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Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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Overview for Request cder_mpl2p_wp011

Request ID: cder_mpl2p_wp011

Query Description: The goal of this query was to investigate the association between leuprolide acetate and fractures, with unexposed children with and without central precocious puberty (CPP) diagnoses as comparators. This is report 1 of 4. This report contains results of the main analysis for female patients. Please see report 2 for the main analysis for male patients and reports 3 and 4 for the sensitivity analyses for female and male patients.

Sentinel Modular Program Tool Used: Cohort Identification and Descriptive Analysis (CIDA) Tool, version 7.0.2, with custom programming

Data Source: Data from January 1, 2000 to August 31, 2018 from 16 Data Partners contributing to the Sentinel Distributed Database (SDD) were included in this report. This request was distributed to Data Partners on April 22, 2019. See Appendix A for a list of dates of available data for each Data Partner.

Study Design: This request was a retrospective cohort study with exposed patients matched to never-exposed patients (defined via exclusions).

Exposure and Comparators: The exposure of interest was leuprolide acetate and there were two comparators of interest: patients with a CPP diagnosis who were not exposed to leuprolide acetate and patients without a CPP diagnosis who were not exposed to leuprolide acetate. Leuprolide acetate was defined using National Drug Codes (NDCs) and Healthcare Common Procedure Coding System (HCPCS) codes. See Appendix B for a list of generic and brand names of medical products and Appendix C for a list of HCPCS codes. CPP comparators were identified using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes for CPP in any care setting. CPP comparators were assigned a new index date of 117 days after their first valid CPP diagnosis. 117 days is the median time from CPP diagnosis to leuprolide acetate initiation among female children¹. Non-CPP comparators were observed using ICD-9-CM, ICD-10-CM, and Current Procedural Terminology, Fourth Edition (CPT-4) codes for a well-child visit in any care setting. See Appendix C for a list of codes used to identify comparators.

Cohort Eligibility Criteria: Female patients included in all cohorts were required to be continuously enrolled in plans with medical and drug coverage for at least 183 days prior to the date of their first valid dispensing or diagnosis, during which gaps in coverage of up to 45 days were allowed. The following age groups were included in the cohorts: 0-2, 3-4, 5-6, 7-8, and 9-10 years. Inclusion and exclusion criteria varied by cohort.

Leuprolide acetate cohort: Patients were required to have evidence of CPP in the 183 days before or on the date of their first valid dispensing and no evidence of other long-acting gonadotropin-releasing hormone (GnRH) agonists, osteogenesis imperfecta, drugs that affect bone density, gender dysphoria, or fractures during that time. To assess incident use, patients were excluded if they had evidence of leuprolide acetate in the prior 183 days.

CPP cohort: Patients were excluded from the CPP comparator cohort if they had evidence of osteogenesis imperfecta, long-acting GnRH agonists, drugs that affect bone density, gender dysphoria, or fractures in the 183 days prior to or on their index date. Additionally, patients were excluded if they had evidence of leuprolide acetate anytime in their available history before, on, or after their index date. To restrict to patients with incident CPP, patients were excluded if they had a diagnosis of CPP in the 183 days before their first valid CPP diagnosis.

Non-CPP cohort: Patients were excluded from the non-CPP comparator cohort if they had evidence of CPP, osteogenesis imperfecta, long-acting GnRH agonists, drugs that affect bone density, gender dysphoria, or fractures in the 183 days prior to or on the date of their first valid well-child visit. Additionally, patients were excluded if they had evidence of leuprolide acetate anytime in their available history before, on, or after the date of their well-child visit.

Inclusion criteria were defined using ICD-9-CM and ICD-10-CM diagnosis codes; see Appendix D for specific diagnosis codes. Exclusion criteria were defined using ICD-9-CM and ICD-10 diagnosis codes, Current Procedural Terminology, Fourth Edition Category II (CPT-2) and HCPCS procedure codes. See Appendix D for diagnosis and procedure codes, and Appendix E for generic and brand names of medical products.

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Exposure Utilization: Summary statistics for utilization of leuprolide acetate were calculated for the patients who were matched with comparators. Exposure duration was calculated as the time from the first dispensing/procedure to the last dispensing/procedure plus a 30-day extension. Cumulative utilization was calculated by summing the total number of leuprolide acetate outpatient pharmacy dispensing or procedure claims during the exposure duration. Multiple claims occurring on the same day were only counted once.

Follow-Up Time: Follow-up time varied by cohort.

Leuprolide acetate cohort: Follow-up began at the first valid leuprolide acetate dispensing and continued until the first of the following: 1) death, 2) end of enrollment, 3) end of Data Partners' data, or 4) an event.

CPP cohort: Follow-up began 117 days after the first valid CPP diagnosis and continued until the first of the following: 1) death, 2) end of enrollment, 3) end of Data Partners' data, or 4) an event.

Non-CPP cohort: Follow-up began at the first valid well-child visit and continued until the first of the following: 1) death, 2) end of enrollment, 3) end of Data Partners' data, 4) an event, or 5) CPP diagnosis.

Only the first valid episode per patient was included. Episodes in the comparisons with major fracture as an outcome were also censored at major trauma. Major trauma was defined as a computed tomography (CT) scan of the head in the inpatient or emergency department setting and two of the following injuries on the same day in those care settings: crushing injury, open fracture of proximal/shaft femur, vertebral fracture, high-trauma E-codes, intracranial injury, internal injury, and injury to nerves and spinal cord. Major trauma was identified using ICD-9-CM and ICD-10-CM diagnosis codes and CPT-2 codes; see Appendix F for a list of codes. Summary statistics of follow-up time were calculated. Unconditional follow-up time for all matched patients was stratified by reason for censoring and categorized into the following intervals: 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, and 12+ years. Patients could have multiple reasons for censoring on the same day. Unconditional follow-up time was also calculated for matched patients and weighted by the number of controls in the risk set.

Sensitivity Analysis: In addition to the episode censoring reasons defined above, episodes in the sensitivity analysis were also censored at initiation of a GnRH agonist. Episodes for exposed patients were censored on the date of a dispensing of a long-acting GnRH agonist other than leuprolide acetate. Episodes for comparator patients were censored on the date of a dispensing of any long-acting GnRH agonist. Long-acting GnRH agonists were defined using HCPCS codes; see Appendix F for a list of HCPCS codes and Appendix G for generic and brand names of medical products. This report includes results of the main analysis. See report 3 for the sensitivity analysis for female patients.

Events of Interest: The events of interest were major fractures, any fracture, hip replacement, and temporomandibular joint replacement. The events could occur in any care setting. Major fractures were defined as a diagnosis and procedure related to the same fracture site within seven days. Fracture sites included humerus, femur, hip, radius/ulna, and vertebrae. The date of the event was the earliest date of the diagnosis or procedure. Fractures of humerus, femur, hip, and vertebrae weren't counted as events if there was evidence of major trauma on the date of the diagnosis. Events were identified using ICD-9-CM and ICD-10-CM diagnosis codes, CPT-4 codes, and International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS) codes. See Appendix H for a list of codes used to define events.

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Patient Characteristics: Age and race were evaluated on the date of the first valid diagnosis or dispensing. The following characteristics were assessed in the 183 days prior to or on the date of cohort entry: long-acting goserelin, long-acting histrelin, long-acting leuprolide (excluding Lupron Depot-Ped), long-acting triptorelin, short-acting gonadorelin, short-acting histrelin, short-acting leuprolide acetate, and short-acting nafarelin. Patient characteristics were also evaluated in the following windows after cohort entry: 1) the 183 days after; 2) the 730 days after; and 3) until the end of follow-up. Patients were not required to be enrolled for the evaluation windows following cohort entry. The characteristics included use of anticoagulants, bisphosphonates, anti-epileptic drugs, corticosteroids, chemotherapy, cyclosporine, medroxyprogesterone, loop diuretics, proton pump inhibitors, thiazide diuretics, statins, nitrates, beta blockers, antidepressants, long-acting goserelin, long-acting histrelin, long-acting leuprolide (excluding Lupron Depot-Ped), long-acting triptorelin, short-acting gonadorelin, short-acting histrelin, short-acting leuprolide acetate, short-acting nafarelin, and short-acting GnRH agonists. The top 50 diagnoses and top 20 prescription medications during each evaluation window were also evaluated. Top diagnoses and prescription medications were defined as the diagnoses and prescription medications recorded for the largest number of exposed patients. All characteristics were assessed overall, stratified by event status, and weighted by the number of controls in the risk set. Patient characteristics were defined using CPT-2 codes and HCPCS codes; see Appendix I for a list of procedure codes and Appendix J for generic and brand names of medical products.

Effect Estimates: Patients in the exposed and comparator cohorts were matched on calendar month of their first valid dispensing or diagnosis and date of birth within 183 days. The matching ratio was 1:n (up to 10). For each comparison, a case-centered logistic regression model was used to estimate hazard ratios and corresponding 95% confidence intervals.

Please see Appendices K and L for the specifications of parameters used in the analyses for this request.

Limitations: 1) As with all observational studies, this evaluation was limited in its ability to control for all sources of potential bias. 2) Exposures, outcomes, inclusions, exclusions, episode censoring criteria, and patient characteristics may be misclassified due to imperfect algorithms used to identify them. Therefore, data should be interpreted with this limitation in mind

Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document.

¹<https://www.sentinelinitiative.org/drugs/assessments/lupron-depot-ped-use-among-patients-central-precocious-puberty>

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**Glossary of Terms for Analyses Using
Cohort Identification and Descriptive Analysis (CIDA) Tool***

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

Blackout Period - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

Ambulatory Visit (AV) - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

Emergency Department (ED) - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

Inpatient Hospital Stay (IP) - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

Non-Acute Institutional Stay (IS) - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

Other Ambulatory Visit (OA) - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

Eligible Members - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled"

Episodes - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings

Episode Gap - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

Event Deduplication - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

Lookback Period - number of days wherein a member is required to have evidence of pre-existing condition

Maximum Episode Duration - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Member-Years - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered.

Minimum Episode Duration - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Monitoring Period - used to define time periods of interest for both sequential analysis and simple cohort characterization

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest.

Treatment Episode Truncation Indicator - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

Washout Period (drug/exposure) - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

Washout Period (event/outcome) - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

*all terms may not be used in this report

**Glossary of Terms for Analyses Using
Multiple Factor Matching (MFM) Tool***

Individual Level Data Return - program may return individual-level, de-identified datasets to the Sentinel Operations Center (SOC). While the datasets contain a single row per patient for each specified analysis, patient identifiers such as a patient ID are not included in the output. Individual-level datasets are returned to the SOC, aggregated, and used to calculate effect estimates via Cox

Matched Conditional and Unconditional Analysis - in a conditional matched analysis, a Cox proportional hazards model, stratified by Data Partner site and matched set, is run on the matched population. This can be done for both the 1:1 and 1:n matched cohorts. In an unconditional analysis, a Cox proportional hazards model, stratified by Data Partner site only, is run on the matched population. This can be done for the 1:1 matched cohort only.

Matching Ratio - patients in exposed and comparator groups are matched by a 1:1 or 1:n (up to 10) matching ratio.

Matching Variables - requester defined categorical variables to match groups on.

1. Age group
2. Sex
3. Year of index date

MFM Tool - uses output from the CIDA tool to find an exact match between an exposure and comparator cohort based on predefined options. The MFM tool performs effect estimation by comparing exposure exact matched parallel new user cohorts or comparing a new user cohort to a never-exposed cohort. It calculates hazard ratios, incidence rate differences and 95% confidence intervals.

Risk-set Level Data Return - alternative to the patient-level data return approach. In this approach, the MFM tool will produce de-identified, risk-set level datasets instead of or in addition to individual-level output. Whereas each observation in the patient-level datasets represents one patient in the cohort, each observation in the risk set dataset represents one event. Risk sets are created at the Data Partner site, returned to the SOC, aggregated, and used to calculate effect estimates via case-centered logistic regression.

Subgroup Analysis - may be conducted using any requester-defined covariates. Subgroup analyses may be performed in the unmatched and the matched population.

*all terms may not be used in this report

Table 1. Summary of Cohort Attrition for Female Leuprolide Acetate Exposed Patients and Central Precocious Puberty (CPP) and Non-CPP Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018¹

| Attrition Step | Remaining (Number) | Percent Remaining |
|--|-----------------------|-------------------|
| Eligible Leuprolide Acetate Exposed Children | | |
| All enrollees during query period | 256,590,435 | 100.00% |
| Age <11 at any time during query period | 55,212,202 | 21.52% |
| Any leuprolide acetate exposure before age 11 | 6,666 | .00% |
| A leuprolide acetate exposure preceded by a 183-day washout period | 4,375 | .00% |
| No evidence of osteogenesis imperfecta, long-acting Gonadotropin-Releasing Hormone (GnRH) agonists, fractures, gender dysphoria, or drugs that affect bone density during the 183-day baseline period | 3,150 | .00% |
| Diagnosis of CPP during the 183-day baseline period | 3,016 | .00% |
| Eligible Non-CPP Controls | | |
| All enrollees during query period | 256,590,435 | 100.00% |
| Age <11 at any time during query period | 55,212,202 | 21.52% |
| Any well visit before age 11 | 9,477,878 | 3.69% |
| A well visit preceded by a 183-day washout period | 7,295,801 | 2.84% |
| No evidence of leuprolide acetate exposure, CPP, osteogenesis imperfecta, long-acting GnRH agonists, fractures, gender dysphoria, or drugs that affect bone density during the 183-day baseline period | 6,925,684 | 2.70% |
| Eligible CPP controls | | |
| All enrollees during query period | 256,590,435 | 100.00% |
| Age <11 at any time during query period | 55,212,202 | 21.52% |
| Any CPP diagnosis before age 11 | 119,539 | .05% |
| A CPP diagnosis preceded by a 183-day washout period | 85,746 | .03% |
| No evidence of leuprolide acetate exposure, osteogenesis imperfecta, long-acting GnRH agonists, fractures, gender dysphoria, or drugs that affect bone density during the 183-day baseline period | 69,629 | .03% |

¹These tables only include select attrition steps

Table 2. Summary of Leuprolide Acetate Exposure Duration and Dispensings among Female Leuprolide Acetate-Exposed Patients Matched with Central Precocious Puberty (CPP) and Non-CPP Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018

| | Number of Patients | Mean | Minimum | Maximum | 5% | 10% | 25% | Median | 75% | 90% | 95% | 99% |
|---|--------------------|------|---------|---------|----|-----|-----|--------|-----|-----|-------|-------|
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls, Major Fracture | | | | | | | | | | | | |
| Cumulative Leuprolide Acetate Exposure Duration (days) | 3,016 | 337 | 1 | 3,749 | 31 | 31 | 31 | 192.5 | 535 | 880 | 1,120 | 1,600 |
| Cumulative Leuprolide Acetate Utilization ¹ | 3,016 | 8 | 1 | 123 | 1 | 1 | 1 | 3 | 10 | 21 | 31 | 51 |
| Leuprolide Acetate Exposed Children Matched with CPP Controls, Major Fracture | | | | | | | | | | | | |
| Cumulative Leuprolide Acetate Exposure Duration (days) | 3,007 | 337 | 1 | 3,749 | 31 | 31 | 31 | 193 | 535 | 878 | 1,118 | 1,600 |
| Cumulative Leuprolide Acetate Utilization ¹ | 3,007 | 8 | 1 | 123 | 1 | 1 | 1 | 3 | 10 | 21 | 31 | 51 |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls, Any Fracture | | | | | | | | | | | | |
| Cumulative Leuprolide Acetate Exposure Duration (days) | 3,016 | 337 | 1 | 3,749 | 31 | 31 | 31 | 192.5 | 535 | 880 | 1,120 | 1,600 |
| Cumulative Leuprolide Acetate Utilization ¹ | 3,016 | 8 | 1 | 123 | 1 | 1 | 1 | 3 | 10 | 21 | 31 | 51 |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls, Hip Replacement | | | | | | | | | | | | |
| Cumulative Leuprolide Acetate Exposure Duration (days) | 3,016 | 337 | 1 | 3,749 | 31 | 31 | 31 | 192.5 | 535 | 880 | 1,120 | 1,600 |
| Cumulative Leuprolide Acetate Utilization ¹ | 3,016 | 8 | 1 | 123 | 1 | 1 | 1 | 3 | 10 | 21 | 31 | 51 |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls, Temporomandibular Joint Replacement | | | | | | | | | | | | |
| Cumulative Leuprolide Acetate Exposure Duration (days) | 3,016 | 337 | 1 | 3,749 | 31 | 31 | 31 | 192.5 | 535 | 880 | 1,120 | 1,600 |
| Cumulative Leuprolide Acetate Utilization ¹ | 3,016 | 8 | 1 | 123 | 1 | 1 | 1 | 3 | 10 | 21 | 31 | 51 |

¹This is a measure of separate-day dispensings or procedures

Table 3. Summary of Follow-Up Time (Days) for Female Leuprolide Acetate Exposed Patients and their Matched Central Precocious Puberty (CPP) and Non-CPP Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018

| | Number of Patients | Mean | Minimum | Maximum | 5% | 10% | 25% | Median | 75% | 90% | 95% | 99% |
|---|--------------------|-------|---------|---------|----|-----|-----|--------|-------|-------|-------|-------|
| Major Fracture | | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 1,050 | 1 | 6,288 | 52 | 103 | 297 | 717 | 1,453 | 2,537 | 3,270 | 4,643 |
| Matched Non-CPP Controls | 30,160 | 1,081 | 1 | 6,561 | 41 | 85 | 250 | 631 | 1,428 | 2,806 | 3,758 | 5,762 |
| Leuprolide Acetate Exposed Children Matched with CPP Controls | 3,007 | 1,050 | 1 | 6,288 | 52 | 104 | 298 | 717 | 1,453 | 2,537 | 3,270 | 4,643 |
| Matched CPP Controls | 28,143 | 1,062 | 1 | 6,423 | 48 | 98 | 286 | 724 | 1,480 | 2,540 | 3,230 | 4,972 |
| Any Fracture | | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 994 | 1 | 6,288 | 51 | 99 | 280 | 681.5 | 1,374 | 2,370 | 3,097 | 4,456 |
| Matched Non-CPP Controls | 30,160 | 1,017 | 1 | 6,561 | 40 | 82 | 239 | 599 | 1,322 | 2,584 | 3,544 | 5,645 |
| Hip Replacement | | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 1,074 | 1 | 6,288 | 53 | 108 | 308 | 736.5 | 1,497 | 2,586 | 3,335 | 4,643 |
| Matched Non-CPP Controls | 30,160 | 1,118 | 1 | 6,561 | 42 | 88 | 260 | 654 | 1,490 | 2,917 | 3,867 | 5,810 |
| Temporomandibular Joint Replacement | | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 1,074 | 1 | 6,288 | 53 | 108 | 308 | 736.5 | 1,497 | 2,586 | 3,335 | 4,643 |
| Matched Non-CPP Controls | 30,160 | 1,118 | 1 | 6,561 | 42 | 88 | 260 | 654 | 1,490 | 2,917 | 3,866 | 5,808 |

Table 4a. Summary of Events and Censoring for Female Leuprolide Acetate Exposed Patients and their Matched Central Precocious Puberty (CPP) and Non-CPP Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, Primary Outcome

| Number of Patients | Duration of Follow-up (years) ¹ | | | | | | | |
|--|--|--------------|-------------|-------------|------------|------------|----------|----------|
| | 0-<2 | 2-<4 | 4-<6 | 6-<8 | 8-<10 | 10-<12 | ≥12 | |
| Major Fracture | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | | | | | | |
| Event of interest | 68 | 44 (1%) | 14 (0%) | 8 (0%) | 1 (0%) | 1 (0%) | 0 (0%) | 0 (0%) |
| Other censoring criteria | 4 | 0 (0%) | 2 (0%) | 1 (0%) | 0 (0%) | 1 (0%) | 0 (0%) | 0 (0%) |
| Disenrollment | 2,775 | 1,432 (47%) | 682 (23%) | 314 (10%) | 159 (5%) | 101 (3%) | 46 (2%) | 41 (1%) |
| Death | 1 | 1 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| End of data period | 1,296 | 510 (17%) | 333 (11%) | 183 (6%) | 112 (4%) | 79 (3%) | 46 (2%) | 33 (1%) |
| Matched Non-CPP Controls | | | | | | | | |
| Event of interest | 883 | 563 (2%) | 211 (1%) | 67 (0%) | 25 (0%) | 8 (0%) | 3 (0%) | 6 (0%) |
| Other censoring criteria | 374 | 273 (1%) | 49 (0%) | 28 (0%) | 6 (0%) | 8 (0%) | 7 (0%) | 3 (0%) |
| Disenrollment | 27,906 | 15,340 (51%) | 5,844 (19%) | 2,707 (9%) | 1,530 (5%) | 1,109 (4%) | 572 (2%) | 804 (3%) |
| Death | 4 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 1 (0%) | 2 (0%) |
| End of data period | 8,958 | 3,570 (12%) | 1,814 (6%) | 1,029 (3%) | 760 (3%) | 737 (2%) | 400 (1%) | 648 (2%) |
| Leuprolide Acetate Exposed Children Matched with CPP Controls | | | | | | | | |
| Event of interest | 68 | 44 (1%) | 14 (0%) | 8 (0%) | 1 (0%) | 1 (0%) | 0 (0%) | 0 (0%) |
| Other censoring criteria | 4 | 0 (0%) | 2 (0%) | 1 (0%) | 0 (0%) | 1 (0%) | 0 (0%) | 0 (0%) |
| Disenrollment | 2,766 | 1,428 (47%) | 680 (23%) | 313 (10%) | 157 (5%) | 101 (3%) | 46 (2%) | 41 (1%) |
| Death | 1 | 1 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| End of data period | 1,294 | 509 (17%) | 332 (11%) | 183 (6%) | 112 (4%) | 79 (3%) | 46 (2%) | 33 (1%) |
| Matched CPP Controls | | | | | | | | |
| Event of interest | 796 | 522 (2%) | 191 (1%) | 58 (0%) | 18 (0%) | 5 (0%) | 1 (0%) | 1 (0%) |
| Other censoring criteria | 41 | 11 (0%) | 4 (0%) | 9 (0%) | 8 (0%) | 4 (0%) | 3 (0%) | 2 (0%) |
| Disenrollment | 26,342 | 13,361 (47%) | 6,422 (23%) | 3,129 (11%) | 1,691 (6%) | 979 (3%) | 371 (1%) | 389 (1%) |
| Death | 6 | 3 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 0 (0%) | 2 (0%) | 0 (0%) |
| End of data period | 11,311 | 3,876 (14%) | 2,986 (11%) | 1,741 (6%) | 1,207 (4%) | 831 (3%) | 324 (1%) | 346 (1%) |

¹Percentages are calculated based on the size of the cohort

Table 4b. Summary of Events and Censoring for Female Leuprolide Acetate Exposed Patients and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, Secondary Outcomes

| | Number of Patients | Duration of Follow-up (years) ¹ | | | | | | |
|--|--------------------|--|-------------|-------------|------------|------------|----------|----------|
| | | 0-<2 | 2-<4 | 4-<6 | 6-<8 | 8-<10 | 10-<12 | ≥12 |
| Any Fracture | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | | | | | | |
| Event of interest | 228 | 130 (4%) | 61 (2%) | 25 (1%) | 6 (0%) | 5 (0%) | 1 (0%) | 0 (0%) |
| Other censoring criteria | 0 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Disenrollment | 2,629 | 1,408 (47%) | 634 (21%) | 286 (9%) | 142 (5%) | 88 (3%) | 35 (1%) | 36 (1%) |
| Death | 1 | 1 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| End of data period | 1,210 | 498 (17%) | 305 (10%) | 169 (6%) | 103 (3%) | 70 (2%) | 36 (1%) | 29 (1%) |
| Matched Non-CPP Controls | | | | | | | | |
| Event of interest | 2,496 | 1,361 (5%) | 641 (2%) | 268 (1%) | 123 (0%) | 50 (0%) | 33 (0%) | 20 (0%) |
| Other censoring criteria | 314 | 251 (1%) | 40 (0%) | 19 (0%) | 3 (0%) | 0 (0%) | 1 (0%) | 0 (0%) |
| Disenrollment | 26,432 | 15,103 (50%) | 5,508 (18%) | 2,417 (8%) | 1,339 (4%) | 924 (3%) | 471 (2%) | 670 (2%) |
| Death | 3 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 0 (0%) | 2 (0%) |
| End of data period | 8,257 | 3,509 (12%) | 1,709 (6%) | 897 (3%) | 669 (2%) | 610 (2%) | 326 (1%) | 537 (2%) |
| Hip Replacement | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | | | | | | |
| Event of interest | 0 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Other censoring criteria | 0 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Disenrollment | 2,841 | 1,446 (48%) | 696 (23%) | 335 (11%) | 165 (5%) | 108 (4%) | 48 (2%) | 43 (1%) |
| Death | 1 | 1 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| End of data period | 1,339 | 516 (17%) | 343 (11%) | 194 (6%) | 116 (4%) | 86 (3%) | 48 (2%) | 36 (1%) |
| Matched Non-CPP Controls | | | | | | | | |
| Event of interest | 2 | 1 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 0 (0%) | 0 (0%) |
| Other censoring criteria | 327 | 259 (1%) | 45 (0%) | 19 (0%) | 3 (0%) | 0 (0%) | 1 (0%) | 0 (0%) |
| Disenrollment | 28,801 | 15,535 (52%) | 6,055 (20%) | 2,878 (10%) | 1,637 (5%) | 1,202 (4%) | 622 (2%) | 872 (3%) |
| Death | 5 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 1 (0%) | 3 (0%) |
| End of data period | 9,321 | 3,623 (12%) | 1,870 (6%) | 1,091 (4%) | 814 (3%) | 796 (3%) | 428 (1%) | 699 (2%) |

Table 4b. Summary of Events and Censoring for Female Leuprolide Acetate Exposed Patients and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, Secondary Outcomes

| | Number of Patients | Duration of Follow-up (years) ¹ | | | | | | |
|--|--------------------|--|-------------|-------------|------------|------------|----------|----------|
| | | 0-<2 | 2-<4 | 4-<6 | 6-<8 | 8-<10 | 10-<12 | ≥12 |
| Temporomandibular Joint Replacement | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | | | | | | |
| Event of interest | 0 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Other censoring criteria | 0 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Disenrollment | 2,841 | 1,446 (48%) | 696 (23%) | 335 (11%) | 165 (5%) | 108 (4%) | 48 (2%) | 43 (1%) |
| Death | 1 | 1 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| End of data period | 1,339 | 516 (17%) | 343 (11%) | 194 (6%) | 116 (4%) | 86 (3%) | 48 (2%) | 36 (1%) |
| Matched Non-CPP Controls | | | | | | | | |
| Event of interest | 1 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 0 (0%) | 0 (0%) |
| Other censoring criteria | 327 | 259 (1%) | 45 (0%) | 19 (0%) | 3 (0%) | 0 (0%) | 1 (0%) | 0 (0%) |
| Disenrollment | 28,802 | 15,535 (52%) | 6,055 (20%) | 2,878 (10%) | 1,637 (5%) | 1,204 (4%) | 622 (2%) | 871 (3%) |
| Death | 5 | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0%) | 1 (0%) | 3 (0%) |
| End of data period | 9,320 | 3,623 (12%) | 1,870 (6%) | 1,091 (4%) | 814 (3%) | 796 (3%) | 428 (1%) | 698 (2%) |

¹Percentages are calculated based on the size of the cohort

Table 5a. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 68 (100.0%) | 2,948 (100.0%) | 3,016 (100.0%) | 88 (100.0%) | 2,928 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.5 (992.7) | 704.1 (613.1) | 1,057.5 (998.5) | 1,081.0 (1150.5) | 728.2 (692.8) | 1,091.7 (1158.8) | -0.029 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.1 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.8%) | 82 (2.7%) | 2 (1.9%) | 80 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 1 (1.5%) | 104 (3.5%) | 105 (3.5%) | 4 (4.6%) | 101 (3.4%) | 0 |
| 5-6 | 391 (13.0%) | 14 (20.6%) | 377 (12.8%) | 390 (12.9%) | 9 (10.6%) | 381 (13.0%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 40 (58.8%) | 1,526 (51.8%) | 1,566 (51.9%) | 45 (51.0%) | 1,521 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 13 (19.1%) | 859 (29.1%) | 873 (28.9%) | 28 (31.8%) | 845 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.2%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 1 (1.5%) | 118 (4.0%) | 70 (2.3%) | 1 (1.2%) | 69 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 2 (2.9%) | 168 (5.7%) | 111 (3.7%) | 2 (2.4%) | 109 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 1 (1.5%) | 21 (0.7%) | 17 (0.6%) | 1 (0.6%) | 16 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 53 (77.9%) | 2,318 (78.6%) | 2,417 (80.1%) | 65 (73.8%) | 2,352 (80.3%) | -0.049 |
| White | 327 (10.8%) | 11 (16.2%) | 316 (10.7%) | 393 (13.0%) | 19 (21.7%) | 374 (12.8%) | -0.077 |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 5a. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Short-acting leuprolide acetate | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 74.8% | 80.7% | 74.7% | 0.0% | 0.0% | 0.0% | - |
| Routine Infant Or Child Health Check | 29.5% | 31.6% | 29.5% | 74.1% | 85.0% | 73.7% | -1.009 |
| Precocious Puberty | 25.8% | 19.3% | 26.0% | 0.0% | 0.0% | 0.0% | - |
| Need Prophylactic Vaccination&inoculation Flu | 12.4% | 14.0% | 12.4% | 13.1% | 14.1% | 13.1% | -0.021 |
| Acute Pharyngitis | 10.3% | 10.5% | 10.3% | 9.8% | 13.9% | 9.7% | 0.017 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 9.1% | 5.3% | 9.2% | 19.7% | 9.1% | 20.0% | -0.312 |
| Encounter For Immunization | 7.2% | 1.8% | 7.3% | 8.7% | 3.1% | 8.8% | -0.054 |
| Other Unknown&unspec Cause Morbidity/Mortality | 6.9% | 7.0% | 6.9% | 5.2% | 6.3% | 5.2% | 0.079 |
| Acute Uris Of Unspecified Site | 6.7% | 7.0% | 6.7% | 6.6% | 8.6% | 6.5% | 0.006 |
| Other Disorders Of Puberty | 6.5% | 3.5% | 6.5% | 0.0% | 0.0% | 0.0% | - |
| Short Stature | 6.1% | 1.8% | 6.2% | 0.2% | 0.1% | 0.2% | 0.349 |
| Cough | 4.3% | 1.8% | 4.4% | 3.1% | 3.8% | 3.0% | 0.066 |
| Streptococcal Sore Throat | 4.3% | 7.0% | 4.2% | 4.0% | 5.2% | 3.9% | 0.015 |
| Other Adrenocortical Overactivity | 4.2% | 0.0% | 4.3% | 0.0% | 0.0% | 0.0% | 0.294 |
| Abnormal Weight Gain | 4.1% | 1.8% | 4.1% | 0.2% | 0.0% | 0.2% | 0.267 |

Table 5a. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Unspecified Otitis Media | 4.0% | 1.8% | 4.0% | 3.5% | 3.8% | 3.5% | 0.027 |
| Dietary Counseling And Surveillance | 3.3% | 3.5% | 3.3% | 2.1% | 0.3% | 2.1% | 0.079 |
| Other Hyperfunction Of Pituitary Gland | 3.2% | 0.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Obesity, Unspecified | 3.1% | 8.8% | 3.0% | 0.9% | 0.8% | 0.9% | 0.165 |
| Allergic Rhinitis Cause Unspecified | 3.1% | 1.8% | 3.1% | 2.4% | 4.8% | 2.3% | 0.04 |
| Fever Unspecified | 2.9% | 1.8% | 3.0% | 2.0% | 2.2% | 2.0% | 0.062 |
| Acute Pharyngitis Unspecified | 2.8% | 0.0% | 2.9% | 2.3% | 1.6% | 2.4% | 0.031 |
| Examination Of Eyes And Vision | 2.8% | 3.5% | 2.8% | 3.7% | 4.5% | 3.6% | -0.051 |
| Unspecified Viral Infection In Cce & Uns Site | 2.8% | 1.8% | 2.8% | 2.5% | 3.1% | 2.5% | 0.019 |
| Dietary Surveillance And Counseling | 2.7% | 3.5% | 2.7% | 5.1% | 5.6% | 5.1% | -0.175 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 2.7% | 1.8% | 2.7% | 2.9% | 1.0% | 3.0% | -0.013 |
| Lack Normal Physiological Development Unspec | 2.6% | 1.8% | 2.6% | 0.1% | 0.0% | 0.1% | 0.218 |
| Exercise Counseling | 2.6% | 3.5% | 2.6% | 2.3% | 2.2% | 2.3% | 0.018 |
| Abdominal Pain, Unspecified Site | 2.6% | 3.5% | 2.6% | 1.8% | 2.2% | 1.8% | 0.054 |
| Acute Sinusitis, Unspecified | 2.6% | 1.8% | 2.6% | 1.6% | 3.1% | 1.5% | 0.07 |
| Add Of Childhood With Hyperactivity | 2.5% | 3.5% | 2.5% | 1.4% | 1.1% | 1.4% | 0.084 |
| Headache | 2.5% | 8.8% | 2.4% | 1.3% | 2.7% | 1.2% | 0.09 |
| Other Specified Counseling | 2.5% | 3.5% | 2.5% | 1.2% | 0.0% | 1.2% | 0.106 |

Table 5a. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Urinary Tract Infection Site Not Specified | 2.3% | 3.5% | 2.3% | 1.8% | 2.6% | 1.8% | 0.033 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.3% | 0.0% | 2.3% | 5.2% | 6.4% | 5.2% | -0.157 |
| Other Specified Counseling | 2.2% | 1.8% | 2.2% | 3.2% | 3.3% | 3.2% | -0.076 |
| Acute Upper Respiratory Infection Unspecified | 2.0% | 0.0% | 2.0% | 1.7% | 1.1% | 1.7% | 0.023 |
| Puberty | 2.0% | 5.3% | 1.9% | 0.0% | 0.0% | 0.0% | 0.199 |
| Short Stature Child | 1.9% | 1.8% | 1.9% | 0.1% | 0.0% | 0.1% | 0.186 |
| Need Proph Vacc&inoculat Against Varicella | 1.9% | 1.8% | 1.9% | 4.2% | 4.8% | 4.2% | -0.138 |
| Unspecified Constipation | 1.8% | 0.0% | 1.9% | 0.9% | 1.1% | 0.9% | 0.075 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 1.7% | 1.8% | 1.7% | 1.6% | 3.1% | 1.6% | 0.01 |
| Oth Symptoms Concerning Nutrition Metab&dvlp | 1.7% | 7.0% | 1.6% | 0.0% | 0.0% | 0.0% | 0.186 |
| Hypermetropia | 1.7% | 5.3% | 1.6% | 1.0% | 1.2% | 1.0% | 0.058 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.7% | 1.0% | 0.7% | 1.1% | 0.053 |
| Dysuria | 1.6% | 0.0% | 1.7% | 0.9% | 1.2% | 0.9% | 0.063 |
| Unspecified Vaginitis And Vulvovaginitis | 1.6% | 1.8% | 1.6% | 0.5% | 1.0% | 0.4% | 0.115 |
| Laboratory Examination Unspecified | 1.6% | 0.0% | 1.7% | 0.1% | 0.0% | 0.1% | 0.161 |
| Other Acne | 1.5% | 3.5% | 1.4% | 0.1% | 0.1% | 0.1% | 0.157 |
| Myopia | 1.4% | 1.8% | 1.4% | 1.0% | 0.8% | 1.0% | 0.043 |

Table 5a. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 7.6% | 5.3% | 7.7% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 5.3% | 8.8% | 5.2% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 4.6% | 3.5% | 4.6% | 3.5% | 2.9% | 3.6% | 0.054 |
| Leuprolide Acetate | 3.3% | 1.8% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.1% | 3.5% | 3.1% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.0% | 5.3% | 2.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.9% | 8.8% | 2.8% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 2.4% | 1.8% | 2.4% | 0.0% | 0.0% | 0.0% | 0.219 |
| Leuprolide Acetate | 2.4% | 5.3% | 2.3% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 2.1% | 3.5% | 2.1% | 1.8% | 1.4% | 1.8% | 0.022 |
| Azithromycin | 1.6% | 0.0% | 1.6% | 0.8% | 0.3% | 0.8% | 0.068 |
| Azithromycin | 1.4% | 1.8% | 1.4% | 0.7% | 0.7% | 0.7% | 0.074 |
| Ciprofloxacin | 1.3% | 0.0% | 1.4% | 0.6% | 1.0% | 0.6% | 0.072 |
| Hcl/Dexamethasone | | | | | | | |
| Lidocaine/Prilocaine | 1.2% | 1.8% | 1.2% | 0.0% | 0.0% | 0.0% | 0.154 |
| Cephalexin | 1.1% | 0.0% | 1.1% | 1.0% | 1.4% | 1.0% | 0.011 |
| Amoxicillin | 1.1% | 1.8% | 1.1% | 0.9% | 1.4% | 0.8% | 0.024 |
| Albuterol Sulfate | 0.8% | 0.0% | 0.9% | 0.5% | 0.5% | 0.5% | 0.041 |
| Cefdinir | 0.7% | 0.0% | 0.7% | 0.3% | 0.3% | 0.3% | 0.052 |
| Albuterol Sulfate | 0.6% | 0.0% | 0.6% | 0.2% | 0.1% | 0.2% | 0.065 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 5b. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | | | | Weighted SMD (all) |
|---|--|---------------|-----------------|----------------------|---------------|------------------|--------------------|
| | Controls | | | Matched CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,007 (100.0%) | 68 (100.0%) | 2,939 (100.0%) | 3,007 (100.0%) | 85 (100.0%) | 2,922 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.6 (992.6) | 704.1 (613.1) | 1,057.6 (998.5) | 1,085.3 (1026.9) | 670.8 (610.8) | 1,097.3 (1033.0) | -0.035 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 81 (2.7%) | 0 (0.0%) | 81 (2.8%) | 84 (2.8%) | 2 (2.4%) | 81 (2.8%) | -0.005 |
| 3-4 | 104 (3.5%) | 1 (1.5%) | 103 (3.5%) | 101 (3.4%) | 4 (4.4%) | 97 (3.3%) | 0.006 |
| 5-6 | 387 (12.9%) | 14 (20.6%) | 373 (12.7%) | 391 (13.0%) | 11 (13.4%) | 380 (13.0%) | -0.004 |
| 7-8 | 1,564 (52.0%) | 40 (58.8%) | 1,524 (51.9%) | 1,558 (51.8%) | 45 (53.2%) | 1,513 (51.8%) | 0.004 |
| 9-10 | 871 (29.0%) | 13 (19.1%) | 858 (29.2%) | 874 (29.1%) | 23 (26.7%) | 851 (29.1%) | -0.002 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 9 (0.3%) | 0 (0.1%) | 9 (0.3%) | -0.015 |
| Asian | 117 (3.9%) | 1 (1.5%) | 116 (3.9%) | 65 (2.2%) | 2 (2.7%) | 63 (2.2%) | 0.11 |
| Black or African American | 169 (5.6%) | 2 (2.9%) | 167 (5.7%) | 184 (6.1%) | 3 (3.7%) | 181 (6.2%) | -0.024 |
| Native Hawaiian or Other Pacific Islander | 21 (0.7%) | 1 (1.5%) | 20 (0.7%) | 17 (0.6%) | 0 (0.4%) | 17 (0.6%) | 0.02 |
| Unknown | 2,370 (78.8%) | 53 (77.9%) | 2,317 (78.8%) | 2,347 (78.0%) | 62 (73.5%) | 2,284 (78.2%) | 0.025 |
| White | 323 (10.7%) | 11 (16.2%) | 312 (10.6%) | 384 (12.8%) | 17 (19.7%) | 367 (12.6%) | -0.071 |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.098 |
| Short-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 5b. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | Matched CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Short-acting leuprolide acetate | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 74.9% | 80.7% | 74.7% | 81.1% | 92.0% | 80.7% | -0.151 |
| Routine Infant Or Child Health Check | 29.5% | 31.6% | 29.5% | 38.0% | 40.8% | 37.9% | -0.181 |
| Precocious Puberty | 25.8% | 19.3% | 25.9% | 14.8% | 6.6% | 15.0% | 0.278 |
| Need Prophylactic Vaccination&inoculation Flu | 12.3% | 14.0% | 12.3% | 13.4% | 13.5% | 13.4% | -0.032 |
| Acute Pharyngitis | 10.4% | 10.5% | 10.4% | 11.6% | 15.5% | 11.4% | -0.038 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 9.1% | 5.3% | 9.2% | 8.1% | 4.3% | 8.2% | 0.035 |
| Encounter For Immunization | 7.1% | 1.8% | 7.2% | 6.0% | 3.3% | 6.1% | 0.043 |
| Other Unknown&unspec Cause Morbidity/Mortality | 6.9% | 7.0% | 6.9% | 5.8% | 5.1% | 5.8% | 0.053 |
| Acute Uris Of Unspecified Site | 6.7% | 7.0% | 6.7% | 7.1% | 10.8% | 7.0% | -0.017 |
| Other Disorders Of Puberty | 6.5% | 3.5% | 6.5% | 5.6% | 1.9% | 5.8% | 0.035 |
| Short Stature | 6.2% | 1.8% | 6.3% | 2.8% | 1.8% | 2.8% | 0.162 |
| Cough | 4.3% | 0.0% | 4.4% | 3.7% | 6.2% | 3.6% | 0.031 |
| Streptococcal Sore Throat | 4.2% | 7.0% | 4.2% | 4.4% | 4.6% | 4.4% | -0.007 |
| Other Adrenocortical Overactivity | 4.1% | 0.0% | 4.2% | 2.4% | 2.4% | 2.4% | 0.095 |
| Abnormal Weight Gain | 4.1% | 1.8% | 4.1% | 2.1% | 4.1% | 2.1% | 0.114 |

Table 5b. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Unspecified Otitis Media | 3.9% | 1.8% | 4.0% | 3.7% | 6.7% | 3.6% | 0.012 |
| Dietary Counseling And Surveillance | 3.2% | 3.5% | 3.2% | 1.7% | 2.5% | 1.6% | 0.107 |
| Other Hyperfunction Of Pituitary Gland | 3.2% | 0.0% | 3.3% | 0.4% | 0.0% | 0.4% | 0.216 |
| Obesity, Unspecified | 3.1% | 8.8% | 3.0% | 2.5% | 4.3% | 2.5% | 0.035 |
| Allergic Rhinitis Cause Unspecified | 3.0% | 1.8% | 3.1% | 2.8% | 2.5% | 2.8% | 0.013 |
| Fever Unspecified | 3.0% | 1.8% | 3.0% | 3.1% | 4.0% | 3.1% | -0.011 |
| Acute Pharyngitis Unspecified | 2.8% | 0.0% | 2.9% | 2.5% | 1.0% | 2.5% | 0.021 |
| Unspecified Viral Infection In Cce & Uns Site | 2.8% | 1.8% | 2.8% | 2.9% | 4.0% | 2.9% | -0.006 |
| Unspecified Viral Infection In Cce & Uns Site | 2.8% | 3.5% | 2.8% | 2.9% | 3.5% | 2.9% | -0.009 |
| Dietary Surveillance And Counseling | 2.8% | 3.5% | 2.7% | 3.8% | 3.8% | 3.8% | -0.071 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 2.7% | 1.8% | 2.7% | 3.2% | 1.4% | 3.2% | -0.027 |
| Lack Normal Physiological Development Unspec | 2.6% | 1.8% | 2.7% | 1.0% | 1.3% | 1.0% | 0.119 |
| Abdominal Pain, Unspecified Site | 2.6% | 3.5% | 2.6% | 2.8% | 4.2% | 2.8% | -0.015 |
| Acute Sinusitis, Unspecified | 2.6% | 1.8% | 2.6% | 2.0% | 3.0% | 2.0% | 0.038 |
| Exercise Counseling | 2.5% | 3.5% | 2.5% | 2.7% | 2.6% | 2.8% | -0.014 |
| Add Of Childhood With Hyperactivity | 2.5% | 3.5% | 2.5% | 1.8% | 2.6% | 1.8% | 0.052 |
| Headache | 2.5% | 8.8% | 2.4% | 1.8% | 2.8% | 1.7% | 0.051 |

Table 5b. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Other Specified Counseling | 2.4% | 3.5% | 2.4% | 1.1% | 2.3% | 1.1% | 0.113 |
| Urinary Tract Infection Site Not Specified | 2.4% | 3.5% | 2.4% | 2.5% | 3.0% | 2.5% | -0.007 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.2% | 1.8% | 2.2% | 2.7% | 2.8% | 2.7% | -0.036 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.2% | 0.0% | 2.3% | 2.6% | 2.8% | 2.6% | -0.025 |
| Acute Upper Respiratory Infection Unspecified | 2.0% | 0.0% | 2.1% | 1.9% | 2.7% | 1.9% | 0.008 |
| Acute Upper Respiratory Infection Unspecified | 2.0% | 0.0% | 2.0% | 1.6% | 0.6% | 1.7% | 0.027 |
| Puberty | 1.9% | 5.3% | 1.9% | 1.0% | 1.0% | 1.0% | 0.079 |
| Need Proph Vacc&inoculat Against Varicella | 1.9% | 1.8% | 1.9% | 0.6% | 0.4% | 0.6% | 0.116 |
| Need Proph Vacc&inoculat Against Varicella | 1.8% | 1.8% | 1.8% | 1.8% | 2.0% | 1.8% | 0.001 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 1.7% | 5.3% | 1.7% | 1.5% | 1.3% | 1.5% | 0.02 |
| Oth Symptoms Concerning Nutrition Metab&dvlp | 1.7% | 1.8% | 1.7% | 1.7% | 3.4% | 1.7% | -0.005 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.7% | 1.3% | 1.6% | 1.3% | 0.033 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 7.0% | 1.5% | 0.8% | 1.1% | 0.8% | 0.077 |

Table 5b. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Unspecified Vaginitis And Vulvovaginitis | 1.6% | 1.8% | 1.6% | 1.4% | 2.1% | 1.3% | 0.021 |
| Laboratory Examination Unspecified | 1.6% | 0.0% | 1.7% | 0.7% | 1.0% | 0.7% | 0.089 |
| Acute Suppurative Otitis Media W/O Spontaneous Rupture of Eardrum | 1.5% | 0.0% | 1.5% | 1.5% | 2.8% | 1.4% | 0.003 |
| Other Acne | 1.5% | 3.5% | 1.4% | 0.8% | 0.7% | 0.8% | 0.071 |
| Myopia | 1.5% | 1.8% | 1.4% | 1.3% | 1.5% | 1.3% | 0.013 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 7.6% | 5.3% | 7.7% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 5.3% | 8.8% | 5.2% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 4.6% | 3.5% | 4.6% | 4.2% | 4.7% | 4.2% | 0.019 |
| Leuprolide Acetate | 3.2% | 1.8% | 3.2% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.1% | 3.5% | 3.1% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.1% | 5.3% | 3.1% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.0% | 8.8% | 2.8% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.5% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.4% | 5.3% | 2.3% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 2.3% | 1.8% | 2.4% | 0.3% | 0.6% | 0.3% | 0.184 |
| Amoxicillin | 2.2% | 3.5% | 2.2% | 1.7% | 4.1% | 1.7% | 0.034 |
| Azithromycin | 1.6% | 0.0% | 1.6% | 1.1% | 0.5% | 1.2% | 0.037 |
| Azithromycin | 1.4% | 1.8% | 1.4% | 0.8% | 1.4% | 0.8% | 0.056 |
| Ciprofloxacin | 1.3% | 0.0% | 1.4% | 0.8% | 1.6% | 0.8% | 0.052 |
| Hcl/Dexamethasone | | | | | | | |
| Lidocaine/Prilocaine | 1.2% | 1.8% | 1.2% | 0.1% | 0.0% | 0.1% | 0.134 |
| Amoxicillin | 1.1% | 1.8% | 1.1% | 1.3% | 0.9% | 1.3% | -0.017 |

Table 5b. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|-------------------|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Cephalexin | 1.0% | 0.0% | 1.0% | 0.9% | 0.8% | 0.9% | 0.01 |
| Albuterol Sulfate | 1.0% | 0.0% | 1.0% | 0.8% | 1.1% | 0.8% | 0.022 |
| Cefdinir | 0.7% | 0.0% | 0.7% | 0.5% | 0.4% | 0.5% | 0.029 |
| Albuterol Sulfate | 0.7% | 0.0% | 0.7% | 0.3% | 0.0% | 0.3% | 0.062 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 5c. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 228 (100.0%) | 2,788 (100.0%) | 3,016 (100.0%) | 250 (100.0%) | 2,766 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 994.4 (955.2) | 804.0 (724.8) | 1,009.9 (968.8) | 1,017.0 (1100.9) | 915.8 (856.2) | 1,026.1 (1117.3) | -0.022 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 8.1 (1.5) | 8.0 (1.8) | 8.0 (1.7) | 8.3 (1.6) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.9%) | 82 (2.7%) | 4 (1.5%) | 78 (2.8%) | 0 |
| 3-4 | 105 (3.5%) | 5 (2.2%) | 100 (3.6%) | 105 (3.5%) | 8 (3.3%) | 97 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 38 (16.7%) | 353 (12.7%) | 390 (12.9%) | 25 (10.1%) | 365 (13.2%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 118 (51.8%) | 1,448 (51.9%) | 1,566 (51.9%) | 125 (50.0%) | 1,441 (52.1%) | 0 |
| 9-10 | 872 (28.9%) | 67 (29.4%) | 805 (28.9%) | 873 (28.9%) | 88 (35.2%) | 785 (28.4%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.3%) | 7 (0.2%) | 1 (0.3%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 4 (1.8%) | 115 (4.1%) | 70 (2.3%) | 5 (1.8%) | 66 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 10 (4.4%) | 160 (5.7%) | 111 (3.7%) | 9 (3.4%) | 103 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 3 (1.3%) | 19 (0.7%) | 17 (0.6%) | 2 (0.8%) | 15 (0.5%) | 0.026 |
| Unknown | 2,371 (78.6%) | 173 (75.9%) | 2,198 (78.8%) | 2,417 (80.1%) | 180 (72.3%) | 2,236 (80.8%) | -0.049 |
| White | 327 (10.8%) | 38 (16.7%) | 289 (10.4%) | 393 (13.0%) | 53 (21.3%) | 340 (12.3%) | -0.077 |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 3 (1.3%) | 11 (0.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 5c. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Short-acting leuprolide acetate | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 74.8% | 88.0% | 73.7% | 0.0% | 0.0% | 0.0% | - |
| Routine Infant Or Child Health Check | 29.5% | 29.3% | 29.5% | 74.1% | 87.6% | 72.8% | -1.009 |
| Precocious Puberty | 25.8% | 12.0% | 27.0% | 0.0% | 0.0% | 0.0% | - |
| Need Prophylactic Vaccination&inoculation Flu | 12.4% | 14.7% | 12.2% | 13.1% | 13.0% | 13.1% | -0.021 |
| Acute Pharyngitis | 10.3% | 12.6% | 10.1% | 9.8% | 14.8% | 9.3% | 0.017 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 9.1% | 3.7% | 9.6% | 19.7% | 7.3% | 20.8% | -0.312 |
| Encounter For Immunization | 7.2% | 2.1% | 7.6% | 8.7% | 2.7% | 9.2% | -0.054 |
| Other Unknown&unspec Cause Morbidity/Mortality | 6.9% | 5.8% | 7.0% | 5.2% | 5.3% | 5.2% | 0.079 |
| Acute Uris Of Unspecified Site | 6.7% | 9.9% | 6.5% | 6.6% | 8.8% | 6.4% | 0.006 |
| Other Disorders Of Puberty | 6.5% | 2.6% | 6.8% | 0.0% | 0.0% | 0.0% | - |
| Short Stature | 6.1% | 3.7% | 6.3% | 0.2% | 0.0% | 0.2% | 0.349 |
| Cough | 4.3% | 4.2% | 4.3% | 3.1% | 3.3% | 3.1% | 0.066 |
| Streptococcal Sore Throat | 4.3% | 5.8% | 4.2% | 4.0% | 5.6% | 3.8% | 0.015 |
| Other Adrenocortical Overactivity | 4.2% | 1.0% | 4.5% | 0.0% | 0.0% | 0.0% | 0.294 |
| Abnormal Weight Gain | 4.1% | 5.2% | 4.0% | 0.2% | 0.1% | 0.3% | 0.267 |

Table 5c. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Unspecified Otitis Media | 4.0% | 5.8% | 3.8% | 3.5% | 4.1% | 3.4% | 0.027 |
| Dietary Counseling And Surveillance | 3.3% | 2.1% | 3.4% | 2.1% | 0.5% | 2.2% | 0.079 |
| Other Hyperfunction Of Pituitary Gland | 3.2% | 0.5% | 3.4% | 0.0% | 0.0% | 0.0% | - |
| Obesity, Unspecified | 3.1% | 7.9% | 2.8% | 0.9% | 1.0% | 0.8% | 0.165 |
| Allergic Rhinitis Cause Unspecified | 3.1% | 2.6% | 3.1% | 2.4% | 3.6% | 2.3% | 0.04 |
| Fever Unspecified | 2.9% | 2.6% | 3.0% | 2.0% | 1.6% | 2.0% | 0.062 |
| Acute Pharyngitis Unspecified | 2.8% | 0.5% | 3.0% | 2.3% | 1.2% | 2.4% | 0.031 |
| Examination Of Eyes And Vision | 2.8% | 2.6% | 2.8% | 3.7% | 4.3% | 3.6% | -0.051 |
| Unspecified Viral Infection In Cce & Uns Site | 2.8% | 2.6% | 2.8% | 2.5% | 3.3% | 2.4% | 0.019 |
| Dietary Surveillance And Counseling | 2.7% | 4.2% | 2.6% | 5.1% | 7.7% | 4.9% | -0.175 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 2.7% | 1.0% | 2.8% | 2.9% | 1.0% | 3.1% | -0.013 |
| Lack Normal Physiological Development Unspec | 2.6% | 4.7% | 2.4% | 0.1% | 0.1% | 0.1% | 0.218 |
| Exercise Counseling | 2.6% | 3.1% | 2.5% | 2.3% | 2.7% | 2.3% | 0.018 |
| Abdominal Pain, Unspecified Site | 2.6% | 3.7% | 2.5% | 1.8% | 2.7% | 1.7% | 0.054 |
| Acute Sinusitis, Unspecified | 2.6% | 2.6% | 2.6% | 1.6% | 2.7% | 1.5% | 0.07 |
| Add Of Childhood With Hyperactivity | 2.5% | 3.7% | 2.4% | 1.4% | 1.6% | 1.4% | 0.084 |
| Headache | 2.5% | 4.7% | 2.3% | 1.3% | 1.9% | 1.2% | 0.09 |
| Other Specified Counseling | 2.5% | 1.6% | 2.6% | 1.2% | 0.2% | 1.3% | 0.106 |

Table 5c. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Urinary Tract Infection Site Not Specified | 2.3% | 3.7% | 2.2% | 1.8% | 2.4% | 1.8% | 0.033 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.3% | 2.1% | 2.3% | 5.2% | 5.1% | 5.2% | -0.157 |
| Other Specified Counseling | 2.2% | 3.7% | 2.1% | 3.2% | 4.6% | 3.0% | -0.076 |
| Acute Upper Respiratory Infection Unspecified | 2.0% | 0.5% | 2.1% | 1.7% | 0.9% | 1.7% | 0.023 |
| Puberty | 2.0% | 3.1% | 1.9% | 0.0% | 0.0% | 0.0% | 0.199 |
| Short Stature Child | 1.9% | 1.0% | 2.0% | 0.1% | 0.1% | 0.1% | 0.186 |
| Need Proph Vacc&inoculat Against Varicella | 1.9% | 3.1% | 1.7% | 4.2% | 4.5% | 4.2% | -0.138 |
| Unspecified Constipation | 1.8% | 4.2% | 1.6% | 0.9% | 1.1% | 0.9% | 0.075 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 1.7% | 1.6% | 1.7% | 1.6% | 2.6% | 1.5% | 0.01 |
| Oth Symptoms Concerning Nutrition Metab&dvlp | 1.7% | 4.2% | 1.5% | 0.0% | 0.0% | 0.0% | 0.186 |
| Hypermetropia | 1.7% | 3.1% | 1.6% | 1.0% | 1.6% | 1.0% | 0.058 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.5% | 1.7% | 1.0% | 1.1% | 1.0% | 0.053 |
| Dysuria | 1.6% | 2.1% | 1.6% | 0.9% | 1.0% | 0.9% | 0.063 |
| Unspecified Vaginitis And Vulvovaginitis | 1.6% | 1.0% | 1.7% | 0.5% | 0.5% | 0.4% | 0.115 |
| Laboratory Examination Unspecified | 1.6% | 1.0% | 1.7% | 0.1% | 0.0% | 0.1% | 0.161 |
| Other Acne | 1.5% | 2.1% | 1.4% | 0.1% | 0.2% | 0.1% | 0.157 |
| Myopia | 1.4% | 3.1% | 1.3% | 1.0% | 1.6% | 0.9% | 0.043 |

Table 5c. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 7.6% | 4.2% | 7.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 5.3% | 7.9% | 5.1% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 4.6% | 3.1% | 4.7% | 3.5% | 3.4% | 3.5% | 0.054 |
| Leuprolide Acetate | 3.3% | 1.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.1% | 1.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.0% | 3.1% | 3.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.9% | 3.7% | 2.8% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.6% | 2.1% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 2.4% | 2.6% | 2.4% | 0.0% | 0.0% | 0.0% | 0.219 |
| Leuprolide Acetate | 2.4% | 4.7% | 2.2% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 2.1% | 2.6% | 2.1% | 1.8% | 2.0% | 1.8% | 0.022 |
| Azithromycin | 1.6% | 1.6% | 1.6% | 0.8% | 0.5% | 0.9% | 0.068 |
| Azithromycin | 1.4% | 2.6% | 1.3% | 0.7% | 0.7% | 0.7% | 0.074 |
| Ciprofloxacin | 1.3% | 2.6% | 1.2% | 0.6% | 0.7% | 0.6% | 0.072 |
| Hcl/Dexamethasone | | | | | | | |
| Lidocaine/Prilocaine | 1.2% | 1.0% | 1.2% | 0.0% | 0.0% | 0.0% | 0.154 |
| Cephalexin | 1.1% | 1.6% | 1.0% | 1.0% | 1.4% | 0.9% | 0.011 |
| Amoxicillin | 1.1% | 1.6% | 1.0% | 0.9% | 1.0% | 0.8% | 0.024 |
| Albuterol Sulfate | 0.8% | 1.6% | 0.8% | 0.5% | 0.5% | 0.5% | 0.041 |
| Cefdinir | 0.7% | 0.5% | 0.7% | 0.3% | 0.2% | 0.3% | 0.052 |
| Albuterol Sulfate | 0.6% | 0.0% | 0.7% | 0.2% | 0.2% | 0.2% | 0.065 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 5d. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.7) | 1,726.0 (.) | 1,118.0 (1171.6) | -0.04 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 8.9 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (50.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (50.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (50.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (50.0%) | 393 (13.0%) | -0.077 |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 5d. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Short-acting leuprolide acetate | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 74.8% | 0.0% | 74.8% | 0.0% | 0.0% | 0.0% | - |
| Routine Infant Or Child Health Check | 29.5% | 0.0% | 29.5% | 74.1% | 100.0% | 74.1% | -1.009 |
| Precocious Puberty | 25.8% | 0.0% | 25.8% | 0.0% | 0.0% | 0.0% | - |
| Need Prophylactic Vaccination&inoculation Flu | 12.4% | 0.0% | 12.4% | 13.1% | 0.0% | 13.1% | -0.021 |
| Acute Pharyngitis | 10.3% | 0.0% | 10.3% | 9.8% | 0.0% | 9.8% | 0.017 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 9.1% | 0.0% | 9.1% | 19.7% | 0.0% | 19.7% | -0.312 |
| Encounter For Immunization | 7.2% | 0.0% | 7.2% | 8.7% | 0.0% | 8.7% | -0.054 |
| Other Unknown&unspec Cause Morbidity/Mortality | 6.9% | 0.0% | 6.9% | 5.2% | 0.0% | 5.2% | 0.079 |
| Acute Uris Of Unspecified Site | 6.7% | 0.0% | 6.7% | 6.6% | 0.0% | 6.6% | 0.006 |
| Other Disorders Of Puberty | 6.5% | 0.0% | 6.5% | 0.0% | 0.0% | 0.0% | - |
| Short Stature | 6.1% | 0.0% | 6.1% | 0.2% | 0.0% | 0.2% | 0.349 |
| Cough | 4.3% | 0.0% | 4.3% | 3.1% | 0.0% | 3.1% | 0.066 |
| Streptococcal Sore Throat | 4.3% | 0.0% | 4.3% | 4.0% | 0.0% | 4.0% | 0.015 |
| Other Adrenocortical Overactivity | 4.2% | 0.0% | 4.2% | 0.0% | 0.0% | 0.0% | 0.294 |
| Abnormal Weight Gain | 4.1% | 0.0% | 4.1% | 0.2% | 0.0% | 0.2% | 0.267 |

Table 5d. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Unspecified Otitis Media | 4.0% | 0.0% | 4.0% | 3.5% | 0.0% | 3.5% | 0.027 |
| Dietary Counseling And Surveillance | 3.3% | 0.0% | 3.3% | 2.1% | 0.0% | 2.1% | 0.079 |
| Other Hyperfunction Of Pituitary Gland | 3.2% | 0.0% | 3.2% | 0.0% | 0.0% | 0.0% | - |
| Obesity, Unspecified | 3.1% | 0.0% | 3.1% | 0.9% | 0.0% | 0.9% | 0.165 |
| Allergic Rhinitis Cause Unspecified | 3.1% | 0.0% | 3.1% | 2.4% | 0.0% | 2.4% | 0.04 |
| Fever Unspecified | 2.9% | 0.0% | 2.9% | 2.0% | 0.0% | 2.0% | 0.062 |
| Acute Pharyngitis Unspecified | 2.8% | 0.0% | 2.8% | 2.3% | 0.0% | 2.3% | 0.031 |
| Examination Of Eyes And Vision | 2.8% | 0.0% | 2.8% | 3.7% | 0.0% | 3.7% | -0.051 |
| Unspecified Viral Infection In Cce & Uns Site | 2.8% | 0.0% | 2.8% | 2.5% | 0.0% | 2.5% | 0.019 |
| Dietary Surveillance And Counseling | 2.7% | 0.0% | 2.7% | 5.1% | 0.0% | 5.1% | -0.175 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 2.7% | 0.0% | 2.7% | 2.9% | 0.0% | 2.9% | -0.013 |
| Lack Normal Physiological Development Unspec | 2.6% | 0.0% | 2.6% | 0.1% | 0.0% | 0.1% | 0.218 |
| Exercise Counseling | 2.6% | 0.0% | 2.6% | 2.3% | 0.0% | 2.3% | 0.018 |
| Abdominal Pain, Unspecified Site | 2.6% | 0.0% | 2.6% | 1.8% | 0.0% | 1.8% | 0.054 |
| Acute Sinusitis, Unspecified | 2.6% | 0.0% | 2.6% | 1.6% | 0.0% | 1.6% | 0.07 |
| Add Of Childhood With Hyperactivity | 2.5% | 0.0% | 2.5% | 1.4% | 0.0% | 1.4% | 0.084 |
| Headache | 2.5% | 0.0% | 2.5% | 1.3% | 0.0% | 1.3% | 0.09 |
| Other Specified Counseling | 2.5% | 0.0% | 2.5% | 1.2% | 0.0% | 1.2% | 0.106 |

Table 5d. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Urinary Tract Infection Site Not Specified | 2.3% | 0.0% | 2.3% | 1.8% | 0.0% | 1.8% | 0.033 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.3% | 0.0% | 2.3% | 5.2% | 0.0% | 5.2% | -0.157 |
| Other Specified Counseling | 2.2% | 0.0% | 2.2% | 3.2% | 0.0% | 3.2% | -0.076 |
| Acute Upper Respiratory Infection Unspecified | 2.0% | 0.0% | 2.0% | 1.7% | 0.0% | 1.7% | 0.023 |
| Puberty | 2.0% | 0.0% | 2.0% | 0.0% | 0.0% | 0.0% | 0.199 |
| Short Stature Child | 1.9% | 0.0% | 1.9% | 0.1% | 0.0% | 0.1% | 0.186 |
| Need Proph Vacc&inoculat Against Varicella | 1.9% | 0.0% | 1.9% | 4.2% | 0.0% | 4.2% | -0.138 |
| Unspecified Constipation | 1.8% | 0.0% | 1.8% | 0.9% | 0.0% | 0.9% | 0.075 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 1.7% | 0.0% | 1.7% | 1.6% | 0.0% | 1.6% | 0.01 |
| Oth Symptoms Concerning Nutrition Metab&dvlp | 1.7% | 0.0% | 1.7% | 0.0% | 0.0% | 0.0% | 0.186 |
| Hypermetropia | 1.7% | 0.0% | 1.7% | 1.0% | 0.0% | 1.0% | 0.058 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.7% | 1.0% | 0.0% | 1.0% | 0.053 |
| Dysuria | 1.6% | 0.0% | 1.6% | 0.9% | 0.0% | 0.9% | 0.063 |
| Unspecified Vaginitis And Vulvovaginitis | 1.6% | 0.0% | 1.6% | 0.5% | 0.0% | 0.5% | 0.115 |
| Laboratory Examination Unspecified | 1.6% | 0.0% | 1.6% | 0.1% | 0.0% | 0.1% | 0.161 |
| Other Acne | 1.5% | 0.0% | 1.5% | 0.1% | 0.0% | 0.1% | 0.157 |
| Myopia | 1.4% | 0.0% | 1.4% | 1.0% | 0.0% | 1.0% | 0.043 |

Table 5d. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 7.6% | 0.0% | 7.6% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 5.3% | 0.0% | 5.3% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 4.6% | 0.0% | 4.6% | 3.5% | 0.0% | 3.5% | 0.054 |
| Leuprolide Acetate | 3.3% | 0.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.1% | 0.0% | 3.1% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.9% | 0.0% | 2.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 2.4% | 0.0% | 2.4% | 0.0% | 0.0% | 0.0% | 0.219 |
| Leuprolide Acetate | 2.4% | 0.0% | 2.4% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 2.1% | 0.0% | 2.1% | 1.8% | 0.0% | 1.8% | 0.022 |
| Azithromycin | 1.6% | 0.0% | 1.6% | 0.8% | 0.0% | 0.8% | 0.068 |
| Azithromycin | 1.4% | 0.0% | 1.4% | 0.7% | 0.0% | 0.7% | 0.074 |
| Ciprofloxacin | 1.3% | 0.0% | 1.3% | 0.6% | 0.0% | 0.6% | 0.072 |
| Hcl/Dexamethasone | | | | | | | |
| Lidocaine/Prilocaine | 1.2% | 0.0% | 1.2% | 0.0% | 0.0% | 0.0% | 0.154 |
| Cephalexin | 1.1% | 0.0% | 1.1% | 1.0% | 0.0% | 1.0% | 0.011 |
| Amoxicillin | 1.1% | 0.0% | 1.1% | 0.9% | 0.0% | 0.9% | 0.024 |
| Albuterol Sulfate | 0.8% | 0.0% | 0.8% | 0.5% | 0.0% | 0.5% | 0.041 |
| Cefdinir | 0.7% | 0.0% | 0.7% | 0.3% | 0.0% | 0.3% | 0.052 |
| Albuterol Sulfate | 0.6% | 0.0% | 0.6% | 0.2% | 0.0% | 0.2% | 0.065 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 5e. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.6) | 3,557.0 (.) | 1,118.0 (1171.6) | -0.04 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 4.6 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (100.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (0.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (100.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (0.0%) | 393 (13.0%) | -0.077 |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 5e. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Short-acting leuprolide acetate | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 74.8% | 0.0% | 74.8% | 0.0% | 0.0% | 0.0% | - |
| Routine Infant Or Child Health Check | 29.5% | 0.0% | 29.5% | 74.1% | 100.0% | 74.1% | -1.009 |
| Precocious Puberty | 25.8% | 0.0% | 25.8% | 0.0% | 0.0% | 0.0% | - |
| Need Prophylactic Vaccination&inoculation Flu | 12.4% | 0.0% | 12.4% | 13.1% | 0.0% | 13.1% | -0.021 |
| Acute Pharyngitis | 10.3% | 0.0% | 10.3% | 9.8% | 0.0% | 9.8% | 0.017 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 9.1% | 0.0% | 9.1% | 19.7% | 0.0% | 19.7% | -0.312 |
| Encounter For Immunization | 7.2% | 0.0% | 7.2% | 8.7% | 0.0% | 8.7% | -0.054 |
| Other Unknown&unspec Cause Morbidity/Mortality | 6.9% | 0.0% | 6.9% | 5.2% | 0.0% | 5.2% | 0.079 |
| Acute Uris Of Unspecified Site | 6.7% | 0.0% | 6.7% | 6.6% | 100.0% | 6.6% | 0.006 |
| Other Disorders Of Puberty | 6.5% | 0.0% | 6.5% | 0.0% | 0.0% | 0.0% | - |
| Short Stature | 6.1% | 0.0% | 6.1% | 0.2% | 0.0% | 0.2% | 0.349 |
| Cough | 4.3% | 0.0% | 4.3% | 3.1% | 100.0% | 3.1% | 0.066 |
| Streptococcal Sore Throat | 4.3% | 0.0% | 4.3% | 4.0% | 0.0% | 4.0% | 0.015 |
| Other Adrenocortical Overactivity | 4.2% | 0.0% | 4.2% | 0.0% | 0.0% | 0.0% | 0.294 |
| Abnormal Weight Gain | 4.1% | 0.0% | 4.1% | 0.2% | 0.0% | 0.2% | 0.267 |

Table 5e. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Unspecified Otitis Media | 4.0% | 0.0% | 4.0% | 3.5% | 0.0% | 3.5% | 0.027 |
| Dietary Counseling And Surveillance | 3.3% | 0.0% | 3.3% | 2.1% | 0.0% | 2.1% | 0.079 |
| Other Hyperfunction Of Pituitary Gland | 3.2% | 0.0% | 3.2% | 0.0% | 0.0% | 0.0% | - |
| Obesity, Unspecified | 3.1% | 0.0% | 3.1% | 0.9% | 0.0% | 0.9% | 0.165 |
| Allergic Rhinitis Cause Unspecified | 3.1% | 0.0% | 3.1% | 2.4% | 0.0% | 2.4% | 0.04 |
| Fever Unspecified | 2.9% | 0.0% | 2.9% | 2.0% | 0.0% | 2.0% | 0.062 |
| Acute Pharyngitis Unspecified | 2.8% | 0.0% | 2.8% | 2.3% | 0.0% | 2.3% | 0.031 |
| Examination Of Eyes And Vision | 2.8% | 0.0% | 2.8% | 3.7% | 0.0% | 3.7% | -0.051 |
| Unspecified Viral Infection In Cce & Uns Site | 2.8% | 0.0% | 2.8% | 2.5% | 0.0% | 2.5% | 0.019 |
| Dietary Surveillance And Counseling | 2.7% | 0.0% | 2.7% | 5.1% | 0.0% | 5.1% | -0.175 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 2.7% | 0.0% | 2.7% | 2.9% | 0.0% | 2.9% | -0.013 |
| Lack Normal Physiological Development Unspec | 2.6% | 0.0% | 2.6% | 0.1% | 0.0% | 0.1% | 0.218 |
| Exercise Counseling | 2.6% | 0.0% | 2.6% | 2.3% | 0.0% | 2.3% | 0.018 |
| Abdominal Pain, Unspecified Site | 2.6% | 0.0% | 2.6% | 1.8% | 0.0% | 1.8% | 0.054 |
| Acute Sinusitis, Unspecified | 2.6% | 0.0% | 2.6% | 1.6% | 0.0% | 1.6% | 0.07 |
| Add Of Childhood With Hyperactivity | 2.5% | 0.0% | 2.5% | 1.4% | 0.0% | 1.4% | 0.084 |
| Headache | 2.5% | 0.0% | 2.5% | 1.3% | 0.0% | 1.3% | 0.09 |
| Other Specified Counseling | 2.5% | 0.0% | 2.5% | 1.2% | 0.0% | 1.2% | 0.106 |

Table 5e. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|--------------------------|--------------------|
| | Controls | | | | | Matched Non-CPP Controls | |
| | All | With event | Without event | All | With event | Without event | |
| Urinary Tract Infection Site Not Specified | 2.3% | 0.0% | 2.3% | 1.8% | 0.0% | 1.8% | 0.033 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.3% | 0.0% | 2.3% | 5.2% | 0.0% | 5.2% | -0.157 |
| Other Specified Counseling | 2.2% | 0.0% | 2.2% | 3.2% | 0.0% | 3.2% | -0.076 |
| Acute Upper Respiratory Infection Unspecified | 2.0% | 0.0% | 2.0% | 1.7% | 0.0% | 1.7% | 0.023 |
| Puberty | 2.0% | 0.0% | 2.0% | 0.0% | 0.0% | 0.0% | 0.199 |
| Short Stature Child | 1.9% | 0.0% | 1.9% | 0.1% | 0.0% | 0.1% | 0.186 |
| Need Proph Vacc&inoculat Against Varicella | 1.9% | 0.0% | 1.9% | 4.2% | 0.0% | 4.2% | -0.138 |
| Unspecified Constipation | 1.8% | 0.0% | 1.8% | 0.9% | 0.0% | 0.9% | 0.075 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 1.7% | 0.0% | 1.7% | 1.6% | 100.0% | 1.6% | 0.01 |
| Oth Symptoms Concerning Nutrition Metab&dvlp | 1.7% | 0.0% | 1.7% | 0.0% | 0.0% | 0.0% | 0.186 |
| Hypermetropia | 1.7% | 0.0% | 1.7% | 1.0% | 0.0% | 1.0% | 0.058 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.7% | 1.0% | 0.0% | 1.0% | 0.053 |
| Dysuria | 1.6% | 0.0% | 1.6% | 0.9% | 0.0% | 0.9% | 0.063 |
| Unspecified Vaginitis And Vulvovaginitis | 1.6% | 0.0% | 1.6% | 0.5% | 0.0% | 0.5% | 0.115 |
| Laboratory Examination Unspecified | 1.6% | 0.0% | 1.6% | 0.1% | 0.0% | 0.1% | 0.161 |
| Other Acne | 1.5% | 0.0% | 1.5% | 0.1% | 0.0% | 0.1% | 0.157 |
| Myopia | 1.4% | 0.0% | 1.4% | 1.0% | 0.0% | 1.0% | 0.043 |

Table 5e. Baseline Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 7.6% | 0.0% | 7.6% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 5.3% | 0.0% | 5.3% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 4.6% | 0.0% | 4.6% | 3.5% | 0.0% | 3.5% | 0.054 |
| Leuprolide Acetate | 3.3% | 0.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.1% | 0.0% | 3.1% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.9% | 0.0% | 2.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 2.4% | 0.0% | 2.4% | 0.0% | 0.0% | 0.0% | 0.219 |
| Leuprolide Acetate | 2.4% | 0.0% | 2.4% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 2.1% | 0.0% | 2.1% | 1.8% | 0.0% | 1.8% | 0.022 |
| Azithromycin | 1.6% | 0.0% | 1.6% | 0.8% | 0.0% | 0.8% | 0.068 |
| Azithromycin | 1.4% | 0.0% | 1.4% | 0.7% | 0.0% | 0.7% | 0.074 |
| Ciprofloxacin | 1.3% | 0.0% | 1.3% | 0.6% | 0.0% | 0.6% | 0.072 |
| Hcl/Dexamethasone | | | | | | | |
| Lidocaine/Prilocaine | 1.2% | 0.0% | 1.2% | 0.0% | 0.0% | 0.0% | 0.154 |
| Cephalexin | 1.1% | 0.0% | 1.1% | 1.0% | 0.0% | 1.0% | 0.011 |
| Amoxicillin | 1.1% | 0.0% | 1.1% | 0.9% | 0.0% | 0.9% | 0.024 |
| Albuterol Sulfate | 0.8% | 0.0% | 0.8% | 0.5% | 0.0% | 0.5% | 0.041 |
| Cefdinir | 0.7% | 0.0% | 0.7% | 0.3% | 0.0% | 0.3% | 0.052 |
| Albuterol Sulfate | 0.6% | 0.0% | 0.6% | 0.2% | 0.0% | 0.2% | 0.065 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 6a. Effect Estimates for Leuprolide Acetate Exposed Children Matched with Non-Central Precocious Puberty (CPP) Controls, Major Fracture

| Medical Product | Number of New Users | Person Years at Risk | Average Person Days at Risk | Average Person Years at Risk | Number of Events | Incidence Rate per 1000 Person Years | Risk per 1000 New Users | Incidence | Difference | Hazard Ratio (95% Confidence Interval) | Wald P-Value |
|---|---------------------|----------------------|-----------------------------|------------------------------|------------------|--------------------------------------|-------------------------|----------------------------|---------------------------------------|--|--------------|
| | | | | | | | | Rate per 1000 Person Years | Difference in Risk per 1000 New Users | | |
| Unmatched Analysis (Site-adjusted only) | | | | | | | | | | | |
| Eligible Leuprolide Acetate Exposed Children | 3,016 | 8,666.34 | 1,049.53 | 2.87 | 68 | 7.85 | 22.55 | | | | |
| Eligible Non-CPP Controls | 6,925,684 | 20,156,231.36 | 1,063.01 | 2.91 | 173,261 | 8.60 | 25.02 | -0.75 | -2.47 | 0.87 (0.69, 1.10) | 0.248 |
| 1:many Matched Conditional Analysis | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 8,095.19 | 980.36 | 2.68 | 63 | 7.78 | 20.89 | | | | |
| Matched Non-CPP Controls | 30,160 | 42,963.83 | 520.31 | 1.42 | 541 | 12.59 | 17.94 | -4.81 | 2.95 | 0.66 (0.51, 0.87) | 0.003 |

Table 6b. Effect Estimates for Leuprolide Acetate Exposed Children Matched with Central Precocious Puberty (CPP) Controls, Major Fracture

| Medical Product | Number of New Users | Person Years at Risk | Average Person Days at Risk | Average Person Years at Risk | Number of Events | Incidence Rate per 1000 Person Years | Risk per 1000 New Users | Incidence | Difference | Hazard Ratio (95% Confidence Interval) | Wald P-Value |
|---|---------------------|----------------------|-----------------------------|------------------------------|------------------|--------------------------------------|-------------------------|----------------------------|---------------------------------------|--|--------------|
| | | | | | | | | Rate per 1000 Person Years | Difference in Risk per 1000 New Users | | |
| Unmatched Analysis (Site-adjusted only) | | | | | | | | | | | |
| Eligible Leuprolide Acetate Exposed Children | 3,016 | 8,666.34 | 1,049.53 | 2.87 | 68 | 7.85 | 22.55 | -1.08 | -4.84 | 0.82 (0.65, 1.05) | 0.119 |
| Eligible CPP Controls | 69,629 | 213,659.91 | 1,120.79 | 3.07 | 1,907 | 8.93 | 27.39 | | | | |
| 1:many Matched Conditional Analysis | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with CPP Controls | 3,007 | 7,946.33 | 965.21 | 2.64 | 61 | 7.68 | 20.29 | -3.73 | 3.59 | 0.77 (0.59, 1.01) | 0.059 |
| Matched CPP Controls | 28,143 | 41,217.33 | 534.93 | 1.46 | 470 | 11.40 | 16.70 | | | | |

Table 6c. Effect Estimates for Leuprolide Acetate Exposed Children Matched with Non-Central Precocious Puberty (CPP) Controls, Any Fracture

| Medical Product | Number of New Users | Person Years at Risk | Average Person Days at Risk | Average Person Years at Risk | Number of Events | Incidence Rate per 1000 Person Years | Risk per 1000 New Users | Incidence | | Hazard Ratio (95% Confidence Interval) | Wald P-Value |
|---|---------------------|----------------------|-----------------------------|------------------------------|------------------|--------------------------------------|-------------------------|---------------------------------------|---------------------------------------|--|--------------|
| | | | | | | | | Rate Difference per 1000 Person Years | Difference in Risk per 1000 New Users | | |
| Unmatched Analysis (Site-adjusted only) | | | | | | | | | | | |
| Eligible Leuprolide Acetate Exposed Children | 3,016 | 8,210.82 | 994.36 | 2.72 | 228 | 27.77 | 75.60 | 5.24 | 12.75 | 1.22 (1.07, 1.39) | 0.003 |
| Eligible Non-CPP Controls | 6,925,684 | 19,318,812.79 | 1,018.84 | 2.79 | 435,262 | 22.53 | 62.85 | | | | |
| 1:many Matched Conditional Analysis | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 7,640.71 | 925.32 | 2.53 | 215 | 28.14 | 71.29 | -4.07 | 27.98 | 0.88 (0.76, 1.02) | 0.091 |
| Matched Non-CPP Controls | 30,160 | 40,542.55 | 490.99 | 1.34 | 1,306 | 32.21 | 43.30 | | | | |

Table 6d. Effect Estimates for Leuprolide Acetate Exposed Children Matched with Non-Central Precocious Puberty (CPP) Controls, Hip Replacement

| Medical Product | Number of New Users | Person Years at Risk | Average Person Days at Risk | Average Person Years at Risk | Number of Events | Incidence Rate per 1000 Person Years | Risk per 1000 New Users | Incidence Rate Difference | | Hazard Ratio (95% Confidence Interval) | Wald P-Value |
|---|---------------------|----------------------|-----------------------------|------------------------------|------------------|--------------------------------------|-------------------------|---------------------------|----------------------------|--|--------------|
| | | | | | | | | per 1000 Person Years | in Risk per 1000 New Users | | |
| Unmatched Analysis (Site-adjusted only) | | | | | | | | | | | |
| Eligible Leuprolide Acetate Exposed Children | 3,016 | 8,871.14 | 1,074.33 | 2.94 | 0 | 0.00 | 0.00 | -0.01 | -0.02 | - | - |
| Eligible Non-CPP Controls | 6,925,684 | 20,755,145.37 | 1,094.59 | 3.00 | 114 | 0.01 | 0.02 | | | | |
| 1:many Matched Conditional Analysis | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 8,324.24 | 1,008.10 | 2.76 | 0 | 0.00 | 0.00 | -0.02 | -0.03 | - | - |
| Matched Non-CPP Controls | 30,160 | 44,510.83 | 539.04 | 1.48 | 1 | 0.02 | 0.03 | | | | |

Table 6e. Effect Estimates for Leuprolide Acetate Exposed Children Matched with Non-Central Precocious Puberty (CPP) Controls, Temporomandibular Joint Replacement

| Medical Product | Number of New Users | Person Years at Risk | Average Person Days at Risk | Average Person Years at Risk | Number of Events | Incidence Rate per 1000 Person Years | Risk per 1000 New Users | Incidence Rate Difference | | Hazard Ratio (95% Confidence Interval) | Wald P-Value |
|---|---------------------|----------------------|-----------------------------|------------------------------|------------------|--------------------------------------|-------------------------|---------------------------|----------------------------|--|--------------|
| | | | | | | | | per 1000 Person Years | in Risk per 1000 New Users | | |
| Unmatched Analysis (Site-adjusted only) | | | | | | | | | | | |
| Eligible Leuprolide Acetate Exposed Children | 3,016 | 8,871.14 | 1,074.33 | 2.94 | 0 | 0.00 | 0.00 | 0.00 | -0.01 | - | - |
| Eligible Non-CPP Controls | 6,925,684 | 20,755,385.31 | 1,094.61 | 3.00 | 45 | 0.00 | 0.01 | | | | |
| 1:many Matched Conditional Analysis | | | | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | 3,016 | 8,324.24 | 1,008.10 | 2.76 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | - | - |
| Matched Non-CPP Controls | 30,160 | 44,516.64 | 539.11 | 1.48 | 0 | 0.00 | 0.00 | | | | |

Table 7. Summary of Leuprolide Acetate Exposure Duration and Dispensings among Female Leuprolide Acetate Exposed Children and their Matched Central Precocious Puberty (CPP) and Non-CPP Controls with Major Fractures in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018

| | Number of patients | Mean | Minimum | Maximum | 5% | 10% | 25% | Median | 75% | 90% | 95% | 99% |
|--|--------------------|------|---------|---------|--------|--------|--------|--------|-----|-------|-------|-------|
| Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | | | | | | | | | | |
| Time since index date (days) | 68 | 704 | 33 | 3,012 | 85 | 100 | 218 | 516 | 985 | 1,718 | 1,982 | 3,012 |
| Time since exposure discontinuation (days) | 68 | 224 | -1,253 | 2,800 | -856 | -605 | -128 | 106 | 495 | 1,184 | 1,528 | 2,800 |
| Cumulative leuprolide acetate exposure duration (days) | 68 | 481 | 31 | 1,997 | 31 | 31 | 60 | 325 | 743 | 1,262 | 1,354 | 1,997 |
| Cumulative leuprolide acetate utilization | 68 | 11 | 1 | 70 | 1 | 1 | 2 | 7 | 12 | 27 | 39 | 70 |
| Age at the time of the event (years) | 68 | 10 | 4 | 17 | | | | | | | | |
| Matched Non-CPP Controls | | | | | | | | | | | | |
| Time since index date (days) | 883 | 728 | 2 | 4,751 | 50 | 81 | 226 | 524 | 983 | 1,658 | 2,140 | 3,656 |
| Time since exposure discontinuation (days) | 883 | -655 | -6,337 | 4,597 | -3,971 | -3,133 | -2,013 | -627 | 682 | 2,000 | 2,616 | 3,637 |
| Cumulative leuprolide acetate exposure duration (days) | 883 | 361 | 2 | 3,012 | 31 | 31 | 31 | 224 | 577 | 925 | 1,137 | 1,506 |
| Cumulative leuprolide acetate utilization | 883 | 8 | 1 | 74 | 1 | 1 | 1 | 4 | 10 | 21 | 32 | 51 |
| Age at the time of the event (years) | 883 | 10 | 2 | 23 | | | | | | | | |
| Leuprolide Acetate Exposed Children Matched with CPP Controls | | | | | | | | | | | | |
| Time since index date (days) | 68 | 704 | 33 | 3,012 | 85 | 100 | 218 | 516 | 985 | 1,718 | 1,982 | 3,012 |
| Time since exposure discontinuation (days) | 68 | 224 | -1,253 | 2,800 | -856 | -605 | -128 | 106 | 495 | 1,184 | 1,528 | 2,800 |
| Cumulative leuprolide acetate exposure duration (days) | 68 | 481 | 31 | 1,997 | 31 | 31 | 60 | 325 | 743 | 1,262 | 1,354 | 1,997 |
| Cumulative leuprolide acetate utilization | 68 | 11 | 1 | 70 | 1 | 1 | 2 | 7 | 12 | 27 | 39 | 70 |
| Age at the time of the event (years) | 68 | 10 | 4 | 17 | | | | | | | | |
| Matched CPP Controls | | | | | | | | | | | | |
| Time since index date (days) | 796 | 673 | 2 | 4,443 | 36 | 76 | 208 | 528 | 923 | 1,494 | 1,938 | 2,907 |
| Time since exposure discontinuation (days) | 796 | -221 | -5,520 | 5,797 | -3,260 | -2,535 | -1,457 | -183 | 943 | 2,112 | 2,837 | 3,906 |
| Cumulative leuprolide acetate exposure duration (days) | 796 | 357 | 1 | 2,777 | 31 | 31 | 31 | 220 | 574 | 888 | 1,159 | 1,594 |
| Cumulative leuprolide acetate utilization | 796 | 8 | 1 | 100 | 1 | 1 | 1 | 4 | 11 | 23 | 32 | 51 |
| Age at the time of the event (years) | 796 | 10 | 1 | 21 | | | | | | | | |

Table 8a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 68 (100.0%) | 2,948 (100.0%) | 3,016 (100.0%) | 88 (100.0%) | 2,928 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.5 (992.7) | 704.1 (613.1) | 1,057.5 (998.5) | 1,081.0 (1150.5) | 728.2 (692.8) | 1,091.7 (1158.8) | -0.029 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.1 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.8%) | 82 (2.7%) | 2 (1.9%) | 80 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 1 (1.5%) | 104 (3.5%) | 105 (3.5%) | 4 (4.6%) | 101 (3.4%) | 0 |
| 5-6 | 391 (13.0%) | 14 (20.6%) | 377 (12.8%) | 390 (12.9%) | 9 (10.6%) | 381 (13.0%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 40 (58.8%) | 1,526 (51.8%) | 1,566 (51.9%) | 45 (51.0%) | 1,521 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 13 (19.1%) | 859 (29.1%) | 873 (28.9%) | 28 (31.8%) | 845 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.2%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 1 (1.5%) | 118 (4.0%) | 70 (2.3%) | 1 (1.2%) | 69 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 2 (2.9%) | 168 (5.7%) | 111 (3.7%) | 2 (2.4%) | 109 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 1 (1.5%) | 21 (0.7%) | 17 (0.6%) | 1 (0.6%) | 16 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 53 (77.9%) | 2,318 (78.6%) | 2,417 (80.1%) | 65 (73.8%) | 2,352 (80.3%) | -0.049 |
| White | 327 (10.8%) | 11 (16.2%) | 316 (10.7%) | 393 (13.0%) | 19 (21.7%) | 374 (12.8%) | -0.077 |
| Anti-epileptic drugs | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.062 |
| Anticoagulants | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.066 |
| Antidepressants | 35 (1.2%) | 0 (0.0%) | 35 (1.2%) | 18 (0.6%) | 0 (0.5%) | 18 (0.6%) | 0.059 |
| Beta blockers | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.006 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 29 (1.0%) | 2 (2.9%) | 27 (0.9%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.138 |
| Corticosteroids | 183 (6.1%) | 2 (2.9%) | 181 (6.1%) | 154 (5.1%) | 7 (7.7%) | 147 (5.0%) | 0.042 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 8a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 180 (6.0%) | 2 (2.9%) | 178 (6.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 29 (1.0%) | 2 (2.9%) | 27 (0.9%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Medroxyprogesterone | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.048 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 10 (0.3%) | 1 (1.5%) | 9 (0.3%) | 8 (0.3%) | 0 (0.5%) | 8 (0.3%) | 0.012 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 21 (0.7%) | 0 (0.0%) | 21 (0.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 65.1% | 70.2% | 65.0% | 0.3% | 0.0% | 0.3% | 1.93 |
| Precocious Puberty | 24.5% | 19.3% | 24.6% | 0.1% | 0.0% | 0.1% | 0.808 |
| Routine Infant Or Child Health Check | 19.4% | 24.6% | 19.3% | 4.0% | 3.5% | 4.0% | 0.497 |

Table 8a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 10.8% | 10.5% | 10.8% | 5.3% | 7.1% | 5.2% | 0.207 |
| Acute Pharyngitis | 9.3% | 12.3% | 9.2% | 8.6% | 11.9% | 8.5% | 0.025 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 7.1% | 3.5% | 7.2% | 1.1% | 0.1% | 1.2% | 0.307 |
| Encounter For Immunization | 6.5% | 3.5% | 6.5% | 3.0% | 2.0% | 3.0% | 0.166 |
| Acute Uris Of Unspecified Site | 6.2% | 10.5% | 6.1% | 5.9% | 10.6% | 5.8% | 0.011 |
| Other Hyperfunction Of Pituitary Gland | 6.2% | 5.3% | 6.2% | 0.0% | 0.0% | 0.0% | - |
| Other Unknown & unspec Cause Morbidity/Mortality | 5.9% | 5.3% | 5.9% | 4.9% | 7.5% | 4.8% | 0.048 |
| Cough | 4.4% | 0.0% | 4.5% | 2.7% | 4.2% | 2.7% | 0.087 |
| Streptococcal Sore Throat | 3.4% | 5.3% | 3.4% | 3.0% | 4.1% | 3.0% | 0.022 |
| Unspecified Otitis Media | 3.3% | 3.5% | 3.3% | 2.9% | 4.9% | 2.8% | 0.022 |
| Acute Sinusitis, Unspecified | 3.2% | 5.3% | 3.1% | 1.6% | 3.3% | 1.6% | 0.102 |
| Fever Unspecified | 3.1% | 7.0% | 3.0% | 1.5% | 1.9% | 1.5% | 0.105 |
| Acute Pharyngitis Unspecified | 3.0% | 3.5% | 3.0% | 2.4% | 1.9% | 2.4% | 0.038 |
| Other Disorders Of Puberty | 3.0% | 0.0% | 3.1% | 0.0% | 0.0% | 0.0% | 0.249 |
| Allergic Rhinitis Cause Unspecified | 3.0% | 3.5% | 3.0% | 2.2% | 2.5% | 2.2% | 0.048 |
| Short Stature | 3.0% | 1.8% | 3.0% | 0.1% | 0.3% | 0.1% | 0.232 |
| Dietary Counseling And Surveillance | 2.6% | 1.8% | 2.6% | 0.3% | 0.0% | 0.3% | 0.205 |
| Add Of Childhood With Hyperactivity | 2.2% | 3.5% | 2.2% | 1.3% | 1.5% | 1.3% | 0.071 |
| Examination Of Eyes And Vision | 2.2% | 3.5% | 2.1% | 1.8% | 2.3% | 1.8% | 0.029 |

Table 8a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Dietary Surveillance And Counseling | 2.1% | 1.8% | 2.1% | 0.5% | 0.4% | 0.5% | 0.161 |
| Obesity, Unspecified | 2.1% | 3.5% | 2.1% | 0.3% | 0.4% | 0.3% | 0.171 |
| Other Adrenocortical Overactivity | 2.1% | 1.8% | 2.1% | 0.0% | 0.0% | 0.0% | 0.202 |
| Unspecified Viral Infection In Cce & Uns Site | 2.0% | 1.8% | 2.0% | 2.1% | 3.8% | 2.1% | -0.008 |
| Headache | 2.0% | 1.8% | 2.0% | 1.0% | 1.0% | 1.0% | 0.085 |
| Abdominal Pain, Unspecified Site | 2.0% | 1.8% | 2.0% | 1.5% | 1.9% | 1.5% | 0.034 |
| Exercise Counseling | 1.9% | 1.8% | 1.9% | 0.3% | 0.1% | 0.3% | 0.167 |
| Acute Upper Respiratory Infection Unspecified | 1.9% | 0.0% | 1.9% | 1.4% | 1.2% | 1.4% | 0.043 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.8% | 0.9% | 0.8% | 0.9% | 0.069 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 1.6% | 1.8% | 1.6% | 0.2% | 0.0% | 0.2% | 0.152 |
| Myopia | 1.5% | 0.0% | 1.6% | 1.3% | 1.2% | 1.3% | 0.017 |
| Streptococcal Pharyngitis | 1.5% | 0.0% | 1.6% | 1.2% | 0.5% | 1.2% | 0.029 |
| Other Specified Counseling | 1.5% | 1.8% | 1.5% | 0.3% | 0.3% | 0.3% | 0.135 |
| Other Specified Counseling | 1.5% | 1.8% | 1.5% | 0.2% | 0.0% | 0.2% | 0.156 |
| Abnormal Weight Gain | 1.5% | 0.0% | 1.5% | 0.1% | 0.3% | 0.1% | 0.157 |
| Urinary Tract Infection Site Not Specified | 1.5% | 1.8% | 1.4% | 1.0% | 1.8% | 1.0% | 0.044 |
| Unspecified Constipation | 1.3% | 0.0% | 1.4% | 0.6% | 0.5% | 0.6% | 0.075 |
| Contact Dermatitis&other Eczema Due Unspec Cause | 1.3% | 5.3% | 1.2% | 0.9% | 1.0% | 0.9% | 0.037 |
| Pain In Soft Tissues Of Limb | 1.3% | 7.0% | 1.2% | 0.6% | 2.2% | 0.6% | 0.067 |

Table 8a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Lack Normal Physiological Development Unspec | 1.3% | 1.8% | 1.2% | 0.0% | 0.0% | 0.0% | 0.151 |
| Unspecified Hypothyroidism | 1.2% | 0.0% | 1.2% | 0.1% | 0.0% | 0.1% | 0.146 |
| Hypermetropia | 1.1% | 0.0% | 1.2% | 1.0% | 1.2% | 1.0% | 0.012 |
| Cough | 1.0% | 1.8% | 1.0% | 0.9% | 0.8% | 0.9% | 0.018 |
| Acute Suppurative Otitis Media W/O Spontaneous Rupture of Eardrum | 1.0% | 1.8% | 1.0% | 0.8% | 2.2% | 0.8% | 0.022 |
| Short Stature Child | 1.0% | 0.0% | 1.1% | 0.1% | 0.0% | 0.1% | 0.134 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 1.0% | 1.8% | 0.9% | 0.1% | 0.1% | 0.1% | 0.114 |
| Add Childhood Without Mention of Hyperactivity | 0.9% | 1.8% | 0.9% | 0.3% | 0.3% | 0.3% | 0.075 |
| Need Prophylactic Vaccination and Inoculation Against Viral Hepatitis | 0.9% | 0.0% | 0.9% | 0.3% | 0.5% | 0.3% | 0.073 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 8.7% | 7.0% | 8.7% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.2% | 12.3% | 6.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 4.4% | 7.0% | 4.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.7% | 5.3% | 3.7% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.6% | 3.5% | 3.6% | 3.2% | 3.8% | 3.1% | 0.025 |
| Leuprolide Acetate | 3.5% | 7.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 3.1% | 5.3% | 3.0% | 0.0% | 0.3% | 0.0% | 0.247 |
| Leuprolide Acetate | 2.9% | 0.0% | 3.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.7% | 10.5% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Histrelin Acetate | 2.6% | 1.8% | 2.6% | 0.0% | 0.0% | 0.0% | 0.233 |
| Leuprolide Acetate | 2.6% | 5.3% | 2.5% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 1.6% | 3.5% | 1.5% | 1.2% | 1.4% | 1.2% | 0.03 |
| Amoxicillin | 1.5% | 3.5% | 1.4% | 1.6% | 1.9% | 1.6% | -0.014 |

Table 8a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 1.3% | 0.0% | 1.3% | 0.7% | 0.4% | 0.7% | 0.057 |
| Amoxicillin | 1.2% | 0.0% | 1.2% | 0.7% | 0.4% | 0.7% | 0.045 |
| Azithromycin | 1.1% | 0.0% | 1.2% | 0.8% | 1.1% | 0.8% | 0.03 |
| Azithromycin | 0.7% | 0.0% | 0.7% | 0.4% | 0.4% | 0.4% | 0.044 |
| Azithromycin | 0.6% | 0.0% | 0.7% | 0.2% | 0.1% | 0.2% | 0.066 |
| Lidocaine/Prilocaine | 0.6% | 0.0% | 0.7% | 0.0% | 0.0% | 0.0% | 0.106 |
| Ciprofloxacin | 0.6% | 0.0% | 0.6% | 0.3% | 0.5% | 0.3% | 0.046 |
| Hcl/Dexamethasone | | | | | | | |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 8b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|----------------------|---------------|------------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,007 (100.0%) | 68 (100.0%) | 2,939 (100.0%) | 3,007 (100.0%) | 85 (100.0%) | 2,922 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.6 (992.6) | 704.1 (613.1) | 1,057.6 (998.5) | 1,085.3 (1026.9) | 670.8 (610.8) | 1,097.3 (1033.0) | -0.035 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 81 (2.7%) | 0 (0.0%) | 81 (2.8%) | 84 (2.8%) | 2 (2.4%) | 81 (2.8%) | -0.005 |
| 3-4 | 104 (3.5%) | 1 (1.5%) | 103 (3.5%) | 101 (3.4%) | 4 (4.4%) | 97 (3.3%) | 0.006 |
| 5-6 | 387 (12.9%) | 14 (20.6%) | 373 (12.7%) | 391 (13.0%) | 11 (13.4%) | 380 (13.0%) | -0.004 |
| 7-8 | 1,564 (52.0%) | 40 (58.8%) | 1,524 (51.9%) | 1,558 (51.8%) | 45 (53.2%) | 1,513 (51.8%) | 0.004 |
| 9-10 | 871 (29.0%) | 13 (19.1%) | 858 (29.2%) | 874 (29.1%) | 23 (26.7%) | 851 (29.1%) | -0.002 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 9 (0.3%) | 0 (0.1%) | 9 (0.3%) | -0.015 |
| Asian | 117 (3.9%) | 1 (1.5%) | 116 (3.9%) | 65 (2.2%) | 2 (2.7%) | 63 (2.2%) | 0.11 |
| Black or African American | 169 (5.6%) | 2 (2.9%) | 167 (5.7%) | 184 (6.1%) | 3 (3.7%) | 181 (6.2%) | -0.024 |
| Native Hawaiian or Other Pacific Islander | 21 (0.7%) | 1 (1.5%) | 20 (0.7%) | 17 (0.6%) | 0 (0.4%) | 17 (0.6%) | 0.02 |
| Unknown | 2,370 (78.8%) | 53 (77.9%) | 2,317 (78.8%) | 2,347 (78.0%) | 62 (73.5%) | 2,284 (78.2%) | 0.025 |
| White | 323 (10.7%) | 11 (16.2%) | 312 (10.6%) | 384 (12.8%) | 17 (19.7%) | 367 (12.6%) | -0.071 |
| Anti-epileptic drugs | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 7 (0.2%) | 0 (0.2%) | 7 (0.2%) | 0.032 |
| Anticoagulants | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.06 |
| Antidepressants | 35 (1.2%) | 0 (0.0%) | 35 (1.2%) | 31 (1.0%) | 1 (1.4%) | 30 (1.0%) | 0.012 |
| Beta blockers | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | -0.005 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 28 (0.9%) | 2 (2.9%) | 26 (0.9%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.121 |
| Corticosteroids | 183 (6.1%) | 2 (2.9%) | 181 (6.2%) | 178 (5.9%) | 7 (7.7%) | 172 (5.9%) | 0.007 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 8b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | Matched CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 177 (5.9%) | 2 (2.9%) | 175 (6.0%) | 10 (0.3%) | 0 (0.4%) | 10 (0.3%) | 0.325 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 29 (1.0%) | 2 (2.9%) | 27 (0.9%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.136 |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.034 |
| Medroxyprogesterone | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.036 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 10 (0.3%) | 1 (1.5%) | 9 (0.3%) | 9 (0.3%) | 0 (0.1%) | 8 (0.3%) | 0.009 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 20 (0.7%) | 0 (0.0%) | 20 (0.7%) | 1 (0.0%) | 0 (0.1%) | 1 (0.0%) | 0.107 |
| Short-acting gonadorelin | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.084 |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.022 |
| Short-acting leuprolide acetate | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 1 (0.0%) | 0 (0.1%) | 1 (0.0%) | 0.035 |
| Short-acting nafarelin | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.056 |
| Statins | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 65.1% | 70.2% | 65.0% | 15.0% | 19.4% | 14.9% | 1.199 |
| Precocious Puberty | 24.4% | 19.3% | 24.6% | 3.4% | 2.7% | 3.4% | 0.644 |
| Routine Infant Or Child Health Check | 19.4% | 24.6% | 19.3% | 17.4% | 22.7% | 17.3% | 0.051 |

Table 8b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 10.8% | 10.5% | 10.8% | 10.7% | 15.0% | 10.6% | 0.002 |
| Acute Pharyngitis | 9.3% | 12.3% | 9.3% | 10.3% | 15.8% | 10.1% | -0.032 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 7.2% | 3.5% | 7.2% | 4.7% | 2.3% | 4.7% | 0.107 |
| Encounter For Immunization | 6.6% | 3.5% | 6.6% | 4.9% | 2.5% | 5.0% | 0.07 |
| Acute Uris Of Unspecified Site | 6.2% | 10.5% | 6.1% | 6.4% | 9.6% | 6.3% | -0.01 |
| Other Hyperfunction Of Pituitary Gland | 6.2% | 5.3% | 6.2% | 0.2% | 0.0% | 0.2% | 0.347 |
| Other Unknown & unspec Cause Morbidity/Mortality | 5.9% | 5.3% | 6.0% | 5.5% | 5.1% | 5.5% | 0.02 |
| Cough | 4.4% | 0.0% | 4.5% | 3.8% | 6.7% | 3.7% | 0.03 |
| Streptococcal Sore Throat | 3.4% | 5.3% | 3.4% | 3.7% | 5.3% | 3.7% | -0.016 |
| Unspecified Otitis Media | 3.3% | 3.5% | 3.3% | 3.1% | 5.9% | 3.1% | 0.01 |
| Acute Sinusitis, Unspecified | 3.2% | 5.3% | 3.1% | 2.2% | 3.9% | 2.2% | 0.061 |
| Fever Unspecified | 3.1% | 7.0% | 3.0% | 2.3% | 3.9% | 2.2% | 0.053 |
| Other Disorders Of Puberty | 3.1% | 0.0% | 3.1% | 1.0% | 0.3% | 1.1% | 0.144 |
| Acute Pharyngitis Unspecified | 3.0% | 3.5% | 3.0% | 3.0% | 1.3% | 3.0% | 0.001 |
| Allergic Rhinitis Cause Unspecified | 3.0% | 3.5% | 3.0% | 2.9% | 3.0% | 2.9% | 0.008 |
| Short Stature | 3.0% | 1.8% | 3.0% | 0.9% | 1.1% | 0.9% | 0.151 |
| Dietary Counseling And Surveillance | 2.5% | 1.8% | 2.6% | 1.1% | 0.4% | 1.1% | 0.114 |
| Examination Of Eyes And Vision | 2.2% | 3.5% | 2.2% | 2.0% | 2.7% | 1.9% | 0.016 |

Table 8b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Add Of Childhood With Hyperactivity | 2.1% | 3.5% | 2.1% | 1.4% | 2.3% | 1.4% | 0.054 |
| Dietary Surveillance And Counseling | 2.1% | 1.8% | 2.1% | 1.4% | 1.3% | 1.4% | 0.061 |
| Obesity, Unspecified | 2.1% | 3.5% | 2.1% | 0.9% | 0.9% | 0.9% | 0.1 |
| Other Adrenocortical Overactivity | 2.1% | 1.8% | 2.1% | 1.1% | 2.4% | 1.1% | 0.074 |
| Unspecified Viral Infection In Cce & Uns Site | 2.0% | 1.8% | 2.0% | 2.5% | 2.9% | 2.5% | -0.03 |
| Abdominal Pain, Unspecified Site | 2.0% | 1.8% | 2.0% | 1.9% | 3.8% | 1.9% | 0.004 |
| Headache | 1.9% | 1.8% | 1.9% | 1.5% | 2.3% | 1.5% | 0.036 |
| Exercise Counseling | 1.9% | 1.8% | 1.9% | 1.0% | 1.0% | 1.0% | 0.079 |
| Acute Upper Respiratory Infection Unspecified | 1.9% | 0.0% | 1.9% | 1.6% | 0.7% | 1.6% | 0.019 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.8% | 1.2% | 1.6% | 1.2% | 0.042 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 1.6% | 1.8% | 1.6% | 0.9% | 0.3% | 0.9% | 0.066 |
| Myopia | 1.5% | 0.0% | 1.6% | 1.2% | 0.8% | 1.2% | 0.03 |
| Abnormal Weight Gain | 1.5% | 0.0% | 1.5% | 0.5% | 0.8% | 0.5% | 0.097 |
| Other Specified Counseling | 1.5% | 1.8% | 1.5% | 0.4% | 0.3% | 0.4% | 0.117 |
| Streptococcal Pharyngitis | 1.5% | 0.0% | 1.5% | 1.3% | 0.6% | 1.3% | 0.016 |
| Urinary Tract Infection Site Not Specified | 1.5% | 1.8% | 1.4% | 1.1% | 2.5% | 1.0% | 0.034 |
| Other Specified Counseling | 1.5% | 1.8% | 1.4% | 1.0% | 0.8% | 1.0% | 0.05 |
| Pain In Soft Tissues Of Limb | 1.4% | 7.0% | 1.2% | 1.1% | 3.6% | 1.0% | 0.026 |
| Unspecified Constipation | 1.3% | 0.0% | 1.4% | 1.1% | 2.0% | 1.0% | 0.025 |

Table 8b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | | | | Weighted SMD (all) |
|---|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | Matched CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Contact Dermatitis&other Eczema Due Unspec Cause | 1.3% | 5.3% | 1.2% | 1.2% | 1.6% | 1.2% | 0.009 |
| Lack Normal Physiological Development Unspec | 1.3% | 1.8% | 1.2% | 0.3% | 0.3% | 0.3% | 0.113 |
| Unspecified Hypothyroidism | 1.2% | 0.0% | 1.2% | 0.3% | 0.1% | 0.3% | 0.1 |
| Hypermetropia | 1.1% | 0.0% | 1.1% | 1.0% | 1.5% | 1.0% | 0.005 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 1.1% | 1.8% | 1.0% | 0.7% | 0.3% | 0.7% | 0.035 |
| Short Stature Child | 1.1% | 0.0% | 1.1% | 0.2% | 0.0% | 0.2% | 0.102 |
| Cough | 1.0% | 1.8% | 1.0% | 1.2% | 0.4% | 1.2% | -0.015 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 1.0% | 1.8% | 1.0% | 0.5% | 0.1% | 0.5% | 0.055 |
| Add Childhood Without Mention Hyperactivity | 1.0% | 1.8% | 1.0% | 0.4% | 0.8% | 0.4% | 0.063 |
| Unspecified Otagia | 0.9% | 1.8% | 0.9% | 0.6% | 1.0% | 0.6% | 0.041 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 8.8% | 7.0% | 8.8% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.2% | 12.3% | 6.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 4.5% | 7.0% | 4.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.7% | 5.3% | 3.7% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.6% | 3.5% | 3.6% | 3.7% | 5.5% | 3.6% | -0.002 |
| Leuprolide Acetate | 3.6% | 7.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 3.1% | 5.3% | 3.0% | 0.1% | 0.3% | 0.1% | 0.245 |
| Leuprolide Acetate | 2.9% | 0.0% | 3.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.7% | 10.5% | 2.5% | 0.0% | 0.0% | 0.0% | - |
| Histrelin Acetate | 2.6% | 1.8% | 2.7% | 0.1% | 0.0% | 0.1% | 0.217 |
| Leuprolide Acetate | 2.6% | 5.3% | 2.5% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 1.6% | 3.5% | 1.5% | 1.5% | 1.3% | 1.5% | 0.01 |

Table 8b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|----------------------|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 1.5% | 3.5% | 1.4% | 1.4% | 2.6% | 1.3% | 0.008 |
| Amoxicillin | 1.3% | 0.0% | 1.3% | 1.2% | 1.8% | 1.1% | 0.012 |
| Amoxicillin | 1.2% | 0.0% | 1.2% | 1.1% | 1.8% | 1.1% | 0.008 |
| Azithromycin | 1.1% | 0.0% | 1.1% | 1.2% | 1.1% | 1.2% | -0.011 |
| Azithromycin | 0.7% | 0.0% | 0.7% | 0.5% | 0.7% | 0.5% | 0.028 |
| Lidocaine/Prilocaine | 0.6% | 0.0% | 0.7% | 0.0% | 0.0% | 0.0% | 0.102 |
| Cephalexin | 0.6% | 1.8% | 0.6% | 0.3% | 0.5% | 0.3% | 0.045 |
| Ciprofloxacin | 0.6% | 0.0% | 0.6% | 0.3% | 0.3% | 0.3% | 0.046 |
| Hcl/Dexamethasone | | | | | | | |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 8c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 228 (100.0%) | 2,788 (100.0%) | 3,016 (100.0%) | 250 (100.0%) | 2,766 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 994.4 (955.2) | 804.0 (724.8) | 1,009.9 (968.8) | 1,017.0 (1100.9) | 915.8 (856.2) | 1,026.1 (1117.3) | -0.022 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 8.1 (1.5) | 8.0 (1.8) | 8.0 (1.7) | 8.3 (1.6) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.9%) | 82 (2.7%) | 4 (1.5%) | 78 (2.8%) | 0 |
| 3-4 | 105 (3.5%) | 5 (2.2%) | 100 (3.6%) | 105 (3.5%) | 8 (3.3%) | 97 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 38 (16.7%) | 353 (12.7%) | 390 (12.9%) | 25 (10.1%) | 365 (13.2%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 118 (51.8%) | 1,448 (51.9%) | 1,566 (51.9%) | 125 (50.0%) | 1,441 (52.1%) | 0 |
| 9-10 | 872 (28.9%) | 67 (29.4%) | 805 (28.9%) | 873 (28.9%) | 88 (35.2%) | 785 (28.4%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.3%) | 7 (0.2%) | 1 (0.3%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 4 (1.8%) | 115 (4.1%) | 70 (2.3%) | 5 (1.8%) | 66 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 10 (4.4%) | 160 (5.7%) | 111 (3.7%) | 9 (3.4%) | 103 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 3 (1.3%) | 19 (0.7%) | 17 (0.6%) | 2 (0.8%) | 15 (0.5%) | 0.026 |
| Unknown | 2,371 (78.6%) | 173 (75.9%) | 2,198 (78.8%) | 2,417 (80.1%) | 180 (72.3%) | 2,236 (80.8%) | -0.049 |
| White | 327 (10.8%) | 38 (16.7%) | 289 (10.4%) | 393 (13.0%) | 53 (21.3%) | 340 (12.3%) | -0.077 |
| Anti-epileptic drugs | 13 (0.4%) | 0 (0.0%) | 13 (0.5%) | 3 (0.1%) | 0 (0.1%) | 3 (0.1%) | 0.062 |
| Anticoagulants | 8 (0.3%) | 2 (0.9%) | 6 (0.2%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.066 |
| Antidepressants | 35 (1.2%) | 2 (0.9%) | 33 (1.2%) | 18 (0.6%) | 2 (0.7%) | 17 (0.6%) | 0.059 |
| Beta blockers | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.006 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 29 (1.0%) | 6 (2.6%) | 23 (0.8%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.138 |
| Corticosteroids | 183 (6.1%) | 16 (7.0%) | 167 (6.0%) | 154 (5.1%) | 18 (7.1%) | 136 (4.9%) | 0.042 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 8c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 180 (6.0%) | 12 (5.3%) | 168 (6.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 29 (1.0%) | 4 (1.8%) | 25 (0.9%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Medroxyprogesterone | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.048 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 10 (0.3%) | 2 (0.9%) | 8 (0.3%) | 8 (0.3%) | 1 (0.6%) | 7 (0.2%) | 0.012 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 21 (0.7%) | 2 (0.9%) | 19 (0.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 10 (0.3%) | 2 (0.9%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 65.1% | 79.1% | 63.9% | 0.3% | 0.0% | 0.3% | 1.93 |
| Precocious Puberty | 24.5% | 13.1% | 25.5% | 0.1% | 0.0% | 0.1% | 0.808 |
| Routine Infant Or Child Health Check | 19.4% | 25.1% | 18.9% | 4.0% | 4.6% | 3.9% | 0.497 |

Table 8c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 10.8% | 10.5% | 10.8% | 5.3% | 7.0% | 5.1% | 0.207 |
| Acute Pharyngitis | 9.3% | 15.7% | 8.8% | 8.6% | 14.1% | 8.1% | 0.025 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 7.1% | 3.7% | 7.4% | 1.1% | 0.4% | 1.2% | 0.307 |
| Encounter For Immunization | 6.5% | 2.6% | 6.8% | 3.0% | 1.3% | 3.1% | 0.166 |
| Acute Uris Of Unspecified Site | 6.2% | 9.9% | 5.9% | 5.9% | 8.7% | 5.7% | 0.011 |
| Other Hyperfunction Of Pituitary Gland | 6.2% | 3.1% | 6.4% | 0.0% | 0.0% | 0.0% | - |
| Other Unknown & unspec Cause Morbidity/Mortality | 5.9% | 5.8% | 5.9% | 4.9% | 5.6% | 4.8% | 0.048 |
| Cough | 4.4% | 4.2% | 4.4% | 2.7% | 3.8% | 2.7% | 0.087 |
| Streptococcal Sore Throat | 3.4% | 5.2% | 3.3% | 3.0% | 4.8% | 2.9% | 0.022 |
| Unspecified Otitis Media | 3.3% | 2.6% | 3.3% | 2.9% | 4.1% | 2.8% | 0.022 |
| Acute Sinusitis, Unspecified | 3.2% | 7.3% | 2.8% | 1.6% | 3.0% | 1.5% | 0.102 |
| Fever Unspecified | 3.1% | 5.8% | 2.9% | 1.5% | 1.9% | 1.5% | 0.105 |
| Acute Pharyngitis Unspecified | 3.0% | 3.7% | 3.0% | 2.4% | 1.3% | 2.5% | 0.038 |
| Other Disorders Of Puberty | 3.0% | 0.5% | 3.2% | 0.0% | 0.0% | 0.0% | 0.249 |
| Allergic Rhinitis Cause Unspecified | 3.0% | 4.7% | 2.8% | 2.2% | 2.6% | 2.2% | 0.048 |
| Short Stature | 3.0% | 3.7% | 2.9% | 0.1% | 0.1% | 0.1% | 0.232 |
| Dietary Counseling And Surveillance | 2.6% | 1.0% | 2.7% | 0.3% | 0.0% | 0.3% | 0.205 |
| Add Of Childhood With Hyperactivity | 2.2% | 3.1% | 2.1% | 1.3% | 1.7% | 1.3% | 0.071 |
| Examination Of Eyes And Vision | 2.2% | 3.1% | 2.1% | 1.8% | 2.5% | 1.7% | 0.029 |

Table 8c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Dietary Surveillance And Counseling | 2.1% | 3.1% | 2.1% | 0.5% | 0.7% | 0.4% | 0.161 |
| Obesity, Unspecified | 2.1% | 3.7% | 2.0% | 0.3% | 0.4% | 0.3% | 0.171 |
| Other Adrenocortical Overactivity | 2.1% | 2.1% | 2.1% | 0.0% | 0.0% | 0.0% | 0.202 |
| Unspecified Viral Infection In Cce & Uns Site | 2.0% | 2.1% | 2.0% | 2.1% | 3.2% | 2.0% | -0.008 |
| Headache | 2.0% | 3.7% | 1.9% | 1.0% | 1.4% | 0.9% | 0.085 |
| Abdominal Pain, Unspecified Site | 2.0% | 2.1% | 2.0% | 1.5% | 2.3% | 1.5% | 0.034 |
| Exercise Counseling | 1.9% | 2.6% | 1.9% | 0.3% | 0.4% | 0.3% | 0.167 |
| Acute Upper Respiratory Infection Unspecified | 1.9% | 1.6% | 1.9% | 1.4% | 0.7% | 1.4% | 0.043 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.5% | 1.8% | 0.9% | 1.2% | 0.9% | 0.069 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 1.6% | 0.5% | 1.7% | 0.2% | 0.0% | 0.2% | 0.152 |
| Myopia | 1.5% | 2.6% | 1.4% | 1.3% | 1.5% | 1.3% | 0.017 |
| Streptococcal Pharyngitis | 1.5% | 2.1% | 1.5% | 1.2% | 0.7% | 1.2% | 0.029 |
| Other Specified Counseling | 1.5% | 2.1% | 1.5% | 0.3% | 0.6% | 0.3% | 0.135 |
| Other Specified Counseling | 1.5% | 1.0% | 1.5% | 0.2% | 0.0% | 0.2% | 0.156 |
| Abnormal Weight Gain | 1.5% | 2.6% | 1.4% | 0.1% | 0.2% | 0.1% | 0.157 |
| Urinary Tract Infection Site Not Specified | 1.5% | 5.8% | 1.1% | 1.0% | 2.1% | 0.9% | 0.044 |
| Unspecified Constipation | 1.3% | 2.6% | 1.2% | 0.6% | 0.6% | 0.6% | 0.075 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 1.3% | 3.1% | 1.1% | 0.9% | 1.3% | 0.9% | 0.037 |
| Pain In Soft Tissues Of Limb | 1.3% | 3.7% | 1.1% | 0.6% | 2.2% | 0.5% | 0.067 |

Table 8c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Lack Normal Physiological Development Unspec | 1.3% | 1.6% | 1.2% | 0.0% | 0.0% | 0.0% | 0.151 |
| Unspecified Hypothyroidism | 1.2% | 1.0% | 1.2% | 0.1% | 0.0% | 0.1% | 0.146 |
| Hypermetropia | 1.1% | 2.1% | 1.0% | 1.0% | 1.3% | 1.0% | 0.012 |
| Cough | 1.0% | 1.6% | 1.0% | 0.9% | 0.5% | 0.9% | 0.018 |
| Acute Suppurative Otitis Media W/O Spontaneous Rupture of Eardrum | 1.0% | 1.6% | 1.0% | 0.8% | 1.2% | 0.8% | 0.022 |
| Short Stature Child | 1.0% | 0.0% | 1.1% | 0.1% | 0.0% | 0.1% | 0.134 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 1.0% | 0.5% | 1.0% | 0.1% | 0.0% | 0.2% | 0.114 |
| Add Childhood Without Mention of Hyperactivity | 0.9% | 0.5% | 1.0% | 0.3% | 0.1% | 0.4% | 0.075 |
| Need Prophylactic Vaccination and Inoculation Against Viral Hepatitis | 0.9% | 0.5% | 0.9% | 0.3% | 0.3% | 0.3% | 0.073 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 8.7% | 4.7% | 9.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.2% | 10.5% | 5.8% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 4.4% | 4.7% | 4.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.7% | 1.6% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.6% | 5.2% | 3.5% | 3.2% | 3.3% | 3.2% | 0.025 |
| Leuprolide Acetate | 3.5% | 4.7% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 3.1% | 4.2% | 3.0% | 0.0% | 0.1% | 0.0% | 0.247 |
| Leuprolide Acetate | 2.9% | 2.6% | 2.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.7% | 4.2% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Histrelin Acetate | 2.6% | 3.1% | 2.6% | 0.0% | 0.0% | 0.0% | 0.233 |
| Leuprolide Acetate | 2.6% | 6.3% | 2.3% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 1.6% | 1.6% | 1.6% | 1.2% | 1.7% | 1.2% | 0.03 |
| Amoxicillin | 1.5% | 1.6% | 1.4% | 1.6% | 1.7% | 1.6% | -0.014 |

Table 8c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 1.3% | 0.5% | 1.4% | 0.7% | 0.6% | 0.7% | 0.057 |
| Amoxicillin | 1.2% | 0.5% | 1.2% | 0.7% | 0.5% | 0.7% | 0.045 |
| Azithromycin | 1.1% | 0.5% | 1.2% | 0.8% | 0.9% | 0.8% | 0.03 |
| Azithromycin | 0.7% | 2.1% | 0.6% | 0.4% | 0.5% | 0.4% | 0.044 |
| Azithromycin | 0.6% | 0.5% | 0.7% | 0.2% | 0.1% | 0.2% | 0.066 |
| Lidocaine/Prilocaine | 0.6% | 0.0% | 0.7% | 0.0% | 0.0% | 0.0% | 0.106 |
| Ciprofloxacin | 0.6% | 0.5% | 0.6% | 0.3% | 0.4% | 0.3% | 0.046 |
| Hcl/Dexamethasone | | | | | | | |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 8d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.7) | 1,726.0 (.) | 1,118.0 (1171.6) | -0.04 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 8.9 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (50.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (50.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (50.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (50.0%) | 393 (13.0%) | -0.077 |
| Anti-epileptic drugs | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.062 |
| Anticoagulants | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.066 |
| Antidepressants | 35 (1.2%) | 0 (0.0%) | 35 (1.2%) | 18 (0.6%) | 0 (0.0%) | 18 (0.6%) | 0.059 |
| Beta blockers | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.006 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.138 |
| Corticosteroids | 183 (6.1%) | 0 (0.0%) | 183 (6.1%) | 154 (5.1%) | 0 (0.0%) | 154 (5.1%) | 0.042 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 8d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 180 (6.0%) | 0 (0.0%) | 180 (6.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Medroxyprogesterone | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.048 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0.012 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 21 (0.7%) | 0 (0.0%) | 21 (0.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 65.1% | 0.0% | 65.1% | 0.3% | 0.0% | 0.3% | 1.93 |
| Precocious Puberty | 24.5% | 0.0% | 24.5% | 0.1% | 0.0% | 0.1% | 0.808 |
| Routine Infant Or Child Health Check | 19.4% | 0.0% | 19.4% | 4.0% | 0.0% | 4.0% | 0.497 |

Table 8d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 10.8% | 0.0% | 10.8% | 5.3% | 0.0% | 5.3% | 0.207 |
| Acute Pharyngitis | 9.3% | 0.0% | 9.3% | 8.6% | 50.0% | 8.6% | 0.025 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 7.1% | 0.0% | 7.1% | 1.1% | 0.0% | 1.1% | 0.307 |
| Encounter For Immunization | 6.5% | 0.0% | 6.5% | 3.0% | 0.0% | 3.0% | 0.166 |
| Acute Uris Of Unspecified Site | 6.2% | 0.0% | 6.2% | 5.9% | 0.0% | 5.9% | 0.011 |
| Other Hyperfunction Of Pituitary Gland | 6.2% | 0.0% | 6.2% | 0.0% | 0.0% | 0.0% | - |
| Other Unknown & unspec Cause Morbidity/Mortality | 5.9% | 0.0% | 5.9% | 4.9% | 0.0% | 4.9% | 0.048 |
| Cough | 4.4% | 0.0% | 4.4% | 2.7% | 0.0% | 2.8% | 0.087 |
| Streptococcal Sore Throat | 3.4% | 0.0% | 3.4% | 3.0% | 0.0% | 3.0% | 0.022 |
| Unspecified Otitis Media | 3.3% | 0.0% | 3.3% | 2.9% | 0.0% | 2.9% | 0.022 |
| Acute Sinusitis, Unspecified | 3.2% | 0.0% | 3.2% | 1.6% | 0.0% | 1.6% | 0.102 |
| Fever Unspecified | 3.1% | 0.0% | 3.1% | 1.5% | 0.0% | 1.5% | 0.105 |
| Acute Pharyngitis Unspecified | 3.0% | 0.0% | 3.0% | 2.4% | 0.0% | 2.4% | 0.038 |
| Other Disorders Of Puberty | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% | 0.0% | 0.249 |
| Allergic Rhinitis Cause Unspecified | 3.0% | 0.0% | 3.0% | 2.2% | 0.0% | 2.2% | 0.048 |
| Short Stature | 3.0% | 0.0% | 3.0% | 0.1% | 0.0% | 0.1% | 0.232 |
| Dietary Counseling And Surveillance | 2.6% | 0.0% | 2.6% | 0.3% | 0.0% | 0.3% | 0.205 |
| Add Of Childhood With Hyperactivity | 2.2% | 0.0% | 2.2% | 1.3% | 0.0% | 1.3% | 0.071 |
| Examination Of Eyes And Vision | 2.2% | 0.0% | 2.2% | 1.8% | 0.0% | 1.8% | 0.029 |

Table 8d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Dietary Surveillance And Counseling | 2.1% | 0.0% | 2.1% | 0.5% | 0.0% | 0.5% | 0.161 |
| Obesity, Unspecified | 2.1% | 0.0% | 2.1% | 0.3% | 0.0% | 0.3% | 0.171 |
| Other Adrenocortical Overactivity | 2.1% | 0.0% | 2.1% | 0.0% | 0.0% | 0.0% | 0.202 |
| Unspecified Viral Infection In Cce & Uns Site | 2.0% | 0.0% | 2.0% | 2.1% | 0.0% | 2.1% | -0.008 |
| Headache | 2.0% | 0.0% | 2.0% | 1.0% | 0.0% | 1.0% | 0.085 |
| Abdominal Pain, Unspecified Site | 2.0% | 0.0% | 2.0% | 1.5% | 0.0% | 1.5% | 0.034 |
| Exercise Counseling | 1.9% | 0.0% | 1.9% | 0.3% | 0.0% | 0.3% | 0.167 |
| Acute Upper Respiratory Infection Unspecified | 1.9% | 0.0% | 1.9% | 1.4% | 0.0% | 1.4% | 0.043 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.7% | 0.9% | 0.0% | 0.9% | 0.069 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 1.6% | 0.0% | 1.6% | 0.2% | 0.0% | 0.2% | 0.152 |
| Myopia | 1.5% | 0.0% | 1.5% | 1.3% | 0.0% | 1.3% | 0.017 |
| Streptococcal Pharyngitis | 1.5% | 0.0% | 1.5% | 1.2% | 0.0% | 1.2% | 0.029 |
| Other Specified Counseling | 1.5% | 0.0% | 1.5% | 0.3% | 0.0% | 0.3% | 0.135 |
| Other Specified Counseling | 1.5% | 0.0% | 1.5% | 0.2% | 0.0% | 0.2% | 0.156 |
| Abnormal Weight Gain | 1.5% | 0.0% | 1.5% | 0.1% | 0.0% | 0.1% | 0.157 |
| Urinary Tract Infection Site Not Specified | 1.5% | 0.0% | 1.5% | 1.0% | 0.0% | 1.0% | 0.044 |
| Unspecified Constipation | 1.3% | 0.0% | 1.3% | 0.6% | 0.0% | 0.6% | 0.075 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 1.3% | 0.0% | 1.3% | 0.9% | 0.0% | 0.9% | 0.037 |
| Pain In Soft Tissues Of Limb | 1.3% | 0.0% | 1.3% | 0.6% | 0.0% | 0.6% | 0.067 |

Table 8d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Lack Normal Physiological Development Unspec | 1.3% | 0.0% | 1.3% | 0.0% | 0.0% | 0.0% | 0.151 |
| Unspecified Hypothyroidism | 1.2% | 0.0% | 1.2% | 0.1% | 0.0% | 0.1% | 0.146 |
| Hypermetropia | 1.1% | 0.0% | 1.1% | 1.0% | 0.0% | 1.0% | 0.012 |
| Cough | 1.0% | 0.0% | 1.0% | 0.9% | 0.0% | 0.9% | 0.018 |
| Acut Supratv Otitis Media W/O Spont Rup Eardrum | 1.0% | 0.0% | 1.0% | 0.8% | 0.0% | 0.8% | 0.022 |
| Short Stature Child | 1.0% | 0.0% | 1.0% | 0.1% | 0.0% | 0.1% | 0.134 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 1.0% | 0.0% | 1.0% | 0.1% | 0.0% | 0.1% | 0.114 |
| Add Childhood Without Mention Hyperactivity | 0.9% | 0.0% | 0.9% | 0.3% | 0.0% | 0.3% | 0.075 |
| Need Proph Vacc&inoculat Against Viral Hep | 0.9% | 0.0% | 0.9% | 0.3% | 0.0% | 0.3% | 0.073 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 8.7% | 0.0% | 8.7% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.2% | 0.0% | 6.2% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 4.4% | 0.0% | 4.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.7% | 0.0% | 3.7% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.6% | 0.0% | 3.6% | 3.2% | 0.0% | 3.2% | 0.025 |
| Leuprolide Acetate | 3.5% | 0.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 3.1% | 0.0% | 3.1% | 0.0% | 0.0% | 0.0% | 0.247 |
| Leuprolide Acetate | 2.9% | 0.0% | 2.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.7% | 0.0% | 2.7% | 0.0% | 0.0% | 0.0% | - |
| Histrelin Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | 0.233 |
| Leuprolide Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 1.6% | 0.0% | 1.6% | 1.2% | 0.0% | 1.2% | 0.03 |
| Amoxicillin | 1.5% | 0.0% | 1.5% | 1.6% | 0.0% | 1.6% | -0.014 |

Table 8d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 1.3% | 0.0% | 1.3% | 0.7% | 0.0% | 0.7% | 0.057 |
| Amoxicillin | 1.2% | 0.0% | 1.2% | 0.7% | 0.0% | 0.7% | 0.045 |
| Azithromycin | 1.1% | 0.0% | 1.1% | 0.8% | 0.0% | 0.8% | 0.03 |
| Azithromycin | 0.7% | 0.0% | 0.7% | 0.4% | 0.0% | 0.4% | 0.044 |
| Azithromycin | 0.6% | 0.0% | 0.6% | 0.2% | 0.0% | 0.2% | 0.066 |
| Lidocaine/Prilocaine | 0.6% | 0.0% | 0.6% | 0.0% | 0.0% | 0.0% | 0.106 |
| Ciprofloxacin | 0.6% | 0.0% | 0.6% | 0.3% | 0.0% | 0.3% | 0.046 |
| Hcl/Dexamethasone | | | | | | | |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 8e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.6) | 3,557.0 (.) | 1,118.0 (1171.6) | -0.04 |
| | Characteristics | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 4.6 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (100.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (0.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (100.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (0.0%) | 393 (13.0%) | -0.077 |
| Anti-epileptic drugs | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.062 |
| Anticoagulants | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.066 |
| Antidepressants | 35 (1.2%) | 0 (0.0%) | 35 (1.2%) | 18 (0.6%) | 0 (0.0%) | 18 (0.6%) | 0.059 |
| Beta blockers | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.006 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.138 |
| Corticosteroids | 183 (6.1%) | 0 (0.0%) | 183 (6.1%) | 154 (5.1%) | 0 (0.0%) | 154 (5.1%) | 0.042 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 8e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 180 (6.0%) | 0 (0.0%) | 180 (6.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Medroxyprogesterone | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.048 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0.012 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 21 (0.7%) | 0 (0.0%) | 21 (0.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 65.1% | 0.0% | 65.1% | 0.3% | 0.0% | 0.3% | 1.93 |
| Precocious Puberty | 24.5% | 0.0% | 24.5% | 0.1% | 0.0% | 0.1% | 0.808 |
| Routine Infant Or Child Health Check | 19.4% | 0.0% | 19.4% | 4.0% | 100.0% | 4.0% | 0.497 |

Table 8e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 10.8% | 0.0% | 10.8% | 5.3% | 0.0% | 5.3% | 0.207 |
| Acute Pharyngitis | 9.3% | 0.0% | 9.3% | 8.6% | 100.0% | 8.6% | 0.025 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 7.1% | 0.0% | 7.1% | 1.1% | 0.0% | 1.1% | 0.307 |
| Encounter For Immunization | 6.5% | 0.0% | 6.5% | 3.0% | 0.0% | 3.0% | 0.166 |
| Acute Uris Of Unspecified Site | 6.2% | 0.0% | 6.2% | 5.9% | 100.0% | 5.9% | 0.011 |
| Other Hyperfunction Of Pituitary Gland | 6.2% | 0.0% | 6.2% | 0.0% | 0.0% | 0.0% | - |
| Other Unknown & unspec Cause Morbidity/Mortality | 5.9% | 0.0% | 5.9% | 4.9% | 0.0% | 4.9% | 0.048 |
| Cough | 4.4% | 0.0% | 4.4% | 2.7% | 0.0% | 2.8% | 0.087 |
| Streptococcal Sore Throat | 3.4% | 0.0% | 3.4% | 3.0% | 100.0% | 3.0% | 0.022 |
| Unspecified Otitis Media | 3.3% | 0.0% | 3.3% | 2.9% | 0.0% | 2.9% | 0.022 |
| Acute Sinusitis, Unspecified | 3.2% | 0.0% | 3.2% | 1.6% | 0.0% | 1.6% | 0.102 |
| Fever Unspecified | 3.1% | 0.0% | 3.1% | 1.5% | 0.0% | 1.5% | 0.105 |
| Acute Pharyngitis Unspecified | 3.0% | 0.0% | 3.0% | 2.4% | 0.0% | 2.4% | 0.038 |
| Other Disorders Of Puberty | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% | 0.0% | 0.249 |
| Allergic Rhinitis Cause Unspecified | 3.0% | 0.0% | 3.0% | 2.2% | 0.0% | 2.2% | 0.048 |
| Short Stature | 3.0% | 0.0% | 3.0% | 0.1% | 0.0% | 0.1% | 0.232 |
| Dietary Counseling And Surveillance | 2.6% | 0.0% | 2.6% | 0.3% | 0.0% | 0.3% | 0.205 |
| Add Of Childhood With Hyperactivity | 2.2% | 0.0% | 2.2% | 1.3% | 0.0% | 1.3% | 0.071 |
| Examination Of Eyes And Vision | 2.2% | 0.0% | 2.2% | 1.8% | 0.0% | 1.8% | 0.029 |

Table 8e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Dietary Surveillance And Counseling | 2.1% | 0.0% | 2.1% | 0.5% | 0.0% | 0.5% | 0.161 |
| Obesity, Unspecified | 2.1% | 0.0% | 2.1% | 0.3% | 0.0% | 0.3% | 0.171 |
| Other Adrenocortical Overactivity | 2.1% | 0.0% | 2.1% | 0.0% | 0.0% | 0.0% | 0.202 |
| Unspecified Viral Infection In Cce & Uns Site | 2.0% | 0.0% | 2.0% | 2.1% | 0.0% | 2.1% | -0.008 |
| Headache | 2.0% | 0.0% | 2.0% | 1.0% | 0.0% | 1.0% | 0.085 |
| Abdominal Pain, Unspecified Site | 2.0% | 0.0% | 2.0% | 1.5% | 0.0% | 1.5% | 0.034 |
| Exercise Counseling | 1.9% | 0.0% | 1.9% | 0.3% | 0.0% | 0.3% | 0.167 |
| Acute Upper Respiratory Infection Unspecified | 1.9% | 0.0% | 1.9% | 1.4% | 0.0% | 1.4% | 0.043 |
| Asthma, Unspecified, Unspecified Status | 1.7% | 0.0% | 1.7% | 0.9% | 0.0% | 0.9% | 0.069 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 1.6% | 0.0% | 1.6% | 0.2% | 0.0% | 0.2% | 0.152 |
| Myopia | 1.5% | 0.0% | 1.5% | 1.3% | 0.0% | 1.3% | 0.017 |
| Streptococcal Pharyngitis | 1.5% | 0.0% | 1.5% | 1.2% | 0.0% | 1.2% | 0.029 |
| Other Specified Counseling | 1.5% | 0.0% | 1.5% | 0.3% | 0.0% | 0.3% | 0.135 |
| Other Specified Counseling | 1.5% | 0.0% | 1.5% | 0.2% | 0.0% | 0.2% | 0.156 |
| Abnormal Weight Gain | 1.5% | 0.0% | 1.5% | 0.1% | 0.0% | 0.1% | 0.157 |
| Urinary Tract Infection Site Not Specified | 1.5% | 0.0% | 1.5% | 1.0% | 0.0% | 1.0% | 0.044 |
| Unspecified Constipation | 1.3% | 0.0% | 1.3% | 0.6% | 0.0% | 0.6% | 0.075 |
| Contact Dermatitis&other Eczema Due Unspec Cause | 1.3% | 0.0% | 1.3% | 0.9% | 0.0% | 0.9% | 0.037 |
| Pain In Soft Tissues Of Limb | 1.3% | 0.0% | 1.3% | 0.6% | 0.0% | 0.6% | 0.067 |

Table 8e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Lack Normal Physiological Development Unspec | 1.3% | 0.0% | 1.3% | 0.0% | 0.0% | 0.0% | 0.151 |
| Unspecified Hypothyroidism | 1.2% | 0.0% | 1.2% | 0.1% | 0.0% | 0.1% | 0.146 |
| Hypermetropia | 1.1% | 0.0% | 1.1% | 1.0% | 100.0% | 1.0% | 0.012 |
| Cough | 1.0% | 0.0% | 1.0% | 0.9% | 0.0% | 0.9% | 0.018 |
| Acute Suppurative Otitis Media W/O Spontaneous Rupture of Eardrum | 1.0% | 0.0% | 1.0% | 0.8% | 0.0% | 0.8% | 0.022 |
| Short Stature Child | 1.0% | 0.0% | 1.0% | 0.1% | 0.0% | 0.1% | 0.134 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 1.0% | 0.0% | 1.0% | 0.1% | 0.0% | 0.1% | 0.114 |
| Add Childhood Without Mention of Hyperactivity | 0.9% | 0.0% | 0.9% | 0.3% | 0.0% | 0.3% | 0.075 |
| Need Prophylactic Vaccination and Inoculation Against Viral Hepatitis | 0.9% | 0.0% | 0.9% | 0.3% | 0.0% | 0.3% | 0.073 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 8.7% | 0.0% | 8.7% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.2% | 0.0% | 6.2% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 4.4% | 0.0% | 4.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.7% | 0.0% | 3.7% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.6% | 0.0% | 3.6% | 3.2% | 0.0% | 3.2% | 0.025 |
| Leuprolide Acetate | 3.5% | 0.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 3.1% | 0.0% | 3.1% | 0.0% | 0.0% | 0.0% | 0.247 |
| Leuprolide Acetate | 2.9% | 0.0% | 2.9% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 2.7% | 0.0% | 2.7% | 0.0% | 0.0% | 0.0% | - |
| Histrelin Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | 0.233 |
| Leuprolide Acetate | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 1.6% | 0.0% | 1.6% | 1.2% | 0.0% | 1.2% | 0.03 |
| Amoxicillin | 1.5% | 0.0% | 1.5% | 1.6% | 100.0% | 1.6% | -0.014 |

Table 8e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 183 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 1.3% | 0.0% | 1.3% | 0.7% | 0.0% | 0.7% | 0.057 |
| Amoxicillin | 1.2% | 0.0% | 1.2% | 0.7% | 0.0% | 0.7% | 0.045 |
| Azithromycin | 1.1% | 0.0% | 1.1% | 0.8% | 0.0% | 0.8% | 0.03 |
| Azithromycin | 0.7% | 0.0% | 0.7% | 0.4% | 0.0% | 0.4% | 0.044 |
| Azithromycin | 0.6% | 0.0% | 0.6% | 0.2% | 0.0% | 0.2% | 0.066 |
| Lidocaine/Prilocaine | 0.6% | 0.0% | 0.6% | 0.0% | 0.0% | 0.0% | 0.106 |
| Ciprofloxacin | 0.6% | 0.0% | 0.6% | 0.3% | 0.0% | 0.3% | 0.046 |
| Hcl/Dexamethasone | | | | | | | |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 9a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 68 (100.0%) | 2,948 (100.0%) | 3,016 (100.0%) | 88 (100.0%) | 2,928 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.5 (992.7) | 704.1 (613.1) | 1,057.5 (998.5) | 1,081.0 (1150.5) | 728.2 (692.8) | 1,091.7 (1158.8) | -0.029 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.1 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.8%) | 82 (2.7%) | 2 (1.9%) | 80 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 1 (1.5%) | 104 (3.5%) | 105 (3.5%) | 4 (4.6%) | 101 (3.4%) | 0 |
| 5-6 | 391 (13.0%) | 14 (20.6%) | 377 (12.8%) | 390 (12.9%) | 9 (10.6%) | 381 (13.0%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 40 (58.8%) | 1,526 (51.8%) | 1,566 (51.9%) | 45 (51.0%) | 1,521 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 13 (19.1%) | 859 (29.1%) | 873 (28.9%) | 28 (31.8%) | 845 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.2%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 1 (1.5%) | 118 (4.0%) | 70 (2.3%) | 1 (1.2%) | 69 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 2 (2.9%) | 168 (5.7%) | 111 (3.7%) | 2 (2.4%) | 109 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 1 (1.5%) | 21 (0.7%) | 17 (0.6%) | 1 (0.6%) | 16 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 53 (77.9%) | 2,318 (78.6%) | 2,417 (80.1%) | 65 (73.8%) | 2,352 (80.3%) | -0.049 |
| White | 327 (10.8%) | 11 (16.2%) | 316 (10.7%) | 393 (13.0%) | 19 (21.7%) | 374 (12.8%) | -0.077 |
| Anti-epileptic drugs | 36 (1.2%) | 2 (2.9%) | 34 (1.2%) | 10 (0.3%) | 1 (0.6%) | 10 (0.3%) | 0.099 |
| Anticoagulants | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 2 (0.0%) | 0 (0.0%) | 2 (0.1%) | 0.078 |
| Antidepressants | 65 (2.2%) | 0 (0.0%) | 65 (2.2%) | 37 (1.2%) | 2 (1.7%) | 36 (1.2%) | 0.071 |
| Beta blockers | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 3 (0.1%) | 0 (0.3%) | 3 (0.1%) | 0.034 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 54 (1.8%) | 3 (4.4%) | 51 (1.7%) | 2 (0.1%) | 0 (0.2%) | 2 (0.1%) | 0.18 |
| Corticosteroids | 459 (15.2%) | 15 (22.1%) | 444 (15.1%) | 366 (12.1%) | 17 (19.0%) | 349 (11.9%) | 0.09 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 9a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 281 (9.3%) | 5 (7.4%) | 276 (9.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.455 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 42 (1.4%) | 3 (4.4%) | 39 (1.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.036 |
| Medroxyprogesterone | 12 (0.4%) | 0 (0.0%) | 12 (0.4%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.08 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 25 (0.8%) | 1 (1.5%) | 24 (0.8%) | 23 (0.8%) | 1 (1.2%) | 22 (0.8%) | 0.007 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.019 |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.7% | 75.4% | 66.5% | 0.7% | 0.1% | 0.7% | 1.969 |
| Routine Infant Or Child Health Check | 43.7% | 52.6% | 43.5% | 33.7% | 49.8% | 33.2% | 0.209 |
| Precocious Puberty | 34.0% | 31.6% | 34.1% | 0.2% | 0.1% | 0.2% | 1.024 |

Table 9a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 24.8% | 29.8% | 24.7% | 15.8% | 22.6% | 15.6% | 0.23 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 20.8% | 19.3% | 20.8% | 11.1% | 7.8% | 11.2% | 0.274 |
| Acute Pharyngitis | 20.3% | 24.6% | 20.2% | 20.8% | 33.4% | 20.4% | -0.012 |
| Encounter For Immunization | 18.9% | 10.5% | 19.1% | 10.4% | 8.2% | 10.5% | 0.242 |
| Acute Uris Of Unspecified Site | 14.4% | 17.5% | 14.4% | 14.4% | 25.5% | 14.1% | 0 |
| Cough | 10.0% | 10.5% | 10.0% | 8.0% | 12.3% | 7.8% | 0.073 |
| Other Hyperfunction Of Pituitary Gland | 9.7% | 10.5% | 9.7% | 0.0% | 0.0% | 0.0% | 0.467 |
| Other Unknown&unspec Cause Morbidity/Mortality | 9.5% | 10.5% | 9.5% | 7.5% | 10.1% | 7.4% | 0.086 |
| Acute Pharyngitis Unspecified | 9.1% | 8.8% | 9.1% | 6.2% | 5.6% | 6.2% | 0.11 |
| Streptococcal Sore Throat | 9.0% | 15.8% | 8.8% | 8.6% | 12.8% | 8.4% | 0.014 |
| Allergic Rhinitis Cause Unspecified | 7.5% | 5.3% | 7.5% | 5.6% | 8.9% | 5.5% | 0.077 |
| Fever Unspecified | 7.4% | 10.5% | 7.3% | 4.8% | 7.0% | 4.7% | 0.108 |
| Unspecified Otitis Media | 7.3% | 10.5% | 7.2% | 6.7% | 11.1% | 6.6% | 0.022 |
| Dietary Counseling And Surveillance | 6.9% | 5.3% | 6.9% | 2.4% | 1.9% | 2.4% | 0.237 |
| Acute Sinusitis, Unspecified | 6.5% | 7.0% | 6.5% | 4.8% | 9.1% | 4.6% | 0.076 |
| Unspecified Viral Infection In Cce & Uns Site | 6.4% | 5.3% | 6.4% | 6.3% | 10.4% | 6.2% | 0.003 |
| Examination Of Eyes And Vision | 6.0% | 7.0% | 5.9% | 5.5% | 6.7% | 5.4% | 0.022 |
| Acute Upper Respiratory Infection Unspecified | 5.9% | 0.0% | 6.0% | 3.9% | 2.6% | 3.9% | 0.094 |
| Short Stature | 5.5% | 7.0% | 5.5% | 0.3% | 0.3% | 0.3% | 0.315 |

Table 9a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Headache | 5.5% | 15.8% | 5.2% | 3.2% | 4.5% | 3.2% | 0.113 |
| Abdominal Pain, Unspecified Site | 5.3% | 7.0% | 5.3% | 4.6% | 6.3% | 4.5% | 0.034 |
| Myopia | 4.6% | 1.8% | 4.6% | 3.9% | 4.5% | 3.8% | 0.035 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 4.5% | 7.0% | 4.4% | 3.0% | 4.9% | 2.9% | 0.081 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 4.5% | 1.8% | 4.5% | 1.6% | 1.6% | 1.6% | 0.166 |
| Urinary Tract Infection Site Not Specified | 4.4% | 7.0% | 4.3% | 3.3% | 5.7% | 3.2% | 0.057 |
| Dietary Surveillance And Counseling | 4.4% | 3.5% | 4.4% | 2.6% | 3.8% | 2.6% | 0.113 |
| Other Specified Counseling | 4.4% | 5.3% | 4.3% | 0.8% | 0.1% | 0.8% | 0.287 |
| Other Disorders Of Puberty | 4.3% | 0.0% | 4.4% | 0.0% | 0.0% | 0.0% | 0.297 |
| Asthma, Unspecified, Unspecified Status | 4.3% | 5.3% | 4.3% | 2.8% | 4.0% | 2.8% | 0.078 |
| Fever Unspecified | 4.3% | 5.3% | 4.3% | 2.8% | 2.7% | 2.8% | 0.08 |
| Obesity, Unspecified | 4.2% | 5.3% | 4.2% | 1.0% | 1.6% | 1.0% | 0.207 |
| Cough | 4.1% | 5.3% | 4.0% | 2.8% | 3.1% | 2.8% | 0.071 |
| Streptococcal Pharyngitis | 4.0% | 1.8% | 4.1% | 3.3% | 3.0% | 3.3% | 0.041 |
| Add Of Childhood With Hyperactivity | 4.0% | 7.0% | 4.0% | 2.4% | 3.0% | 2.4% | 0.093 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 4.0% | 5.3% | 4.0% | 3.3% | 5.3% | 3.2% | 0.039 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 4.0% | 12.3% | 3.8% | 3.6% | 4.8% | 3.5% | 0.02 |
| Exercise Counseling | 4.0% | 3.5% | 4.0% | 1.8% | 2.7% | 1.8% | 0.147 |
| Abnormal Weight Gain | 3.7% | 0.0% | 3.8% | 0.5% | 1.1% | 0.4% | 0.23 |

Table 9a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Acute Bronchitis | 3.5% | 5.3% | 3.5% | 2.6% | 4.2% | 2.5% | 0.056 |
| Other Acne | 3.4% | 1.8% | 3.4% | 0.7% | 1.6% | 0.7% | 0.187 |
| Unspecified Constipation | 3.3% | 0.0% | 3.4% | 1.5% | 1.5% | 1.5% | 0.119 |
| Hypermetropia | 3.2% | 1.8% | 3.3% | 2.6% | 3.4% | 2.5% | 0.041 |
| Other Adrenocortical Overactivity | 3.2% | 1.8% | 3.3% | 0.1% | 0.0% | 0.1% | 0.252 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.9% | 0.0% | 3.0% | 2.3% | 3.0% | 2.3% | 0.04 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 2.9% | 0.0% | 3.0% | 0.8% | 0.1% | 0.9% | 0.165 |
| Pain In Soft Tissues Of Limb | 2.7% | 14.0% | 2.4% | 1.9% | 6.8% | 1.7% | 0.057 |
| Unspecified Otagia | 2.6% | 7.0% | 2.5% | 1.6% | 3.1% | 1.6% | 0.069 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.5% | 8.8% | 10.6% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 8.4% | 14.0% | 8.3% | 7.1% | 8.7% | 7.1% | 0.049 |
| Leuprolide Acetate | 7.2% | 14.0% | 7.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.8% | 10.5% | 6.7% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 4.6% | 7.0% | 4.5% | 0.1% | 0.3% | 0.1% | 0.302 |
| Histrelin Acetate | 4.1% | 3.5% | 4.1% | 0.0% | 0.0% | 0.0% | 0.294 |
| Azithromycin | 4.0% | 3.5% | 4.0% | 2.2% | 3.3% | 2.2% | 0.101 |
| Leuprolide Acetate | 4.0% | 5.3% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 3.9% | 8.8% | 3.8% | 3.1% | 4.5% | 3.0% | 0.046 |
| Leuprolide Acetate | 3.9% | 7.0% | 3.8% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.8% | 1.8% | 3.9% | 2.2% | 3.1% | 2.2% | 0.095 |
| Leuprolide Acetate | 3.5% | 7.0% | 3.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.3% | 3.5% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Ciprofloxacin | 3.2% | 5.3% | 3.1% | 1.8% | 4.0% | 1.7% | 0.089 |
| Hcl/Dexamethasone | | | | | | | |

Table 9a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--------------------|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 3.1% | 8.8% | 3.0% | 3.7% | 6.0% | 3.6% | -0.03 |
| Amoxicillin | 3.1% | 0.0% | 3.2% | 2.4% | 2.3% | 2.4% | 0.045 |
| Azithromycin | 3.0% | 1.8% | 3.1% | 2.1% | 2.7% | 2.1% | 0.058 |
| Leuprolide Acetate | 2.7% | 10.5% | 2.5% | 0.0% | 0.0% | 0.0% | - |
| Cephalexin | 1.7% | 1.8% | 1.7% | 1.4% | 2.5% | 1.4% | 0.022 |
| Albuterol Sulfate | 1.5% | 0.0% | 1.5% | 0.6% | 0.3% | 0.6% | 0.088 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 9b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|----------------------|---------------|------------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,007 (100.0%) | 68 (100.0%) | 2,939 (100.0%) | 3,007 (100.0%) | 85 (100.0%) | 2,922 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.6 (992.6) | 704.1 (613.1) | 1,057.6 (998.5) | 1,085.3 (1026.9) | 670.8 (610.8) | 1,097.3 (1033.0) | -0.035 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 81 (2.7%) | 0 (0.0%) | 81 (2.8%) | 84 (2.8%) | 2 (2.4%) | 81 (2.8%) | -0.005 |
| 3-4 | 104 (3.5%) | 1 (1.5%) | 103 (3.5%) | 101 (3.4%) | 4 (4.4%) | 97 (3.3%) | 0.006 |
| 5-6 | 387 (12.9%) | 14 (20.6%) | 373 (12.7%) | 391 (13.0%) | 11 (13.4%) | 380 (13.0%) | -0.004 |
| 7-8 | 1,564 (52.0%) | 40 (58.8%) | 1,524 (51.9%) | 1,558 (51.8%) | 45 (53.2%) | 1,513 (51.8%) | 0.004 |
| 9-10 | 871 (29.0%) | 13 (19.1%) | 858 (29.2%) | 874 (29.1%) | 23 (26.7%) | 851 (29.1%) | -0.002 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 9 (0.3%) | 0 (0.1%) | 9 (0.3%) | -0.015 |
| Asian | 117 (3.9%) | 1 (1.5%) | 116 (3.9%) | 65 (2.2%) | 2 (2.7%) | 63 (2.2%) | 0.11 |
| Black or African American | 169 (5.6%) | 2 (2.9%) | 167 (5.7%) | 184 (6.1%) | 3 (3.7%) | 181 (6.2%) | -0.024 |
| Native Hawaiian or Other Pacific Islander | 21 (0.7%) | 1 (1.5%) | 20 (0.7%) | 17 (0.6%) | 0 (0.4%) | 17 (0.6%) | 0.02 |
| Unknown | 2,370 (78.8%) | 53 (77.9%) | 2,317 (78.8%) | 2,347 (78.0%) | 62 (73.5%) | 2,284 (78.2%) | 0.025 |
| White | 323 (10.7%) | 11 (16.2%) | 312 (10.6%) | 384 (12.8%) | 17 (19.7%) | 367 (12.6%) | -0.071 |
| Anti-epileptic drugs | 36 (1.2%) | 2 (2.9%) | 34 (1.2%) | 20 (0.7%) | 1 (0.7%) | 20 (0.7%) | 0.054 |
| Anticoagulants | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.069 |
| Antidepressants | 65 (2.2%) | 0 (0.0%) | 65 (2.2%) | 58 (1.9%) | 3 (3.8%) | 54 (1.9%) | 0.017 |
| Beta blockers | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.032 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 53 (1.8%) | 3 (4.4%) | 50 (1.7%) | 6 (0.2%) | 0 (0.4%) | 5 (0.2%) | 0.16 |
| Corticosteroids | 458 (15.2%) | 15 (22.1%) | 443 (15.1%) | 438 (14.6%) | 19 (22.1%) | 419 (14.4%) | 0.019 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 9b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 278 (9.2%) | 5 (7.4%) | 273 (9.3%) | 18 (0.6%) | 1 (0.7%) | 18 (0.6%) | 0.409 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 42 (1.4%) | 3 (4.4%) | 39 (1.3%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.165 |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.036 |
| Medroxyprogesterone | 12 (0.4%) | 0 (0.0%) | 12 (0.4%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.059 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 25 (0.8%) | 1 (1.5%) | 24 (0.8%) | 27 (0.9%) | 1 (1.3%) | 26 (0.9%) | -0.008 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 28 (0.9%) | 0 (0.0%) | 28 (1.0%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.124 |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.101 |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.022 |
| Short-acting leuprolide acetate | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.03 |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.072 |
| Statins | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.016 |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.8% | 75.4% | 66.6% | 21.0% | 27.6% | 20.8% | 1.046 |
| Routine Infant Or Child Health Check | 43.6% | 52.6% | 43.4% | 46.4% | 63.2% | 46.0% | -0.057 |
| Precocious Puberty | 34.0% | 31.6% | 34.1% | 6.0% | 4.9% | 6.0% | 0.759 |

Table 9b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 24.7% | 29.8% | 24.6% | 23.3% | 30.2% | 23.1% | 0.034 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 20.8% | 19.3% | 20.8% | 17.9% | 13.6% | 18.1% | 0.073 |
| Acute Pharyngitis | 20.4% | 24.6% | 20.3% | 22.7% | 37.2% | 22.3% | -0.058 |
| Encounter For Immunization | 18.9% | 10.5% | 19.1% | 15.4% | 10.0% | 15.5% | 0.095 |
| Acute Uris Of Unspecified Site | 14.5% | 17.5% | 14.4% | 15.2% | 25.0% | 14.9% | -0.021 |
| Cough | 10.1% | 10.5% | 10.1% | 10.2% | 17.7% | 10.0% | -0.004 |
| Other Hyperfunction Of Pituitary Gland | 9.6% | 10.5% | 9.6% | 0.4% | 0.3% | 0.4% | 0.439 |
| Other Unknown&unspec Cause Morbidity/Mortality | 9.6% | 10.5% | 9.6% | 8.4% | 8.7% | 8.4% | 0.051 |
| Streptococcal Sore Throat | 9.0% | 15.8% | 8.8% | 9.3% | 14.1% | 9.1% | -0.01 |
| Acute Pharyngitis Unspecified | 9.0% | 8.8% | 9.0% | 8.2% | 6.9% | 8.3% | 0.026 |
| Allergic Rhinitis Cause Unspecified | 7.5% | 5.3% | 7.5% | 7.1% | 11.3% | 6.9% | 0.016 |
| Fever Unspecified | 7.4% | 10.5% | 7.3% | 6.9% | 11.6% | 6.8% | 0.018 |
| Unspecified Otitis Media | 7.3% | 10.5% | 7.2% | 7.4% | 14.6% | 7.2% | -0.004 |
| Dietary Counseling And Surveillance | 6.8% | 5.3% | 6.8% | 4.6% | 2.9% | 4.7% | 0.103 |
| Acute Sinusitis, Unspecified | 6.6% | 7.0% | 6.5% | 5.8% | 12.5% | 5.6% | 0.032 |
| Unspecified Viral Infection In Cce & Uns Site | 6.4% | 5.3% | 6.5% | 7.0% | 9.7% | 6.9% | -0.022 |
| Acute Upper Respiratory Infection Unspecified | 6.0% | 0.0% | 6.1% | 5.2% | 4.2% | 5.2% | 0.036 |
| Examination Of Eyes And Vision | 5.9% | 7.0% | 5.9% | 6.1% | 10.6% | 6.0% | -0.01 |

Table 9b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Short Stature | 5.5% | 7.0% | 5.5% | 1.6% | 2.4% | 1.6% | 0.214 |
| Headache | 5.5% | 15.8% | 5.3% | 4.5% | 9.2% | 4.3% | 0.047 |
| Abdominal Pain, Unspecified Site | 5.3% | 7.0% | 5.3% | 5.7% | 10.9% | 5.5% | -0.014 |
| Myopia | 4.6% | 1.8% | 4.6% | 4.1% | 5.9% | 4.0% | 0.024 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 4.5% | 1.8% | 4.6% | 3.8% | 2.8% | 3.8% | 0.035 |
| Dietary Surveillance And Counseling | 4.4% | 3.5% | 4.4% | 4.9% | 5.1% | 4.9% | -0.033 |
| Urinary Tract Infection Site Not Specified | 4.4% | 7.0% | 4.3% | 3.6% | 6.2% | 3.5% | 0.041 |
| Other Specified Counseling | 4.4% | 5.3% | 4.3% | 2.0% | 1.4% | 2.0% | 0.167 |
| Other Disorders Of Puberty | 4.3% | 0.0% | 4.4% | 1.5% | 0.7% | 1.6% | 0.166 |
| Fever Unspecified | 4.3% | 5.3% | 4.3% | 4.1% | 3.0% | 4.1% | 0.01 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 4.3% | 5.3% | 4.3% | 3.8% | 4.1% | 3.8% | 0.023 |
| Asthma, Unspecified, Unspecified Status | 4.3% | 5.3% | 4.3% | 3.2% | 5.3% | 3.2% | 0.056 |
| Obesity, Unspecified | 4.2% | 5.3% | 4.1% | 2.3% | 2.9% | 2.3% | 0.107 |
| Cough | 4.1% | 5.3% | 4.1% | 3.7% | 2.7% | 3.7% | 0.02 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 4.0% | 5.3% | 4.0% | 3.6% | 6.0% | 3.5% | 0.024 |
| Add Of Childhood With Hyperactivity | 4.0% | 7.0% | 3.9% | 3.0% | 5.3% | 2.9% | 0.055 |
| Streptococcal Pharyngitis | 3.9% | 1.8% | 4.0% | 3.8% | 2.0% | 3.9% | 0.004 |
| Exercise Counseling | 3.9% | 3.5% | 3.9% | 3.8% | 3.8% | 3.8% | 0.008 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 3.8% | 12.3% | 3.6% | 4.5% | 5.6% | 4.5% | -0.032 |

Table 9b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Abnormal Weight Gain | 3.7% | 0.0% | 3.8% | 1.6% | 2.6% | 1.6% | 0.131 |
| Acute Bronchitis | 3.5% | 5.3% | 3.5% | 2.6% | 5.1% | 2.5% | 0.053 |
| Other Acne | 3.4% | 1.8% | 3.4% | 2.6% | 5.3% | 2.5% | 0.05 |
| Unspecified Constipation | 3.3% | 0.0% | 3.4% | 2.7% | 5.1% | 2.6% | 0.038 |
| Other Adrenocortical Overactivity | 3.2% | 1.8% | 3.3% | 2.3% | 3.1% | 2.3% | 0.058 |
| Hypermetropia | 3.2% | 1.8% | 3.2% | 3.0% | 4.1% | 3.0% | 0.011 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 2.9% | 0.0% | 3.0% | 1.8% | 1.3% | 1.8% | 0.082 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.9% | 0.0% | 2.9% | 2.6% | 3.2% | 2.6% | 0.016 |
| Unspecified Otagia | 2.8% | 7.0% | 2.7% | 2.2% | 4.9% | 2.1% | 0.037 |
| Pain In Soft Tissues Of Limb | 2.7% | 14.0% | 2.4% | 2.5% | 8.8% | 2.3% | 0.016 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.6% | 8.8% | 10.6% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 8.5% | 14.0% | 8.3% | 8.7% | 13.0% | 8.5% | -0.007 |
| Leuprolide Acetate | 7.2% | 14.0% | 7.0% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.8% | 10.5% | 6.7% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 4.5% | 7.0% | 4.5% | 0.2% | 0.7% | 0.2% | 0.287 |
| Histrelin Acetate | 4.1% | 3.5% | 4.1% | 0.3% | 0.4% | 0.3% | 0.267 |
| Azithromycin | 4.0% | 3.5% | 4.0% | 3.5% | 4.8% | 3.4% | 0.027 |
| Leuprolide Acetate | 4.0% | 5.3% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 3.9% | 8.8% | 3.8% | 4.0% | 4.0% | 4.0% | -0.005 |
| Leuprolide Acetate | 3.9% | 7.0% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.8% | 1.8% | 3.8% | 3.1% | 4.2% | 3.0% | 0.038 |
| Leuprolide Acetate | 3.5% | 7.0% | 3.4% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.3% | 3.5% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.2% | 8.8% | 3.1% | 3.4% | 6.3% | 3.3% | -0.01 |

Table 9b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--------------------|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Ciprofloxacin | 3.2% | 5.3% | 3.1% | 2.5% | 4.4% | 2.4% | 0.044 |
| Hcl/Dexamethasone | | | | | | | |
| Amoxicillin | 3.0% | 0.0% | 3.1% | 3.4% | 4.3% | 3.3% | -0.019 |
| Azithromycin | 2.9% | 1.8% | 2.9% | 2.7% | 5.0% | 2.6% | 0.013 |
| Leuprolide Acetate | 2.7% | 10.5% | 2.5% | 0.0% | 0.0% | 0.0% | - |
| Cephalexin | 1.8% | 1.8% | 1.8% | 1.4% | 1.0% | 1.4% | 0.035 |
| Albuterol Sulfate | 1.5% | 0.0% | 1.5% | 1.0% | 1.5% | 1.0% | 0.044 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 9c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 228 (100.0%) | 2,788 (100.0%) | 3,016 (100.0%) | 250 (100.0%) | 2,766 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 994.4 (955.2) | 804.0 (724.8) | 1,009.9 (968.8) | 1,017.0 (1100.9) | 915.8 (856.2) | 1,026.1 (1117.3) | -0.022 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 8.1 (1.5) | 8.0 (1.8) | 8.0 (1.7) | 8.3 (1.6) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.9%) | 82 (2.7%) | 4 (1.5%) | 78 (2.8%) | 0 |
| 3-4 | 105 (3.5%) | 5 (2.2%) | 100 (3.6%) | 105 (3.5%) | 8 (3.3%) | 97 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 38 (16.7%) | 353 (12.7%) | 390 (12.9%) | 25 (10.1%) | 365 (13.2%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 118 (51.8%) | 1,448 (51.9%) | 1,566 (51.9%) | 125 (50.0%) | 1,441 (52.1%) | 0 |
| 9-10 | 872 (28.9%) | 67 (29.4%) | 805 (28.9%) | 873 (28.9%) | 88 (35.2%) | 785 (28.4%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.3%) | 7 (0.2%) | 1 (0.3%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 4 (1.8%) | 115 (4.1%) | 70 (2.3%) | 5 (1.8%) | 66 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 10 (4.4%) | 160 (5.7%) | 111 (3.7%) | 9 (3.4%) | 103 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 3 (1.3%) | 19 (0.7%) | 17 (0.6%) | 2 (0.8%) | 15 (0.5%) | 0.026 |
| Unknown | 2,371 (78.6%) | 173 (75.9%) | 2,198 (78.8%) | 2,417 (80.1%) | 180 (72.3%) | 2,236 (80.8%) | -0.049 |
| White | 327 (10.8%) | 38 (16.7%) | 289 (10.4%) | 393 (13.0%) | 53 (21.3%) | 340 (12.3%) | -0.077 |
| Anti-epileptic drugs | 36 (1.2%) | 5 (2.2%) | 31 (1.1%) | 10 (0.3%) | 1 (0.6%) | 9 (0.3%) | 0.099 |
| Anticoagulants | 13 (0.4%) | 2 (0.9%) | 11 (0.4%) | 2 (0.0%) | 0 (0.0%) | 2 (0.1%) | 0.078 |
| Antidepressants | 65 (2.2%) | 6 (2.6%) | 59 (2.1%) | 37 (1.2%) | 5 (1.8%) | 33 (1.2%) | 0.071 |
| Beta blockers | 7 (0.2%) | 0 (0.0%) | 7 (0.3%) | 3 (0.1%) | 0 (0.1%) | 3 (0.1%) | 0.034 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 54 (1.8%) | 7 (3.1%) | 47 (1.7%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.18 |
| Corticosteroids | 459 (15.2%) | 54 (23.7%) | 405 (14.5%) | 366 (12.1%) | 49 (19.8%) | 317 (11.4%) | 0.09 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 9c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 281 (9.3%) | 19 (8.3%) | 262 (9.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.455 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 42 (1.4%) | 5 (2.2%) | 37 (1.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.036 |
| Medroxyprogesterone | 12 (0.4%) | 0 (0.0%) | 12 (0.4%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.08 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 25 (0.8%) | 2 (0.9%) | 23 (0.8%) | 23 (0.8%) | 4 (1.5%) | 19 (0.7%) | 0.007 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 2 (0.9%) | 27 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 2 (0.9%) | 12 (0.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.019 |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.7% | 81.2% | 65.5% | 0.7% | 0.2% | 0.7% | 1.969 |
| Routine Infant Or Child Health Check | 43.7% | 60.7% | 42.2% | 33.7% | 51.7% | 32.0% | 0.209 |
| Precocious Puberty | 34.0% | 25.7% | 34.7% | 0.2% | 0.0% | 0.2% | 1.024 |

Table 9c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination&inoculation Flu | 24.8% | 31.4% | 24.2% | 15.8% | 22.3% | 15.2% | 0.23 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 20.8% | 17.8% | 21.1% | 11.1% | 7.8% | 11.4% | 0.274 |
| Acute Pharyngitis | 20.3% | 34.0% | 19.1% | 20.8% | 36.1% | 19.4% | -0.012 |
| Encounter For Immunization | 18.9% | 15.7% | 19.1% | 10.4% | 7.7% | 10.7% | 0.242 |
| Acute Uris Of Unspecified Site | 14.4% | 24.6% | 13.6% | 14.4% | 24.5% | 13.5% | 0 |
| Cough | 10.0% | 15.2% | 9.6% | 8.0% | 12.5% | 7.5% | 0.073 |
| Other Hyperfunction Of Pituitary Gland | 9.7% | 6.8% | 9.9% | 0.0% | 0.0% | 0.0% | 0.467 |
| Other Unknown&unspec Cause Morbidity/Mortality | 9.5% | 8.4% | 9.6% | 7.5% | 8.4% | 7.4% | 0.086 |
| Acute Pharyngitis Unspecified | 9.1% | 11.0% | 8.9% | 6.2% | 4.6% | 6.3% | 0.11 |
| Streptococcal Sore Throat | 9.0% | 14.7% | 8.5% | 8.6% | 14.0% | 8.1% | 0.014 |
| Allergic Rhinitis Cause Unspecified | 7.5% | 10.5% | 7.2% | 5.6% | 8.7% | 5.3% | 0.077 |
| Fever Unspecified | 7.4% | 9.9% | 7.2% | 4.8% | 7.0% | 4.6% | 0.108 |
| Unspecified Otitis Media | 7.3% | 11.0% | 7.0% | 6.7% | 10.9% | 6.4% | 0.022 |
| Dietary Counseling And Surveillance | 6.9% | 4.7% | 7.1% | 2.4% | 1.7% | 2.5% | 0.237 |
| Acute Sinusitis, Unspecified | 6.5% | 13.6% | 5.9% | 4.8% | 9.1% | 4.4% | 0.076 |
| Unspecified Viral Infection In Cce & Uns Site | 6.4% | 10.5% | 6.1% | 6.3% | 10.4% | 6.0% | 0.003 |
| Examination Of Eyes And Vision | 6.0% | 7.9% | 5.8% | 5.5% | 7.8% | 5.2% | 0.022 |
| Acute Upper Respiratory Infection Unspecified | 5.9% | 4.2% | 6.0% | 3.9% | 2.6% | 4.0% | 0.094 |
| Short Stature | 5.5% | 6.8% | 5.4% | 0.3% | 0.4% | 0.3% | 0.315 |

Table 9c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Headache | 5.5% | 13.1% | 4.8% | 3.2% | 5.6% | 3.0% | 0.113 |
| Abdominal Pain, Unspecified Site | 5.3% | 8.4% | 5.1% | 4.6% | 8.4% | 4.3% | 0.034 |
| Myopia | 4.6% | 6.3% | 4.4% | 3.9% | 6.1% | 3.7% | 0.035 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 4.5% | 7.9% | 4.2% | 3.0% | 5.5% | 2.7% | 0.081 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 4.5% | 2.1% | 4.7% | 1.6% | 1.2% | 1.7% | 0.166 |
| Urinary Tract Infection Site Not Specified | 4.4% | 11.0% | 3.8% | 3.3% | 6.1% | 3.1% | 0.057 |
| Dietary Surveillance And Counseling | 4.4% | 7.3% | 4.1% | 2.6% | 4.0% | 2.5% | 0.113 |
| Other Specified Counseling | 4.4% | 3.7% | 4.4% | 0.8% | 0.4% | 0.8% | 0.287 |
| Other Disorders Of Puberty | 4.3% | 2.6% | 4.5% | 0.0% | 0.0% | 0.0% | 0.297 |
| Asthma, Unspecified, Unspecified Status | 4.3% | 6.8% | 4.1% | 2.8% | 4.9% | 2.7% | 0.078 |
| Fever Unspecified | 4.3% | 4.7% | 4.2% | 2.8% | 2.2% | 2.9% | 0.08 |
| Obesity, Unspecified | 4.2% | 7.3% | 4.0% | 1.0% | 1.6% | 0.9% | 0.207 |
| Cough | 4.1% | 4.2% | 4.1% | 2.8% | 2.2% | 2.8% | 0.071 |
| Streptococcal Pharyngitis | 4.0% | 4.2% | 4.0% | 3.3% | 2.6% | 3.3% | 0.041 |
| Add Of Childhood With Hyperactivity | 4.0% | 6.8% | 3.8% | 2.4% | 3.1% | 2.3% | 0.093 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 4.0% | 7.3% | 3.7% | 3.3% | 5.2% | 3.1% | 0.039 |
| Contact Dermatitis&other Eczema Due Unspec Cause | 4.0% | 8.9% | 3.5% | 3.6% | 6.7% | 3.3% | 0.02 |
| Exercise Counseling | 4.0% | 5.8% | 3.8% | 1.8% | 2.6% | 1.8% | 0.147 |
| Abnormal Weight Gain | 3.7% | 4.7% | 3.6% | 0.5% | 0.9% | 0.4% | 0.23 |

Table 9c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Acute Bronchitis | 3.5% | 6.8% | 3.2% | 2.6% | 4.3% | 2.4% | 0.056 |
| Other Acne | 3.4% | 4.7% | 3.3% | 0.7% | 1.2% | 0.7% | 0.187 |
| Unspecified Constipation | 3.3% | 6.3% | 3.1% | 1.5% | 1.9% | 1.5% | 0.119 |
| Hypermetropia | 3.2% | 5.8% | 3.0% | 2.6% | 3.8% | 2.4% | 0.041 |
| Other Adrenocortical Overactivity | 3.2% | 3.1% | 3.2% | 0.1% | 0.0% | 0.1% | 0.252 |
| Need Proph Vacc & inoculat Against Viral Hep | 2.9% | 3.7% | 2.8% | 2.3% | 3.5% | 2.2% | 0.04 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 2.9% | 1.6% | 3.0% | 0.8% | 0.7% | 0.8% | 0.165 |
| Pain In Soft Tissues Of Limb | 2.7% | 8.9% | 2.2% | 1.9% | 7.9% | 1.3% | 0.057 |
| Unspecified Otagia | 2.6% | 7.9% | 2.2% | 1.6% | 3.0% | 1.5% | 0.069 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.5% | 5.2% | 11.0% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 8.4% | 9.4% | 8.3% | 7.1% | 9.1% | 6.9% | 0.049 |
| Leuprolide Acetate | 7.2% | 12.6% | 6.7% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.8% | 11.5% | 6.4% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 4.6% | 6.8% | 4.4% | 0.1% | 0.2% | 0.1% | 0.302 |
| Histrelin Acetate | 4.1% | 4.7% | 4.1% | 0.0% | 0.0% | 0.0% | 0.294 |
| Azithromycin | 4.0% | 3.7% | 4.0% | 2.2% | 2.9% | 2.2% | 0.101 |
| Leuprolide Acetate | 4.0% | 1.6% | 4.2% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 3.9% | 4.2% | 3.9% | 3.1% | 4.5% | 2.9% | 0.046 |
| Leuprolide Acetate | 3.9% | 4.7% | 3.8% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.8% | 3.7% | 3.8% | 2.2% | 2.8% | 2.2% | 0.095 |
| Leuprolide Acetate | 3.5% | 6.8% | 3.2% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.3% | 3.7% | 3.2% | 0.0% | 0.0% | 0.0% | - |
| Ciprofloxacin | 3.2% | 7.9% | 2.8% | 1.8% | 3.3% | 1.7% | 0.089 |
| Hcl/Dexamethasone | | | | | | | |

Table 9c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--------------------|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 3.1% | 3.7% | 3.1% | 3.7% | 5.2% | 3.6% | -0.03 |
| Amoxicillin | 3.1% | 1.0% | 3.3% | 2.4% | 2.3% | 2.4% | 0.045 |
| Azithromycin | 3.0% | 8.4% | 2.6% | 2.1% | 2.9% | 2.0% | 0.058 |
| Leuprolide Acetate | 2.7% | 4.2% | 2.5% | 0.0% | 0.0% | 0.0% | - |
| Cephalexin | 1.7% | 1.6% | 1.7% | 1.4% | 2.2% | 1.4% | 0.022 |
| Albuterol Sulfate | 1.5% | 1.6% | 1.5% | 0.6% | 0.9% | 0.6% | 0.088 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 9d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.7) | 1,726.0 (.) | 1,118.0 (1171.6) | -0.04 |
| | Characteristics | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 8.9 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (50.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (50.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (50.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (50.0%) | 393 (13.0%) | -0.077 |
| Anti-epileptic drugs | 36 (1.2%) | 0 (0.0%) | 36 (1.2%) | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 0.099 |
| Anticoagulants | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 2 (0.0%) | 0 (0.0%) | 2 (0.0%) | 0.078 |
| Antidepressants | 65 (2.2%) | 0 (0.0%) | 65 (2.2%) | 37 (1.2%) | 0 (0.0%) | 37 (1.2%) | 0.071 |
| Beta blockers | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.034 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 54 (1.8%) | 0 (0.0%) | 54 (1.8%) | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0.18 |
| Corticosteroids | 459 (15.2%) | 0 (0.0%) | 459 (15.2%) | 366 (12.1%) | 0 (0.0%) | 366 (12.1%) | 0.09 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 9d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 281 (9.3%) | 0 (0.0%) | 281 (9.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.455 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 42 (1.4%) | 0 (0.0%) | 42 (1.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.036 |
| Medroxyprogesterone | 12 (0.4%) | 0 (0.0%) | 12 (0.4%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.08 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 25 (0.8%) | 0 (0.0%) | 25 (0.8%) | 23 (0.8%) | 0 (0.0%) | 23 (0.8%) | 0.007 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.019 |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.7% | 0.0% | 66.7% | 0.7% | 0.0% | 0.7% | 1.969 |
| Routine Infant Or Child Health Check | 43.7% | 0.0% | 43.7% | 33.7% | 50.0% | 33.7% | 0.209 |
| Precocious Puberty | 34.0% | 0.0% | 34.0% | 0.2% | 0.0% | 0.2% | 1.024 |

Table 9d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination & inoculation Flu | 24.8% | 0.0% | 24.8% | 15.8% | 0.0% | 15.8% | 0.23 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 20.8% | 0.0% | 20.8% | 11.1% | 0.0% | 11.1% | 0.274 |
| Acute Pharyngitis | 20.3% | 0.0% | 20.3% | 20.8% | 50.0% | 20.8% | -0.012 |
| Encounter For Immunization | 18.9% | 0.0% | 18.9% | 10.4% | 0.0% | 10.4% | 0.242 |
| Acute Uris Of Unspecified Site | 14.4% | 0.0% | 14.4% | 14.4% | 0.0% | 14.4% | 0 |
| Cough | 10.0% | 0.0% | 10.0% | 8.0% | 0.0% | 8.0% | 0.073 |
| Other Hyperfunction Of Pituitary Gland | 9.7% | 0.0% | 9.7% | 0.0% | 0.0% | 0.0% | 0.467 |
| Other Unknown&unspec Cause Morbidity/Mortality | 9.5% | 0.0% | 9.5% | 7.5% | 0.0% | 7.5% | 0.086 |
| Acute Pharyngitis Unspecified | 9.1% | 0.0% | 9.1% | 6.2% | 0.0% | 6.2% | 0.11 |
| Streptococcal Sore Throat | 9.0% | 0.0% | 9.0% | 8.6% | 0.0% | 8.6% | 0.014 |
| Allergic Rhinitis Cause Unspecified | 7.5% | 0.0% | 7.5% | 5.6% | 0.0% | 5.6% | 0.077 |
| Fever Unspecified | 7.4% | 0.0% | 7.4% | 4.8% | 0.0% | 4.8% | 0.108 |
| Unspecified Otitis Media | 7.3% | 0.0% | 7.3% | 6.7% | 0.0% | 6.7% | 0.022 |
| Dietary Counseling And Surveillance | 6.9% | 0.0% | 6.9% | 2.4% | 0.0% | 2.4% | 0.237 |
| Acute Sinusitis, Unspecified | 6.5% | 0.0% | 6.5% | 4.8% | 0.0% | 4.8% | 0.076 |
| Unspecified Viral Infection In Cce & Uns Site | 6.4% | 0.0% | 6.4% | 6.3% | 0.0% | 6.3% | 0.003 |
| Examination Of Eyes And Vision | 6.0% | 0.0% | 6.0% | 5.5% | 0.0% | 5.5% | 0.022 |
| Acute Upper Respiratory Infection Unspecified | 5.9% | 0.0% | 5.9% | 3.9% | 0.0% | 3.9% | 0.094 |
| Short Stature | 5.5% | 0.0% | 5.5% | 0.3% | 0.0% | 0.3% | 0.315 |

Table 9d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Headache | 5.5% | 0.0% | 5.5% | 3.2% | 0.0% | 3.2% | 0.113 |
| Abdominal Pain, Unspecified Site | 5.3% | 0.0% | 5.3% | 4.6% | 0.0% | 4.6% | 0.034 |
| Myopia | 4.6% | 0.0% | 4.6% | 3.9% | 0.0% | 3.9% | 0.035 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 4.5% | 0.0% | 4.5% | 3.0% | 0.0% | 3.0% | 0.081 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 4.5% | 0.0% | 4.5% | 1.6% | 0.0% | 1.6% | 0.166 |
| Urinary Tract Infection Site Not Specified | 4.4% | 0.0% | 4.4% | 3.3% | 0.0% | 3.3% | 0.057 |
| Dietary Surveillance And Counseling | 4.4% | 0.0% | 4.4% | 2.6% | 0.0% | 2.6% | 0.113 |
| Other Specified Counseling | 4.4% | 0.0% | 4.4% | 0.8% | 0.0% | 0.8% | 0.287 |
| Other Disorders Of Puberty | 4.3% | 0.0% | 4.3% | 0.0% | 0.0% | 0.0% | 0.297 |
| Asthma, Unspecified, Unspecified Status | 4.3% | 0.0% | 4.3% | 2.8% | 0.0% | 2.8% | 0.078 |
| Fever Unspecified | 4.3% | 0.0% | 4.3% | 2.8% | 0.0% | 2.8% | 0.08 |
| Obesity, Unspecified | 4.2% | 0.0% | 4.2% | 1.0% | 50.0% | 1.0% | 0.207 |
| Cough | 4.1% | 0.0% | 4.1% | 2.8% | 0.0% | 2.8% | 0.071 |
| Streptococcal Pharyngitis | 4.0% | 0.0% | 4.0% | 3.3% | 0.0% | 3.3% | 0.041 |
| Add Of Childhood With Hyperactivity | 4.0% | 0.0% | 4.0% | 2.4% | 0.0% | 2.4% | 0.093 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 4.0% | 0.0% | 4.0% | 3.3% | 0.0% | 3.3% | 0.039 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 4.0% | 0.0% | 4.0% | 3.6% | 0.0% | 3.6% | 0.02 |
| Exercise Counseling | 4.0% | 0.0% | 4.0% | 1.8% | 0.0% | 1.8% | 0.147 |
| Abnormal Weight Gain | 3.7% | 0.0% | 3.7% | 0.5% | 0.0% | 0.5% | 0.23 |

Table 9d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Acute Bronchitis | 3.5% | 0.0% | 3.5% | 2.6% | 0.0% | 2.6% | 0.056 |
| Other Acne | 3.4% | 0.0% | 3.4% | 0.7% | 0.0% | 0.7% | 0.187 |
| Unspecified Constipation | 3.3% | 0.0% | 3.3% | 1.5% | 0.0% | 1.5% | 0.119 |
| Hypermetropia | 3.2% | 0.0% | 3.2% | 2.6% | 0.0% | 2.6% | 0.041 |
| Other Adrenocortical Overactivity | 3.2% | 0.0% | 3.2% | 0.1% | 0.0% | 0.1% | 0.252 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.9% | 0.0% | 2.9% | 2.3% | 0.0% | 2.3% | 0.04 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 2.9% | 0.0% | 2.9% | 0.8% | 0.0% | 0.8% | 0.165 |
| Pain In Soft Tissues Of Limb | 2.7% | 0.0% | 2.7% | 1.9% | 0.0% | 1.9% | 0.057 |
| Unspecified Otagia | 2.6% | 0.0% | 2.6% | 1.6% | 0.0% | 1.6% | 0.069 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.5% | 0.0% | 10.5% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 8.4% | 0.0% | 8.4% | 7.1% | 0.0% | 7.1% | 0.049 |
| Leuprolide Acetate | 7.2% | 0.0% | 7.2% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.8% | 0.0% | 6.8% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 4.6% | 0.0% | 4.6% | 0.1% | 0.0% | 0.1% | 0.302 |
| Histrelin Acetate | 4.1% | 0.0% | 4.1% | 0.0% | 0.0% | 0.0% | 0.294 |
| Azithromycin | 4.0% | 0.0% | 4.0% | 2.2% | 0.0% | 2.2% | 0.101 |
| Leuprolide Acetate | 4.0% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 3.9% | 0.0% | 3.9% | 3.1% | 0.0% | 3.1% | 0.046 |
| Leuprolide Acetate | 3.9% | 0.0% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.8% | 0.0% | 3.8% | 2.2% | 0.0% | 2.2% | 0.095 |
| Leuprolide Acetate | 3.5% | 0.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.3% | 0.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Ciprofloxacin | 3.2% | 0.0% | 3.2% | 1.8% | 0.0% | 1.8% | 0.089 |
| Hcl/Dexamethasone | | | | | | | |

Table 9d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--------------------|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 3.1% | 0.0% | 3.1% | 3.7% | 0.0% | 3.7% | -0.03 |
| Amoxicillin | 3.1% | 0.0% | 3.1% | 2.4% | 0.0% | 2.4% | 0.045 |
| Azithromycin | 3.0% | 0.0% | 3.0% | 2.1% | 0.0% | 2.1% | 0.058 |
| Leuprolide Acetate | 2.7% | 0.0% | 2.7% | 0.0% | 0.0% | 0.0% | - |
| Cephalexin | 1.7% | 0.0% | 1.7% | 1.4% | 0.0% | 1.4% | 0.022 |
| Albuterol Sulfate | 1.5% | 0.0% | 1.5% | 0.6% | 0.0% | 0.6% | 0.088 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 9e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.6) | 3,557.0 (.) | 1,118.0 (1171.6) | -0.04 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 4.6 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (100.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (0.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (100.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (0.0%) | 393 (13.0%) | -0.077 |
| Anti-epileptic drugs | 36 (1.2%) | 0 (0.0%) | 36 (1.2%) | 10 (0.3%) | 0 (0.0%) | 10 (0.3%) | 0.099 |
| Anticoagulants | 13 (0.4%) | 0 (0.0%) | 13 (0.4%) | 2 (0.0%) | 0 (0.0%) | 2 (0.0%) | 0.078 |
| Antidepressants | 65 (2.2%) | 0 (0.0%) | 65 (2.2%) | 37 (1.2%) | 0 (0.0%) | 37 (1.2%) | 0.071 |
| Beta blockers | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.034 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 54 (1.8%) | 0 (0.0%) | 54 (1.8%) | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0.18 |
| Corticosteroids | 459 (15.2%) | 0 (0.0%) | 459 (15.2%) | 366 (12.1%) | 0 (0.0%) | 366 (12.1%) | 0.09 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 9e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 281 (9.3%) | 0 (0.0%) | 281 (9.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.455 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 42 (1.4%) | 0 (0.0%) | 42 (1.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.036 |
| Medroxyprogesterone | 12 (0.4%) | 0 (0.0%) | 12 (0.4%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.08 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 25 (0.8%) | 0 (0.0%) | 25 (0.8%) | 23 (0.8%) | 0 (0.0%) | 23 (0.8%) | 0.007 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.019 |
| Thiazide diuretics | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.7% | 0.0% | 66.7% | 0.7% | 0.0% | 0.7% | 1.969 |
| Routine Infant Or Child Health Check | 43.7% | 0.0% | 43.7% | 33.7% | 100.0% | 33.7% | 0.209 |
| Precocious Puberty | 34.0% | 0.0% | 34.0% | 0.2% | 0.0% | 0.2% | 1.024 |

Table 9e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Need Prophylactic Vaccination&inoculation Flu | 24.8% | 0.0% | 24.8% | 15.8% | 0.0% | 15.8% | 0.23 |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 20.8% | 0.0% | 20.8% | 11.1% | 0.0% | 11.1% | 0.274 |
| Acute Pharyngitis | 20.3% | 0.0% | 20.3% | 20.8% | 100.0% | 20.8% | -0.012 |
| Encounter For Immunization | 18.9% | 0.0% | 18.9% | 10.4% | 0.0% | 10.4% | 0.242 |
| Acute Uris Of Unspecified Site | 14.4% | 0.0% | 14.4% | 14.4% | 100.0% | 14.4% | 0 |
| Cough | 10.0% | 0.0% | 10.0% | 8.0% | 0.0% | 8.0% | 0.073 |
| Other Hyperfunction Of Pituitary Gland | 9.7% | 0.0% | 9.7% | 0.0% | 0.0% | 0.0% | 0.467 |
| Other Unknown&unspec Cause Morbidity/Mortality | 9.5% | 0.0% | 9.5% | 7.5% | 0.0% | 7.5% | 0.086 |
| Acute Pharyngitis Unspecified | 9.1% | 0.0% | 9.1% | 6.2% | 0.0% | 6.2% | 0.11 |
| Streptococcal Sore Throat | 9.0% | 0.0% | 9.0% | 8.6% | 100.0% | 8.6% | 0.014 |
| Allergic Rhinitis Cause Unspecified | 7.5% | 0.0% | 7.5% | 5.6% | 0.0% | 5.6% | 0.077 |
| Fever Unspecified | 7.4% | 0.0% | 7.4% | 4.8% | 0.0% | 4.8% | 0.108 |
| Unspecified Otitis Media | 7.3% | 0.0% | 7.3% | 6.7% | 100.0% | 6.7% | 0.022 |
| Dietary Counseling And Surveillance | 6.9% | 0.0% | 6.9% | 2.4% | 0.0% | 2.4% | 0.237 |
| Acute Sinusitis, Unspecified | 6.5% | 0.0% | 6.5% | 4.8% | 0.0% | 4.8% | 0.076 |
| Unspecified Viral Infection In Cce & Uns Site | 6.4% | 0.0% | 6.4% | 6.3% | 0.0% | 6.3% | 0.003 |
| Examination Of Eyes And Vision | 6.0% | 0.0% | 6.0% | 5.5% | 0.0% | 5.5% | 0.022 |
| Acute Upper Respiratory Infection Unspecified | 5.9% | 0.0% | 5.9% | 3.9% | 0.0% | 3.9% | 0.094 |
| Short Stature | 5.5% | 0.0% | 5.5% | 0.3% | 0.0% | 0.3% | 0.315 |

Table 9e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Headache | 5.5% | 0.0% | 5.5% | 3.2% | 0.0% | 3.2% | 0.113 |
| Abdominal Pain, Unspecified Site | 5.3% | 0.0% | 5.3% | 4.6% | 0.0% | 4.6% | 0.034 |
| Myopia | 4.6% | 0.0% | 4.6% | 3.9% | 0.0% | 3.9% | 0.035 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 4.5% | 0.0% | 4.5% | 3.0% | 0.0% | 3.0% | 0.081 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 4.5% | 0.0% | 4.5% | 1.6% | 0.0% | 1.6% | 0.166 |
| Urinary Tract Infection Site Not Specified | 4.4% | 0.0% | 4.4% | 3.3% | 0.0% | 3.3% | 0.057 |
| Dietary Surveillance And Counseling | 4.4% | 0.0% | 4.4% | 2.6% | 0.0% | 2.6% | 0.113 |
| Other Specified Counseling | 4.4% | 0.0% | 4.4% | 0.8% | 0.0% | 0.8% | 0.287 |
| Other Disorders Of Puberty | 4.3% | 0.0% | 4.3% | 0.0% | 0.0% | 0.0% | 0.297 |
| Asthma, Unspecified, Unspecified Status | 4.3% | 0.0% | 4.3% | 2.8% | 100.0% | 2.8% | 0.078 |
| Fever Unspecified | 4.3% | 0.0% | 4.3% | 2.8% | 0.0% | 2.8% | 0.08 |
| Obesity, Unspecified | 4.2% | 0.0% | 4.2% | 1.0% | 100.0% | 1.0% | 0.207 |
| Cough | 4.1% | 0.0% | 4.1% | 2.8% | 0.0% | 2.8% | 0.071 |
| Streptococcal Pharyngitis | 4.0% | 0.0% | 4.0% | 3.3% | 0.0% | 3.3% | 0.041 |
| Add Of Childhood With Hyperactivity | 4.0% | 0.0% | 4.0% | 2.4% | 0.0% | 2.4% | 0.093 |
| Acut Suppratv Otitis Media W/O Spont Rup Eardrum | 4.0% | 0.0% | 4.0% | 3.3% | 0.0% | 3.3% | 0.039 |
| Contact Dermatitis&other Eczema Due Unspec Cause | 4.0% | 0.0% | 4.0% | 3.6% | 0.0% | 3.6% | 0.02 |
| Exercise Counseling | 4.0% | 0.0% | 4.0% | 1.8% | 0.0% | 1.8% | 0.147 |
| Abnormal Weight Gain | 3.7% | 0.0% | 3.7% | 0.5% | 0.0% | 0.5% | 0.23 |

Table 9e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Acute Bronchitis | 3.5% | 0.0% | 3.5% | 2.6% | 0.0% | 2.6% | 0.056 |
| Other Acne | 3.4% | 0.0% | 3.4% | 0.7% | 0.0% | 0.7% | 0.187 |
| Unspecified Constipation | 3.3% | 0.0% | 3.3% | 1.5% | 0.0% | 1.5% | 0.119 |
| Hypermetropia | 3.2% | 0.0% | 3.2% | 2.6% | 100.0% | 2.6% | 0.041 |
| Other Adrenocortical Overactivity | 3.2% | 0.0% | 3.2% | 0.1% | 0.0% | 0.1% | 0.252 |
| Need Proph Vacc&inoculat Against Viral Hep | 2.9% | 0.0% | 2.9% | 2.3% | 0.0% | 2.3% | 0.04 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 2.9% | 0.0% | 2.9% | 0.8% | 0.0% | 0.8% | 0.165 |
| Pain In Soft Tissues Of Limb | 2.7% | 0.0% | 2.7% | 1.9% | 0.0% | 1.9% | 0.057 |
| Unspecified Otagia | 2.6% | 0.0% | 2.6% | 1.6% | 100.0% | 1.6% | 0.069 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.5% | 0.0% | 10.5% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 8.4% | 0.0% | 8.4% | 7.1% | 0.0% | 7.1% | 0.049 |
| Leuprolide Acetate | 7.2% | 0.0% | 7.2% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 6.8% | 0.0% | 6.8% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 4.6% | 0.0% | 4.6% | 0.1% | 0.0% | 0.1% | 0.302 |
| Histrelin Acetate | 4.1% | 0.0% | 4.1% | 0.0% | 0.0% | 0.0% | 0.294 |
| Azithromycin | 4.0% | 0.0% | 4.0% | 2.2% | 0.0% | 2.2% | 0.101 |
| Leuprolide Acetate | 4.0% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 3.9% | 0.0% | 3.9% | 3.1% | 0.0% | 3.1% | 0.046 |
| Leuprolide Acetate | 3.9% | 0.0% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.8% | 0.0% | 3.8% | 2.2% | 0.0% | 2.2% | 0.095 |
| Leuprolide Acetate | 3.5% | 0.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.3% | 0.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Ciprofloxacin | 3.2% | 0.0% | 3.2% | 1.8% | 0.0% | 1.8% | 0.089 |
| Hcl/Dexamethasone | | | | | | | |

Table 9e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls in the 730 Days Post-Index in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--------------------|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 3.1% | 0.0% | 3.1% | 3.7% | 100.0% | 3.7% | -0.03 |
| Amoxicillin | 3.1% | 0.0% | 3.1% | 2.4% | 0.0% | 2.4% | 0.045 |
| Azithromycin | 3.0% | 0.0% | 3.0% | 2.1% | 0.0% | 2.1% | 0.058 |
| Leuprolide Acetate | 2.7% | 0.0% | 2.7% | 0.0% | 0.0% | 0.0% | - |
| Cephalexin | 1.7% | 0.0% | 1.7% | 1.4% | 100.0% | 1.4% | 0.022 |
| Albuterol Sulfate | 1.5% | 0.0% | 1.5% | 0.6% | 0.0% | 0.6% | 0.088 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 10a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 68 (100.0%) | 2,948 (100.0%) | 3,016 (100.0%) | 88 (100.0%) | 2,928 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.5 (992.7) | 704.1 (613.1) | 1,057.5 (998.5) | 1,081.0 (1150.5) | 728.2 (692.8) | 1,091.7 (1158.8) | -0.029 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.1 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.8%) | 82 (2.7%) | 2 (1.9%) | 80 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 1 (1.5%) | 104 (3.5%) | 105 (3.5%) | 4 (4.6%) | 101 (3.4%) | 0 |
| 5-6 | 391 (13.0%) | 14 (20.6%) | 377 (12.8%) | 390 (12.9%) | 9 (10.6%) | 381 (13.0%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 40 (58.8%) | 1,526 (51.8%) | 1,566 (51.9%) | 45 (51.0%) | 1,521 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 13 (19.1%) | 859 (29.1%) | 873 (28.9%) | 28 (31.8%) | 845 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.2%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 1 (1.5%) | 118 (4.0%) | 70 (2.3%) | 1 (1.2%) | 69 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 2 (2.9%) | 168 (5.7%) | 111 (3.7%) | 2 (2.4%) | 109 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 1 (1.5%) | 21 (0.7%) | 17 (0.6%) | 1 (0.6%) | 16 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 53 (77.9%) | 2,318 (78.6%) | 2,417 (80.1%) | 65 (73.8%) | 2,352 (80.3%) | -0.049 |
| White | 327 (10.8%) | 11 (16.2%) | 316 (10.7%) | 393 (13.0%) | 19 (21.7%) | 374 (12.8%) | -0.077 |
| Anti-epileptic drugs | 81 (2.7%) | 2 (2.9%) | 79 (2.7%) | 40 (1.3%) | 3 (3.2%) | 38 (1.3%) | 0.097 |
| Anticoagulants | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 4 (0.1%) | 0 (0.2%) | 4 (0.1%) | 0.075 |
| Antidepressants | 181 (6.0%) | 5 (7.4%) | 176 (6.0%) | 127 (4.2%) | 8 (8.5%) | 119 (4.1%) | 0.083 |
| Beta blockers | 26 (0.9%) | 0 (0.0%) | 26 (0.9%) | 17 (0.6%) | 1 (1.5%) | 15 (0.5%) | 0.037 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 80 (2.7%) | 4 (5.9%) | 76 (2.6%) | 25 (0.8%) | 1 (1.2%) | 24 (0.8%) | 0.142 |
| Corticosteroids | 669 (22.2%) | 26 (38.2%) | 643 (21.8%) | 576 (19.1%) | 31 (35.2%) | 545 (18.6%) | 0.077 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 10a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 293 (9.7%) | 6 (8.8%) | 287 (9.7%) | 0 (0.0%) | 0 (0.1%) | 0 (0.0%) | 0.467 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 47 (1.6%) | 3 (4.4%) | 44 (1.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0.02 |
| Medroxyprogesterone | 56 (1.9%) | 2 (2.9%) | 54 (1.8%) | 44 (1.4%) | 2 (1.8%) | 42 (1.4%) | 0.033 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 69 (2.3%) | 2 (2.9%) | 67 (2.3%) | 64 (2.1%) | 5 (5.3%) | 59 (2.0%) | 0.011 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.044 |
| Thiazide diuretics | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 3 (0.1%) | 0 (0.2%) | 3 (0.1%) | 0.028 |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.5% | 77.2% | 66.3% | 0.9% | 0.3% | 0.9% | 1.95 |
| Routine Infant Or Child Health Check | 47.9% | 66.7% | 47.4% | 41.6% | 68.5% | 40.8% | 0.128 |
| Precocious Puberty | 39.5% | 40.4% | 39.5% | 0.2% | 0.1% | 0.2% | 1.151 |

Table 10a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 37.0% | 52.6% | 36.6% | 21.4% | 30.4% | 21.2% | 0.351 |
| Encounter For Immunization | 34.6% | 43.9% | 34.4% | 21.4% | 33.4% | 21.1% | 0.297 |
| Need Prophylactic Vaccination&inoculation Flu | 29.8% | 33.3% | 29.7% | 21.4% | 35.6% | 21.0% | 0.197 |
| Acute Pharyngitis | 25.2% | 38.6% | 24.9% | 26.6% | 49.0% | 25.9% | -0.033 |
| Acute Uris Of Unspecified Site | 18.6% | 24.6% | 18.5% | 19.6% | 36.3% | 19.1% | -0.025 |
| Acute Pharyngitis Unspecified | 16.1% | 26.3% | 15.9% | 11.2% | 18.6% | 11.0% | 0.145 |
| Cough | 13.9% | 17.5% | 13.8% | 11.9% | 22.1% | 11.6% | 0.062 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 11.4% | 22.8% | 11.1% | 10.2% | 21.7% | 9.8% | 0.039 |
| Other Hyperfunction Of Pituitary Gland | 11.3% | 12.3% | 11.3% | 0.0% | 0.0% | 0.0% | - |
| Streptococcal Sore Throat | 11.2% | 17.5% | 11.0% | 11.3% | 22.5% | 10.9% | -0.004 |
| Dietary Counseling And Surveillance | 11.2% | 15.8% | 11.1% | 5.5% | 7.2% | 5.4% | 0.23 |
| Acute Upper Respiratory Infection Unspecified | 10.8% | 12.3% | 10.8% | 7.3% | 11.1% | 7.2% | 0.122 |
| Fever Unspecified | 10.4% | 24.6% | 10.1% | 7.2% | 14.7% | 7.0% | 0.114 |
| Allergic Rhinitis Cause Unspecified | 10.4% | 15.8% | 10.2% | 8.5% | 15.6% | 8.3% | 0.065 |
| Need Proph Vacc Against Oth Spec Vacc | 10.1% | 19.3% | 9.9% | 10.3% | 22.1% | 9.9% | -0.007 |
| Other Unknown & unspec Cause Morbidity/Mortality | 9.8% | 8.8% | 9.8% | 7.4% | 10.9% | 7.3% | 0.098 |
| Other Specified Counseling | 9.6% | 14.0% | 9.5% | 4.8% | 6.5% | 4.7% | 0.218 |
| Acute Sinusitis, Unspecified | 9.5% | 14.0% | 9.4% | 7.8% | 17.6% | 7.5% | 0.06 |
| Unspecified Otitis Media | 9.3% | 12.3% | 9.2% | 8.9% | 16.0% | 8.7% | 0.012 |

Table 10a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Abdominal Pain, Unspecified Site | 9.0% | 14.0% | 8.9% | 8.9% | 17.6% | 8.6% | 0.005 |
| Headache | 8.8% | 26.3% | 8.4% | 6.2% | 12.1% | 6.0% | 0.103 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 8.8% | 12.3% | 8.7% | 3.7% | 5.9% | 3.6% | 0.215 |
| Unspecified Viral Infection In Cce & Uns Site | 8.7% | 8.8% | 8.7% | 9.0% | 17.7% | 8.7% | -0.011 |
| Other Acne | 7.9% | 8.8% | 7.9% | 5.1% | 10.8% | 5.0% | 0.116 |
| Cough | 7.8% | 15.8% | 7.6% | 5.2% | 9.0% | 5.1% | 0.107 |
| Need Proph Vacc&inoculat Against Viral Hep | 7.2% | 12.3% | 7.1% | 7.0% | 13.4% | 6.8% | 0.007 |
| Myopia | 7.0% | 7.0% | 7.0% | 7.0% | 11.5% | 6.9% | 0 |
| Need Proph Vaccination&inoculat Oth Viral Dz | 6.9% | 14.0% | 6.7% | 6.2% | 13.6% | 6.0% | 0.03 |
| Streptococcal Pharyngitis | 6.9% | 8.8% | 6.8% | 4.5% | 7.2% | 4.4% | 0.101 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 6.5% | 14.0% | 6.3% | 5.6% | 10.9% | 5.4% | 0.036 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 6.2% | 7.0% | 6.2% | 4.1% | 5.7% | 4.0% | 0.102 |
| Fever Unspecified | 5.8% | 12.3% | 5.7% | 3.8% | 5.7% | 3.8% | 0.096 |
| Headache | 5.8% | 8.8% | 5.8% | 2.7% | 5.3% | 2.6% | 0.157 |
| Pain In Soft Tissues Of Limb | 5.8% | 19.3% | 5.5% | 5.2% | 16.6% | 4.8% | 0.029 |
| Myopia Bilateral | 5.7% | 7.0% | 5.7% | 2.7% | 4.4% | 2.7% | 0.154 |
| Short Stature | 5.5% | 10.5% | 5.4% | 0.4% | 0.8% | 0.4% | 0.31 |
| Body Mass Index Bmi Ped >/Equal 95th% For Age | 5.4% | 1.8% | 5.4% | 1.0% | 1.1% | 1.0% | 0.259 |

Table 10a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 5.3% | 0.0% | 5.4% | 2.4% | 3.7% | 2.4% | 0.163 |
| Examination Of Eyes And Vision | 5.2% | 5.3% | 5.2% | 5.4% | 8.3% | 5.3% | -0.008 |
| Obesity, Unspecified | 5.1% | 5.3% | 5.1% | 1.6% | 3.0% | 1.6% | 0.203 |
| Urinary Tract Infection Site Not Specified | 5.0% | 10.5% | 4.9% | 4.1% | 8.2% | 4.0% | 0.044 |
| Dietary Surveillance And Counseling | 4.9% | 5.3% | 4.9% | 5.6% | 9.3% | 5.5% | -0.041 |
| Asthma, Unspecified, Unspecified Status | 4.6% | 5.3% | 4.6% | 3.8% | 6.4% | 3.8% | 0.038 |
| Exercise Counseling | 4.5% | 3.5% | 4.5% | 4.6% | 8.0% | 4.5% | -0.005 |
| Unspecified Constipation | 4.5% | 1.8% | 4.5% | 2.6% | 4.5% | 2.6% | 0.101 |
| Hypermetropia | 4.4% | 3.5% | 4.4% | 3.8% | 6.1% | 3.7% | 0.035 |
| Unspecified Otagia | 4.2% | 8.8% | 4.1% | 2.8% | 6.5% | 2.7% | 0.078 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.8% | 10.5% | 10.8% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 10.3% | 21.1% | 10.1% | 8.7% | 12.8% | 8.6% | 0.054 |
| Leuprolide Acetate | 7.5% | 15.8% | 7.3% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 7.5% | 17.5% | 7.3% | 6.9% | 14.3% | 6.7% | 0.022 |
| Leuprolide Acetate | 7.3% | 10.5% | 7.3% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.5% | 8.8% | 4.4% | 2.8% | 7.9% | 2.7% | 0.088 |
| Azithromycin | 4.2% | 1.8% | 4.3% | 2.8% | 4.6% | 2.8% | 0.078 |
| Ciprofloxacin | 4.2% | 8.8% | 4.1% | 2.8% | 6.4% | 2.7% | 0.077 |
| Hcl/Dexamethasone | | | | | | | |
| Amoxicillin | 4.0% | 1.8% | 4.1% | 3.2% | 4.8% | 3.2% | 0.043 |
| Histrelin Acetate | 4.0% | 5.3% | 4.0% | 0.0% | 0.1% | 0.0% | 0.293 |
| Leuprolide Acetate | 4.0% | 7.0% | 4.0% | 0.0% | 0.0% | 0.0% | - |

Table 10a. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Azithromycin | 4.0% | 1.8% | 4.0% | 2.9% | 4.9% | 2.8% | 0.06 |
| Amoxicillin | 3.9% | 3.5% | 3.9% | 2.5% | 4.2% | 2.5% | 0.078 |
| Leuprolide Acetate | 3.9% | 5.3% | 3.8% | 0.0% | 0.0% | 0.0% | - |
| Lidocaine/Prilocaine | 3.6% | 7.0% | 3.5% | 0.1% | 0.1% | 0.1% | 0.266 |
| Leuprolide Acetate | 3.5% | 5.3% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.4% | 7.0% | 3.3% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.3% | 7.0% | 3.2% | 3.4% | 5.2% | 3.3% | -0.003 |
| Albuterol Sulfate | 2.6% | 0.0% | 2.6% | 1.5% | 1.9% | 1.5% | 0.078 |
| Azithromycin | 2.5% | 5.3% | 2.5% | 1.9% | 4.2% | 1.9% | 0.043 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 10b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|----------------------|---------------|------------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,007 (100.0%) | 68 (100.0%) | 2,939 (100.0%) | 3,007 (100.0%) | 85 (100.0%) | 2,922 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,049.6 (992.6) | 704.1 (613.1) | 1,057.6 (998.5) | 1,085.3 (1026.9) | 670.8 (610.8) | 1,097.3 (1033.0) | -0.035 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 7.9 (1.4) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 81 (2.7%) | 0 (0.0%) | 81 (2.8%) | 84 (2.8%) | 2 (2.4%) | 81 (2.8%) | -0.005 |
| 3-4 | 104 (3.5%) | 1 (1.5%) | 103 (3.5%) | 101 (3.4%) | 4 (4.4%) | 97 (3.3%) | 0.006 |
| 5-6 | 387 (12.9%) | 14 (20.6%) | 373 (12.7%) | 391 (13.0%) | 11 (13.4%) | 380 (13.0%) | -0.004 |
| 7-8 | 1,564 (52.0%) | 40 (58.8%) | 1,524 (51.9%) | 1,558 (51.8%) | 45 (53.2%) | 1,513 (51.8%) | 0.004 |
| 9-10 | 871 (29.0%) | 13 (19.1%) | 858 (29.2%) | 874 (29.1%) | 23 (26.7%) | 851 (29.1%) | -0.002 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 9 (0.3%) | 0 (0.1%) | 9 (0.3%) | -0.015 |
| Asian | 117 (3.9%) | 1 (1.5%) | 116 (3.9%) | 65 (2.2%) | 2 (2.7%) | 63 (2.2%) | 0.11 |
| Black or African American | 169 (5.6%) | 2 (2.9%) | 167 (5.7%) | 184 (6.1%) | 3 (3.7%) | 181 (6.2%) | -0.024 |
| Native Hawaiian or Other Pacific Islander | 21 (0.7%) | 1 (1.5%) | 20 (0.7%) | 17 (0.6%) | 0 (0.4%) | 17 (0.6%) | 0.02 |
| Unknown | 2,370 (78.8%) | 53 (77.9%) | 2,317 (78.8%) | 2,347 (78.0%) | 62 (73.5%) | 2,284 (78.2%) | 0.025 |
| White | 323 (10.7%) | 11 (16.2%) | 312 (10.6%) | 384 (12.8%) | 17 (19.7%) | 367 (12.6%) | -0.071 |
| Anti-epileptic drugs | 81 (2.7%) | 2 (2.9%) | 79 (2.7%) | 57 (1.9%) | 3 (4.1%) | 53 (1.8%) | 0.055 |
| Anticoagulants | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 6 (0.2%) | 0 (0.2%) | 6 (0.2%) | 0.058 |
| Antidepressants | 180 (6.0%) | 5 (7.4%) | 175 (6.0%) | 158 (5.2%) | 9 (10.8%) | 149 (5.1%) | 0.032 |
| Beta blockers | 26 (0.9%) | 0 (0.0%) | 26 (0.9%) | 17 (0.6%) | 1 (1.1%) | 16 (0.6%) | 0.035 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 79 (2.6%) | 4 (5.9%) | 75 (2.6%) | 27 (0.9%) | 1 (1.4%) | 25 (0.9%) | 0.134 |
| Corticosteroids | 669 (22.2%) | 26 (38.2%) | 643 (21.9%) | 662 (22.0%) | 34 (39.6%) | 628 (21.5%) | 0.006 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 10b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 290 (9.6%) | 6 (8.8%) | 284 (9.7%) | 21 (0.7%) | 1 (0.7%) | 20 (0.7%) | 0.415 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 47 (1.6%) | 3 (4.4%) | 44 (1.5%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.175 |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.036 |
| Medroxyprogesterone | 56 (1.9%) | 2 (2.9%) | 54 (1.8%) | 45 (1.5%) | 2 (2.2%) | 43 (1.5%) | 0.03 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 69 (2.3%) | 2 (2.9%) | 67 (2.3%) | 68 (2.3%) | 5 (5.3%) | 64 (2.2%) | 0.002 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 28 (0.9%) | 0 (0.0%) | 28 (1.0%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.123 |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.101 |
| Short-acting histrelin | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.034 |
| Short-acting leuprolide acetate | 5 (0.2%) | 0 (0.0%) | 5 (0.2%) | 2 (0.1%) | 0 (0.1%) | 2 (0.1%) | 0.029 |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.072 |
| Statins | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.049 |
| Thiazide diuretics | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0.04 |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.6% | 77.2% | 66.3% | 21.3% | 28.5% | 21.1% | 1.032 |
| Routine Infant Or Child Health Check | 47.8% | 66.7% | 47.4% | 50.7% | 73.2% | 50.0% | -0.058 |
| Precocious Puberty | 39.5% | 40.4% | 39.4% | 6.7% | 6.4% | 6.7% | 0.855 |

Table 10b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 37.0% | 52.6% | 36.6% | 35.0% | 45.2% | 34.7% | 0.042 |
| Encounter For Immunization | 34.6% | 43.9% | 34.4% | 32.8% | 41.1% | 32.5% | 0.04 |
| Need Prophylactic Vaccination & inoculation Flu | 29.7% | 33.3% | 29.6% | 27.8% | 41.0% | 27.4% | 0.043 |
| Acute Pharyngitis | 25.3% | 38.6% | 24.9% | 28.2% | 51.0% | 27.5% | -0.066 |
| Acute Uris Of Unspecified Site | 18.7% | 24.6% | 18.6% | 20.0% | 35.6% | 19.6% | -0.033 |
| Acute Pharyngitis Unspecified | 16.1% | 26.3% | 15.9% | 16.5% | 24.5% | 16.3% | -0.012 |
| Cough | 13.9% | 17.5% | 13.8% | 13.8% | 27.1% | 13.4% | 0.003 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 11.3% | 22.8% | 11.1% | 11.3% | 22.9% | 10.9% | 0.001 |
| Other Hyperfunction Of Pituitary Gland | 11.3% | 12.3% | 11.3% | 0.4% | 0.3% | 0.4% | 0.481 |
| Streptococcal Sore Throat | 11.3% | 17.5% | 11.1% | 11.8% | 20.6% | 11.5% | -0.016 |
| Dietary Counseling And Surveillance | 11.1% | 15.8% | 11.0% | 10.1% | 11.6% | 10.0% | 0.039 |
| Acute Upper Respiratory Infection Unspecified | 10.8% | 12.3% | 10.7% | 10.7% | 14.0% | 10.6% | 0.003 |
| Fever Unspecified | 10.5% | 24.6% | 10.1% | 9.2% | 18.6% | 8.9% | 0.044 |
| Allergic Rhinitis Cause Unspecified | 10.4% | 15.8% | 10.3% | 9.6% | 16.9% | 9.4% | 0.027 |
| Need Proph Vacc Against Oth Spec Vacc | 10.0% | 19.3% | 9.8% | 11.6% | 22.1% | 11.3% | -0.052 |
| Other Unknown & unspec Cause Morbidity/Mortality | 9.8% | 8.8% | 9.8% | 8.5% | 9.4% | 8.5% | 0.054 |
| Other Specified Counseling | 9.7% | 14.0% | 9.6% | 8.9% | 11.1% | 8.8% | 0.032 |
| Acute Sinusitis, Unspecified | 9.5% | 14.0% | 9.4% | 8.8% | 19.8% | 8.5% | 0.025 |
| Unspecified Otitis Media | 9.3% | 12.3% | 9.2% | 9.4% | 20.3% | 9.1% | -0.004 |

Table 10b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Headache | 8.9% | 26.3% | 8.5% | 7.6% | 17.6% | 7.3% | 0.046 |
| Abdominal Pain, Unspecified Site | 8.8% | 12.3% | 8.7% | 9.5% | 21.3% | 9.2% | -0.024 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 8.8% | 12.3% | 8.7% | 7.8% | 9.6% | 7.7% | 0.038 |
| Unspecified Viral Infection In Cce & Uns Site | 8.7% | 8.8% | 8.7% | 9.6% | 15.8% | 9.4% | -0.032 |
| Other Acne | 7.9% | 8.8% | 7.9% | 8.1% | 19.3% | 7.8% | -0.006 |
| Cough | 7.9% | 15.8% | 7.7% | 7.8% | 10.4% | 7.7% | 0.004 |
| Need Proph Vacc & inoculat Against Viral Hep | 7.2% | 12.3% | 7.0% | 6.6% | 13.4% | 6.4% | 0.021 |
| Myopia | 7.0% | 7.0% | 7.0% | 6.9% | 10.8% | 6.8% | 0.004 |
| Need Proph Vaccination&inoculat Oth Viral Dz | 6.9% | 14.0% | 6.8% | 7.4% | 14.7% | 7.2% | -0.02 |
| Streptococcal Pharyngitis | 6.9% | 8.8% | 6.8% | 6.5% | 8.3% | 6.4% | 0.017 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 6.5% | 14.0% | 6.3% | 6.6% | 11.0% | 6.5% | -0.006 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 6.2% | 7.0% | 6.1% | 5.7% | 5.8% | 5.7% | 0.022 |
| Fever Unspecified | 5.9% | 12.3% | 5.7% | 5.6% | 6.2% | 5.6% | 0.01 |
| Headache | 5.9% | 8.8% | 5.8% | 4.2% | 8.4% | 4.1% | 0.076 |
| Pain In Soft Tissues Of Limb | 5.8% | 19.3% | 5.5% | 5.6% | 18.4% | 5.2% | 0.01 |
| Myopia Bilateral | 5.7% | 7.0% | 5.7% | 4.3% | 5.2% | 4.3% | 0.066 |
| Short Stature | 5.5% | 10.5% | 5.4% | 1.6% | 2.8% | 1.6% | 0.213 |
| Body Mass Index Bmi Ped >/Equal 95th% For Age | 5.4% | 1.8% | 5.5% | 3.3% | 3.3% | 3.3% | 0.108 |

Table 10b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | | | | Weighted SMD (all) |
|---|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | Matched CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 5.3% | 0.0% | 5.4% | 4.4% | 4.6% | 4.4% | 0.048 |
| Examination Of Eyes And Vision | 5.1% | 5.3% | 5.1% | 5.5% | 10.7% | 5.3% | -0.015 |
| Urinary Tract Infection Site Not Specified | 5.1% | 10.5% | 4.9% | 4.0% | 7.8% | 3.8% | 0.054 |
| Obesity, Unspecified | 5.1% | 5.3% | 5.1% | 2.6% | 4.4% | 2.6% | 0.131 |
| Dietary Surveillance And Counseling | 4.9% | 5.3% | 4.8% | 6.8% | 8.1% | 6.8% | -0.118 |
| Asthma, Unspecified, Unspecified Status | 4.6% | 5.3% | 4.6% | 3.8% | 6.2% | 3.7% | 0.043 |
| Exercise Counseling | 4.5% | 3.5% | 4.5% | 6.4% | 8.1% | 6.3% | -0.112 |
| Unspecified Constipation | 4.5% | 1.8% | 4.6% | 3.9% | 8.3% | 3.8% | 0.029 |
| Hypermetropia | 4.4% | 3.5% | 4.4% | 4.0% | 4.7% | 4.0% | 0.018 |
| Unspecified Abdominal Pain | 4.2% | 5.3% | 4.1% | 3.5% | 6.3% | 3.5% | 0.033 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.8% | 10.5% | 10.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 10.3% | 21.1% | 10.1% | 10.8% | 17.0% | 10.6% | -0.014 |
| Albuterol Sulfate | 7.5% | 17.5% | 7.3% | 8.1% | 13.7% | 7.9% | -0.021 |
| Leuprolide Acetate | 7.5% | 15.8% | 7.3% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 7.4% | 10.5% | 7.3% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.5% | 8.8% | 4.4% | 3.6% | 7.7% | 3.5% | 0.048 |
| Azithromycin | 4.5% | 3.5% | 4.5% | 4.5% | 7.6% | 4.4% | -0.001 |
| Ciprofloxacin | 4.4% | 8.8% | 4.3% | 3.9% | 8.5% | 3.8% | 0.024 |
| Hcl/Dexamethasone | | | | | | | |
| Histrelin Acetate | 4.0% | 5.3% | 4.0% | 0.3% | 0.4% | 0.3% | 0.26 |
| Leuprolide Acetate | 4.0% | 7.0% | 4.0% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 4.0% | 1.8% | 4.1% | 4.5% | 7.1% | 4.5% | -0.026 |

Table 10b. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Major Fracture

| | Leuprolide Acetate Exposed Children Matched with CPP | | | Matched CPP Controls | | | Weighted SMD (all) |
|----------------------|--|------------|---------------|----------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Azithromycin | 4.0% | 1.8% | 4.1% | 3.3% | 6.6% | 3.2% | 0.036 |
| Leuprolide Acetate | 3.9% | 5.3% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.6% | 3.5% | 3.6% | 3.4% | 5.5% | 3.3% | 0.016 |
| Lidocaine/Prilocaine | 3.6% | 7.0% | 3.6% | 0.2% | 0.6% | 0.2% | 0.259 |
| Leuprolide Acetate | 3.5% | 5.3% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.4% | 7.0% | 3.4% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.3% | 7.0% | 3.2% | 3.3% | 6.6% | 3.2% | -0.001 |
| Albuterol Sulfate | 2.6% | 0.0% | 2.7% | 2.4% | 4.1% | 2.3% | 0.016 |
| Azithromycin | 2.5% | 5.3% | 2.5% | 2.0% | 3.5% | 2.0% | 0.037 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 10c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|---------------|-----------------|--------------------------|---------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 228 (100.0%) | 2,788 (100.0%) | 3,016 (100.0%) | 250 (100.0%) | 2,766 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 994.4 (955.2) | 804.0 (724.8) | 1,009.9 (968.8) | 1,017.0 (1100.9) | 915.8 (856.2) | 1,026.1 (1117.3) | -0.022 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | 8.1 (1.5) | 8.0 (1.8) | 8.0 (1.7) | 8.3 (1.6) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.9%) | 82 (2.7%) | 4 (1.5%) | 78 (2.8%) | 0 |
| 3-4 | 105 (3.5%) | 5 (2.2%) | 100 (3.6%) | 105 (3.5%) | 8 (3.3%) | 97 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 38 (16.7%) | 353 (12.7%) | 390 (12.9%) | 25 (10.1%) | 365 (13.2%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 118 (51.8%) | 1,448 (51.9%) | 1,566 (51.9%) | 125 (50.0%) | 1,441 (52.1%) | 0 |
| 9-10 | 872 (28.9%) | 67 (29.4%) | 805 (28.9%) | 873 (28.9%) | 88 (35.2%) | 785 (28.4%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.3%) | 7 (0.2%) | 1 (0.3%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 4 (1.8%) | 115 (4.1%) | 70 (2.3%) | 5 (1.8%) | 66 (2.4%) | 0.102 |
| Black or African American | 170 (5.6%) | 10 (4.4%) | 160 (5.7%) | 111 (3.7%) | 9 (3.4%) | 103 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 3 (1.3%) | 19 (0.7%) | 17 (0.6%) | 2 (0.8%) | 15 (0.5%) | 0.026 |
| Unknown | 2,371 (78.6%) | 173 (75.9%) | 2,198 (78.8%) | 2,417 (80.1%) | 180 (72.3%) | 2,236 (80.8%) | -0.049 |
| White | 327 (10.8%) | 38 (16.7%) | 289 (10.4%) | 393 (13.0%) | 53 (21.3%) | 340 (12.3%) | -0.077 |
| Anti-epileptic drugs | 81 (2.7%) | 12 (5.3%) | 69 (2.5%) | 41 (1.4%) | 12 (4.7%) | 29 (1.0%) | 0.096 |
| Anticoagulants | 17 (0.6%) | 4 (1.8%) | 13 (0.5%) | 4 (0.1%) | 1 (0.3%) | 3 (0.1%) | 0.073 |
| Antidepressants | 182 (6.0%) | 35 (15.4%) | 147 (5.3%) | 128 (4.2%) | 28 (11.4%) | 99 (3.6%) | 0.083 |
| Beta blockers | 26 (0.9%) | 4 (1.8%) | 22 (0.8%) | 17 (0.6%) | 4 (1.6%) | 13 (0.5%) | 0.037 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 81 (2.7%) | 12 (5.3%) | 69 (2.5%) | 25 (0.8%) | 5 (2.1%) | 20 (0.7%) | 0.143 |
| Corticosteroids | 669 (22.2%) | 89 (39.0%) | 580 (20.8%) | 577 (19.1%) | 96 (38.6%) | 481 (17.4%) | 0.076 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 10c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 293 (9.7%) | 22 (9.6%) | 271 (9.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.467 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 47 (1.6%) | 6 (2.6%) | 41 (1.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 2 (0.1%) | 1 (0.2%) | 2 (0.1%) | 0.02 |
| Medroxyprogesterone | 57 (1.9%) | 11 (4.8%) | 46 (1.6%) | 44 (1.5%) | 9 (3.5%) | 35 (1.3%) | 0.034 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 69 (2.3%) | 8 (3.5%) | 61 (2.2%) | 65 (2.2%) | 14 (5.7%) | 51 (1.8%) | 0.009 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 2 (0.9%) | 27 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 2 (0.9%) | 12 (0.4%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 6 (0.2%) | 3 (1.3%) | 3 (0.1%) | 1 (0.0%) | 0 (0.1%) | 1 (0.0%) | 0.044 |
| Thiazide diuretics | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 3 (0.1%) | 1 (0.2%) | 2 (0.1%) | 0.028 |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.5% | 81.7% | 65.3% | 0.9% | 0.3% | 0.9% | 1.95 |
| Routine Infant Or Child Health Check | 47.9% | 74.3% | 45.7% | 41.6% | 72.7% | 38.8% | 0.127 |
| Precocious Puberty | 39.5% | 35.6% | 39.8% | 0.2% | 0.0% | 0.2% | 1.152 |

Table 10c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 37.0% | 49.2% | 36.0% | 21.5% | 31.7% | 20.5% | 0.351 |
| Encounter For Immunization | 34.7% | 49.7% | 33.4% | 21.5% | 35.1% | 20.3% | 0.297 |
| Need Prophylactic Vaccination & inoculation Flu | 29.8% | 44.5% | 28.5% | 21.4% | 37.4% | 20.0% | 0.196 |
| Acute Pharyngitis | 25.2% | 49.7% | 23.2% | 26.7% | 52.9% | 24.3% | -0.034 |
| Acute Uris Of Unspecified Site | 18.6% | 38.2% | 17.0% | 19.6% | 39.0% | 17.9% | -0.026 |
| Acute Pharyngitis Unspecified | 16.2% | 31.9% | 14.9% | 11.3% | 19.7% | 10.5% | 0.144 |
| Cough | 13.9% | 24.6% | 13.0% | 11.9% | 24.4% | 10.8% | 0.06 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 11.4% | 26.2% | 10.1% | 10.2% | 22.5% | 9.1% | 0.038 |
| Other Hyperfunction Of Pituitary Gland | 11.3% | 9.9% | 11.4% | 0.0% | 0.0% | 0.0% | - |
| Dietary Counseling And Surveillance | 11.2% | 13.6% | 11.0% | 5.5% | 8.0% | 5.3% | 0.231 |
| Streptococcal Sore Throat | 11.2% | 18.8% | 10.5% | 11.3% | 22.4% | 10.3% | -0.004 |
| Acute Upper Respiratory Infection Unspecified | 10.8% | 15.7% | 10.4% | 7.4% | 12.0% | 7.0% | 0.122 |
| Fever Unspecified | 10.4% | 18.3% | 9.8% | 7.3% | 14.8% | 6.6% | 0.113 |
| Allergic Rhinitis Cause Unspecified | 10.4% | 17.8% | 9.8% | 8.5% | 17.8% | 7.7% | 0.066 |
| Need Proph Vacc Against Oth Spec Vacc | 10.1% | 24.6% | 8.9% | 10.3% | 23.8% | 9.1% | -0.008 |
| Other Unknown&unspec Cause Morbidity/Mortality | 9.8% | 9.4% | 9.8% | 7.4% | 9.2% | 7.3% | 0.098 |
| Other Specified Counseling | 9.6% | 13.1% | 9.3% | 4.8% | 8.0% | 4.5% | 0.218 |
| Acute Sinusitis, Unspecified | 9.5% | 19.4% | 8.7% | 7.8% | 19.2% | 6.8% | 0.06 |
| Unspecified Otitis Media | 9.3% | 15.2% | 8.8% | 8.9% | 17.0% | 8.2% | 0.012 |

Table 10c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Abdominal Pain, Unspecified Site | 9.0% | 18.3% | 8.2% | 8.9% | 21.3% | 7.8% | 0.004 |
| Headache | 8.8% | 25.1% | 7.5% | 6.2% | 15.2% | 5.4% | 0.101 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 8.8% | 13.6% | 8.4% | 3.7% | 5.8% | 3.5% | 0.215 |
| Unspecified Viral Infection In Cce & Uns Site | 8.7% | 16.2% | 8.0% | 9.0% | 19.9% | 8.0% | -0.011 |
| Other Acne | 7.9% | 16.8% | 7.2% | 5.1% | 12.4% | 4.5% | 0.115 |
| Cough | 7.9% | 14.1% | 7.3% | 5.2% | 8.2% | 5.0% | 0.107 |
| Need Proph Vacc&inoculat Against Viral Hep | 7.2% | 13.1% | 6.7% | 7.0% | 13.3% | 6.5% | 0.006 |
| Myopia | 7.0% | 12.6% | 6.6% | 7.0% | 14.6% | 6.4% | -0.001 |
| Need Proph Vaccination & inoculat Oth Viral Dz | 6.9% | 14.7% | 6.2% | 6.2% | 15.5% | 5.4% | 0.029 |
| Streptococcal Pharyngitis | 6.9% | 9.4% | 6.6% | 4.5% | 6.6% | 4.4% | 0.101 |
| Contact Dermatitis&other Eczema Due Unspec Cause | 6.5% | 13.6% | 5.9% | 5.6% | 12.0% | 5.0% | 0.035 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 6.2% | 6.3% | 6.2% | 4.1% | 6.6% | 3.8% | 0.102 |
| Fever Unspecified | 5.9% | 11.5% | 5.4% | 3.8% | 5.2% | 3.7% | 0.097 |
| Headache | 5.9% | 11.0% | 5.5% | 2.7% | 6.2% | 2.4% | 0.157 |
| Pain In Soft Tissues Of Limb | 5.8% | 22.0% | 4.5% | 5.2% | 21.1% | 3.7% | 0.028 |
| Myopia Bilateral | 5.8% | 9.9% | 5.4% | 2.7% | 5.9% | 2.4% | 0.155 |
| Short Stature | 5.5% | 8.4% | 5.3% | 0.4% | 0.7% | 0.4% | 0.31 |
| Body Mass Index Bmi Ped >/Equal 95th% For Age | 5.4% | 6.8% | 5.3% | 1.0% | 1.3% | 1.0% | 0.26 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 5.3% | 4.7% | 5.3% | 2.5% | 4.4% | 2.3% | 0.162 |

Table 10c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Examination Of Eyes And Vision | 5.2% | 8.9% | 4.9% | 5.4% | 9.6% | 5.0% | -0.008 |
| Obesity, Unspecified | 5.1% | 12.6% | 4.5% | 1.6% | 3.2% | 1.5% | 0.203 |
| Urinary Tract Infection Site Not Specified | 5.0% | 12.0% | 4.5% | 4.2% | 10.0% | 3.6% | 0.044 |
| Dietary Surveillance And Counseling | 4.9% | 7.9% | 4.6% | 5.6% | 11.7% | 5.0% | -0.042 |
| Asthma, Unspecified, Unspecified Status | 4.6% | 8.9% | 4.2% | 3.9% | 8.6% | 3.4% | 0.038 |
| Exercise Counseling | 4.5% | 6.8% | 4.3% | 4.6% | 9.8% | 4.1% | -0.006 |
| Unspecified Constipation | 4.5% | 10.5% | 4.0% | 2.7% | 5.3% | 2.4% | 0.1 |
| Hypermetropia | 4.4% | 7.9% | 4.1% | 3.8% | 7.6% | 3.4% | 0.035 |
| Unspecified Otalgia | 4.2% | 9.4% | 3.8% | 2.8% | 6.9% | 2.4% | 0.077 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.8% | 6.3% | 11.2% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 10.3% | 13.6% | 10.0% | 8.8% | 12.6% | 8.4% | 0.054 |
| Leuprolide Acetate | 7.5% | 13.1% | 7.1% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 7.5% | 14.7% | 6.9% | 7.0% | 15.9% | 6.1% | 0.021 |
| Leuprolide Acetate | 7.3% | 13.1% | 6.9% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.5% | 13.1% | 3.8% | 2.9% | 8.5% | 2.3% | 0.087 |
| Ciprofloxacin | 4.4% | 12.0% | 3.8% | 2.9% | 5.8% | 2.6% | 0.083 |
| Hcl/Dexamethasone | | | | | | | |
| Azithromycin | 4.2% | 3.7% | 4.3% | 2.8% | 4.0% | 2.7% | 0.078 |
| Amoxicillin | 4.0% | 2.6% | 4.2% | 3.2% | 4.3% | 3.1% | 0.043 |
| Histrelin Acetate | 4.0% | 5.2% | 3.9% | 0.0% | 0.0% | 0.0% | 0.293 |
| Leuprolide Acetate | 4.0% | 4.7% | 4.0% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.0% | 9.9% | 3.5% | 2.9% | 4.9% | 2.7% | 0.06 |
| Leuprolide Acetate | 3.9% | 1.6% | 4.1% | 0.0% | 0.0% | 0.0% | - |

Table 10c. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Any Fracture

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 3.8% | 4.2% | 3.8% | 2.5% | 4.0% | 2.4% | 0.077 |
| Lidocaine/Prilocaine | 3.6% | 6.8% | 3.4% | 0.1% | 0.3% | 0.1% | 0.266 |
| Leuprolide Acetate | 3.5% | 4.2% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.4% | 6.8% | 3.1% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.3% | 2.1% | 3.4% | 3.4% | 4.9% | 3.2% | -0.004 |
| Albuterol Sulfate | 2.6% | 3.1% | 2.5% | 1.5% | 2.7% | 1.4% | 0.077 |
| Azithromycin | 2.5% | 7.9% | 2.1% | 2.0% | 5.8% | 1.6% | 0.041 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 10d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.7) | 1,726.0 (.) | 1,118.0 (1171.6) | -0.04 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 8.9 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (50.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (50.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (50.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (50.0%) | 393 (13.0%) | -0.077 |
| Anti-epileptic drugs | 81 (2.7%) | 0 (0.0%) | 81 (2.7%) | 41 (1.4%) | 0 (0.0%) | 41 (1.4%) | 0.096 |
| Anticoagulants | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 0.073 |
| Antidepressants | 182 (6.0%) | 0 (0.0%) | 182 (6.0%) | 128 (4.2%) | 0 (0.0%) | 128 (4.2%) | 0.083 |
| Beta blockers | 26 (0.9%) | 0 (0.0%) | 26 (0.9%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.037 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 81 (2.7%) | 0 (0.0%) | 81 (2.7%) | 25 (0.8%) | 0 (0.0%) | 25 (0.8%) | 0.143 |
| Corticosteroids | 669 (22.2%) | 0 (0.0%) | 669 (22.2%) | 577 (19.1%) | 0 (50.0%) | 577 (19.1%) | 0.076 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 10d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 293 (9.7%) | 0 (0.0%) | 293 (9.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.467 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 47 (1.6%) | 0 (0.0%) | 47 (1.6%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0.02 |
| Medroxyprogesterone | 57 (1.9%) | 0 (0.0%) | 57 (1.9%) | 44 (1.5%) | 0 (0.0%) | 44 (1.5%) | 0.034 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 69 (2.3%) | 0 (0.0%) | 69 (2.3%) | 65 (2.2%) | 0 (0.0%) | 65 (2.2%) | 0.009 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.044 |
| Thiazide diuretics | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.028 |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.5% | 0.0% | 66.5% | 0.9% | 0.0% | 0.9% | 1.95 |
| Routine Infant Or Child Health Check | 47.9% | 0.0% | 47.9% | 41.6% | 100.0% | 41.6% | 0.127 |
| Precocious Puberty | 39.5% | 0.0% | 39.5% | 0.2% | 0.0% | 0.2% | 1.152 |

Table 10d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 37.0% | 0.0% | 37.0% | 21.5% | 0.0% | 21.5% | 0.351 |
| Encounter For Immunization | 34.7% | 0.0% | 34.7% | 21.5% | 0.0% | 21.5% | 0.297 |
| Need Prophylactic Vaccination & inoculation Flu | 29.8% | 0.0% | 29.8% | 21.4% | 0.0% | 21.4% | 0.196 |
| Acute Pharyngitis | 25.2% | 0.0% | 25.2% | 26.7% | 50.0% | 26.7% | -0.034 |
| Acute Uris Of Unspecified Site | 18.6% | 0.0% | 18.6% | 19.6% | 0.0% | 19.6% | -0.026 |
| Acute Pharyngitis Unspecified | 16.2% | 0.0% | 16.2% | 11.3% | 0.0% | 11.3% | 0.144 |
| Cough | 13.9% | 0.0% | 13.9% | 11.9% | 50.0% | 11.9% | 0.06 |
| Need Proph Vac W/Comb | 11.4% | 0.0% | 11.4% | 10.2% | 0.0% | 10.2% | 0.038 |
| Diphth-Tetanus-Pertuss Vac | | | | | | | |
| Other Hyperfunction Of Pituitary Gland | 11.3% | 0.0% | 11.3% | 0.0% | 0.0% | 0.0% | - |
| Dietary Counseling And Surveillance | 11.2% | 0.0% | 11.2% | 5.5% | 0.0% | 5.5% | 0.231 |
| Streptococcal Sore Throat | 11.2% | 0.0% | 11.2% | 11.3% | 0.0% | 11.3% | -0.004 |
| Acute Upper Respiratory Infection Unspecified | 10.8% | 0.0% | 10.8% | 7.4% | 0.0% | 7.4% | 0.122 |
| Fever Unspecified | 10.4% | 0.0% | 10.4% | 7.3% | 0.0% | 7.3% | 0.113 |
| Allergic Rhinitis Cause Unspecified | 10.4% | 0.0% | 10.4% | 8.5% | 0.0% | 8.5% | 0.066 |
| Need Proph Vacc Against Oth Spec Vacc | 10.1% | 0.0% | 10.1% | 10.3% | 0.0% | 10.3% | -0.008 |
| Other Unknown & unspec Cause Morbidity/Mortality | 9.8% | 0.0% | 9.8% | 7.4% | 0.0% | 7.4% | 0.098 |
| Other Specified Counseling | 9.6% | 0.0% | 9.6% | 4.8% | 0.0% | 4.8% | 0.218 |
| Acute Sinusitis, Unspecified | 9.5% | 0.0% | 9.5% | 7.8% | 0.0% | 7.8% | 0.06 |
| Unspecified Otitis Media | 9.3% | 0.0% | 9.3% | 8.9% | 0.0% | 8.9% | 0.012 |

Table 10d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|--------------------------|--------------------|
| | Controls | | | | | Matched Non-CPP Controls | |
| | All | With event | Without event | All | With event | Without event | |
| Abdominal Pain, Unspecified Site | 9.0% | 0.0% | 9.0% | 8.9% | 50.0% | 8.9% | 0.004 |
| Headache | 8.8% | 0.0% | 8.8% | 6.2% | 0.0% | 6.2% | 0.101 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 8.8% | 0.0% | 8.8% | 3.7% | 0.0% | 3.7% | 0.215 |
| Unspecified Viral Infection In Cce & Uns Site | 8.7% | 0.0% | 8.7% | 9.0% | 0.0% | 9.0% | -0.011 |
| Other Acne | 7.9% | 0.0% | 7.9% | 5.1% | 0.0% | 5.1% | 0.115 |
| Cough | 7.9% | 0.0% | 7.9% | 5.2% | 0.0% | 5.2% | 0.107 |
| Need Proph Vacc&inoculat Against Viral Hep | 7.2% | 0.0% | 7.2% | 7.0% | 0.0% | 7.0% | 0.006 |
| Myopia | 7.0% | 0.0% | 7.0% | 7.0% | 50.0% | 7.0% | -0.001 |
| Need Proph Vaccination & inoculat Oth Viral Dz | 6.9% | 0.0% | 6.9% | 6.2% | 0.0% | 6.2% | 0.029 |
| Streptococcal Pharyngitis | 6.9% | 0.0% | 6.9% | 4.5% | 0.0% | 4.5% | 0.101 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 6.5% | 0.0% | 6.5% | 5.6% | 0.0% | 5.6% | 0.035 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 6.2% | 0.0% | 6.2% | 4.1% | 0.0% | 4.1% | 0.102 |
| Fever Unspecified | 5.9% | 0.0% | 5.9% | 3.8% | 0.0% | 3.8% | 0.097 |
| Headache | 5.9% | 0.0% | 5.9% | 2.7% | 0.0% | 2.7% | 0.157 |
| Pain In Soft Tissues Of Limb | 5.8% | 0.0% | 5.8% | 5.2% | 0.0% | 5.2% | 0.028 |
| Myopia Bilateral | 5.8% | 0.0% | 5.8% | 2.7% | 0.0% | 2.7% | 0.155 |
| Short Stature | 5.5% | 0.0% | 5.5% | 0.4% | 0.0% | 0.4% | 0.31 |
| Body Mass Index Bmi Ped >/Equal 95th% For Age | 5.4% | 0.0% | 5.4% | 1.0% | 0.0% | 1.0% | 0.26 |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 5.3% | 0.0% | 5.3% | 2.5% | 0.0% | 2.5% | 0.162 |

Table 10d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | | | | Weighted SMD (all) |
|---|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | Matched Non-CPP Controls | | | |
| | All | With event | Without event | All | With event | Without event | |
| Examination Of Eyes And Vision | 5.2% | 0.0% | 5.2% | 5.4% | 0.0% | 5.4% | -0.008 |
| Obesity, Unspecified | 5.1% | 0.0% | 5.1% | 1.6% | 50.0% | 1.6% | 0.203 |
| Urinary Tract Infection Site Not Specified | 5.0% | 0.0% | 5.0% | 4.2% | 50.0% | 4.2% | 0.044 |
| Dietary Surveillance And Counseling | 4.9% | 0.0% | 4.9% | 5.6% | 0.0% | 5.6% | -0.042 |
| Asthma, Unspecified, Unspecified Status | 4.6% | 0.0% | 4.6% | 3.9% | 0.0% | 3.9% | 0.038 |
| Exercise Counseling | 4.5% | 0.0% | 4.5% | 4.6% | 0.0% | 4.6% | -0.006 |
| Unspecified Constipation | 4.5% | 0.0% | 4.5% | 2.7% | 0.0% | 2.7% | 0.1 |
| Hypermetropia | 4.4% | 0.0% | 4.4% | 3.8% | 0.0% | 3.8% | 0.035 |
| Unspecified Otalgia | 4.2% | 0.0% | 4.2% | 2.8% | 0.0% | 2.8% | 0.077 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.8% | 0.0% | 10.8% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 10.3% | 0.0% | 10.3% | 8.8% | 50.0% | 8.8% | 0.054 |
| Leuprolide Acetate | 7.5% | 0.0% | 7.5% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 7.5% | 0.0% | 7.5% | 7.0% | 0.0% | 7.0% | 0.021 |
| Leuprolide Acetate | 7.3% | 0.0% | 7.3% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.5% | 0.0% | 4.5% | 2.9% | 0.0% | 2.9% | 0.087 |
| Ciprofloxacin | 4.4% | 0.0% | 4.4% | 2.9% | 0.0% | 2.9% | 0.083 |
| Hcl/Dexamethasone | | | | | | | |
| Azithromycin | 4.2% | 0.0% | 4.2% | 2.8% | 0.0% | 2.8% | 0.078 |
| Amoxicillin | 4.0% | 0.0% | 4.0% | 3.2% | 0.0% | 3.2% | 0.043 |
| Histrelin Acetate | 4.0% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | 0.293 |
| Leuprolide Acetate | 4.0% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.0% | 0.0% | 4.0% | 2.9% | 0.0% | 2.9% | 0.06 |
| Leuprolide Acetate | 3.9% | 0.0% | 3.9% | 0.0% | 0.0% | 0.0% | - |

Table 10d. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Hip Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Amoxicillin | 3.8% | 0.0% | 3.8% | 2.5% | 0.0% | 2.5% | 0.077 |
| Lidocaine/Prilocaine | 3.6% | 0.0% | 3.6% | 0.1% | 0.0% | 0.1% | 0.266 |
| Leuprolide Acetate | 3.5% | 0.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.4% | 0.0% | 3.4% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.3% | 0.0% | 3.3% | 3.4% | 50.0% | 3.4% | -0.004 |
| Albuterol Sulfate | 2.6% | 0.0% | 2.6% | 1.5% | 0.0% | 1.5% | 0.077 |
| Azithromycin | 2.5% | 0.0% | 2.5% | 2.0% | 0.0% | 2.0% | 0.041 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Table 10e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|--|------------|------------------|--------------------------|-------------|------------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Patients (Number) | 3,016 (100.0%) | 0 (0.0%) | 3,016 (100.0%) | 3,016 (100.0%) | 0 (100.0%) | 3,016 (100.0%) | - |
| Follow-up time (Mean, Standard Deviation) | 1,074.3 (1006.3) | - | 1,074.3 (1006.3) | 1,118.1 (1171.6) | 3,557.0 (.) | 1,118.0 (1171.6) | -0.04 |
| Characteristics | | | | | | | |
| Mean age (years) | 8.0 (1.7) | - | 8.0 (1.7) | 8.0 (1.7) | 4.6 (.) | 8.0 (1.7) | 0 |
| Age (years) | | | | | | | |
| 0-2 | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 82 (2.7%) | 0 (0.0%) | 82 (2.7%) | 0 |
| 3-4 | 105 (3.5%) | 0 (0.0%) | 105 (3.5%) | 105 (3.5%) | 0 (100.0%) | 105 (3.5%) | 0 |
| 5-6 | 391 (13.0%) | 0 (0.0%) | 391 (13.0%) | 390 (12.9%) | 0 (0.0%) | 390 (12.9%) | 0.001 |
| 7-8 | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 1,566 (51.9%) | 0 (0.0%) | 1,566 (51.9%) | 0 |
| 9-10 | 872 (28.9%) | 0 (0.0%) | 872 (28.9%) | 873 (28.9%) | 0 (0.0%) | 873 (28.9%) | -0.001 |
| Race | | | | | | | |
| American Indian or Alaska Native | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | 7 (0.2%) | 0 (0.0%) | 7 (0.2%) | -0.003 |
| Asian | 119 (3.9%) | 0 (0.0%) | 119 (3.9%) | 70 (2.3%) | 0 (0.0%) | 70 (2.3%) | 0.102 |
| Black or African American | 170 (5.6%) | 0 (0.0%) | 170 (5.6%) | 111 (3.7%) | 0 (0.0%) | 111 (3.7%) | 0.1 |
| Native Hawaiian or Other Pacific Islander | 22 (0.7%) | 0 (0.0%) | 22 (0.7%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.026 |
| Unknown | 2,371 (78.6%) | 0 (0.0%) | 2,371 (78.6%) | 2,417 (80.1%) | 0 (100.0%) | 2,417 (80.1%) | -0.049 |
| White | 327 (10.8%) | 0 (0.0%) | 327 (10.8%) | 393 (13.0%) | 0 (0.0%) | 393 (13.0%) | -0.077 |
| Anti-epileptic drugs | 81 (2.7%) | 0 (0.0%) | 81 (2.7%) | 41 (1.4%) | 0 (0.0%) | 41 (1.4%) | 0.096 |
| Anticoagulants | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 0.073 |
| Antidepressants | 182 (6.0%) | 0 (0.0%) | 182 (6.0%) | 128 (4.2%) | 0 (0.0%) | 128 (4.2%) | 0.083 |
| Beta blockers | 26 (0.9%) | 0 (0.0%) | 26 (0.9%) | 17 (0.6%) | 0 (0.0%) | 17 (0.6%) | 0.037 |
| Bisphosphonates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Chemotherapy | 81 (2.7%) | 0 (0.0%) | 81 (2.7%) | 25 (0.8%) | 0 (0.0%) | 25 (0.8%) | 0.143 |
| Corticosteroids | 669 (22.2%) | 0 (0.0%) | 669 (22.2%) | 577 (19.1%) | 0 (100.0%) | 577 (19.1%) | 0.076 |
| Cyclosporine | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |

Table 10e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Long-acting goserelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting histrelin | 293 (9.7%) | 0 (0.0%) | 293 (9.7%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0.467 |
| Long-acting leuprolide acetate (excluding Lupron Depot-Ped) | 47 (1.6%) | 0 (0.0%) | 47 (1.6%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Long-acting triptorelin | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Loop diuretics | 4 (0.1%) | 0 (0.0%) | 4 (0.1%) | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0.02 |
| Medroxyprogesterone | 57 (1.9%) | 0 (0.0%) | 57 (1.9%) | 44 (1.5%) | 0 (100.0%) | 44 (1.5%) | 0.034 |
| Nitrates | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Proton pump inhibitors | 69 (2.3%) | 0 (0.0%) | 69 (2.3%) | 65 (2.2%) | 0 (100.0%) | 65 (2.1%) | 0.009 |
| Short-acting Gonadotropin-Releasing Hormone (GnRH) agonists | 29 (1.0%) | 0 (0.0%) | 29 (1.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting gonadorelin | 14 (0.5%) | 0 (0.0%) | 14 (0.5%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting histrelin | 2 (0.1%) | 0 (0.0%) | 2 (0.1%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting leuprolide acetate | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Short-acting nafarelin | 8 (0.3%) | 0 (0.0%) | 8 (0.3%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | - |
| Statins | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 1 (0.0%) | 0 (0.0%) | 1 (0.0%) | 0.044 |
| Thiazide diuretics | 6 (0.2%) | 0 (0.0%) | 6 (0.2%) | 3 (0.1%) | 0 (0.0%) | 3 (0.1%) | 0.028 |
| Top Diagnoses among Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Precocious Sexual Development And Puberty Nec | 66.5% | 0.0% | 66.5% | 0.9% | 0.0% | 0.9% | 1.95 |
| Routine Infant Or Child Health Check | 47.9% | 0.0% | 47.9% | 41.6% | 100.0% | 41.6% | 0.127 |
| Precocious Puberty | 39.5% | 0.0% | 39.5% | 0.2% | 0.0% | 0.2% | 1.152 |

Table 10e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Encounter Rtn Child Health Exam W/O Abnorml Find | 37.0% | 0.0% | 37.0% | 21.5% | 0.0% | 21.5% | 0.351 |
| Encounter For Immunization | 34.7% | 0.0% | 34.7% | 21.5% | 0.0% | 21.5% | 0.297 |
| Need Prophylactic Vaccination & inoculation Flu | 29.8% | 0.0% | 29.8% | 21.4% | 100.0% | 21.4% | 0.196 |
| Acute Pharyngitis | 25.2% | 0.0% | 25.2% | 26.7% | 100.0% | 26.7% | -0.034 |
| Acute Uris Of Unspecified Site | 18.6% | 0.0% | 18.6% | 19.6% | 100.0% | 19.6% | -0.026 |
| Acute Pharyngitis Unspecified | 16.2% | 0.0% | 16.2% | 11.3% | 0.0% | 11.3% | 0.144 |
| Cough | 13.9% | 0.0% | 13.9% | 11.9% | 100.0% | 11.9% | 0.06 |
| Need Proph Vac W/Comb Diphth-Tetanus-Pertuss Vac | 11.4% | 0.0% | 11.4% | 10.2% | 0.0% | 10.2% | 0.038 |
| Other Hyperfunction Of Pituitary Gland | 11.3% | 0.0% | 11.3% | 0.0% | 0.0% | 0.0% | - |
| Dietary Counseling And Surveillance | 11.2% | 0.0% | 11.2% | 5.5% | 0.0% | 5.5% | 0.231 |
| Streptococcal Sore Throat | 11.2% | 0.0% | 11.2% | 11.3% | 100.0% | 11.3% | -0.004 |
| Acute Upper Respiratory Infection Unspecified | 10.8% | 0.0% | 10.8% | 7.4% | 0.0% | 7.4% | 0.122 |
| Fever Unspecified | 10.4% | 0.0% | 10.4% | 7.3% | 100.0% | 7.3% | 0.113 |
| Allergic Rhinitis Cause Unspecified | 10.4% | 0.0% | 10.4% | 8.5% | 100.0% | 8.5% | 0.066 |
| Need Proph Vacc Against Oth Spec Vacc | 10.1% | 0.0% | 10.1% | 10.3% | 0.0% | 10.3% | -0.008 |
| Other Unknown & unspec Cause Morbidity/Mortality | 9.8% | 0.0% | 9.8% | 7.4% | 0.0% | 7.4% | 0.098 |
| Other Specified Counseling | 9.6% | 0.0% | 9.6% | 4.8% | 0.0% | 4.8% | 0.218 |
| Acute Sinusitis, Unspecified | 9.5% | 0.0% | 9.5% | 7.8% | 100.0% | 7.8% | 0.06 |
| Unspecified Otitis Media | 9.3% | 0.0% | 9.3% | 8.9% | 100.0% | 8.9% | 0.012 |

Table 10e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|--|--|------------|---------------|--------------------------|------------|---------------|--------------------|
| | Controls | | | | | | |
| | All | With event | Without event | All | With event | Without event | |
| Abdominal Pain, Unspecified Site | 9.0% | 0.0% | 9.0% | 8.9% | 100.0% | 8.9% | 0.004 |
| Headache | 8.8% | 0.0% | 8.8% | 6.2% | 100.0% | 6.2% | 0.101 |
| Encounter Rtn Child Health Exam W/Abnormal Find | 8.8% | 0.0% | 8.8% | 3.7% | 0.0% | 3.7% | 0.215 |
| Unspecified Viral Infection In Cce & Uns Site | 8.7% | 0.0% | 8.7% | 9.0% | 100.0% | 9.0% | -0.011 |
| Other Acne | 7.9% | 0.0% | 7.9% | 5.1% | 0.0% | 5.1% | 0.115 |
| Cough | 7.9% | 0.0% | 7.9% | 5.2% | 0.0% | 5.2% | 0.107 |
| Need Proph Vacc & inoculat Against Viral Hep | 7.2% | 0.0% | 7.2% | 7.0% | 0.0% | 7.0% | 0.006 |
| Myopia | 7.0% | 0.0% | 7.0% | 7.0% | 0.0% | 7.0% | -0.001 |
| Need Proph Vaccination&inoculat Oth Viral Dz | 6.9% | 0.0% | 6.9% | 6.2% | 0.0% | 6.2% | 0.029 |
| Streptococcal Pharyngitis | 6.9% | 0.0% | 6.9% | 4.5% | 0.0% | 4.5% | 0.101 |
| Contact Dermatitis & other Eczema Due Unspec Cause | 6.5% | 0.0% | 6.5% | 5.6% | 100.0% | 5.6% | 0.035 |
| Body Mass Index Bmi Pediatric 5th % <85th % Age | 6.2% | 0.0% | 6.2% | 4.1% | 0.0% | 4.1% | 0.102 |
| Fever Unspecified | 5.9% | 0.0% | 5.9% | 3.8% | 0.0% | 3.8% | 0.097 |
| Headache | 5.9% | 0.0% | 5.9% | 2.7% | 0.0% | 2.7% | 0.157 |
| Pain In Soft Tissues Of Limb | 5.8% | 0.0% | 5.8% | 5.2% | 100.0% | 5.2% | 0.028 |
| Myopia Bilateral | 5.8% | 0.0% | 5.8% | 2.7% | 100.0% | 2.7% | 0.155 |
| Short Stature | 5.5% | 0.0% | 5.5% | 0.4% | 0.0% | 0.4% | 0.31 |
| Body Mass Index Bmi Ped >/Equal 95th% For Age | 5.4% | 0.0% | 5.4% | 1.0% | 0.0% | 1.0% | 0.26 |

Table 10e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|---|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Encounter Exam Eyes & Vision W/O Abnormal Find | 5.3% | 0.0% | 5.3% | 2.5% | 0.0% | 2.5% | 0.162 |
| Examination Of Eyes And Vision | 5.2% | 0.0% | 5.2% | 5.4% | 0.0% | 5.4% | -0.008 |
| Obesity, Unspecified | 5.1% | 0.0% | 5.1% | 1.6% | 100.0% | 1.6% | 0.203 |
| Urinary Tract Infection Site Not Specified | 5.0% | 0.0% | 5.0% | 4.2% | 100.0% | 4.2% | 0.044 |
| Dietary Surveillance And Counseling | 4.9% | 0.0% | 4.9% | 5.6% | 0.0% | 5.6% | -0.042 |
| Asthma, Unspecified, Unspecified Status | 4.6% | 0.0% | 4.6% | 3.9% | 100.0% | 3.9% | 0.038 |
| Exercise Counseling | 4.5% | 0.0% | 4.5% | 4.6% | 0.0% | 4.6% | -0.006 |
| Unspecified Constipation | 4.5% | 0.0% | 4.5% | 2.7% | 0.0% | 2.7% | 0.1 |
| Hypermetropia | 4.4% | 0.0% | 4.4% | 3.8% | 100.0% | 3.8% | 0.035 |
| Unspecified Otagia | 4.2% | 0.0% | 4.2% | 2.8% | 100.0% | 2.8% | 0.077 |
| Top Prescription Medications Utilized by Leuprolide Acetate Exposed Children¹ | | | | | | | |
| Leuprolide Acetate | 10.8% | 0.0% | 10.8% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 10.3% | 0.0% | 10.3% | 8.8% | 0.0% | 8.8% | 0.054 |
| Leuprolide Acetate | 7.5% | 0.0% | 7.5% | 0.0% | 0.0% | 0.0% | - |
| Albuterol Sulfate | 7.5% | 0.0% | 7.5% | 7.0% | 100.0% | 7.0% | 0.021 |
| Leuprolide Acetate | 7.3% | 0.0% | 7.3% | 0.0% | 0.0% | 0.0% | - |
| Azithromycin | 4.5% | 0.0% | 4.5% | 2.9% | 0.0% | 2.9% | 0.087 |
| Ciprofloxacin | 4.4% | 0.0% | 4.4% | 2.9% | 0.0% | 2.9% | 0.083 |
| Hcl/Dexamethasone | | | | | | | |
| Azithromycin | 4.2% | 0.0% | 4.2% | 2.8% | 0.0% | 2.8% | 0.078 |
| Amoxicillin | 4.0% | 0.0% | 4.0% | 3.2% | 0.0% | 3.2% | 0.043 |
| Histrelin Acetate | 4.0% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | 0.293 |
| Leuprolide Acetate | 4.0% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | - |

Table 10e. Characteristics of Female Patients Exposed to Leuprolide Acetate and their Matched Non-Central Precocious Puberty (CPP) Controls from Index Date until the end of Follow-up in the Sentinel Distributed Database between January 1, 2000 and August 31, 2018, by Event Status, Temporomandibular Joint Replacement

| | Leuprolide Acetate Exposed Children Matched with Non-CPP Controls | | | Matched Non-CPP Controls | | | Weighted SMD (all) |
|----------------------|---|------------|---------------|--------------------------|------------|---------------|--------------------|
| | All | With event | Without event | All | With event | Without event | |
| Azithromycin | 4.0% | 0.0% | 4.0% | 2.9% | 0.0% | 2.9% | 0.06 |
| Leuprolide Acetate | 3.9% | 0.0% | 3.9% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.8% | 0.0% | 3.8% | 2.5% | 0.0% | 2.5% | 0.077 |
| Lidocaine/Prilocaine | 3.6% | 0.0% | 3.6% | 0.1% | 0.0% | 0.1% | 0.266 |
| Leuprolide Acetate | 3.5% | 0.0% | 3.5% | 0.0% | 0.0% | 0.0% | - |
| Leuprolide Acetate | 3.4% | 0.0% | 3.4% | 0.0% | 0.0% | 0.0% | - |
| Amoxicillin | 3.3% | 0.0% | 3.3% | 3.4% | 0.0% | 3.4% | -0.004 |
| Albuterol Sulfate | 2.6% | 0.0% | 2.6% | 1.5% | 0.0% | 1.5% | 0.077 |
| Azithromycin | 2.5% | 0.0% | 2.5% | 2.0% | 100.0% | 1.9% | 0.041 |

¹This section of the table includes data from 15 Data Partners.

*Characteristics in blue show a standardized difference greater than 0.1 or less than -0.1.

Figure 1. Kaplan Meier Survival Curves for Female Leuprolide Acetate Exposed Children Matched with Non-Central Precocious Puberty (CPP) Controls, Major Fracture, Overall

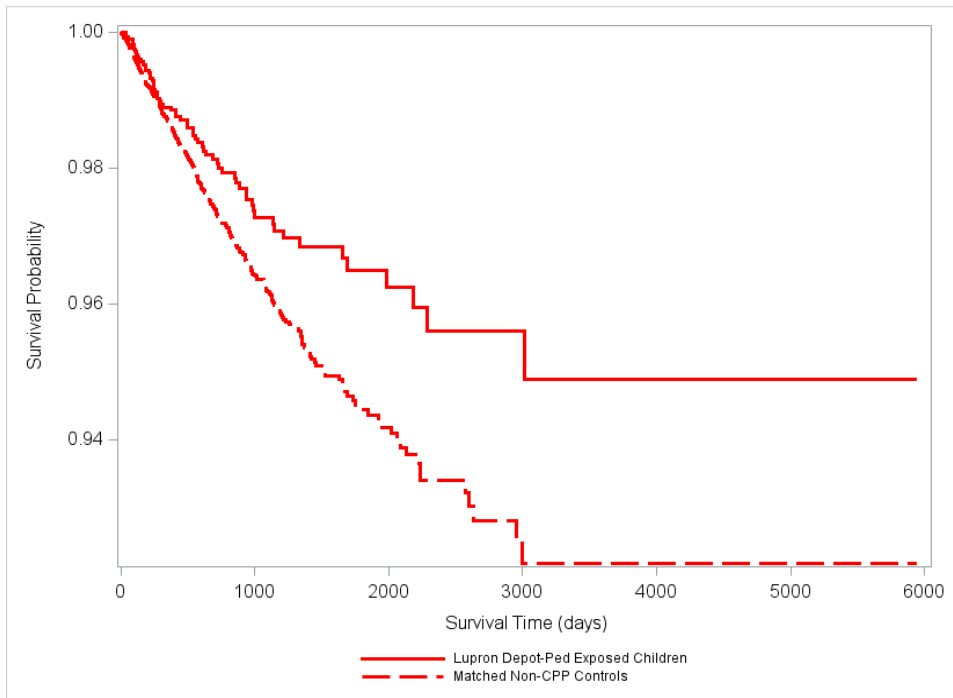
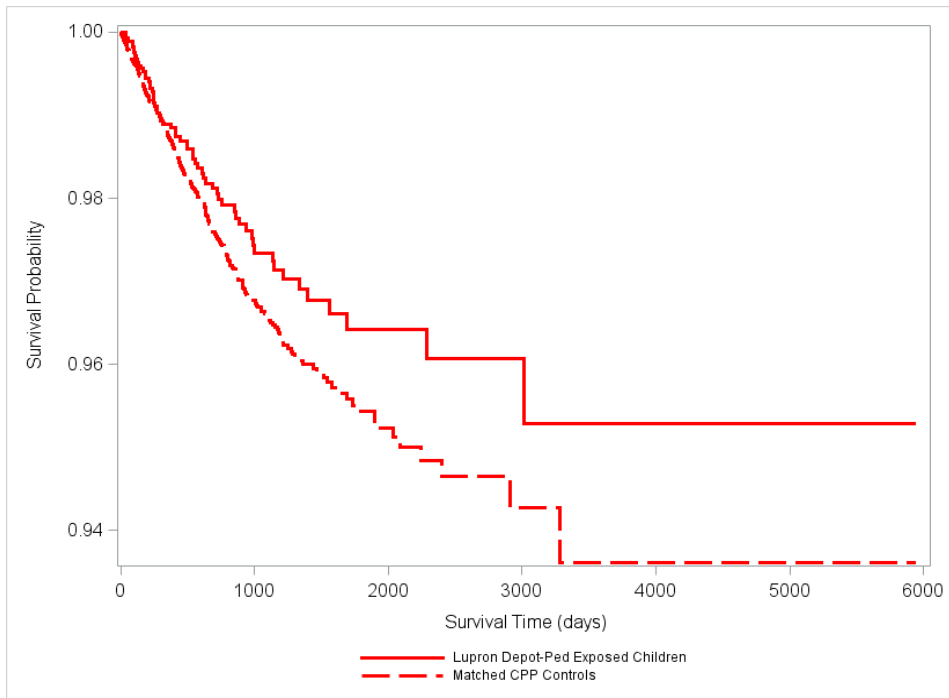


Figure 2. Kaplan Meier Survival Curves for Female Leuprolide Acetate Exposed Children Matched with Central Precocious Puberty (CPP) Controls, Major Fracture, Overall



Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (April 22, 2019)

| Data Partner ID | Start Date¹ | End Date¹ |
|------------------------|-------------------------------|-----------------------------|
| DP01 | 01/01/2005 | 09/30/2017 |
| DP02 | 01/01/2000 | 03/31/2018 |
| DP03 | 01/01/2000 | 12/31/2017 |
| DP04 | 06/01/2007 | 07/31/2018 |
| DP05 | 01/01/2000 | 03/31/2016 |
| DP06 | 01/01/2000 | 07/31/2017 |
| DP07 | 01/01/2000 | 06/30/2018 |
| DP08 ² | 01/01/2008 | 12/31/2017 |
| DP09 | 01/01/2000 | 06/30/2018 |
| DP10 | 01/01/2000 | 03/31/2018 |
| DP11 | 01/01/2004 | 08/31/2018 |
| DP12 | 01/01/2000 | 04/30/2018 |
| DP13 | 01/01/2012 | 06/30/2017 |
| DP14 | 01/01/2008 | 06/30/2018 |
| DP15 | 01/01/2000 | 12/31/2017 |
| DP16 | 01/01/2006 | 05/31/2018 |

¹The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

²DP08 did not contribute to the results for top diagnoses and top prescription medications

Appendix B. List of Generic and Brand Names of Medical Products Used to Define the Exposure in this Request

| Generic Name | Brand Name |
|---------------------------|----------------------------|
| Leuprolide Acetate | |
| LEUPROLIDE ACETATE | Lupron Depot-Ped |
| LEUPROLIDE ACETATE | Lupron Depot-Ped (3 month) |

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures and Comparators in this Request

| Code | Description | Code Category | Code Type |
|---------------------------|--|----------------------|------------------|
| Leuprolide Acetate | | | |
| C9430 | Leuprolide acetate, per 1 mg, brand name | Procedure | HCPCS |
| J1950 | Injection, leuprolide acetate (for depot suspension), per 3.75 mg | Procedure | HCPCS |
| J9217 | Leuprolide acetate (for depot suspension), 7.5 mg | Procedure | HCPCS |
| J9218 | Leuprolide acetate, per 1 mg | Procedure | HCPCS |
| Well Child Visit | | | |
| 99381 | Initial comprehensive preventive medicine evaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, new patient; infant (age younger than 1 year) | Procedure | CPT-4 |
| 99382 | Initial comprehensive preventive medicine evaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, new patient; early childhood (age 1 through 4 years) | Procedure | CPT-4 |
| 99383 | Initial comprehensive preventive medicine evaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, new patient; late childhood (age 5 through 11 years) | Procedure | CPT-4 |
| 99384 | Initial comprehensive preventive medicine evaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, new patient; adolescent (age 12 through 17 years) | Procedure | CPT-4 |
| 99385 | Initial comprehensive preventive medicine evaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, new patient; 18-39 years | Procedure | CPT-4 |
| 99391 | Periodic comprehensive preventive medicine reevaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, established patient; infant (age younger than 1 year) | Procedure | CPT-4 |
| 99392 | Periodic comprehensive preventive medicine reevaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, established patient; early childhood (age 1 through 4 years) | Procedure | CPT-4 |

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures and Comparators in this Request

| Code | Description | Code Category | Code Type |
|-----------------------------------|--|----------------------|------------------|
| 99393 | Periodic comprehensive preventive medicine reevaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, established patient; late childhood (age 5 through 11 years) | Procedure | CPT-4 |
| 99394 | Periodic comprehensive preventive medicine reevaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, established patient; adolescent (age 12 through 17 years) | Procedure | CPT-4 |
| 99395 | Periodic comprehensive preventive medicine reevaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, established patient; 18-39 years | Procedure | CPT-4 |
| V20.2 | Routine infant or child health check | Diagnosis | ICD-9-CM |
| Z00.121 | Encounter for routine child health examination with abnormal findings | Diagnosis | ICD-10-CM |
| Z00.129 | Encounter for routine child health examination without abnormal findings | Diagnosis | ICD-10-CM |
| Central Precocious Puberty | | | |
| 259.1 | Precocious sexual development and puberty, not elsewhere classified | Diagnosis | ICD-9-CM |
| E30.1 | Precocious puberty | Diagnosis | ICD-10-CM |
| E30.8 | Other disorders of puberty | Diagnosis | ICD-10-CM |
| E22.8 | Other hyperfunction of pituitary gland | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|--|---|----------------------|------------------|
| Central Precocious Puberty | | | |
| 259.1 | Precocious sexual development and puberty, not elsewhere classified | Diagnosis | ICD-9-CM |
| E30.1 | Precocious puberty | Diagnosis | ICD-10-CM |
| E30.8 | Other disorders of puberty | Diagnosis | ICD-10-CM |
| E22.8 | Other hyperfunction of pituitary gland | Diagnosis | ICD-10-CM |
| Leuprolide Acetate | | | |
| C9430 | Leuprolide acetate, per 1 mg, brand name | Procedure | HCPCS |
| J1950 | Injection, leuprolide acetate (for depot suspension), per 3.75 mg | Procedure | HCPCS |
| J9217 | Leuprolide acetate (for depot suspension), 7.5 mg | Procedure | HCPCS |
| J9218 | Leuprolide acetate, per 1 mg | Procedure | HCPCS |
| Osteogenesis Imperfecta | | | |
| 756.51 | Osteogenesis imperfecta | Diagnosis | ICD-9-CM |
| Q78.0 | Osteogenesis imperfecta | Diagnosis | ICD-10-CM |
| Non-Lupron Depot PED Long-Acting Gonadotropin-Releasing Hormone (GnRH) Agonists | | | |
| C9016 | Injection, triptorelin extended release, 3.75 mg | Procedure | HCPCS |
| J3315 | Injection, triptorelin pamoate, 3.75 mg | Procedure | HCPCS |
| S0133 | Histrelin, implant, 50 mg | Procedure | HCPCS |
| J9226 | Histrelin implant (Supprelin LA), 50 mg | Procedure | HCPCS |
| J9225 | Histrelin implant (Vantas), 50 mg | Procedure | HCPCS |
| J9202 | Goserelin acetate implant, per 3.6 mg | Procedure | HCPCS |
| J9219 | Leuprolide acetate implant, 65 mg | Procedure | HCPCS |
| S9560 | Home injectable therapy; hormonal therapy (e.g., leuprolide, goserelin), including administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem | Procedure | HCPCS |
| All Long-Acting GnRH Agonists | | | |
| C9016 | Injection, triptorelin extended release, 3.75 mg | Procedure | HCPCS |
| J3315 | Injection, triptorelin pamoate, 3.75 mg | Procedure | HCPCS |
| S0133 | Histrelin, implant, 50 mg | Procedure | HCPCS |
| J9226 | Histrelin implant (Supprelin LA), 50 mg | Procedure | HCPCS |
| J9225 | Histrelin implant (Vantas), 50 mg | Procedure | HCPCS |
| J9202 | Goserelin acetate implant, per 3.6 mg | Procedure | HCPCS |
| J9219 | Leuprolide acetate implant, 65 mg | Procedure | HCPCS |
| S9560 | Home injectable therapy; hormonal therapy (e.g., leuprolide, goserelin), including administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem | Procedure | HCPCS |
| J1675 | Injection, histrelin acetate, 10 mcg | Procedure | HCPCS |
| Q2020 | Injection, histrelin acetate, 10 mcg | Procedure | HCPCS |
| C9435 | Injection, gonadorelin HCl, brand name, per 100 mcg | Procedure | HCPCS |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|---------------------------------------|---|----------------------|------------------|
| J1620 | Injection, gonadorelin HCl, per 100 mcg | Procedure | HCPCS |
| Drugs that Affect Bone Density | | | |
| Anticoagulants | | | |
| C9107 | INJ TINZAPARIN NAIUM PER 2ML VIAL | Procedure | HCPCS |
| J0884 | INJ ARGATROBN 1 MG ESRD ON DIALYSIS | Procedure | HCPCS |
| J0883 | INJ ARGATROBAN 1 MG NON-ESRD USE | Procedure | HCPCS |
| C9121 | INJECTION ARGATROBAN PER 5 MG | Procedure | HCPCS |
| J0583 | INJECTION BIVALIRUDIN 1 MG | Procedure | HCPCS |
| C9111 | INJECTION BIVALIRUDIN 250 MG-VIAL | Procedure | HCPCS |
| J1645 | INJ DALTEPARIN SODIUM PER 2500 IU | Procedure | HCPCS |
| J1650 | INJECTION ENOXAPARIN SODIUM 10 MG | Procedure | HCPCS |
| J1652 | INJ FONDAPARINUX SODIUM 0.5 MG | Procedure | HCPCS |
| J1642 | INJECTION HEPARIN SODIUM 10 UNITS | Procedure | HCPCS |
| J1644 | INJ HEPARIN SODIUM PER 1000 UNITS | Procedure | HCPCS |
| J1945 | INJECTION LEPIRUDIN 50 MG | Procedure | HCPCS |
| Q2021 | INJECTION LEPIRUDIN 50 MG | Procedure | HCPCS |
| J1655 | INJECTION TINZAPARIN SODIUM 1000 IU | Procedure | HCPCS |
| G8967 | WARFARIN/ANR FDA APRV ORAL AC PRESC | Procedure | HCPCS |
| Bisphosphonates | | | |
| J1436 | INJ ETIDRONATE DISODIUM PER 300 MG | Procedure | HCPCS |
| J1740 | INJECTION IBANDRONATE SODIUM 1 MG | Procedure | HCPCS |
| C9229 | INJ BANDRONATE SODIUM PER 1 MG | Procedure | HCPCS |
| J2430 | INJ PAMIDRONATE DISODIUM PER 30 MG | Procedure | HCPCS |
| C9411 | INJ PAMIDRONATE DISODUM 30 MG BRAND | Procedure | HCPCS |
| J3489 | INJECTION ZOLEDRONIC ACID 1 MG | Procedure | HCPCS |
| Q2051 | INJECTION ZOLEDRONIC ACID NOS 1 MG | Procedure | HCPCS |
| C9115 | INJECTION ZOLEDRONIC ACID PER 2 MG | Procedure | HCPCS |
| Q4095 | INJ ZOLEDRONIC ACID RECLAST 1 MG | Procedure | HCPCS |
| J3488 | INJ ZOLEDRONICCID RECLAST 1 MG | Procedure | HCPCS |
| J3487 | INJECTION ZOLEDRONICCID ZOMETA 1 MG | Procedure | HCPCS |
| Anti-Epileptic Drugs | | | |
| Q2009 | INJ FOSPHENYTOIN 50 MG PHENYTOIN EQ | Procedure | HCPCS |
| J3360 | INJECTION DIAZEPAM UP TO 5 MG | Procedure | HCPCS |
| S0078 | INJ FOSPHENYTOIN SODIUM 750 MG | Procedure | HCPCS |
| C9254 | INJECTION LACOSAMIDE 1 MG | Procedure | HCPCS |
| C9238 | INJECTION LEVETIRACETAM 10 MG | Procedure | HCPCS |
| J1953 | INJECTION LEVETIRACETAM 10 MG | Procedure | HCPCS |
| J2560 | INJ PHENOBARBITAL SODIUM TO 120 MG | Procedure | HCPCS |
| J1165 | INJ PHENYTOIN SODIUM PER 50 MG | Procedure | HCPCS |
| Corticosteroids | | | |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| J7624 | BETAMETHASONE INHAL CP UNIT PER MG | Procedure | HCPCS |
| J7634 | BUDESONIDE INHAL CP DME 0.25 MG | Procedure | HCPCS |
| J7627 | BUDESONIDE INHAL CP UNIT TO 0.5 MG | Procedure | HCPCS |
| J7633 | BUDESONIDE INHAL NON-CP CNC 0.25 MG | Procedure | HCPCS |
| J7626 | BUDESONIDE INHAL NON-CP U TO 0.5 MG | Procedure | HCPCS |
| K0512 | DEX INHAL SOL ADMIN THRU DME CONCEN | Procedure | HCPCS |
| K0513 | DEX INHAL SOL ADMIN THRU DME U DOSE | Procedure | HCPCS |
| J7637 | DEXAMETHASONE INHAL CP CONC PER MG | Procedure | HCPCS |
| J7638 | DEXAMETHASONE INHAL CP UNIT PER MG | Procedure | HCPCS |
| J8540 | DEXAMETHASONE ORAL 0.25 MG | Procedure | HCPCS |
| S0173 | DEXAMETHASONE ORAL 4 MG | Procedure | HCPCS |
| J7641 | FLUNISOLIDE INHAL COMP UNIT PER MG | Procedure | HCPCS |
| J0702 | INJ BETAMETHASONE AC & PHOS 3 MG | Procedure | HCPCS |
| C9256 | INJ DEXAMETH INTRAVITRL IMPL 0.1 MG | Procedure | HCPCS |
| J1710 | INJ HYDROCORTISON SOD PHOS TO 50 MG | Procedure | HCPCS |
| J1720 | INJ HYDROCORTSON SOD SUCC TO 100 MG | Procedure | HCPCS |
| J2930 | INJ METHYLPRDNISLN SODIM TO 125 MG | Procedure | HCPCS |
| J2920 | INJ METHYLPRDNISOLON SODIM TO 40 MG | Procedure | HCPCS |
| J2640 | INJ PREDNISOLONE SODIUM PHOSPHATE T | Procedure | HCPCS |
| C9469 | INJ TAA PF EXT-REL MS F 1 MG | Procedure | HCPCS |
| J3300 | INJ TRIAMCINOLONE ACETONIDE PF 1 MG | Procedure | HCPCS |
| J0704 | INJ BETAMETHSONE SODIM PHOSHAT-4 MG | Procedure | HCPCS |
| J1094 | INJECTION DEXAMETHASONE ACTAT 1 MG | Procedure | HCPCS |
| J7312 | INJ DEXAMETH INTRAVIT IMPL 0.1 MG | Procedure | HCPCS |
| J1100 | INJ DEXMETHOSON SODIM PHOSHATE 1 MG | Procedure | HCPCS |
| J1700 | INJ HYDROCORTISONE ACTAT TO 25 MG | Procedure | HCPCS |
| J1020 | INJ METHYLPRDNISOLONE ACTAT 20 MG | Procedure | HCPCS |
| J1030 | INJ METHYLPRDNISOLONE ACTAT 40 MG | Procedure | HCPCS |
| J1040 | INJ METHYLPRDNISOLONE ACTAT 80 MG | Procedure | HCPCS |
| J2650 | INJ PREDNISOLONE ACETATE TO 1 ML | Procedure | HCPCS |
| J3301 | INJ TRIAMCINOLON ACETONID NOS 10 MG | Procedure | HCPCS |
| J3302 | INJ TRIAMCINOLONE DIACTAT 5 MG | Procedure | HCPCS |
| J3303 | INJ TRIAMCINOLONE HEXACETONIDE 5 MG | Procedure | HCPCS |
| J1095 | INJECTION, DEXAMETHASONE ACETATE, P | Procedure | HCPCS |
| J1690 | INJ PREDNISOLONE TEBUTATE TO 20 MG | Procedure | HCPCS |
| J7509 | METHYLPREDNISOLONE ORAL PER 4 MG | Procedure | HCPCS |
| S1090 | MOMETASONE FUROATE SS IMPL 370 MCG | Procedure | HCPCS |
| 4193F | PT RCV <10MG DAILY PREDNISO | Procedure | CPT-2 |
| 4194F | PT RCV =>10MG DAILY PREDNISO | Procedure | CPT-2 |
| J7510 | PREDNISOLONE ORAL PER 5 MG | Procedure | HCPCS |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|---------------------|-------------------------------------|----------------------|------------------|
| J7512 | PDN IMMED RLSE/DELAY RLSE ORAL 1 MG | Procedure | HCPCS |
| J7506 | PREDNISONE ORAL PER 5 MG | Procedure | HCPCS |
| J7683 | TRIAMCINOLONE INHAL CP CONC PER MG | Procedure | HCPCS |
| J7684 | TRIAMCINOLONE INHAL CP UNIT PER MG | Procedure | HCPCS |
| K0527 | TRIAMCINOLONE INHAL SOL ADMIN THRU | Procedure | HCPCS |
| K0528 | TRIAMCINOLONE INHAL SOL VIA DME U D | Procedure | HCPCS |
| Chemotherapy | | | |
| S0170 | ANASTROZOLE ORAL 1 MG | Procedure | HCPCS |
| S0116 | BEVACIZUMAB 100 MG | Procedure | HCPCS |
| C9417 | BLEOMYCIN SULFATE 15 UNITS BRAND | Procedure | HCPCS |
| S0115 | BORTEZOMIB 3.5 MG | Procedure | HCPCS |
| J8510 | BUSULFAN ORAL 2 MG | Procedure | HCPCS |
| J8520 | CAPECITABINE ORAL 150 MG | Procedure | HCPCS |
| J8521 | CAPECITABINE ORAL 500 MG | Procedure | HCPCS |
| C9437 | CARMUSTINE BRAND NAME 100 MG | Procedure | HCPCS |
| S0172 | CHLORAMBUCIL ORAL 2 MG | Procedure | HCPCS |
| J9062 | CISPLATIN 50 MG | Procedure | HCPCS |
| C9418 | CISPLATIN POWDR/SOL PER 10 MG BRAND | Procedure | HCPCS |
| J7632 | CROMOLYN NA I SOL CP PROD UD 10 MG | Procedure | HCPCS |
| K0511 | CROMOLYN SODIUM INHAL SOL VIA DME U | Procedure | HCPCS |
| J7631 | CROMOLYN NA I SOL NONCP UD P 10 MG | Procedure | HCPCS |
| J7630 | CROMOLYN SODIUM PER 20MG | Procedure | HCPCS |
| J9091 | CYCLOPHOSPHAMIDE 1 G | Procedure | HCPCS |
| J9070 | CYCLOPHOSPHAMIDE 100 MG | Procedure | HCPCS |
| C9420 | CYCLOPHOSPHAMIDE 100 MG BRAND NAME | Procedure | HCPCS |
| J9092 | CYCLOPHOSPHAMIDE 2 G | Procedure | HCPCS |
| J9080 | CYCLOPHOSPHAMIDE 200 MG | Procedure | HCPCS |
| J9090 | CYCLOPHOSPHAMIDE 500 MG | Procedure | HCPCS |
| J9096 | CYCLOPHOSPHAMIDE LYOPHILIZED 1 G | Procedure | HCPCS |
| J9093 | CYCLOPHOSPHAMIDE LYOPHILIZED 100 MG | Procedure | HCPCS |
| C9421 | CYCLOPHOSPHAMIDE LYO 100 MG BRAND | Procedure | HCPCS |
| J9097 | CYCLOPHOSPHAMIDE LYOPHILIZED 2 G | Procedure | HCPCS |
| J9094 | CYCLOPHOSPHAMIDE LYOPHILIZED 200 MG | Procedure | HCPCS |
| J9095 | CYCLOPHOSPHAMIDE LYOPHILIZED 500 MG | Procedure | HCPCS |
| J8530 | CYCLOPHOSHAMIDE ORAL 25 MG | Procedure | HCPCS |
| C9422 | CYTARABINE 100 MG BRAND NAME | Procedure | HCPCS |
| J9130 | DACARBAZINE 100 MG | Procedure | HCPCS |
| C9423 | DACARBAZINE 100 MG BRAND NAME | Procedure | HCPCS |
| J9140 | DACARBAZINE 200 MG | Procedure | HCPCS |
| C1084 | DENILEUKIN DIFTITOX 300 MCG ONTAK I | Procedure | HCPCS |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9439 | DES-DP BRAND NAME 250 MG | Procedure | HCPCS |
| C9415 | DOXORUBICIN HCL 10 MG BRAND NAME | Procedure | HCPCS |
| J9180 | EPIRUBICIN HYDROCHLORIDE 50 MG | Procedure | HCPCS |
| C9425 | ETOPOSIDE 10 MG BRAND NAME | Procedure | HCPCS |
| J9182 | ETOPOSIDE 100 MG | Procedure | HCPCS |
| J8560 | ETOPOSIDE ORAL 50 MG | Procedure | HCPCS |
| C9414 | ETOPOSIDE ORAL 50 MG BRAND NAME | Procedure | HCPCS |
| J7527 | EVEROLIMUS ORAL 0. 25 MG | Procedure | HCPCS |
| J8561 | EVEROLIMUS ORAL 0.25 MG | Procedure | HCPCS |
| S0156 | EXEMESTANE 25 MG | Procedure | HCPCS |
| C9426 | FLOXURIDINE 500 MG BRAND NAME | Procedure | HCPCS |
| C9262 | FLUDARABINE PHOSPHATE ORAL 1 MG | Procedure | HCPCS |
| Q2025 | FLUDARABINE PHOSPHATE ORAL 1 MG | Procedure | HCPCS |
| J8562 | FLUDARABINE PHOSPHATE ORAL 10 MG | Procedure | HCPCS |
| S0175 | FLUTAMIDE ORAL 125 MG | Procedure | HCPCS |
| J8565 | GEFITINIB ORAL 250 MG | Procedure | HCPCS |
| S0176 | HYDROXYUREA ORAL 500 MG | Procedure | HCPCS |
| C9429 | IDARUBICIN HCL 5 MG BRAND NAME | Procedure | HCPCS |
| C9427 | IFISFANUDE 1 GM BRAND NAME | Procedure | HCPCS |
| C9216 | INJ ABARELIX INJ SUSP PER 10 MG | Procedure | HCPCS |
| J9354 | INJ ADO-TRASTUZUMAB EMTANSINE 1 MG | Procedure | HCPCS |
| C9110 | INJ ALEMTUZUMAB, PER 10 MG/ ML | Procedure | HCPCS |
| C9289 | INJ ASPARAGINASE ECH 1000 IU | Procedure | HCPCS |
| J9151 | INJ DAUNORUBICIN CITRATE LIP 10 MG | Procedure | HCPCS |
| J9001 | INJ DOXORUBICIN HCL LIPID 10 MG | Procedure | HCPCS |
| C9004 | INJ GEMTUZUMAB OZOGAMICIN PER 5 MG | Procedure | HCPCS |
| J1055 | INJ MDRXYPRGESTRON CNTRACPT 150 MG | Procedure | HCPCS |
| J1056 | INJ MDRXYPRGESTRON/ESTRDIOL 5/25MG | Procedure | HCPCS |
| C9127 | INJ PACLITAXEL PROTEIN BOUND 1 MG | Procedure | HCPCS |
| C9235 | INJ PANITUMUMAB 10 MG | Procedure | HCPCS |
| J9325 | INJ T-VEC PER 1 M PLAQUE FORM UNITS | Procedure | HCPCS |
| J0128 | INJECTION ABARELIX 10 MG | Procedure | HCPCS |
| S0165 | INJECTION ABARELIX 100 MG | Procedure | HCPCS |
| C9131 | INJ ADO-TRASTUZUMAB EMTANSINE 1 MG | Procedure | HCPCS |
| J9015 | INJ ALDESLEUKIN PER SINGLE USE VIAL | Procedure | HCPCS |
| J0202 | INJECTION ALEMTUZUMAB 1 MG | Procedure | HCPCS |
| Q9979 | INJECTION ALEMTUZUMAB 1 MG | Procedure | HCPCS |
| J9010 | INJECTION ALEMTUZUMAB 10 MG | Procedure | HCPCS |
| S0087 | INJECTION ALEMTUZUMAB 30 MG | Procedure | HCPCS |
| J9017 | INJECTION ARSENIC TRIOXIDE 1 MG | Procedure | HCPCS |

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| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9012 | INJECTION ARSENIC TRIOXIDE-1 MG/KG | Procedure | HCPCS |
| J9020 | INJECTION ASPARAGINASE 10000 UNITS | Procedure | HCPCS |
| J9019 | INJ ASPARAGINASE ERWINAZE 1000 IU | Procedure | HCPCS |
| C9483 | INJECTION ATEZOLIZUMAB 10 MG | Procedure | HCPCS |
| J9022 | INJECTION ATEZOLIZUMAB 10 MG | Procedure | HCPCS |
| C9491 | INJECTION AVELUMAB 10 MG | Procedure | HCPCS |
| J9023 | INJECTION AVELUMAB 10 MG | Procedure | HCPCS |
| J9025 | INJECTION AZACITIDINE 1 MG | Procedure | HCPCS |
| S0168 | INJECTION AZACITIDINE 100 MG | Procedure | HCPCS |
| C9218 | INJECTION AZACITIDINE PER 1 MG | Procedure | HCPCS |
| C9442 | INJECTION BELINOSTAT 10 MG | Procedure | HCPCS |
| J9032 | INJECTION BELINOSTAT 10 MG | Procedure | HCPCS |
| C9243 | INJECTION BENDAMUSTINE HCL 1 MG | Procedure | HCPCS |
| J9034 | INJ BENDAMUSTINE HCL BENDEKA 1 MG | Procedure | HCPCS |
| J9033 | INJ BENDAMUSTINE HCL TREANDA 1 MG | Procedure | HCPCS |
| C9257 | INJECTION BEVACIZUMAB 0.25 MG | Procedure | HCPCS |
| Q2024 | INJECTION BEVACIZUMAB 0.25 MG | Procedure | HCPCS |
| J9035 | INJECTION BEVACIZUMAB 10 MG | Procedure | HCPCS |
| C9214 | INJECTION BEVACIZUMAB PER 10 MG | Procedure | HCPCS |
| J9040 | INJECTION BLEOMYCIN SULFATE 15 UNIT | Procedure | HCPCS |
| C9449 | INJECTION BLINATUMOMAB 1 MCG | Procedure | HCPCS |
| J9039 | INJECTION BLINATUMOMAB 1 MICROGRAM | Procedure | HCPCS |
| J9041 | INJECTION BORTEZOMIB 0.1 MG | Procedure | HCPCS |
| C9207 | INJECTION BORTEZOMIB PER 3.5 MG | Procedure | HCPCS |
| C9287 | INJECTION BRENTUXIMAB VEDOTIN 1 MG | Procedure | HCPCS |
| J9042 | INJECTION BRENTUXIMAB VEDOTIN 1 MG | Procedure | HCPCS |
| J0594 | INJECTION BUSULFAN 1 MG | Procedure | HCPCS |
| C1178 | INJECTION BUSULFAN PER 6 MG | Procedure | HCPCS |
| C9276 | INJECTION CABAZITAXEL 1 MG | Procedure | HCPCS |
| J9043 | INJECTION CABAZITAXEL 1 MG | Procedure | HCPCS |
| J9045 | INJECTION CARBOPLATIN 50 MG | Procedure | HCPCS |
| C9295 | INJECTION CARFILZOMIB 1 MG | Procedure | HCPCS |
| J9047 | INJECTION CARFILZOMIB 1 MG | Procedure | HCPCS |
| J9050 | INJECTION CARMUSTINE 100 MG | Procedure | HCPCS |
| J9055 | INJECTION CETUXIMAB 10 MG | Procedure | HCPCS |
| C9215 | INJECTION CETUXIMAB PER 10 MG | Procedure | HCPCS |
| J9060 | INJ CISPLATIN POWDER/SOLUTION 10 MG | Procedure | HCPCS |
| J9065 | INJECTION CLADRIBINE PER 1 MG | Procedure | HCPCS |
| C9419 | INJECTION CLADRIBINE PER 1 MG BRAND | Procedure | HCPCS |
| J9027 | INJECTION CLOFARABINE 1 MG | Procedure | HCPCS |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9129 | INJECTION CLOFARABINE PER 1 MG | Procedure | HCPCS |
| J9100 | INJECTION CYTARABINE 100 MG | Procedure | HCPCS |
| J9110 | INJECTION CYTARABINE 500 MG | Procedure | HCPCS |
| J9098 | INJECTION CYTARABINE LIPOSOME 10 MG | Procedure | HCPCS |
| C1166 | INJECTION CYTRABIN LIPOSOME-10 MG | Procedure | HCPCS |
| J9120 | INJECTION DACTINOMYCIN 0.5 MG | Procedure | HCPCS |
| C9476 | INJECTION DARATUMUMAB 10 MG | Procedure | HCPCS |
| J9145 | INJECTION DARATUMUMAB 10 MG | Procedure | HCPCS |
| J0894 | INJECTION DECITABINE 1 MG | Procedure | HCPCS |
| C9231 | INJECTION DECITABINE PER 1 MG | Procedure | HCPCS |
| J9160 | INJ DENILEUKIN DIFTITOX 300 MCG | Procedure | HCPCS |
| J9165 | INJ DIETHYLSTILBESTROL 250 MG | Procedure | HCPCS |
| J9171 | INJECTION DOCETAXEL 1 MG | Procedure | HCPCS |
| J9170 | INJECTION DOCETAXEL 20 MG | Procedure | HCPCS |
| J9000 | INJECTION DOXORUBICIN HCL 10 MG | Procedure | HCPCS |
| C9492 | INJECTION DURVALUMAB 10 MG | Procedure | HCPCS |
| C9477 | INJECTION ELOTUZUMAB 1 MG | Procedure | HCPCS |
| J9176 | INJECTION ELOTUZUMAB 1 MG | Procedure | HCPCS |
| J9178 | INJECTION EPIRUBICIN HCL 2 MG | Procedure | HCPCS |
| C1167 | INJ EPIRUBICIN HYDROCHLORID 2 MG | Procedure | HCPCS |
| J9179 | INJECTION ERIBULIN MESYLATE 0.1 MG | Procedure | HCPCS |
| C9280 | INJECTION ERIBULIN MESYLATE 1 MG | Procedure | HCPCS |
| J9181 | INJECTION ETOPOSIDE 10 MG | Procedure | HCPCS |
| J9200 | INJECTION FLOXURIDINE 500 MG | Procedure | HCPCS |
| J9185 | INJ FLUDARABINE PHOSPHATE 50 MG | Procedure | HCPCS |
| J9190 | INJECTION FLUOROURACIL 500 MG | Procedure | HCPCS |
| J9395 | INJECTION FULVESTRANT 25 MG | Procedure | HCPCS |
| C9120 | INJECTION FULVESTRANT PER 50 MG | Procedure | HCPCS |
| J9201 | INJECTION GEMCITABINE HCL 200 MG | Procedure | HCPCS |
| J9203 | INJ GEMTUZUMAB OZOGAMICIN 0.1 MG | Procedure | HCPCS |
| J9300 | INJ GEMTUZUMAB OZOGAMICIN 5 MG | Procedure | HCPCS |
| Q2020 | INJECTION HISTRELIN ACETATE 10 MCG | Procedure | HCPCS |
| J1675 | INJ HISTRELIN ACTAT 10 MICROGMS | Procedure | HCPCS |
| J9211 | INJECTION IDARUBICIN HCL 5 MG | Procedure | HCPCS |
| J9208 | INJECTION IFOSFAMIDE 1 G | Procedure | HCPCS |
| C9028 | INJ INOTUZUMAB OZOGAMICIN 0.1 MG | Procedure | HCPCS |
| J9213 | INJ INTERFERON ALFA-2A RECOM 3 M U | Procedure | HCPCS |
| J9214 | INJ INTERFERON ALFA-2B RECOMB 1 M U | Procedure | HCPCS |
| C9284 | INJECTION IPILIMUMAB 1 MG | Procedure | HCPCS |
| J9228 | INJECTION IPILIMUMAB 1 MG | Procedure | HCPCS |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9240 | INJECTION IXABEPILONE 1 MG | Procedure | HCPCS |
| J9207 | INJECTION IXABEPILONE 1 MG | Procedure | HCPCS |
| C9024 | INJ LIP 1 MG DNR & 2.27 MG CY | Procedure | HCPCS |
| J9230 | INJECTION MECHLORETHAMINE HCL 10 MG | Procedure | HCPCS |
| J1050 | INJ MEDROXYPROGESTERNE ACETATE 1 MG | Procedure | HCPCS |
| J1051 | INJ MDRXYPRGESTRON ACTAT 50 MG | Procedure | HCPCS |
| J9245 | INJECTION MELPHALAN HCL 50 MG | Procedure | HCPCS |
| J9280 | INJECTION MITOMYCIN 5 MG | Procedure | HCPCS |
| J9293 | INJECTION MITOXANTRONE HCL PER 5 MG | Procedure | HCPCS |
| C9475 | INJECTION NECITUMUMAB 1 MG | Procedure | HCPCS |
| J9295 | INJECTION NECITUMUMAB 1 MG | Procedure | HCPCS |
| J9261 | INJECTION NELARABINE 50 MG | Procedure | HCPCS |
| C9453 | INJECTION NIVOLUMAB 1 MG | Procedure | HCPCS |
| J9299 | INJECTION NIVOLUMAB 1 MG | Procedure | HCPCS |
| C9021 | INJECTION OBINUTUZUMAB 10 MG | Procedure | HCPCS |
| J9301 | INJECTION OBINUTUZUMAB 10 MG | Procedure | HCPCS |
| C9260 | INJECTION OFATUMUMAB 10 MG | Procedure | HCPCS |
| J9302 | INJECTION OFATUMUMAB 10 MG | Procedure | HCPCS |
| C9485 | INJECTION OLARATUMAB 10 MG | Procedure | HCPCS |
| J9285 | INJECTION OLARATUMAB 10 MG | Procedure | HCPCS |
| J9262 | INJ OMACETAXINE MEPESUCCINAT .01 MG | Procedure | HCPCS |
| C9297 | INJ OMACETAZN MEPESUCCINATE 0.01 MG | Procedure | HCPCS |
| J9263 | INJECTION OXALIPLATIN 0.5 MG | Procedure | HCPCS |
| J9267 | INJECTION PACLITAXEL 1 MG | Procedure | HCPCS |
| J9265 | INJECTION PACLITAXEL 30 MG | Procedure | HCPCS |
| J9264 | INJ PACLITAXEL PROTBND PARTICL 1 MG | Procedure | HCPCS |
| J9303 | INJECTION PANITUMUMAB 10 MG | Procedure | HCPCS |
| J9266 | INJ PEGASPARGASE SINGLE DOSE VIAL | Procedure | HCPCS |
| C9027 | INJECTION PEMBROLIZUMAB 1 MG | Procedure | HCPCS |
| J9271 | INJECTION PEMBROLIZUMAB 1 MG | Procedure | HCPCS |
| J9268 | INJECTION PENTOSTATIN 10 MG | Procedure | HCPCS |
| J9306 | INJECTION PERTUZUMAB 1 MG | Procedure | HCPCS |
| C9292 | INJECTION PERTUZUMAB 10 MG | Procedure | HCPCS |
| J9270 | INJECTION PLICAMYCIN 2.5 MG | Procedure | HCPCS |
| J9600 | INJECTION PORFIMER SODIUM 75 MG | Procedure | HCPCS |
| C9259 | INJECTION PRALATREXATE 1 MG | Procedure | HCPCS |
| J9307 | INJECTION PRALATREXATE 1 MG | Procedure | HCPCS |
| C9025 | INJECTION RAMUCIRUMAB 5 MG | Procedure | HCPCS |
| J9308 | INJECTION RAMUCIRUMAB 5 MG | Procedure | HCPCS |
| J9310 | INJECTION RITUXIMAB 100 MG | Procedure | HCPCS |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9467 | INJ RITUXIMAB & HYALURONIDASE 10 MG | Procedure | HCPCS |
| C9265 | INJECTION ROMIDEPSIN 1 MG | Procedure | HCPCS |
| J9315 | INJECTION ROMIDEPSIN 1 MG | Procedure | HCPCS |
| C9455 | INJECTION SILTUXIMAB 10 MG | Procedure | HCPCS |
| J2860 | INJECTION SILTUXIMAB 10 MG | Procedure | HCPCS |
| J9320 | INJECTION STREPTOZOCIN 1 G | Procedure | HCPCS |
| C9472 | INJ TALIMOGEN LAHERPAREPVEC 1 M PFU | Procedure | HCPCS |
| J9328 | INJECTION TEMOZOLOMIDE 1 MG | Procedure | HCPCS |
| C9253 | INJECTION TEMOZOLOMIDE 1MG | Procedure | HCPCS |
| C9239 | INJECTION TEMSIROLIMUS 1 MG | Procedure | HCPCS |
| J9330 | INJECTION TEMSIROLIMUS 1 MG | Procedure | HCPCS |
| Q2017 | INJECTION TENIPOSIDE 50 MG | Procedure | HCPCS |
| J9340 | INJECTION THIOTEPA 15 MG | Procedure | HCPCS |
| C9480 | INJECTION TRABECTEDIN 0.1 MG | Procedure | HCPCS |
| J9352 | INJECTION TRABECTEDIN 0.1 MG | Procedure | HCPCS |
| J9355 | INJECTION TRASTUZUMAB 10 MG | Procedure | HCPCS |
| J3315 | INJ TRIPTORELIN PAMOATE 3.75 MG | Procedure | HCPCS |
| J9357 | INJ VALRUBICIN INTRAVESICAL 200 MG | Procedure | HCPCS |
| J9360 | INJECTION VINBLASTINE SULFATE 1 MG | Procedure | HCPCS |
| J9371 | INJ VINCRISTINE SULF LIPOSOME 1 MG | Procedure | HCPCS |
| J9390 | INJ VINOURELBINE TARTRATE 10 MG | Procedure | HCPCS |
| C9296 | INJECTION ZIV-AFLIBERCEPT 1 MG | Procedure | HCPCS |
| J9400 | INJECTION ZIV-AFLIBERCEPT 1 MG | Procedure | HCPCS |
| J9219 | LEUPROLIDE ACETATE IMPLANT 65 MG | Procedure | HCPCS |
| S0177 | LEVAMISOLE HYDROCHLORIDE ORAL 50 MG | Procedure | HCPCS |
| S0178 | LOMUSTINE ORAL 10 MG | Procedure | HCPCS |
| C9017 | LOMUSTINE, 10 MG | Procedure | HCPCS |
| S0179 | MEGESTROL ACETATE ORAL 20 MG | Procedure | HCPCS |
| J8600 | MELPHALAN ORAL 2 MG | Procedure | HCPCS |
| S0108 | MERCAPTOPURINE ORAL 50 MG | Procedure | HCPCS |
| J8610 | METHOTREXATE ORAL 2.5 MG | Procedure | HCPCS |
| J9250 | METHOTREXATE SODIUM 5 MG | Procedure | HCPCS |
| J9260 | METHOTREXATE SODIUM 50 MG | Procedure | HCPCS |
| J9290 | MITOMYCIN 20 MG | Procedure | HCPCS |
| J9291 | MITOMYCIN 40 MG | Procedure | HCPCS |
| C9432 | MITOMYCIN 5 MG BRAND NAME | Procedure | HCPCS |
| J7315 | MITOMYCIN OPHTHALMIC 0. 2 MG | Procedure | HCPCS |
| S1016 | NON-PVC IV ADMN SET RX NOT STABLE | Procedure | HCPCS |
| C9205 | OXALIPLATIN INJ OXALIPLATIN-5 MG | Procedure | HCPCS |
| C9431 | PACLITAXEL 30 MG BRAND NAME | Procedure | HCPCS |

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| Code | Description | Code Category | Code Type |
|-------------------------------|---|----------------------|------------------|
| S0182 | PROCARBAZINE HYDROCHLORD ORAL 50 MG | Procedure | HCPCS |
| A9604 | SM-153 LEXIDRONAM TX TO 150 MCI | Procedure | HCPCS |
| A9605 | SAMARIUM SM-153 LEXIDRONM TX 50 MCI | Procedure | HCPCS |
| C9401 | SPL RP STRONTIUM-89 CL BRAND-MCI | Procedure | HCPCS |
| S0187 | TAMOXIFEN CITRATE ORAL 10 MG | Procedure | HCPCS |
| C1086 | TEMOZOLOMIDE 5 MG TEMODAR | Procedure | HCPCS |
| J8700 | TEMOZOLOMIDE ORAL 5 MG | Procedure | HCPCS |
| C9433 | THIOTEPA 15 MG BRAND NAME | Procedure | HCPCS |
| J9370 | VINCRISTINE SULFATE 1 MG | Procedure | HCPCS |
| J9375 | VINCRISTINE SULFATE 2 MG | Procedure | HCPCS |
| J9380 | VINCRISTINE SULFATE 5 MG | Procedure | HCPCS |
| C9440 | VINORELBINE TARTRATE BRAND 10 MG | Procedure | HCPCS |
| Cyclosporine | | | |
| J7502 | CYCLOSPORINE ORAL 100 MG | Procedure | HCPCS |
| C9438 | CYCLOSPORINE ORAL 100 MG BRAND NAME | Procedure | HCPCS |
| J7515 | CYCLOSPORINE ORAL 25 MG | Procedure | HCPCS |
| J7516 | CYCLOSPORINE PARENTERAL 250 MG | Procedure | HCPCS |
| K0122 | CYCLOSPORINE, PARENTERAL, 250 MG | Procedure | HCPCS |
| Medroxyprogesterone | | | |
| J1055 | INJ MDRXYPRGESTRON CNTRACPT 150 MG | Procedure | HCPCS |
| J1056 | INJ MDRXYPRGESTRON/ESTRDIOL 5/25MG | Procedure | HCPCS |
| J1050 | INJ MEDROXYPROGESTERNE ACETATE 1 MG | Procedure | HCPCS |
| J1051 | INJ MDRXYPRGESTRON ACTAT 50 MG | Procedure | HCPCS |
| Loop Diuretics | | | |
| S0171 | INJECTION BUMETANIDE 0.5 MG | Procedure | HCPCS |
| J1940 | INJECTION FUROSEMIDE UP TO 20 MG | Procedure | HCPCS |
| J3265 | INJECTION TORSEMIDE 10 MG/ML | Procedure | HCPCS |
| Proton Pump Inhibitors | | | |
| S0164 | INJECTION PANTOPRAZOLE SODIUM 40 MG | Procedure | HCPCS |
| C9113 | INJECTION PANTOPRAZOLE SODIUM-VIAL | Procedure | HCPCS |
| Thiazide Diuretics | | | |
| J1205 | INJ CHLOROTHIAZIDE SODIUM 500 MG | Procedure | HCPCS |
| Beta Blockers | | | |
| J1800 | INJECTION PROPRANOLOL HCL TO 1 MG | Procedure | HCPCS |
| Gender Dysphoria | | | |
| 259.9 | Unspecified endocrine disorder | Diagnosis | ICD-9-CM |
| 302.6 | Gender identity disorder in children | Diagnosis | ICD-9-CM |
| 302.85 | Gender identity disorder in adolescents or adults | Diagnosis | ICD-9-CM |
| 302.9 | Unspecified psychosexual disorder | Diagnosis | ICD-9-CM |
| E34.9 | Endocrine disorder, unspecified | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|------------------|--|----------------------|------------------|
| F64.2 | Gender identity disorder of childhood | Diagnosis | ICD-10-CM |
| F64.8 | Other gender identity disorders | Diagnosis | ICD-10-CM |
| F64.9 | Gender identity disorder, unspecified | Diagnosis | ICD-10-CM |
| Fractures | | | |
| 733.1 | Pathologic fracture | Diagnosis | ICD-9-CM |
| 800 | Fracture of vault of skull | Diagnosis | ICD-9-CM |
| 800.0 | Closed fracture of vault of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 800.00 | Closed fracture of vault of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.01 | Closed fracture of vault of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.02 | Closed fracture of vault of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.03 | Closed fracture of vault of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.04 | Closed fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.05 | Closed fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.06 | Closed fracture of vault of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.09 | Closed fracture of vault of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.1 | Closed fracture of vault of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 800.10 | Closed fracture of vault of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.11 | Closed fracture of vault of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.12 | Closed fracture of vault of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.13 | Closed fracture of vault of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.14 | Closed fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.15 | Closed fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.16 | Closed fracture of vault of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.19 | Closed fracture of vault of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.2 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 800.20 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.21 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.22 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.23 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.24 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.25 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.26 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.29 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.3 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 800.30 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.31 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.32 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.33 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.34 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.35 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.36 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.39 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.4 | Closed fracture of vault of skull with intercranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 800.40 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.41 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.42 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.43 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.44 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.45 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.46 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.49 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.5 | Open fracture of vault of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 800.50 | Open fracture of vault of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.51 | Open fracture of vault of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.52 | Open fracture of vault of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.53 | Open fracture of vault of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.54 | Open fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.55 | Open fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.56 | Open fracture of vault of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.59 | Open fracture of vault of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.6 | Open fracture of vault of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 800.60 | Open fracture of vault of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.61 | Open fracture of vault of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.62 | Open fracture of vault of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.63 | Open fracture of vault of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.64 | Open fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.65 | Open fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.66 | Open fracture of vault of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.69 | Open fracture of vault of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.7 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 800.70 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.71 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.72 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.73 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.74 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.75 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.76 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.79 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.8 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 800.80 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.81 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.82 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.83 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.84 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.85 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.86 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.89 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.9 | Open fracture of vault of skull with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 800.90 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.91 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.92 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.93 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.94 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.95 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 800.96 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.99 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 801 | Fracture of base of skull | Diagnosis | ICD-9-CM |
| 801.0 | Closed fracture of base of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 801.00 | Closed fracture of base of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.01 | Closed fracture of base of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.02 | Closed fracture of base of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.03 | Closed fracture of base of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.04 | Closed fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.05 | Closed fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.06 | Closed fracture of base of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.09 | Closed fracture of base of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.1 | Closed fracture of base of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 801.10 | Closed fracture of base of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.11 | Closed fracture of base of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.12 | Closed fracture of base of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.13 | Closed fracture of base of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.14 | Closed fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.15 | Closed fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.16 | Closed fracture of base of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.19 | Closed fracture of base of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.2 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 801.20 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.21 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.22 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.23 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.24 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.25 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.26 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.29 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.3 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 801.30 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.31 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.32 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.33 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.34 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.35 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.36 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.39 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.4 | Closed fracture of base of skull with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 801.40 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.41 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.42 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.43 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.44 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.45 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.46 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.49 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.5 | Open fracture of base of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 801.50 | Open fracture of base of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.51 | Open fracture of base of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.52 | Open fracture of base of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.53 | Open fracture of base of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.54 | Open fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.55 | Open fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.56 | Open fracture of base of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.59 | Open fracture of base of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.6 | Open fracture of base of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 801.60 | Open fracture of base of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.61 | Open fracture of base of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.62 | Open fracture of base of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.63 | Open fracture of base of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.64 | Open fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.65 | Open fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.66 | Open fracture of base of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.69 | Open fracture of base of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.7 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 801.70 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.71 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.72 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.73 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.74 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.75 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.76 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.79 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.8 | Open fracture of base of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 801.80 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.81 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.82 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.83 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.84 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.85 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.86 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.89 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.9 | Open fracture of base of skull with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 801.90 | Open fracture of base of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.91 | Open fracture of base of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.92 | Open fracture of base of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.93 | Open fracture of base of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.94 | Open fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.95 | Open fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 801.96 | Open fracture of base of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.99 | Open fracture of base of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 802 | Fracture of face bones | Diagnosis | ICD-9-CM |
| 802.0 | Nasal bones, closed fracture | Diagnosis | ICD-9-CM |
| 802.1 | Nasal bones, open fracture | Diagnosis | ICD-9-CM |
| 802.2 | Mandible, closed fracture | Diagnosis | ICD-9-CM |
| 802.20 | Closed fracture of unspecified site of mandible | Diagnosis | ICD-9-CM |
| 802.21 | Closed fracture of condylar process of mandible | Diagnosis | ICD-9-CM |
| 802.22 | Closed fracture of subcondylar process of mandible | Diagnosis | ICD-9-CM |
| 802.23 | Closed fracture of coronoid process of mandible | Diagnosis | ICD-9-CM |
| 802.24 | Closed fracture of unspecified part of ramus of mandible | Diagnosis | ICD-9-CM |
| 802.25 | Closed fracture of angle of jaw | Diagnosis | ICD-9-CM |
| 802.26 | Closed fracture of symphysis of body of mandible | Diagnosis | ICD-9-CM |
| 802.27 | Closed fracture of alveolar border of body of mandible | Diagnosis | ICD-9-CM |
| 802.28 | Closed fracture of other and unspecified part of body of mandible | Diagnosis | ICD-9-CM |
| 802.29 | Closed fracture of multiple sites of mandible | Diagnosis | ICD-9-CM |
| 802.3 | Mandible, open fracture | Diagnosis | ICD-9-CM |
| 802.30 | Open fracture of unspecified site of mandible | Diagnosis | ICD-9-CM |
| 802.31 | Open fracture of condylar process of mandible | Diagnosis | ICD-9-CM |
| 802.32 | Open fracture of subcondylar process of mandible | Diagnosis | ICD-9-CM |
| 802.33 | Open fracture of coronoid process of mandible | Diagnosis | ICD-9-CM |
| 802.34 | Open fracture of unspecified part of ramus of mandible | Diagnosis | ICD-9-CM |
| 802.35 | Open fracture of angle of jaw | Diagnosis | ICD-9-CM |
| 802.36 | Open fracture of symphysis of body of mandible | Diagnosis | ICD-9-CM |
| 802.37 | Open fracture of alveolar border of body of mandible | Diagnosis | ICD-9-CM |
| 802.38 | Open fracture of other and unspecified part of body of mandible | Diagnosis | ICD-9-CM |
| 802.39 | Open fracture of multiple sites of mandible | Diagnosis | ICD-9-CM |
| 802.4 | Malar and maxillary bones, closed fracture | Diagnosis | ICD-9-CM |
| 802.5 | Malar and maxillary bones, open fracture | Diagnosis | ICD-9-CM |
| 802.6 | Orbital floor (blow-out), closed fracture | Diagnosis | ICD-9-CM |
| 802.7 | Orbital floor (blow-out), open fracture | Diagnosis | ICD-9-CM |
| 802.8 | Other facial bones, closed fracture | Diagnosis | ICD-9-CM |
| 802.9 | Other facial bones, open fracture | Diagnosis | ICD-9-CM |
| 803 | Other and unqualified skull fractures | Diagnosis | ICD-9-CM |
| 803.0 | Other closed skull fracture without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 803.00 | Other closed skull fracture without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.01 | Other closed skull fracture without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.02 | Other closed skull fracture without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.03 | Other closed skull fracture without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.04 | Other closed skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.05 | Other closed skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.06 | Other closed skull fracture without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.09 | Other closed skull fracture without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.1 | Other closed skull fracture with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 803.10 | Other closed skull fracture with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.11 | Other closed skull fracture with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.12 | Other closed skull fracture with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.13 | Other closed skull fracture with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.14 | Other closed skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.15 | Other closed skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.16 | Other closed skull fracture with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.19 | Other closed skull fracture with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.2 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 803.20 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.21 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.22 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.23 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.24 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.25 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.26 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.29 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.3 | Closed skull fracture with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 803.30 | Other closed skull fracture with other and unspecified intracranial hemorrhage, unspecified state of unconsciousness | Diagnosis | ICD-9-CM |
| 803.31 | Other closed skull fracture with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.32 | Other closed skull fracture with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.33 | Other closed skull fracture with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.34 | Other closed skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.35 | Other closed skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.36 | Other closed skull fracture with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.39 | Other closed skull fracture with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.4 | Other closed skull fracture with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 803.40 | Other closed skull fracture with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.41 | Other closed skull fracture with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.42 | Other closed skull fracture with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.43 | Other closed skull fracture with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.44 | Other closed skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.45 | Other closed skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.46 | Other closed skull fracture with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.49 | Other closed skull fracture with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.5 | Other open skull fracture without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 803.50 | Other open skull fracture without mention of injury, state of consciousness unspecified | Diagnosis | ICD-9-CM |
| 803.51 | Other open skull fracture without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.52 | Other open skull fracture without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.53 | Other open skull fracture without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.54 | Other open skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.55 | Other open skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.56 | Other open skull fracture without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.59 | Other open skull fracture without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.6 | Other open skull fracture with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 803.60 | Other open skull fracture with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.61 | Other open skull fracture with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.62 | Other open skull fracture with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.63 | Other open skull fracture with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.64 | Other open skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.65 | Other open skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.66 | Other open skull fracture with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.69 | Other open skull fracture with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.7 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 803.70 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.71 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.72 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.73 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.74 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.75 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.76 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.79 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.8 | Other open skull fracture with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 803.80 | Other open skull fracture with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.81 | Other open skull fracture with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.82 | Other open skull fracture with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.83 | Other open skull fracture with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.84 | Other open skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.85 | Other open skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.86 | Other open skull fracture with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.89 | Other open skull fracture with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.9 | Other open skull fracture with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 803.90 | Other open skull fracture with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.91 | Other open skull fracture with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.92 | Other open skull fracture with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.93 | Other open skull fracture with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.94 | Other open skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.95 | Other open skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.96 | Other open skull fracture with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.99 | Other open skull fracture with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 804 | Multiple fractures involving skull or face with other bones | Diagnosis | ICD-9-CM |
| 804.0 | Closed fractures involving skull or face with other bones, without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 804.00 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.01 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 804.02 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.03 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.04 | Closed fractures involving skull or face with other bones, without mention or intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.05 | Closed fractures involving skull of face with other bones, without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.06 | Closed fractures involving skull of face with other bones, without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.09 | Closed fractures involving skull of face with other bones, without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.1 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 804.10 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.11 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.12 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.13 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.14 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.15 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.16 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.19 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.2 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 804.20 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.21 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 804.22 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.23 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.24 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.25 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.26 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.29 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.3 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 804.30 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.31 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.32 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.33 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.34 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level | Diagnosis | ICD-9-CM |
| 804.35 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.36 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.39 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 804.4 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 804.40 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.41 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.42 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.43 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.44 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.45 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.46 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.49 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.5 | Open fractures involving skull or face with other bones, without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 804.50 | Open fractures involving skull or face with other bones, without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.51 | Open fractures involving skull or face with other bones, without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.52 | Open fractures involving skull or face with other bones, without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.53 | Open fractures involving skull or face with other bones, without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.54 | Open fractures involving skull or face with other bones, without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.55 | Open fractures involving skull or face with other bones, without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.56 | Open fractures involving skull or face with other bones, without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.59 | Open fractures involving skull or face with other bones, without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 804.6 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 804.60 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.61 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.62 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.63 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.64 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.65 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.66 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.69 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.7 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 804.70 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.71 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.72 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.73 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.74 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.75 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 804.76 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.79 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.8 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 804.80 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.81 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.82 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.83 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.84 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.85 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.86 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.89 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.9 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 804.90 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.91 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.92 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.93 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 804.94 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.95 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing level | Diagnosis | ICD-9-CM |
| 804.96 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.99 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 805 | Fracture of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.0 | Closed fracture of cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.00 | Closed fracture of cervical vertebra, unspecified level without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.01 | Closed fracture of first cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.02 | Closed fracture of second cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.03 | Closed fracture of third cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.04 | Closed fracture of fourth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.05 | Closed fracture of fifth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.06 | Closed fracture of sixth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.07 | Closed fracture of seventh cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.08 | Closed fracture of multiple cervical vertebrae without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.1 | Open fracture of cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.10 | Open fracture of cervical vertebra, unspecified level without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.11 | Open fracture of first cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.12 | Open fracture of second cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.13 | Open fracture of third cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.14 | Open fracture of fourth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.15 | Open fracture of fifth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.16 | Open fracture of sixth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.17 | Open fracture of seventh cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.18 | Open fracture of multiple cervical vertebrae without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.2 | Closed fracture of dorsal (thoracic) vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.3 | Open fracture of dorsal (thoracic) vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.4 | Closed fracture of lumbar vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.5 | Open fracture of lumbar vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 805.6 | Closed fracture of sacrum and coccyx without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.7 | Open fracture of sacrum and coccyx without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.8 | Closed fracture of unspecified part of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.9 | Open fracture of unspecified part of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 806 | Fracture of vertebral column with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.0 | Closed fracture of cervical vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.00 | Closed fracture of C1-C4 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.01 | Closed fracture of C1-C4 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.02 | Closed fracture of C1-C4 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.03 | Closed fracture of C1-C4 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.04 | Closed fracture of C1-C4 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.05 | Closed fracture of C5-C7 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.06 | Closed fracture of C5-C7 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.07 | Closed fracture of C5-C7 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.08 | Closed fracture of C5-C7 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.09 | Closed fracture of C5-C7 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.1 | Open fracture of cervical vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.10 | Open fracture of C1-C4 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.11 | Open fracture of C1-C4 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.12 | Open fracture of C1-C4 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.13 | Open fracture of C1-C4 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.14 | Open fracture of C1-C4 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.15 | Open fracture of C5-C7 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.16 | Open fracture of C5-C7 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.17 | Open fracture of C5-C7 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.18 | Open fracture of C5-C7 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.19 | Open fracture of C5-C7 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.2 | Closed fracture of dorsal (thoracic) vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.20 | Closed fracture of T1-T6 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.21 | Closed fracture of T1-T6 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.22 | Closed fracture of T1-T6 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.23 | Closed fracture of T1-T6 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.24 | Closed fracture of T1-T6 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.25 | Closed fracture of T7-T12 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.26 | Closed fracture of T7-T12 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.27 | Closed fracture of T7-T12 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.28 | Closed fracture of T7-T12 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.29 | Closed fracture of T7-T12 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 806.3 | Open fracture of dorsal vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.30 | Open fracture of T1-T6 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.31 | Open fracture of T1-T6 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.32 | Open fracture of T1-T6 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.33 | Open fracture of T1-T6 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.34 | Open fracture of T1-T6 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.35 | Open fracture of T7-T12 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.36 | Open fracture of T7-T12 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.37 | Open fracture of T7-T12 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.38 | Open fracture of T7-T12 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.39 | Open fracture of T7-T12 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.4 | Closed fracture of lumbar spine with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.5 | Open fracture of lumbar spine with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.6 | Closed fracture of sacrum and coccyx with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.60 | Closed fracture of sacrum and coccyx with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.61 | Closed fracture of sacrum and coccyx with complete cauda equina lesion | Diagnosis | ICD-9-CM |
| 806.62 | Closed fracture of sacrum and coccyx with other cauda equina injury | Diagnosis | ICD-9-CM |
| 806.69 | Closed fracture of sacrum and coccyx with other spinal cord injury | Diagnosis | ICD-9-CM |
| 806.7 | Open fracture of sacrum and coccyx with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.70 | Open fracture of sacrum and coccyx with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.71 | Open fracture of sacrum and coccyx with complete cauda equina lesion | Diagnosis | ICD-9-CM |
| 806.72 | Open fracture of sacrum and coccyx with other cauda equina injury | Diagnosis | ICD-9-CM |
| 806.79 | Open fracture of sacrum and coccyx with other spinal cord injury | Diagnosis | ICD-9-CM |
| 806.8 | Closed fracture of unspecified vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.9 | Open fracture of unspecified vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 807 | Fracture of rib(s), sternum, larynx, and trachea | Diagnosis | ICD-9-CM |
| 807.0 | Closed fracture of rib(s) | Diagnosis | ICD-9-CM |
| 807.00 | Closed fracture of rib(s), unspecified | Diagnosis | ICD-9-CM |
| 807.01 | Closed fracture of one rib | Diagnosis | ICD-9-CM |
| 807.02 | Closed fracture of two ribs | Diagnosis | ICD-9-CM |
| 807.03 | Closed fracture of three ribs | Diagnosis | ICD-9-CM |
| 807.04 | Closed fracture of four ribs | Diagnosis | ICD-9-CM |
| 807.05 | Closed fracture of five ribs | Diagnosis | ICD-9-CM |
| 807.06 | Closed fracture of six ribs | Diagnosis | ICD-9-CM |
| 807.07 | Closed fracture of seven ribs | Diagnosis | ICD-9-CM |
| 807.08 | Closed fracture of eight or more ribs | Diagnosis | ICD-9-CM |
| 807.09 | Closed fracture of multiple ribs, unspecified | Diagnosis | ICD-9-CM |
| 807.1 | Open fracture of rib(s) | Diagnosis | ICD-9-CM |
| 807.10 | Open fracture of rib(s), unspecified | Diagnosis | ICD-9-CM |
| 807.11 | Open fracture of one rib | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 807.12 | Open fracture of two ribs | Diagnosis | ICD-9-CM |
| 807.13 | Open fracture of three ribs | Diagnosis | ICD-9-CM |
| 807.14 | Open fracture of four ribs | Diagnosis | ICD-9-CM |
| 807.15 | Open fracture of five ribs | Diagnosis | ICD-9-CM |
| 807.16 | Open fracture of six ribs | Diagnosis | ICD-9-CM |
| 807.17 | Open fracture of seven ribs | Diagnosis | ICD-9-CM |
| 807.18 | Open fracture of eight or more ribs | Diagnosis | ICD-9-CM |
| 807.19 | Open fracture of multiple ribs, unspecified | Diagnosis | ICD-9-CM |
| 807.2 | Closed fracture of sternum | Diagnosis | ICD-9-CM |
| 807.3 | Open fracture of sternum | Diagnosis | ICD-9-CM |
| 807.4 | Flail chest | Diagnosis | ICD-9-CM |
| 807.5 | Closed fracture of larynx and trachea | Diagnosis | ICD-9-CM |
| 807.6 | Open fracture of larynx and trachea | Diagnosis | ICD-9-CM |
| 808 | Fracture of pelvis | Diagnosis | ICD-9-CM |
| 808.0 | Closed fracture of acetabulum | Diagnosis | ICD-9-CM |
| 808.1 | Open fracture of acetabulum | Diagnosis | ICD-9-CM |
| 808.2 | Closed fracture of pubis | Diagnosis | ICD-9-CM |
| 808.3 | Open fracture of pubis | Diagnosis | ICD-9-CM |
| 808.4 | Closed fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.41 | Closed fracture of ilium | Diagnosis | ICD-9-CM |
| 808.42 | Closed fracture of ischium | Diagnosis | ICD-9-CM |
| 808.43 | Multiple closed pelvic fractures with disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.44 | Multiple closed pelvic fractures without disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.49 | Closed fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.5 | Open fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.51 | Open fracture of ilium | Diagnosis | ICD-9-CM |
| 808.52 | Open fracture of ischium | Diagnosis | ICD-9-CM |
| 808.53 | Multiple open pelvic fractures with disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.54 | Multiple open pelvic fractures without disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.59 | Open fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.8 | Unspecified closed fracture of pelvis | Diagnosis | ICD-9-CM |
| 808.9 | Unspecified open fracture of pelvis | Diagnosis | ICD-9-CM |
| 809 | Ill-defined fractures of bones of trunk | Diagnosis | ICD-9-CM |
| 809.0 | Fracture of bones of trunk, closed | Diagnosis | ICD-9-CM |
| 809.1 | Fracture of bones of trunk, open | Diagnosis | ICD-9-CM |
| 810 | Fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.0 | Closed fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.00 | Unspecified part of closed fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.01 | Closed fracture of sternal end of clavicle | Diagnosis | ICD-9-CM |
| 810.02 | Closed fracture of shaft of clavicle | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 810.03 | Closed fracture of acromial end of clavicle | Diagnosis | ICD-9-CM |
| 810.1 | Open fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.10 | Unspecified part of open fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.11 | Open fracture of sternal end of clavicle | Diagnosis | ICD-9-CM |
| 810.12 | Open fracture of shaft of clavicle | Diagnosis | ICD-9-CM |
| 810.13 | Open fracture of acromial end of clavicle | Diagnosis | ICD-9-CM |
| 811 | Fracture of scapula | Diagnosis | ICD-9-CM |
| 811.0 | Closed fracture of scapula | Diagnosis | ICD-9-CM |
| 811.00 | Closed fracture of unspecified part of scapula | Diagnosis | ICD-9-CM |
| 811.01 | Closed fracture of acromial process of scapula | Diagnosis | ICD-9-CM |
| 811.02 | Closed fracture of coracoid process of scapula | Diagnosis | ICD-9-CM |
| 811.03 | Closed fracture of glenoid cavity and neck of scapula | Diagnosis | ICD-9-CM |
| 811.09 | Closed fracture of other part of scapula | Diagnosis | ICD-9-CM |
| 811.1 | Open fracture of scapula | Diagnosis | ICD-9-CM |
| 811.10 | Open fracture of unspecified part of scapula | Diagnosis | ICD-9-CM |
| 811.11 | Open fracture of acromial process of scapula | Diagnosis | ICD-9-CM |
| 811.12 | Open fracture of coracoid process | Diagnosis | ICD-9-CM |
| 811.13 | Open fracture of glenoid cavity and neck of scapula | Diagnosis | ICD-9-CM |
| 811.19 | Open fracture of other part of scapula | Diagnosis | ICD-9-CM |
| 812 | Fracture of humerus | Diagnosis | ICD-9-CM |
| 812.0 | Closed fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.00 | Closed fracture of unspecified part of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.01 | Closed fracture of surgical neck of humerus | Diagnosis | ICD-9-CM |
| 812.02 | Closed fracture of anatomical neck of humerus | Diagnosis | ICD-9-CM |
| 812.03 | Closed fracture of greater tuberosity of humerus | Diagnosis | ICD-9-CM |
| 812.09 | Other closed fractures of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.1 | Open fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.10 | Open fracture of unspecified part of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.11 | Open fracture of surgical neck of humerus | Diagnosis | ICD-9-CM |
| 812.12 | Open fracture of anatomical neck of humerus | Diagnosis | ICD-9-CM |
| 812.13 | Open fracture of greater tuberosity of humerus | Diagnosis | ICD-9-CM |
| 812.19 | Other open fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.2 | Closed fracture of shaft or unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.20 | Closed fracture of unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.21 | Closed fracture of shaft of humerus | Diagnosis | ICD-9-CM |
| 812.3 | Open fracture of shaft or unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.30 | Open fracture of unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.31 | Open fracture of shaft of humerus | Diagnosis | ICD-9-CM |
| 812.4 | Closed fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.40 | Closed fracture of unspecified part of lower end of humerus | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 812.41 | Closed fracture of supracondylar humerus | Diagnosis | ICD-9-CM |
| 812.42 | Closed fracture of lateral condyle of humerus | Diagnosis | ICD-9-CM |
| 812.43 | Closed fracture of medial condyle of humerus | Diagnosis | ICD-9-CM |
| 812.44 | Closed fracture of unspecified condyle(s) of humerus | Diagnosis | ICD-9-CM |
| 812.49 | Other closed fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.5 | Open fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.50 | Open fracture of unspecified part of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.51 | Open fracture of supracondylar humerus | Diagnosis | ICD-9-CM |
| 812.52 | Open fracture of lateral condyle of humerus | Diagnosis | ICD-9-CM |
| 812.53 | Open fracture of medial condyle of humerus | Diagnosis | ICD-9-CM |
| 812.54 | Open fracture of unspecified condyle(s) of humerus | Diagnosis | ICD-9-CM |
| 812.59 | Other open fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 813 | Fracture of radius and ulna | Diagnosis | ICD-9-CM |
| 813.0 | Closed fracture of upper end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.00 | Unspecified fracture of radius and ulna, upper end of forearm, closed | Diagnosis | ICD-9-CM |
| 813.01 | Closed fracture of olecranon process of ulna | Diagnosis | ICD-9-CM |
| 813.02 | Closed fracture of coronoid process of ulna | Diagnosis | ICD-9-CM |
| 813.03 | Closed Monteggia's fracture | Diagnosis | ICD-9-CM |
| 813.04 | Other and unspecified closed fractures of proximal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.05 | Closed fracture of head of radius | Diagnosis | ICD-9-CM |
| 813.06 | Closed fracture of neck of radius | Diagnosis | ICD-9-CM |
| 813.07 | Other and unspecified closed fractures of proximal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.08 | Closed fracture of radius with ulna, upper end (any part) | Diagnosis | ICD-9-CM |
| 813.1 | Open fracture of upper end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.10 | Unspecified open fracture of upper end of forearm | Diagnosis | ICD-9-CM |
| 813.11 | Open fracture of olecranon process of ulna | Diagnosis | ICD-9-CM |
| 813.12 | Open fracture of coronoid process of ulna | Diagnosis | ICD-9-CM |
| 813.13 | Open Monteggia's fracture | Diagnosis | ICD-9-CM |
| 813.14 | Other and unspecified open fractures of proximal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.15 | Open fracture of head of radius | Diagnosis | ICD-9-CM |
| 813.16 | Open fracture of neck of radius | Diagnosis | ICD-9-CM |
| 813.17 | Other and unspecified open fractures of proximal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.18 | Open fracture of radius with ulna, upper end (any part) | Diagnosis | ICD-9-CM |
| 813.2 | Closed fracture of shaft of radius and ulna | Diagnosis | ICD-9-CM |
| 813.20 | Unspecified closed fracture of shaft of radius or ulna | Diagnosis | ICD-9-CM |
| 813.21 | Closed fracture of shaft of radius (alone) | Diagnosis | ICD-9-CM |
| 813.22 | Closed fracture of shaft of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.23 | Closed fracture of shaft of radius with ulna | Diagnosis | ICD-9-CM |
| 813.3 | Open fracture of shaft of radius and ulna | Diagnosis | ICD-9-CM |
| 813.30 | Unspecified open fracture of shaft of radius or ulna | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 813.31 | Open fracture of shaft of radius (alone) | Diagnosis | ICD-9-CM |
| 813.32 | Open fracture of shaft of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.33 | Open fracture of shaft of radius with ulna | Diagnosis | ICD-9-CM |
| 813.4 | Closed fracture of lower end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.40 | Unspecified closed fracture of lower end of forearm | Diagnosis | ICD-9-CM |
| 813.41 | Closed Colles' fracture | Diagnosis | ICD-9-CM |
| 813.42 | Other closed fractures of distal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.43 | Closed fracture of distal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.44 | Closed fracture of lower end of radius with ulna | Diagnosis | ICD-9-CM |
| 813.45 | Torus fracture of radius (alone) | Diagnosis | ICD-9-CM |
| 813.46 | Torus fracture of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.47 | Torus fracture of radius and ulna | Diagnosis | ICD-9-CM |
| 813.5 | Open fracture of lower end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.50 | Unspecified open fracture of lower end of forearm | Diagnosis | ICD-9-CM |
| 813.51 | Open Colles' fracture | Diagnosis | ICD-9-CM |
| 813.52 | Other open fractures of distal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.53 | Open fracture of distal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.54 | Open fracture of lower end of radius with ulna | Diagnosis | ICD-9-CM |
| 813.8 | Closed fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.80 | Closed fracture of unspecified part of forearm | Diagnosis | ICD-9-CM |
| 813.81 | Closed fracture of unspecified part of radius (alone) | Diagnosis | ICD-9-CM |
| 813.82 | Closed fracture of unspecified part of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.83 | Closed fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.9 | Open fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.90 | Open fracture of unspecified part of forearm | Diagnosis | ICD-9-CM |
| 813.91 | Open fracture of unspecified part of radius (alone) | Diagnosis | ICD-9-CM |
| 813.92 | Open fracture of unspecified part of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.93 | Open fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 814 | Fracture of carpal bone(s) | Diagnosis | ICD-9-CM |
| 814.0 | Closed fractures of carpal bones | Diagnosis | ICD-9-CM |
| 814.00 | Unspecified closed fracture of carpal bone | Diagnosis | ICD-9-CM |
| 814.01 | Closed fracture of navicular (scaphoid) bone of wrist | Diagnosis | ICD-9-CM |
| 814.02 | Closed fracture of lunate (semilunar) bone of wrist | Diagnosis | ICD-9-CM |
| 814.03 | Closed fracture of triquetral (cuneiform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.04 | Closed fracture of pisiform bone of wrist | Diagnosis | ICD-9-CM |
| 814.05 | Closed fracture of trapezium bone (larger multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.06 | Closed fracture of trapezoid bone (smaller multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.07 | Closed fracture of capitate bone (os magnum) of wrist | Diagnosis | ICD-9-CM |
| 814.08 | Closed fracture of hamate (unciform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.09 | Closed fracture of other bone of wrist | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 814.1 | Open fractures of carpal bones | Diagnosis | ICD-9-CM |
| 814.10 | Unspecified open fracture of carpal bone | Diagnosis | ICD-9-CM |
| 814.11 | Open fracture of navicular (scaphoid) bone of wrist | Diagnosis | ICD-9-CM |
| 814.12 | Open fracture of lunate (semilunar) bone of wrist | Diagnosis | ICD-9-CM |
| 814.13 | Open fracture of triquetral (cuneiform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.14 | Open fracture of pisiform bone of wrist | Diagnosis | ICD-9-CM |
| 814.15 | Open fracture of trapezium bone (larger multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.16 | Open fracture of trapezoid bone (smaller multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.17 | Open fracture of capitate bone (os magnum) of wrist | Diagnosis | ICD-9-CM |
| 814.18 | Open fracture of hamate (unciform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.19 | Open fracture of other bone of wrist | Diagnosis | ICD-9-CM |
| 815 | Fracture of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.0 | Closed fracture of metacarpal bones | Diagnosis | ICD-9-CM |
| 815.00 | Closed fracture of metacarpal bone(s), site unspecified | Diagnosis | ICD-9-CM |
| 815.01 | Closed fracture of base of thumb (first) metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.02 | Closed fracture of base of other metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.03 | Closed fracture of shaft of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.04 | Closed fracture of neck of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.09 | Closed fracture of multiple sites of metacarpus | Diagnosis | ICD-9-CM |
| 815.1 | Open fracture of metacarpal bones | Diagnosis | ICD-9-CM |
| 815.10 | Open fracture of metacarpal bone(s), site unspecified | Diagnosis | ICD-9-CM |
| 815.11 | Open fracture of base of thumb (first) metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.12 | Open fracture of base of other metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.13 | Open fracture of shaft of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.14 | Open fracture of neck of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.19 | Open fracture of multiple sites of metacarpus | Diagnosis | ICD-9-CM |
| 816 | Fracture of one or more phalanges of hand | Diagnosis | ICD-9-CM |
| 816.0 | Closed fracture of one or more phalanges of hand | Diagnosis | ICD-9-CM |
| 816.00 | Closed fracture of unspecified phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.01 | Closed fracture of middle or proximal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.02 | Closed fracture of distal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.03 | Closed fracture of multiple sites of phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.1 | Open fracture of one or more phalanges of hand | Diagnosis | ICD-9-CM |
| 816.10 | Open fracture of phalanx or phalanges of hand, unspecified | Diagnosis | ICD-9-CM |
| 816.11 | Open fracture of middle or proximal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.12 | Open fracture of distal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.13 | Open fractures of multiple sites of phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 817 | Multiple fractures of hand bones | Diagnosis | ICD-9-CM |
| 817.0 | Multiple closed fractures of hand bones | Diagnosis | ICD-9-CM |
| 817.1 | Multiple open fractures of hand bones | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 818 | Ill-defined fractures of upper limb | Diagnosis | ICD-9-CM |
| 818.0 | Ill-defined closed fractures of upper limb | Diagnosis | ICD-9-CM |
| 818.1 | Ill-defined open fractures of upper limb | Diagnosis | ICD-9-CM |
| 819 | Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 819.0 | Multiple closed fractures involving both upper limbs, and upper limb with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 819.1 | Multiple open fractures involving both upper limbs, and upper limb with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 820 | Fracture of neck of femur | Diagnosis | ICD-9-CM |
| 820.0 | Closed transcervical fracture | Diagnosis | ICD-9-CM |
| 820.00 | Closed fracture of unspecified intracapsular section of neck of femur | Diagnosis | ICD-9-CM |
| 820.01 | Closed fracture of epiphysis (separation) (upper) of neck of femur | Diagnosis | ICD-9-CM |
| 820.02 | Closed fracture of midcervical section of femur | Diagnosis | ICD-9-CM |
| 820.03 | Closed fracture of base of neck of femur | Diagnosis | ICD-9-CM |
| 820.09 | Other closed transcervical fracture of femur | Diagnosis | ICD-9-CM |
| 820.1 | Open transcervical fracture | Diagnosis | ICD-9-CM |
| 820.10 | Open fracture of unspecified intracapsular section of neck of femur | Diagnosis | ICD-9-CM |
| 820.11 | Open fracture of epiphysis (separation) (upper) of neck of femur | Diagnosis | ICD-9-CM |
| 820.12 | Open fracture of midcervical section of femur | Diagnosis | ICD-9-CM |
| 820.13 | Open fracture of base of neck of femur | Diagnosis | ICD-9-CM |
| 820.19 | Other open transcervical fracture of femur | Diagnosis | ICD-9-CM |
| 820.2 | Closed pertrochanteric fracture of femur | Diagnosis | ICD-9-CM |
| 820.20 | Closed fracture of unspecified trochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.21 | Closed fracture of intertrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.22 | Closed fracture of subtrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.3 | Open pertrochanteric fracture of femur | Diagnosis | ICD-9-CM |
| 820.30 | Open fracture of unspecified trochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.31 | Open fracture of intertrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.32 | Open fracture of subtrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.8 | Closed fracture of unspecified part of neck of femur | Diagnosis | ICD-9-CM |
| 820.9 | Open fracture of unspecified part of neck of femur | Diagnosis | ICD-9-CM |
| 821 | Fracture of other and unspecified parts of femur | Diagnosis | ICD-9-CM |
| 821.0 | Closed fracture of shaft or unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.00 | Closed fracture of unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.01 | Closed fracture of shaft of femur | Diagnosis | ICD-9-CM |
| 821.1 | Open fracture of shaft or unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.10 | Open fracture of unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.11 | Open fracture of shaft of femur | Diagnosis | ICD-9-CM |
| 821.2 | Closed fracture of lower end of femur | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 821.20 | Closed fracture of unspecified part of lower end of femur | Diagnosis | ICD-9-CM |
| 821.21 | Closed fracture of femoral condyle | Diagnosis | ICD-9-CM |
| 821.22 | Closed fracture of lower epiphysis of femur | Diagnosis | ICD-9-CM |
| 821.23 | Closed supracondylar fracture of femur | Diagnosis | ICD-9-CM |
| 821.29 | Other closed fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.3 | Open fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.30 | Open fracture of unspecified part of lower end of femur | Diagnosis | ICD-9-CM |
| 821.31 | Open fracture of femoral condyle | Diagnosis | ICD-9-CM |
| 821.32 | Open fracture of lower epiphysis of femur | Diagnosis | ICD-9-CM |
| 821.33 | Open supracondylar fracture of femur | Diagnosis | ICD-9-CM |
| 821.39 | Other open fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 822 | Fracture of patella | Diagnosis | ICD-9-CM |
| 822.0 | Closed fracture of patella | Diagnosis | ICD-9-CM |
| 822.1 | Open fracture of patella | Diagnosis | ICD-9-CM |
| 823 | Fracture of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.0 | Closed fracture of upper end of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.00 | Closed fracture of upper end of tibia | Diagnosis | ICD-9-CM |
| 823.01 | Closed fracture of upper end of fibula | Diagnosis | ICD-9-CM |
| 823.02 | Closed fracture of upper end of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.1 | Open fracture of upper end of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.10 | Open fracture of upper end of tibia | Diagnosis | ICD-9-CM |
| 823.11 | Open fracture of upper end of fibula | Diagnosis | ICD-9-CM |
| 823.12 | Open fracture of upper end of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.2 | Closed fracture of shaft of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.20 | Closed fracture of shaft of tibia | Diagnosis | ICD-9-CM |
| 823.21 | Closed fracture of shaft of fibula | Diagnosis | ICD-9-CM |
| 823.22 | Closed fracture of shaft of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.3 | Open fracture of shaft of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.30 | Open fracture of shaft of tibia | Diagnosis | ICD-9-CM |
| 823.31 | Open fracture of shaft of fibula | Diagnosis | ICD-9-CM |
| 823.32 | Open fracture of shaft of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.4 | Torus fracture of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.40 | Torus fracture of tibia alone | Diagnosis | ICD-9-CM |
| 823.41 | Torus fracture of fibula alone | Diagnosis | ICD-9-CM |
| 823.42 | Torus fracture of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.8 | Closed fracture of unspecified part of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.80 | Closed fracture of unspecified part of tibia | Diagnosis | ICD-9-CM |
| 823.81 | Closed fracture of unspecified part of fibula | Diagnosis | ICD-9-CM |
| 823.82 | Closed fracture of unspecified part of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.9 | Open fracture of unspecified part of tibia and fibula | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 823.90 | Open fracture of unspecified part of tibia | Diagnosis | ICD-9-CM |
| 823.91 | Open fracture of unspecified part of fibula | Diagnosis | ICD-9-CM |
| 823.92 | Open fracture of unspecified part of fibula with tibia | Diagnosis | ICD-9-CM |
| 824 | Fracture of ankle | Diagnosis | ICD-9-CM |
| 824.0 | Closed fracture of medial malleolus | Diagnosis | ICD-9-CM |
| 824.1 | Open fracture of medial malleolus | Diagnosis | ICD-9-CM |
| 824.2 | Closed fracture of lateral malleolus | Diagnosis | ICD-9-CM |
| 824.3 | Open fracture of lateral malleolus | Diagnosis | ICD-9-CM |
| 824.4 | Closed bimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.5 | Open bimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.6 | Closed trimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.7 | Open trimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.8 | Unspecified closed fracture of ankle | Diagnosis | ICD-9-CM |
| 824.9 | Unspecified open fracture of ankle | Diagnosis | ICD-9-CM |
| 825 | Fracture of one or more tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.0 | Closed fracture of calcaneus | Diagnosis | ICD-9-CM |
| 825.1 | Open fracture of calcaneus | Diagnosis | ICD-9-CM |
| 825.2 | Closed fracture of other tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.20 | Closed fracture of unspecified bone(s) of foot (except toes) | Diagnosis | ICD-9-CM |
| 825.21 | Closed fracture of astragalus | Diagnosis | ICD-9-CM |
| 825.22 | Closed fracture of navicular (scaphoid) bone of foot | Diagnosis | ICD-9-CM |
| 825.23 | Closed fracture of cuboid bone | Diagnosis | ICD-9-CM |
| 825.24 | Closed fracture of cuneiform bone of foot | Diagnosis | ICD-9-CM |
| 825.25 | Closed fracture of metatarsal bone(s) | Diagnosis | ICD-9-CM |
| 825.29 | Other closed fracture of tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.3 | Open fracture of other tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.30 | Open fracture of unspecified bone(s) of foot (except toes) | Diagnosis | ICD-9-CM |
| 825.31 | Open fracture of astragalus | Diagnosis | ICD-9-CM |
| 825.32 | Open fracture of navicular (scaphoid) bone of foot | Diagnosis | ICD-9-CM |
| 825.33 | Open fracture of cuboid bone | Diagnosis | ICD-9-CM |
| 825.34 | Open fracture of cuneiform bone of foot, | Diagnosis | ICD-9-CM |
| 825.35 | Open fracture of metatarsal bone(s) | Diagnosis | ICD-9-CM |
| 825.39 | Other open fractures of tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 826 | Fracture of one or more phalanges of foot | Diagnosis | ICD-9-CM |
| 826.0 | Closed fracture of one or more phalanges of foot | Diagnosis | ICD-9-CM |
| 826.1 | Open fracture of one or more phalanges of foot | Diagnosis | ICD-9-CM |
| 827 | Other, multiple, and ill-defined fractures of lower limb | Diagnosis | ICD-9-CM |
| 827.0 | Other, multiple and ill-defined closed fractures of lower limb | Diagnosis | ICD-9-CM |
| 827.1 | Other, multiple and ill-defined open fractures of lower limb | Diagnosis | ICD-9-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 828 | Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 828.0 | Multiple closed fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 828.1 | Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum, open | Diagnosis | ICD-9-CM |
| 829 | Fracture of unspecified bones | Diagnosis | ICD-9-CM |
| 829.0 | Closed fracture of unspecified bone | Diagnosis | ICD-9-CM |
| 829.1 | Open fracture of unspecified bone | Diagnosis | ICD-9-CM |
| S02.0XXA | Fracture of vault of skull, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.0XXB | Fracture of vault of skull, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.101A | Fracture of base of skull, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.101B | Fracture of base of skull, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.102A | Fracture of base of skull, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.102B | Fracture of base of skull, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.109A | Fracture of base of skull, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.109B | Fracture of base of skull, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.110A | Type I occipital condyle fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.110B | Type I occipital condyle fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.111A | Type II occipital condyle fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.111B | Type II occipital condyle fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.112A | Type III occipital condyle fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.112B | Type III occipital condyle fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.113A | Unspecified occipital condyle fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.113B | Unspecified occipital condyle fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.118A | Other fracture of occiput, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.118B | Other fracture of occiput, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.119A | Unspecified fracture of occiput, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.119B | Unspecified fracture of occiput, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11AA | Type I occipital condyle fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11AB | Type I occipital condyle fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11BA | Type I occipital condyle fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11BB | Type I occipital condyle fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11CA | Type II occipital condyle fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S02.11CB | Type II occipital condyle fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11DA | Type II occipital condyle fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11DB | Type II occipital condyle fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11EA | Type III occipital condyle fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11EB | Type III occipital condyle fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11FA | Type III occipital condyle fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11FB | Type III occipital condyle fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11GA | Other fracture of occiput, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11GB | Other fracture of occiput, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11HA | Other fracture of occiput, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11HB | Other fracture of occiput, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.19XA | Other fracture of base of skull, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.19XB | Other fracture of base of skull, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.2XXA | Fracture of nasal bones, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.2XXB | Fracture of nasal bones, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.30XA | Fracture of orbital floor, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.30XB | Fracture of orbital floor, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.31XA | Fracture of orbital floor, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.31XB | Fracture of orbital floor, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.32XA | Fracture of orbital floor, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.32XB | Fracture of orbital floor, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.400A | Malar fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.400B | Malar fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.401A | Maxillary fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.401B | Maxillary fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.402A | Zygomatic fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.402B | Zygomatic fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40AA | Malar fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40AB | Malar fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40BA | Malar fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40BB | Malar fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40CA | Maxillary fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40CB | Maxillary fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40DA | Maxillary fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40DB | Maxillary fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40EA | Zygomatic fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40EB | Zygomatic fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40FA | Zygomatic fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40FB | Zygomatic fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.411A | LeFort I fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S02.411B | LeFort I fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.412A | LeFort II fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.412B | LeFort II fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.413A | LeFort III fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.413B | LeFort III fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.42XA | Fracture of alveolus of maxilla, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.42XB | Fracture of alveolus of maxilla, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.600A | Fracture of unspecified part of body of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.600B | Fracture of unspecified part of body of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.601A | Fracture of unspecified part of body of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.601B | Fracture of unspecified part of body of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.602A | Fracture of unspecified part of body of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.602B | Fracture of unspecified part of body of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.609A | Fracture of mandible, unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.609B | Fracture of mandible, unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.610A | Fracture of condylar process of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.610B | Fracture of condylar process of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.611A | Fracture of condylar process of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.611B | Fracture of condylar process of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.612A | Fracture of condylar process of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.612B | Fracture of condylar process of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.620A | Fracture of subcondylar process of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.620B | Fracture of subcondylar process of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.621A | Fracture of subcondylar process of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.621B | Fracture of subcondylar process of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.622A | Fracture of subcondylar process of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S02.622B | Fracture of subcondylar process of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.630A | Fracture of coronoid process of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.630B | Fracture of coronoid process of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.631A | Fracture of coronoid process of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.631B | Fracture of coronoid process of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.632A | Fracture of coronoid process of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.632B | Fracture of coronoid process of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.640A | Fracture of ramus of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.640B | Fracture of ramus of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.641A | Fracture of ramus of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.641B | Fracture of ramus of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.642A | Fracture of ramus of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.642B | Fracture of ramus of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.650A | Fracture of angle of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.650B | Fracture of angle of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.651A | Fracture of angle of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.651B | Fracture of angle of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.652A | Fracture of angle of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.652B | Fracture of angle of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.66XA | Fracture of symphysis of mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.66XB | Fracture of symphysis of mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.670A | Fracture of alveolus of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.670B | Fracture of alveolus of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.671A | Fracture of alveolus of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.671B | Fracture of alveolus of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.672A | Fracture of alveolus of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.672B | Fracture of alveolus of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.69XA | Fracture of mandible of other specified site, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.69XB | Fracture of mandible of other specified site, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S02.80XA | Fracture of other specified skull and facial bones, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.80XB | Fracture of other specified skull and facial bones, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.81XA | Fracture of other specified skull and facial bones, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.81XB | Fracture of other specified skull and facial bones, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.82XA | Fracture of other specified skull and facial bones, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.82XB | Fracture of other specified skull and facial bones, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.91XA | Unspecified fracture of skull, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.91XB | Unspecified fracture of skull, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.92XA | Unspecified fracture of facial bones, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.92XB | Unspecified fracture of facial bones, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S06.330A | Contusion and laceration of cerebrum, unspecified, without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.331A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.332A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.333A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.334A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.335A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.336A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.337A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.338A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.339A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S06.360A | Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.361A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.362A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.363A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.364A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.365A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.366A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.367A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.368A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.369A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X0A | Epidural hemorrhage without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X1A | Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X2A | Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X3A | Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X4A | Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X5A | Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X6A | Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X7A | Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S06.4X8A | Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X9A | Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X0A | Traumatic subdural hemorrhage without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X1A | Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X2A | Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X3A | Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X4A | Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X5A | Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X6A | Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X7A | Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X8A | Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X9A | Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X0A | Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X1A | Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X2A | Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X3A | Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X4A | Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X5A | Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X6A | Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S06.6X7A | Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X8A | Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X9A | Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.890A | Other specified intracranial injury without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.891A | Other specified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.892A | Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.893A | Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.894A | Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.895A | Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.896A | Other specified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.897A | Other specified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.898A | Other specified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.899A | Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X0A | Unspecified intracranial injury without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X1A | Unspecified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X2A | Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X3A | Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X4A | Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X5A | Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X6A | Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S06.9X7A | Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X8A | Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X9A | Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S12.000A | Unspecified displaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.000B | Unspecified displaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.001A | Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.001B | Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.01XA | Stable burst fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.01XB | Stable burst fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.02XA | Unstable burst fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.02XB | Unstable burst fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.030A | Displaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.030B | Displaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.031A | Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.031B | Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.040A | Displaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.040B | Displaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.041A | Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.041B | Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.090A | Other displaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.090B | Other displaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.091A | Other nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.091B | Other nondisplaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.100A | Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.100B | Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.101A | Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.101B | Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.110A | Anterior displaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.110B | Anterior displaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.111A | Posterior displaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.111B | Posterior displaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.112A | Nondisplaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.112B | Nondisplaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.120A | Other displaced dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.120B | Other displaced dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.121A | Other nondisplaced dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.121B | Other nondisplaced dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.130A | Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.130B | Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.131A | Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.131B | Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.14XA | Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.14XB | Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.150A | Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.150B | Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.151A | Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.151B | Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.190A | Other displaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.190B | Other displaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.191A | Other nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.191B | Other nondisplaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.200A | Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.200B | Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.201A | Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.201B | Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.230A | Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.230B | Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.231A | Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.231B | Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.24XA | Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.24XB | Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.250A | Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.250B | Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.251A | Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.251B | Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.290A | Other displaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.290B | Other displaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.291A | Other nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.291B | Other nondisplaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.300A | Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.300B | Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.301A | Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.301B | Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.330A | Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.330B | Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.331A | Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.331B | Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.34XA | Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.34XB | Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.350A | Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.350B | Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.351A | Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.351B | Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.390A | Other displaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.390B | Other displaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.391A | Other nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.391B | Other nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.400A | Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.400B | Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.401A | Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.401B | Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.430A | Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.430B | Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.431A | Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.431B | Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.44XA | Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.44XB | Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.450A | Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.450B | Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.451A | Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.451B | Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.490A | Other displaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.490B | Other displaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.491A | Other nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.491B | Other nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.500A | Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.500B | Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.501A | Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.501B | Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.530A | Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.530B | Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.531A | Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.531B | Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.54XA | Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.54XB | Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.550A | Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.550B | Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.551A | Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.551B | Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.590A | Other displaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.590B | Other displaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.591A | Other nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.591B | Other nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.600A | Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.600B | Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.601A | Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.601B | Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.630A | Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.630B | Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.631A | Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.631B | Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.64XA | Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.64XB | Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.650A | Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.650B | Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.651A | Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.651B | Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.690A | Other displaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.690B | Other displaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.691A | Other nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.691B | Other nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.8XXA | Fracture of other parts of neck, initial encounter | Diagnosis | ICD-10-CM |
| S12.9XXA | Fracture of neck, unspecified, initial encounter | Diagnosis | ICD-10-CM |
| S14.101A | Unspecified injury at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.102A | Unspecified injury at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.103A | Unspecified injury at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.104A | Unspecified injury at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.105A | Unspecified injury at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.106A | Unspecified injury at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.107A | Unspecified injury at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.109A | Unspecified injury at unspecified level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S14.111A | Complete lesion at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.112A | Complete lesion at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.113A | Complete lesion at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.114A | Complete lesion at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.115A | Complete lesion at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.116A | Complete lesion at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.117A | Complete lesion at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.121A | Central cord syndrome at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.122A | Central cord syndrome at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.123A | Central cord syndrome at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.124A | Central cord syndrome at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.125A | Central cord syndrome at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.126A | Central cord syndrome at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.127A | Central cord syndrome at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.131A | Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.132A | Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.133A | Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.134A | Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.135A | Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.136A | Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.137A | Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.151A | Other incomplete lesion at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.152A | Other incomplete lesion at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.153A | Other incomplete lesion at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.154A | Other incomplete lesion at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.155A | Other incomplete lesion at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.156A | Other incomplete lesion at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.157A | Other incomplete lesion at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S22.000A | Wedge compression fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.000B | Wedge compression fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.001A | Stable burst fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.001B | Stable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.002A | Unstable burst fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.002B | Unstable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.008A | Other fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.008B | Other fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.009A | Unspecified fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.009B | Unspecified fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.010A | Wedge compression fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.010B | Wedge compression fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.011A | Stable burst fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.011B | Stable burst fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.012A | Unstable burst fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.012B | Unstable burst fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.018A | Other fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.018B | Other fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.019A | Unspecified fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.019B | Unspecified fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.020A | Wedge compression fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.020B | Wedge compression fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.021A | Stable burst fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.021B | Stable burst fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.022A | Unstable burst fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.022B | Unstable burst fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.028A | Other fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.028B | Other fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.029A | Unspecified fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.029B | Unspecified fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.030A | Wedge compression fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.030B | Wedge compression fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.031A | Stable burst fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.031B | Stable burst fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.032A | Unstable burst fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.032B | Unstable burst fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.038A | Other fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.038B | Other fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.039A | Unspecified fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.039B | Unspecified fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.040A | Wedge compression fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.040B | Wedge compression fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.041A | Stable burst fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.041B | Stable burst fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.042A | Unstable burst fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.042B | Unstable burst fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.048A | Other fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.048B | Other fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.049A | Unspecified fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.049B | Unspecified fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.050A | Wedge compression fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.050B | Wedge compression fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.051A | Stable burst fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.051B | Stable burst fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.052A | Unstable burst fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.052B | Unstable burst fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.058A | Other fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.058B | Other fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.059A | Unspecified fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.059B | Unspecified fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.060A | Wedge compression fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.060B | Wedge compression fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.061A | Stable burst fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.061B | Stable burst fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.062A | Unstable burst fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.062B | Unstable burst fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.068A | Other fracture of T7-T8 thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.068B | Other fracture of T7-T8 thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.069A | Unspecified fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.069B | Unspecified fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.070A | Wedge compression fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.070B | Wedge compression fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.071A | Stable burst fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.071B | Stable burst fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.072A | Unstable burst fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.072B | Unstable burst fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.078A | Other fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.078B | Other fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.079A | Unspecified fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.079B | Unspecified fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.080A | Wedge compression fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.080B | Wedge compression fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.081A | Stable burst fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.081B | Stable burst fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.082A | Unstable burst fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.082B | Unstable burst fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.088A | Other fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.088B | Other fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.089A | Unspecified fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.089B | Unspecified fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.20XA | Unspecified fracture of sternum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.20XB | Unspecified fracture of sternum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.21XA | Fracture of manubrium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.21XB | Fracture of manubrium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.22XA | Fracture of body of sternum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.22XB | Fracture of body of sternum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.23XA | Sternal manubrial dissociation, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.23XB | Sternal manubrial dissociation, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.24XA | Fracture of xiphoid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.24XB | Fracture of xiphoid process, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.31XA | Fracture of one rib, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.31XB | Fracture of one rib, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.32XA | Fracture of one rib, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.32XB | Fracture of one rib, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.39XA | Fracture of one rib, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.39XB | Fracture of one rib, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.41XA | Multiple fractures of ribs, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.41XB | Multiple fractures of ribs, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.42XA | Multiple fractures of ribs, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.42XB | Multiple fractures of ribs, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.43XA | Multiple fractures of ribs, bilateral, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.43XB | Multiple fractures of ribs, bilateral, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.49XA | Multiple fractures of ribs, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.49XB | Multiple fractures of ribs, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.5XXA | Flail chest, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.5XXB | Flail chest, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.9XXA | Fracture of bony thorax, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.9XXB | Fracture of bony thorax, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S24.101A | Unspecified injury at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.102A | Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.103A | Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.104A | Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.109A | Unspecified injury at unspecified level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.111A | Complete lesion at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.112A | Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.113A | Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S24.114A | Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.131A | Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.132A | Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.133A | Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.134A | Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.151A | Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.152A | Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.153A | Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.154A | Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S32.000A | Wedge compression fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.000B | Wedge compression fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.001A | Stable burst fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.001B | Stable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.002A | Unstable burst fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.002B | Unstable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.008A | Other fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.008B | Other fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.009A | Unspecified fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.009B | Unspecified fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.010A | Wedge compression fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.010B | Wedge compression fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.011A | Stable burst fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.011B | Stable burst fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.012A | Unstable burst fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.012B | Unstable burst fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.018A | Other fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.018B | Other fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.019A | Unspecified fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.019B | Unspecified fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.020A | Wedge compression fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.020B | Wedge compression fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.021A | Stable burst fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.021B | Stable burst fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.022A | Unstable burst fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.022B | Unstable burst fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.028A | Other fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.028B | Other fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.029A | Unspecified fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.029B | Unspecified fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.030A | Wedge compression fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.030B | Wedge compression fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.031A | Stable burst fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.031B | Stable burst fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.032A | Unstable burst fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.032B | Unstable burst fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.038A | Other fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.038B | Other fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.039A | Unspecified fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.039B | Unspecified fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.040A | Wedge compression fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.040B | Wedge compression fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.041A | Stable burst fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.041B | Stable burst fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.042A | Unstable burst fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.042B | Unstable burst fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.048A | Other fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.048B | Other fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.049A | Unspecified fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.049B | Unspecified fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.050A | Wedge compression fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.050B | Wedge compression fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.051A | Stable burst fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.051B | Stable burst fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.052A | Unstable burst fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.052B | Unstable burst fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.058A | Other fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.058B | Other fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.059A | Unspecified fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.059B | Unspecified fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.10XA | Unspecified fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.10XB | Unspecified fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.110A | Nondisplaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.110B | Nondisplaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.111A | Minimally displaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.111B | Minimally displaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.112A | Severely displaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.112B | Severely displaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.119A | Unspecified Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.119B | Unspecified Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.120A | Nondisplaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.120B | Nondisplaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.121A | Minimally displaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.121B | Minimally displaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.122A | Severely displaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.122B | Severely displaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.129A | Unspecified Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.129B | Unspecified Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.130A | Nondisplaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.130B | Nondisplaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.131A | Minimally displaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.131B | Minimally displaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.132A | Severely displaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.132B | Severely displaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.139A | Unspecified Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.139B | Unspecified Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.14XA | Type 1 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.14XB | Type 1 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.15XA | Type 2 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.15XB | Type 2 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.16XA | Type 3 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.16XB | Type 3 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.17XA | Type 4 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.17XB | Type 4 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.19XA | Other fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.19XB | Other fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.2XXA | Fracture of coccyx, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.2XXB | Fracture of coccyx, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.301A | Unspecified fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.301B | Unspecified fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.302A | Unspecified fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.302B | Unspecified fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.309A | Unspecified fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.309B | Unspecified fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.311A | Displaced avulsion fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.311B | Displaced avulsion fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.312A | Displaced avulsion fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.312B | Displaced avulsion fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.313A | Displaced avulsion fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.313B | Displaced avulsion fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.314A | Nondisplaced avulsion fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.314B | Nondisplaced avulsion fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.315A | Nondisplaced avulsion fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.315B | Nondisplaced avulsion fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.316A | Nondisplaced avulsion fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.316B | Nondisplaced avulsion fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.391A | Other fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.391B | Other fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.392A | Other fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.392B | Other fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.399A | Other fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.399B | Other fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.401A | Unspecified fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.401B | Unspecified fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.402A | Unspecified fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.402B | Unspecified fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.409A | Unspecified fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.409B | Unspecified fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.411A | Displaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.411B | Displaced fracture of anterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.412A | Displaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.412B | Displaced fracture of anterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.413A | Displaced fracture of anterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.413B | Displaced fracture of anterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.414A | Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.414B | Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.415A | Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.415B | Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.416A | Nondisplaced fracture of anterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.416B | Nondisplaced fracture of anterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.421A | Displaced fracture of posterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.421B | Displaced fracture of posterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.422A | Displaced fracture of posterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.422B | Displaced fracture of posterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.423A | Displaced fracture of posterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.423B | Displaced fracture of posterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.424A | Nondisplaced fracture of posterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.424B | Nondisplaced fracture of posterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.425A | Nondisplaced fracture of posterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.425B | Nondisplaced fracture of posterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.426A | Nondisplaced fracture of posterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.426B | Nondisplaced fracture of posterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.431A | Displaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.431B | Displaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.432A | Displaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.432B | Displaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.433A | Displaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.433B | Displaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.434A | Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.434B | Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.435A | Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.435B | Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.436A | Nondisplaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.436B | Nondisplaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.441A | Displaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.441B | Displaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.442A | Displaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.442B | Displaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.443A | Displaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.443B | Displaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.444A | Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.444B | Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.445A | Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.445B | Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.446A | Nondisplaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.446B | Nondisplaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.451A | Displaced transverse fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.451B | Displaced transverse fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.452A | Displaced transverse fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.452B | Displaced transverse fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.453A | Displaced transverse fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.453B | Displaced transverse fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.454A | Nondisplaced transverse fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.454B | Nondisplaced transverse fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.455A | Nondisplaced transverse fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.455B | Nondisplaced transverse fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.456A | Nondisplaced transverse fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.456B | Nondisplaced transverse fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.461A | Displaced associated transverse-posterior fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.461B | Displaced associated transverse-posterior fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.462A | Displaced associated transverse-posterior fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.462B | Displaced associated transverse-posterior fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.463A | Displaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.463B | Displaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.464A | Nondisplaced associated transverse-posterior fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.464B | Nondisplaced associated transverse-posterior fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.465A | Nondisplaced associated transverse-posterior fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.465B | Nondisplaced associated transverse-posterior fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.466A | Nondisplaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.466B | Nondisplaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.471A | Displaced fracture of medial wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.471B | Displaced fracture of medial wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.472A | Displaced fracture of medial wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.472B | Displaced fracture of medial wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.473A | Displaced fracture of medial wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.473B | Displaced fracture of medial wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.474A | Nondisplaced fracture of medial wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.474B | Nondisplaced fracture of medial wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.475A | Nondisplaced fracture of medial wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.475B | Nondisplaced fracture of medial wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.476A | Nondisplaced fracture of medial wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.476B | Nondisplaced fracture of medial wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.481A | Displaced dome fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.481B | Displaced dome fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.482A | Displaced dome fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.482B | Displaced dome fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.483A | Displaced dome fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.483B | Displaced dome fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.484A | Nondisplaced dome fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.484B | Nondisplaced dome fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.485A | Nondisplaced dome fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.485B | Nondisplaced dome fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.486A | Nondisplaced dome fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.486B | Nondisplaced dome fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.491A | Other specified fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.491B | Other specified fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.492A | Other specified fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.492B | Other specified fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.499A | Other specified fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.499B | Other specified fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.501A | Unspecified fracture of right pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.501B | Unspecified fracture of right pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.502A | Unspecified fracture of left pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.502B | Unspecified fracture of left pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.509A | Unspecified fracture of unspecified pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.509B | Unspecified fracture of unspecified pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.511A | Fracture of superior rim of right pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.511B | Fracture of superior rim of right pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.512A | Fracture of superior rim of left pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.512B | Fracture of superior rim of left pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.519A | Fracture of superior rim of unspecified pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.519B | Fracture of superior rim of unspecified pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.591A | Other specified fracture of right pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.591B | Other specified fracture of right pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.592A | Other specified fracture of left pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.592B | Other specified fracture of left pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.599A | Other specified fracture of unspecified pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.599B | Other specified fracture of unspecified pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.601A | Unspecified fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.601B | Unspecified fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.602A | Unspecified fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.602B | Unspecified fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.609A | Unspecified fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.609B | Unspecified fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.611A | Displaced avulsion fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.611B | Displaced avulsion fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.612A | Displaced avulsion fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.612B | Displaced avulsion fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.613A | Displaced avulsion fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.613B | Displaced avulsion fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.614A | Nondisplaced avulsion fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.614B | Nondisplaced avulsion fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.615A | Nondisplaced avulsion fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.615B | Nondisplaced avulsion fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.616A | Nondisplaced avulsion fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.616B | Nondisplaced avulsion fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.691A | Other specified fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.691B | Other specified fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.692A | Other specified fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.692B | Other specified fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.699A | Other specified fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.699B | Other specified fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.810A | Multiple fractures of pelvis with stable disruption of pelvic ring, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.810B | Multiple fractures of pelvis with stable disruption of pelvic ring, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.811A | Multiple fractures of pelvis with unstable disruption of pelvic ring, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.811B | Multiple fractures of pelvis with unstable disruption of pelvic ring, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.82XA | Multiple fractures of pelvis without disruption of pelvic ring, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.82XB | Multiple fractures of pelvis without disruption of pelvic ring, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.89XA | Fracture of other parts of pelvis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.89XB | Fracture of other parts of pelvis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.9XXA | Fracture of unspecified parts of lumbosacral spine and pelvis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.9XXB | Fracture of unspecified parts of lumbosacral spine and pelvis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S34.101A | Unspecified injury to L1 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.102A | Unspecified injury to L2 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.103A | Unspecified injury to L3 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.104A | Unspecified injury to L4 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.105A | Unspecified injury to L5 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.109A | Unspecified injury to unspecified level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.111A | Complete lesion of L1 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.112A | Complete lesion of L2 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.113A | Complete lesion of L3 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.114A | Complete lesion of L4 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.115A | Complete lesion of L5 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.119A | Complete lesion of unspecified level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.121A | Incomplete lesion of L1 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.122A | Incomplete lesion of L2 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.123A | Incomplete lesion of L3 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.124A | Incomplete lesion of L4 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.125A | Incomplete lesion of L5 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.129A | Incomplete lesion of unspecified level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.131A | Complete lesion of sacral spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.132A | Incomplete lesion of sacral spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.139A | Unspecified injury to sacral spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.3XXA | Injury of cauda equina, initial encounter | Diagnosis | ICD-10-CM |
| S42.001A | Fracture of unspecified part of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.001B | Fracture of unspecified part of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.002A | Fracture of unspecified part of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.002B | Fracture of unspecified part of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.009A | Fracture of unspecified part of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.009B | Fracture of unspecified part of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.011A | Anterior displaced fracture of sternal end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.011B | Anterior displaced fracture of sternal end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.012A | Anterior displaced fracture of sternal end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.012B | Anterior displaced fracture of sternal end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.013A | Anterior displaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.013B | Anterior displaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.014A | Posterior displaced fracture of sternal end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.014B | Posterior displaced fracture of sternal end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.015A | Posterior displaced fracture of sternal end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.015B | Posterior displaced fracture of sternal end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.016A | Posterior displaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.016B | Posterior displaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.017A | Nondisplaced fracture of sternal end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.017B | Nondisplaced fracture of sternal end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.018A | Nondisplaced fracture of sternal end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.018B | Nondisplaced fracture of sternal end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.019A | Nondisplaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.019B | Nondisplaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.021A | Displaced fracture of shaft of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.021B | Displaced fracture of shaft of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.022A | Displaced fracture of shaft of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.022B | Displaced fracture of shaft of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.023A | Displaced fracture of shaft of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.023B | Displaced fracture of shaft of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.024A | Nondisplaced fracture of shaft of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.024B | Nondisplaced fracture of shaft of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.025A | Nondisplaced fracture of shaft of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.025B | Nondisplaced fracture of shaft of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.026A | Nondisplaced fracture of shaft of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.026B | Nondisplaced fracture of shaft of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.031A | Displaced fracture of lateral end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.031B | Displaced fracture of lateral end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.032A | Displaced fracture of lateral end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.032B | Displaced fracture of lateral end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.033A | Displaced fracture of lateral end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.033B | Displaced fracture of lateral end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.034A | Nondisplaced fracture of lateral end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.034B | Nondisplaced fracture of lateral end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.035A | Nondisplaced fracture of lateral end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.035B | Nondisplaced fracture of lateral end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.036A | Nondisplaced fracture of lateral end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.036B | Nondisplaced fracture of lateral end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.101A | Fracture of unspecified part of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.101B | Fracture of unspecified part of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.102A | Fracture of unspecified part of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.102B | Fracture of unspecified part of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.109A | Fracture of unspecified part of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.109B | Fracture of unspecified part of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.111A | Displaced fracture of body of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.111B | Displaced fracture of body of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.112A | Displaced fracture of body of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.112B | Displaced fracture of body of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.113A | Displaced fracture of body of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.113B | Displaced fracture of body of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.114A | Nondisplaced fracture of body of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.114B | Nondisplaced fracture of body of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.115A | Nondisplaced fracture of body of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.115B | Nondisplaced fracture of body of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.116A | Nondisplaced fracture of body of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.116B | Nondisplaced fracture of body of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.121A | Displaced fracture of acromial process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.121B | Displaced fracture of acromial process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.122A | Displaced fracture of acromial process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.122B | Displaced fracture of acromial process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.123A | Displaced fracture of acromial process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.123B | Displaced fracture of acromial process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.124A | Nondisplaced fracture of acromial process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.124B | Nondisplaced fracture of acromial process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.125A | Nondisplaced fracture of acromial process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.125B | Nondisplaced fracture of acromial process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.126A | Nondisplaced fracture of acromial process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.126B | Nondisplaced fracture of acromial process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.131A | Displaced fracture of coracoid process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.131B | Displaced fracture of coracoid process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.132A | Displaced fracture of coracoid process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.132B | Displaced fracture of coracoid process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.133A | Displaced fracture of coracoid process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.133B | Displaced fracture of coracoid process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.134A | Nondisplaced fracture of coracoid process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.134B | Nondisplaced fracture of coracoid process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.135A | Nondisplaced fracture of coracoid process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.135B | Nondisplaced fracture of coracoid process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.136A | Nondisplaced fracture of coracoid process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.136B | Nondisplaced fracture of coracoid process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.141A | Displaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.141B | Displaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.142A | Displaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.142B | Displaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.143A | Displaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.143B | Displaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.144A | Nondisplaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.144B | Nondisplaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.145A | Nondisplaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.145B | Nondisplaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.146A | Nondisplaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.146B | Nondisplaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.151A | Displaced fracture of neck of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.151B | Displaced fracture of neck of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.152A | Displaced fracture of neck of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.152B | Displaced fracture of neck of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.153A | Displaced fracture of neck of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.153B | Displaced fracture of neck of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.154A | Nondisplaced fracture of neck of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.154B | Nondisplaced fracture of neck of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.155A | Nondisplaced fracture of neck of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.155B | Nondisplaced fracture of neck of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.156A | Nondisplaced fracture of neck of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.156B | Nondisplaced fracture of neck of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.191A | Fracture of other part of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.191B | Fracture of other part of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.192A | Fracture of other part of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.192B | Fracture of other part of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.199A | Fracture of other part of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.199B | Fracture of other part of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.201A | Unspecified fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.201B | Unspecified fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.202A | Unspecified fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.202B | Unspecified fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.209A | Unspecified fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.209B | Unspecified fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.211A | Unspecified displaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.211B | Unspecified displaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.212A | Unspecified displaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.212B | Unspecified displaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.213A | Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.213B | Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.214A | Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.214B | Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.215A | Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.215B | Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.216A | Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.216B | Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.221A | 2-part displaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.221B | 2-part displaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.222A | 2-part displaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.222B | 2-part displaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.223A | 2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.223B | 2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.224A | 2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.224B | 2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.225A | 2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.225B | 2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.226A | 2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.226B | 2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.231A | 3-part fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.231B | 3-part fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.232A | 3-part fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.232B | 3-part fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.239A | 3-part fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.239B | 3-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.241A | 4-part fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.241B | 4-part fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.242A | 4-part fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.242B | 4-part fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.249A | 4-part fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.249B | 4-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.251A | Displaced fracture of greater tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.251B | Displaced fracture of greater tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.252A | Displaced fracture of greater tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.252B | Displaced fracture of greater tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.253A | Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.253B | Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.254A | Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.254B | Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.255A | Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.255B | Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.256A | Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.256B | Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.261A | Displaced fracture of lesser tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.261B | Displaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.262A | Displaced fracture of lesser tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.262B | Displaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.263A | Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.263B | Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.264A | Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.264B | Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.265A | Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.265B | Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.266A | Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.266B | Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.271A | Torus fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.272A | Torus fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.279A | Torus fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.291A | Other displaced fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.291B | Other displaced fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.292A | Other displaced fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.292B | Other displaced fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.293A | Other displaced fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.293B | Other displaced fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.294A | Other nondisplaced fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.294B | Other nondisplaced fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.295A | Other nondisplaced fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.295B | Other nondisplaced fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.296A | Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.296B | Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.301A | Unspecified fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.301B | Unspecified fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.302A | Unspecified fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.302B | Unspecified fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.309A | Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.309B | Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.311A | Greenstick fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.312A | Greenstick fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.319A | Greenstick fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.321A | Displaced transverse fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.321B | Displaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.322A | Displaced transverse fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.322B | Displaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.323A | Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.323B | Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.324A | Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.324B | Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.325A | Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.325B | Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.326A | Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.326B | Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.331A | Displaced oblique fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.331B | Displaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.332A | Displaced oblique fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.332B | Displaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.333A | Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.333B | Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.334A | Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.334B | Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.335A | Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.335B | Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.336A | Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.336B | Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.341A | Displaced spiral fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.341B | Displaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.342A | Displaced spiral fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.342B | Displaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.343A | Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.343B | Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.344A | Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.344B | Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.345A | Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.345B | Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.346A | Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.346B | Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.351A | Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.351B | Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.352A | Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.352B | Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.353A | Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.353B | Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.354A | Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.354B | Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.355A | Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.355B | Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.356A | Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.356B | Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.361A | Displaced segmental fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.361B | Displaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.362A | Displaced segmental fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.362B | Displaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.363A | Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.363B | Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.364A | Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.364B | Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.365A | Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.365B | Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.366A | Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.366B | Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.391A | Other fracture of shaft of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.391B | Other fracture of shaft of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.392A | Other fracture of shaft of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.392B | Other fracture of shaft of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.399A | Other fracture of shaft of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.399B | Other fracture of shaft of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.401A | Unspecified fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.401B | Unspecified fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.402A | Unspecified fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.402B | Unspecified fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.409A | Unspecified fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.409B | Unspecified fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.411A | Displaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.411B | Displaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.412A | Displaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.412B | Displaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.413A | Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.413B | Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.414A | Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.414B | Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.415A | Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.415B | Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.416A | Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.416B | Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.421A | Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.421B | Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.422A | Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.422B | Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.423A | Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.423B | Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.424A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.424B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.425A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.425B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.426A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.426B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.431A | Displaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.431B | Displaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.432A | Displaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.432B | Displaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.433A | Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.433B | Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.434A | Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.434B | Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.435A | Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.435B | Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.436A | Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.436B | Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.441A | Displaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.441B | Displaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.442A | Displaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.442B | Displaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.443A | Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.443B | Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.444A | Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.444B | Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.445A | Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.445B | Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.446A | Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.446B | Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.447A | Incarcerated fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.447B | Incarcerated fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.448A | Incarcerated fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.448B | Incarcerated fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.449A | Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.449B | Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.451A | Displaced fracture of lateral condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.451B | Displaced fracture of lateral condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.452A | Displaced fracture of lateral condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.452B | Displaced fracture of lateral condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.453A | Displaced fracture of lateral condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.453B | Displaced fracture of lateral condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.454A | Nondisplaced fracture of lateral condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.454B | Nondisplaced fracture of lateral condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.455A | Nondisplaced fracture of lateral condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.455B | Nondisplaced fracture of lateral condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.456A | Nondisplaced fracture of lateral condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.456B | Nondisplaced fracture of lateral condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.461A | Displaced fracture of medial condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.461B | Displaced fracture of medial condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.462A | Displaced fracture of medial condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.462B | Displaced fracture of medial condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.463A | Displaced fracture of medial condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.463B | Displaced fracture of medial condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.464A | Nondisplaced fracture of medial condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.464B | Nondisplaced fracture of medial condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.465A | Nondisplaced fracture of medial condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.465B | Nondisplaced fracture of medial condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.466A | Nondisplaced fracture of medial condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.466B | Nondisplaced fracture of medial condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.471A | Displaced transcondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.471B | Displaced transcondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.472A | Displaced transcondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.472B | Displaced transcondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.473A | Displaced transcondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.473B | Displaced transcondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.474A | Nondisplaced transcondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.474B | Nondisplaced transcondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.475A | Nondisplaced transcondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.475B | Nondisplaced transcondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.476A | Nondisplaced transcondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.476B | Nondisplaced transcondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.481A | Torus fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.482A | Torus fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.489A | Torus fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.491A | Other displaced fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.491B | Other displaced fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.492A | Other displaced fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.492B | Other displaced fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.493A | Other displaced fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.493B | Other displaced fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.494A | Other nondisplaced fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.494B | Other nondisplaced fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.495A | Other nondisplaced fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.495B | Other nondisplaced fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.496A | Other nondisplaced fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.496B | Other nondisplaced fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.90XA | Fracture of unspecified shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.90XB | Fracture of unspecified shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.91XA | Fracture of right shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.91XB | Fracture of right shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.92XA | Fracture of left shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.92XB | Fracture of left shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S49.001A | Unspecified physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.002A | Unspecified physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.009A | Unspecified physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.011A | Salter-Harris Type I physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.012A | Salter-Harris Type I physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.019A | Salter-Harris Type I physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.021A | Salter-Harris Type II physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.022A | Salter-Harris Type II physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.029A | Salter-Harris Type II physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.031A | Salter-Harris Type III physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.032A | Salter-Harris Type III physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.039A | Salter-Harris Type III physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.041A | Salter-Harris Type IV physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.042A | Salter-Harris Type IV physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.049A | Salter-Harris Type IV physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.091A | Other physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.092A | Other physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.099A | Other physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.101A | Unspecified physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.102A | Unspecified physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S49.109A | Unspecified physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.111A | Salter-Harris Type I physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.112A | Salter-Harris Type I physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.119A | Salter-Harris Type I physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.121A | Salter-Harris Type II physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.122A | Salter-Harris Type II physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.129A | Salter-Harris Type II physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.131A | Salter-Harris Type III physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.132A | Salter-Harris Type III physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.139A | Salter-Harris Type III physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.141A | Salter-Harris Type IV physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.142A | Salter-Harris Type IV physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.149A | Salter-Harris Type IV physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.191A | Other physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.192A | Other physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.199A | Other physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.001A | Unspecified fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.001B | Unspecified fracture of upper end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.001C | Unspecified fracture of upper end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.002A | Unspecified fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.002B | Unspecified fracture of upper end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.002C | Unspecified fracture of upper end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.009A | Unspecified fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.009B | Unspecified fracture of upper end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.009C | Unspecified fracture of upper end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.011A | Torus fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.012A | Torus fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.019A | Torus fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.021A | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.021B | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.021C | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.022A | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.022B | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.022C | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.023A | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.023B | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.023C | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.024A | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.024B | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.024C | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.025A | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.025B | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.025C | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.026A | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.026B | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.026C | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.031A | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.031B | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.031C | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.032A | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.032B | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.032C | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.033A | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.033B | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.033C | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.034A | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.034B | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.034C | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.035A | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.035B | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.035C | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.036A | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.036B | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.036C | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.041A | Displaced fracture of coronoid process of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.041B | Displaced fracture of coronoid process of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.041C | Displaced fracture of coronoid process of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.042A | Displaced fracture of coronoid process of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.042B | Displaced fracture of coronoid process of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.042C | Displaced fracture of coronoid process of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.043A | Displaced fracture of coronoid process of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.043B | Displaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.043C | Displaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.044A | Nondisplaced fracture of coronoid process of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.044B | Nondisplaced fracture of coronoid process of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.044C | Nondisplaced fracture of coronoid process of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.045A | Nondisplaced fracture of coronoid process of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.045B | Nondisplaced fracture of coronoid process of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.045C | Nondisplaced fracture of coronoid process of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.046A | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.046B | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.046C | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.091A | Other fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.091B | Other fracture of upper end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.091C | Other fracture of upper end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.092A | Other fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.092B | Other fracture of upper end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.092C | Other fracture of upper end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.099A | Other fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.099B | Other fracture of upper end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.099C | Other fracture of upper end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.101A | Unspecified fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.101B | Unspecified fracture of upper end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.101C | Unspecified fracture of upper end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.102A | Unspecified fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.102B | Unspecified fracture of upper end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.102C | Unspecified fracture of upper end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.109A | Unspecified fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.109B | Unspecified fracture of upper end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.109C | Unspecified fracture of upper end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.111A | Torus fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.112A | Torus fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.119A | Torus fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.121A | Displaced fracture of head of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.121B | Displaced fracture of head of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.121C | Displaced fracture of head of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.122A | Displaced fracture of head of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.122B | Displaced fracture of head of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.122C | Displaced fracture of head of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.123A | Displaced fracture of head of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.123B | Displaced fracture of head of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.123C | Displaced fracture of head of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.124A | Nondisplaced fracture of head of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.124B | Nondisplaced fracture of head of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.124C | Nondisplaced fracture of head of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.125A | Nondisplaced fracture of head of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.125B | Nondisplaced fracture of head of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.125C | Nondisplaced fracture of head of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.126A | Nondisplaced fracture of head of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.126B | Nondisplaced fracture of head of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.126C | Nondisplaced fracture of head of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.131A | Displaced fracture of neck of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.131B | Displaced fracture of neck of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.131C | Displaced fracture of neck of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.132A | Displaced fracture of neck of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.132B | Displaced fracture of neck of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.132C | Displaced fracture of neck of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.133A | Displaced fracture of neck of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.133B | Displaced fracture of neck of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.133C | Displaced fracture of neck of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.134A | Nondisplaced fracture of neck of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.134B | Nondisplaced fracture of neck of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.134C | Nondisplaced fracture of neck of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.135A | Nondisplaced fracture of neck of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.135B | Nondisplaced fracture of neck of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.135C | Nondisplaced fracture of neck of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.136A | Nondisplaced fracture of neck of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.136B | Nondisplaced fracture of neck of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.136C | Nondisplaced fracture of neck of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.181A | Other fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.181B | Other fracture of upper end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.181C | Other fracture of upper end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.182A | Other fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.182B | Other fracture of upper end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.182C | Other fracture of upper end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.189A | Other fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.189B | Other fracture of upper end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.189C | Other fracture of upper end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.201A | Unspecified fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.201B | Unspecified fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.201C | Unspecified fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.202A | Unspecified fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.202B | Unspecified fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.202C | Unspecified fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.209A | Unspecified fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.209B | Unspecified fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.209C | Unspecified fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.211A | Greenstick fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.212A | Greenstick fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.219A | Greenstick fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.221A | Displaced transverse fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.221B | Displaced transverse fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.221C | Displaced transverse fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.222A | Displaced transverse fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.222B | Displaced transverse fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.222C | Displaced transverse fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.223A | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.223B | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.223C | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.224A | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.224B | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.224C | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.225A | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.225B | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.225C | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.226A | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.226B | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.226C | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.231A | Displaced oblique fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.231B | Displaced oblique fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.231C | Displaced oblique fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.232A | Displaced oblique fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.232B | Displaced oblique fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.232C | Displaced oblique fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.233A | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.233B | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.233C | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.234A | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.234B | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.234C | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.235A | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.235B | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.235C | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.236A | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.236B | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.236C | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.241A | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.241B | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.241C | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.242A | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.242B | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.242C | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.243A | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.243B | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.243C | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.244A | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.244B | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.244C | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.245A | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.245B | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.245C | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.246A | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.246B | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.246C | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.251A | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.251B | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.251C | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.252A | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.252B | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.252C | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.253A | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.253B | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.253C | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.254A | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.254B | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.254C | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.255A | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.255B | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.255C | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.256A | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.256B | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.256C | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.261A | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.261B | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.261C | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.262A | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.262B | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.262C | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.263A | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.263B | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.263C | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.264A | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.264B | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.264C | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.265A | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.265B | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.265C | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.266A | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.266B | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.266C | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.271A | Monteggia's fracture of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.271B | Monteggia's fracture of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.271C | Monteggia's fracture of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.272A | Monteggia's fracture of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.272B | Monteggia's fracture of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.272C | Monteggia's fracture of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.279A | Monteggia's fracture of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.279B | Monteggia's fracture of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.279C | Monteggia's fracture of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.281A | Bent bone of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.281B | Bent bone of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.281C | Bent bone of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.282A | Bent bone of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.282B | Bent bone of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.282C | Bent bone of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.283A | Bent bone of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.283B | Bent bone of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.283C | Bent bone of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.291A | Other fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.291B | Other fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.291C | Other fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.292A | Other fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.292B | Other fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.292C | Other fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.299A | Other fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.299B | Other fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.299C | Other fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.301A | Unspecified fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.301B | Unspecified fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.301C | Unspecified fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.302A | Unspecified fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.302B | Unspecified fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.302C | Unspecified fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.309A | Unspecified fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.309B | Unspecified fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.309C | Unspecified fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.311A | Greenstick fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.312A | Greenstick fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.319A | Greenstick fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.321A | Displaced transverse fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.321B | Displaced transverse fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.321C | Displaced transverse fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.322A | Displaced transverse fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.322B | Displaced transverse fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.322C | Displaced transverse fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.323A | Displaced transverse fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.323B | Displaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.323C | Displaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.324A | Nondisplaced transverse fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.324B | Nondisplaced transverse fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.324C | Nondisplaced transverse fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.325A | Nondisplaced transverse fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.325B | Nondisplaced transverse fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.325C | Nondisplaced transverse fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.326A | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.326B | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.326C | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.331A | Displaced oblique fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.331B | Displaced oblique fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.331C | Displaced oblique fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.332A | Displaced oblique fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.332B | Displaced oblique fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.332C | Displaced oblique fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.333A | Displaced oblique fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.333B | Displaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.333C | Displaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.334A | Nondisplaced oblique fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.334B | Nondisplaced oblique fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.334C | Nondisplaced oblique fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.335A | Nondisplaced oblique fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.335B | Nondisplaced oblique fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.335C | Nondisplaced oblique fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.336A | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.336B | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.336C | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.341A | Displaced spiral fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.341B | Displaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.341C | Displaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.342A | Displaced spiral fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.342B | Displaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.342C | Displaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.343A | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.343B | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.343C | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.344A | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.344B | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.344C | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.345A | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.345B | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.345C | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.346A | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.346B | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.346C | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.351A | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.351B | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.351C | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.352A | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.352B | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.352C | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.353A | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.353B | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.353C | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.354A | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.354B | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.354C | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.355A | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.355B | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.355C | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.356A | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.356B | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.356C | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.361A | Displaced segmental fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.361B | Displaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.361C | Displaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.362A | Displaced segmental fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.362B | Displaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.362C | Displaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.363A | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.363B | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.363C | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.364A | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.364B | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.364C | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.365A | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.365B | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.365C | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.366A | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.366B | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.366C | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.371A | Galeazzi's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.371B | Galeazzi's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.371C | Galeazzi's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.372A | Galeazzi's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.372B | Galeazzi's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.372C | Galeazzi's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.379A | Galeazzi's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.379B | Galeazzi's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.379C | Galeazzi's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.381A | Bent bone of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.381B | Bent bone of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.381C | Bent bone of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.382A | Bent bone of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.382B | Bent bone of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.382C | Bent bone of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.389A | Bent bone of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.389B | Bent bone of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.389C | Bent bone of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.391A | Other fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.391B | Other fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.391C | Other fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.392A | Other fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.392B | Other fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.392C | Other fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.399A | Other fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.399B | Other fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.399C | Other fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.501A | Unspecified fracture of the lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.501B | Unspecified fracture of the lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.501C | Unspecified fracture of the lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.502A | Unspecified fracture of the lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.502B | Unspecified fracture of the lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.502C | Unspecified fracture of the lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.509A | Unspecified fracture of the lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.509B | Unspecified fracture of the lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.509C | Unspecified fracture of the lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.511A | Displaced fracture of right radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.511B | Displaced fracture of right radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.511C | Displaced fracture of right radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.512A | Displaced fracture of left radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.512B | Displaced fracture of left radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.512C | Displaced fracture of left radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.513A | Displaced fracture of unspecified radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.513B | Displaced fracture of unspecified radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.513C | Displaced fracture of unspecified radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.514A | Nondisplaced fracture of right radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.514B | Nondisplaced fracture of right radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.514C | Nondisplaced fracture of right radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.515A | Nondisplaced fracture of left radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.515B | Nondisplaced fracture of left radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.515C | Nondisplaced fracture of left radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.516A | Nondisplaced fracture of unspecified radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.516B | Nondisplaced fracture of unspecified radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.516C | Nondisplaced fracture of unspecified radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.521A | Torus fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.522A | Torus fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.529A | Torus fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.531A | Colles' fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.531B | Colles' fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.531C | Colles' fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.532A | Colles' fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.532B | Colles' fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.532C | Colles' fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.539A | Colles' fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.539B | Colles' fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.539C | Colles' fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.541A | Smith's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.541B | Smith's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.541C | Smith's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.542A | Smith's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.542B | Smith's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.542C | Smith's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.549A | Smith's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.549B | Smith's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.549C | Smith's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.551A | Other extraarticular fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.551B | Other extraarticular fracture of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.551C | Other extraarticular fracture of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.552A | Other extraarticular fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.552B | Other extraarticular fracture of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.552C | Other extraarticular fracture of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.559A | Other extraarticular fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.559B | Other extraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.559C | Other extraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.561A | Barton's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.561B | Barton's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.561C | Barton's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.562A | Barton's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.562B | Barton's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.562C | Barton's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.569A | Barton's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.569B | Barton's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.569C | Barton's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.571A | Other intraarticular fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.571B | Other intraarticular fracture of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.571C | Other intraarticular fracture of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.572A | Other intraarticular fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.572B | Other intraarticular fracture of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.572C | Other intraarticular fracture of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.579A | Other intraarticular fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.579B | Other intraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.579C | Other intraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.591A | Other fractures of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.591B | Other fractures of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.591C | Other fractures of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.592A | Other fractures of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.592B | Other fractures of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.592C | Other fractures of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.599A | Other fractures of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.599B | Other fractures of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.599C | Other fractures of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.601A | Unspecified fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.601B | Unspecified fracture of lower end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.601C | Unspecified fracture of lower end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.602A | Unspecified fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.602B | Unspecified fracture of lower end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.602C | Unspecified fracture of lower end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.609A | Unspecified fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.609B | Unspecified fracture of lower end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.609C | Unspecified fracture of lower end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.611A | Displaced fracture of right ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.611B | Displaced fracture of right ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.611C | Displaced fracture of right ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.612A | Displaced fracture of left ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.612B | Displaced fracture of left ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.612C | Displaced fracture of left ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.613A | Displaced fracture of unspecified ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.613B | Displaced fracture of unspecified ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.613C | Displaced fracture of unspecified ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.614A | Nondisplaced fracture of right ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.614B | Nondisplaced fracture of right ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.614C | Nondisplaced fracture of right ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.615A | Nondisplaced fracture of left ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.615B | Nondisplaced fracture of left ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.615C | Nondisplaced fracture of left ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.616A | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.616B | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.616C | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.621A | Torus fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.622A | Torus fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.629A | Torus fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.691A | Other fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.691B | Other fracture of lower end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.691C | Other fracture of lower end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.692A | Other fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.692B | Other fracture of lower end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.692C | Other fracture of lower end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.699A | Other fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.699B | Other fracture of lower end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.699C | Other fracture of lower end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.90XA | Unspecified fracture of unspecified forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.90XB | Unspecified fracture of unspecified forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.90XC | Unspecified fracture of unspecified forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.91XA | Unspecified fracture of right forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.91XB | Unspecified fracture of right forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.91XC | Unspecified fracture of right forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.92XA | Unspecified fracture of left forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.92XB | Unspecified fracture of left forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.92XC | Unspecified fracture of left forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S59.001A | Unspecified physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.002A | Unspecified physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.009A | Unspecified physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.011A | Salter-Harris Type I physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.012A | Salter-Harris Type I physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.019A | Salter-Harris Type I physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.021A | Salter-Harris Type II physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.022A | Salter-Harris Type II physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.029A | Salter-Harris Type II physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.031A | Salter-Harris Type III physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.032A | Salter-Harris Type III physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.039A | Salter-Harris Type III physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.041A | Salter-Harris Type IV physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.042A | Salter-Harris Type IV physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.049A | Salter-Harris Type IV physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.091A | Other physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.092A | Other physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.099A | Other physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.101A | Unspecified physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.102A | Unspecified physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.109A | Unspecified physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.111A | Salter-Harris Type I physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.112A | Salter-Harris Type I physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.119A | Salter-Harris Type I physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.121A | Salter-Harris Type II physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.122A | Salter-Harris Type II physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.129A | Salter-Harris Type II physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.131A | Salter-Harris Type III physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.132A | Salter-Harris Type III physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.139A | Salter-Harris Type III physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.141A | Salter-Harris Type IV physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.142A | Salter-Harris Type IV physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.149A | Salter-Harris Type IV physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.191A | Other physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.192A | Other physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.199A | Other physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.201A | Unspecified physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.202A | Unspecified physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.209A | Unspecified physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.211A | Salter-Harris Type I physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.212A | Salter-Harris Type I physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.219A | Salter-Harris Type I physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.221A | Salter-Harris Type II physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.222A | Salter-Harris Type II physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.229A | Salter-Harris Type II physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.231A | Salter-Harris Type III physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.232A | Salter-Harris Type III physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.239A | Salter-Harris Type III physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.241A | Salter-Harris Type IV physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.242A | Salter-Harris Type IV physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.249A | Salter-Harris Type IV physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.291A | Other physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.292A | Other physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.299A | Other physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.001A | Unspecified fracture of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.001B | Unspecified fracture of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.002A | Unspecified fracture of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.002B | Unspecified fracture of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.009A | Unspecified fracture of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.009B | Unspecified fracture of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.011A | Displaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.011B | Displaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.012A | Displaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.012B | Displaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.013A | Displaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.013B | Displaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.014A | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.014B | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.015A | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.015B | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.016A | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.016B | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.021A | Displaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.021B | Displaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.022A | Displaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.022B | Displaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.023A | Displaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.023B | Displaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.024A | Nondisplaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.024B | Nondisplaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.025A | Nondisplaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.025B | Nondisplaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.026A | Nondisplaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.026B | Nondisplaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.031A | Displaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.031B | Displaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.032A | Displaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.032B | Displaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.033A | Displaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.033B | Displaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.034A | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.034B | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.035A | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.035B | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.036A | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.036B | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.101A | Fracture of unspecified carpal bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.101B | Fracture of unspecified carpal bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.102A | Fracture of unspecified carpal bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.102B | Fracture of unspecified carpal bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.109A | Fracture of unspecified carpal bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.109B | Fracture of unspecified carpal bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.111A | Displaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.111B | Displaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.112A | Displaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.112B | Displaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.113A | Displaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.113B | Displaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.114A | Nondisplaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.114B | Nondisplaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.115A | Nondisplaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.115B | Nondisplaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.116A | Nondisplaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.116B | Nondisplaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.121A | Displaced fracture of lunate [semilunar], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.121B | Displaced fracture of lunate [semilunar], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.122A | Displaced fracture of lunate [semilunar], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.122B | Displaced fracture of lunate [semilunar], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.123A | Displaced fracture of lunate [semilunar], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.123B | Displaced fracture of lunate [semilunar], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.124A | Nondisplaced fracture of lunate [semilunar], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.124B | Nondisplaced fracture of lunate [semilunar], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.125A | Nondisplaced fracture of lunate [semilunar], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.125B | Nondisplaced fracture of lunate [semilunar], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.126A | Nondisplaced fracture of lunate [semilunar], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.126B | Nondisplaced fracture of lunate [semilunar], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.131A | Displaced fracture of capitate [os magnum] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.131B | Displaced fracture of capitate [os magnum] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.132A | Displaced fracture of capitate [os magnum] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.132B | Displaced fracture of capitate [os magnum] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.133A | Displaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.133B | Displaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.134A | Nondisplaced fracture of capitate [os magnum] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.134B | Nondisplaced fracture of capitate [os magnum] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.135A | Nondisplaced fracture of capitate [os magnum] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.135B | Nondisplaced fracture of capitate [os magnum] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.136A | Nondisplaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.136B | Nondisplaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.141A | Displaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.141B | Displaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.142A | Displaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.142B | Displaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.143A | Displaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.143B | Displaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.144A | Nondisplaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.144B | Nondisplaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.145A | Nondisplaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.145B | Nondisplaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.146A | Nondisplaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.146B | Nondisplaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.151A | Displaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.151B | Displaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.152A | Displaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.152B | Displaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.153A | Displaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.153B | Displaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.154A | Nondisplaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.154B | Nondisplaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.155A | Nondisplaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.155B | Nondisplaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.156A | Nondisplaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.156B | Nondisplaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.161A | Displaced fracture of pisiform, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.161B | Displaced fracture of pisiform, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.162A | Displaced fracture of pisiform, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.162B | Displaced fracture of pisiform, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.163A | Displaced fracture of pisiform, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.163B | Displaced fracture of pisiform, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.164A | Nondisplaced fracture of pisiform, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.164B | Nondisplaced fracture of pisiform, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.165A | Nondisplaced fracture of pisiform, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.165B | Nondisplaced fracture of pisiform, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.166A | Nondisplaced fracture of pisiform, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.166B | Nondisplaced fracture of pisiform, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.171A | Displaced fracture of trapezium [larger multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.171B | Displaced fracture of trapezium [larger multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.172A | Displaced fracture of trapezium [larger multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.172B | Displaced fracture of trapezium [larger multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.173A | Displaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.173B | Displaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.174A | Nondisplaced fracture of trapezium [larger multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.174B | Nondisplaced fracture of trapezium [larger multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.175A | Nondisplaced fracture of trapezium [larger multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.175B | Nondisplaced fracture of trapezium [larger multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.176A | Nondisplaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.176B | Nondisplaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.181A | Displaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.181B | Displaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.182A | Displaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.182B | Displaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.183A | Displaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.183B | Displaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.184A | Nondisplaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.184B | Nondisplaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.185A | Nondisplaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.185B | Nondisplaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.186A | Nondisplaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.186B | Nondisplaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.201A | Unspecified fracture of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.201B | Unspecified fracture of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.202A | Unspecified fracture of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.202B | Unspecified fracture of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.209A | Unspecified fracture of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.209B | Unspecified fracture of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.211A | Bennett's fracture, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.211B | Bennett's fracture, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.212A | Bennett's fracture, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.212B | Bennett's fracture, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.213A | Bennett's fracture, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.213B | Bennett's fracture, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.221A | Displaced Rolando's fracture, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.221B | Displaced Rolando's fracture, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.222A | Displaced Rolando's fracture, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.222B | Displaced Rolando's fracture, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.223A | Displaced Rolando's fracture, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.223B | Displaced Rolando's fracture, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.224A | Nondisplaced Rolando's fracture, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.224B | Nondisplaced Rolando's fracture, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.225A | Nondisplaced Rolando's fracture, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.225B | Nondisplaced Rolando's fracture, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.226A | Nondisplaced Rolando's fracture, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.226B | Nondisplaced Rolando's fracture, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.231A | Other displaced fracture of base of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.231B | Other displaced fracture of base of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.232A | Other displaced fracture of base of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.232B | Other displaced fracture of base of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.233A | Other displaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.233B | Other displaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.234A | Other nondisplaced fracture of base of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.234B | Other nondisplaced fracture of base of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.235A | Other nondisplaced fracture of base of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.235B | Other nondisplaced fracture of base of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.236A | Other nondisplaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.236B | Other nondisplaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.241A | Displaced fracture of shaft of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.241B | Displaced fracture of shaft of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.242A | Displaced fracture of shaft of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.242B | Displaced fracture of shaft of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.243A | Displaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.243B | Displaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.244A | Nondisplaced fracture of shaft of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.244B | Nondisplaced fracture of shaft of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.245A | Nondisplaced fracture of shaft of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.245B | Nondisplaced fracture of shaft of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.246A | Nondisplaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.246B | Nondisplaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.251A | Displaced fracture of neck of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.251B | Displaced fracture of neck of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.252A | Displaced fracture of neck of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.252B | Displaced fracture of neck of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.253A | Displaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.253B | Displaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.254A | Nondisplaced fracture of neck of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.254B | Nondisplaced fracture of neck of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.255A | Nondisplaced fracture of neck of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.255B | Nondisplaced fracture of neck of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.256A | Nondisplaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.256B | Nondisplaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.291A | Other fracture of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.291B | Other fracture of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.292A | Other fracture of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.292B | Other fracture of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.299A | Other fracture of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.299B | Other fracture of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.300A | Unspecified fracture of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.300B | Unspecified fracture of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.301A | Unspecified fracture of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.301B | Unspecified fracture of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.302A | Unspecified fracture of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.302B | Unspecified fracture of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.303A | Unspecified fracture of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.303B | Unspecified fracture of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.304A | Unspecified fracture of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.304B | Unspecified fracture of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.305A | Unspecified fracture of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.305B | Unspecified fracture of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.306A | Unspecified fracture of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.306B | Unspecified fracture of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.307A | Unspecified fracture of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.307B | Unspecified fracture of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.308A | Unspecified fracture of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.308B | Unspecified fracture of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.309A | Unspecified fracture of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.309B | Unspecified fracture of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.310A | Displaced fracture of base of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.310B | Displaced fracture of base of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.311A | Displaced fracture of base of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.311B | Displaced fracture of base of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.312A | Displaced fracture of base of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.312B | Displaced fracture of base of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.313A | Displaced fracture of base of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.313B | Displaced fracture of base of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.314A | Displaced fracture of base of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.314B | Displaced fracture of base of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.315A | Displaced fracture of base of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.315B | Displaced fracture of base of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.316A | Displaced fracture of base of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.316B | Displaced fracture of base of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.317A | Displaced fracture of base of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.317B | Displaced fracture of base of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.318A | Displaced fracture of base of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.318B | Displaced fracture of base of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.319A | Displaced fracture of base of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.319B | Displaced fracture of base of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.320A | Displaced fracture of shaft of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.320B | Displaced fracture of shaft of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.321A | Displaced fracture of shaft of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.321B | Displaced fracture of shaft of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.322A | Displaced fracture of shaft of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.322B | Displaced fracture of shaft of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.323A | Displaced fracture of shaft of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.323B | Displaced fracture of shaft of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.324A | Displaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.324B | Displaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.325A | Displaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.325B | Displaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.326A | Displaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.326B | Displaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.327A | Displaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.327B | Displaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.328A | Displaced fracture of shaft of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.328B | Displaced fracture of shaft of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.329A | Displaced fracture of shaft of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.329B | Displaced fracture of shaft of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.330A | Displaced fracture of neck of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.330B | Displaced fracture of neck of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.331A | Displaced fracture of neck of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.331B | Displaced fracture of neck of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.332A | Displaced fracture of neck of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.332B | Displaced fracture of neck of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.333A | Displaced fracture of neck of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.333B | Displaced fracture of neck of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.334A | Displaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.334B | Displaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.335A | Displaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.335B | Displaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.336A | Displaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.336B | Displaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.337A | Displaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.337B | Displaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.338A | Displaced fracture of neck of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.338B | Displaced fracture of neck of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.339A | Displaced fracture of neck of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.339B | Displaced fracture of neck of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.340A | Nondisplaced fracture of base of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.340B | Nondisplaced fracture of base of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.341A | Nondisplaced fracture of base of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.341B | Nondisplaced fracture of base of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.342A | Nondisplaced fracture of base of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.342B | Nondisplaced fracture of base of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.343A | Nondisplaced fracture of base of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.343B | Nondisplaced fracture of base of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.344A | Nondisplaced fracture of base of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.344B | Nondisplaced fracture of base of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.345A | Nondisplaced fracture of base of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.345B | Nondisplaced fracture of base of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.346A | Nondisplaced fracture of base of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.346B | Nondisplaced fracture of base of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.347A | Nondisplaced fracture of base of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.347B | Nondisplaced fracture of base of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.348A | Nondisplaced fracture of base of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.348B | Nondisplaced fracture of base of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.349A | Nondisplaced fracture of base of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.349B | Nondisplaced fracture of base of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.350A | Nondisplaced fracture of shaft of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.350B | Nondisplaced fracture of shaft of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.351A | Nondisplaced fracture of shaft of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.351B | Nondisplaced fracture of shaft of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.352A | Nondisplaced fracture of shaft of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.352B | Nondisplaced fracture of shaft of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.353A | Nondisplaced fracture of shaft of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.353B | Nondisplaced fracture of shaft of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.354A | Nondisplaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.354B | Nondisplaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.355A | Nondisplaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.355B | Nondisplaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.356A | Nondisplaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.356B | Nondisplaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.357A | Nondisplaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.357B | Nondisplaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.358A | Nondisplaced fracture of shaft of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.358B | Nondisplaced fracture of shaft of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.359A | Nondisplaced fracture of shaft of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.359B | Nondisplaced fracture of shaft of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.360A | Nondisplaced fracture of neck of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.360B | Nondisplaced fracture of neck of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.361A | Nondisplaced fracture of neck of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.361B | Nondisplaced fracture of neck of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.362A | Nondisplaced fracture of neck of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.362B | Nondisplaced fracture of neck of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.363A | Nondisplaced fracture of neck of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.363B | Nondisplaced fracture of neck of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.364A | Nondisplaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.364B | Nondisplaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.365A | Nondisplaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.365B | Nondisplaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.366A | Nondisplaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.366B | Nondisplaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.367A | Nondisplaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.367B | Nondisplaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.368A | Nondisplaced fracture of neck of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.368B | Nondisplaced fracture of neck of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.369A | Nondisplaced fracture of neck of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.369B | Nondisplaced fracture of neck of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.390A | Other fracture of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.390B | Other fracture of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.391A | Other fracture of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.391B | Other fracture of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.392A | Other fracture of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.392B | Other fracture of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.393A | Other fracture of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.393B | Other fracture of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.394A | Other fracture of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.394B | Other fracture of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.395A | Other fracture of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.395B | Other fracture of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.396A | Other fracture of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.396B | Other fracture of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.397A | Other fracture of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.397B | Other fracture of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.398A | Other fracture of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.398B | Other fracture of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.399A | Other fracture of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.399B | Other fracture of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.501A | Fracture of unspecified phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.501B | Fracture of unspecified phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.502A | Fracture of unspecified phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.502B | Fracture of unspecified phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.509A | Fracture of unspecified phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.509B | Fracture of unspecified phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.511A | Displaced fracture of proximal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.511B | Displaced fracture of proximal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.512A | Displaced fracture of proximal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.512B | Displaced fracture of proximal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.513A | Displaced fracture of proximal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.513B | Displaced fracture of proximal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.514A | Nondisplaced fracture of proximal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.514B | Nondisplaced fracture of proximal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.515A | Nondisplaced fracture of proximal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.515B | Nondisplaced fracture of proximal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.516A | Nondisplaced fracture of proximal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.516B | Nondisplaced fracture of proximal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.521A | Displaced fracture of distal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.521B | Displaced fracture of distal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.522A | Displaced fracture of distal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.522B | Displaced fracture of distal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.523A | Displaced fracture of distal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.523B | Displaced fracture of distal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.524A | Nondisplaced fracture of distal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.524B | Nondisplaced fracture of distal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.525A | Nondisplaced fracture of distal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.525B | Nondisplaced fracture of distal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.526A | Nondisplaced fracture of distal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.526B | Nondisplaced fracture of distal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.600A | Fracture of unspecified phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.600B | Fracture of unspecified phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.601A | Fracture of unspecified phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.601B | Fracture of unspecified phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.602A | Fracture of unspecified phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.602B | Fracture of unspecified phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.603A | Fracture of unspecified phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.603B | Fracture of unspecified phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.604A | Fracture of unspecified phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.604B | Fracture of unspecified phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.605A | Fracture of unspecified phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.605B | Fracture of unspecified phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.606A | Fracture of unspecified phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.606B | Fracture of unspecified phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.607A | Fracture of unspecified phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.607B | Fracture of unspecified phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.608A | Fracture of unspecified phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.608B | Fracture of unspecified phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.609A | Fracture of unspecified phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.609B | Fracture of unspecified phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.610A | Displaced fracture of proximal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.610B | Displaced fracture of proximal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.611A | Displaced fracture of proximal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.611B | Displaced fracture of proximal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.612A | Displaced fracture of proximal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.612B | Displaced fracture of proximal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.613A | Displaced fracture of proximal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.613B | Displaced fracture of proximal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.614A | Displaced fracture of proximal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.614B | Displaced fracture of proximal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.615A | Displaced fracture of proximal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.615B | Displaced fracture of proximal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.616A | Displaced fracture of proximal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.616B | Displaced fracture of proximal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.617A | Displaced fracture of proximal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.617B | Displaced fracture of proximal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.618A | Displaced fracture of proximal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.618B | Displaced fracture of proximal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.619A | Displaced fracture of proximal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.619B | Displaced fracture of proximal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.620A | Displaced fracture of middle phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.620B | Displaced fracture of middle phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.621A | Displaced fracture of middle phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.621B | Displaced fracture of middle phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.622A | Displaced fracture of middle phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.622B | Displaced fracture of middle phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.623A | Displaced fracture of middle phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.623B | Displaced fracture of middle phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.624A | Displaced fracture of middle phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.624B | Displaced fracture of middle phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.625A | Displaced fracture of middle phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.625B | Displaced fracture of middle phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.626A | Displaced fracture of medial phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.626B | Displaced fracture of medial phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.627A | Displaced fracture of medial phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.627B | Displaced fracture of medial phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.628A | Displaced fracture of medial phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.628B | Displaced fracture of medial phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.629A | Displaced fracture of medial phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.629B | Displaced fracture of medial phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.630A | Displaced fracture of distal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.630B | Displaced fracture of distal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.631A | Displaced fracture of distal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.631B | Displaced fracture of distal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.632A | Displaced fracture of distal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.632B | Displaced fracture of distal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.633A | Displaced fracture of distal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.633B | Displaced fracture of distal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.634A | Displaced fracture of distal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.634B | Displaced fracture of distal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.635A | Displaced fracture of distal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.635B | Displaced fracture of distal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.636A | Displaced fracture of distal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.636B | Displaced fracture of distal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.637A | Displaced fracture of distal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.637B | Displaced fracture of distal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.638A | Displaced fracture of distal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.638B | Displaced fracture of distal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.639A | Displaced fracture of distal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.639B | Displaced fracture of distal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.640A | Nondisplaced fracture of proximal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.640B | Nondisplaced fracture of proximal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.641A | Nondisplaced fracture of proximal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.641B | Nondisplaced fracture of proximal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.642A | Nondisplaced fracture of proximal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.642B | Nondisplaced fracture of proximal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.643A | Nondisplaced fracture of proximal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.643B | Nondisplaced fracture of proximal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.644A | Nondisplaced fracture of proximal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.644B | Nondisplaced fracture of proximal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.645A | Nondisplaced fracture of proximal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.645B | Nondisplaced fracture of proximal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.646A | Nondisplaced fracture of proximal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.646B | Nondisplaced fracture of proximal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.647A | Nondisplaced fracture of proximal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.647B | Nondisplaced fracture of proximal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.648A | Nondisplaced fracture of proximal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.648B | Nondisplaced fracture of proximal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.649A | Nondisplaced fracture of proximal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.649B | Nondisplaced fracture of proximal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.650A | Nondisplaced fracture of middle phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.650B | Nondisplaced fracture of middle phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.651A | Nondisplaced fracture of middle phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.651B | Nondisplaced fracture of middle phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.652A | Nondisplaced fracture of middle phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.652B | Nondisplaced fracture of middle phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.653A | Nondisplaced fracture of middle phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.653B | Nondisplaced fracture of middle phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.654A | Nondisplaced fracture of medial phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.654B | Nondisplaced fracture of medial phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.655A | Nondisplaced fracture of medial phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.655B | Nondisplaced fracture of medial phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.656A | Nondisplaced fracture of medial phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.656B | Nondisplaced fracture of medial phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.657A | Nondisplaced fracture of medial phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.657B | Nondisplaced fracture of medial phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.658A | Nondisplaced fracture of medial phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.658B | Nondisplaced fracture of medial phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.659A | Nondisplaced fracture of medial phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.659B | Nondisplaced fracture of medial phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.660A | Nondisplaced fracture of distal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.660B | Nondisplaced fracture of distal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.661A | Nondisplaced fracture of distal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.661B | Nondisplaced fracture of distal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.662A | Nondisplaced fracture of distal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.662B | Nondisplaced fracture of distal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.663A | Nondisplaced fracture of distal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.663B | Nondisplaced fracture of distal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.664A | Nondisplaced fracture of distal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.664B | Nondisplaced fracture of distal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.665A | Nondisplaced fracture of distal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.665B | Nondisplaced fracture of distal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.666A | Nondisplaced fracture of distal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.666B | Nondisplaced fracture of distal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.667A | Nondisplaced fracture of distal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.667B | Nondisplaced fracture of distal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.668A | Nondisplaced fracture of distal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.668B | Nondisplaced fracture of distal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.669A | Nondisplaced fracture of distal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.669B | Nondisplaced fracture of distal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.90XA | Unspecified fracture of unspecified wrist and hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.90XB | Unspecified fracture of unspecified wrist and hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.91XA | Unspecified fracture of right wrist and hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.91XB | Unspecified fracture of right wrist and hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.92XA | Unspecified fracture of left wrist and hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.92XB | Unspecified fracture of left wrist and hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S72.001A | Fracture of unspecified part of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.001B | Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.001C | Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.002A | Fracture of unspecified part of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.002B | Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.002C | Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.009A | Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.009B | Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.009C | Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.011A | Unspecified intracapsular fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.011B | Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.011C | Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.012A | Unspecified intracapsular fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.012B | Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.012C | Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.019A | Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.019B | Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.019C | Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.021A | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.021B | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.021C | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.022A | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.022B | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.022C | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.023A | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.023B | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.023C | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.024A | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.024B | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.024C | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.025A | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.025B | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.025C | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.026A | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.026B | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.026C | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.031A | Displaced midcervical fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.031B | Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.031C | Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.032A | Displaced midcervical fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.032B | Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.032C | Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.033A | Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.033B | Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.033C | Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.034A | Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.034B | Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.034C | Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.035A | Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.035B | Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.035C | Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.036A | Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.036B | Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.036C | Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.041A | Displaced fracture of base of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.041B | Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.041C | Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.042A | Displaced fracture of base of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.042B | Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.042C | Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.043A | Displaced fracture of base of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.043B | Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.043C | Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.044A | Nondisplaced fracture of base of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.044B | Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.044C | Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.045A | Nondisplaced fracture of base of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.045B | Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.045C | Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.046A | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.046B | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.046C | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.051A | Unspecified fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.051B | Unspecified fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.051C | Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.052A | Unspecified fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.052B | Unspecified fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.052C | Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.059A | Unspecified fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.059B | Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.059C | Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.061A | Displaced articular fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.061B | Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.061C | Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.062A | Displaced articular fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.062B | Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.062C | Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.063A | Displaced articular fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.063B | Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.063C | Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.064A | Nondisplaced articular fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.064B | Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.064C | Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.065A | Nondisplaced articular fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.065B | Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.065C | Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.066A | Nondisplaced articular fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.066B | Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.066C | Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.091A | Other fracture of head and neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.091B | Other fracture of head and neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.091C | Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.092A | Other fracture of head and neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.092B | Other fracture of head and neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.092C | Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.099A | Other fracture of head and neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.099B | Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.099C | Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.101A | Unspecified trochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.101B | Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.101C | Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.102A | Unspecified trochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.102B | Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.102C | Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.109A | Unspecified trochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.109B | Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.109C | Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.111A | Displaced fracture of greater trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.111B | Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.111C | Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.112A | Displaced fracture of greater trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.112B | Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.112C | Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.113A | Displaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.113B | Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.113C | Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.114A | Nondisplaced fracture of greater trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.114B | Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.114C | Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.115A | Nondisplaced fracture of greater trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.115B | Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.115C | Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.116A | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.116B | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.116C | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.121A | Displaced fracture of lesser trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.121B | Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.121C | Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.122A | Displaced fracture of lesser trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.122B | Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.122C | Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.123A | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.123B | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.123C | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.124A | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.124B | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.124C | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.125A | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.125B | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.125C | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.126A | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.126B | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.126C | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.131A | Displaced apophyseal fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.131B | Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.131C | Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.132A | Displaced apophyseal fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.132B | Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.132C | Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.133A | Displaced apophyseal fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.133B | Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.133C | Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.134A | Nondisplaced apophyseal fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.134B | Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.134C | Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.135A | Nondisplaced apophyseal fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.135B | Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.135C | Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.136A | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.136B | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.136C | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.141A | Displaced intertrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.141B | Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.141C | Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.142A | Displaced intertrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.142B | Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.142C | Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.143A | Displaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.143B | Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.143C | Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.144A | Nondisplaced intertrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.144B | Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.144C | Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.145A | Nondisplaced intertrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.145B | Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.145C | Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.146A | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.146B | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.146C | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.21XA | Displaced subtrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.21XB | Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.21XC | Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.22XA | Displaced subtrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.22XB | Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.22XC | Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.23XA | Displaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.23XB | Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.23XC | Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.24XA | Nondisplaced subtrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.24XB | Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.24XC | Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.25XA | Nondisplaced subtrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.25XB | Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.25XC | Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.26XA | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.26XB | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.26XC | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.301A | Unspecified fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.301B | Unspecified fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.301C | Unspecified fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.302A | Unspecified fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.302B | Unspecified fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.302C | Unspecified fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.309A | Unspecified fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.309B | Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.309C | Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.321A | Displaced transverse fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.321B | Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.321C | Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.322A | Displaced transverse fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.322B | Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.322C | Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.323A | Displaced transverse fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.323B | Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.323C | Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.324A | Nondisplaced transverse fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.324B | Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.324C | Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.325A | Nondisplaced transverse fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.325B | Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.325C | Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.326A | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.326B | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.326C | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.331A | Displaced oblique fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.331B | Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.331C | Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.332A | Displaced oblique fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.332B | Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.332C | Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.333A | Displaced oblique fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.333B | Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.333C | Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.334A | Nondisplaced oblique fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.334B | Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.334C | Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.335A | Nondisplaced oblique fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.335B | Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.335C | Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.336A | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.336B | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.336C | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.341A | Displaced spiral fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.341B | Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.341C | Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.342A | Displaced spiral fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.342B | Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.342C | Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.343A | Displaced spiral fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.343B | Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.343C | Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.344A | Nondisplaced spiral fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.344B | Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.344C | Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.345A | Nondisplaced spiral fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.345B | Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.345C | Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.346A | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.346B | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.346C | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.351A | Displaced comminuted fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.351B | Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.351C | Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.352A | Displaced comminuted fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.352B | Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.352C | Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.353A | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.353B | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.353C | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.354A | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.354B | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.354C | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.355A | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.355B | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.355C | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.356A | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.356B | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.356C | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.361A | Displaced segmental fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.361B | Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.361C | Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.362A | Displaced segmental fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.362B | Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.362C | Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.363A | Displaced segmental fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.363B | Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.363C | Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.364A | Nondisplaced segmental fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.364B | Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.364C | Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.365A | Nondisplaced segmental fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.365B | Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.365C | Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.366A | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.366B | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.366C | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.391A | Other fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.391B | Other fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.391C | Other fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.392A | Other fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.392B | Other fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.392C | Other fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.399A | Other fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.399B | Other fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.399C | Other fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.401A | Unspecified fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.401B | Unspecified fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.401C | Unspecified fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.402A | Unspecified fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.402B | Unspecified fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.402C | Unspecified fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.409A | Unspecified fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.409B | Unspecified fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.409C | Unspecified fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.411A | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.411B | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.411C | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.412A | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.412B | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.412C | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.413A | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.413B | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.413C | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.414A | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.414B | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.414C | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.415A | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.415B | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.415C | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.416A | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.416B | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.416C | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.421A | Displaced fracture of lateral condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.421B | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.421C | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.422A | Displaced fracture of lateral condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.422B | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.422C | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.423A | Displaced fracture of lateral condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.423B | Displaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.423C | Displaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.424A | Nondisplaced fracture of lateral condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.424B | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.424C | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.425A | Nondisplaced fracture of lateral condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.425B | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.425C | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.426A | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.426B | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.426C | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.431A | Displaced fracture of medial condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.431B | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.431C | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.432A | Displaced fracture of medial condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.432B | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.432C | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.433A | Displaced fracture of medial condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.433B | Displaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.433C | Displaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.434A | Nondisplaced fracture of medial condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.434B | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.434C | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.435A | Nondisplaced fracture of medial condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.435B | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.435C | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.436A | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.436B | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.436C | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.441A | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.441B | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.441C | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.442A | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.442B | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.442C | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.443A | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.443B | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.443C | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.444A | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.444B | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.444C | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.445A | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.445B | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.445C | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.446A | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.446B | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.446C | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.451A | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.451B | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.451C | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.452A | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.452B | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.452C | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.453A | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.453B | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.453C | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.454A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.454B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.454C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.455A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.455B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.455C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.456A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.456B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.456C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.461A | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.461B | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.461C | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.462A | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.462B | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.462C | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.463A | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.463B | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.463C | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.464A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.464B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.464C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.465A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.465B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.465C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.466A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.466B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.466C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.471A | Torus fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.472A | Torus fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.479A | Torus fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.491A | Other fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.491B | Other fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.491C | Other fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.492A | Other fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.492B | Other fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.492C | Other fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.499A | Other fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.499B | Other fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.499C | Other fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.8X1A | Other fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X1B | Other fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X1C | Other fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X2A | Other fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X2B | Other fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X2C | Other fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X9A | Other fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X9B | Other fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X9C | Other fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.90XA | Unspecified fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.90XB | Unspecified fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.90XC | Unspecified fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.90XE | Unspecified fracture of unspecified femur, subsequent encounter for open fracture type I or II with routine healing | Diagnosis | ICD-10-CM |
| S72.91XA | Unspecified fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.91XB | Unspecified fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.91XC | Unspecified fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.91XE | Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with routine healing | Diagnosis | ICD-10-CM |
| S72.92XA | Unspecified fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.92XB | Unspecified fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.92XC | Unspecified fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.92XE | Unspecified fracture of left femur, subsequent encounter for open fracture type I or II with routine healing | Diagnosis | ICD-10-CM |
| S79.001A | Unspecified physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.002A | Unspecified physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.009A | Unspecified physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.011A | Salter-Harris Type I physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S79.012A | Salter-Harris Type I physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.019A | Salter-Harris Type I physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.091A | Other physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.092A | Other physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.099A | Other physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.101A | Unspecified physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.102A | Unspecified physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.109A | Unspecified physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.111A | Salter-Harris Type I physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.112A | Salter-Harris Type I physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.119A | Salter-Harris Type I physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.121A | Salter-Harris Type II physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.122A | Salter-Harris Type II physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.129A | Salter-Harris Type II physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.131A | Salter-Harris Type III physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.132A | Salter-Harris Type III physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.139A | Salter-Harris Type III physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.141A | Salter-Harris Type IV physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.142A | Salter-Harris Type IV physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.149A | Salter-Harris Type IV physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S79.191A | Other physal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.192A | Other physal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.199A | Other physal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.001A | Unspecified fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.001B | Unspecified fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.001C | Unspecified fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.002A | Unspecified fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.002B | Unspecified fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.002C | Unspecified fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.009A | Unspecified fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.009B | Unspecified fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.009C | Unspecified fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.011A | Displaced osteochondral fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.011B | Displaced osteochondral fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.011C | Displaced osteochondral fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.012A | Displaced osteochondral fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.012B | Displaced osteochondral fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.012C | Displaced osteochondral fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.013A | Displaced osteochondral fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.013B | Displaced osteochondral fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.013C | Displaced osteochondral fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.014A | Nondisplaced osteochondral fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.014B | Nondisplaced osteochondral fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.014C | Nondisplaced osteochondral fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.015A | Nondisplaced osteochondral fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.015B | Nondisplaced osteochondral fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.015C | Nondisplaced osteochondral fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.016A | Nondisplaced osteochondral fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.016B | Nondisplaced osteochondral fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.016C | Nondisplaced osteochondral fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.021A | Displaced longitudinal fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.021B | Displaced longitudinal fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.021C | Displaced longitudinal fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.022A | Displaced longitudinal fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.022B | Displaced longitudinal fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.022C | Displaced longitudinal fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.023A | Displaced longitudinal fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.023B | Displaced longitudinal fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.023C | Displaced longitudinal fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.024A | Nondisplaced longitudinal fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.024B | Nondisplaced longitudinal fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.024C | Nondisplaced longitudinal fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.025A | Nondisplaced longitudinal fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.025B | Nondisplaced longitudinal fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.025C | Nondisplaced longitudinal fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.026A | Nondisplaced longitudinal fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.026B | Nondisplaced longitudinal fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.026C | Nondisplaced longitudinal fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.031A | Displaced transverse fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.031B | Displaced transverse fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.031C | Displaced transverse fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.032A | Displaced transverse fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.032B | Displaced transverse fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.032C | Displaced transverse fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.033A | Displaced transverse fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.033B | Displaced transverse fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.033C | Displaced transverse fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.034A | Nondisplaced transverse fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.034B | Nondisplaced transverse fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.034C | Nondisplaced transverse fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.035A | Nondisplaced transverse fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.035B | Nondisplaced transverse fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.035C | Nondisplaced transverse fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.036A | Nondisplaced transverse fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.036B | Nondisplaced transverse fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.036C | Nondisplaced transverse fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.041A | Displaced comminuted fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.041B | Displaced comminuted fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.041C | Displaced comminuted fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.042A | Displaced comminuted fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.042B | Displaced comminuted fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.042C | Displaced comminuted fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.043A | Displaced comminuted fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.043B | Displaced comminuted fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.043C | Displaced comminuted fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.044A | Nondisplaced comminuted fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.044B | Nondisplaced comminuted fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.044C | Nondisplaced comminuted fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.045A | Nondisplaced comminuted fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.045B | Nondisplaced comminuted fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.045C | Nondisplaced comminuted fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.046A | Nondisplaced comminuted fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.046B | Nondisplaced comminuted fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.046C | Nondisplaced comminuted fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.091A | Other fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.091B | Other fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.091C | Other fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.092A | Other fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.092B | Other fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.092C | Other fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.099A | Other fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.099B | Other fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.099C | Other fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.101A | Unspecified fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.101B | Unspecified fracture of upper end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.101C | Unspecified fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.102A | Unspecified fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.102B | Unspecified fracture of upper end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.102C | Unspecified fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.109A | Unspecified fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.109B | Unspecified fracture of upper end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.109C | Unspecified fracture of upper end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.111A | Displaced fracture of right tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.111B | Displaced fracture of right tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.111C | Displaced fracture of right tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.112A | Displaced fracture of left tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.112B | Displaced fracture of left tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.112C | Displaced fracture of left tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.113A | Displaced fracture of unspecified tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.113B | Displaced fracture of unspecified tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.113C | Displaced fracture of unspecified tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.114A | Nondisplaced fracture of right tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.114B | Nondisplaced fracture of right tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.114C | Nondisplaced fracture of right tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.115A | Nondisplaced fracture of left tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.115B | Nondisplaced fracture of left tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.115C | Nondisplaced fracture of left tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.116A | Nondisplaced fracture of unspecified tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.116B | Nondisplaced fracture of unspecified tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.116C | Nondisplaced fracture of unspecified tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.121A | Displaced fracture of lateral condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.121B | Displaced fracture of lateral condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.121C | Displaced fracture of lateral condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.122A | Displaced fracture of lateral condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.122B | Displaced fracture of lateral condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.122C | Displaced fracture of lateral condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.123A | Displaced fracture of lateral condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.123B | Displaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.123C | Displaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.124A | Nondisplaced fracture of lateral condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.124B | Nondisplaced fracture of lateral condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.124C | Nondisplaced fracture of lateral condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.125A | Nondisplaced fracture of lateral condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.125B | Nondisplaced fracture of lateral condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.125C | Nondisplaced fracture of lateral condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.126A | Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.126B | Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.126C | Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.131A | Displaced fracture of medial condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.131B | Displaced fracture of medial condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.131C | Displaced fracture of medial condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.132A | Displaced fracture of medial condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.132B | Displaced fracture of medial condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.132C | Displaced fracture of medial condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.133A | Displaced fracture of medial condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.133B | Displaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.133C | Displaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.134A | Nondisplaced fracture of medial condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.134B | Nondisplaced fracture of medial condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.134C | Nondisplaced fracture of medial condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.135A | Nondisplaced fracture of medial condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.135B | Nondisplaced fracture of medial condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.135C | Nondisplaced fracture of medial condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.136A | Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.136B | Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.136C | Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.141A | Displaced bicondylar fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.141B | Displaced bicondylar fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.141C | Displaced bicondylar fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.142A | Displaced bicondylar fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.142B | Displaced bicondylar fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.142C | Displaced bicondylar fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.143A | Displaced bicondylar fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.143B | Displaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.143C | Displaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.144A | Nondisplaced bicondylar fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.144B | Nondisplaced bicondylar fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.144C | Nondisplaced bicondylar fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.145A | Nondisplaced bicondylar fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.145B | Nondisplaced bicondylar fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.145C | Nondisplaced bicondylar fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.146A | Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.146B | Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.146C | Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.151A | Displaced fracture of right tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.151B | Displaced fracture of right tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.151C | Displaced fracture of right tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.152A | Displaced fracture of left tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.152B | Displaced fracture of left tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.152C | Displaced fracture of left tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.153A | Displaced fracture of unspecified tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.153B | Displaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.153C | Displaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.154A | Nondisplaced fracture of right tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.154B | Nondisplaced fracture of right tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.154C | Nondisplaced fracture of right tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.155A | Nondisplaced fracture of left tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.155B | Nondisplaced fracture of left tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.155C | Nondisplaced fracture of left tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.156A | Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.156B | Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.156C | Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.161A | Torus fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.162A | Torus fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.169A | Torus fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.191A | Other fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.191B | Other fracture of upper end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.191C | Other fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.192A | Other fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.192B | Other fracture of upper end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.192C | Other fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.199A | Other fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.199B | Other fracture of upper end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.199C | Other fracture of upper end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.201A | Unspecified fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.201B | Unspecified fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.201C | Unspecified fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.202A | Unspecified fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.202B | Unspecified fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.202C | Unspecified fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.209A | Unspecified fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.209B | Unspecified fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.209C | Unspecified fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.221A | Displaced transverse fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.221B | Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.221C | Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.222A | Displaced transverse fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.222B | Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.222C | Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.223A | Displaced transverse fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.223B | Displaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.223C | Displaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.224A | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.224B | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.224C | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.225A | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.225B | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.225C | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.226A | Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.226B | Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.226C | Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.231A | Displaced oblique fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.231B | Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.231C | Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.232A | Displaced oblique fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.232B | Displaced oblique fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.232C | Displaced oblique fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.233A | Displaced oblique fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.233B | Displaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.233C | Displaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.234A | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.234B | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.234C | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.235A | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.235B | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.235C | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.236A | Nondisplaced oblique fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.236B | Nondisplaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.236C | Nondisplaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.241A | Displaced spiral fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.241B | Displaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.241C | Displaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.242A | Displaced spiral fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.242B | Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.242C | Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.243A | Displaced spiral fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.243B | Displaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.243C | Displaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.244A | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.244B | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.244C | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.245A | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.245B | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.245C | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.246A | Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.246B | Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.246C | Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.251A | Displaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.251B | Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.251C | Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.252A | Displaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.252B | Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.252C | Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.253A | Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.253B | Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.253C | Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.254A | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.254B | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.254C | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.255A | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.255B | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.255C | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.256A | Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.256B | Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.256C | Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.261A | Displaced segmental fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.261B | Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.261C | Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.262A | Displaced segmental fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.262B | Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.262C | Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.263A | Displaced segmental fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.263B | Displaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.263C | Displaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.264A | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.264B | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.264C | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.265A | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.265B | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.265C | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.266A | Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.266B | Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.266C | Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.291A | Other fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.291B | Other fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.291C | Other fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.292A | Other fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.292B | Other fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.292C | Other fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.299A | Other fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.299B | Other fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.299C | Other fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.301A | Unspecified fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.301B | Unspecified fracture of lower end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.301C | Unspecified fracture of lower end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.302A | Unspecified fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.302B | Unspecified fracture of lower end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.302C | Unspecified fracture of lower end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.309A | Unspecified fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.309B | Unspecified fracture of lower end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.309C | Unspecified fracture of lower end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.311A | Torus fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.312A | Torus fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.319A | Torus fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.391A | Other fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.391B | Other fracture of lower end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.391C | Other fracture of lower end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.392A | Other fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.392B | Other fracture of lower end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.392C | Other fracture of lower end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.399A | Other fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.399B | Other fracture of lower end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.399C | Other fracture of lower end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.401A | Unspecified fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.401B | Unspecified fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.401C | Unspecified fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.402A | Unspecified fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.402B | Unspecified fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.402C | Unspecified fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.409A | Unspecified fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.409B | Unspecified fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.409C | Unspecified fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.421A | Displaced transverse fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.421B | Displaced transverse fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.421C | Displaced transverse fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.422A | Displaced transverse fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.422B | Displaced transverse fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.422C | Displaced transverse fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.423A | Displaced transverse fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.423B | Displaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.423C | Displaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.424A | Nondisplaced transverse fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.424B | Nondisplaced transverse fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.424C | Nondisplaced transverse fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.425A | Nondisplaced transverse fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.425B | Nondisplaced transverse fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.425C | Nondisplaced transverse fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.426A | Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.426B | Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.426C | Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.431A | Displaced oblique fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.431B | Displaced oblique fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.431C | Displaced oblique fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.432A | Displaced oblique fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.432B | Displaced oblique fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.432C | Displaced oblique fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.433A | Displaced oblique fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.433B | Displaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.433C | Displaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.434A | Nondisplaced oblique fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.434B | Nondisplaced oblique fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.434C | Nondisplaced oblique fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.435A | Nondisplaced oblique fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.435B | Nondisplaced oblique fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.435C | Nondisplaced oblique fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.436A | Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.436B | Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.436C | Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.441A | Displaced spiral fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.441B | Displaced spiral fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.441C | Displaced spiral fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.442A | Displaced spiral fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.442B | Displaced spiral fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.442C | Displaced spiral fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.443A | Displaced spiral fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.443B | Displaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.443C | Displaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.444A | Nondisplaced spiral fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.444B | Nondisplaced spiral fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.444C | Nondisplaced spiral fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.445A | Nondisplaced spiral fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.445B | Nondisplaced spiral fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.445C | Nondisplaced spiral fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.446A | Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.446B | Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.446C | Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.451A | Displaced comminuted fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.451B | Displaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.451C | Displaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.452A | Displaced comminuted fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.452B | Displaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.452C | Displaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.453A | Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.453B | Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.453C | Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.454A | Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.454B | Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.454C | Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.455A | Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.455B | Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.455C | Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.456A | Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.456B | Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.456C | Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.461A | Displaced segmental fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.461B | Displaced segmental fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.461C | Displaced segmental fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.462A | Displaced segmental fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.462B | Displaced segmental fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.462C | Displaced segmental fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.463A | Displaced segmental fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.463B | Displaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.463C | Displaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.464A | Nondisplaced segmental fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.464B | Nondisplaced segmental fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.464C | Nondisplaced segmental fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.465A | Nondisplaced segmental fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.465B | Nondisplaced segmental fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.465C | Nondisplaced segmental fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.466A | Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.466B | Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.466C | Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.491A | Other fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.491B | Other fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.491C | Other fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.492A | Other fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.492B | Other fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.492C | Other fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.499A | Other fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.499B | Other fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.499C | Other fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.51XA | Displaced fracture of medial malleolus of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.51XB | Displaced fracture of medial malleolus of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.51XC | Displaced fracture of medial malleolus of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.52XA | Displaced fracture of medial malleolus of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.52XB | Displaced fracture of medial malleolus of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.52XC | Displaced fracture of medial malleolus of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.53XA | Displaced fracture of medial malleolus of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.53XB | Displaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.53XC | Displaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.54XA | Nondisplaced fracture of medial malleolus of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.54XB | Nondisplaced fracture of medial malleolus of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.54XC | Nondisplaced fracture of medial malleolus of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.55XA | Nondisplaced fracture of medial malleolus of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.55XB | Nondisplaced fracture of medial malleolus of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.55XC | Nondisplaced fracture of medial malleolus of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.56XA | Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.56XB | Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.56XC | Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.61XA | Displaced fracture of lateral malleolus of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.61XB | Displaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.61XC | Displaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.62XA | Displaced fracture of lateral malleolus of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.62XB | Displaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.62XC | Displaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.63XA | Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.63XB | Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.63XC | Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.64XA | Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.64XB | Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.64XC | Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.65XA | Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.65XB | Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.65XC | Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.66XA | Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.66XB | Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.66XC | Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.811A | Torus fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.812A | Torus fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.819A | Torus fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.821A | Torus fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.822A | Torus fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.829A | Torus fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.831A | Other fracture of upper and lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.831B | Other fracture of upper and lower end of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.831C | Other fracture of upper and lower end of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.832A | Other fracture of upper and lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.832B | Other fracture of upper and lower end of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.832C | Other fracture of upper and lower end of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.839A | Other fracture of upper and lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.839B | Other fracture of upper and lower end of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.839C | Other fracture of upper and lower end of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.841A | Displaced bimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.841B | Displaced bimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.841C | Displaced bimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.842A | Displaced bimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.842B | Displaced bimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.842C | Displaced bimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.843A | Displaced bimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.843B | Displaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.843C | Displaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.844A | Nondisplaced bimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.844B | Nondisplaced bimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.844C | Nondisplaced bimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.845A | Nondisplaced bimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.845B | Nondisplaced bimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.845C | Nondisplaced bimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.846A | Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.846B | Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.846C | Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.851A | Displaced trimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.851B | Displaced trimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.851C | Displaced trimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.852A | Displaced trimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.852B | Displaced trimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.852C | Displaced trimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.853A | Displaced trimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.853B | Displaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.853C | Displaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.854A | Nondisplaced trimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.854B | Nondisplaced trimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.854C | Nondisplaced trimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.855A | Nondisplaced trimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.855B | Nondisplaced trimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.855C | Nondisplaced trimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.856A | Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.856B | Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.856C | Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.861A | Displaced Maisonneuve's fracture of right leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.861B | Displaced Maisonneuve's fracture of right leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.861C | Displaced Maisonneuve's fracture of right leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.862A | Displaced Maisonneuve's fracture of left leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.862B | Displaced Maisonneuve's fracture of left leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.862C | Displaced Maisonneuve's fracture of left leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.863A | Displaced Maisonneuve's fracture of unspecified leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.863B | Displaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.863C | Displaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.864A | Nondisplaced Maisonneuve's fracture of right leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.864B | Nondisplaced Maisonneuve's fracture of right leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.864C | Nondisplaced Maisonneuve's fracture of right leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.865A | Nondisplaced Maisonneuve's fracture of left leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.865B | Nondisplaced Maisonneuve's fracture of left leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.865C | Nondisplaced Maisonneuve's fracture of left leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.866A | Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.866B | Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.866C | Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.871A | Displaced pilon fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.871B | Displaced pilon fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.871C | Displaced pilon fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.872A | Displaced pilon fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.872B | Displaced pilon fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.872C | Displaced pilon fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.873A | Displaced pilon fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.873B | Displaced pilon fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.873C | Displaced pilon fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.874A | Nondisplaced pilon fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.874B | Nondisplaced pilon fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.874C | Nondisplaced pilon fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.875A | Nondisplaced pilon fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.875B | Nondisplaced pilon fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.875C | Nondisplaced pilon fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.876A | Nondisplaced pilon fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.876B | Nondisplaced pilon fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.876C | Nondisplaced pilon fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.891A | Other fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.891B | Other fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.891C | Other fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.892A | Other fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.892B | Other fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.892C | Other fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.899A | Other fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.899B | Other fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.899C | Other fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.90XA | Unspecified fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.90XB | Unspecified fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.90XC | Unspecified fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.91XA | Unspecified fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.91XB | Unspecified fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.91XC | Unspecified fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.92XA | Unspecified fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.92XB | Unspecified fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.92XC | Unspecified fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S89.001A | Unspecified physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.002A | Unspecified physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.009A | Unspecified physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.011A | Salter-Harris Type I physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.012A | Salter-Harris Type I physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.019A | Salter-Harris Type I physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.021A | Salter-Harris Type II physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.022A | Salter-Harris Type II physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.029A | Salter-Harris Type II physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S89.031A | Salter-Harris Type III physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.032A | Salter-Harris Type III physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.039A | Salter-Harris Type III physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.041A | Salter-Harris Type IV physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.042A | Salter-Harris Type IV physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.049A | Salter-Harris Type IV physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.091A | Other physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.092A | Other physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.099A | Other physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.101A | Unspecified physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.102A | Unspecified physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.109A | Unspecified physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.111A | Salter-Harris Type I physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.112A | Salter-Harris Type I physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.119A | Salter-Harris Type I physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.121A | Salter-Harris Type II physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.122A | Salter-Harris Type II physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.129A | Salter-Harris Type II physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.131A | Salter-Harris Type III physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.132A | Salter-Harris Type III physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S89.139A | Salter-Harris Type III physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.141A | Salter-Harris Type IV physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.142A | Salter-Harris Type IV physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.149A | Salter-Harris Type IV physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.191A | Other physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.192A | Other physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.199A | Other physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.201A | Unspecified physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.202A | Unspecified physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.209A | Unspecified physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.211A | Salter-Harris Type I physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.212A | Salter-Harris Type I physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.219A | Salter-Harris Type I physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.221A | Salter-Harris Type II physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.222A | Salter-Harris Type II physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.229A | Salter-Harris Type II physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.291A | Other physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.292A | Other physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.299A | Other physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.301A | Unspecified physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S89.302A | Unspecified physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.309A | Unspecified physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.311A | Salter-Harris Type I physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.312A | Salter-Harris Type I physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.319A | Salter-Harris Type I physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.321A | Salter-Harris Type II physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.322A | Salter-Harris Type II physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.329A | Salter-Harris Type II physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.391A | Other physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.392A | Other physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.399A | Other physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.001A | Unspecified fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.001B | Unspecified fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.002A | Unspecified fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.002B | Unspecified fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.009A | Unspecified fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.009B | Unspecified fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.011A | Displaced fracture of body of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.011B | Displaced fracture of body of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.012A | Displaced fracture of body of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.012B | Displaced fracture of body of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.013A | Displaced fracture of body of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.013B | Displaced fracture of body of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.014A | Nondisplaced fracture of body of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.014B | Nondisplaced fracture of body of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.015A | Nondisplaced fracture of body of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.015B | Nondisplaced fracture of body of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.016A | Nondisplaced fracture of body of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.016B | Nondisplaced fracture of body of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.021A | Displaced fracture of anterior process of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.021B | Displaced fracture of anterior process of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.022A | Displaced fracture of anterior process of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.022B | Displaced fracture of anterior process of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.023A | Displaced fracture of anterior process of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.023B | Displaced fracture of anterior process of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.024A | Nondisplaced fracture of anterior process of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.024B | Nondisplaced fracture of anterior process of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.025A | Nondisplaced fracture of anterior process of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.025B | Nondisplaced fracture of anterior process of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.026A | Nondisplaced fracture of anterior process of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.026B | Nondisplaced fracture of anterior process of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.031A | Displaced avulsion fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.031B | Displaced avulsion fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.032A | Displaced avulsion fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.032B | Displaced avulsion fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.033A | Displaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.033B | Displaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.034A | Nondisplaced avulsion fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.034B | Nondisplaced avulsion fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.035A | Nondisplaced avulsion fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.035B | Nondisplaced avulsion fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.036A | Nondisplaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.036B | Nondisplaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.041A | Displaced other fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.041B | Displaced other fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.042A | Displaced other fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.042B | Displaced other fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.043A | Displaced other fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.043B | Displaced other fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.044A | Nondisplaced other fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.044B | Nondisplaced other fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.045A | Nondisplaced other fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.045B | Nondisplaced other fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.046A | Nondisplaced other fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.046B | Nondisplaced other fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.051A | Displaced other extraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.051B | Displaced other extraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.052A | Displaced other extraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.052B | Displaced other extraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.053A | Displaced other extraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.053B | Displaced other extraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.054A | Nondisplaced other extraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.054B | Nondisplaced other extraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.055A | Nondisplaced other extraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.055B | Nondisplaced other extraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.056A | Nondisplaced other extraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.056B | Nondisplaced other extraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.061A | Displaced intraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.061B | Displaced intraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.062A | Displaced intraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.062B | Displaced intraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.063A | Displaced intraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.063B | Displaced intraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.064A | Nondisplaced intraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.064B | Nondisplaced intraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.065A | Nondisplaced intraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.065B | Nondisplaced intraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.066A | Nondisplaced intraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.066B | Nondisplaced intraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.101A | Unspecified fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.101B | Unspecified fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.102A | Unspecified fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.102B | Unspecified fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.109A | Unspecified fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.109B | Unspecified fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.111A | Displaced fracture of neck of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.111B | Displaced fracture of neck of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.112A | Displaced fracture of neck of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.112B | Displaced fracture of neck of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.113A | Displaced fracture of neck of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.113B | Displaced fracture of neck of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.114A | Nondisplaced fracture of neck of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.114B | Nondisplaced fracture of neck of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.115A | Nondisplaced fracture of neck of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.115B | Nondisplaced fracture of neck of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.116A | Nondisplaced fracture of neck of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.116B | Nondisplaced fracture of neck of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.121A | Displaced fracture of body of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.121B | Displaced fracture of body of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.122A | Displaced fracture of body of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.122B | Displaced fracture of body of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.123A | Displaced fracture of body of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.123B | Displaced fracture of body of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.124A | Nondisplaced fracture of body of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.124B | Nondisplaced fracture of body of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.125A | Nondisplaced fracture of body of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.125B | Nondisplaced fracture of body of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.126A | Nondisplaced fracture of body of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.126B | Nondisplaced fracture of body of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.131A | Displaced fracture of posterior process of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.131B | Displaced fracture of posterior process of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.132A | Displaced fracture of posterior process of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.132B | Displaced fracture of posterior process of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.133A | Displaced fracture of posterior process of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.133B | Displaced fracture of posterior process of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.134A | Nondisplaced fracture of posterior process of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.134B | Nondisplaced fracture of posterior process of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.135A | Nondisplaced fracture of posterior process of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.135B | Nondisplaced fracture of posterior process of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.136A | Nondisplaced fracture of posterior process of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.136B | Nondisplaced fracture of posterior process of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.141A | Displaced dome fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.141B | Displaced dome fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.142A | Displaced dome fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.142B | Displaced dome fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.143A | Displaced dome fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.143B | Displaced dome fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.144A | Nondisplaced dome fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.144B | Nondisplaced dome fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.145A | Nondisplaced dome fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.145B | Nondisplaced dome fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.146A | Nondisplaced dome fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.146B | Nondisplaced dome fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.151A | Displaced avulsion fracture (chip fracture) of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.151B | Displaced avulsion fracture (chip fracture) of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.152A | Displaced avulsion fracture (chip fracture) of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.152B | Displaced avulsion fracture (chip fracture) of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.153A | Displaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.153B | Displaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.154A | Nondisplaced avulsion fracture (chip fracture) of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.154B | Nondisplaced avulsion fracture (chip fracture) of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.155A | Nondisplaced avulsion fracture (chip fracture) of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.155B | Nondisplaced avulsion fracture (chip fracture) of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.156A | Nondisplaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.156B | Nondisplaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.191A | Other fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.191B | Other fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.192A | Other fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.192B | Other fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.199A | Other fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.199B | Other fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.201A | Fracture of unspecified tarsal bone(s) of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.201B | Fracture of unspecified tarsal bone(s) of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.202A | Fracture of unspecified tarsal bone(s) of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.202B | Fracture of unspecified tarsal bone(s) of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.209A | Fracture of unspecified tarsal bone(s) of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.209B | Fracture of unspecified tarsal bone(s) of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.211A | Displaced fracture of cuboid bone of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.211B | Displaced fracture of cuboid bone of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.212A | Displaced fracture of cuboid bone of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.212B | Displaced fracture of cuboid bone of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.213A | Displaced fracture of cuboid bone of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.213B | Displaced fracture of cuboid bone of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.214A | Nondisplaced fracture of cuboid bone of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.214B | Nondisplaced fracture of cuboid bone of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.215A | Nondisplaced fracture of cuboid bone of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.215B | Nondisplaced fracture of cuboid bone of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.216A | Nondisplaced fracture of cuboid bone of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.216B | Nondisplaced fracture of cuboid bone of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.221A | Displaced fracture of lateral cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.221B | Displaced fracture of lateral cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.222A | Displaced fracture of lateral cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.222B | Displaced fracture of lateral cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.223A | Displaced fracture of lateral cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.223B | Displaced fracture of lateral cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.224A | Nondisplaced fracture of lateral cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.224B | Nondisplaced fracture of lateral cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.225A | Nondisplaced fracture of lateral cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.225B | Nondisplaced fracture of lateral cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.226A | Nondisplaced fracture of lateral cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.226B | Nondisplaced fracture of lateral cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.231A | Displaced fracture of intermediate cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.231B | Displaced fracture of intermediate cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.232A | Displaced fracture of intermediate cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.232B | Displaced fracture of intermediate cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.233A | Displaced fracture of intermediate cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.233B | Displaced fracture of intermediate cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.234A | Nondisplaced fracture of intermediate cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.234B | Nondisplaced fracture of intermediate cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.235A | Nondisplaced fracture of intermediate cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.235B | Nondisplaced fracture of intermediate cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.236A | Nondisplaced fracture of intermediate cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.236B | Nondisplaced fracture of intermediate cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.241A | Displaced fracture of medial cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.241B | Displaced fracture of medial cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.242A | Displaced fracture of medial cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.242B | Displaced fracture of medial cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.243A | Displaced fracture of medial cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.243B | Displaced fracture of medial cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.244A | Nondisplaced fracture of medial cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.244B | Nondisplaced fracture of medial cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.245A | Nondisplaced fracture of medial cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.245B | Nondisplaced fracture of medial cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.246A | Nondisplaced fracture of medial cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.246B | Nondisplaced fracture of medial cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.251A | Displaced fracture of navicular [scaphoid] of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.251B | Displaced fracture of navicular [scaphoid] of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.252A | Displaced fracture of navicular [scaphoid] of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.252B | Displaced fracture of navicular [scaphoid] of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.253A | Displaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.253B | Displaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.254A | Nondisplaced fracture of navicular [scaphoid] of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.254B | Nondisplaced fracture of navicular [scaphoid] of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.255A | Nondisplaced fracture of navicular [scaphoid] of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.255B | Nondisplaced fracture of navicular [scaphoid] of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.256A | Nondisplaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.256B | Nondisplaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.301A | Fracture of unspecified metatarsal bone(s), right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.301B | Fracture of unspecified metatarsal bone(s), right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.302A | Fracture of unspecified metatarsal bone(s), left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.302B | Fracture of unspecified metatarsal bone(s), left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.309A | Fracture of unspecified metatarsal bone(s), unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.309B | Fracture of unspecified metatarsal bone(s), unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.311A | Displaced fracture of first metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.311B | Displaced fracture of first metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.312A | Displaced fracture of first metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.312B | Displaced fracture of first metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.313A | Displaced fracture of first metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.313B | Displaced fracture of first metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.314A | Nondisplaced fracture of first metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.314B | Nondisplaced fracture of first metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.315A | Nondisplaced fracture of first metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.315B | Nondisplaced fracture of first metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.316A | Nondisplaced fracture of first metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.316B | Nondisplaced fracture of first metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.321A | Displaced fracture of second metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.321B | Displaced fracture of second metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.322A | Displaced fracture of second metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.322B | Displaced fracture of second metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.323A | Displaced fracture of second metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.323B | Displaced fracture of second metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.324A | Nondisplaced fracture of second metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.324B | Nondisplaced fracture of second metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.325A | Nondisplaced fracture of second metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.325B | Nondisplaced fracture of second metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.326A | Nondisplaced fracture of second metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.326B | Nondisplaced fracture of second metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.331A | Displaced fracture of third metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.331B | Displaced fracture of third metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.332A | Displaced fracture of third metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.332B | Displaced fracture of third metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.333A | Displaced fracture of third metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.333B | Displaced fracture of third metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.334A | Nondisplaced fracture of third metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.334B | Nondisplaced fracture of third metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.335A | Nondisplaced fracture of third metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.335B | Nondisplaced fracture of third metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.336A | Nondisplaced fracture of third metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.336B | Nondisplaced fracture of third metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.341A | Displaced fracture of fourth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.341B | Displaced fracture of fourth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.342A | Displaced fracture of fourth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.342B | Displaced fracture of fourth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.343A | Displaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.343B | Displaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.344A | Nondisplaced fracture of fourth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.344B | Nondisplaced fracture of fourth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.345A | Nondisplaced fracture of fourth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.345B | Nondisplaced fracture of fourth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.346A | Nondisplaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.346B | Nondisplaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.351A | Displaced fracture of fifth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.351B | Displaced fracture of fifth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.352A | Displaced fracture of fifth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.352B | Displaced fracture of fifth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.353A | Displaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.353B | Displaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.354A | Nondisplaced fracture of fifth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.354B | Nondisplaced fracture of fifth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.355A | Nondisplaced fracture of fifth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.355B | Nondisplaced fracture of fifth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.356A | Nondisplaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.356B | Nondisplaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.401A | Displaced unspecified fracture of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.401B | Displaced unspecified fracture of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.402A | Displaced unspecified fracture of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.402B | Displaced unspecified fracture of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.403A | Displaced unspecified fracture of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.403B | Displaced unspecified fracture of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.404A | Nondisplaced unspecified fracture of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.404B | Nondisplaced unspecified fracture of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.405A | Nondisplaced unspecified fracture of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.405B | Nondisplaced unspecified fracture of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.406A | Nondisplaced unspecified fracture of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.406B | Nondisplaced unspecified fracture of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.411A | Displaced fracture of proximal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.411B | Displaced fracture of proximal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.412A | Displaced fracture of proximal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.412B | Displaced fracture of proximal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.413A | Displaced fracture of proximal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.413B | Displaced fracture of proximal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.414A | Nondisplaced fracture of proximal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.414B | Nondisplaced fracture of proximal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.415A | Nondisplaced fracture of proximal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.415B | Nondisplaced fracture of proximal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.416A | Nondisplaced fracture of proximal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.416B | Nondisplaced fracture of proximal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.421A | Displaced fracture of distal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.421B | Displaced fracture of distal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.422A | Displaced fracture of distal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.422B | Displaced fracture of distal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.423A | Displaced fracture of distal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.423B | Displaced fracture of distal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.424A | Nondisplaced fracture of distal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.424B | Nondisplaced fracture of distal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.425A | Nondisplaced fracture of distal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.425B | Nondisplaced fracture of distal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.426A | Nondisplaced fracture of distal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.426B | Nondisplaced fracture of distal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.491A | Other fracture of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.491B | Other fracture of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.492A | Other fracture of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.492B | Other fracture of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.499A | Other fracture of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.499B | Other fracture of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.501A | Displaced unspecified fracture of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.501B | Displaced unspecified fracture of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.502A | Displaced unspecified fracture of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.502B | Displaced unspecified fracture of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.503A | Displaced unspecified fracture of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.503B | Displaced unspecified fracture of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.504A | Nondisplaced unspecified fracture of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.504B | Nondisplaced unspecified fracture of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.505A | Nondisplaced unspecified fracture of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.505B | Nondisplaced unspecified fracture of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.506A | Nondisplaced unspecified fracture of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.506B | Nondisplaced unspecified fracture of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.511A | Displaced fracture of proximal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.511B | Displaced fracture of proximal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.512A | Displaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.512B | Displaced fracture of proximal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.513A | Displaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.513B | Displaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.514A | Nondisplaced fracture of proximal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.514B | Nondisplaced fracture of proximal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.515A | Nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.515B | Nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.516A | Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.516B | Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.521A | Displaced fracture of middle phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.521B | Displaced fracture of middle phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.522A | Displaced fracture of middle phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.522B | Displaced fracture of middle phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.523A | Displaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.523B | Displaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.524A | Nondisplaced fracture of middle phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.524B | Nondisplaced fracture of middle phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.525A | Nondisplaced fracture of middle phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.525B | Nondisplaced fracture of middle phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.526A | Nondisplaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.526B | Nondisplaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.531A | Displaced fracture of distal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.531B | Displaced fracture of distal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.532A | Displaced fracture of distal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.532B | Displaced fracture of distal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.533A | Displaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.533B | Displaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.534A | Nondisplaced fracture of distal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.534B | Nondisplaced fracture of distal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.535A | Nondisplaced fracture of distal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.535B | Nondisplaced fracture of distal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.536A | Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.536B | Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.591A | Other fracture of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.591B | Other fracture of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.592A | Other fracture of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.592B | Other fracture of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.599A | Other fracture of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.599B | Other fracture of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.811A | Other fracture of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.811B | Other fracture of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.812A | Other fracture of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.812B | Other fracture of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.819A | Other fracture of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.819B | Other fracture of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.901A | Unspecified fracture of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.901B | Unspecified fracture of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.902A | Unspecified fracture of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.902B | Unspecified fracture of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.909A | Unspecified fracture of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.909B | Unspecified fracture of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.911A | Unspecified fracture of right toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.911B | Unspecified fracture of right toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.912A | Unspecified fracture of left toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.912B | Unspecified fracture of left toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.919A | Unspecified fracture of unspecified toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.919B | Unspecified fracture of unspecified toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.001A | Unspecified physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.001B | Unspecified physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.002A | Unspecified physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.002B | Unspecified physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.009A | Unspecified physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.009B | Unspecified physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.011A | Salter-Harris Type I physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.011B | Salter-Harris Type I physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.012A | Salter-Harris Type I physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.012B | Salter-Harris Type I physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.019A | Salter-Harris Type I physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.019B | Salter-Harris Type I physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.021A | Salter-Harris Type II physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.021B | Salter-Harris Type II physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.022A | Salter-Harris Type II physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S99.022B | Salter-Harris Type II physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.029A | Salter-Harris Type II physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.029B | Salter-Harris Type II physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.031A | Salter-Harris Type III physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.031B | Salter-Harris Type III physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.032A | Salter-Harris Type III physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.032B | Salter-Harris Type III physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.039A | Salter-Harris Type III physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.039B | Salter-Harris Type III physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.041A | Salter-Harris Type IV physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.041B | Salter-Harris Type IV physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.042A | Salter-Harris Type IV physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.042B | Salter-Harris Type IV physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.049A | Salter-Harris Type IV physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.049B | Salter-Harris Type IV physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.091A | Other physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.091B | Other physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.092A | Other physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.092B | Other physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.099A | Other physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.099B | Other physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.101A | Unspecified physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S99.101B | Unspecified physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.102A | Unspecified physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.102B | Unspecified physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.109A | Unspecified physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.109B | Unspecified physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.111A | Salter-Harris Type I physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.111B | Salter-Harris Type I physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.112A | Salter-Harris Type I physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.112B | Salter-Harris Type I physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.119A | Salter-Harris Type I physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.119B | Salter-Harris Type I physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.121A | Salter-Harris Type II physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.121B | Salter-Harris Type II physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.122A | Salter-Harris Type II physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.122B | Salter-Harris Type II physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.129A | Salter-Harris Type II physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.129B | Salter-Harris Type II physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.131A | Salter-Harris Type III physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.131B | Salter-Harris Type III physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.132A | Salter-Harris Type III physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S99.132B | Salter-Harris Type III physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.139A | Salter-Harris Type III physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.139B | Salter-Harris Type III physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.141A | Salter-Harris Type IV physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.141B | Salter-Harris Type IV physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.142A | Salter-Harris Type IV physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.142B | Salter-Harris Type IV physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.149A | Salter-Harris Type IV physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.149B | Salter-Harris Type IV physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.191A | Other physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.191B | Other physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.192A | Other physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.192B | Other physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.199A | Other physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.199B | Other physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.201A | Unspecified physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.201B | Unspecified physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.202A | Unspecified physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.202B | Unspecified physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.209A | Unspecified physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.209B | Unspecified physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.211A | Salter-Harris Type I physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S99.211B | Salter-Harris Type I physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.212A | Salter-Harris Type I physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.212B | Salter-Harris Type I physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.219A | Salter-Harris Type I physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.219B | Salter-Harris Type I physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.221A | Salter-Harris Type II physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.221B | Salter-Harris Type II physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.222A | Salter-Harris Type II physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.222B | Salter-Harris Type II physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.229A | Salter-Harris Type II physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.229B | Salter-Harris Type II physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.231A | Salter-Harris Type III physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.231B | Salter-Harris Type III physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.232A | Salter-Harris Type III physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.232B | Salter-Harris Type III physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.239A | Salter-Harris Type III physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.239B | Salter-Harris Type III physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.241A | Salter-Harris Type IV physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.241B | Salter-Harris Type IV physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.242A | Salter-Harris Type IV physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition Category II (CPT-2), and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Inclusion and Exclusion Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S99.242B | Salter-Harris Type IV physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.249A | Salter-Harris Type IV physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.249B | Salter-Harris Type IV physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.291A | Other physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.291B | Other physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.292A | Other physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.292B | Other physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.299A | Other physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.299B | Other physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| T14.8XXA | Other injury of unspecified body region, initial encounter | Diagnosis | ICD-10-CM |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| Anticoagulants | |
| ANISINDIONE | Miradon |
| APIXABAN | Eliquis |
| ARDEPARIN SODIUM,PORCINE | Normiflo |
| ARGATROBAN | argatroban |
| ARGATROBAN IN 0.9 % SODIUM CHLORIDE | argatroban in 0.9 % sod chlor |
| ARGATROBAN IN SODIUM CHLORIDE, ISO-OSMOTIC | argatroban in NaCl (iso-os) |
| BETRIXABAN MALEATE | Bevyxxa |
| BIVALIRUDIN | bivalirudin |
| BIVALIRUDIN | Angiomax |
| DABIGATRAN ETEXILATE MESYLATE | Pradaxa |
| DALTEPARIN SODIUM,PORCINE | Fragmin |
| DANAPAROID SODIUM,PORCINE | Orgaran |
| DESIRUDIN | Iprivask |
| DICUMAROL | dicumarol |
| EDOXABAN TOSYLATE | Savaysa |
| ENOXAPARIN SODIUM | Lovenox |
| ENOXAPARIN SODIUM | enoxaparin |
| FONDAPARINUX SODIUM | fondaparinux |
| FONDAPARINUX SODIUM | Arixtra |
| HEPARIN SODIUM,BEEF | heparin (bovine) |
| HEPARIN SODIUM,PORCINE | heparin (porcine) |
| HEPARIN SODIUM,PORCINE | Heparin Lock |
| HEPARIN SODIUM,PORCINE | heparin lock flush (porcine) |
| HEPARIN SODIUM,PORCINE | Hep-Lock |
| HEPARIN SODIUM,PORCINE | Hep-Lock Flush |
| HEPARIN SODIUM,PORCINE | heparin lock flush |
| HEPARIN SODIUM,PORCINE | Vasceze |
| HEPARIN SODIUM,PORCINE IN 0.45 % SODIUM CHLORIDE | heparin(porcine) in 0.45% NaCl |
| HEPARIN SODIUM,PORCINE IN 0.45 % SODIUM CHLORIDE/PF | heparin (porc)-0.45% NaCl (PF) |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Heparin Combination |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | heparin flush(porcine)-0.9NaCl |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | heparin (porcine) in 0.9% NaCl |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Lok-Pak Heparin Flush |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Hep-Pak |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Heparin Flush |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Lok-Pak-N Heparin Flush |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Lok-Pak-N |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE/PF | heparin (porcine) in NaCl (PF) |
| HEPARIN SODIUM,PORCINE/DEXTROSE 5 % IN WATER | heparin (porcine) in 5 % dex |
| HEPARIN SODIUM,PORCINE/DEXTROSE 5 % IN WATER/PF | heparin (porcine) in D5W (PF) |
| HEPARIN SODIUM,PORCINE/PF | heparin, porcine (PF) |
| HEPARIN SODIUM,PORCINE/PF | Hep Flush-10 (PF) |
| HEPARIN SODIUM,PORCINE/PF | Hep-Lock U/P PF |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|-----------------------------|--------------------------------|
| HEPARIN SODIUM,PORCINE/PF | Heparin LockFlush(Porcine)(PF) |
| HEPARIN SODIUM,PORCINE/PF | Monoject Prefill (PF) |
| HEPARIN SODIUM,PORCINE/PF | Monoject Prefill Advanced (PF) |
| LEPIRUDIN,RECOMBINANT | Refludan |
| RIVAROXABAN | Xarelto |
| TINZAPARIN SODIUM,PORCINE | Innohep |
| WARFARIN SODIUM | Coumadin |
| WARFARIN SODIUM | warfarin |
| WARFARIN SODIUM | Jantoven |
| Anti-Epileptic Drugs | |
| BRIVARACETAM | Briviact |
| CARBAMAZEPINE | Equetro |
| CARBAMAZEPINE | carbamazepine |
| CARBAMAZEPINE | Tegretol XR |
| CARBAMAZEPINE | Carbatrol |
| CARBAMAZEPINE | Tegretol |
| CARBAMAZEPINE | Atretol |
| CARBAMAZEPINE | Epitol |
| CLOBAZAM | Onfi |
| CLONAZEPAM | clonazepam |
| CLONAZEPAM | Klonopin |
| CLONAZEPAM | Ceberclon |
| DIAZEPAM | diazepam |
| DIAZEPAM | Diastat Pediatric |
| DIAZEPAM | Diastat AcuDial |
| DIAZEPAM | Diastat |
| DIAZEPAM | Diastat Universal |
| DIVALPROEX SODIUM | divalproex |
| DIVALPROEX SODIUM | Depakote |
| DIVALPROEX SODIUM | Depakote Sprinkles |
| DIVALPROEX SODIUM | Depakote ER |
| ESLICARBAZEPINE ACETATE | Aptiom |
| ETHOSUXIMIDE | ethosuximide |
| ETHOSUXIMIDE | Zarontin |
| ETHOTOIN | Peganone |
| EZOGABINE | Potiga |
| FELBAMATE | felbamate |
| FELBAMATE | Felbatol |
| FOSPHENYTOIN SODIUM | fosphenytoin |
| FOSPHENYTOIN SODIUM | Cerebyx |
| GABAPENTIN | Fanatrex |
| GABAPENTIN | gabapentin |
| GABAPENTIN | Neurontin |
| GABAPENTIN | Gabarone |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| GABAPENTIN/CAPSAICIN/METHYL SALICYLATE/MENTHOL | SmartRx Gaba-V Kit |
| GABAPENTIN/DIETARY SUPPLEMENT, MISC COMBO NO.11 | Therapentin-90 |
| GABAPENTIN/DIETARY SUPPLEMENT, MISC COMBO NO.11 | Therapentin-60 |
| GABAPENTIN/LIDOCAINE HCL/MENTHOL | SmartRx GabaKit |
| GABAPENTIN/LIDOCAINE HCL/MENTHOL | Active-Pac |
| LACOSAMIDE | Vimpat |
| LAMOTRIGINE | Lamictal |
| LAMOTRIGINE | lamotrigine |
| LAMOTRIGINE | Lamictal ODT Starter (Green) |
| LAMOTRIGINE | Lamictal ODT Starter (Blue) |
| LAMOTRIGINE | Lamictal XR Starter (Blue) |
| LAMOTRIGINE | Lamictal XR |
| LAMOTRIGINE | Lamictal ODT |
| LAMOTRIGINE | Lamictal Starter (Orange) Kit |
| LAMOTRIGINE | Lamictal Starter (Green) Kit |
| LAMOTRIGINE | Lamictal XR Starter (Green) |
| LAMOTRIGINE | Lamictal ODT Starter (Orange) |
| LAMOTRIGINE | Lamictal Starter (Blue) Kit |
| LAMOTRIGINE | Lamictal XR Starter (Orange) |
| LEVETIRACETAM | levetiracetam |
| LEVETIRACETAM | Keppra |
| LEVETIRACETAM | Spritam |
| LEVETIRACETAM | Roweepra |
| LEVETIRACETAM | Keppra XR |
| LEVETIRACETAM IN SODIUM CHLORIDE, ISO-OSMOTIC | levetiracetam in NaCl (iso-os) |
| MEPHENYTOIN | Mesantoin |
| METHSUXIMIDE | Celontin |
| OXCARBAZEPINE | oxcarbazepine |
| OXCARBAZEPINE | Trileptal |
| OXCARBAZEPINE | Oxtellar XR |
| PARAMETHADIONE | Paradione |
| PERAMPANEL | Fycompa |
| PHENOBARBITAL | phenobarbital |
| PHENOBARBITAL SODIUM | phenobarbital sodium |
| PHENOBARBITAL SODIUM | Luminal |
| PHENYTOIN | phenytoin |
| PHENYTOIN | Dilantin Infatabs |
| PHENYTOIN | Dilantin-125 |
| PHENYTOIN SODIUM | phenytoin sodium |
| PHENYTOIN SODIUM | Di-Phen |
| PHENYTOIN SODIUM EXTENDED | phenytoin sodium extended |
| PHENYTOIN SODIUM EXTENDED | Dilantin Kapseal |
| PHENYTOIN SODIUM EXTENDED | Dilantin Extended |
| PHENYTOIN SODIUM EXTENDED | Phenytek |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| PHENYTOIN SODIUM EXTENDED | Dilantin |
| PREGABALIN | Lyrica |
| PRIMIDONE | primidone |
| PRIMIDONE | Mysoline |
| RUFINAMIDE | Banzel |
| TIAGABINE HCL | Gabitril |
| TIAGABINE HCL | tiagabine |
| TOPIRAMATE | topiramate |
| TOPIRAMATE | Topamax |
| TOPIRAMATE | Trokendi XR |
| TOPIRAMATE | Qudexy XR |
| TOPIRAMATE | Topiragen |
| VALPROIC ACID | valproic acid |
| VALPROIC ACID | Stavzor |
| VALPROIC ACID | Depakene |
| VALPROIC ACID (AS SODIUM SALT) (VALPROATE SODIUM) | valproate sodium |
| VALPROIC ACID (AS SODIUM SALT) (VALPROATE SODIUM) | Depacon |
| VALPROIC ACID (AS SODIUM SALT) (VALPROATE SODIUM) | valproic acid (as sodium salt) |
| VIGABATRIN | vigabatrin |
| VIGABATRIN | Sabril |
| ZONISAMIDE | zonisamide |
| ZONISAMIDE | Zonegran |
| Beta Blockers | |
| ACEBUTOLOL HCL | acebutolol |
| ACEBUTOLOL HCL | Sectral |
| ATENOLOL | atenolol |
| ATENOLOL | Tenormin |
| ATENOLOL | Senormin |
| ATENOLOL/CHLORTHALIDONE | atenolol-chlorthalidone |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 50 |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 100 |
| BETAXOLOL HCL | betaxolol |
| BETAXOLOL HCL | Kerlone |
| BISOPROLOL FUMARATE | bisoprolol fumarate |
| BISOPROLOL FUMARATE | Zebeta |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | Ziac |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | bisoprolol-hydrochlorothiazide |
| CARTEOLOL HCL | Cartrol |
| CARVEDILOL | carvedilol |
| CARVEDILOL | Coreg |
| CARVEDILOL PHOSPHATE | Coreg CR |
| CARVEDILOL PHOSPHATE | carvedilol phosphate |
| ESMOLOL HCL | esmolol |
| ESMOLOL HCL | Brevibloc |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| ESMOLOL HCL IN SODIUM CHLORIDE, ISO-OSMOTIC | Brevibloc in NaCl (iso-osm) |
| LABETALOL HCL | labetalol |
| LABETALOL HCL | Trandate |
| LABETALOL HCL | Normodyne |
| LABETALOL IN DEXTROSE 5 % IN WATER | labetalol in dextrose 5 % |
| METOPROLOL SUCCINATE | metoprolol succinate |
| METOPROLOL SUCCINATE | Toprol XL |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | metoprolol su-hydrochlorothiaz |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | Dutoprol |
| METOPROLOL TARTRATE | metoprolol tartrate |
| METOPROLOL TARTRATE | Lopressor |
| METOPROLOL TARTRATE/DIETARY SUPPLEMENT, COMB.10 | Hypertensolol |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | Lopressor HCT |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | metoprolol ta-hydrochlorothiaz |
| NADOLOL | nadolol |
| NADOLOL | Corgard |
| NADOLOL/BENDROFLUMETHIAZIDE | Corzide |
| NADOLOL/BENDROFLUMETHIAZIDE | nadolol-bendroflumethiazide |
| NEBIVOLOL HCL | Bystolic |
| PENBUTOLOL SULFATE | Levatol |
| PINDOLOL | pindolol |
| PINDOLOL | Visken |
| PROPRANOLOL HCL | propranolol |
| PROPRANOLOL HCL | Inderal |
| PROPRANOLOL HCL | Inderal LA |
| PROPRANOLOL HCL | InnoPran XL |
| PROPRANOLOL HCL | Hemangeol |
| PROPRANOLOL HCL | Inderal XL |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | propranolol-hydrochlorothiazid |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide LA |
| SOTALOL HCL | Betapace AF |
| SOTALOL HCL | sotalol |
| SOTALOL HCL | Sotalol AF |
| SOTALOL HCL | Betapace |
| SOTALOL HCL | Sotylize |
| SOTALOL HCL | Sorine |
| TIMOLOL MALEATE | timolol maleate |
| TIMOLOL MALEATE | Blocadren |
| TIMOLOL MALEATE/HYDROCHLOROTHIAZIDE | Timolide |
| Bisphosphonates | |
| ALENDRONATE SODIUM | Fosamax |
| ALENDRONATE SODIUM | alendronate |
| ALENDRONATE SODIUM | Binosto |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| ALENDRONATE SODIUM/CHOLECALCIFEROL (VITAMIN D3) | Fosamax Plus D |
| ETIDRONATE DISODIUM | Didronel |
| ETIDRONATE DISODIUM | etidronate disodium |
| IBANDRONATE SODIUM | Boniva |
| IBANDRONATE SODIUM | ibandronate |
| PAMIDRONATE DISODIUM | pamidronate |
| PAMIDRONATE DISODIUM | Aredia |
| RISEDRONATE SODIUM | Actonel |
| RISEDRONATE SODIUM | risedronate |
| RISEDRONATE SODIUM | Atelvia |
| RISEDRONATE SODIUM/CALCIUM CARBONATE | Actonel with Calcium |
| TILUDRONATE DISODIUM | Skelid |
| ZOLEDRONIC ACID | Zometa |
| ZOLEDRONIC ACID | zoledronic acid |
| ZOLEDRONIC ACID IN MANNITOL AND 0.9 % SODIUM CHLORIDE | zoledronic ac-mannitol-0.9NaCl |
| ZOLEDRONIC ACID IN MANNITOL AND WATER FOR INJECTION | Reclast |
| ZOLEDRONIC ACID IN MANNITOL AND WATER FOR INJECTION | zoledronic acid-mannitol-water |
| Chemotherapy | |
| ABARELIX | Plenaxis |
| ABEMACICLIB | Verzenio |
| ABIRATERONE ACETATE | Zytiga |
| ACALABRUTINIB | Calquence |
| ADO-TRASTUZUMAB EMTANSINE | Kadcyla |
| AFATINIB DIMALEATE | Gilotrif |
| ALDESLEUKIN | Proleukin |
| ALECTINIB HCL | Alecensa |
| ALEMTUZUMAB | Campath |
| ALTRETAMINE | Hexalen |
| AMINOGLUTETHIMIDE | Cytadren |
| ANASTROZOLE | Arimidex 30-day Pack |
| ANASTROZOLE | anastrozole |
| ANASTROZOLE | Arimidex |
| ARSENIC TRIOXIDE | Trisenox |
| ASPARAGINASE | Elspar |
| ASPARAGINASE (ERWINIA CHRYSANTHEMI) | Erwinaze |
| ATEZOLIZUMAB | Tecentriq |
| AVELUMAB | Bavencio |
| AXICABTAGENE CILOLEUCEL | Yescarta |
| AXITINIB | Inlyta |
| AZACITIDINE | azacitidine |
| AZACITIDINE | Vidaza |
| BCG LIVE | Theracys |
| BCG LIVE | Tice BCG |
| BELINOSTAT | Beleodaq |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|-------------------------------|-------------------|
| BENDAMUSTINE HCL | Treanda |
| BENDAMUSTINE HCL | Bendeka |
| BEVACIZUMAB | Avastin |
| BEXAROTENE | bexarotene |
| BEXAROTENE | Targretin |
| BICALUTAMIDE | bicalutamide |
| BICALUTAMIDE | Casodex |
| BLEOMYCIN SULFATE | bleomycin |
| BLEOMYCIN SULFATE | Blenoxane |
| BLEOMYCIN SULFATE | Bleo 15K |
| BLINATUMOMAB | Blincyto |
| BORTEZOMIB | Velcade |
| BORTEZOMIB | bortezomib |
| BOSUTINIB | Bosulif |
| BRENTUXIMAB VEDOTIN | Adcetris |
| BRIGATINIB | Alunbrig |
| BUSULFAN | Busulfex |
| BUSULFAN | busulfan |
| BUSULFAN | Myleran |
| CABAZITAXEL | Jevtana |
| CABOZANTINIB S-MALATE | Cabometyx |
| CABOZANTINIB S-MALATE | Cometriq |
| CAPECITABINE | capecitabine |
| CAPECITABINE | Xeloda |
| CARBOPLATIN | carboplatin |
| CARBOPLATIN | Paraplatin |
| CARFILZOMIB | Kyprolis |
| CARMUSTINE | BiCNU |
| CARMUSTINE IN POLIFEPROSAN 20 | Gliadel Wafer |
| CERITINIB | Zykadia |
| CETUXIMAB | Erbix |
| CHLORAMBUCIL | Leukeran |
| CISPLATIN | cisplatin |
| CISPLATIN | Platinol AQ |
| CLADRIBINE | cladribine |
| CLADRIBINE | Leustatin |
| CLOFARABINE | clofarabine |
| CLOFARABINE | Clolar |
| COBIMETINIB FUMARATE | Cotellic |
| COPANLISIB DI-HCL | Aliqopa |
| CRIZOTINIB | Xalkori |
| CROMOLYN SODIUM | cromolyn |
| CROMOLYN SODIUM | Gastrocrom |
| CYCLOPHOSPHAMIDE | cyclophosphamide |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|-------------------------------------|--------------------------------|
| CYCLOPHOSPHAMIDE | Cytoxan Lyophilized |
| CYCLOPHOSPHAMIDE | Neosar |
| CYCLOPHOSPHAMIDE | Cytoxan |
| CYTARABINE | Cytosar-U |
| CYTARABINE | cytarabine |
| CYTARABINE | Tarabine Pfs |
| CYTARABINE LIPOSOME/PF | DepoCyt (PF) |
| CYTARABINE/PF | cytarabine (PF) |
| DABRAFENIB MESYLATE | Tafinlar |
| DACARBAZINE | dacarbazine |
| DACARBAZINE | DTIC-Dome |
| DACTINOMYCIN | Cosmegen |
| DACTINOMYCIN | dactinomycin |
| DARATUMUMAB | Darzalex |
| DASATINIB | Sprycel |
| DAUNORUBICIN CITRATE LIPOSOMAL | DaunoXome |
| DAUNORUBICIN HCL | daunorubicin |
| DAUNORUBICIN HCL | Cerubidine |
| DAUNORUBICIN/CYTARABINE LIPOSOMAL | Vyxeos |
| DECITABINE | Dacogen |
| DECITABINE | decitabine |
| DEGARELIX ACETATE | Firmagon kit w diluent syringe |
| DEGARELIX ACETATE | Firmagon |
| DENILEUKIN DIFTITOX | Ontak |
| DIETHYLSTILBESTROL DIPHOSPHATE | Stilphostrol |
| DINUTUXIMAB | Unituxin |
| DOCETAXEL | docetaxel |
| DOCETAXEL | Taxotere |
| DOCETAXEL | Docefrez |
| DOXORUBICIN HCL | doxorubicin |
| DOXORUBICIN HCL | Adriamycin |
| DOXORUBICIN HCL | Adriamycin PFS |
| DOXORUBICIN HCL | Adriamycin RDF |
| DOXORUBICIN HCL | Rubex |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | doxorubicin, peg-liposomal |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | Lipodox |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | Doxil |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | Lipodox 50 |
| DURVALUMAB | Imfinzi |
| ELOTUZUMAB | Empliciti |
| ENASIDENIB MESYLATE | Idhifa |
| ENZALUTAMIDE | Xtandi |
| EPIRUBICIN HCL | epirubicin |
| EPIRUBICIN HCL | Ellence |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|-------------------------------|-------------------|
| ERIBULIN MESYLATE | Halaven |
| ERLOTINIB HCL | Tarceva |
| ESTRAMUSTINE PHOSPHATE SODIUM | Emcyt |
| ETOPOSIDE | etoposide |
| ETOPOSIDE | VePesid |
| ETOPOSIDE | Toposar |
| ETOPOSIDE PHOSPHATE | Etopophos |
| EVEROLIMUS | Afinitor Disperz |
| EVEROLIMUS | Afinitor |
| EXEMESTANE | Aromasin |
| EXEMESTANE | exemestane |
| FLOXURIDINE | FUDR |
| FLOXURIDINE | floxuridine |
| FLUDARABINE PHOSPHATE | fludarabine |
| FLUDARABINE PHOSPHATE | Fludara |
| FLUDARABINE PHOSPHATE | Oforta |
| FLUOROURACIL | fluorouracil |
| FLUOROURACIL | Adrucil |
| FLUTAMIDE | flutamide |
| FLUTAMIDE | Eulexin |
| FULVESTRANT | Faslodex |
| GEFITINIB | Iressa |
| GEMCITABINE HCL | gemcitabine |
| GEMCITABINE HCL | Gemzar |
| GEMTUZUMAB OZOGAMICIN | Mylotarg |
| GOSERELIN ACETATE | Zoladex |
| HISTRELIN ACETATE | Vantas |
| HYDROXYUREA | hydroxyurea |
| HYDROXYUREA | Hydrea |
| HYDROXYUREA | Mylocel |
| IBRUTINIB | Imbruvica |
| IDARUBICIN HCL | idarubicin |
| IDARUBICIN HCL | Idamycin PFS |
| IDARUBICIN HCL | Idamycin |
| IDELALISIB | Zydelig |
| IFOSFAMIDE | ifosfamide |
| IFOSFAMIDE | Ifex |
| IFOSFAMIDE/MESNA | ifosfamide-mesna |
| IFOSFAMIDE/MESNA | Ifex/Mesnex |
| IMATINIB MESYLATE | imatinib |
| IMATINIB MESYLATE | Gleevec |
| INOTUZUMAB OZOGAMICIN | Besponsa |
| INTERFERON ALFA-2A,RECOMB. | Roferon-A |
| INTERFERON ALFA-2B,RECOMB. | Intron A |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|--------------------------|
| IPILIMUMAB | Yervoy |
| IRINOTECAN HCL | Camptosar |
| IRINOTECAN HCL | irinotecan |
| IRINOTECAN LIPOSOMAL | Onivyde |
| IXABEPILONE | Ixempra |
| IXAZOMIB CITRATE | Ninlaro |
| KIT FOR PREP INDIUM-111/IBRITUMOMAB TIUXETAN/ALBUMIN HUMAN | Zevalin (In-111) |
| KIT FOR PREP YTTRIUM-90/IBRITUMOMAB TIUXETAN/ALBUMIN HUMAN | Zevalin (Y-90) |
| LAPATINIB DITOSYLATE | Tykerb |
| LENALIDOMIDE | Revlimid |
| LENVATINIB MESYLATE | Lenvima |
| LETROZOLE | letrozole |
| LETROZOLE | Femara |
| LEUPROLIDE ACETATE | Lupron Depot (6 Month) |
| LEUPROLIDE ACETATE | Lupron Depot |
| LEUPROLIDE ACETATE | Lupron Depot (4 month) |
| LEUPROLIDE ACETATE | Lupron Depot (3 month) |
| LEUPROLIDE ACETATE | leuprolide |
| LEUPROLIDE ACETATE | Eligard (6 month) |
| LEUPROLIDE ACETATE | Eligard (4 month) |
| LEUPROLIDE ACETATE | Lupron |
| LEUPROLIDE ACETATE | Eligard |
| LEUPROLIDE ACETATE | Eligard (3 month) |
| LEUPROLIDE ACETATE/LIDOCAINE HCL | Viadur |
| LEVAMISOLE HCL | Ergamisol |
| LOMUSTINE | lomustine |
| LOMUSTINE | CeeNU |
| LOMUSTINE | Gleostine |
| LUTETIUM LU 177 DOTATATE | Lutathera |
| MECHLORETHAMINE HCL | Mustargen |
| MEDROXYPROGESTERONE ACETATE | Depo-Provera |
| MEGESTROL ACETATE | megestrol |
| MEGESTROL ACETATE | Megace |
| MELPHALAN | Alkeran |
| MELPHALAN | melphalan |
| MELPHALAN HCL | melphalan HCl |
| MELPHALAN HCL/BETADEX SULFOBUTYL ETHER SODIUM | Evomela |
| MERCAPTOPYRINE | Purinethol |
| MERCAPTOPYRINE | Purixan |
| MERCAPTOPYRINE | mercaptopyrine |
| METHOTREXATE | Xatmep |
| METHOTREXATE SODIUM | methotrexate sodium |
| METHOTREXATE SODIUM | Trexall |
| METHOTREXATE SODIUM/PF | methotrexate sodium (PF) |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---------------------------|-------------------|
| METHOTREXATE SODIUM/PF | Methotrexate LPF |
| METHOXSALLEN | Uvadex |
| MIDOSTAURIN | Rydapt |
| MITOMYCIN | mitomycin |
| MITOMYCIN | Mutamycin |
| MITOTANE | Lysodren |
| MITOXANTRONE HCL | mitoxantrone |
| MITOXANTRONE HCL | Novantrone |
| NECITUMUMAB | Portrazza |
| NELARABINE | Arranon |
| NERATINIB MALEATE | Nerlynx |
| NILOTINIB HCL | Tasigna |
| NILUTAMIDE | Nilandron |
| NILUTAMIDE | nilutamide |
| NINTEDANIB ESYLATE | Ofev |
| NIRAPARIB TOSYLATE | Zejula |
| NIVOLUMAB | Opdivo |
| OBINUTUZUMAB | Gazyva |
| OFATUMUMAB | Arzerra |
| OLAPARIB | Lynparza |
| OLARATUMAB | Lartruvo |
| OMACETAXINE MEPESUCCINATE | Synribo |
| OSIMERTINIB MESYLATE | Tagrisso |
| OXALIPLATIN | oxaliplatin |
| OXALIPLATIN | Eloxatin |
| PACLITAXEL | paclitaxel |
| PACLITAXEL | Onxol |
| PACLITAXEL | Taxol |
| PACLITAXEL PROTEIN-BOUND | Abraxane |
| PALBOCICLIB | Ibrance |
| PANITUMUMAB | Vectibix |
| PANOBINOSTAT LACTATE | Farydak |
| PAZOPANIB HCL | Votrient |
| PEGASPARGASE | Oncaspar |
| PEGINTERFERON ALFA-2B | Sylatron |
| PEGINTERFERON ALFA-2B | Sylatron 4-Pack |
| PEMBROLIZUMAB | Keytruda |
| PEMETREXED DISODIUM | Alimta |
| PENTOSTATIN | Nipent |
| PENTOSTATIN | pentostatin |
| PERTUZUMAB | Perjeta |
| PLICAMYCIN | Mithracin |
| POMALIDOMIDE | Pomalyst |
| PONATINIB HCL | Iclusig |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|------------------------|
| PORFIMER SODIUM | Photofrin |
| PRALATREXATE | Folotyn |
| PROCARBAZINE HCL | Matulane |
| RADIUM-223 DICHLORIDE | Xofigo |
| RAMUCIRUMAB | Cyramza |
| REGORAFENIB | Stivarga |
| RIBOCICLIB SUCCINATE | Kisqali |
| RIBOCICLIB SUCCINATE/LETROZOLE | Kisqali Femara Co-Pack |
| RITUXIMAB | Rituxan |
| RITUXIMAB/HYALURONIDASE, HUMAN RECOMBINANT | Rituxan Hycela |
| ROMIDEPSIN | Istodax |
| ROMIDEPSIN | romidepsin |
| RUCAPARIB CAMSYLATE | Rubraca |
| RUXOLITINIB PHOSPHATE | Jakafi |
| SAMARIUM SM 153 LEXIDRONAM | Quadramet |
| SILTUXIMAB | Sylvant |
| SIPULEUCEL-T/LACTATED RINGERS SOLUTION | Provenge |
| SODIUM IODIDE-131 | Hicon |
| SONIDEGIB PHOSPHATE | Odomzo |
| SORAFENIB TOSYLATE | Nexavar |
| STREPTOZOCIN | Zanosar |
| STRONTIUM-89 CHLORIDE | Metastron |
| SUNITINIB MALATE | Sutent |
| TALIMOGENE LAHERPAREPVEC | Imlygic |
| TAMOXIFEN CITRATE | Nolvadex |
| TAMOXIFEN CITRATE | tamoxifen |
| TAMOXIFEN CITRATE | Soltamox |
| TEMOZOLOMIDE | Temodar |
| TEMOZOLOMIDE | temozolomide |
| TEMSIROLIMUS | Torisel |
| TENIPOSIDE | Vumon |
| TENIPOSIDE | teniposide |
| TESTOLACTONE | Teslac |
| THALIDOMIDE | Thalomid |
| THIOGUANINE | Tabloid |
| THIOTEPA | Thioplex |
| THIOTEPA | thiotepa |
| THIOTEPA | Tepadina |
| TISAGENLECLEUCEL | Kymriah |
| TOPOTECAN HCL | topotecan |
| TOPOTECAN HCL | Hycamtin |
| TOREMIFENE CITRATE | Fareston |
| TOSITUMOMAB (WITH MALTOSE) | Bexxar Therapeutic |
| TOSITUMOMAB (WITH MALTOSE) | Bexxar Dosimetric |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|------------------------------|
| TOSITUMOMAB IODINE-131 (WITH MALTOSE) | Bexxar 131 Iodine |
| TRABECTEDIN | Yondelis |
| TRAMETINIB DIMETHYL SULFOXIDE | Mekinist |
| TRASTUZUMAB | Herceptin |
| TRETINOIN | tretinoin (chemotherapy) |
| TRETINOIN | Vesanoid |
| TRIFLURIDINE/TIPIRACIL HCL | Lonsurf |
| TRIPTORELIN PAMOATE | Trelstar |
| TRIPTORELIN PAMOATE | Trelstar Depot |
| TRIPTORELIN PAMOATE | Trelstar LA |
| URACIL MUSTARD | uracil mustard |
| VALRUBICIN | Valstar |
| VANDETANIB | Caprelsa |
| VANDETANIB | vandetanib |
| VEMURAFENIB | Zelboraf |
| VENETOCLAX | Venclexta |
| VENETOCLAX | Venclexta Starting Pack |
| VINBLASTINE SULFATE | vinblastine |
| VINBLASTINE SULFATE | Velban |
| VINCRISTINE SULFATE | Oncovin |
| VINCRISTINE SULFATE | vincristine |
| VINCRISTINE SULFATE | Vincasar PFS |
| VINCRISTINE SULFATE LIPOSOMAL | Marqibo |
| VINORELBINE TARTRATE | vinorelbine |
| VINORELBINE TARTRATE | Navelbine |
| VISMODEGIB | Erivedge |
| VORINOSTAT | Zolinza |
| ZIV-AFLIBERCEPT | Zaltrap |
| Corticosteroids | |
| BECLOMETHASONE DIPROPIONATE | Beclovent |
| BECLOMETHASONE DIPROPIONATE | Qvar |
| BECLOMETHASONE DIPROPIONATE | Vanceril |
| BECLOMETHASONE DIPROPIONATE | Beclovent Refill |
| BECLOMETHASONE DIPROPIONATE | Vanceril Double Strength |
| BECLOMETHASONE DIPROPIONATE | Qvar RediHaler |
| BECLOMETHASONE DIPROPIONATE | Beconase |
| BECLOMETHASONE DIPROPIONATE | Vancenase AQ Double Strength |
| BECLOMETHASONE DIPROPIONATE | Beconase AQ |
| BECLOMETHASONE DIPROPIONATE | Vancenase AQ |
| BECLOMETHASONE DIPROPIONATE | Vancenase Pockethaler |
| BECLOMETHASONE DIPROPIONATE | Vancenase |
| BECLOMETHASONE DIPROPIONATE | QNASL |
| BETAMETHASONE | Celestone |
| BETAMETHASONE ACETATE AND SODIUM PHOSPH/NORFLURANE/HFC 245FA | Betaloan SUIK |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSPHATE | Beta-1 |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSPHATE | Celestone Soluspan |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSPHATE | ReadySharp Betamethasone |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSPHATE | betamethasone acet,sod phos |
| BETAMETHASONE SODIUM PHOSPH IN STERILE WATER FOR INJECTION | betamethasone sod phosph-water |
| BETAMETHASONE SODIUM PHOSPHATE | Adbeon |
| BETAMETHASONE SODIUM PHOSPHATE | betamethasone sodium phosphate |
| BUDESONIDE | budesonide |
| BUDESONIDE | Pulmicort Flexhaler |
| BUDESONIDE | Pulmicort |
| BUDESONIDE | Pulmicort Turbuhaler |
| BUDESONIDE | Rhinocort Aqua |
| BUDESONIDE | Rhinocort Allergy |
| BUDESONIDE | Rhinocort |
| CICLESONIDE | Alvesco |
| CICLESONIDE | Omnaris |
| CICLESONIDE | Zetonna |
| CORTISONE ACETATE | Cortone |
| CORTISONE ACETATE | cortisone |
| DEFLAZACORT | Emflaza |
| DEXAMETHASONE | dexamethasone |
| DEXAMETHASONE | DexPak 10 day |
| DEXAMETHASONE | Dexone |
| DEXAMETHASONE | DexPak 13 Day |
| DEXAMETHASONE | LoCort |
| DEXAMETHASONE | Hexadrol |
| DEXAMETHASONE | ZonaCort |
| DEXAMETHASONE | Decadron |
| DEXAMETHASONE | ZoDex |
| DEXAMETHASONE | Zema-Pak |
| DEXAMETHASONE | TaperDex |
| DEXAMETHASONE | Dexamethasone Intensol |
| DEXAMETHASONE | DexPak 6 Day |
| DEXAMETHASONE | Decadron Dose Pack |
| DEXAMETHASONE | Baycadron |
| DEXAMETHASONE ACETATE | Dalalone D.P. |
| DEXAMETHASONE ACETATE | dexamethasone acetate |
| DEXAMETHASONE ACETATE | Adrenocot LA |
| DEXAMETHASONE ACETATE | Solurex LA |
| DEXAMETHASONE ACETATE | Decaject |
| DEXAMETHASONE ACETATE | Dalalone LA |
| DEXAMETHASONE ACETATE | Dexacen LA-8 |
| DEXAMETHASONE ACETATE | Dexasone LA |
| DEXAMETHASONE ACETATE | De-Sone LA |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| DEXAMETHASONE ACETATE | Dexone LA |
| DEXAMETHASONE PHOSPHATE | Primethasone |
| DEXAMETHASONE SOD PHOSPHATE | dexamethasone sodium phosphate |
| DEXAMETHASONE SOD PHOSPHATE | Solurex |
| DEXAMETHASONE SOD PHOSPHATE | Dexasone 4 |
| DEXAMETHASONE SOD PHOSPHATE | ReadySharp dexamethasone |
| DEXAMETHASONE SOD PHOSPHATE | Cpc-Cort-D |
| DEXAMETHASONE SOD PHOSPHATE | Dalalone |
| DEXAMETHASONE SOD PHOSPHATE | Dexasone 10 |
| DEXAMETHASONE SOD PHOSPHATE | Adrenocot |
| DEXAMETHASONE SODIUM PHOSPHATE IN 0.9 % SODIUM CHLORIDE | dexamethasone in 0.9 % sod chl |
| DEXAMETHASONE SODIUM PHOSPHATE/LIDOCAINE HCL | Lidocidex-I |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | MAS Care-Pak (PF) |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | dexamethasone sodium phos (PF) |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | Active Injection Kit D (PF) |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | DoubleDex (PF) |
| DEXAMETHASONE/PF/NORFLURANE/PENTAFLUOROPROPANE (HFC 245FA) | DMT SUIK |
| FLUDROCORTISONE ACETATE | fludrocortisone |
| FLUDROCORTISONE ACETATE | Florinef |
| FLUNISOLIDE | Aerobid |
| FLUNISOLIDE | Aerospan |
| FLUNISOLIDE | flunisolide |
| FLUNISOLIDE | Nasarel |
| FLUNISOLIDE | Nasalide |
| FLUNISOLIDE/MENTHOL | Aerobid-M |
| FLUTICASONE FUROATE | Arnuity Ellipta |
| FLUTICASONE FUROATE | Veramyst |
| FLUTICASONE FUROATE | Flonase Sensimist |
| FLUTICASONE FUROATE | Children's Flonase Sensimist |
| FLUTICASONE PROPIONATE | Flovent Rotadisk |
| FLUTICASONE PROPIONATE | Flovent HFA |
| FLUTICASONE PROPIONATE | Flovent Diskus |
| FLUTICASONE PROPIONATE | Flovent |
| FLUTICASONE PROPIONATE | ArmonAir RespiClick |
| FLUTICASONE PROPIONATE | ClariSpray |
| FLUTICASONE PROPIONATE | Allergy Relief (fluticasone) |
| FLUTICASONE PROPIONATE | fluticasone |
| FLUTICASONE PROPIONATE | Children's Flonase Allergy Rlf |
| FLUTICASONE PROPIONATE | Aller-Flo |
| FLUTICASONE PROPIONATE | Flonase Allergy Relief |
| FLUTICASONE PROPIONATE | Flonase |
| FLUTICASONE PROPIONATE | 24 Hour Allergy Relief |
| FLUTICASONE PROPIONATE | Childrens 24 Hr Allergy Relief |
| FLUTICASONE PROPIONATE | Xhance |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| FLUTICASONE PROPIONATE/SODIUM CHLORIDE/SODIUM BICARBONATE | Ticaspray |
| FLUTICASONE PROPIONATE/SODIUM CHLORIDE/SODIUM BICARBONATE | Ticanase |
| HYDROCORTISONE | hydrocortisone |
| HYDROCORTISONE | Cortef |
| HYDROCORTISONE | Hydrocortone |
| HYDROCORTISONE | Massengill Towelette,Medicated |
| HYDROCORTISONE ACETATE | hydrocortisone acetate |
| HYDROCORTISONE CYPIONATE | Cortef (as cypionate) |
| HYDROCORTISONE SOD SUCCINATE | Solu-Cortef |
| HYDROCORTISONE SOD SUCCINATE | hydrocortisone sod succinate |
| HYDROCORTISONE SOD SUCCINATE | A-Hydrocort |
| HYDROCORTISONE SODIUM SUCCINATE/PF | Solu-Cortef (PF) |
| METHYLPREDNISOLONE | Medrol |
| METHYLPREDNISOLONE | methylprednisolone |
| METHYLPREDNISOLONE | Medrol (Pak) |
| METHYLPREDNISOLONE | Meprolone Unipak |
| METHYLPREDNISOLONE | Methylpred |
| METHYLPREDNISOLONE ACETATE | methylprednisolone acetate |
| METHYLPREDNISOLONE ACETATE | Depo-Medrol |
| METHYLPREDNISOLONE ACETATE | Rep-Pred 80 |
| METHYLPREDNISOLONE ACETATE | Dep-Medalone 40 |
| METHYLPREDNISOLONE ACETATE | P-Care D40 |
| METHYLPREDNISOLONE ACETATE | P-Care D80 |
| METHYLPREDNISOLONE ACETATE | Depo-Predate |
| METHYLPREDNISOLONE ACETATE | Cpc-Depmed-40 |
| METHYLPREDNISOLONE ACETATE | Depoject-80 |
| METHYLPREDNISOLONE ACETATE | ReadySharp Methylprednisolone |
| METHYLPREDNISOLONE ACETATE | Depopred 40 |
| METHYLPREDNISOLONE ACETATE | Rep-Pred 40 |
| METHYLPREDNISOLONE ACETATE | Methylcotolone |
| METHYLPREDNISOLONE ACETATE | Medralone 80 |
| METHYLPREDNISOLONE ACETATE | Adlone |
| METHYLPREDNISOLONE ACETATE | Medralone 40 |
| METHYLPREDNISOLONE ACETATE | Depoject-40 |
| METHYLPREDNISOLONE ACETATE | Depopred 80 |
| METHYLPREDNISOLONE ACETATE | Cpc-Depmed-80 |
| METHYLPREDNISOLONE ACETATE | Dep-Medalone 80 |
| METHYLPREDNISOLONE ACETATE/BUPIVACAINE HCL | Physicians EZ Use M-Pred |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | P-Care D40G |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | Medroloan SUIK |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | P-Care D80G |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | Medroloan II SUIK |
| METHYLPREDNISOLONE SODIUM SUCCINATE | Solu-Medrol |
| METHYLPREDNISOLONE SODIUM SUCCINATE | methylprednisolone sodium succ |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|-------------------------------|
| METHYLPREDNISOLONE SODIUM SUCCINATE | A-Methapred |
| METHYLPREDNISOLONE SODIUM SUCCINATE/PF | Solu-Medrol (PF) |
| MOMETASONE FUROATE | Asmanex Twisthaler |
| MOMETASONE FUROATE | Asmanex HFA |
| MOMETASONE FUROATE | mometasone |
| MOMETASONE FUROATE | Nasonex |
| MOMETASONE FUROATE | Sinuva |
| PREDNISOLONE | prednisolone |
| PREDNISOLONE | Prelone |
| PREDNISOLONE | Millipred |
| PREDNISOLONE | Millipred DP |
| PREDNISOLONE ACETATE | Key-Pred |
| PREDNISOLONE ACETATE | Cotolone |
| PREDNISOLONE ACETATE | prednisolone acetate |
| PREDNISOLONE ACETATE | Predalone 50 |
| PREDNISOLONE ACETATE | Pri-Cortin 50 |
| PREDNISOLONE ACETATE | UAD Pred |
| PREDNISOLONE ACETATE | Predicort-50 |
| PREDNISOLONE ACETATE | Flo-Pred |
| PREDNISOLONE SOD PHOSPHATE | prednisolone sodium phosphate |
| PREDNISOLONE SOD PHOSPHATE | Orapred |
| PREDNISOLONE SOD PHOSPHATE | Pediapred |
| PREDNISOLONE SOD PHOSPHATE | Orapred ODT |
| PREDNISOLONE SOD PHOSPHATE | Veripred 20 |
| PREDNISOLONE SOD PHOSPHATE | Bubbli-Pred |
| PREDNISOLONE SODIUM PHOSPHATE/PEAK FLOW METER | Asmalpred Plus |
| PREDNISOLONE SODIUM PHOSPHATE/PEAK FLOW METER | Asmalpred |
| PREDNISONE | prednisone |
| PREDNISONE | Deltasone |
| PREDNISONE | Sterapred DS |
| PREDNISONE | Liquid Pred |
| PREDNISONE | Meticorten |
| PREDNISONE | Rayos |
| PREDNISONE | Sterapred |
| PREDNISONE | Deltasone Dose Pack |
| PREDNISONE | Prednisone Intensol |
| TRIAMCINOLONE | Aristocort |
| TRIAMCINOLONE | Aristo-Pak |
| TRIAMCINOLONE | triamcinolone |
| TRIAMCINOLONE ACETONIDE | Azmacort |
| TRIAMCINOLONE ACETONIDE | Pro-C-Dure 6 |
| TRIAMCINOLONE ACETONIDE | triamcinolone acetonide |
| TRIAMCINOLONE ACETONIDE | Kenalog |
| TRIAMCINOLONE ACETONIDE | Kenaject |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|-----------------------------|
| TRIAMCINOLONE ACETONIDE | Tri-Kort |
| TRIAMCINOLONE ACETONIDE | Triam-A |
| TRIAMCINOLONE ACETONIDE | Arze-Ject-A |
| TRIAMCINOLONE ACETONIDE | ReadySharp Triamcinolone |
| TRIAMCINOLONE ACETONIDE | Cinonide 40 |
| TRIAMCINOLONE ACETONIDE | P-Care K80 |
| TRIAMCINOLONE ACETONIDE | Triamonide 40 |
| TRIAMCINOLONE ACETONIDE | Pro-C-Dure 5 |
| TRIAMCINOLONE ACETONIDE | Pod-Care 100K |
| TRIAMCINOLONE ACETONIDE | Acetocot |
| TRIAMCINOLONE ACETONIDE | Tac-3 |
| TRIAMCINOLONE ACETONIDE | P-Care K40 |
| TRIAMCINOLONE ACETONIDE | Cenocort A-40 |
| TRIAMCINOLONE ACETONIDE | Zilretta |
| TRIAMCINOLONE ACETONIDE | Nasacort AQ |
| TRIAMCINOLONE ACETONIDE | Nasacort |
| TRIAMCINOLONE ACETONIDE | Nasal Allergy |
| TRIAMCINOLONE ACETONIDE | Children's Nasacort |
| TRIAMCINOLONE ACETONIDE | Tri-Nasal |
| TRIAMCINOLONE ACETONIDE/LIDOCAINE HCL | EZ Use Joint-Tunnel-Trigger |
| TRIAMCINOLONE ACETONIDE/LIDOCAINE HCL | Lidocilone I |
| TRIAMCINOLONE ACETONIDE/LIDOCAINE/PRILOCAINE | DermacinRx Cinlone-I CPI |
| TRIAMCINOLONE DIACETATE | Triamcot |
| TRIAMCINOLONE DIACETATE | Amcort |
| TRIAMCINOLONE DIACETATE | Aristocort Forte |
| TRIAMCINOLONE DIACETATE | Aristocort Intralesional |
| TRIAMCINOLONE DIACETATE | U-Tri-Lone |
| TRIAMCINOLONE DIACETATE | Cinalone 40 |
| TRIAMCINOLONE DIACETATE | triamcinolone diacetate |
| TRIAMCINOLONE DIACETATE | Tristoject |
| TRIAMCINOLONE DIACETATE | Cenocort Forte Suspension |
| TRIAMCINOLONE DIACETATE | Triam Forte |
| TRIAMCINOLONE HEXACETONIDE | Aristospan Intralesional |
| TRIAMCINOLONE HEXACETONIDE | Aristospan Intra-Articular |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | Triloan II SUIK |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | Triloan SUIK |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | Pod-Care 100KG |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | P-Care K40G |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | P-Care K80G |
| Cyclosporine | |
| CYCLOSPORINE | Sandimmune |
| CYCLOSPORINE | cyclosporine |
| CYCLOSPORINE, MODIFIED | cyclosporine modified |
| CYCLOSPORINE, MODIFIED | Neoral |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|------------------------------|
| CYCLOSPORINE, MODIFIED | Gengraf |
| CYCLOSPORINE, MODIFIED | SangCya |
| Loop Diuretics | |
| BUMETANIDE | bumetanide |
| BUMETANIDE | Bumex |
| ETHACRYNATE SODIUM | ethacrynate sodium |
| ETHACRYNATE SODIUM | Sodium Edecrin |
| ETHACRYNIC ACID | ethacrynic acid |
| ETHACRYNIC ACID | Edecrin |
| FUROSEMIDE | furosemide |
| FUROSEMIDE | Lasix |
| FUROSEMIDE IN 0.9 % SODIUM CHLORIDE | furosemide in 0.9 % NaCl |
| FUROSEMIDE/DEXTROSE 5 % IN WATER | furosemide in dextrose 5 % |
| TORSEMIDE | torsemide |
| TORSEMIDE | Demadex |
| Leuprolide Acetate | |
| LEUPROLIDE ACETATE | Lupron Depot-Ped |
| LEUPROLIDE ACETATE | Lupron Depot-Ped (3 month) |
| Medroxyprogesterone | |
| ESTRADIOL CYPIONATE/MEDROXYPROGESTERONE ACETATE | medroxyprogest-estradiol cyp |
| ESTRADIOL CYPIONATE/MEDROXYPROGESTERONE ACETATE | Lunelle |
| ESTROGENS, CONJUGATED/MEDROXYPROGESTERONE ACETATE | Premphase |
| ESTROGENS, CONJUGATED/MEDROXYPROGESTERONE ACETATE | Prempro |
| MEDROXYPROGESTERONE ACETATE | Depo-Provera |
| MEDROXYPROGESTERONE ACETATE | medroxyprogesterone |
| MEDROXYPROGESTERONE ACETATE | Depo-SubQ provera 104 |
| MEDROXYPROGESTERONE ACETATE | Cycrin |
| MEDROXYPROGESTERONE ACETATE | Provera |
| MEDROXYPROGESTERONE ACETATE | Amen |
| Nitrates | |
| AMYL NITRITE | amyl nitrite |
| ISOSORBIDE DINITRATE | Isordil |
| ISOSORBIDE DINITRATE | isosorbide dinitrate |
| ISOSORBIDE DINITRATE | Isordil Titradose |
| ISOSORBIDE DINITRATE | Sorbitrate |
| ISOSORBIDE DINITRATE | IsoDitrates |
| ISOSORBIDE DINITRATE | Dilatrate-SR |
| ISOSORBIDE DINITRATE | ISOCHRON |
| ISOSORBIDE MONONITRATE | isosorbide mononitrate |
| ISOSORBIDE MONONITRATE | Ismo |
| ISOSORBIDE MONONITRATE | Imdur |
| ISOSORBIDE MONONITRATE | Monoket |
| ISOSORBIDE MONONITRATE | Isotrate ER |
| NITROGLYCERIN | nitroglycerin |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| NITROGLYCERIN | Nitro-Bid |
| NITROGLYCERIN | Transderm-Nitro |
| NITROGLYCERIN | NitroTab |
| NITROGLYCERIN | Nitrolingual |
| NITROGLYCERIN | NitroQuick |
| NITROGLYCERIN | Tridil |
| NITROGLYCERIN | Nitro-Time |
| NITROGLYCERIN | GoNitro |
| NITROGLYCERIN | Nitromist |
| NITROGLYCERIN | Nitrostat |
| NITROGLYCERIN | Nitro-Dur |
| NITROGLYCERIN | Deponit |
| NITROGLYCERIN | Nitrek |
| NITROGLYCERIN | Minitran |
| NITROGLYCERIN | Nitrol |
| NITROGLYCERIN | Nitrodisc |
| NITROGLYCERIN | Transdermal-NTG |
| NITROGLYCERIN | Nitroglyn |
| NITROGLYCERIN | Nitrogard |
| NITROGLYCERIN | Nitronal |
| NITROGLYCERIN | Nitro-Trans System |
| NITROGLYCERIN | Nitrocot SA |
| NITROGLYCERIN IN 5 % DEXTROSE IN WATER | nitroglycerin in 5 % dextrose |
| Proton Pump Inhibitors | |
| ASPIRIN/OMEPRAZOLE | Yosprala |
| DEXLANSOPRAZOLE | Dexilant |
| DEXLANSOPRAZOLE | Kapidex |
| ESOMEPRAZOLE MAGNESIUM | esomeprazole magnesium |
| ESOMEPRAZOLE MAGNESIUM | Nexium |
| ESOMEPRAZOLE MAGNESIUM | Nexium 24HR |
| ESOMEPRAZOLE MAGNESIUM | Nexium Packet |
| ESOMEPRAZOLE SODIUM | esomeprazole sodium |
| ESOMEPRAZOLE SODIUM | Nexium IV |
| ESOMEPRAZOLE STRONTIUM | esomeprazole strontium |
| LANSOPRAZOLE | lansoprazole |
| LANSOPRAZOLE | Prevacid |
| LANSOPRAZOLE | Prevacid SoluTab |
| LANSOPRAZOLE | Heartburn Treatment 24 Hour |
| LANSOPRAZOLE | FIRST-Lansoprazole |
| LANSOPRAZOLE | Prevacid 24Hr |
| LANSOPRAZOLE | Heartburn Relief 24 Hour |
| LANSOPRAZOLE | Prevacid IV |
| LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN | amoxicil-clarithromy-lansopraz |
| LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN | Prevpac |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|-------------------------------|
| LANSOPRAZOLE/NAPROXEN | PREVACID NapraPAC |
| NAPROXEN/ESOMEPRAZOLE MAGNESIUM | Vimovo |
| OMEPRAZOLE | omeprazole |
| OMEPRAZOLE | Prilosec |
| OMEPRAZOLE | Omeprazole+SyrSpend SF Alka |
| OMEPRAZOLE | FIRST-Omeprazole |
| OMEPRAZOLE MAGNESIUM | omeprazole magnesium |
| OMEPRAZOLE MAGNESIUM | Acid Reducer (omeprazole) |
| OMEPRAZOLE MAGNESIUM | Prilosec OTC |
| OMEPRAZOLE/CLARITHROMYCIN/AMOXICILLIN TRIHYDRATE | Omeclamox-Pak |
| OMEPRAZOLE/SODIUM BICARBONATE | Zegerid OTC |
| OMEPRAZOLE/SODIUM BICARBONATE | Zegerid |
| OMEPRAZOLE/SODIUM BICARBONATE | omeprazole-sodium bicarbonate |
| OMEPRAZOLE/SODIUM BICARBONATE | OmePPi |
| PANTOPRAZOLE SODIUM | pantoprazole |
| PANTOPRAZOLE SODIUM | Protonix |
| RABEPRAZOLE SODIUM | Aciphex |
| RABEPRAZOLE SODIUM | AcipHex Sprinkle |
| RABEPRAZOLE SODIUM | rabeprazole |
| Short-Acting Gonadotropin-Releasing Hormone (GnRH) Agonists | |
| gonadorelin acetate | Lutrepulse |
| histrelin acetate | Supprelin |
| leuprolide acetate | leuprolide |
| leuprolide acetate | Lupron |
| nafarelin acetate | Synarel |
| Statins | |
| AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM | amlodipine-atorvastatin |
| AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM | Caduet |
| ASPIRIN (CALCIUM CARB & MAGNESIUM BUFFERS)/PRAVASTATIN | PRAVIGARD PAC |
| ATORVASTATIN CALCIUM | atorvastatin |
| ATORVASTATIN CALCIUM | Lipitor |
| CERIVASTATIN SODIUM | Baycol |
| EZETIMIBE/ATORVASTATIN CALCIUM | Liptruzet |
| EZETIMIBE/SIMVASTATIN | ezetimibe-simvastatin |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-80 |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-10 |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-20 |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-40 |
| FLUVASTATIN SODIUM | Lescol |
| FLUVASTATIN SODIUM | Lescol XL |
| FLUVASTATIN SODIUM | fluvastatin |
| LOVASTATIN | Mevacor |
| LOVASTATIN | lovastatin |
| LOVASTATIN | Altoprev |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| LOVASTATIN | Altacor |
| NIACIN/LOVASTATIN | Advicor |
| NIACIN/SIMVASTATIN | Simcor |
| PITAVASTATIN CALCIUM | Livalo |
| PRAVASTATIN SODIUM | pravastatin |
| PRAVASTATIN SODIUM | Pravachol |
| ROSUVASTATIN CALCIUM | Crestor |
| ROSUVASTATIN CALCIUM | rosuvastatin |
| SIMVASTATIN | simvastatin |
| SIMVASTATIN | Zocor |
| SIMVASTATIN | FloLipid |
| SITAGLIPTIN PHOSPHATE/SIMVASTATIN | Juvisync |
| Thiazide Diuretics | |
| ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE | Amturnide |
| ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE | Tekturna HCT |
| AMILORIDE HCL/HYDROCHLOROTHIAZIDE | amiloride-hydrochlorothiazide |
| AMILORIDE HCL/HYDROCHLOROTHIAZIDE | Moduretic |
| AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE | amlodipine-valsartan-hcthiazid |
| AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE | Exforge HCT |
| ATENOLOL/CHLORTHALIDONE | atenolol-chlorthalidone |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 50 |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 100 |
| BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE | Lotensin HCT |
| BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE | benazepril-hydrochlorothiazide |
| BENDROFLUMETHIAZIDE | Naturetin |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | Ziac |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | bisoprolol-hydrochlorothiazide |
| CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE | candesartan-hydrochlorothiazid |
| CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE | Atacand HCT |
| CAPTOPRIL/HYDROCHLOROTHIAZIDE | captopril-hydrochlorothiazide |
| CAPTOPRIL/HYDROCHLOROTHIAZIDE | Capozide |
| CHLOROTHIAZIDE | chlorothiazide |
| CHLOROTHIAZIDE | Diuril |
| CHLOROTHIAZIDE SODIUM | chlorothiazide sodium |
| CHLOROTHIAZIDE SODIUM | Diuril IV |
| CHLORTHALIDONE | chlorthalidone |
| CHLORTHALIDONE | Thalitone |
| CHLORTHALIDONE | Hygroton |
| CLONIDINE HCL/CHLORTHALIDONE | Clorpres |
| CLONIDINE HCL/CHLORTHALIDONE | clonidine-chlorthalidone |
| CLONIDINE HCL/CHLORTHALIDONE | Combipres-1 |
| CLONIDINE HCL/CHLORTHALIDONE | Combipres-2 |
| DESERPIDINE/METHYCLOTHIAZIDE | Enduronyl Forte |
| DESERPIDINE/METHYCLOTHIAZIDE | Enduronyl |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE | enalapril-hydrochlorothiazide |
| ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE | Vaseretic |
| EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE | Teveten HCT |
| FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE | fosinopril-hydrochlorothiazide |
| FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE | Monopril HCT |
| GUANETHIDINE SULFATE/HYDROCHLOROTHIAZIDE | Esimil |
| HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE | hydralazine-hydrochlorothiazid |
| HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE | Hydra-Zide |
| HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE | Apresazide |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | hydralazine-reserpin-hcthiazi |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Cam-Ap-Es |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Ser-A-Gen |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Tri-Hydroserpine |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Uni-Serp |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Serpazide |
| HYDROCHLOROTHIAZIDE | hydrochlorothiazide |
| HYDROCHLOROTHIAZIDE | Oretic |
| HYDROCHLOROTHIAZIDE | HydroDiuril |
| HYDROCHLOROTHIAZIDE | Microzide |
| HYDROCHLOROTHIAZIDE | Carozide |
| HYDROCHLOROTHIAZIDE | Aquazide-H |
| HYDROCHLOROTHIAZIDE | Esidrix |
| HYDROFLUMETHIAZIDE | Diucardin |
| HYDROFLUMETHIAZIDE | Saluron |
| INDAPAMIDE | indapamide |
| INDAPAMIDE | Lozol |
| IRBESARTAN/HYDROCHLOROTHIAZIDE | irbesartan-hydrochlorothiazide |
| IRBESARTAN/HYDROCHLOROTHIAZIDE | Avalide |
| LISINOPRIL/HYDROCHLOROTHIAZIDE | lisinopril-hydrochlorothiazide |
| LISINOPRIL/HYDROCHLOROTHIAZIDE | Zestoretic |
| LISINOPRIL/HYDROCHLOROTHIAZIDE | Prinzide |
| LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE | losartan-hydrochlorothiazide |
| LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE | Hyzaar |
| METHYLCLOTHIAZIDE | methyclothiazide |
| METHYLCLOTHIAZIDE | Enduron |
| METHYLCLOTHIAZIDE | Aquatensen |
| METHYLDOPA/CHLOROTHIAZIDE | Aldoclor |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | methyldopa-hydrochlorothiazide |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril-25 |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril-15 |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril D30 |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril D50 |
| METOLAZONE | metolazone |
| METOLAZONE | Zaroxolyn |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| METOLAZONE | Mykrox |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | Dutoprol |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | metoprolol su-hydrochlorothiaz |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | metoprolol ta-hydrochlorothiaz |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | Lopressor HCT |
| MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE | Uniretic |
| MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE | moexipril-hydrochlorothiazide |
| NADOLOL/BENDROFLUMETHIAZIDE | Corzide |
| NADOLOL/BENDROFLUMETHIAZIDE | nadolol-bendroflumethiazide |
| OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE | olmesartan-amlodipin-hcthiazid |
| OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE | Tribenzor |
| OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE | olmesartan-hydrochlorothiazide |
| OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE | Benicar HCT |
| POLYTHIAZIDE | Renese |
| PRAZOSIN HCL/POLYTHIAZIDE | Minizide |
| PRAZOSIN HCL/POLYTHIAZIDE | Minizide 2 |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | propranolol-hydrochlorothiazid |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide LA |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide |
| QUINAPRIL HCL/HYDROCHLOROTHIAZIDE | quinapril-hydrochlorothiazide |
| QUINAPRIL HCL/HYDROCHLOROTHIAZIDE | Accuretic |
| QUINAPRIL HCL/HYDROCHLOROTHIAZIDE | Quinaretic |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | Rondameth |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | Rauzide |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | bendroflumethiazide-rauwolfia |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | Flumezide |
| RESERPINE/HYDROCHLOROTHIAZIDE | reserpine-hydrochlorothiazide |
| RESERPINE/HYDROCHLOROTHIAZIDE | Hydro-Reserp |
| RESERPINE/HYDROFLUMETHIAZIDE | Salutensin-Demi |
| RESERPINE/HYDROFLUMETHIAZIDE | Salutensin |
| RESERPINE/METHYCLOTHIAZIDE | Diutensen-R |
| RESERPINE/POLYTHIAZIDE | Renese-R |
| SPIRONOLACTONE/HYDROCHLOROTHIAZIDE | spironolacton-hydrochlorothiaz |
| SPIRONOLACTONE/HYDROCHLOROTHIAZIDE | Aldactazide |
| TELMISARTAN/HYDROCHLOROTHIAZIDE | Micardis HCT |
| TELMISARTAN/HYDROCHLOROTHIAZIDE | telmisartan-hydrochlorothiazid |
| TIMOLOL MALEATE/HYDROCHLOROTHIAZIDE | Timolide |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | triamterene-hydrochlorothiazid |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | Dyazide |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | Maxzide-25mg |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | Maxzide |
| TRICHLORMETHIAZIDE | trichlormethiazide |
| TRICHLORMETHIAZIDE | Aquazide |
| TRICHLORMETHIAZIDE | Naqua |

Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exclusion Criteria in this Request

| Generic Name | Brand Name |
|-------------------------------|-------------------------------|
| VALSARTAN/HYDROCHLOROTHIAZIDE | valsartan-hydrochlorothiazide |
| VALSARTAN/HYDROCHLOROTHIAZIDE | Diovan HCT |

Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Episode Censoring Criteria in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 70450 | Computed tomography, head or brain; without contrast material | Procedure | CPT-4 |
| 70460 | Computed tomography, head or brain; with contrast material(s) | Procedure | CPT-4 |
| 70470 | Computed tomography, head or brain; without contrast material, followed by contrast material(s) and further sections | Procedure | CPT-4 |
| 70480 | Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material | Procedure | CPT-4 |
| 70481 | Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; with contrast material(s) | Procedure | CPT-4 |
| 70482 | Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material, followed by contrast material(s) and further sections | Procedure | CPT-4 |
| 70486 | Computed tomography, maxillofacial area; without contrast material | Procedure | CPT-4 |
| 70487 | Computed tomography, maxillofacial area; with contrast material(s) | Procedure | CPT-4 |
| 70488 | Computed tomography, maxillofacial area; without contrast material, followed by contrast material(s) and further sections | Procedure | CPT-4 |

Appendix G. List of Generic and Brand Names of Medical Products Used to Define Episode Censoring Criteria in this Request

| Generic Name | Brand Name |
|--|----------------------------|
| Non-Leuprolide Acetate Long-Acting Gonadotropin-Releasing Hormone (GnRH) Agonists | |
| goserelin acetate | Zoladex |
| histrelin acetate | Supprelin LA |
| histrelin acetate | Vantas |
| triptorelin pamoate | Trelstar |
| triptorelin pamoate | Trelstar Depot |
| triptorelin pamoate | Trelstar LA |
| triptorelin pamoate | Triptodur |
| Long-Acting GnRH Agonists | |
| goserelin acetate | Zoladex |
| histrelin acetate | Supprelin LA |
| histrelin acetate | Vantas |
| leuprolide acetate | Eligard |
| leuprolide acetate | Eligard (3 month) |
| leuprolide acetate | Eligard (4 month) |
| leuprolide acetate | Eligard (6 month) |
| leuprolide acetate | Lupron Depot |
| leuprolide acetate | Lupron Depot (3 month) |
| leuprolide acetate | Lupron Depot (4 month) |
| leuprolide acetate | Lupron Depot (6 Month) |
| leuprolide acetate | Lupron Depot-Ped |
| leuprolide acetate | Lupron Depot-Ped (3 month) |
| leuprolide acetate/lidocaine HCl | Viadur |
| leuprolide acetate/norethindrone acetate | Lupaneta Pack (1 month) |
| leuprolide acetate/norethindrone acetate | Lupaneta Pack (3 month) |
| triptorelin pamoate | Trelstar |
| triptorelin pamoate | Trelstar Depot |
| triptorelin pamoate | Trelstar LA |
| triptorelin pamoate | Triptodur |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|--------------------------------|--|---------------|-----------|
| Primary: Major Fracture | | | |
| Humerus Fracture | | | |
| 733.11 | Pathologic fracture of humerus | Diagnosis | ICD-9-CM |
| 812 | Fracture of humerus | Diagnosis | ICD-9-CM |
| 812.0 | Closed fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.00 | Closed fracture of unspecified part of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.01 | Closed fracture of surgical neck of humerus | Diagnosis | ICD-9-CM |
| 812.02 | Closed fracture of anatomical neck of humerus | Diagnosis | ICD-9-CM |
| 812.03 | Closed fracture of greater tuberosity of humerus | Diagnosis | ICD-9-CM |
| 812.09 | Other closed fractures of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.1 | Open fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.10 | Open fracture of unspecified part of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.11 | Open fracture of surgical neck of humerus | Diagnosis | ICD-9-CM |
| 812.12 | Open fracture of anatomical neck of humerus | Diagnosis | ICD-9-CM |
| 812.13 | Open fracture of greater tuberosity of humerus | Diagnosis | ICD-9-CM |
| 812.19 | Other open fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.2 | Closed fracture of shaft or unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.20 | Closed fracture of unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.21 | Closed fracture of shaft of humerus | Diagnosis | ICD-9-CM |
| 812.3 | Open fracture of shaft or unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.30 | Open fracture of unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.31 | Open fracture of shaft of humerus | Diagnosis | ICD-9-CM |
| 812.4 | Closed fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.40 | Closed fracture of unspecified part of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.41 | Closed fracture of supracondylar humerus | Diagnosis | ICD-9-CM |
| 812.42 | Closed fracture of lateral condyle of humerus | Diagnosis | ICD-9-CM |
| 812.43 | Closed fracture of medial condyle of humerus | Diagnosis | ICD-9-CM |
| 812.44 | Closed fracture of unspecified condyle(s) of humerus | Diagnosis | ICD-9-CM |
| 812.49 | Other closed fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.5 | Open fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.50 | Open fracture of unspecified part of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.51 | Open fracture of supracondylar humerus | Diagnosis | ICD-9-CM |
| 812.52 | Open fracture of lateral condyle of humerus | Diagnosis | ICD-9-CM |
| 812.53 | Open fracture of medial condyle of humerus | Diagnosis | ICD-9-CM |
| 812.54 | Open fracture of unspecified condyle(s) of humerus | Diagnosis | ICD-9-CM |
| 812.59 | Other open fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| M80.021A | Age-related osteoporosis with current pathological fracture, right humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.022A | Age-related osteoporosis with current pathological fracture, left humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| M80.029A | Age-related osteoporosis with current pathological fracture, unspecified humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.821A | Other osteoporosis with current pathological fracture, right humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.822A | Other osteoporosis with current pathological fracture, left humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.829A | Other osteoporosis with current pathological fracture, unspecified humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.421A | Pathological fracture, right humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.422A | Pathological fracture, left humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.429A | Pathological fracture, unspecified humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.521A | Pathological fracture in neoplastic disease, right humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.522A | Pathological fracture in neoplastic disease, left humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.529A | Pathological fracture in neoplastic disease, unspecified humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.621A | Pathological fracture in other disease, right humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.622A | Pathological fracture in other disease, left humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.629A | Pathological fracture in other disease, unspecified humerus, initial encounter for fracture | Diagnosis | ICD-10-CM |
| S42.201A | Unspecified fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.201B | Unspecified fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.202A | Unspecified fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.202B | Unspecified fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.209A | Unspecified fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.209B | Unspecified fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.211A | Unspecified displaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.211B | Unspecified displaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.212A | Unspecified displaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.212B | Unspecified displaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.213A | Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.213B | Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.214A | Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.214B | Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.215A | Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.215B | Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.216A | Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.216B | Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.221A | 2-part displaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.221B | 2-part displaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.222A | 2-part displaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.222B | 2-part displaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.223A | 2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.223B | 2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.224A | 2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.224B | 2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.225A | 2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.225B | 2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.226A | 2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.226B | 2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.231A | 3-part fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.231B | 3-part fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.232A | 3-part fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.232B | 3-part fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.239A | 3-part fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.239B | 3-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.241A | 4-part fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.241B | 4-part fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.242A | 4-part fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.242B | 4-part fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.249A | 4-part fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.249B | 4-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.251A | Displaced fracture of greater tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.251B | Displaced fracture of greater tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.252A | Displaced fracture of greater tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.252B | Displaced fracture of greater tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.253A | Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.253B | Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.254A | Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.254B | Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.255A | Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.255B | Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.256A | Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.256B | Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.261A | Displaced fracture of lesser tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.261B | Displaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.262A | Displaced fracture of lesser tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.262B | Displaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.263A | Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.263B | Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.264A | Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.264B | Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.265A | Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.265B | Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.266A | Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.266B | Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.271A | Torus fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.272A | Torus fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.279A | Torus fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.291A | Other displaced fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.291B | Other displaced fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.292A | Other displaced fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.292B | Other displaced fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.293A | Other displaced fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.293B | Other displaced fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.294A | Other nondisplaced fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.294B | Other nondisplaced fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.295A | Other nondisplaced fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.295B | Other nondisplaced fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.296A | Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.296B | Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.301A | Unspecified fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.301B | Unspecified fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.302A | Unspecified fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.302B | Unspecified fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.309A | Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.309B | Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.311A | Greenstick fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.312A | Greenstick fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.319A | Greenstick fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.321A | Displaced transverse fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.321B | Displaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.322A | Displaced transverse fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.322B | Displaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.323A | Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.323B | Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.324A | Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.324B | Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.325A | Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.325B | Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.326A | Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.326B | Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.331A | Displaced oblique fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.331B | Displaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.332A | Displaced oblique fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.332B | Displaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.333A | Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.333B | Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.334A | Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.334B | Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.335A | Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.335B | Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.336A | Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.336B | Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.341A | Displaced spiral fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.341B | Displaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.342A | Displaced spiral fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.342B | Displaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.343A | Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.343B | Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.344A | Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.344B | Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.345A | Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.345B | Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.346A | Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.346B | Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.351A | Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.351B | Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.352A | Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.352B | Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.353A | Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.353B | Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.354A | Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.354B | Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.355A | Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.355B | Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.356A | Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.356B | Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.361A | Displaced segmental fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.361B | Displaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.362A | Displaced segmental fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.362B | Displaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.363A | Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.363B | Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.364A | Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.364B | Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.365A | Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.365B | Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.366A | Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.366B | Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.391A | Other fracture of shaft of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.391B | Other fracture of shaft of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.392A | Other fracture of shaft of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.392B | Other fracture of shaft of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.399A | Other fracture of shaft of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.399B | Other fracture of shaft of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.401A | Unspecified fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.401B | Unspecified fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.402A | Unspecified fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.402B | Unspecified fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.409A | Unspecified fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.409B | Unspecified fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.411A | Displaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.411B | Displaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.412A | Displaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.412B | Displaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.413A | Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.413B | Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.414A | Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.414B | Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.415A | Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.415B | Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.416A | Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.416B | Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.421A | Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.421B | Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.422A | Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.422B | Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.423A | Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.423B | Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.424A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.424B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.425A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.425B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.426A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.426B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.431A | Displaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.431B | Displaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.432A | Displaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.432B | Displaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.433A | Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.433B | Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.434A | Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.434B | Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.435A | Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.435B | Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.436A | Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.436B | Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.441A | Displaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.441B | Displaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.442A | Displaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.442B | Displaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.443A | Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.443B | Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.444A | Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.444B | Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.445A | Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.445B | Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.446A | Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.446B | Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.447A | Incarcerated fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.447B | Incarcerated fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.448A | Incarcerated fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.448B | Incarcerated fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.449A | Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.449B | Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.451A | Displaced fracture of lateral condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.451B | Displaced fracture of lateral condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.452A | Displaced fracture of lateral condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.452B | Displaced fracture of lateral condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.453A | Displaced fracture of lateral condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.453B | Displaced fracture of lateral condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.454A | Nondisplaced fracture of lateral condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.454B | Nondisplaced fracture of lateral condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.455A | Nondisplaced fracture of lateral condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.455B | Nondisplaced fracture of lateral condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.456A | Nondisplaced fracture of lateral condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.456B | Nondisplaced fracture of lateral condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.461A | Displaced fracture of medial condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.461B | Displaced fracture of medial condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.462A | Displaced fracture of medial condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.462B | Displaced fracture of medial condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.463A | Displaced fracture of medial condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.463B | Displaced fracture of medial condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.464A | Nondisplaced fracture of medial condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.464B | Nondisplaced fracture of medial condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.465A | Nondisplaced fracture of medial condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.465B | Nondisplaced fracture of medial condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.466A | Nondisplaced fracture of medial condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.466B | Nondisplaced fracture of medial condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.471A | Displaced transcondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.471B | Displaced transcondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.472A | Displaced transcondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.472B | Displaced transcondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.473A | Displaced transcondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.473B | Displaced transcondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.474A | Nondisplaced transcondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.474B | Nondisplaced transcondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.475A | Nondisplaced transcondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.475B | Nondisplaced transcondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.476A | Nondisplaced transcondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.476B | Nondisplaced transcondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.481A | Torus fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.482A | Torus fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.489A | Torus fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.491A | Other displaced fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.491B | Other displaced fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.492A | Other displaced fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.492B | Other displaced fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.493A | Other displaced fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.493B | Other displaced fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.494A | Other nondisplaced fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.494B | Other nondisplaced fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.495A | Other nondisplaced fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.495B | Other nondisplaced fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.496A | Other nondisplaced fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.496B | Other nondisplaced fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.90XA | Fracture of unspecified shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.90XB | Fracture of unspecified shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.91XA | Fracture of right shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.91XB | Fracture of right shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.92XA | Fracture of left shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.92XB | Fracture of left shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S49.001A | Unspecified physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.002A | Unspecified physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.009A | Unspecified physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.011A | Salter-Harris Type I physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.012A | Salter-Harris Type I physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.019A | Salter-Harris Type I physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.021A | Salter-Harris Type II physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.022A | Salter-Harris Type II physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.029A | Salter-Harris Type II physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.031A | Salter-Harris Type III physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.032A | Salter-Harris Type III physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.039A | Salter-Harris Type III physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.041A | Salter-Harris Type IV physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.042A | Salter-Harris Type IV physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.049A | Salter-Harris Type IV physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.091A | Other physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.092A | Other physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S49.099A | Other physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.101A | Unspecified physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.102A | Unspecified physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.109A | Unspecified physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.111A | Salter-Harris Type I physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.112A | Salter-Harris Type I physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.119A | Salter-Harris Type I physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.121A | Salter-Harris Type II physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.122A | Salter-Harris Type II physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.129A | Salter-Harris Type II physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.131A | Salter-Harris Type III physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.132A | Salter-Harris Type III physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.139A | Salter-Harris Type III physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.141A | Salter-Harris Type IV physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.142A | Salter-Harris Type IV physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.149A | Salter-Harris Type IV physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.191A | Other physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.192A | Other physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.199A | Other physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| 78.52 | Internal fixation of humerus without fracture reduction | Procedure | ICD-9-CM |
| 79.01 | Closed reduction of fracture of humerus without internal fixation | Procedure | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 79.11 | Closed reduction of fracture of humerus with internal fixation | Procedure | ICD-9-CM |
| 79.21 | Open reduction of fracture of humerus without internal fixation | Procedure | ICD-9-CM |
| 79.31 | Open reduction of fracture of humerus with internal fixation | Procedure | ICD-9-CM |
| 79.61 | Debridement of open fracture of humerus | Procedure | ICD-9-CM |
| 0PBC0ZZ | Excision of Right Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| 0PBD0ZZ | Excision of Left Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| 0PBF0ZZ | Excision of Right Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0PBG0ZZ | Excision of Left Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0PHC04Z | Insertion of Internal Fixation Device into Right Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| 0PHC06Z | Insertion of Intramedullary Internal Fixation Device into Right Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| 0PHC34Z | Insertion of Internal Fixation Device into Right Humeral Head, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0PHC36Z | Insertion of Intramedullary Internal Fixation Device into Right Humeral Head, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0PHC44Z | Insertion of Internal Fixation Device into Right Humeral Head, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0PHC46Z | Insertion of Intramedullary Internal Fixation Device into Right Humeral Head, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0PHD04Z | Insertion of Internal Fixation Device into Left Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| 0PHD06Z | Insertion of Intramedullary Internal Fixation Device into Left Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| 0PHD34Z | Insertion of Internal Fixation Device into Left Humeral Head, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0PHD36Z | Insertion of Intramedullary Internal Fixation Device into Left Humeral Head, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0PHD44Z | Insertion of Internal Fixation Device into Left Humeral Head, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0PHD46Z | Insertion of Intramedullary Internal Fixation Device into Left Humeral Head, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0PHF04Z | Insertion of Internal Fixation Device into Right Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0PHF06Z | Insertion of Intramedullary Internal Fixation Device into Right Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0PHF34Z | Insertion of Internal Fixation Device into Right Humeral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0PHF36Z | Insertion of Intramedullary Internal Fixation Device into Right Humeral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OPHF44Z | Insertion of Internal Fixation Device into Right Humeral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHF46Z | Insertion of Intramedullary Internal Fixation Device into Right Humeral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHG04Z | Insertion of Internal Fixation Device into Left Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| OPHG06Z | Insertion of Intramedullary Internal Fixation Device into Left Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| OPHG34Z | Insertion of Internal Fixation Device into Left Humeral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHG36Z | Insertion of Intramedullary Internal Fixation Device into Left Humeral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHG44Z | Insertion of Internal Fixation Device into Left Humeral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHG46Z | Insertion of Intramedullary Internal Fixation Device into Left Humeral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC04Z | Reposition Right Humeral Head with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSC05Z | Reposition Right Humeral Head with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSC06Z | Reposition Right Humeral Head with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSC0BZ | Reposition Right Humeral Head with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSC0CZ | Reposition Right Humeral Head with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSC0DZ | Reposition Right Humeral Head with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSC0ZZ | Reposition Right Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| OPSC34Z | Reposition Right Humeral Head with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSC35Z | Reposition Right Humeral Head with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSC36Z | Reposition Right Humeral Head with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSC3BZ | Reposition Right Humeral Head with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSC3CZ | Reposition Right Humeral Head with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSC3DZ | Reposition Right Humeral Head with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| OPSC3ZZ | Reposition Right Humeral Head, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSC44Z | Reposition Right Humeral Head with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC45Z | Reposition Right Humeral Head with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC46Z | Reposition Right Humeral Head with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC4BZ | Reposition Right Humeral Head with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC4CZ | Reposition Right Humeral Head with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC4DZ | Reposition Right Humeral Head with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSC4ZZ | Reposition Right Humeral Head, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSCXZZ | Reposition Right Humeral Head, External Approach | Procedure | ICD-10-PCS |
| OPSD04Z | Reposition Left Humeral Head with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSD05Z | Reposition Left Humeral Head with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSD06Z | Reposition Left Humeral Head with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSD0BZ | Reposition Left Humeral Head with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSD0CZ | Reposition Left Humeral Head with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSD0DZ | Reposition Left Humeral Head with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSD0ZZ | Reposition Left Humeral Head, Open Approach | Procedure | ICD-10-PCS |
| OPSD34Z | Reposition Left Humeral Head with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSD35Z | Reposition Left Humeral Head with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSD36Z | Reposition Left Humeral Head with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSD3BZ | Reposition Left Humeral Head with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSD3CZ | Reposition Left Humeral Head with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSD3DZ | Reposition Left Humeral Head with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSD3ZZ | Reposition Left Humeral Head, Percutaneous Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OPSD44Z | Reposition Left Humeral Head with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSD45Z | Reposition Left Humeral Head with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSD46Z | Reposition Left Humeral Head with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSD4BZ | Reposition Left Humeral Head with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSD4CZ | Reposition Left Humeral Head with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSD4DZ | Reposition Left Humeral Head with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSD4ZZ | Reposition Left Humeral Head, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSDXZZ | Reposition Left Humeral Head, External Approach | Procedure | ICD-10-PCS |
| OPSF04Z | Reposition Right Humeral Shaft with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSF05Z | Reposition Right Humeral Shaft with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSF06Z | Reposition Right Humeral Shaft with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSF0BZ | Reposition Right Humeral Shaft with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSF0CZ | Reposition Right Humeral Shaft with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSF0DZ | Reposition Right Humeral Shaft with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSF0ZZ | Reposition Right Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| OPSF34Z | Reposition Right Humeral Shaft with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSF35Z | Reposition Right Humeral Shaft with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSF36Z | Reposition Right Humeral Shaft with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSF3BZ | Reposition Right Humeral Shaft with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSF3CZ | Reposition Right Humeral Shaft with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSF3DZ | Reposition Right Humeral Shaft with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSF3ZZ | Reposition Right Humeral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OPSF44Z | Reposition Right Humeral Shaft with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSF45Z | Reposition Right Humeral Shaft with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSF46Z | Reposition Right Humeral Shaft with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSF4BZ | Reposition Right Humeral Shaft with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSF4CZ | Reposition Right Humeral Shaft with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSF4DZ | Reposition Right Humeral Shaft with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSF4ZZ | Reposition Right Humeral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSFXZZ | Reposition Right Humeral Shaft, External Approach | Procedure | ICD-10-PCS |
| OPSG04Z | Reposition Left Humeral Shaft with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSG05Z | Reposition Left Humeral Shaft with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSG06Z | Reposition Left Humeral Shaft with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSG0BZ | Reposition Left Humeral Shaft with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSG0CZ | Reposition Left Humeral Shaft with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSG0DZ | Reposition Left Humeral Shaft with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSG0ZZ | Reposition Left Humeral Shaft, Open Approach | Procedure | ICD-10-PCS |
| OPSG34Z | Reposition Left Humeral Shaft with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG35Z | Reposition Left Humeral Shaft with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG36Z | Reposition Left Humeral Shaft with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG3BZ | Reposition Left Humeral Shaft with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG3CZ | Reposition Left Humeral Shaft with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG3DZ | Reposition Left Humeral Shaft with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG3ZZ | Reposition Left Humeral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSG44Z | Reposition Left Humeral Shaft with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| OPSG45Z | Reposition Left Humeral Shaft with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSG46Z | Reposition Left Humeral Shaft with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSG4BZ | Reposition Left Humeral Shaft with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSG4CZ | Reposition Left Humeral Shaft with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSG4DZ | Reposition Left Humeral Shaft with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSG4ZZ | Reposition Left Humeral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSGXZZ | Reposition Left Humeral Shaft, External Approach | Procedure | ICD-10-PCS |
| 23600 | Closed treatment of proximal humeral (surgical or anatomical neck) fracture; without manipulation | Procedure | CPT-4 |
| 23605 | Closed treatment of proximal humeral (surgical or anatomical neck) fracture; with manipulation, with or without skeletal traction | Procedure | CPT-4 |
| 23610 | Treatment Of Open Humeral (surgical Or Anatomical Neck) Fracture, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 23615 | Open treatment of proximal humeral (surgical or anatomical neck) fracture, includes internal fixation, when performed, includes repair of tuberosity(s), when performed; | Procedure | CPT-4 |
| 23620 | Closed treatment of greater humeral tuberosity fracture; without manipulation | Procedure | CPT-4 |
| 23625 | Closed treatment of greater humeral tuberosity fracture; with manipulation | Procedure | CPT-4 |
| 23630 | Open treatment of greater humeral tuberosity fracture, includes internal fixation, when performed | Procedure | CPT-4 |
| 23665 | Closed treatment of shoulder dislocation, with fracture of greater humeral tuberosity, with manipulation | Procedure | CPT-4 |
| 23670 | Open treatment of shoulder dislocation, with fracture of greater humeral tuberosity, includes internal fixation, when performed | Procedure | CPT-4 |
| 23675 | Closed treatment of shoulder dislocation, with surgical or anatomical neck fracture, with manipulation | Procedure | CPT-4 |
| 23680 | Open treatment of shoulder dislocation, with surgical or anatomical neck fracture, includes internal fixation, when performed | Procedure | CPT-4 |
| 24500 | Closed treatment of humeral shaft fracture; without manipulation | Procedure | CPT-4 |
| 24505 | Closed treatment of humeral shaft fracture; with manipulation, with or without skeletal traction | Procedure | CPT-4 |
| 24506 | Treatment Of Closed Humeral Shaft Fracture; Percutaneous Insertion Of Pin Or Rod | Procedure | CPT-4 |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 24510 | Treatment Of Open Humeral Shaft Fracture, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24515 | Open treatment of humeral shaft fracture with plate/screws, with or without cerclage | Procedure | CPT-4 |
| 24530 | Closed treatment of supracondylar or transcondylar humeral fracture, with or without intercondylar extension; without manipulation | Procedure | CPT-4 |
| 24531 | Treatment Of Closed Humeral Supracondylar Or Transcondylar Fracture, Without Manipulation; With Traction (pin Or Skin) | Procedure | CPT-4 |
| 24535 | Closed treatment of supracondylar or transcondylar humeral fracture, with or without intercondylar extension; with manipulation, with or without skin or skeletal traction | Procedure | CPT-4 |
| 24536 | Treatment Of Closed Humeral Supracondylar Or Transcondylar Fracture, With Manipulation; With Traction (pin Or Skin) | Procedure | CPT-4 |
| 24538 | Percutaneous skeletal fixation of supracondylar or transcondylar humeral fracture, with or without intercondylar extension | Procedure | CPT-4 |
| 24540 | Treatment Of Open Humeral Supracondylar Or Transcondylar Fracture, With Uncomplicated Soft Tissue Closure; | Procedure | CPT-4 |
| 24542 | Treatment Of Open Humeral Supracondylar Or Transcondylar Fracture, With Uncomplicated Soft Tissue Closure; With Traction (pin Or Skin) | Procedure | CPT-4 |
| 24545 | Open treatment of humeral supracondylar or transcondylar fracture, includes internal fixation, when performed; without intercondylar extension | Procedure | CPT-4 |
| 24560 | Closed treatment of humeral epicondylar fracture, medial or lateral; without manipulation | Procedure | CPT-4 |
| 24565 | Closed treatment of humeral epicondylar fracture, medial or lateral; with manipulation | Procedure | CPT-4 |
| 24570 | Treatment Of Open Humeral Epicondylar Fracture, Medial Or Lateral, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24575 | Open treatment of humeral epicondylar fracture, medial or lateral, includes internal fixation, when performed | Procedure | CPT-4 |
| 24576 | Closed treatment of humeral condylar fracture, medial or lateral; without manipulation | Procedure | CPT-4 |
| 24577 | Closed treatment of humeral condylar fracture, medial or lateral; with manipulation | Procedure | CPT-4 |
| 24578 | Treatment Of Open Humeral Condylar Fracture, Medial Or Lateral, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24579 | Open treatment of humeral condylar fracture, medial or lateral, includes internal fixation, when performed | Procedure | CPT-4 |
| 24580 | Treatment Of Closed Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna And/or Proximal Radius), Treatment With Traction, (pin Or Skin); Without Manipulation | Procedure | CPT-4 |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-----------------------|---|----------------------|------------------|
| 24581 | Treatment Of Closed Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna And/or Proximal Radius), Treatment With Traction, (pin Or Skin); With Manipulation | Procedure | CPT-4 |
| 24583 | Treatment Of Open Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna And/or Proximal Radius), With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24585 | Open Treatment Of Closed Or Open Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna/radius), With Or Without Internal Or External Skeletal Fixation; | Procedure | CPT-4 |
| 24586 | Open treatment of periarticular fracture and/or dislocation of the elbow (fracture distal humerus and proximal ulna and/or proximal radius); | Procedure | CPT-4 |
| 24587 | Open treatment of periarticular fracture and/or dislocation of the elbow (fracture distal humerus and proximal ulna and/or proximal radius); with implant arthroplasty | Procedure | CPT-4 |
| 24588 | Open Treatment Of Closed Or Open Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna/radius), With Or Without Internal Or External Skeletal Fixation; With Implants And Fascia Lata Ligament Reconstruction | Procedure | CPT-4 |
| 29035 | Application of body cast, shoulder to hips; | Procedure | CPT-4 |
| 29040 | Application of body cast, shoulder to hips; including head, Minerva type | Procedure | CPT-4 |
| 29044 | Application of body cast, shoulder to hips; including 1 thigh | Procedure | CPT-4 |
| 29046 | Application of body cast, shoulder to hips; including both thighs | Procedure | CPT-4 |
| 29065 | Application, cast; shoulder to hand (long arm) | Procedure | CPT-4 |
| 29105 | Application of long arm splint (shoulder to hand) | Procedure | CPT-4 |
| 29799 | Unlisted procedure, casting or strapping | Procedure | CPT-4 |
| Femur Fracture | | | |
| 733.15 | Pathologic fracture of other specified part of femur | Diagnosis | ICD-9-CM |
| 821 | Fracture of other and unspecified parts of femur | Diagnosis | ICD-9-CM |
| 821.0 | Closed fracture of shaft or unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.00 | Closed fracture of unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.01 | Closed fracture of shaft of femur | Diagnosis | ICD-9-CM |
| 821.1 | Open fracture of shaft or unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.10 | Open fracture of unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.11 | Open fracture of shaft of femur | Diagnosis | ICD-9-CM |
| 821.2 | Closed fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.20 | Closed fracture of unspecified part of lower end of femur | Diagnosis | ICD-9-CM |
| 821.21 | Closed fracture of femoral condyle | Diagnosis | ICD-9-CM |
| 821.22 | Closed fracture of lower epiphysis of femur | Diagnosis | ICD-9-CM |
| 821.23 | Closed supracondylar fracture of femur | Diagnosis | ICD-9-CM |
| 821.29 | Other closed fracture of lower end of femur | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 821.3 | Open fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.30 | Open fracture of unspecified part of lower end of femur | Diagnosis | ICD-9-CM |
| 821.31 | Open fracture of femoral condyle | Diagnosis | ICD-9-CM |
| 821.32 | Open fracture of lower epiphysis of femur | Diagnosis | ICD-9-CM |
| 821.33 | Open supracondylar fracture of femur | Diagnosis | ICD-9-CM |
| 821.39 | Other open fracture of lower end of femur | Diagnosis | ICD-9-CM |
| M80.051A | Age-related osteoporosis with current pathological fracture, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.052A | Age-related osteoporosis with current pathological fracture, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.059A | Age-related osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.851A | Other osteoporosis with current pathological fracture, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.852A | Other osteoporosis with current pathological fracture, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.859A | Other osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.451A | Pathological fracture, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.452A | Pathological fracture, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.453A | Pathological fracture, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.551A | Pathological fracture in neoplastic disease, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.552A | Pathological fracture in neoplastic disease, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.553A | Pathological fracture in neoplastic disease, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.559A | Pathological fracture in neoplastic disease, hip, unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.651A | Pathological fracture in other disease, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.652A | Pathological fracture in other disease, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.653A | Pathological fracture in other disease, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.659A | Pathological fracture in other disease, hip, unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.750A | Atypical femoral fracture, unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.751A | Incomplete atypical femoral fracture, right leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.752A | Incomplete atypical femoral fracture, left leg, initial encounter for fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| M84.753A | Incomplete atypical femoral fracture, unspecified leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.754A | Complete transverse atypical femoral fracture, right leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.755A | Complete transverse atypical femoral fracture, left leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.756A | Complete transverse atypical femoral fracture, unspecified leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.757A | Complete oblique atypical femoral fracture, right leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.758A | Complete oblique atypical femoral fracture, left leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.759A | Complete oblique atypical femoral fracture, unspecified leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| S72.301A | Unspecified fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.301B | Unspecified fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.301C | Unspecified fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.302A | Unspecified fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.302B | Unspecified fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.302C | Unspecified fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.309A | Unspecified fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.309B | Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.309C | Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.321A | Displaced transverse fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.321B | Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.321C | Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.322A | Displaced transverse fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.322B | Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.322C | Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.323A | Displaced transverse fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.323B | Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.323C | Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.324A | Nondisplaced transverse fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.324B | Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.324C | Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.325A | Nondisplaced transverse fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.325B | Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.325C | Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.326A | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.326B | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.326C | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.331A | Displaced oblique fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.331B | Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.331C | Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.332A | Displaced oblique fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.332B | Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.332C | Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.333A | Displaced oblique fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.333B | Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.333C | Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.334A | Nondisplaced oblique fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.334B | Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.334C | Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.335A | Nondisplaced oblique fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.335B | Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.335C | Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.336A | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.336B | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.336C | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.341A | Displaced spiral fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.341B | Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.341C | Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.342A | Displaced spiral fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.342B | Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.342C | Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.343A | Displaced spiral fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.343B | Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.343C | Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.344A | Nondisplaced spiral fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.344B | Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.344C | Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.345A | Nondisplaced spiral fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.345B | Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.345C | Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.346A | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.346B | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.346C | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.351A | Displaced comminuted fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.351B | Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.351C | Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.352A | Displaced comminuted fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.352B | Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.352C | Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.353A | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.353B | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.353C | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.354A | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.354B | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.354C | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.355A | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.355B | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.355C | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.356A | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.356B | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.356C | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.361A | Displaced segmental fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.361B | Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.361C | Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.362A | Displaced segmental fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.362B | Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.362C | Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.363A | Displaced segmental fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.363B | Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.363C | Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.364A | Nondisplaced segmental fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.364B | Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.364C | Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.365A | Nondisplaced segmental fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.365B | Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.365C | Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.366A | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.366B | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.366C | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.391A | Other fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.391B | Other fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.391C | Other fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.392A | Other fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.392B | Other fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.392C | Other fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.399A | Other fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.399B | Other fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.399C | Other fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.401A | Unspecified fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.401B | Unspecified fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.401C | Unspecified fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.402A | Unspecified fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.402B | Unspecified fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.402C | Unspecified fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.409A | Unspecified fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.409B | Unspecified fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.409C | Unspecified fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.411A | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.411B | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.411C | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.412A | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.412B | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.412C | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.413A | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.413B | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.413C | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.414A | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.414B | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.414C | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.415A | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.415B | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.415C | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.416A | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.416B | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.416C | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.421A | Displaced fracture of lateral condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.421B | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.421C | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.422A | Displaced fracture of lateral condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.422B | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.422C | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.423A | Displaced fracture of lateral condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.423B | Displaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.423C | Displaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.424A | Nondisplaced fracture of lateral condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.424B | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.424C | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.425A | Nondisplaced fracture of lateral condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.425B | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.425C | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.426A | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.426B | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.426C | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.431A | Displaced fracture of medial condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.431B | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.431C | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.432A | Displaced fracture of medial condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.432B | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.432C | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.433A | Displaced fracture of medial condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.433B | Displaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.433C | Displaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.434A | Nondisplaced fracture of medial condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.434B | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.434C | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.435A | Nondisplaced fracture of medial condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.435B | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.435C | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.436A | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.436B | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.436C | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.441A | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.441B | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.441C | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.442A | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.442B | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.442C | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.443A | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.443B | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.443C | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.444A | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.444B | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.444C | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.445A | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.445B | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.445C | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.446A | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.446B | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.446C | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.451A | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.451B | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.451C | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.452A | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.452B | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.452C | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.453A | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.453B | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.453C | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.454A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.454B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.454C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.455A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.455B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.455C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.456A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.456B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.456C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.461A | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.461B | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.461C | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.462A | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.462B | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.462C | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.463A | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.463B | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.463C | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.464A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.464B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.464C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.465A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.465B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.465C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.466A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.466B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.466C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.471A | Torus fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.472A | Torus fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.479A | Torus fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.491A | Other fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.491B | Other fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.491C | Other fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.492A | Other fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.492B | Other fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.492C | Other fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.499A | Other fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.499B | Other fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.499C | Other fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X1A | Other fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X1B | Other fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X1C | Other fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X2A | Other fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X2B | Other fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X2C | Other fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X9A | Other fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X9B | Other fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X9C | Other fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.90XA | Unspecified fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.90XB | Unspecified fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.90XC | Unspecified fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.91XA | Unspecified fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.91XB | Unspecified fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.91XC | Unspecified fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.92XA | Unspecified fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.92XB | Unspecified fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.92XC | Unspecified fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S79.101A | Unspecified physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.102A | Unspecified physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.109A | Unspecified physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.111A | Salter-Harris Type I physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.112A | Salter-Harris Type I physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.119A | Salter-Harris Type I physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.121A | Salter-Harris Type II physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.122A | Salter-Harris Type II physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.129A | Salter-Harris Type II physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.131A | Salter-Harris Type III physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.132A | Salter-Harris Type III physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.139A | Salter-Harris Type III physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.141A | Salter-Harris Type IV physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.142A | Salter-Harris Type IV physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.149A | Salter-Harris Type IV physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.191A | Other physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.192A | Other physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.199A | Other physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| 27500 | Closed treatment of femoral shaft fracture, without manipulation | Procedure | CPT-4 |
| 27502 | Closed treatment of femoral shaft fracture, with manipulation, with or without skin or skeletal traction | Procedure | CPT-4 |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|---------------------|---|----------------------|------------------|
| 27504 | Treatment Of Open Femoral Shaft Fracture (including Supracondylar), With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 27506 | Open treatment of femoral shaft fracture, with or without external fixation, with insertion of intramedullary implant, with or without cerclage and/or locking screws | Procedure | CPT-4 |
| 27508 | Closed treatment of femoral fracture, distal end, medial or lateral condyle, without manipulation | Procedure | CPT-4 |
| 27510 | Closed treatment of femoral fracture, distal end, medial or lateral condyle, with manipulation | Procedure | CPT-4 |
| 27512 | Treatment Of Open Femoral Fracture, Distal End, Medial Or Lateral Condyle, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 27514 | Open treatment of femoral fracture, distal end, medial or lateral condyle, includes internal fixation, when performed | Procedure | CPT-4 |
| 29010 | Application of Risser jacket, localizer, body; only | Procedure | CPT-4 |
| 29015 | Application of Risser jacket, localizer, body; including head | Procedure | CPT-4 |
| 29020 | Application of turnbuckle jacket, body; only | Procedure | CPT-4 |
| 29025 | Application of turnbuckle jacket, body; including head | Procedure | CPT-4 |
| 29035 | Application of body cast, shoulder to hips; | Procedure | CPT-4 |
| 29040 | Application of body cast, shoulder to hips; including head, Minerva type | Procedure | CPT-4 |
| 29044 | Application of body cast, shoulder to hips; including 1 thigh | Procedure | CPT-4 |
| 29046 | Application of body cast, shoulder to hips; including both thighs | Procedure | CPT-4 |
| 29305 | Application of hip spica cast; 1 leg | Procedure | CPT-4 |
| 29325 | Application of hip spica cast; 1 and one-half spica or both legs | Procedure | CPT-4 |
| 29345 | Application of long leg cast (thigh to toes); | Procedure | CPT-4 |
| 29355 | Application of long leg cast (thigh to toes); walker or ambulatory type | Procedure | CPT-4 |
| 29358 | Application of long leg cast brace | Procedure | CPT-4 |
| 29365 | Application of cylinder cast (thigh to ankle) | Procedure | CPT-4 |
| 29505 | Application of long leg splint (thigh to ankle or toes) | Procedure | CPT-4 |
| 29520 | Strapping; hip | Procedure | CPT-4 |
| 29799 | Unlisted procedure, casting or strapping | Procedure | CPT-4 |
| Hip Fracture | | | |
| 733.14 | Pathologic fracture of neck of femur | Diagnosis | ICD-9-CM |
| 820 | Fracture of neck of femur | Diagnosis | ICD-9-CM |
| 820.0 | Closed transcervical fracture | Diagnosis | ICD-9-CM |
| 820.00 | Closed fracture of unspecified intracapsular section of neck of femur | Diagnosis | ICD-9-CM |
| 820.01 | Closed fracture of epiphysis (separation) (upper) of neck of femur | Diagnosis | ICD-9-CM |
| 820.02 | Closed fracture of midcervical section of femur | Diagnosis | ICD-9-CM |
| 820.03 | Closed fracture of base of neck of femur | Diagnosis | ICD-9-CM |
| 820.09 | Other closed transcervical fracture of femur | Diagnosis | ICD-9-CM |
| 820.1 | Open transcervical fracture | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 820.10 | Open fracture of unspecified intracapsular section of neck of femur | Diagnosis | ICD-9-CM |
| 820.11 | Open fracture of epiphysis (separation) (upper) of neck of femur | Diagnosis | ICD-9-CM |
| 820.12 | Open fracture of midcervical section of femur | Diagnosis | ICD-9-CM |
| 820.13 | Open fracture of base of neck of femur | Diagnosis | ICD-9-CM |
| 820.19 | Other open transcervical fracture of femur | Diagnosis | ICD-9-CM |
| 820.2 | Closed pertrochanteric fracture of femur | Diagnosis | ICD-9-CM |
| 820.20 | Closed fracture of unspecified trochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.21 | Closed fracture of intertrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.22 | Closed fracture of subtrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.3 | Open pertrochanteric fracture of femur | Diagnosis | ICD-9-CM |
| 820.30 | Open fracture of unspecified trochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.31 | Open fracture of intertrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.32 | Open fracture of subtrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.8 | Closed fracture of unspecified part of neck of femur | Diagnosis | ICD-9-CM |
| 820.9 | Open fracture of unspecified part of neck of femur | Diagnosis | ICD-9-CM |
| M80.051A | Age-related osteoporosis with current pathological fracture, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.052A | Age-related osteoporosis with current pathological fracture, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.059A | Age-related osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.851A | Other osteoporosis with current pathological fracture, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.852A | Other osteoporosis with current pathological fracture, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.859A | Other osteoporosis with current pathological fracture, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.451A | Pathological fracture, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.452A | Pathological fracture, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.459A | Pathological fracture, hip, unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.551A | Pathological fracture in neoplastic disease, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.552A | Pathological fracture in neoplastic disease, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.553A | Pathological fracture in neoplastic disease, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.559A | Pathological fracture in neoplastic disease, hip, unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.651A | Pathological fracture in other disease, right femur, initial encounter for fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| M84.652A | Pathological fracture in other disease, left femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.653A | Pathological fracture in other disease, unspecified femur, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.659A | Pathological fracture in other disease, hip, unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.751A | Incomplete atypical femoral fracture, right leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.752A | Incomplete atypical femoral fracture, left leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.754A | Complete transverse atypical femoral fracture, right leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.755A | Complete transverse atypical femoral fracture, left leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.757A | Complete oblique atypical femoral fracture, right leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.758A | Complete oblique atypical femoral fracture, left leg, initial encounter for fracture | Diagnosis | ICD-10-CM |
| S72.001A | Fracture of unspecified part of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.001B | Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.001C | Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.002A | Fracture of unspecified part of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.002B | Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.002C | Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.009A | Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.009B | Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.009C | Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.011A | Unspecified intracapsular fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.011B | Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.011C | Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.012A | Unspecified intracapsular fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.012B | Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.012C | Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.019A | Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.019B | Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.019C | Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.021A | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.021B | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.021C | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.022A | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.022B | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.022C | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.023A | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.023B | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.023C | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.024A | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.024B | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.024C | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.025A | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.025B | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.025C | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.026A | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.026B | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.026C | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.031A | Displaced midcervical fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.031B | Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.031C | Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.032A | Displaced midcervical fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.032B | Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.032C | Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.033A | Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.033B | Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.033C | Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.034A | Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.034B | Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.034C | Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.035A | Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.035B | Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.035C | Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.036A | Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.036B | Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.036C | Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.041A | Displaced fracture of base of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.041B | Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.041C | Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.042A | Displaced fracture of base of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.042B | Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.042C | Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.043A | Displaced fracture of base of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.043B | Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.043C | Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.044A | Nondisplaced fracture of base of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.044B | Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.044C | Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.045A | Nondisplaced fracture of base of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.045B | Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.045C | Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.046A | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.046B | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.046C | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.051A | Unspecified fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.051B | Unspecified fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.051C | Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.052A | Unspecified fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.052B | Unspecified fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.052C | Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.059A | Unspecified fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.059B | Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.059C | Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.061A | Displaced articular fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.061B | Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.061C | Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.062A | Displaced articular fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.062B | Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.062C | Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.063A | Displaced articular fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.063B | Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.063C | Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.064A | Nondisplaced articular fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.064B | Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.064C | Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.065A | Nondisplaced articular fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.065B | Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.065C | Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.066A | Nondisplaced articular fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.066B | Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.066C | Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.091A | Other fracture of head and neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.091B | Other fracture of head and neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.091C | Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.092A | Other fracture of head and neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.092B | Other fracture of head and neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.092C | Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.099A | Other fracture of head and neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.099B | Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.099C | Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.101A | Unspecified trochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.101B | Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.101C | Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.102A | Unspecified trochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.102B | Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.102C | Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.109A | Unspecified trochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.109B | Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.109C | Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.111A | Displaced fracture of greater trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.111B | Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.111C | Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.112A | Displaced fracture of greater trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.112B | Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.112C | Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.113A | Displaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.113B | Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.113C | Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.114A | Nondisplaced fracture of greater trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.114B | Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.114C | Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.115A | Nondisplaced fracture of greater trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.115B | Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.115C | Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.116A | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.116B | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.116C | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.121A | Displaced fracture of lesser trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.121B | Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.121C | Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.122A | Displaced fracture of lesser trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.122B | Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.122C | Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.123A | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.123B | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.123C | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.124A | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.124B | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.124C | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.125A | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.125B | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.125C | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.126A | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.126B | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.126C | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.131A | Displaced apophyseal fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.131B | Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.131C | Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.132A | Displaced apophyseal fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.132B | Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.132C | Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.133A | Displaced apophyseal fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.133B | Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.133C | Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.134A | Nondisplaced apophyseal fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.134B | Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.134C | Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.135A | Nondisplaced apophyseal fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.135B | Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.135C | Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.136A | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.136B | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.136C | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.141A | Displaced intertrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.141B | Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.141C | Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.142A | Displaced intertrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.142B | Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.142C | Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.143A | Displaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.143B | Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.143C | Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.144A | Nondisplaced intertrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.144B | Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.144C | Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.145A | Nondisplaced intertrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.145B | Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.145C | Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.146A | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.146B | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.146C | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.21XA | Displaced subtrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.21XB | Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.21XC | Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.22XA | Displaced subtrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.22XB | Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.22XC | Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.23XA | Displaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.23XB | Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.23XC | Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.24XA | Nondisplaced subtrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.24XB | Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.24XC | Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.25XA | Nondisplaced subtrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.25XB | Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.25XC | Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.26XA | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.26XB | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.26XC | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S79.001A | Unspecified physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.002A | Unspecified physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.009A | Unspecified physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.011A | Salter-Harris Type I physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.012A | Salter-Harris Type I physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S79.019A | Salter-Harris Type I physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.091A | Other physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.092A | Other physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.099A | Other physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| 78.55 | Internal fixation of femur without fracture reduction | Procedure | ICD-9-CM |
| 79.05 | Closed reduction of fracture of femur without internal fixation | Procedure | ICD-9-CM |
| 79.15 | Closed reduction of fracture of femur with internal fixation | Procedure | ICD-9-CM |
| 79.25 | Open reduction of fracture of femur without internal fixation | Procedure | ICD-9-CM |
| 79.35 | Open reduction of fracture of femur with internal fixation | Procedure | ICD-9-CM |
| 79.65 | Debridement of open fracture of femur | Procedure | ICD-9-CM |
| 81.61 | 360 degree spinal fusion, single incision approach | Procedure | ICD-9-CM |
| 81.62 | Fusion or refusion of 2-3 vertebrae | Procedure | ICD-9-CM |
| 0QB60ZZ | Excision of Right Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QB70ZZ | Excision of Left Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QB80ZZ | Excision of Right Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QB90ZZ | Excision of Left Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QBB0ZZ | Excision of Right Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QBC0ZZ | Excision of Left Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QH604Z | Insertion of Internal Fixation Device into Right Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QH606Z | Insertion of Intramedullary Internal Fixation Device into Right Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QH634Z | Insertion of Internal Fixation Device into Right Upper Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH636Z | Insertion of Intramedullary Internal Fixation Device into Right Upper Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH644Z | Insertion of Internal Fixation Device into Right Upper Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH646Z | Insertion of Intramedullary Internal Fixation Device into Right Upper Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH704Z | Insertion of Internal Fixation Device into Left Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QH706Z | Insertion of Intramedullary Internal Fixation Device into Left Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QH734Z | Insertion of Internal Fixation Device into Left Upper Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH736Z | Insertion of Intramedullary Internal Fixation Device into Left Upper Femur, Percutaneous Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 0QH744Z | Insertion of Internal Fixation Device into Left Upper Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH746Z | Insertion of Intramedullary Internal Fixation Device into Left Upper Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH804Z | Insertion of Internal Fixation Device into Right Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QH806Z | Insertion of Intramedullary Internal Fixation Device into Right Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QH834Z | Insertion of Internal Fixation Device into Right Femoral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH836Z | Insertion of Intramedullary Internal Fixation Device into Right Femoral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH844Z | Insertion of Internal Fixation Device into Right Femoral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH846Z | Insertion of Intramedullary Internal Fixation Device into Right Femoral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH904Z | Insertion of Internal Fixation Device into Left Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QH906Z | Insertion of Intramedullary Internal Fixation Device into Left Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QH934Z | Insertion of Internal Fixation Device into Left Femoral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH936Z | Insertion of Intramedullary Internal Fixation Device into Left Femoral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QH944Z | Insertion of Internal Fixation Device into Left Femoral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QH946Z | Insertion of Intramedullary Internal Fixation Device into Left Femoral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QHB04Z | Insertion of Internal Fixation Device into Right Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QHB06Z | Insertion of Intramedullary Internal Fixation Device into Right Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QHB34Z | Insertion of Internal Fixation Device into Right Lower Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QHB36Z | Insertion of Intramedullary Internal Fixation Device into Right Lower Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QHB44Z | Insertion of Internal Fixation Device into Right Lower Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QHB46Z | Insertion of Intramedullary Internal Fixation Device into Right Lower Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QHC04Z | Insertion of Internal Fixation Device into Left Lower Femur, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 0QHC06Z | Insertion of Intramedullary Internal Fixation Device into Left Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QHC34Z | Insertion of Internal Fixation Device into Left Lower Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QHC36Z | Insertion of Intramedullary Internal Fixation Device into Left Lower Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QHC44Z | Insertion of Internal Fixation Device into Left Lower Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QHC46Z | Insertion of Intramedullary Internal Fixation Device into Left Lower Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS604Z | Reposition Right Upper Femur with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS605Z | Reposition Right Upper Femur with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS606Z | Reposition Right Upper Femur with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS60BZ | Reposition Right Upper Femur with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS60CZ | Reposition Right Upper Femur with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS60DZ | Reposition Right Upper Femur with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS60ZZ | Reposition Right Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QS634Z | Reposition Right Upper Femur with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS635Z | Reposition Right Upper Femur with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS636Z | Reposition Right Upper Femur with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS63BZ | Reposition Right Upper Femur with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS63CZ | Reposition Right Upper Femur with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS63DZ | Reposition Right Upper Femur with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS63ZZ | Reposition Right Upper Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS644Z | Reposition Right Upper Femur with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS645Z | Reposition Right Upper Femur with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS646Z | Reposition Right Upper Femur with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 0QS64BZ | Reposition Right Upper Femur with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS64CZ | Reposition Right Upper Femur with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS64DZ | Reposition Right Upper Femur with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS64ZZ | Reposition Right Upper Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS6XZZ | Reposition Right Upper Femur, External Approach | Procedure | ICD-10-PCS |
| 0QS704Z | Reposition Left Upper Femur with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS705Z | Reposition Left Upper Femur with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS706Z | Reposition Left Upper Femur with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS70BZ | Reposition Left Upper Femur with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS70CZ | Reposition Left Upper Femur with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS70DZ | Reposition Left Upper Femur with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS70ZZ | Reposition Left Upper Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QS734Z | Reposition Left Upper Femur with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS735Z | Reposition Left Upper Femur with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS736Z | Reposition Left Upper Femur with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS73BZ | Reposition Left Upper Femur with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS73CZ | Reposition Left Upper Femur with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS73DZ | Reposition Left Upper Femur with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS73ZZ | Reposition Left Upper Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS744Z | Reposition Left Upper Femur with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS745Z | Reposition Left Upper Femur with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS746Z | Reposition Left Upper Femur with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS74BZ | Reposition Left Upper Femur with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 0QS74CZ | Reposition Left Upper Femur with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS74DZ | Reposition Left Upper Femur with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS74ZZ | Reposition Left Upper Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS7XZZ | Reposition Left Upper Femur, External Approach | Procedure | ICD-10-PCS |
| 0QS804Z | Reposition Right Femoral Shaft with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS805Z | Reposition Right Femoral Shaft with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS806Z | Reposition Right Femoral Shaft with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS80BZ | Reposition Right Femoral Shaft with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS80CZ | Reposition Right Femoral Shaft with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS80DZ | Reposition Right Femoral Shaft with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS80ZZ | Reposition Right Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QS834Z | Reposition Right Femoral Shaft with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS835Z | Reposition Right Femoral Shaft with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS836Z | Reposition Right Femoral Shaft with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS83BZ | Reposition Right Femoral Shaft with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS83CZ | Reposition Right Femoral Shaft with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS83DZ | Reposition Right Femoral Shaft with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS83ZZ | Reposition Right Femoral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS844Z | Reposition Right Femoral Shaft with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS845Z | Reposition Right Femoral Shaft with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS846Z | Reposition Right Femoral Shaft with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS84BZ | Reposition Right Femoral Shaft with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS84CZ | Reposition Right Femoral Shaft with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 0QS84DZ | Reposition Right Femoral Shaft with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS84ZZ | Reposition Right Femoral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS8XZZ | Reposition Right Femoral Shaft, External Approach | Procedure | ICD-10-PCS |
| 0QS904Z | Reposition Left Femoral Shaft with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS905Z | Reposition Left Femoral Shaft with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS906Z | Reposition Left Femoral Shaft with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS90BZ | Reposition Left Femoral Shaft with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS90CZ | Reposition Left Femoral Shaft with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS90DZ | Reposition Left Femoral Shaft with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QS90ZZ | Reposition Left Femoral Shaft, Open Approach | Procedure | ICD-10-PCS |
| 0QS934Z | Reposition Left Femoral Shaft with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS935Z | Reposition Left Femoral Shaft with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS936Z | Reposition Left Femoral Shaft with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS93BZ | Reposition Left Femoral Shaft with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS93CZ | Reposition Left Femoral Shaft with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS93DZ | Reposition Left Femoral Shaft with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS93ZZ | Reposition Left Femoral Shaft, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QS944Z | Reposition Left Femoral Shaft with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS945Z | Reposition Left Femoral Shaft with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS946Z | Reposition Left Femoral Shaft with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS94BZ | Reposition Left Femoral Shaft with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS94CZ | Reposition Left Femoral Shaft with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS94DZ | Reposition Left Femoral Shaft with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 0QS94ZZ | Reposition Left Femoral Shaft, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QS9XZZ | Reposition Left Femoral Shaft, External Approach | Procedure | ICD-10-PCS |
| 0QSB04Z | Reposition Right Lower Femur with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSB05Z | Reposition Right Lower Femur with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSB06Z | Reposition Right Lower Femur with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSB0BZ | Reposition Right Lower Femur with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSB0CZ | Reposition Right Lower Femur with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSB0DZ | Reposition Right Lower Femur with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSB0ZZ | Reposition Right Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QSB34Z | Reposition Right Lower Femur with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB35Z | Reposition Right Lower Femur with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB36Z | Reposition Right Lower Femur with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB3BZ | Reposition Right Lower Femur with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB3CZ | Reposition Right Lower Femur with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB3DZ | Reposition Right Lower Femur with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB3ZZ | Reposition Right Lower Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSB44Z | Reposition Right Lower Femur with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSB45Z | Reposition Right Lower Femur with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSB46Z | Reposition Right Lower Femur with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSB4BZ | Reposition Right Lower Femur with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSB4CZ | Reposition Right Lower Femur with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSB4DZ | Reposition Right Lower Femur with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSB4ZZ | Reposition Right Lower Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSBXZZ | Reposition Right Lower Femur, External Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 0QSC04Z | Reposition Left Lower Femur with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSC05Z | Reposition Left Lower Femur with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSC06Z | Reposition Left Lower Femur with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSC0BZ | Reposition Left Lower Femur with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSC0CZ | Reposition Left Lower Femur with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSC0DZ | Reposition Left Lower Femur with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| 0QSC0ZZ | Reposition Left Lower Femur, Open Approach | Procedure | ICD-10-PCS |
| 0QSC34Z | Reposition Left Lower Femur with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC35Z | Reposition Left Lower Femur with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC36Z | Reposition Left Lower Femur with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC3BZ | Reposition Left Lower Femur with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC3CZ | Reposition Left Lower Femur with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC3DZ | Reposition Left Lower Femur with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC3ZZ | Reposition Left Lower Femur, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0QSC44Z | Reposition Left Lower Femur with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSC45Z | Reposition Left Lower Femur with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSC46Z | Reposition Left Lower Femur with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSC4BZ | Reposition Left Lower Femur with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSC4CZ | Reposition Left Lower Femur with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSC4DZ | Reposition Left Lower Femur with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSC4ZZ | Reposition Left Lower Femur, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0QSCXZZ | Reposition Left Lower Femur, External Approach | Procedure | ICD-10-PCS |
| ORG2070 | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| ORG2071 | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG207J | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20A0 | Fusion of 2 or more Cervical Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20AJ | Fusion of 2 or more Cervical Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20J0 | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20J1 | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20JJ | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20K0 | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20K1 | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20KJ | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20Z0 | Fusion of 2 or more Cervical Vertebral Joints, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20Z1 | Fusion of 2 or more Cervical Vertebral Joints, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG20ZJ | Fusion of 2 or more Cervical Vertebral Joints, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG2370 | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG2371 | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG237J | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23A0 | Fusion of 2 or more Cervical Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23AJ | Fusion of 2 or more Cervical Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23J0 | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23J1 | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| ORG23JJ | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23K0 | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23K1 | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23KJ | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23Z0 | Fusion of 2 or more Cervical Vertebral Joints, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23Z1 | Fusion of 2 or more Cervical Vertebral Joints, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG23ZJ | Fusion of 2 or more Cervical Vertebral Joints, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG2470 | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG2471 | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG247J | Fusion of 2 or more Cervical Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24A0 | Fusion of 2 or more Cervical Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24AJ | Fusion of 2 or more Cervical Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24J0 | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24J1 | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24JJ | Fusion of 2 or more Cervical Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24K0 | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24K1 | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| ORG24KJ | Fusion of 2 or more Cervical Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24ZO | Fusion of 2 or more Cervical Vertebral Joints, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24Z1 | Fusion of 2 or more Cervical Vertebral Joints, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG24ZJ | Fusion of 2 or more Cervical Vertebral Joints, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG7070 | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG7071 | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG707J | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70A0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70AJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70J0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70J1 | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70JJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70K0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70K1 | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70KJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70ZO | Fusion of 2 to 7 Thoracic Vertebral Joints, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70Z1 | Fusion of 2 to 7 Thoracic Vertebral Joints, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG70ZJ | Fusion of 2 to 7 Thoracic Vertebral Joints, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| ORG7370 | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| ORG7371 | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG737J | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73A0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73AJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73J0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73J1 | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73JJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73K0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73K1 | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73KJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73Z0 | Fusion of 2 to 7 Thoracic Vertebral Joints, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73Z1 | Fusion of 2 to 7 Thoracic Vertebral Joints, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG73ZJ | Fusion of 2 to 7 Thoracic Vertebral Joints, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORG7470 | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG7471 | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG747J | Fusion of 2 to 7 Thoracic Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74A0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74AJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74J0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74J1 | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| ORG74JJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74K0 | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74K1 | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74KJ | Fusion of 2 to 7 Thoracic Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74Z0 | Fusion of 2 to 7 Thoracic Vertebral Joints, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74Z1 | Fusion of 2 to 7 Thoracic Vertebral Joints, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORG74ZJ | Fusion of 2 to 7 Thoracic Vertebral Joints, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OSG1070 | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG1071 | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG107J | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10A0 | Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10AJ | Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10J0 | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10J1 | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10JJ | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10K0 | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10K1 | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| OSG10KJ | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 0SG10Z0 | Fusion of 2 or more Lumbar Vertebral Joints, Anterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| 0SG10Z1 | Fusion of 2 or more Lumbar Vertebral Joints, Posterior Approach, Posterior Column, Open Approach | Procedure | ICD-10-PCS |
| 0SG10ZJ | Fusion of 2 or more Lumbar Vertebral Joints, Posterior Approach, Anterior Column, Open Approach | Procedure | ICD-10-PCS |
| 0SG1370 | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG1371 | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG137J | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13A0 | Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13AJ | Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13J0 | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13J1 | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13JJ | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13K0 | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13K1 | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13KJ | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13Z0 | Fusion of 2 or more Lumbar Vertebral Joints, Anterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13Z1 | Fusion of 2 or more Lumbar Vertebral Joints, Posterior Approach, Posterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG13ZJ | Fusion of 2 or more Lumbar Vertebral Joints, Posterior Approach, Anterior Column, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0SG1470 | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG1471 | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 0SG147J | Fusion of 2 or more Lumbar Vertebral Joints with Autologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14A0 | Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14AJ | Fusion of 2 or more Lumbar Vertebral Joints with Interbody Fusion Device, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14J0 | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14J1 | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14JJ | Fusion of 2 or more Lumbar Vertebral Joints with Synthetic Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14K0 | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14K1 | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14KJ | Fusion of 2 or more Lumbar Vertebral Joints with Nonautologous Tissue Substitute, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14Z0 | Fusion of 2 or more Lumbar Vertebral Joints, Anterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14Z1 | Fusion of 2 or more Lumbar Vertebral Joints, Posterior Approach, Posterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0SG14ZJ | Fusion of 2 or more Lumbar Vertebral Joints, Posterior Approach, Anterior Column, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| XRG2092 | Fusion of 2 or more Cervical Vertebral Joints using Nanotextured Surface Interbody Fusion Device, Open Approach, New Technology Group 2 | Procedure | ICD-10-PCS |
| XRG20F3 | Fusion of 2 or more Cervical Vertebral Joints using Radiolucent Porous Interbody Fusion Device, Open Approach, New Technology Group 3 | Procedure | ICD-10-PCS |
| XRG7092 | Fusion of 2 to 7 Thoracic Vertebral Joints using Nanotextured Surface Interbody Fusion Device, Open Approach, New Technology Group 2 | Procedure | ICD-10-PCS |
| XRG70F3 | Fusion of 2 to 7 Thoracic Vertebral Joints using Radiolucent Porous Interbody Fusion Device, Open Approach, New Technology Group 3 | Procedure | ICD-10-PCS |
| XRGC092 | Fusion of 2 or more Lumbar Vertebral Joints using Nanotextured Surface Interbody Fusion Device, Open Approach, New Technology Group 2 | Procedure | ICD-10-PCS |
| XRGC0F3 | Fusion of 2 or more Lumbar Vertebral Joints using Radiolucent Porous Interbody Fusion Device, Open Approach, New Technology Group 3 | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 27125 | Hemiarthroplasty, hip, partial (eg, femoral stem prosthesis, bipolar arthroplasty) | Procedure | CPT-4 |
| 27126 | Partial Hip Replacement (hemiarthroplasty); Cup | Procedure | CPT-4 |
| 27127 | Partial Hip Replacement (hemiarthroplasty); Cup With Acetabuloplasty | Procedure | CPT-4 |
| 27130 | Arthroplasty, acetabular and proximal femoral prosthetic replacement (total hip arthroplasty), with or without autograft or allograft | Procedure | CPT-4 |
| 27131 | Arthroplasty, Acetabular And Proximal Femoral | Procedure | CPT-4 |
| 27230 | Closed treatment of femoral fracture, proximal end, neck; without manipulation | Procedure | CPT-4 |
| 27232 | Closed treatment of femoral fracture, proximal end, neck; with manipulation, with or without skeletal traction | Procedure | CPT-4 |
| 27234 | Treatment Of Open Femoral Fracture, Proximal End, Neck, With Uncomplicated Soft Tissue Closure, With Manipulation (including Skeletal Traction) | Procedure | CPT-4 |
| 27235 | Percutaneous skeletal fixation of femoral fracture, proximal end, neck | Procedure | CPT-4 |
| 27236 | Open treatment of femoral fracture, proximal end, neck, internal fixation or prosthetic replacement | Procedure | CPT-4 |
| 27238 | Closed treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture; without manipulation | Procedure | CPT-4 |
| 27240 | Closed treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture; with manipulation, with or without skin or skeletal traction | Procedure | CPT-4 |
| 27242 | Treatment Of Open Intertrochanteric, Pertrochanteric, Or Subtrochanteric Femoral Fracture, With Uncomplicated Soft Tissue Closure (including Traction) | Procedure | CPT-4 |
| 27244 | Treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture; with plate/screw type implant, with or without cerclage | Procedure | CPT-4 |
| 27246 | Closed treatment of greater trochanteric fracture, without manipulation | Procedure | CPT-4 |
| 27248 | Open treatment of greater trochanteric fracture, includes internal fixation, when performed | Procedure | CPT-4 |
| 29010 | Application of Risser jacket, localizer, body; only | Procedure | CPT-4 |
| 29015 | Application of Risser jacket, localizer, body; including head | Procedure | CPT-4 |
| 29020 | Application of turnbuckle jacket, body; only | Procedure | CPT-4 |
| 29025 | Application of turnbuckle jacket, body; including head | Procedure | CPT-4 |
| 29035 | Application of body cast, shoulder to hips; | Procedure | CPT-4 |
| 29040 | Application of body cast, shoulder to hips; including head, Minerva type | Procedure | CPT-4 |
| 29044 | Application of body cast, shoulder to hips; including 1 thigh | Procedure | CPT-4 |
| 29046 | Application of body cast, shoulder to hips; including both thighs | Procedure | CPT-4 |
| 29305 | Application of hip spica cast; 1 leg | Procedure | CPT-4 |
| 29325 | Application of hip spica cast; 1 and one-half spica or both legs | Procedure | CPT-4 |
| 29345 | Application of long leg cast (thigh to toes); | Procedure | CPT-4 |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-----------------------------|--|----------------------|------------------|
| 29355 | Application of long leg cast (thigh to toes); walker or ambulatory type | Procedure | CPT-4 |
| 29358 | Application of long leg cast brace | Procedure | CPT-4 |
| 29365 | Application of cylinder cast (thigh to ankle) | Procedure | CPT-4 |
| 29505 | Application of long leg splint (thigh to ankle or toes) | Procedure | CPT-4 |
| 29520 | Strapping; hip | Procedure | CPT-4 |
| 29799 | Unlisted procedure, casting or strapping | Procedure | CPT-4 |
| Radius/Ulna Fracture | | | |
| 733.12 | Pathologic fracture of distal radius and ulna | Diagnosis | ICD-9-CM |
| 813 | Fracture of radius and ulna | Diagnosis | ICD-9-CM |
| 813.0 | Closed fracture of upper end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.00 | Unspecified fracture of radius and ulna, upper end of forearm, closed | Diagnosis | ICD-9-CM |
| 813.01 | Closed fracture of olecranon process of ulna | Diagnosis | ICD-9-CM |
| 813.02 | Closed fracture of coronoid process of ulna | Diagnosis | ICD-9-CM |
| 813.03 | Closed Monteggia's fracture | Diagnosis | ICD-9-CM |
| 813.04 | Other and unspecified closed fractures of proximal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.05 | Closed fracture of head of radius | Diagnosis | ICD-9-CM |
| 813.06 | Closed fracture of neck of radius | Diagnosis | ICD-9-CM |
| 813.07 | Other and unspecified closed fractures of proximal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.08 | Closed fracture of radius with ulna, upper end (any part) | Diagnosis | ICD-9-CM |
| 813.1 | Open fracture of upper end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.10 | Unspecified open fracture of upper end of forearm | Diagnosis | ICD-9-CM |
| 813.11 | Open fracture of olecranon process of ulna | Diagnosis | ICD-9-CM |
| 813.12 | Open fracture of coronoid process of ulna | Diagnosis | ICD-9-CM |
| 813.13 | Open Monteggia's fracture | Diagnosis | ICD-9-CM |
| 813.14 | Other and unspecified open fractures of proximal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.15 | Open fracture of head of radius | Diagnosis | ICD-9-CM |
| 813.16 | Open fracture of neck of radius | Diagnosis | ICD-9-CM |
| 813.17 | Other and unspecified open fractures of proximal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.18 | Open fracture of radius with ulna, upper end (any part) | Diagnosis | ICD-9-CM |
| 813.2 | Closed fracture of shaft of radius and ulna | Diagnosis | ICD-9-CM |
| 813.20 | Unspecified closed fracture of shaft of radius or ulna | Diagnosis | ICD-9-CM |
| 813.21 | Closed fracture of shaft of radius (alone) | Diagnosis | ICD-9-CM |
| 813.22 | Closed fracture of shaft of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.23 | Closed fracture of shaft of radius with ulna | Diagnosis | ICD-9-CM |
| 813.3 | Open fracture of shaft of radius and ulna | Diagnosis | ICD-9-CM |
| 813.30 | Unspecified open fracture of shaft of radius or ulna | Diagnosis | ICD-9-CM |
| 813.31 | Open fracture of shaft of radius (alone) | Diagnosis | ICD-9-CM |
| 813.32 | Open fracture of shaft of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.33 | Open fracture of shaft of radius with ulna | Diagnosis | ICD-9-CM |
| 813.4 | Closed fracture of lower end of radius and ulna | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 813.40 | Unspecified closed fracture of lower end of forearm | Diagnosis | ICD-9-CM |
| 813.41 | Closed Colles' fracture | Diagnosis | ICD-9-CM |
| 813.42 | Other closed fractures of distal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.43 | Closed fracture of distal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.44 | Closed fracture of lower end of radius with ulna | Diagnosis | ICD-9-CM |
| 813.45 | Torus fracture of radius (alone) | Diagnosis | ICD-9-CM |
| 813.46 | Torus fracture of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.47 | Torus fracture of radius and ulna | Diagnosis | ICD-9-CM |
| 813.5 | Open fracture of lower end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.50 | Unspecified open fracture of lower end of forearm | Diagnosis | ICD-9-CM |
| 813.51 | Open Colles' fracture | Diagnosis | ICD-9-CM |
| 813.52 | Other open fractures of distal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.53 | Open fracture of distal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.54 | Open fracture of lower end of radius with ulna | Diagnosis | ICD-9-CM |
| 813.8 | Closed fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.80 | Closed fracture of unspecified part of forearm | Diagnosis | ICD-9-CM |
| 813.81 | Closed fracture of unspecified part of radius (alone) | Diagnosis | ICD-9-CM |
| 813.82 | Closed fracture of unspecified part of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.83 | Closed fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.9 | Open fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.90 | Open fracture of unspecified part of forearm | Diagnosis | ICD-9-CM |
| 813.91 | Open fracture of unspecified part of radius (alone) | Diagnosis | ICD-9-CM |
| 813.92 | Open fracture of unspecified part of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.93 | Open fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| M80.031A | Age-related osteoporosis with current pathological fracture, right forearm, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.032A | Age-related osteoporosis with current pathological fracture, left forearm, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.039A | Age-related osteoporosis with current pathological fracture, unspecified forearm, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.831A | Other osteoporosis with current pathological fracture, right forearm, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.832A | Other osteoporosis with current pathological fracture, left forearm, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.839A | Other osteoporosis with current pathological fracture, unspecified forearm, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.431A | Pathological fracture, right ulna, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.432A | Pathological fracture, left ulna, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.433A | Pathological fracture, right radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.434A | Pathological fracture, left radius, initial encounter for fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| M84.439A | Pathological fracture, unspecified ulna and radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.531A | Pathological fracture in neoplastic disease, right ulna, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.532A | Pathological fracture in neoplastic disease, left ulna, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.533A | Pathological fracture in neoplastic disease, right radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.534A | Pathological fracture in neoplastic disease, left radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.539A | Pathological fracture in neoplastic disease, unspecified ulna and radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.631A | Pathological fracture in other disease, right ulna, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.632A | Pathological fracture in other disease, left ulna, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.633A | Pathological fracture in other disease, right radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.634A | Pathological fracture in other disease, left radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.639A | Pathological fracture in other disease, unspecified ulna and radius, initial encounter for fracture | Diagnosis | ICD-10-CM |
| S52.001A | Unspecified fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.001B | Unspecified fracture of upper end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.001C | Unspecified fracture of upper end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.002A | Unspecified fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.002B | Unspecified fracture of upper end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.002C | Unspecified fracture of upper end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.009A | Unspecified fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.009B | Unspecified fracture of upper end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.009C | Unspecified fracture of upper end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.011A | Torus fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.012A | Torus fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.019A | Torus fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.021A | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.021B | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.021C | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.022A | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.022B | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.022C | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.023A | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.023B | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.023C | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.024A | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.024B | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.024C | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.025A | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.025B | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.025C | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.026A | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.026B | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.026C | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.031A | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.031B | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.031C | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.032A | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.032B | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.032C | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.033A | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.033B | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.033C | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.034A | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.034B | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.034C | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.035A | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.035B | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.035C | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.036A | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.036B | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.036C | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.041A | Displaced fracture of coronoid process of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.041B | Displaced fracture of coronoid process of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.041C | Displaced fracture of coronoid process of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.042A | Displaced fracture of coronoid process of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.042B | Displaced fracture of coronoid process of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.042C | Displaced fracture of coronoid process of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.043A | Displaced fracture of coronoid process of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.043B | Displaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.043C | Displaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.044A | Nondisplaced fracture of coronoid process of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.044B | Nondisplaced fracture of coronoid process of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.044C | Nondisplaced fracture of coronoid process of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.045A | Nondisplaced fracture of coronoid process of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.045B | Nondisplaced fracture of coronoid process of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.045C | Nondisplaced fracture of coronoid process of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.046A | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.046B | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.046C | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.091A | Other fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.091B | Other fracture of upper end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.091C | Other fracture of upper end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.092A | Other fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.092B | Other fracture of upper end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.092C | Other fracture of upper end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.099A | Other fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.099B | Other fracture of upper end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.099C | Other fracture of upper end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.101A | Unspecified fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.101B | Unspecified fracture of upper end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.101C | Unspecified fracture of upper end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.102A | Unspecified fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.102B | Unspecified fracture of upper end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.102C | Unspecified fracture of upper end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.109A | Unspecified fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.109B | Unspecified fracture of upper end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.109C | Unspecified fracture of upper end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.111A | Torus fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.112A | Torus fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.119A | Torus fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.121A | Displaced fracture of head of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.121B | Displaced fracture of head of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.121C | Displaced fracture of head of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.122A | Displaced fracture of head of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.122B | Displaced fracture of head of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.122C | Displaced fracture of head of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.123A | Displaced fracture of head of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.123B | Displaced fracture of head of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.123C | Displaced fracture of head of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.124A | Nondisplaced fracture of head of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.124B | Nondisplaced fracture of head of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.124C | Nondisplaced fracture of head of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.125A | Nondisplaced fracture of head of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.125B | Nondisplaced fracture of head of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.125C | Nondisplaced fracture of head of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.126A | Nondisplaced fracture of head of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.126B | Nondisplaced fracture of head of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.126C | Nondisplaced fracture of head of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.131A | Displaced fracture of neck of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.131B | Displaced fracture of neck of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.131C | Displaced fracture of neck of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.132A | Displaced fracture of neck of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.132B | Displaced fracture of neck of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.132C | Displaced fracture of neck of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.133A | Displaced fracture of neck of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.133B | Displaced fracture of neck of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.133C | Displaced fracture of neck of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.134A | Nondisplaced fracture of neck of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.134B | Nondisplaced fracture of neck of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.134C | Nondisplaced fracture of neck of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.135A | Nondisplaced fracture of neck of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.135B | Nondisplaced fracture of neck of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.135C | Nondisplaced fracture of neck of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.136A | Nondisplaced fracture of neck of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.136B | Nondisplaced fracture of neck of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.136C | Nondisplaced fracture of neck of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.181A | Other fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.181B | Other fracture of upper end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.181C | Other fracture of upper end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.182A | Other fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.182B | Other fracture of upper end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.182C | Other fracture of upper end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.189A | Other fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.189B | Other fracture of upper end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.189C | Other fracture of upper end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.201A | Unspecified fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.201B | Unspecified fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.201C | Unspecified fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.202A | Unspecified fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.202B | Unspecified fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.202C | Unspecified fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.209A | Unspecified fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.209B | Unspecified fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.209C | Unspecified fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.211A | Greenstick fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.212A | Greenstick fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.219A | Greenstick fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.221A | Displaced transverse fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.221B | Displaced transverse fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.221C | Displaced transverse fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.222A | Displaced transverse fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.222B | Displaced transverse fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.222C | Displaced transverse fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.223A | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.223B | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.223C | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.224A | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.224B | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.224C | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.225A | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.225B | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.225C | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.226A | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.226B | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.226C | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.231A | Displaced oblique fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.231B | Displaced oblique fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.231C | Displaced oblique fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.232A | Displaced oblique fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.232B | Displaced oblique fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.232C | Displaced oblique fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.233A | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.233B | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.233C | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.234A | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.234B | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.234C | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.235A | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.235B | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.235C | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.236A | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.236B | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.236C | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.241A | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.241B | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.241C | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.242A | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.242B | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.242C | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.243A | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.243B | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.243C | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.244A | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.244B | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.244C | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.245A | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.245B | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.245C | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.246A | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.246B | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.246C | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.251A | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.251B | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.251C | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.252A | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.252B | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.252C | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.253A | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.253B | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.253C | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.254A | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.254B | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.254C | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.255A | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.255B | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.255C | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.256A | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.256B | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.256C | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.261A | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.261B | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.261C | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.262A | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.262B | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.262C | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.263A | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.263B | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.263C | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.264A | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.264B | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.264C | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.265A | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.265B | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.265C | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.266A | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.266B | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.266C | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.271A | Monteggia's fracture of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.271B | Monteggia's fracture of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.271C | Monteggia's fracture of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.272A | Monteggia's fracture of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.272B | Monteggia's fracture of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.272C | Monteggia's fracture of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.279A | Monteggia's fracture of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.279B | Monteggia's fracture of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.279C | Monteggia's fracture of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.281A | Bent bone of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.281B | Bent bone of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.281C | Bent bone of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.282A | Bent bone of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.282B | Bent bone of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.282C | Bent bone of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.283A | Bent bone of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.283B | Bent bone of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.283C | Bent bone of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.291A | Other fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.291B | Other fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.291C | Other fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.292A | Other fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.292B | Other fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.292C | Other fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.299A | Other fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.299B | Other fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.299C | Other fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.301A | Unspecified fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.301B | Unspecified fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.301C | Unspecified fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.302A | Unspecified fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.302B | Unspecified fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.302C | Unspecified fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.309A | Unspecified fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.309B | Unspecified fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.309C | Unspecified fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.311A | Greenstick fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.312A | Greenstick fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.319A | Greenstick fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.321A | Displaced transverse fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.321B | Displaced transverse fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.321C | Displaced transverse fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.322A | Displaced transverse fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.322B | Displaced transverse fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.322C | Displaced transverse fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.323A | Displaced transverse fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.323B | Displaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.323C | Displaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.324A | Nondisplaced transverse fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.324B | Nondisplaced transverse fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.324C | Nondisplaced transverse fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.325A | Nondisplaced transverse fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.325B | Nondisplaced transverse fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.325C | Nondisplaced transverse fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.326A | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.326B | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.326C | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.331A | Displaced oblique fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.331B | Displaced oblique fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.331C | Displaced oblique fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.332A | Displaced oblique fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.332B | Displaced oblique fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.332C | Displaced oblique fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.333A | Displaced oblique fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.333B | Displaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.333C | Displaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.334A | Nondisplaced oblique fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.334B | Nondisplaced oblique fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.334C | Nondisplaced oblique fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.335A | Nondisplaced oblique fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.335B | Nondisplaced oblique fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.335C | Nondisplaced oblique fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.336A | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.336B | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.336C | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.341A | Displaced spiral fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.341B | Displaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.341C | Displaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.342A | Displaced spiral fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.342B | Displaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.342C | Displaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.343A | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.343B | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.343C | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.344A | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.344B | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.344C | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.345A | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.345B | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.345C | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.346A | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.346B | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.346C | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.351A | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.351B | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.351C | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.352A | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.352B | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.352C | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.353A | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.353B | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.353C | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.354A | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.354B | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.354C | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.355A | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.355B | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.355C | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.356A | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.356B | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.356C | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.361A | Displaced segmental fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.361B | Displaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.361C | Displaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.362A | Displaced segmental fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.362B | Displaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.362C | Displaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.363A | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.363B | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.363C | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.364A | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.364B | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.364C | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.365A | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.365B | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.365C | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.366A | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.366B | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.366C | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.371A | Galeazzi's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.371B | Galeazzi's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.371C | Galeazzi's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.372A | Galeazzi's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.372B | Galeazzi's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.372C | Galeazzi's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.379A | Galeazzi's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.379B | Galeazzi's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.379C | Galeazzi's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.381A | Bent bone of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.381B | Bent bone of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.381C | Bent bone of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.382A | Bent bone of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.382B | Bent bone of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.382C | Bent bone of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.389A | Bent bone of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.389B | Bent bone of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.389C | Bent bone of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.391A | Other fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.391B | Other fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.391C | Other fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.392A | Other fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.392B | Other fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.392C | Other fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.399A | Other fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.399B | Other fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.399C | Other fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.501A | Unspecified fracture of the lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.501B | Unspecified fracture of the lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.501C | Unspecified fracture of the lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.502A | Unspecified fracture of the lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.502B | Unspecified fracture of the lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.502C | Unspecified fracture of the lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.509A | Unspecified fracture of the lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.509B | Unspecified fracture of the lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.509C | Unspecified fracture of the lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.511A | Displaced fracture of right radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.511B | Displaced fracture of right radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.511C | Displaced fracture of right radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.512A | Displaced fracture of left radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.512B | Displaced fracture of left radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.512C | Displaced fracture of left radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.513A | Displaced fracture of unspecified radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.513B | Displaced fracture of unspecified radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.513C | Displaced fracture of unspecified radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.514A | Nondisplaced fracture of right radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.514B | Nondisplaced fracture of right radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.514C | Nondisplaced fracture of right radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.515A | Nondisplaced fracture of left radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.515B | Nondisplaced fracture of left radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.515C | Nondisplaced fracture of left radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.516A | Nondisplaced fracture of unspecified radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.516B | Nondisplaced fracture of unspecified radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.516C | Nondisplaced fracture of unspecified radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.521A | Torus fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.522A | Torus fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.529A | Torus fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.531A | Colles' fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.531B | Colles' fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.531C | Colles' fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.532A | Colles' fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.532B | Colles' fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.532C | Colles' fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.539A | Colles' fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.539B | Colles' fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.539C | Colles' fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.541A | Smith's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.541B | Smith's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.541C | Smith's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.542A | Smith's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.542B | Smith's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.542C | Smith's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.549A | Smith's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.549B | Smith's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.549C | Smith's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.551A | Other extraarticular fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.551B | Other extraarticular fracture of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.551C | Other extraarticular fracture of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.552A | Other extraarticular fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.552B | Other extraarticular fracture of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.552C | Other extraarticular fracture of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.559A | Other extraarticular fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.559B | Other extraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.559C | Other extraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.561A | Barton's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.561B | Barton's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.561C | Barton's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.562A | Barton's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.562B | Barton's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.562C | Barton's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.569A | Barton's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.569B | Barton's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.569C | Barton's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.571A | Other intraarticular fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.571B | Other intraarticular fracture of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.571C | Other intraarticular fracture of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.572A | Other intraarticular fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.572B | Other intraarticular fracture of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.572C | Other intraarticular fracture of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.579A | Other intraarticular fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.579B | Other intraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.579C | Other intraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.591A | Other fractures of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.591B | Other fractures of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.591C | Other fractures of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.592A | Other fractures of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.592B | Other fractures of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.592C | Other fractures of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.599A | Other fractures of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.599B | Other fractures of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.599C | Other fractures of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.601A | Unspecified fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.601B | Unspecified fracture of lower end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.601C | Unspecified fracture of lower end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.602A | Unspecified fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.602B | Unspecified fracture of lower end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.602C | Unspecified fracture of lower end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.609A | Unspecified fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.609B | Unspecified fracture of lower end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.609C | Unspecified fracture of lower end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.611A | Displaced fracture of right ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.611B | Displaced fracture of right ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.611C | Displaced fracture of right ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.612A | Displaced fracture of left ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.612B | Displaced fracture of left ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.612C | Displaced fracture of left ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.613A | Displaced fracture of unspecified ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.613B | Displaced fracture of unspecified ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.613C | Displaced fracture of unspecified ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.614A | Nondisplaced fracture of right ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.614B | Nondisplaced fracture of right ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.614C | Nondisplaced fracture of right ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.615A | Nondisplaced fracture of left ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.615B | Nondisplaced fracture of left ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.615C | Nondisplaced fracture of left ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.616A | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.616B | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.616C | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.621A | Torus fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.622A | Torus fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.629A | Torus fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.691A | Other fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.691B | Other fracture of lower end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.691C | Other fracture of lower end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.692A | Other fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.692B | Other fracture of lower end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.692C | Other fracture of lower end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.699A | Other fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.699B | Other fracture of lower end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.699C | Other fracture of lower end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.90XA | Unspecified fracture of unspecified forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.90XB | Unspecified fracture of unspecified forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.90XC | Unspecified fracture of unspecified forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.91XA | Unspecified fracture of right forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.91XB | Unspecified fracture of right forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.91XC | Unspecified fracture of right forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.92XA | Unspecified fracture of left forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.92XB | Unspecified fracture of left forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.92XC | Unspecified fracture of left forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S59.001A | Unspecified physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.002A | Unspecified physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.009A | Unspecified physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.011A | Salter-Harris Type I physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.012A | Salter-Harris Type I physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.019A | Salter-Harris Type I physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.021A | Salter-Harris Type II physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.022A | Salter-Harris Type II physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.029A | Salter-Harris Type II physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.031A | Salter-Harris Type III physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.032A | Salter-Harris Type III physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.039A | Salter-Harris Type III physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.041A | Salter-Harris Type IV physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.042A | Salter-Harris Type IV physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.049A | Salter-Harris Type IV physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.091A | Other physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.092A | Other physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.099A | Other physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.101A | Unspecified physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.102A | Unspecified physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.109A | Unspecified physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.111A | Salter-Harris Type I physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.112A | Salter-Harris Type I physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.119A | Salter-Harris Type I physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.121A | Salter-Harris Type II physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.122A | Salter-Harris Type II physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.129A | Salter-Harris Type II physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.131A | Salter-Harris Type III physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.132A | Salter-Harris Type III physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.139A | Salter-Harris Type III physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.141A | Salter-Harris Type IV physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.142A | Salter-Harris Type IV physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.149A | Salter-Harris Type IV physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.191A | Other physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.192A | Other physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.199A | Other physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.201A | Unspecified physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.202A | Unspecified physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.209A | Unspecified physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.211A | Salter-Harris Type I physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.212A | Salter-Harris Type I physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.219A | Salter-Harris Type I physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.221A | Salter-Harris Type II physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.222A | Salter-Harris Type II physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.229A | Salter-Harris Type II physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.231A | Salter-Harris Type III physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.232A | Salter-Harris Type III physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.239A | Salter-Harris Type III physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.241A | Salter-Harris Type IV physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.242A | Salter-Harris Type IV physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S59.249A | Salter-Harris Type IV physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.291A | Other physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.292A | Other physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.299A | Other physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| 78.53 | Internal fixation of radius and ulna without fracture reduction | Procedure | ICD-9-CM |
| 79.02 | Closed reduction of fracture of radius and ulna without internal fixation | Procedure | ICD-9-CM |
| 79.12 | Closed reduction of fracture of radius and ulna with internal fixation | Procedure | ICD-9-CM |
| 79.22 | Open reduction of fracture of radius and ulna without internal fixation | Procedure | ICD-9-CM |
| 79.32 | Open reduction of fracture of radius and ulna with internal fixation | Procedure | ICD-9-CM |
| 79.62 | Debridement of open fracture of radius and ulna | Procedure | ICD-9-CM |
| 0PBH0ZZ | Excision of Right Radius, Open Approach | Procedure | ICD-10-PCS |
| 0PBJ0ZZ | Excision of Left Radius, Open Approach | Procedure | ICD-10-PCS |
| 0PBK0ZZ | Excision of Right Ulna, Open Approach | Procedure | ICD-10-PCS |
| 0PBL0ZZ | Excision of Left Ulna, Open Approach | Procedure | ICD-10-PCS |
| OPHH04Z | Insertion of Internal Fixation Device into Right Radius, Open Approach | Procedure | ICD-10-PCS |
| OPHH06Z | Insertion of Intramedullary Internal Fixation Device into Right Radius, Open Approach | Procedure | ICD-10-PCS |
| OPHH34Z | Insertion of Internal Fixation Device into Right Radius, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHH36Z | Insertion of Intramedullary Internal Fixation Device into Right Radius, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHH44Z | Insertion of Internal Fixation Device into Right Radius, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHH46Z | Insertion of Intramedullary Internal Fixation Device into Right Radius, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHJ04Z | Insertion of Internal Fixation Device into Left Radius, Open Approach | Procedure | ICD-10-PCS |
| OPHJ06Z | Insertion of Intramedullary Internal Fixation Device into Left Radius, Open Approach | Procedure | ICD-10-PCS |
| OPHJ34Z | Insertion of Internal Fixation Device into Left Radius, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHJ36Z | Insertion of Intramedullary Internal Fixation Device into Left Radius, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHJ44Z | Insertion of Internal Fixation Device into Left Radius, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHJ46Z | Insertion of Intramedullary Internal Fixation Device into Left Radius, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHK04Z | Insertion of Internal Fixation Device into Right Ulna, Open Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| OPHK06Z | Insertion of Intramedullary Internal Fixation Device into Right Ulna, Open Approach | Procedure | ICD-10-PCS |
| OPHK34Z | Insertion of Internal Fixation Device into Right Ulna, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHK36Z | Insertion of Intramedullary Internal Fixation Device into Right Ulna, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHK44Z | Insertion of Internal Fixation Device into Right Ulna, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHK46Z | Insertion of Intramedullary Internal Fixation Device into Right Ulna, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHL04Z | Insertion of Internal Fixation Device into Left Ulna, Open Approach | Procedure | ICD-10-PCS |
| OPHL06Z | Insertion of Intramedullary Internal Fixation Device into Left Ulna, Open Approach | Procedure | ICD-10-PCS |
| OPHL34Z | Insertion of Internal Fixation Device into Left Ulna, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHL36Z | Insertion of Intramedullary Internal Fixation Device into Left Ulna, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPHL44Z | Insertion of Internal Fixation Device into Left Ulna, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPHL46Z | Insertion of Intramedullary Internal Fixation Device into Left Ulna, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH04Z | Reposition Right Radius with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSH05Z | Reposition Right Radius with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSH06Z | Reposition Right Radius with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSH0BZ | Reposition Right Radius with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSH0CZ | Reposition Right Radius with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSH0DZ | Reposition Right Radius with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSH0ZZ | Reposition Right Radius, Open Approach | Procedure | ICD-10-PCS |
| OPSH34Z | Reposition Right Radius with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSH35Z | Reposition Right Radius with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSH36Z | Reposition Right Radius with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSH3BZ | Reposition Right Radius with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSH3CZ | Reposition Right Radius with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSH3DZ | Reposition Right Radius with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| OPSH3ZZ | Reposition Right Radius, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSH44Z | Reposition Right Radius with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH45Z | Reposition Right Radius with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH46Z | Reposition Right Radius with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH4BZ | Reposition Right Radius with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH4CZ | Reposition Right Radius with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH4DZ | Reposition Right Radius with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSH4ZZ | Reposition Right Radius, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSHXZZ | Reposition Right Radius, External Approach | Procedure | ICD-10-PCS |
| OPSI04Z | Reposition Left Radius with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSI05Z | Reposition Left Radius with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSI06Z | Reposition Left Radius with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSI0BZ | Reposition Left Radius with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSI0CZ | Reposition Left Radius with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSI0DZ | Reposition Left Radius with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSI0ZZ | Reposition Left Radius, Open Approach | Procedure | ICD-10-PCS |
| OPSI34Z | Reposition Left Radius with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI35Z | Reposition Left Radius with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI36Z | Reposition Left Radius with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI3BZ | Reposition Left Radius with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI3CZ | Reposition Left Radius with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI3DZ | Reposition Left Radius with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI3ZZ | Reposition Left Radius, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSI44Z | Reposition Left Radius with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSI45Z | Reposition Left Radius with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OPSJ46Z | Reposition Left Radius with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSJ4BZ | Reposition Left Radius with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSJ4CZ | Reposition Left Radius with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSJ4DZ | Reposition Left Radius with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSJ4ZZ | Reposition Left Radius, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSJXZZ | Reposition Left Radius, External Approach | Procedure | ICD-10-PCS |
| OPSK04Z | Reposition Right Ulna with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSK05Z | Reposition Right Ulna with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSK06Z | Reposition Right Ulna with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSK0BZ | Reposition Right Ulna with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSK0CZ | Reposition Right Ulna with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSK0DZ | Reposition Right Ulna with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSK0ZZ | Reposition Right Ulna, Open Approach | Procedure | ICD-10-PCS |
| OPSK34Z | Reposition Right Ulna with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK35Z | Reposition Right Ulna with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK36Z | Reposition Right Ulna with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK3BZ | Reposition Right Ulna with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK3CZ | Reposition Right Ulna with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK3DZ | Reposition Right Ulna with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK3ZZ | Reposition Right Ulna, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSK44Z | Reposition Right Ulna with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSK45Z | Reposition Right Ulna with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSK46Z | Reposition Right Ulna with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSK4BZ | Reposition Right Ulna with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSK4CZ | Reposition Right Ulna with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OPSK4DZ | Reposition Right Ulna with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSK4ZZ | Reposition Right Ulna, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSKXZZ | Reposition Right Ulna, External Approach | Procedure | ICD-10-PCS |
| OPSL04Z | Reposition Left Ulna with Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSL05Z | Reposition Left Ulna with External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSL06Z | Reposition Left Ulna with Intramedullary Internal Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSL0BZ | Reposition Left Ulna with Monoplanar External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSL0CZ | Reposition Left Ulna with Ring External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSL0DZ | Reposition Left Ulna with Hybrid External Fixation Device, Open Approach | Procedure | ICD-10-PCS |
| OPSL0ZZ | Reposition Left Ulna, Open Approach | Procedure | ICD-10-PCS |
| OPSL34Z | Reposition Left Ulna with Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL35Z | Reposition Left Ulna with External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL36Z | Reposition Left Ulna with Intramedullary Internal Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL3BZ | Reposition Left Ulna with Monoplanar External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL3CZ | Reposition Left Ulna with Ring External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL3DZ | Reposition Left Ulna with Hybrid External Fixation Device, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL3ZZ | Reposition Left Ulna, Percutaneous Approach | Procedure | ICD-10-PCS |
| OPSL44Z | Reposition Left Ulna with Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSL45Z | Reposition Left Ulna with External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSL46Z | Reposition Left Ulna with Intramedullary Internal Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSL4BZ | Reposition Left Ulna with Monoplanar External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSL4CZ | Reposition Left Ulna with Ring External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSL4DZ | Reposition Left Ulna with Hybrid External Fixation Device, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSL4ZZ | Reposition Left Ulna, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| OPSLXZZ | Reposition Left Ulna, External Approach | Procedure | ICD-10-PCS |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 24580 | Treatment Of Closed Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna And/or Proximal Radius), Treatment With Traction, (pin Or Skin); Without Manipulation | Procedure | CPT-4 |
| 24581 | Treatment Of Closed Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna And/or Proximal Radius), Treatment With Traction, (pin Or Skin); With Manipulation | Procedure | CPT-4 |
| 24583 | Treatment Of Open Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna And/or Proximal Radius), With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24585 | Open Treatment Of Closed Or Open Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna/radius), With Or Without Internal Or External Skeletal Fixation; | Procedure | CPT-4 |
| 24586 | Open treatment of periarticular fracture and/or dislocation of the elbow (fracture distal humerus and proximal ulna and/or proximal radius); | Procedure | CPT-4 |
| 24587 | Open treatment of periarticular fracture and/or dislocation of the elbow (fracture distal humerus and proximal ulna and/or proximal radius); with implant arthroplasty | Procedure | CPT-4 |
| 24588 | Open Treatment Of Closed Or Open Comminuted Elbow Fracture (fracture Distal Humerus And/or Proximal Ulna/radius), With Or Without Internal Or External Skeletal Fixation; With Implants And Fascia Lata Ligament Reconstruction | Procedure | CPT-4 |
| 24620 | Closed treatment of Monteggia type of fracture dislocation at elbow (fracture proximal end of ulna with dislocation of radial head), with manipulation | Procedure | CPT-4 |
| 24625 | Treatment Of Open Monteggia Type Of Fracture Dislocation At Elbow (fracture Proximal End Of Ulna With Dislocation Of Radial Head), With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24635 | Open treatment of Monteggia type of fracture dislocation at elbow (fracture proximal end of ulna with dislocation of radial head), includes internal fixation, when performed | Procedure | CPT-4 |
| 24650 | Closed treatment of radial head or neck fracture; without manipulation | Procedure | CPT-4 |
| 24655 | Closed treatment of radial head or neck fracture; with manipulation | Procedure | CPT-4 |
| 24660 | Treatment Of Open Radial Head Or Neck Fracture, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24665 | Open treatment of radial head or neck fracture, includes internal fixation or radial head excision, when performed; | Procedure | CPT-4 |
| 24666 | Open treatment of radial head or neck fracture, includes internal fixation or radial head excision, when performed; with radial head prosthetic replacement | Procedure | CPT-4 |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 24670 | Closed treatment of ulnar fracture, proximal end (eg, olecranon or coronoid process[es]); without manipulation | Procedure | CPT-4 |
| 24675 | Closed treatment of ulnar fracture, proximal end (eg, olecranon or coronoid process[es]); with manipulation | Procedure | CPT-4 |
| 24680 | Treatment Of Open Ulnar Fracture, Proximal End (olecranon Process), With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 24685 | Open treatment of ulnar fracture, proximal end (eg, olecranon or coronoid process[es]), includes internal fixation, when performed | Procedure | CPT-4 |
| 25500 | Closed treatment of radial shaft fracture; without manipulation | Procedure | CPT-4 |
| 25505 | Closed treatment of radial shaft fracture; with manipulation | Procedure | CPT-4 |
| 25510 | Treatment Of Open Radial Shaft Fracture, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 25515 | Open treatment of radial shaft fracture, includes internal fixation, when performed | Procedure | CPT-4 |
| 25530 | Closed treatment of ulnar shaft fracture; without manipulation | Procedure | CPT-4 |
| 25535 | Closed treatment of ulnar shaft fracture; with manipulation | Procedure | CPT-4 |
| 25540 | Treatment Of Open Ulnar Shaft Fracture, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 25545 | Open treatment of ulnar shaft fracture, includes internal fixation, when performed | Procedure | CPT-4 |
| 25560 | Closed treatment of radial and ulnar shaft fractures; without manipulation | Procedure | CPT-4 |
| 25565 | Closed treatment of radial and ulnar shaft fractures; with manipulation | Procedure | CPT-4 |
| 25570 | Treatment Of Open Radial And Ulnar Shaft Fractures, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 25575 | Open treatment of radial AND ulnar shaft fractures, with internal fixation, when performed; of radius AND ulna | Procedure | CPT-4 |
| 25600 | Closed treatment of distal radial fracture (eg, Colles or Smith type) or epiphyseal separation, includes closed treatment of fracture of ulnar styloid, when performed; without manipulation | Procedure | CPT-4 |
| 25605 | Closed treatment of distal radial fracture (eg, Colles or Smith type) or epiphyseal separation, includes closed treatment of fracture of ulnar styloid, when performed; with manipulation | Procedure | CPT-4 |
| 25610 | Treatment Of Closed, Complex, Distal Radial Fracture (eg, Colles Or Smith Type) Or Epiphyseal Separation, With Or Without Fracture Of Ulnar Styloid, Requiring Manipulation; Without External Skeletal Fixation Or Percutaneous Pinning | Procedure | CPT-4 |
| 25611 | Percutaneous skeletal fixation of distal radial fracture (eg, Colles or Smith type) or epiphyseal separation, with or without fracture of ulnar styloid, requiring manipulation, with or without external fixation | Procedure | CPT-4 |

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| Code | Description | Code Category | Code Type |
|---------------------------|--|----------------------|------------------|
| 25615 | Treatment Of Open Distal Radial Fracture (eg, Colles Or Smith Type) Or Epiphyseal Separation, With Or Without Fracture Of Ulnar Styloid, With Uncomplicated Soft Tissue Closure | Procedure | CPT-4 |
| 25620 | Open treatment of distal radial fracture (eg, Colles or Smith type) or epiphyseal separation, with or without fracture of ulnar styloid, with or without internal or external fixation | Procedure | CPT-4 |
| 25650 | Closed treatment of ulnar styloid fracture | Procedure | CPT-4 |
| 29065 | Application, cast; shoulder to hand (long arm) | Procedure | CPT-4 |
| 29075 | Application, cast; elbow to finger (short arm) | Procedure | CPT-4 |
| 29085 | Application, cast; hand and lower forearm (gauntlet) | Procedure | CPT-4 |
| 29105 | Application of long arm splint (shoulder to hand) | Procedure | CPT-4 |
| 29125 | Application of short arm splint (forearm to hand); static | Procedure | CPT-4 |
| 29126 | Application of short arm splint (forearm to hand); dynamic | Procedure | CPT-4 |
| 29799 | Unlisted procedure, casting or strapping | Procedure | CPT-4 |
| Vertebral Fracture | | | |
| 733.13 | Pathologic fracture of vertebrae | Diagnosis | ICD-9-CM |
| 805 | Fracture of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.0 | Closed fracture of cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.00 | Closed fracture of cervical vertebra, unspecified level without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.01 | Closed fracture of first cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.02 | Closed fracture of second cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.03 | Closed fracture of third cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.04 | Closed fracture of fourth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.05 | Closed fracture of fifth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.06 | Closed fracture of sixth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.07 | Closed fracture of seventh cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.08 | Closed fracture of multiple cervical vertebrae without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.1 | Open fracture of cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.10 | Open fracture of cervical vertebra, unspecified level without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.11 | Open fracture of first cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 805.12 | Open fracture of second cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.13 | Open fracture of third cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.14 | Open fracture of fourth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.15 | Open fracture of fifth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.16 | Open fracture of sixth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.17 | Open fracture of seventh cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.18 | Open fracture of multiple cervical vertebrae without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.2 | Closed fracture of dorsal (thoracic) vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.3 | Open fracture of dorsal (thoracic) vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.4 | Closed fracture of lumbar vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.5 | Open fracture of lumbar vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.6 | Closed fracture of sacrum and coccyx without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.7 | Open fracture of sacrum and coccyx without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.8 | Closed fracture of unspecified part of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.9 | Open fracture of unspecified part of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| M48.50XA | Collapsed vertebra, not elsewhere classified, site unspecified, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.51XA | Collapsed vertebra, not elsewhere classified, occipito-atlanto-axial region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.52XA | Collapsed vertebra, not elsewhere classified, cervical region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.53XA | Collapsed vertebra, not elsewhere classified, cervicothoracic region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.54XA | Collapsed vertebra, not elsewhere classified, thoracic region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.55XA | Collapsed vertebra, not elsewhere classified, thoracolumbar region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.56XA | Collapsed vertebra, not elsewhere classified, lumbar region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M48.57XA | Collapsed vertebra, not elsewhere classified, lumbosacral region, initial encounter for fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| M48.58XA | Collapsed vertebra, not elsewhere classified, sacral and sacrococcygeal region, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.08XA | Age-related osteoporosis with current pathological fracture, vertebra(e), initial encounter for fracture | Diagnosis | ICD-10-CM |
| M80.88XA | Other osteoporosis with current pathological fracture, vertebra(e), initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.48XA | Pathological fracture, other site, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.58XA | Pathological fracture in neoplastic disease, other specified site, initial encounter for fracture | Diagnosis | ICD-10-CM |
| M84.68XA | Pathological fracture in other disease, other site, initial encounter for fracture | Diagnosis | ICD-10-CM |
| S12.000A | Unspecified displaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.000B | Unspecified displaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.001A | Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.001B | Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.01XA | Stable burst fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.01XB | Stable burst fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.02XA | Unstable burst fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.02XB | Unstable burst fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.030A | Displaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.030B | Displaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.031A | Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.031B | Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.040A | Displaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.040B | Displaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.041A | Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.041B | Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.090A | Other displaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.090B | Other displaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.091A | Other nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.091B | Other nondisplaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.100A | Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.100B | Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.101A | Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.101B | Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.110A | Anterior displaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.110B | Anterior displaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.111A | Posterior displaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.111B | Posterior displaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.112A | Nondisplaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.112B | Nondisplaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.120A | Other displaced dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.120B | Other displaced dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.121A | Other nondisplaced dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.121B | Other nondisplaced dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.130A | Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.130B | Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.131A | Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.131B | Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.14XA | Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.14XB | Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.150A | Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.150B | Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.151A | Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.151B | Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.190A | Other displaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.190B | Other displaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.191A | Other nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.191B | Other nondisplaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.200A | Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.200B | Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.201A | Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.201B | Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.230A | Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.230B | Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.231A | Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.231B | Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.24XA | Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.24XB | Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.250A | Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.250B | Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.251A | Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.251B | Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.290A | Other displaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.290B | Other displaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.291A | Other nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.291B | Other nondisplaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.300A | Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.300B | Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.301A | Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.301B | Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.330A | Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.330B | Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.331A | Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.331B | Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.34XA | Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.34XB | Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.350A | Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.350B | Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.351A | Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.351B | Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.390A | Other displaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.390B | Other displaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.391A | Other nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.391B | Other nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.400A | Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.400B | Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.401A | Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.401B | Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.430A | Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.430B | Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.431A | Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.431B | Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.44XA | Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.44XB | Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.450A | Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.450B | Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.451A | Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.451B | Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.490A | Other displaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.490B | Other displaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.491A | Other nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.491B | Other nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.500A | Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.500B | Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.501A | Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.501B | Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.530A | Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.530B | Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.531A | Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.531B | Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.54XA | Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.54XB | Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.550A | Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.550B | Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.551A | Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.551B | Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.590A | Other displaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.590B | Other displaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.591A | Other nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.591B | Other nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.600A | Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.600B | Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.601A | Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.601B | Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.630A | Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.630B | Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.631A | Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.631B | Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.64XA | Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.64XB | Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.650A | Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.650B | Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.651A | Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.651B | Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.690A | Other displaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.690B | Other displaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.691A | Other nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.691B | Other nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.9XXA | Fracture of neck, unspecified, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S22.000A | Wedge compression fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.000B | Wedge compression fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.001A | Stable burst fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.001B | Stable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.002A | Unstable burst fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.002B | Unstable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.008A | Other fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.008B | Other fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.009A | Unspecified fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.009B | Unspecified fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.010A | Wedge compression fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.010B | Wedge compression fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.011A | Stable burst fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.011B | Stable burst fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.012A | Unstable burst fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.012B | Unstable burst fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.018A | Other fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.018B | Other fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.019A | Unspecified fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.019B | Unspecified fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.020A | Wedge compression fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.020B | Wedge compression fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.021A | Stable burst fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.021B | Stable burst fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.022A | Unstable burst fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.022B | Unstable burst fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.028A | Other fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.028B | Other fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.029A | Unspecified fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.029B | Unspecified fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.030A | Wedge compression fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.030B | Wedge compression fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.031A | Stable burst fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.031B | Stable burst fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.032A | Unstable burst fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.032B | Unstable burst fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.038A | Other fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.038B | Other fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.039A | Unspecified fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.039B | Unspecified fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.040A | Wedge compression fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.040B | Wedge compression fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S22.041A | Stable burst fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.041B | Stable burst fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.042A | Unstable burst fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.042B | Unstable burst fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.048A | Other fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.048B | Other fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.049A | Unspecified fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.049B | Unspecified fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.050A | Wedge compression fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.050B | Wedge compression fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.051A | Stable burst fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.051B | Stable burst fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.052A | Unstable burst fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.052B | Unstable burst fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.058A | Other fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.058B | Other fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.059A | Unspecified fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.059B | Unspecified fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.060A | Wedge compression fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.060B | Wedge compression fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.061A | Stable burst fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.061B | Stable burst fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.062A | Unstable burst fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.062B | Unstable burst fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.068A | Other fracture of T7-T8 thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.068B | Other fracture of T7-T8 thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S22.069A | Unspecified fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.069B | Unspecified fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.070A | Wedge compression fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.070B | Wedge compression fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.071A | Stable burst fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.071B | Stable burst fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.072A | Unstable burst fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.072B | Unstable burst fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.078A | Other fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.078B | Other fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.079A | Unspecified fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.079B | Unspecified fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.080A | Wedge compression fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.080B | Wedge compression fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.081A | Stable burst fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.081B | Stable burst fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.082A | Unstable burst fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.082B | Unstable burst fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.088A | Other fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.088B | Other fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.089A | Unspecified fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.089B | Unspecified fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.000A | Wedge compression fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.000B | Wedge compression fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.001A | Stable burst fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.001B | Stable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.002A | Unstable burst fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.002B | Unstable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.008A | Other fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.008B | Other fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.009A | Unspecified fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.009B | Unspecified fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.010A | Wedge compression fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.010B | Wedge compression fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.011A | Stable burst fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.011B | Stable burst fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.012A | Unstable burst fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.012B | Unstable burst fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.018A | Other fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.018B | Other fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.019A | Unspecified fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.019B | Unspecified fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.020A | Wedge compression fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.020B | Wedge compression fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.021A | Stable burst fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.021B | Stable burst fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.022A | Unstable burst fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.022B | Unstable burst fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.028A | Other fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.028B | Other fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.029A | Unspecified fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.029B | Unspecified fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.030A | Wedge compression fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.030B | Wedge compression fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.031A | Stable burst fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.031B | Stable burst fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.032A | Unstable burst fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.032B | Unstable burst fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.038A | Other fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.038B | Other fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.039A | Unspecified fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.039B | Unspecified fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.040A | Wedge compression fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.040B | Wedge compression fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.041A | Stable burst fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.041B | Stable burst fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.042A | Unstable burst fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.042B | Unstable burst fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.048A | Other fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.048B | Other fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.049A | Unspecified fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.049B | Unspecified fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.050A | Wedge compression fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.050B | Wedge compression fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.051A | Stable burst fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.051B | Stable burst fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.052A | Unstable burst fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.052B | Unstable burst fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.058A | Other fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.058B | Other fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.059A | Unspecified fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.059B | Unspecified fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.10XA | Unspecified fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.10XB | Unspecified fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.110A | Nondisplaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.110B | Nondisplaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.111A | Minimally displaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.111B | Minimally displaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.112A | Severely displaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.112B | Severely displaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.119A | Unspecified Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.119B | Unspecified Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.120A | Nondisplaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|--------------------------------|--|----------------------|------------------|
| S32.120B | Nondisplaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.121A | Minimally displaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.121B | Minimally displaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.122A | Severely displaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.122B | Severely displaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.129A | Unspecified Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.129B | Unspecified Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.130A | Nondisplaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.130B | Nondisplaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.131A | Minimally displaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.131B | Minimally displaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.132A | Severely displaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.132B | Severely displaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.139A | Unspecified Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.139B | Unspecified Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.14XA | Type 1 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.14XB | Type 1 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.15XA | Type 2 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.15XB | Type 2 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.16XA | Type 3 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.16XB | Type 3 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.17XA | Type 4 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.17XB | Type 4 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.19XA | Other fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.19XB | Other fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.2XXA | Fracture of coccyx, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.2XXB | Fracture of coccyx, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| Secondary: Any Fracture | | | |
| 733.1 | Pathologic fracture | Diagnosis | ICD-9-CM |
| 800 | Fracture of vault of skull | Diagnosis | ICD-9-CM |
| 800.0 | Closed fracture of vault of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.00 | Closed fracture of vault of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.01 | Closed fracture of vault of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.02 | Closed fracture of vault of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.03 | Closed fracture of vault of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.04 | Closed fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.05 | Closed fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.06 | Closed fracture of vault of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.09 | Closed fracture of vault of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.1 | Closed fracture of vault of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 800.10 | Closed fracture of vault of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.11 | Closed fracture of vault of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.12 | Closed fracture of vault of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.13 | Closed fracture of vault of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.14 | Closed fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.15 | Closed fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.16 | Closed fracture of vault of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.19 | Closed fracture of vault of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.2 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.20 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.21 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.22 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.23 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.24 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.25 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.26 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.29 | Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.3 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 800.30 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.31 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.32 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.33 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.34 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.35 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.36 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.39 | Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.4 | Closed fracture of vault of skull with intercranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.40 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.41 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.42 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.43 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.44 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.45 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.46 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.49 | Closed fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.5 | Open fracture of vault of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 800.50 | Open fracture of vault of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.51 | Open fracture of vault of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.52 | Open fracture of vault of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.53 | Open fracture of vault of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.54 | Open fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.55 | Open fracture of vault of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.56 | Open fracture of vault of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.59 | Open fracture of vault of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.6 | Open fracture of vault of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 800.60 | Open fracture of vault of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.61 | Open fracture of vault of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.62 | Open fracture of vault of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.63 | Open fracture of vault of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.64 | Open fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.65 | Open fracture of vault of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.66 | Open fracture of vault of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.69 | Open fracture of vault of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.7 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 800.70 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.71 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.72 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.73 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.74 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.75 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.76 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.79 | Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.8 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 800.80 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 800.81 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.82 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.83 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.84 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.85 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.86 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.89 | Open fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 800.9 | Open fracture of vault of skull with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 800.90 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 800.91 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 800.92 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.93 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 800.94 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.95 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 800.96 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 800.99 | Open fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 801 | Fracture of base of skull | Diagnosis | ICD-9-CM |
| 801.0 | Closed fracture of base of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 801.00 | Closed fracture of base of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.01 | Closed fracture of base of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.02 | Closed fracture of base of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.03 | Closed fracture of base of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.04 | Closed fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.05 | Closed fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.06 | Closed fracture of base of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.09 | Closed fracture of base of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.1 | Closed fracture of base of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 801.10 | Closed fracture of base of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.11 | Closed fracture of base of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.12 | Closed fracture of base of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.13 | Closed fracture of base of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.14 | Closed fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.15 | Closed fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.16 | Closed fracture of base of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.19 | Closed fracture of base of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.2 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 801.20 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.21 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.22 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.23 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.24 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.25 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.26 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.29 | Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.3 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 801.30 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.31 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.32 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.33 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.34 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.35 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.36 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.39 | Closed fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.4 | Closed fracture of base of skull with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 801.40 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.41 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.42 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.43 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.44 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.45 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.46 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.49 | Closed fracture of base of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.5 | Open fracture of base of skull without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 801.50 | Open fracture of base of skull without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.51 | Open fracture of base of skull without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.52 | Open fracture of base of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.53 | Open fracture of base of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.54 | Open fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.55 | Open fracture of base of skull without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.56 | Open fracture of base of skull without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.59 | Open fracture of base of skull without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.6 | Open fracture of base of skull with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 801.60 | Open fracture of base of skull with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.61 | Open fracture of base of skull with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.62 | Open fracture of base of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.63 | Open fracture of base of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.64 | Open fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.65 | Open fracture of base of skull with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.66 | Open fracture of base of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.69 | Open fracture of base of skull with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.7 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 801.70 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.71 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.72 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.73 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.74 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.75 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.76 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.79 | Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.8 | Open fracture of base of skull with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 801.80 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.81 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 801.82 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.83 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.84 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.85 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.86 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.89 | Open fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 801.9 | Open fracture of base of skull with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 801.90 | Open fracture of base of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 801.91 | Open fracture of base of skull with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 801.92 | Open fracture of base of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.93 | Open fracture of base of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 801.94 | Open fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.95 | Open fracture of base of skull with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 801.96 | Open fracture of base of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 801.99 | Open fracture of base of skull with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 802 | Fracture of face bones | Diagnosis | ICD-9-CM |
| 802.0 | Nasal bones, closed fracture | Diagnosis | ICD-9-CM |
| 802.1 | Nasal bones, open fracture | Diagnosis | ICD-9-CM |
| 802.2 | Mandible, closed fracture | Diagnosis | ICD-9-CM |
| 802.20 | Closed fracture of unspecified site of mandible | Diagnosis | ICD-9-CM |
| 802.21 | Closed fracture of condylar process of mandible | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 802.22 | Closed fracture of subcondylar process of mandible | Diagnosis | ICD-9-CM |
| 802.23 | Closed fracture of coronoid process of mandible | Diagnosis | ICD-9-CM |
| 802.24 | Closed fracture of unspecified part of ramus of mandible | Diagnosis | ICD-9-CM |
| 802.25 | Closed fracture of angle of jaw | Diagnosis | ICD-9-CM |
| 802.26 | Closed fracture of symphysis of body of mandible | Diagnosis | ICD-9-CM |
| 802.27 | Closed fracture of alveolar border of body of mandible | Diagnosis | ICD-9-CM |
| 802.28 | Closed fracture of other and unspecified part of body of mandible | Diagnosis | ICD-9-CM |
| 802.29 | Closed fracture of multiple sites of mandible | Diagnosis | ICD-9-CM |
| 802.3 | Mandible, open fracture | Diagnosis | ICD-9-CM |
| 802.30 | Open fracture of unspecified site of mandible | Diagnosis | ICD-9-CM |
| 802.31 | Open fracture of condylar process of mandible | Diagnosis | ICD-9-CM |
| 802.32 | Open fracture of subcondylar process of mandible | Diagnosis | ICD-9-CM |
| 802.33 | Open fracture of coronoid process of mandible | Diagnosis | ICD-9-CM |
| 802.34 | Open fracture of unspecified part of ramus of mandible | Diagnosis | ICD-9-CM |
| 802.35 | Open fracture of angle of jaw | Diagnosis | ICD-9-CM |
| 802.36 | Open fracture of symphysis of body of mandible | Diagnosis | ICD-9-CM |
| 802.37 | Open fracture of alveolar border of body of mandible | Diagnosis | ICD-9-CM |
| 802.38 | Open fracture of other and unspecified part of body of mandible | Diagnosis | ICD-9-CM |
| 802.39 | Open fracture of multiple sites of mandible | Diagnosis | ICD-9-CM |
| 802.4 | Malar and maxillary bones, closed fracture | Diagnosis | ICD-9-CM |
| 802.5 | Malar and maxillary bones, open fracture | Diagnosis | ICD-9-CM |
| 802.6 | Orbital floor (blow-out), closed fracture | Diagnosis | ICD-9-CM |
| 802.7 | Orbital floor (blow-out), open fracture | Diagnosis | ICD-9-CM |
| 802.8 | Other facial bones, closed fracture | Diagnosis | ICD-9-CM |
| 802.9 | Other facial bones, open fracture | Diagnosis | ICD-9-CM |
| 803 | Other and unqualified skull fractures | Diagnosis | ICD-9-CM |
| 803.0 | Other closed skull fracture without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 803.00 | Other closed skull fracture without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.01 | Other closed skull fracture without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.02 | Other closed skull fracture without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.03 | Other closed skull fracture without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.04 | Other closed skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 803.05 | Other closed skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.06 | Other closed skull fracture without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.09 | Other closed skull fracture without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.1 | Other closed skull fracture with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 803.10 | Other closed skull fracture with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.11 | Other closed skull fracture with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.12 | Other closed skull fracture with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.13 | Other closed skull fracture with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.14 | Other closed skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.15 | Other closed skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.16 | Other closed skull fracture with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.19 | Other closed skull fracture with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.2 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 803.20 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.21 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.22 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.23 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.24 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.25 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.26 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.29 | Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.3 | Closed skull fracture with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 803.30 | Other closed skull fracture with other and unspecified intracranial hemorrhage, unspecified state of unconsciousness | Diagnosis | ICD-9-CM |
| 803.31 | Other closed skull fracture with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.32 | Other closed skull fracture with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.33 | Other closed skull fracture with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.34 | Other closed skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.35 | Other closed skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.36 | Other closed skull fracture with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.39 | Other closed skull fracture with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.4 | Other closed skull fracture with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 803.40 | Other closed skull fracture with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.41 | Other closed skull fracture with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.42 | Other closed skull fracture with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.43 | Other closed skull fracture with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.44 | Other closed skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.45 | Other closed skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.46 | Other closed skull fracture with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.49 | Other closed skull fracture with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.5 | Other open skull fracture without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 803.50 | Other open skull fracture without mention of injury, state of consciousness unspecified | Diagnosis | ICD-9-CM |
| 803.51 | Other open skull fracture without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.52 | Other open skull fracture without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.53 | Other open skull fracture without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.54 | Other open skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.55 | Other open skull fracture without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.56 | Other open skull fracture without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.59 | Other open skull fracture without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.6 | Other open skull fracture with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 803.60 | Other open skull fracture with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.61 | Other open skull fracture with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.62 | Other open skull fracture with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.63 | Other open skull fracture with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.64 | Other open skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.65 | Other open skull fracture with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.66 | Other open skull fracture with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.69 | Other open skull fracture with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.7 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 803.70 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.71 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.72 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.73 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.74 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.75 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.76 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.79 | Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.8 | Other open skull fracture with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 803.80 | Other open skull fracture with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.81 | Other open skull fracture with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.82 | Other open skull fracture with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.83 | Other open skull fracture with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.84 | Other open skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 803.85 | Other open skull fracture with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.86 | Other open skull fracture with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.89 | Other open skull fracture with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 803.9 | Other open skull fracture with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 803.90 | Other open skull fracture with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 803.91 | Other open skull fracture with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 803.92 | Other open skull fracture with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.93 | Other open skull fracture with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 803.94 | Other open skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.95 | Other open skull fracture with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 803.96 | Other open skull fracture with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 803.99 | Other open skull fracture with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 804 | Multiple fractures involving skull or face with other bones | Diagnosis | ICD-9-CM |
| 804.0 | Closed fractures involving skull or face with other bones, without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 804.00 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.01 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.02 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.03 | Closed fractures involving skull or face with other bones, without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 804.04 | Closed fractures involving skull or face with other bones, without mention or intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.05 | Closed fractures involving skull of face with other bones, without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.06 | Closed fractures involving skull of face with other bones, without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.09 | Closed fractures involving skull of face with other bones, without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.1 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 804.10 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.11 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.12 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.13 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.14 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.15 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.16 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.19 | Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.2 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 804.20 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.21 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.22 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 804.23 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.24 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.25 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.26 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.29 | Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.3 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 804.30 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.31 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.32 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.33 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.34 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level | Diagnosis | ICD-9-CM |
| 804.35 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.36 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.39 | Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.4 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 804.40 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.41 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.42 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.43 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.44 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.45 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.46 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.49 | Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.5 | Open fractures involving skull or face with other bones, without mention of intracranial injury | Diagnosis | ICD-9-CM |
| 804.50 | Open fractures involving skull or face with other bones, without mention of intracranial injury, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.51 | Open fractures involving skull or face with other bones, without mention of intracranial injury, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.52 | Open fractures involving skull or face with other bones, without mention of intracranial injury, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.53 | Open fractures involving skull or face with other bones, without mention of intracranial injury, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.54 | Open fractures involving skull or face with other bones, without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.55 | Open fractures involving skull or face with other bones, without mention of intracranial injury, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.56 | Open fractures involving skull or face with other bones, without mention of intracranial injury, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 804.59 | Open fractures involving skull or face with other bones, without mention of intracranial injury, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.6 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion | Diagnosis | ICD-9-CM |
| 804.60 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.61 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.62 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.63 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.64 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.65 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.66 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.69 | Open fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.7 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage | Diagnosis | ICD-9-CM |
| 804.70 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.71 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.72 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.73 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.74 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.75 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 804.76 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.79 | Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.8 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage | Diagnosis | ICD-9-CM |
| 804.80 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.81 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.82 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.83 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.84 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.85 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.86 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.89 | Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified concussion | Diagnosis | ICD-9-CM |
| 804.9 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature | Diagnosis | ICD-9-CM |
| 804.90 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified state of consciousness | Diagnosis | ICD-9-CM |
| 804.91 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, no loss of consciousness | Diagnosis | ICD-9-CM |
| 804.92 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness | Diagnosis | ICD-9-CM |
| 804.93 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 804.94 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level | Diagnosis | ICD-9-CM |
| 804.95 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing level | Diagnosis | ICD-9-CM |
| 804.96 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration | Diagnosis | ICD-9-CM |
| 804.99 | Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified concussion | Diagnosis | ICD-9-CM |
| 805 | Fracture of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.0 | Closed fracture of cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.00 | Closed fracture of cervical vertebra, unspecified level without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.01 | Closed fracture of first cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.02 | Closed fracture of second cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.03 | Closed fracture of third cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.04 | Closed fracture of fourth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.05 | Closed fracture of fifth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.06 | Closed fracture of sixth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.07 | Closed fracture of seventh cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.08 | Closed fracture of multiple cervical vertebrae without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.1 | Open fracture of cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.10 | Open fracture of cervical vertebra, unspecified level without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.11 | Open fracture of first cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.12 | Open fracture of second cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.13 | Open fracture of third cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| 805.14 | Open fracture of fourth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.15 | Open fracture of fifth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.16 | Open fracture of sixth cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.17 | Open fracture of seventh cervical vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.18 | Open fracture of multiple cervical vertebrae without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.2 | Closed fracture of dorsal (thoracic) vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.3 | Open fracture of dorsal (thoracic) vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.4 | Closed fracture of lumbar vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.5 | Open fracture of lumbar vertebra without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.6 | Closed fracture of sacrum and coccyx without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.7 | Open fracture of sacrum and coccyx without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.8 | Closed fracture of unspecified part of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 805.9 | Open fracture of unspecified part of vertebral column without mention of spinal cord injury | Diagnosis | ICD-9-CM |
| 806 | Fracture of vertebral column with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.0 | Closed fracture of cervical vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.00 | Closed fracture of C1-C4 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.01 | Closed fracture of C1-C4 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.02 | Closed fracture of C1-C4 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.03 | Closed fracture of C1-C4 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.04 | Closed fracture of C1-C4 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.05 | Closed fracture of C5-C7 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.06 | Closed fracture of C5-C7 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.07 | Closed fracture of C5-C7 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.08 | Closed fracture of C5-C7 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.09 | Closed fracture of C5-C7 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.1 | Open fracture of cervical vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.10 | Open fracture of C1-C4 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.11 | Open fracture of C1-C4 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.12 | Open fracture of C1-C4 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.13 | Open fracture of C1-C4 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.14 | Open fracture of C1-C4 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.15 | Open fracture of C5-C7 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.16 | Open fracture of C5-C7 level with complete lesion of cord | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 806.17 | Open fracture of C5-C7 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.18 | Open fracture of C5-C7 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.19 | Open fracture of C5-C7 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.2 | Closed fracture of dorsal (thoracic) vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.20 | Closed fracture of T1-T6 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.21 | Closed fracture of T1-T6 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.22 | Closed fracture of T1-T6 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.23 | Closed fracture of T1-T6 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.24 | Closed fracture of T1-T6 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.25 | Closed fracture of T7-T12 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.26 | Closed fracture of T7-T12 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.27 | Closed fracture of T7-T12 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.28 | Closed fracture of T7-T12 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.29 | Closed fracture of T7-T12 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.3 | Open fracture of dorsal vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.30 | Open fracture of T1-T6 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.31 | Open fracture of T1-T6 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.32 | Open fracture of T1-T6 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.33 | Open fracture of T1-T6 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.34 | Open fracture of T1-T6 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.35 | Open fracture of T7-T12 level with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.36 | Open fracture of T7-T12 level with complete lesion of cord | Diagnosis | ICD-9-CM |
| 806.37 | Open fracture of T7-T12 level with anterior cord syndrome | Diagnosis | ICD-9-CM |
| 806.38 | Open fracture of T7-T12 level with central cord syndrome | Diagnosis | ICD-9-CM |
| 806.39 | Open fracture of T7-T12 level with other specified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.4 | Closed fracture of lumbar spine with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.5 | Open fracture of lumbar spine with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.6 | Closed fracture of sacrum and coccyx with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.60 | Closed fracture of sacrum and coccyx with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.61 | Closed fracture of sacrum and coccyx with complete cauda equina lesion | Diagnosis | ICD-9-CM |
| 806.62 | Closed fracture of sacrum and coccyx with other cauda equina injury | Diagnosis | ICD-9-CM |
| 806.69 | Closed fracture of sacrum and coccyx with other spinal cord injury | Diagnosis | ICD-9-CM |
| 806.7 | Open fracture of sacrum and coccyx with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.70 | Open fracture of sacrum and coccyx with unspecified spinal cord injury | Diagnosis | ICD-9-CM |
| 806.71 | Open fracture of sacrum and coccyx with complete cauda equina lesion | Diagnosis | ICD-9-CM |
| 806.72 | Open fracture of sacrum and coccyx with other cauda equina injury | Diagnosis | ICD-9-CM |
| 806.79 | Open fracture of sacrum and coccyx with other spinal cord injury | Diagnosis | ICD-9-CM |
| 806.8 | Closed fracture of unspecified vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 806.9 | Open fracture of unspecified vertebra with spinal cord injury | Diagnosis | ICD-9-CM |
| 807 | Fracture of rib(s), sternum, larynx, and trachea | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 807.0 | Closed fracture of rib(s) | Diagnosis | ICD-9-CM |
| 807.00 | Closed fracture of rib(s), unspecified | Diagnosis | ICD-9-CM |
| 807.01 | Closed fracture of one rib | Diagnosis | ICD-9-CM |
| 807.02 | Closed fracture of two ribs | Diagnosis | ICD-9-CM |
| 807.03 | Closed fracture of three ribs | Diagnosis | ICD-9-CM |
| 807.04 | Closed fracture of four ribs | Diagnosis | ICD-9-CM |
| 807.05 | Closed fracture of five ribs | Diagnosis | ICD-9-CM |
| 807.06 | Closed fracture of six ribs | Diagnosis | ICD-9-CM |
| 807.07 | Closed fracture of seven ribs | Diagnosis | ICD-9-CM |
| 807.08 | Closed fracture of eight or more ribs | Diagnosis | ICD-9-CM |
| 807.09 | Closed fracture of multiple ribs, unspecified | Diagnosis | ICD-9-CM |
| 807.1 | Open fracture of rib(s) | Diagnosis | ICD-9-CM |
| 807.10 | Open fracture of rib(s), unspecified | Diagnosis | ICD-9-CM |
| 807.11 | Open fracture of one rib | Diagnosis | ICD-9-CM |
| 807.12 | Open fracture of two ribs | Diagnosis | ICD-9-CM |
| 807.13 | Open fracture of three ribs | Diagnosis | ICD-9-CM |
| 807.14 | Open fracture of four ribs | Diagnosis | ICD-9-CM |
| 807.15 | Open fracture of five ribs | Diagnosis | ICD-9-CM |
| 807.16 | Open fracture of six ribs | Diagnosis | ICD-9-CM |
| 807.17 | Open fracture of seven ribs | Diagnosis | ICD-9-CM |
| 807.18 | Open fracture of eight or more ribs | Diagnosis | ICD-9-CM |
| 807.19 | Open fracture of multiple ribs, unspecified | Diagnosis | ICD-9-CM |
| 807.2 | Closed fracture of sternum | Diagnosis | ICD-9-CM |
| 807.3 | Open fracture of sternum | Diagnosis | ICD-9-CM |
| 807.4 | Flail chest | Diagnosis | ICD-9-CM |
| 807.5 | Closed fracture of larynx and trachea | Diagnosis | ICD-9-CM |
| 807.6 | Open fracture of larynx and trachea | Diagnosis | ICD-9-CM |
| 808 | Fracture of pelvis | Diagnosis | ICD-9-CM |
| 808.0 | Closed fracture of acetabulum | Diagnosis | ICD-9-CM |
| 808.1 | Open fracture of acetabulum | Diagnosis | ICD-9-CM |
| 808.2 | Closed fracture of pubis | Diagnosis | ICD-9-CM |
| 808.3 | Open fracture of pubis | Diagnosis | ICD-9-CM |
| 808.4 | Closed fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.41 | Closed fracture of ilium | Diagnosis | ICD-9-CM |
| 808.42 | Closed fracture of ischium | Diagnosis | ICD-9-CM |
| 808.43 | Multiple closed pelvic fractures with disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.44 | Multiple closed pelvic fractures without disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.49 | Closed fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.5 | Open fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.51 | Open fracture of ilium | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 808.52 | Open fracture of ischium | Diagnosis | ICD-9-CM |
| 808.53 | Multiple open pelvic fractures with disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.54 | Multiple open pelvic fractures without disruption of pelvic circle | Diagnosis | ICD-9-CM |
| 808.59 | Open fracture of other specified part of pelvis | Diagnosis | ICD-9-CM |
| 808.8 | Unspecified closed fracture of pelvis | Diagnosis | ICD-9-CM |
| 808.9 | Unspecified open fracture of pelvis | Diagnosis | ICD-9-CM |
| 809 | Ill-defined fractures of bones of trunk | Diagnosis | ICD-9-CM |
| 809.0 | Fracture of bones of trunk, closed | Diagnosis | ICD-9-CM |
| 809.1 | Fracture of bones of trunk, open | Diagnosis | ICD-9-CM |
| 810 | Fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.0 | Closed fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.00 | Unspecified part of closed fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.01 | Closed fracture of sternal end of clavicle | Diagnosis | ICD-9-CM |
| 810.02 | Closed fracture of shaft of clavicle | Diagnosis | ICD-9-CM |
| 810.03 | Closed fracture of acromial end of clavicle | Diagnosis | ICD-9-CM |
| 810.1 | Open fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.10 | Unspecified part of open fracture of clavicle | Diagnosis | ICD-9-CM |
| 810.11 | Open fracture of sternal end of clavicle | Diagnosis | ICD-9-CM |
| 810.12 | Open fracture of shaft of clavicle | Diagnosis | ICD-9-CM |
| 810.13 | Open fracture of acromial end of clavicle | Diagnosis | ICD-9-CM |
| 811 | Fracture of scapula | Diagnosis | ICD-9-CM |
| 811.0 | Closed fracture of scapula | Diagnosis | ICD-9-CM |
| 811.00 | Closed fracture of unspecified part of scapula | Diagnosis | ICD-9-CM |
| 811.01 | Closed fracture of acromial process of scapula | Diagnosis | ICD-9-CM |
| 811.02 | Closed fracture of coracoid process of scapula | Diagnosis | ICD-9-CM |
| 811.03 | Closed fracture of glenoid cavity and neck of scapula | Diagnosis | ICD-9-CM |
| 811.09 | Closed fracture of other part of scapula | Diagnosis | ICD-9-CM |
| 811.1 | Open fracture of scapula | Diagnosis | ICD-9-CM |
| 811.10 | Open fracture of unspecified part of scapula | Diagnosis | ICD-9-CM |
| 811.11 | Open fracture of acromial process of scapula | Diagnosis | ICD-9-CM |
| 811.12 | Open fracture of coracoid process | Diagnosis | ICD-9-CM |
| 811.13 | Open fracture of glenoid cavity and neck of scapula | Diagnosis | ICD-9-CM |
| 811.19 | Open fracture of other part of scapula | Diagnosis | ICD-9-CM |
| 812 | Fracture of humerus | Diagnosis | ICD-9-CM |
| 812.0 | Closed fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.00 | Closed fracture of unspecified part of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.01 | Closed fracture of surgical neck of humerus | Diagnosis | ICD-9-CM |
| 812.02 | Closed fracture of anatomical neck of humerus | Diagnosis | ICD-9-CM |
| 812.03 | Closed fracture of greater tuberosity of humerus | Diagnosis | ICD-9-CM |
| 812.09 | Other closed fractures of upper end of humerus | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 812.1 | Open fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.10 | Open fracture of unspecified part of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.11 | Open fracture of surgical neck of humerus | Diagnosis | ICD-9-CM |
| 812.12 | Open fracture of anatomical neck of humerus | Diagnosis | ICD-9-CM |
| 812.13 | Open fracture of greater tuberosity of humerus | Diagnosis | ICD-9-CM |
| 812.19 | Other open fracture of upper end of humerus | Diagnosis | ICD-9-CM |
| 812.2 | Closed fracture of shaft or unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.20 | Closed fracture of unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.21 | Closed fracture of shaft of humerus | Diagnosis | ICD-9-CM |
| 812.3 | Open fracture of shaft or unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.30 | Open fracture of unspecified part of humerus | Diagnosis | ICD-9-CM |
| 812.31 | Open fracture of shaft of humerus | Diagnosis | ICD-9-CM |
| 812.4 | Closed fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.40 | Closed fracture of unspecified part of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.41 | Closed fracture of supracondylar humerus | Diagnosis | ICD-9-CM |
| 812.42 | Closed fracture of lateral condyle of humerus | Diagnosis | ICD-9-CM |
| 812.43 | Closed fracture of medial condyle of humerus | Diagnosis | ICD-9-CM |
| 812.44 | Closed fracture of unspecified condyle(s) of humerus | Diagnosis | ICD-9-CM |
| 812.49 | Other closed fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.5 | Open fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.50 | Open fracture of unspecified part of lower end of humerus | Diagnosis | ICD-9-CM |
| 812.51 | Open fracture of supracondylar humerus | Diagnosis | ICD-9-CM |
| 812.52 | Open fracture of lateral condyle of humerus | Diagnosis | ICD-9-CM |
| 812.53 | Open fracture of medial condyle of humerus | Diagnosis | ICD-9-CM |
| 812.54 | Open fracture of unspecified condyle(s) of humerus | Diagnosis | ICD-9-CM |
| 812.59 | Other open fracture of lower end of humerus | Diagnosis | ICD-9-CM |
| 813 | Fracture of radius and ulna | Diagnosis | ICD-9-CM |
| 813.0 | Closed fracture of upper end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.00 | Unspecified fracture of radius and ulna, upper end of forearm, closed | Diagnosis | ICD-9-CM |
| 813.01 | Closed fracture of olecranon process of ulna | Diagnosis | ICD-9-CM |
| 813.02 | Closed fracture of coronoid process of ulna | Diagnosis | ICD-9-CM |
| 813.03 | Closed Monteggia's fracture | Diagnosis | ICD-9-CM |
| 813.04 | Other and unspecified closed fractures of proximal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.05 | Closed fracture of head of radius | Diagnosis | ICD-9-CM |
| 813.06 | Closed fracture of neck of radius | Diagnosis | ICD-9-CM |
| 813.07 | Other and unspecified closed fractures of proximal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.08 | Closed fracture of radius with ulna, upper end (any part) | Diagnosis | ICD-9-CM |
| 813.1 | Open fracture of upper end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.10 | Unspecified open fracture of upper end of forearm | Diagnosis | ICD-9-CM |
| 813.11 | Open fracture of olecranon process of ulna | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 813.12 | Open fracture of coronoid process of ulna | Diagnosis | ICD-9-CM |
| 813.13 | Open Monteggia's fracture | Diagnosis | ICD-9-CM |
| 813.14 | Other and unspecified open fractures of proximal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.15 | Open fracture of head of radius | Diagnosis | ICD-9-CM |
| 813.16 | Open fracture of neck of radius | Diagnosis | ICD-9-CM |
| 813.17 | Other and unspecified open fractures of proximal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.18 | Open fracture of radius with ulna, upper end (any part) | Diagnosis | ICD-9-CM |
| 813.2 | Closed fracture of shaft of radius and ulna | Diagnosis | ICD-9-CM |
| 813.20 | Unspecified closed fracture of shaft of radius or ulna | Diagnosis | ICD-9-CM |
| 813.21 | Closed fracture of shaft of radius (alone) | Diagnosis | ICD-9-CM |
| 813.22 | Closed fracture of shaft of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.23 | Closed fracture of shaft of radius with ulna | Diagnosis | ICD-9-CM |
| 813.3 | Open fracture of shaft of radius and ulna | Diagnosis | ICD-9-CM |
| 813.30 | Unspecified open fracture of shaft of radius or ulna | Diagnosis | ICD-9-CM |
| 813.31 | Open fracture of shaft of radius (alone) | Diagnosis | ICD-9-CM |
| 813.32 | Open fracture of shaft of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.33 | Open fracture of shaft of radius with ulna | Diagnosis | ICD-9-CM |
| 813.4 | Closed fracture of lower end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.40 | Unspecified closed fracture of lower end of forearm | Diagnosis | ICD-9-CM |
| 813.41 | Closed Colles' fracture | Diagnosis | ICD-9-CM |
| 813.42 | Other closed fractures of distal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.43 | Closed fracture of distal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.44 | Closed fracture of lower end of radius with ulna | Diagnosis | ICD-9-CM |
| 813.45 | Torus fracture of radius (alone) | Diagnosis | ICD-9-CM |
| 813.46 | Torus fracture of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.47 | Torus fracture of radius and ulna | Diagnosis | ICD-9-CM |
| 813.5 | Open fracture of lower end of radius and ulna | Diagnosis | ICD-9-CM |
| 813.50 | Unspecified open fracture of lower end of forearm | Diagnosis | ICD-9-CM |
| 813.51 | Open Colles' fracture | Diagnosis | ICD-9-CM |
| 813.52 | Other open fractures of distal end of radius (alone) | Diagnosis | ICD-9-CM |
| 813.53 | Open fracture of distal end of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.54 | Open fracture of lower end of radius with ulna | Diagnosis | ICD-9-CM |
| 813.8 | Closed fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.80 | Closed fracture of unspecified part of forearm | Diagnosis | ICD-9-CM |
| 813.81 | Closed fracture of unspecified part of radius (alone) | Diagnosis | ICD-9-CM |
| 813.82 | Closed fracture of unspecified part of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.83 | Closed fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.9 | Open fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 813.90 | Open fracture of unspecified part of forearm | Diagnosis | ICD-9-CM |
| 813.91 | Open fracture of unspecified part of radius (alone) | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 813.92 | Open fracture of unspecified part of ulna (alone) | Diagnosis | ICD-9-CM |
| 813.93 | Open fracture of unspecified part of radius with ulna | Diagnosis | ICD-9-CM |
| 814 | Fracture of carpal bone(s) | Diagnosis | ICD-9-CM |
| 814.0 | Closed fractures of carpal bones | Diagnosis | ICD-9-CM |
| 814.00 | Unspecified closed fracture of carpal bone | Diagnosis | ICD-9-CM |
| 814.01 | Closed fracture of navicular (scaphoid) bone of wrist | Diagnosis | ICD-9-CM |
| 814.02 | Closed fracture of lunate (semilunar) bone of wrist | Diagnosis | ICD-9-CM |
| 814.03 | Closed fracture of triquetral (cuneiform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.04 | Closed fracture of pisiform bone of wrist | Diagnosis | ICD-9-CM |
| 814.05 | Closed fracture of trapezium bone (larger multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.06 | Closed fracture of trapezoid bone (smaller multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.07 | Closed fracture of capitate bone (os magnum) of wrist | Diagnosis | ICD-9-CM |
| 814.08 | Closed fracture of hamate (unciform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.09 | Closed fracture of other bone of wrist | Diagnosis | ICD-9-CM |
| 814.1 | Open fractures of carpal bones | Diagnosis | ICD-9-CM |
| 814.10 | Unspecified open fracture of carpal bone | Diagnosis | ICD-9-CM |
| 814.11 | Open fracture of navicular (scaphoid) bone of wrist | Diagnosis | ICD-9-CM |
| 814.12 | Open fracture of lunate (semilunar) bone of wrist | Diagnosis | ICD-9-CM |
| 814.13 | Open fracture of triquetral (cuneiform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.14 | Open fracture of pisiform bone of wrist | Diagnosis | ICD-9-CM |
| 814.15 | Open fracture of trapezium bone (larger multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.16 | Open fracture of trapezoid bone (smaller multangular) of wrist | Diagnosis | ICD-9-CM |
| 814.17 | Open fracture of capitate bone (os magnum) of wrist | Diagnosis | ICD-9-CM |
| 814.18 | Open fracture of hamate (unciform) bone of wrist | Diagnosis | ICD-9-CM |
| 814.19 | Open fracture of other bone of wrist | Diagnosis | ICD-9-CM |
| 815 | Fracture of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.0 | Closed fracture of metacarpal bones | Diagnosis | ICD-9-CM |
| 815.00 | Closed fracture of metacarpal bone(s), site unspecified | Diagnosis | ICD-9-CM |
| 815.01 | Closed fracture of base of thumb (first) metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.02 | Closed fracture of base of other metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.03 | Closed fracture of shaft of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.04 | Closed fracture of neck of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.09 | Closed fracture of multiple sites of metacarpus | Diagnosis | ICD-9-CM |
| 815.1 | Open fracture of metacarpal bones | Diagnosis | ICD-9-CM |
| 815.10 | Open fracture of metacarpal bone(s), site unspecified | Diagnosis | ICD-9-CM |
| 815.11 | Open fracture of base of thumb (first) metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.12 | Open fracture of base of other metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.13 | Open fracture of shaft of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.14 | Open fracture of neck of metacarpal bone(s) | Diagnosis | ICD-9-CM |
| 815.19 | Open fracture of multiple sites of metacarpus | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 816 | Fracture of one or more phalanges of hand | Diagnosis | ICD-9-CM |
| 816.0 | Closed fracture of one or more phalanges of hand | Diagnosis | ICD-9-CM |
| 816.00 | Closed fracture of unspecified phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.01 | Closed fracture of middle or proximal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.02 | Closed fracture of distal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.03 | Closed fracture of multiple sites of phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.1 | Open fracture of one or more phalanges of hand | Diagnosis | ICD-9-CM |
| 816.10 | Open fracture of phalanx or phalanges of hand, unspecified | Diagnosis | ICD-9-CM |
| 816.11 | Open fracture of middle or proximal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.12 | Open fracture of distal phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 816.13 | Open fractures of multiple sites of phalanx or phalanges of hand | Diagnosis | ICD-9-CM |
| 817 | Multiple fractures of hand bones | Diagnosis | ICD-9-CM |
| 817.0 | Multiple closed fractures of hand bones | Diagnosis | ICD-9-CM |
| 817.1 | Multiple open fractures of hand bones | Diagnosis | ICD-9-CM |
| 818 | Ill-defined fractures of upper limb | Diagnosis | ICD-9-CM |
| 818.0 | Ill-defined closed fractures of upper limb | Diagnosis | ICD-9-CM |
| 818.1 | Ill-defined open fractures of upper limb | Diagnosis | ICD-9-CM |
| 819 | Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 819.0 | Multiple closed fractures involving both upper limbs, and upper limb with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 819.1 | Multiple open fractures involving both upper limbs, and upper limb with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 820 | Fracture of neck of femur | Diagnosis | ICD-9-CM |
| 820.0 | Closed transcervical fracture | Diagnosis | ICD-9-CM |
| 820.00 | Closed fracture of unspecified intracapsular section of neck of femur | Diagnosis | ICD-9-CM |
| 820.01 | Closed fracture of epiphysis (separation) (upper) of neck of femur | Diagnosis | ICD-9-CM |
| 820.02 | Closed fracture of midcervical section of femur | Diagnosis | ICD-9-CM |
| 820.03 | Closed fracture of base of neck of femur | Diagnosis | ICD-9-CM |
| 820.09 | Other closed transcervical fracture of femur | Diagnosis | ICD-9-CM |
| 820.1 | Open transcervical fracture | Diagnosis | ICD-9-CM |
| 820.10 | Open fracture of unspecified intracapsular section of neck of femur | Diagnosis | ICD-9-CM |
| 820.11 | Open fracture of epiphysis (separation) (upper) of neck of femur | Diagnosis | ICD-9-CM |
| 820.12 | Open fracture of midcervical section of femur | Diagnosis | ICD-9-CM |
| 820.13 | Open fracture of base of neck of femur | Diagnosis | ICD-9-CM |
| 820.19 | Other open transcervical fracture of femur | Diagnosis | ICD-9-CM |
| 820.2 | Closed pertrochanteric fracture of femur | Diagnosis | ICD-9-CM |
| 820.20 | Closed fracture of unspecified trochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.21 | Closed fracture of intertrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.22 | Closed fracture of subtrochanteric section of femur | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 820.3 | Open pertrochanteric fracture of femur | Diagnosis | ICD-9-CM |
| 820.30 | Open fracture of unspecified trochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.31 | Open fracture of intertrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.32 | Open fracture of subtrochanteric section of femur | Diagnosis | ICD-9-CM |
| 820.8 | Closed fracture of unspecified part of neck of femur | Diagnosis | ICD-9-CM |
| 820.9 | Open fracture of unspecified part of neck of femur | Diagnosis | ICD-9-CM |
| 821 | Fracture of other and unspecified parts of femur | Diagnosis | ICD-9-CM |
| 821.0 | Closed fracture of shaft or unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.00 | Closed fracture of unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.01 | Closed fracture of shaft of femur | Diagnosis | ICD-9-CM |
| 821.1 | Open fracture of shaft or unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.10 | Open fracture of unspecified part of femur | Diagnosis | ICD-9-CM |
| 821.11 | Open fracture of shaft of femur | Diagnosis | ICD-9-CM |
| 821.2 | Closed fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.20 | Closed fracture of unspecified part of lower end of femur | Diagnosis | ICD-9-CM |
| 821.21 | Closed fracture of femoral condyle | Diagnosis | ICD-9-CM |
| 821.22 | Closed fracture of lower epiphysis of femur | Diagnosis | ICD-9-CM |
| 821.23 | Closed supracondylar fracture of femur | Diagnosis | ICD-9-CM |
| 821.29 | Other closed fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.3 | Open fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 821.30 | Open fracture of unspecified part of lower end of femur | Diagnosis | ICD-9-CM |
| 821.31 | Open fracture of femoral condyle | Diagnosis | ICD-9-CM |
| 821.32 | Open fracture of lower epiphysis of femur | Diagnosis | ICD-9-CM |
| 821.33 | Open supracondylar fracture of femur | Diagnosis | ICD-9-CM |
| 821.39 | Other open fracture of lower end of femur | Diagnosis | ICD-9-CM |
| 822 | Fracture of patella | Diagnosis | ICD-9-CM |
| 822.0 | Closed fracture of patella | Diagnosis | ICD-9-CM |
| 822.1 | Open fracture of patella | Diagnosis | ICD-9-CM |
| 823 | Fracture of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.0 | Closed fracture of upper end of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.00 | Closed fracture of upper end of tibia | Diagnosis | ICD-9-CM |
| 823.01 | Closed fracture of upper end of fibula | Diagnosis | ICD-9-CM |
| 823.02 | Closed fracture of upper end of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.1 | Open fracture of upper end of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.10 | Open fracture of upper end of tibia | Diagnosis | ICD-9-CM |
| 823.11 | Open fracture of upper end of fibula | Diagnosis | ICD-9-CM |
| 823.12 | Open fracture of upper end of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.2 | Closed fracture of shaft of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.20 | Closed fracture of shaft of tibia | Diagnosis | ICD-9-CM |
| 823.21 | Closed fracture of shaft of fibula | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 823.22 | Closed fracture of shaft of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.3 | Open fracture of shaft of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.30 | Open fracture of shaft of tibia | Diagnosis | ICD-9-CM |
| 823.31 | Open fracture of shaft of fibula | Diagnosis | ICD-9-CM |
| 823.32 | Open fracture of shaft of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.4 | Torus fracture of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.40 | Torus fracture of tibia alone | Diagnosis | ICD-9-CM |
| 823.41 | Torus fracture of fibula alone | Diagnosis | ICD-9-CM |
| 823.42 | Torus fracture of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.8 | Closed fracture of unspecified part of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.80 | Closed fracture of unspecified part of tibia | Diagnosis | ICD-9-CM |
| 823.81 | Closed fracture of unspecified part of fibula | Diagnosis | ICD-9-CM |
| 823.82 | Closed fracture of unspecified part of fibula with tibia | Diagnosis | ICD-9-CM |
| 823.9 | Open fracture of unspecified part of tibia and fibula | Diagnosis | ICD-9-CM |
| 823.90 | Open fracture of unspecified part of tibia | Diagnosis | ICD-9-CM |
| 823.91 | Open fracture of unspecified part of fibula | Diagnosis | ICD-9-CM |
| 823.92 | Open fracture of unspecified part of fibula with tibia | Diagnosis | ICD-9-CM |
| 824 | Fracture of ankle | Diagnosis | ICD-9-CM |
| 824.0 | Closed fracture of medial malleolus | Diagnosis | ICD-9-CM |
| 824.1 | Open fracture of medial malleolus | Diagnosis | ICD-9-CM |
| 824.2 | Closed fracture of lateral malleolus | Diagnosis | ICD-9-CM |
| 824.3 | Open fracture of lateral malleolus | Diagnosis | ICD-9-CM |
| 824.4 | Closed bimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.5 | Open bimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.6 | Closed trimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.7 | Open trimalleolar fracture | Diagnosis | ICD-9-CM |
| 824.8 | Unspecified closed fracture of ankle | Diagnosis | ICD-9-CM |
| 824.9 | Unspecified open fracture of ankle | Diagnosis | ICD-9-CM |
| 825 | Fracture of one or more tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.0 | Closed fracture of calcaneus | Diagnosis | ICD-9-CM |
| 825.1 | Open fracture of calcaneus | Diagnosis | ICD-9-CM |
| 825.2 | Closed fracture of other tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.20 | Closed fracture of unspecified bone(s) of foot (except toes) | Diagnosis | ICD-9-CM |
| 825.21 | Closed fracture of astragalus | Diagnosis | ICD-9-CM |
| 825.22 | Closed fracture of navicular (scaphoid) bone of foot | Diagnosis | ICD-9-CM |
| 825.23 | Closed fracture of cuboid bone | Diagnosis | ICD-9-CM |
| 825.24 | Closed fracture of cuneiform bone of foot | Diagnosis | ICD-9-CM |
| 825.25 | Closed fracture of metatarsal bone(s) | Diagnosis | ICD-9-CM |
| 825.29 | Other closed fracture of tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 825.3 | Open fracture of other tarsal and metatarsal bones | Diagnosis | ICD-9-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 825.30 | Open fracture of unspecified bone(s) of foot (except toes) | Diagnosis | ICD-9-CM |
| 825.31 | Open fracture of astragalus | Diagnosis | ICD-9-CM |
| 825.32 | Open fracture of navicular (scaphoid) bone of foot | Diagnosis | ICD-9-CM |
| 825.33 | Open fracture of cuboid bone | Diagnosis | ICD-9-CM |
| 825.34 | Open fracture of cuneiform bone of foot, | Diagnosis | ICD-9-CM |
| 825.35 | Open fracture of metatarsal bone(s) | Diagnosis | ICD-9-CM |
| 825.39 | Other open fractures of tarsal and metatarsal bones | Diagnosis | ICD-9-CM |
| 826 | Fracture of one or more phalanges of foot | Diagnosis | ICD-9-CM |
| 826.0 | Closed fracture of one or more phalanges of foot | Diagnosis | ICD-9-CM |
| 826.1 | Open fracture of one or more phalanges of foot | Diagnosis | ICD-9-CM |
| 827 | Other, multiple, and ill-defined fractures of lower limb | Diagnosis | ICD-9-CM |
| 827.0 | Other, multiple and ill-defined closed fractures of lower limb | Diagnosis | ICD-9-CM |
| 827.1 | Other, multiple and ill-defined open fractures of lower limb | Diagnosis | ICD-9-CM |
| 828 | Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 828.0 | Multiple closed fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum | Diagnosis | ICD-9-CM |
| 828.1 | Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum, open | Diagnosis | ICD-9-CM |
| 829 | Fracture of unspecified bones | Diagnosis | ICD-9-CM |
| 829.0 | Closed fracture of unspecified bone | Diagnosis | ICD-9-CM |
| 829.1 | Open fracture of unspecified bone | Diagnosis | ICD-9-CM |
| S02.0XXA | Fracture of vault of skull, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.0XXB | Fracture of vault of skull, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.101A | Fracture of base of skull, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.101B | Fracture of base of skull, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.102A | Fracture of base of skull, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.102B | Fracture of base of skull, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.109A | Fracture of base of skull, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.109B | Fracture of base of skull, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.110A | Type I occipital condyle fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.110B | Type I occipital condyle fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.111A | Type II occipital condyle fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.111B | Type II occipital condyle fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S02.112A | Type III occipital condyle fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.112B | Type III occipital condyle fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.113A | Unspecified occipital condyle fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.113B | Unspecified occipital condyle fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.118A | Other fracture of occiput, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.118B | Other fracture of occiput, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.119A | Unspecified fracture of occiput, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.119B | Unspecified fracture of occiput, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11AA | Type I occipital condyle fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11AB | Type I occipital condyle fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11BA | Type I occipital condyle fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11BB | Type I occipital condyle fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11CA | Type II occipital condyle fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11CB | Type II occipital condyle fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11DA | Type II occipital condyle fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11DB | Type II occipital condyle fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11EA | Type III occipital condyle fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11EB | Type III occipital condyle fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11FA | Type III occipital condyle fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11FB | Type III occipital condyle fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11GA | Other fracture of occiput, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11GB | Other fracture of occiput, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.11HA | Other fracture of occiput, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.11HB | Other fracture of occiput, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.19XA | Other fracture of base of skull, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.19XB | Other fracture of base of skull, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S02.2XXA | Fracture of nasal bones, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.2XXB | Fracture of nasal bones, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.30XA | Fracture of orbital floor, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.30XB | Fracture of orbital floor, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.31XA | Fracture of orbital floor, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.31XB | Fracture of orbital floor, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.32XA | Fracture of orbital floor, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.32XB | Fracture of orbital floor, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.400A | Malar fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.400B | Malar fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.401A | Maxillary fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.401B | Maxillary fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.402A | Zygomatic fracture, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.402B | Zygomatic fracture, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40AA | Malar fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40AB | Malar fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40BA | Malar fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40BB | Malar fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40CA | Maxillary fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40CB | Maxillary fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40DA | Maxillary fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40DB | Maxillary fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40EA | Zygomatic fracture, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40EB | Zygomatic fracture, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.40FA | Zygomatic fracture, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.40FB | Zygomatic fracture, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.411A | LeFort I fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.411B | LeFort I fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.412A | LeFort II fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.412B | LeFort II fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.413A | LeFort III fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.413B | LeFort III fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.42XA | Fracture of alveolus of maxilla, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.42XB | Fracture of alveolus of maxilla, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.600A | Fracture of unspecified part of body of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.600B | Fracture of unspecified part of body of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S02.601A | Fracture of unspecified part of body of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.601B | Fracture of unspecified part of body of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.602A | Fracture of unspecified part of body of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.602B | Fracture of unspecified part of body of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.609A | Fracture of mandible, unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.609B | Fracture of mandible, unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.610A | Fracture of condylar process of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.610B | Fracture of condylar process of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.611A | Fracture of condylar process of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.611B | Fracture of condylar process of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.612A | Fracture of condylar process of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.612B | Fracture of condylar process of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.620A | Fracture of subcondylar process of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.620B | Fracture of subcondylar process of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.621A | Fracture of subcondylar process of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.621B | Fracture of subcondylar process of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.622A | Fracture of subcondylar process of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.622B | Fracture of subcondylar process of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.630A | Fracture of coronoid process of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.630B | Fracture of coronoid process of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.631A | Fracture of coronoid process of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S02.631B | Fracture of coronoid process of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.632A | Fracture of coronoid process of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.632B | Fracture of coronoid process of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.640A | Fracture of ramus of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.640B | Fracture of ramus of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.641A | Fracture of ramus of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.641B | Fracture of ramus of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.642A | Fracture of ramus of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.642B | Fracture of ramus of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.650A | Fracture of angle of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.650B | Fracture of angle of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.651A | Fracture of angle of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.651B | Fracture of angle of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.652A | Fracture of angle of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.652B | Fracture of angle of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.66XA | Fracture of symphysis of mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.66XB | Fracture of symphysis of mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.670A | Fracture of alveolus of mandible, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.670B | Fracture of alveolus of mandible, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.671A | Fracture of alveolus of right mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.671B | Fracture of alveolus of right mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.672A | Fracture of alveolus of left mandible, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.672B | Fracture of alveolus of left mandible, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.69XA | Fracture of mandible of other specified site, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.69XB | Fracture of mandible of other specified site, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.80XA | Fracture of other specified skull and facial bones, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.80XB | Fracture of other specified skull and facial bones, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S02.81XA | Fracture of other specified skull and facial bones, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.81XB | Fracture of other specified skull and facial bones, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.82XA | Fracture of other specified skull and facial bones, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.82XB | Fracture of other specified skull and facial bones, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.91XA | Unspecified fracture of skull, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.91XB | Unspecified fracture of skull, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S02.92XA | Unspecified fracture of facial bones, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S02.92XB | Unspecified fracture of facial bones, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S06.330A | Contusion and laceration of cerebrum, unspecified, without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.331A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.332A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.333A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.334A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.335A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.336A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.337A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.338A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.339A | Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.360A | Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.361A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S06.362A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.363A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.364A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.365A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.366A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.367A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.368A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.369A | Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X0A | Epidural hemorrhage without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X1A | Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X2A | Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X3A | Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X4A | Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X5A | Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X6A | Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X7A | Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X8A | Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.4X9A | Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S06.5X0A | Traumatic subdural hemorrhage without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X1A | Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X2A | Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X3A | Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X4A | Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X5A | Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X6A | Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X7A | Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X8A | Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.5X9A | Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X0A | Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X1A | Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X2A | Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X3A | Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X4A | Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X5A | Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X6A | Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S06.6X7A | Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X8A | Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.6X9A | Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.890A | Other specified intracranial injury without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.891A | Other specified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.892A | Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.893A | Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.894A | Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.895A | Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.896A | Other specified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.897A | Other specified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.898A | Other specified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.899A | Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X0A | Unspecified intracranial injury without loss of consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X1A | Unspecified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X2A | Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X3A | Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S06.9X4A | Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X5A | Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X6A | Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X7A | Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X8A | Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter | Diagnosis | ICD-10-CM |
| S06.9X9A | Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter | Diagnosis | ICD-10-CM |
| S12.000A | Unspecified displaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.000B | Unspecified displaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.001A | Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.001B | Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.01XA | Stable burst fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.01XB | Stable burst fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.02XA | Unstable burst fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.02XB | Unstable burst fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.030A | Displaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.030B | Displaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.031A | Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.031B | Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.040A | Displaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.040B | Displaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.041A | Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.041B | Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.090A | Other displaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.090B | Other displaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.091A | Other nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.091B | Other nondisplaced fracture of first cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.100A | Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.100B | Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.101A | Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.101B | Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.110A | Anterior displaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.110B | Anterior displaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.111A | Posterior displaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.111B | Posterior displaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.112A | Nondisplaced Type II dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.112B | Nondisplaced Type II dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.120A | Other displaced dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.120B | Other displaced dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.121A | Other nondisplaced dens fracture, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.121B | Other nondisplaced dens fracture, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.130A | Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.130B | Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.131A | Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.131B | Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.14XA | Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.14XB | Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.150A | Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.150B | Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.151A | Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.151B | Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.190A | Other displaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.190B | Other displaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.191A | Other nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.191B | Other nondisplaced fracture of second cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.200A | Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.200B | Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.201A | Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.201B | Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.230A | Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.230B | Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.231A | Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.231B | Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.24XA | Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.24XB | Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.250A | Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.250B | Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.251A | Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.251B | Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.290A | Other displaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.290B | Other displaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.291A | Other nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.291B | Other nondisplaced fracture of third cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.300A | Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.300B | Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.301A | Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.301B | Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.330A | Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.330B | Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.331A | Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.331B | Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.34XA | Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.34XB | Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.350A | Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.350B | Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.351A | Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.351B | Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.390A | Other displaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.390B | Other displaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.391A | Other nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.391B | Other nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.400A | Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.400B | Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.401A | Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.401B | Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.430A | Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.430B | Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.431A | Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.431B | Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.44XA | Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.44XB | Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.450A | Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.450B | Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.451A | Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.451B | Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.490A | Other displaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.490B | Other displaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.491A | Other nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.491B | Other nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.500A | Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.500B | Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.501A | Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.501B | Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.530A | Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.530B | Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.531A | Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.531B | Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.54XA | Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.54XB | Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.550A | Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.550B | Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.551A | Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.551B | Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.590A | Other displaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S12.590B | Other displaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.591A | Other nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.591B | Other nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.600A | Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.600B | Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.601A | Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.601B | Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.630A | Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.630B | Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.631A | Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.631B | Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.64XA | Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.64XB | Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.650A | Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.650B | Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.651A | Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.651B | Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.690A | Other displaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S12.690B | Other displaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.691A | Other nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S12.691B | Other nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S12.8XXA | Fracture of other parts of neck, initial encounter | Diagnosis | ICD-10-CM |
| S12.9XXA | Fracture of neck, unspecified, initial encounter | Diagnosis | ICD-10-CM |
| S14.101A | Unspecified injury at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.102A | Unspecified injury at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.103A | Unspecified injury at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.104A | Unspecified injury at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.105A | Unspecified injury at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.106A | Unspecified injury at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.107A | Unspecified injury at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.109A | Unspecified injury at unspecified level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.111A | Complete lesion at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.112A | Complete lesion at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.113A | Complete lesion at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.114A | Complete lesion at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.115A | Complete lesion at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.116A | Complete lesion at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.117A | Complete lesion at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.121A | Central cord syndrome at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.122A | Central cord syndrome at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.123A | Central cord syndrome at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.124A | Central cord syndrome at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.125A | Central cord syndrome at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.126A | Central cord syndrome at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.127A | Central cord syndrome at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.131A | Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.132A | Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.133A | Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.134A | Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.135A | Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.136A | Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.137A | Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.151A | Other incomplete lesion at C1 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.152A | Other incomplete lesion at C2 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.153A | Other incomplete lesion at C3 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.154A | Other incomplete lesion at C4 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.155A | Other incomplete lesion at C5 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S14.156A | Other incomplete lesion at C6 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S14.157A | Other incomplete lesion at C7 level of cervical spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S22.000A | Wedge compression fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.000B | Wedge compression fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.001A | Stable burst fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.001B | Stable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.002A | Unstable burst fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.002B | Unstable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.008A | Other fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.008B | Other fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.009A | Unspecified fracture of unspecified thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.009B | Unspecified fracture of unspecified thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.010A | Wedge compression fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.010B | Wedge compression fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.011A | Stable burst fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.011B | Stable burst fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.012A | Unstable burst fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.012B | Unstable burst fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.018A | Other fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.018B | Other fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.019A | Unspecified fracture of first thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.019B | Unspecified fracture of first thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.020A | Wedge compression fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.020B | Wedge compression fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.021A | Stable burst fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.021B | Stable burst fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.022A | Unstable burst fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.022B | Unstable burst fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.028A | Other fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.028B | Other fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.029A | Unspecified fracture of second thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.029B | Unspecified fracture of second thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.030A | Wedge compression fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.030B | Wedge compression fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.031A | Stable burst fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.031B | Stable burst fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.032A | Unstable burst fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.032B | Unstable burst fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.038A | Other fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.038B | Other fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.039A | Unspecified fracture of third thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.039B | Unspecified fracture of third thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.040A | Wedge compression fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.040B | Wedge compression fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.041A | Stable burst fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.041B | Stable burst fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.042A | Unstable burst fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.042B | Unstable burst fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.048A | Other fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.048B | Other fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.049A | Unspecified fracture of fourth thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.049B | Unspecified fracture of fourth thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.050A | Wedge compression fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.050B | Wedge compression fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.051A | Stable burst fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.051B | Stable burst fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.052A | Unstable burst fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.052B | Unstable burst fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.058A | Other fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.058B | Other fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.059A | Unspecified fracture of T5-T6 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.059B | Unspecified fracture of T5-T6 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.060A | Wedge compression fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.060B | Wedge compression fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.061A | Stable burst fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.061B | Stable burst fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.062A | Unstable burst fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.062B | Unstable burst fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.068A | Other fracture of T7-T8 thoracic vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.068B | Other fracture of T7-T8 thoracic vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.069A | Unspecified fracture of T7-T8 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.069B | Unspecified fracture of T7-T8 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.070A | Wedge compression fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.070B | Wedge compression fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.071A | Stable burst fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.071B | Stable burst fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.072A | Unstable burst fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.072B | Unstable burst fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.078A | Other fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.078B | Other fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.079A | Unspecified fracture of T9-T10 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.079B | Unspecified fracture of T9-T10 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.080A | Wedge compression fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.080B | Wedge compression fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.081A | Stable burst fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.081B | Stable burst fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.082A | Unstable burst fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.082B | Unstable burst fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.088A | Other fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.088B | Other fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.089A | Unspecified fracture of T11-T12 vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.089B | Unspecified fracture of T11-T12 vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.20XA | Unspecified fracture of sternum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.20XB | Unspecified fracture of sternum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.21XA | Fracture of manubrium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.21XB | Fracture of manubrium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.22XA | Fracture of body of sternum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S22.22XB | Fracture of body of sternum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.23XA | Sternal manubrial dissociation, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.23XB | Sternal manubrial dissociation, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.24XA | Fracture of xiphoid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.24XB | Fracture of xiphoid process, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.31XA | Fracture of one rib, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.31XB | Fracture of one rib, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.32XA | Fracture of one rib, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.32XB | Fracture of one rib, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.39XA | Fracture of one rib, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.39XB | Fracture of one rib, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.41XA | Multiple fractures of ribs, right side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.41XB | Multiple fractures of ribs, right side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.42XA | Multiple fractures of ribs, left side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.42XB | Multiple fractures of ribs, left side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.43XA | Multiple fractures of ribs, bilateral, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.43XB | Multiple fractures of ribs, bilateral, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.49XA | Multiple fractures of ribs, unspecified side, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.49XB | Multiple fractures of ribs, unspecified side, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.5XXA | Flail chest, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.5XXB | Flail chest, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S22.9XXA | Fracture of bony thorax, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S22.9XXB | Fracture of bony thorax, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S24.101A | Unspecified injury at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.102A | Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.103A | Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.104A | Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.109A | Unspecified injury at unspecified level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.111A | Complete lesion at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.112A | Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.113A | Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.114A | Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.131A | Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.132A | Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S24.133A | Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.134A | Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.151A | Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.152A | Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.153A | Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S24.154A | Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S32.000A | Wedge compression fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.000B | Wedge compression fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.001A | Stable burst fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.001B | Stable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.002A | Unstable burst fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.002B | Unstable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.008A | Other fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.008B | Other fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.009A | Unspecified fracture of unspecified lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.009B | Unspecified fracture of unspecified lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.010A | Wedge compression fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.010B | Wedge compression fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.011A | Stable burst fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.011B | Stable burst fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.012A | Unstable burst fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.012B | Unstable burst fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.018A | Other fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.018B | Other fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.019A | Unspecified fracture of first lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.019B | Unspecified fracture of first lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.020A | Wedge compression fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.020B | Wedge compression fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.021A | Stable burst fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.021B | Stable burst fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.022A | Unstable burst fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.022B | Unstable burst fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.028A | Other fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.028B | Other fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.029A | Unspecified fracture of second lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.029B | Unspecified fracture of second lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.030A | Wedge compression fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.030B | Wedge compression fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.031A | Stable burst fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.031B | Stable burst fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.032A | Unstable burst fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.032B | Unstable burst fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.038A | Other fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.038B | Other fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.039A | Unspecified fracture of third lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.039B | Unspecified fracture of third lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.040A | Wedge compression fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.040B | Wedge compression fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.041A | Stable burst fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.041B | Stable burst fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.042A | Unstable burst fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.042B | Unstable burst fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.048A | Other fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.048B | Other fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.049A | Unspecified fracture of fourth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.049B | Unspecified fracture of fourth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.050A | Wedge compression fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.050B | Wedge compression fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.051A | Stable burst fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.051B | Stable burst fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.052A | Unstable burst fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.052B | Unstable burst fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.058A | Other fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.058B | Other fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.059A | Unspecified fracture of fifth lumbar vertebra, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.059B | Unspecified fracture of fifth lumbar vertebra, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.10XA | Unspecified fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.10XB | Unspecified fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.110A | Nondisplaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.110B | Nondisplaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.111A | Minimally displaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.111B | Minimally displaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.112A | Severely displaced Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.112B | Severely displaced Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.119A | Unspecified Zone I fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.119B | Unspecified Zone I fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.120A | Nondisplaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.120B | Nondisplaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.121A | Minimally displaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.121B | Minimally displaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.122A | Severely displaced Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.122B | Severely displaced Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.129A | Unspecified Zone II fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.129B | Unspecified Zone II fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.130A | Nondisplaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.130B | Nondisplaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.131A | Minimally displaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.131B | Minimally displaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.132A | Severely displaced Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.132B | Severely displaced Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.139A | Unspecified Zone III fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.139B | Unspecified Zone III fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.14XA | Type 1 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.14XB | Type 1 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.15XA | Type 2 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.15XB | Type 2 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.16XA | Type 3 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.16XB | Type 3 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.17XA | Type 4 fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.17XB | Type 4 fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.19XA | Other fracture of sacrum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.19XB | Other fracture of sacrum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.2XXA | Fracture of coccyx, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.2XXB | Fracture of coccyx, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.301A | Unspecified fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.301B | Unspecified fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.302A | Unspecified fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.302B | Unspecified fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.309A | Unspecified fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.309B | Unspecified fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.311A | Displaced avulsion fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.311B | Displaced avulsion fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.312A | Displaced avulsion fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.312B | Displaced avulsion fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.313A | Displaced avulsion fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.313B | Displaced avulsion fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.314A | Nondisplaced avulsion fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.314B | Nondisplaced avulsion fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.315A | Nondisplaced avulsion fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.315B | Nondisplaced avulsion fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.316A | Nondisplaced avulsion fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.316B | Nondisplaced avulsion fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.391A | Other fracture of right ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.391B | Other fracture of right ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.392A | Other fracture of left ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.392B | Other fracture of left ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.399A | Other fracture of unspecified ilium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.399B | Other fracture of unspecified ilium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.401A | Unspecified fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.401B | Unspecified fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.402A | Unspecified fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.402B | Unspecified fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.409A | Unspecified fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.409B | Unspecified fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.411A | Displaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.411B | Displaced fracture of anterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.412A | Displaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.412B | Displaced fracture of anterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.413A | Displaced fracture of anterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.413B | Displaced fracture of anterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.414A | Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.414B | Nondisplaced fracture of anterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.415A | Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.415B | Nondisplaced fracture of anterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.416A | Nondisplaced fracture of anterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.416B | Nondisplaced fracture of anterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.421A | Displaced fracture of posterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.421B | Displaced fracture of posterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.422A | Displaced fracture of posterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.422B | Displaced fracture of posterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.423A | Displaced fracture of posterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.423B | Displaced fracture of posterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.424A | Nondisplaced fracture of posterior wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.424B | Nondisplaced fracture of posterior wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.425A | Nondisplaced fracture of posterior wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.425B | Nondisplaced fracture of posterior wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.426A | Nondisplaced fracture of posterior wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.426B | Nondisplaced fracture of posterior wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.431A | Displaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.431B | Displaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.432A | Displaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.432B | Displaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.433A | Displaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.433B | Displaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.434A | Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.434B | Nondisplaced fracture of anterior column [iliopubic] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.435A | Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.435B | Nondisplaced fracture of anterior column [iliopubic] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.436A | Nondisplaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.436B | Nondisplaced fracture of anterior column [iliopubic] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.441A | Displaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.441B | Displaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.442A | Displaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.442B | Displaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.443A | Displaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.443B | Displaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.444A | Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.444B | Nondisplaced fracture of posterior column [ilioischial] of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.445A | Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.445B | Nondisplaced fracture of posterior column [ilioischial] of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.446A | Nondisplaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.446B | Nondisplaced fracture of posterior column [ilioischial] of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.451A | Displaced transverse fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.451B | Displaced transverse fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.452A | Displaced transverse fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.452B | Displaced transverse fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.453A | Displaced transverse fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.453B | Displaced transverse fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.454A | Nondisplaced transverse fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.454B | Nondisplaced transverse fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.455A | Nondisplaced transverse fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.455B | Nondisplaced transverse fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.456A | Nondisplaced transverse fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.456B | Nondisplaced transverse fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.461A | Displaced associated transverse-posterior fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.461B | Displaced associated transverse-posterior fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.462A | Displaced associated transverse-posterior fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.462B | Displaced associated transverse-posterior fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.463A | Displaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.463B | Displaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.464A | Nondisplaced associated transverse-posterior fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.464B | Nondisplaced associated transverse-posterior fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.465A | Nondisplaced associated transverse-posterior fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.465B | Nondisplaced associated transverse-posterior fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.466A | Nondisplaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.466B | Nondisplaced associated transverse-posterior fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.471A | Displaced fracture of medial wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.471B | Displaced fracture of medial wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.472A | Displaced fracture of medial wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.472B | Displaced fracture of medial wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.473A | Displaced fracture of medial wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.473B | Displaced fracture of medial wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.474A | Nondisplaced fracture of medial wall of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.474B | Nondisplaced fracture of medial wall of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.475A | Nondisplaced fracture of medial wall of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.475B | Nondisplaced fracture of medial wall of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.476A | Nondisplaced fracture of medial wall of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.476B | Nondisplaced fracture of medial wall of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.481A | Displaced dome fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.481B | Displaced dome fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.482A | Displaced dome fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.482B | Displaced dome fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.483A | Displaced dome fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.483B | Displaced dome fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.484A | Nondisplaced dome fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.484B | Nondisplaced dome fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.485A | Nondisplaced dome fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.485B | Nondisplaced dome fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.486A | Nondisplaced dome fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.486B | Nondisplaced dome fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.491A | Other specified fracture of right acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.491B | Other specified fracture of right acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.492A | Other specified fracture of left acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.492B | Other specified fracture of left acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.499A | Other specified fracture of unspecified acetabulum, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.499B | Other specified fracture of unspecified acetabulum, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.501A | Unspecified fracture of right pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.501B | Unspecified fracture of right pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.502A | Unspecified fracture of left pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.502B | Unspecified fracture of left pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.509A | Unspecified fracture of unspecified pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.509B | Unspecified fracture of unspecified pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.511A | Fracture of superior rim of right pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.511B | Fracture of superior rim of right pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.512A | Fracture of superior rim of left pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.512B | Fracture of superior rim of left pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.519A | Fracture of superior rim of unspecified pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.519B | Fracture of superior rim of unspecified pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.591A | Other specified fracture of right pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.591B | Other specified fracture of right pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.592A | Other specified fracture of left pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.592B | Other specified fracture of left pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S32.599A | Other specified fracture of unspecified pubis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.599B | Other specified fracture of unspecified pubis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.601A | Unspecified fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.601B | Unspecified fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.602A | Unspecified fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.602B | Unspecified fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.609A | Unspecified fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.609B | Unspecified fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.611A | Displaced avulsion fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.611B | Displaced avulsion fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.612A | Displaced avulsion fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.612B | Displaced avulsion fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.613A | Displaced avulsion fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.613B | Displaced avulsion fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.614A | Nondisplaced avulsion fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.614B | Nondisplaced avulsion fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.615A | Nondisplaced avulsion fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.615B | Nondisplaced avulsion fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.616A | Nondisplaced avulsion fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.616B | Nondisplaced avulsion fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.691A | Other specified fracture of right ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.691B | Other specified fracture of right ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.692A | Other specified fracture of left ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.692B | Other specified fracture of left ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S32.699A | Other specified fracture of unspecified ischium, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.699B | Other specified fracture of unspecified ischium, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.810A | Multiple fractures of pelvis with stable disruption of pelvic ring, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.810B | Multiple fractures of pelvis with stable disruption of pelvic ring, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.811A | Multiple fractures of pelvis with unstable disruption of pelvic ring, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.811B | Multiple fractures of pelvis with unstable disruption of pelvic ring, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.82XA | Multiple fractures of pelvis without disruption of pelvic ring, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.82XB | Multiple fractures of pelvis without disruption of pelvic ring, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.89XA | Fracture of other parts of pelvis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.89XB | Fracture of other parts of pelvis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S32.9XXA | Fracture of unspecified parts of lumbosacral spine and pelvis, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S32.9XXB | Fracture of unspecified parts of lumbosacral spine and pelvis, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S34.101A | Unspecified injury to L1 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.102A | Unspecified injury to L2 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.103A | Unspecified injury to L3 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.104A | Unspecified injury to L4 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.105A | Unspecified injury to L5 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.109A | Unspecified injury to unspecified level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.111A | Complete lesion of L1 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.112A | Complete lesion of L2 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.113A | Complete lesion of L3 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.114A | Complete lesion of L4 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.115A | Complete lesion of L5 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.119A | Complete lesion of unspecified level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.121A | Incomplete lesion of L1 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.122A | Incomplete lesion of L2 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.123A | Incomplete lesion of L3 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.124A | Incomplete lesion of L4 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.125A | Incomplete lesion of L5 level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S34.129A | Incomplete lesion of unspecified level of lumbar spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.131A | Complete lesion of sacral spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.132A | Incomplete lesion of sacral spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.139A | Unspecified injury to sacral spinal cord, initial encounter | Diagnosis | ICD-10-CM |
| S34.3XXA | Injury of cauda equina, initial encounter | Diagnosis | ICD-10-CM |
| S42.001A | Fracture of unspecified part of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.001B | Fracture of unspecified part of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.002A | Fracture of unspecified part of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.002B | Fracture of unspecified part of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.009A | Fracture of unspecified part of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.009B | Fracture of unspecified part of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.011A | Anterior displaced fracture of sternal end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.011B | Anterior displaced fracture of sternal end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.012A | Anterior displaced fracture of sternal end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.012B | Anterior displaced fracture of sternal end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.013A | Anterior displaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.013B | Anterior displaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.014A | Posterior displaced fracture of sternal end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.014B | Posterior displaced fracture of sternal end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.015A | Posterior displaced fracture of sternal end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.015B | Posterior displaced fracture of sternal end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.016A | Posterior displaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.016B | Posterior displaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.017A | Nondisplaced fracture of sternal end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.017B | Nondisplaced fracture of sternal end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.018A | Nondisplaced fracture of sternal end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.018B | Nondisplaced fracture of sternal end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.019A | Nondisplaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.019B | Nondisplaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.021A | Displaced fracture of shaft of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.021B | Displaced fracture of shaft of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.022A | Displaced fracture of shaft of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.022B | Displaced fracture of shaft of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.023A | Displaced fracture of shaft of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.023B | Displaced fracture of shaft of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.024A | Nondisplaced fracture of shaft of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.024B | Nondisplaced fracture of shaft of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.025A | Nondisplaced fracture of shaft of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.025B | Nondisplaced fracture of shaft of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.026A | Nondisplaced fracture of shaft of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.026B | Nondisplaced fracture of shaft of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.031A | Displaced fracture of lateral end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.031B | Displaced fracture of lateral end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.032A | Displaced fracture of lateral end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.032B | Displaced fracture of lateral end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.033A | Displaced fracture of lateral end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.033B | Displaced fracture of lateral end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.034A | Nondisplaced fracture of lateral end of right clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.034B | Nondisplaced fracture of lateral end of right clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.035A | Nondisplaced fracture of lateral end of left clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.035B | Nondisplaced fracture of lateral end of left clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.036A | Nondisplaced fracture of lateral end of unspecified clavicle, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.036B | Nondisplaced fracture of lateral end of unspecified clavicle, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.101A | Fracture of unspecified part of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.101B | Fracture of unspecified part of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.102A | Fracture of unspecified part of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.102B | Fracture of unspecified part of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.109A | Fracture of unspecified part of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.109B | Fracture of unspecified part of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.111A | Displaced fracture of body of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.111B | Displaced fracture of body of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.112A | Displaced fracture of body of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.112B | Displaced fracture of body of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.113A | Displaced fracture of body of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.113B | Displaced fracture of body of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.114A | Nondisplaced fracture of body of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.114B | Nondisplaced fracture of body of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.115A | Nondisplaced fracture of body of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.115B | Nondisplaced fracture of body of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.116A | Nondisplaced fracture of body of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.116B | Nondisplaced fracture of body of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.121A | Displaced fracture of acromial process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.121B | Displaced fracture of acromial process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.122A | Displaced fracture of acromial process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.122B | Displaced fracture of acromial process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.123A | Displaced fracture of acromial process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.123B | Displaced fracture of acromial process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.124A | Nondisplaced fracture of acromial process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.124B | Nondisplaced fracture of acromial process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.125A | Nondisplaced fracture of acromial process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.125B | Nondisplaced fracture of acromial process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.126A | Nondisplaced fracture of acromial process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.126B | Nondisplaced fracture of acromial process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.131A | Displaced fracture of coracoid process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.131B | Displaced fracture of coracoid process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.132A | Displaced fracture of coracoid process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.132B | Displaced fracture of coracoid process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.133A | Displaced fracture of coracoid process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.133B | Displaced fracture of coracoid process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.134A | Nondisplaced fracture of coracoid process, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.134B | Nondisplaced fracture of coracoid process, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.135A | Nondisplaced fracture of coracoid process, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.135B | Nondisplaced fracture of coracoid process, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.136A | Nondisplaced fracture of coracoid process, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.136B | Nondisplaced fracture of coracoid process, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.141A | Displaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.141B | Displaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.142A | Displaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.142B | Displaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.143A | Displaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.143B | Displaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.144A | Nondisplaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.144B | Nondisplaced fracture of glenoid cavity of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.145A | Nondisplaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.145B | Nondisplaced fracture of glenoid cavity of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.146A | Nondisplaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.146B | Nondisplaced fracture of glenoid cavity of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.151A | Displaced fracture of neck of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.151B | Displaced fracture of neck of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.152A | Displaced fracture of neck of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.152B | Displaced fracture of neck of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.153A | Displaced fracture of neck of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.153B | Displaced fracture of neck of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.154A | Nondisplaced fracture of neck of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.154B | Nondisplaced fracture of neck of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.155A | Nondisplaced fracture of neck of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.155B | Nondisplaced fracture of neck of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.156A | Nondisplaced fracture of neck of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.156B | Nondisplaced fracture of neck of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.191A | Fracture of other part of scapula, right shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.191B | Fracture of other part of scapula, right shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.192A | Fracture of other part of scapula, left shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.192B | Fracture of other part of scapula, left shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.199A | Fracture of other part of scapula, unspecified shoulder, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.199B | Fracture of other part of scapula, unspecified shoulder, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.201A | Unspecified fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.201B | Unspecified fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.202A | Unspecified fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.202B | Unspecified fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.209A | Unspecified fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.209B | Unspecified fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.211A | Unspecified displaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.211B | Unspecified displaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.212A | Unspecified displaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.212B | Unspecified displaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.213A | Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.213B | Unspecified displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.214A | Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.214B | Unspecified nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.215A | Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.215B | Unspecified nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.216A | Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.216B | Unspecified nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.221A | 2-part displaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.221B | 2-part displaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.222A | 2-part displaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.222B | 2-part displaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.223A | 2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.223B | 2-part displaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.224A | 2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.224B | 2-part nondisplaced fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.225A | 2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.225B | 2-part nondisplaced fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.226A | 2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.226B | 2-part nondisplaced fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.231A | 3-part fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.231B | 3-part fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.232A | 3-part fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.232B | 3-part fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.239A | 3-part fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.239B | 3-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.241A | 4-part fracture of surgical neck of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.241B | 4-part fracture of surgical neck of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.242A | 4-part fracture of surgical neck of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.242B | 4-part fracture of surgical neck of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.249A | 4-part fracture of surgical neck of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.249B | 4-part fracture of surgical neck of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.251A | Displaced fracture of greater tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.251B | Displaced fracture of greater tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.252A | Displaced fracture of greater tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.252B | Displaced fracture of greater tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.253A | Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.253B | Displaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.254A | Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.254B | Nondisplaced fracture of greater tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.255A | Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.255B | Nondisplaced fracture of greater tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.256A | Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.256B | Nondisplaced fracture of greater tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.261A | Displaced fracture of lesser tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.261B | Displaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.262A | Displaced fracture of lesser tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.262B | Displaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.263A | Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.263B | Displaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.264A | Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.264B | Nondisplaced fracture of lesser tuberosity of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.265A | Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.265B | Nondisplaced fracture of lesser tuberosity of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.266A | Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.266B | Nondisplaced fracture of lesser tuberosity of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.271A | Torus fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.272A | Torus fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.279A | Torus fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.291A | Other displaced fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.291B | Other displaced fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.292A | Other displaced fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.292B | Other displaced fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.293A | Other displaced fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.293B | Other displaced fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.294A | Other nondisplaced fracture of upper end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.294B | Other nondisplaced fracture of upper end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.295A | Other nondisplaced fracture of upper end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.295B | Other nondisplaced fracture of upper end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.296A | Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.296B | Other nondisplaced fracture of upper end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.301A | Unspecified fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.301B | Unspecified fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.302A | Unspecified fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.302B | Unspecified fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.309A | Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.309B | Unspecified fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.311A | Greenstick fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.312A | Greenstick fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.319A | Greenstick fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.321A | Displaced transverse fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.321B | Displaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.322A | Displaced transverse fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.322B | Displaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.323A | Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.323B | Displaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.324A | Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.324B | Nondisplaced transverse fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.325A | Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.325B | Nondisplaced transverse fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.326A | Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.326B | Nondisplaced transverse fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.331A | Displaced oblique fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.331B | Displaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.332A | Displaced oblique fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.332B | Displaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.333A | Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.333B | Displaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.334A | Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.334B | Nondisplaced oblique fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.335A | Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.335B | Nondisplaced oblique fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.336A | Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.336B | Nondisplaced oblique fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.341A | Displaced spiral fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.341B | Displaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.342A | Displaced spiral fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.342B | Displaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.343A | Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.343B | Displaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.344A | Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.344B | Nondisplaced spiral fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.345A | Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.345B | Nondisplaced spiral fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.346A | Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.346B | Nondisplaced spiral fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.351A | Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.351B | Displaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.352A | Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.352B | Displaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.353A | Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.353B | Displaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.354A | Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.354B | Nondisplaced comminuted fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.355A | Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.355B | Nondisplaced comminuted fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.356A | Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.356B | Nondisplaced comminuted fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.361A | Displaced segmental fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.361B | Displaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.362A | Displaced segmental fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.362B | Displaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.363A | Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.363B | Displaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.364A | Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.364B | Nondisplaced segmental fracture of shaft of humerus, right arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.365A | Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.365B | Nondisplaced segmental fracture of shaft of humerus, left arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.366A | Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.366B | Nondisplaced segmental fracture of shaft of humerus, unspecified arm, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.391A | Other fracture of shaft of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.391B | Other fracture of shaft of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.392A | Other fracture of shaft of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.392B | Other fracture of shaft of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.399A | Other fracture of shaft of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.399B | Other fracture of shaft of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.401A | Unspecified fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.401B | Unspecified fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.402A | Unspecified fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.402B | Unspecified fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.409A | Unspecified fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.409B | Unspecified fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.411A | Displaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.411B | Displaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.412A | Displaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.412B | Displaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.413A | Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.413B | Displaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.414A | Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.414B | Nondisplaced simple supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.415A | Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.415B | Nondisplaced simple supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.416A | Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.416B | Nondisplaced simple supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.421A | Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.421B | Displaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.422A | Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.422B | Displaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.423A | Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.423B | Displaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.424A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.424B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.425A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.425B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.426A | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.426B | Nondisplaced comminuted supracondylar fracture without intercondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.431A | Displaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.431B | Displaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.432A | Displaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.432B | Displaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.433A | Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.433B | Displaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.434A | Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.434B | Nondisplaced fracture (avulsion) of lateral epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.435A | Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.435B | Nondisplaced fracture (avulsion) of lateral epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.436A | Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.436B | Nondisplaced fracture (avulsion) of lateral epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.441A | Displaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.441B | Displaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.442A | Displaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.442B | Displaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.443A | Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.443B | Displaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.444A | Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.444B | Nondisplaced fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.445A | Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.445B | Nondisplaced fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.446A | Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.446B | Nondisplaced fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.447A | Incarcerated fracture (avulsion) of medial epicondyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.447B | Incarcerated fracture (avulsion) of medial epicondyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.448A | Incarcerated fracture (avulsion) of medial epicondyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.448B | Incarcerated fracture (avulsion) of medial epicondyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.449A | Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.449B | Incarcerated fracture (avulsion) of medial epicondyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.451A | Displaced fracture of lateral condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.451B | Displaced fracture of lateral condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.452A | Displaced fracture of lateral condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.452B | Displaced fracture of lateral condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S42.453A | Displaced fracture of lateral condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.453B | Displaced fracture of lateral condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.454A | Nondisplaced fracture of lateral condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.454B | Nondisplaced fracture of lateral condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.455A | Nondisplaced fracture of lateral condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.455B | Nondisplaced fracture of lateral condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.456A | Nondisplaced fracture of lateral condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.456B | Nondisplaced fracture of lateral condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.461A | Displaced fracture of medial condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.461B | Displaced fracture of medial condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.462A | Displaced fracture of medial condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.462B | Displaced fracture of medial condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.463A | Displaced fracture of medial condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.463B | Displaced fracture of medial condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.464A | Nondisplaced fracture of medial condyle of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.464B | Nondisplaced fracture of medial condyle of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.465A | Nondisplaced fracture of medial condyle of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.465B | Nondisplaced fracture of medial condyle of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.466A | Nondisplaced fracture of medial condyle of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.466B | Nondisplaced fracture of medial condyle of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.471A | Displaced transcondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.471B | Displaced transcondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.472A | Displaced transcondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.472B | Displaced transcondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.473A | Displaced transcondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.473B | Displaced transcondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.474A | Nondisplaced transcondylar fracture of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.474B | Nondisplaced transcondylar fracture of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.475A | Nondisplaced transcondylar fracture of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.475B | Nondisplaced transcondylar fracture of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.476A | Nondisplaced transcondylar fracture of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.476B | Nondisplaced transcondylar fracture of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.481A | Torus fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.482A | Torus fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.489A | Torus fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.491A | Other displaced fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.491B | Other displaced fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.492A | Other displaced fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.492B | Other displaced fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.493A | Other displaced fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S42.493B | Other displaced fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.494A | Other nondisplaced fracture of lower end of right humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.494B | Other nondisplaced fracture of lower end of right humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.495A | Other nondisplaced fracture of lower end of left humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.495B | Other nondisplaced fracture of lower end of left humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.496A | Other nondisplaced fracture of lower end of unspecified humerus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.496B | Other nondisplaced fracture of lower end of unspecified humerus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.90XA | Fracture of unspecified shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.90XB | Fracture of unspecified shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.91XA | Fracture of right shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.91XB | Fracture of right shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S42.92XA | Fracture of left shoulder girdle, part unspecified, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S42.92XB | Fracture of left shoulder girdle, part unspecified, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S49.001A | Unspecified physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.002A | Unspecified physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.009A | Unspecified physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.011A | Salter-Harris Type I physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.012A | Salter-Harris Type I physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.019A | Salter-Harris Type I physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.021A | Salter-Harris Type II physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S49.022A | Salter-Harris Type II physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.029A | Salter-Harris Type II physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.031A | Salter-Harris Type III physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.032A | Salter-Harris Type III physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.039A | Salter-Harris Type III physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.041A | Salter-Harris Type IV physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.042A | Salter-Harris Type IV physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.049A | Salter-Harris Type IV physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.091A | Other physeal fracture of upper end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.092A | Other physeal fracture of upper end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.099A | Other physeal fracture of upper end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.101A | Unspecified physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.102A | Unspecified physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.109A | Unspecified physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.111A | Salter-Harris Type I physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.112A | Salter-Harris Type I physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.119A | Salter-Harris Type I physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.121A | Salter-Harris Type II physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.122A | Salter-Harris Type II physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.129A | Salter-Harris Type II physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S49.131A | Salter-Harris Type III physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.132A | Salter-Harris Type III physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.139A | Salter-Harris Type III physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.141A | Salter-Harris Type IV physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.142A | Salter-Harris Type IV physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.149A | Salter-Harris Type IV physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.191A | Other physeal fracture of lower end of humerus, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.192A | Other physeal fracture of lower end of humerus, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S49.199A | Other physeal fracture of lower end of humerus, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.001A | Unspecified fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.001B | Unspecified fracture of upper end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.001C | Unspecified fracture of upper end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.002A | Unspecified fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.002B | Unspecified fracture of upper end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.002C | Unspecified fracture of upper end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.009A | Unspecified fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.009B | Unspecified fracture of upper end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.009C | Unspecified fracture of upper end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.011A | Torus fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.012A | Torus fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.019A | Torus fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.021A | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.021B | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.021C | Displaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.022A | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.022B | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.022C | Displaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.023A | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.023B | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.023C | Displaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.024A | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.024B | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.024C | Nondisplaced fracture of olecranon process without intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.025A | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.025B | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.025C | Nondisplaced fracture of olecranon process without intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.026A | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.026B | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.026C | Nondisplaced fracture of olecranon process without intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.031A | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.031B | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.031C | Displaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.032A | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.032B | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.032C | Displaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.033A | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.033B | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.033C | Displaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.034A | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.034B | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.034C | Nondisplaced fracture of olecranon process with intraarticular extension of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.035A | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.035B | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.035C | Nondisplaced fracture of olecranon process with intraarticular extension of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.036A | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.036B | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.036C | Nondisplaced fracture of olecranon process with intraarticular extension of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.041A | Displaced fracture of coronoid process of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.041B | Displaced fracture of coronoid process of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.041C | Displaced fracture of coronoid process of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.042A | Displaced fracture of coronoid process of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.042B | Displaced fracture of coronoid process of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.042C | Displaced fracture of coronoid process of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.043A | Displaced fracture of coronoid process of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.043B | Displaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.043C | Displaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.044A | Nondisplaced fracture of coronoid process of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.044B | Nondisplaced fracture of coronoid process of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.044C | Nondisplaced fracture of coronoid process of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.045A | Nondisplaced fracture of coronoid process of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.045B | Nondisplaced fracture of coronoid process of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.045C | Nondisplaced fracture of coronoid process of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.046A | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.046B | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.046C | Nondisplaced fracture of coronoid process of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.091A | Other fracture of upper end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.091B | Other fracture of upper end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.091C | Other fracture of upper end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.092A | Other fracture of upper end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.092B | Other fracture of upper end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.092C | Other fracture of upper end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.099A | Other fracture of upper end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.099B | Other fracture of upper end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.099C | Other fracture of upper end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.101A | Unspecified fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.101B | Unspecified fracture of upper end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.101C | Unspecified fracture of upper end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.102A | Unspecified fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.102B | Unspecified fracture of upper end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.102C | Unspecified fracture of upper end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.109A | Unspecified fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.109B | Unspecified fracture of upper end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.109C | Unspecified fracture of upper end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.111A | Torus fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.112A | Torus fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.119A | Torus fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.121A | Displaced fracture of head of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.121B | Displaced fracture of head of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.121C | Displaced fracture of head of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.122A | Displaced fracture of head of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.122B | Displaced fracture of head of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.122C | Displaced fracture of head of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.123A | Displaced fracture of head of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.123B | Displaced fracture of head of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.123C | Displaced fracture of head of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.124A | Nondisplaced fracture of head of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.124B | Nondisplaced fracture of head of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.124C | Nondisplaced fracture of head of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.125A | Nondisplaced fracture of head of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.125B | Nondisplaced fracture of head of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.125C | Nondisplaced fracture of head of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.126A | Nondisplaced fracture of head of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.126B | Nondisplaced fracture of head of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.126C | Nondisplaced fracture of head of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.131A | Displaced fracture of neck of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.131B | Displaced fracture of neck of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.131C | Displaced fracture of neck of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.132A | Displaced fracture of neck of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.132B | Displaced fracture of neck of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.132C | Displaced fracture of neck of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.133A | Displaced fracture of neck of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.133B | Displaced fracture of neck of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.133C | Displaced fracture of neck of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.134A | Nondisplaced fracture of neck of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.134B | Nondisplaced fracture of neck of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.134C | Nondisplaced fracture of neck of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.135A | Nondisplaced fracture of neck of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.135B | Nondisplaced fracture of neck of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.135C | Nondisplaced fracture of neck of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.136A | Nondisplaced fracture of neck of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.136B | Nondisplaced fracture of neck of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.136C | Nondisplaced fracture of neck of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.181A | Other fracture of upper end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.181B | Other fracture of upper end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.181C | Other fracture of upper end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.182A | Other fracture of upper end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.182B | Other fracture of upper end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.182C | Other fracture of upper end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.189A | Other fracture of upper end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.189B | Other fracture of upper end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.189C | Other fracture of upper end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.201A | Unspecified fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.201B | Unspecified fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.201C | Unspecified fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.202A | Unspecified fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.202B | Unspecified fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.202C | Unspecified fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.209A | Unspecified fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.209B | Unspecified fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.209C | Unspecified fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.211A | Greenstick fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.212A | Greenstick fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.219A | Greenstick fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.221A | Displaced transverse fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.221B | Displaced transverse fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.221C | Displaced transverse fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.222A | Displaced transverse fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.222B | Displaced transverse fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.222C | Displaced transverse fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.223A | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.223B | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.223C | Displaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.224A | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.224B | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.224C | Nondisplaced transverse fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.225A | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.225B | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.225C | Nondisplaced transverse fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.226A | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.226B | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.226C | Nondisplaced transverse fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.231A | Displaced oblique fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.231B | Displaced oblique fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.231C | Displaced oblique fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.232A | Displaced oblique fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.232B | Displaced oblique fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.232C | Displaced oblique fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.233A | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.233B | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.233C | Displaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.234A | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.234B | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.234C | Nondisplaced oblique fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.235A | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.235B | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.235C | Nondisplaced oblique fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.236A | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.236B | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.236C | Nondisplaced oblique fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.241A | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.241B | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.241C | Displaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.242A | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.242B | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.242C | Displaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.243A | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.243B | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.243C | Displaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.244A | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.244B | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.244C | Nondisplaced spiral fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.245A | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.245B | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.245C | Nondisplaced spiral fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.246A | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.246B | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.246C | Nondisplaced spiral fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.251A | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.251B | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.251C | Displaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.252A | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.252B | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.252C | Displaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.253A | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.253B | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.253C | Displaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.254A | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.254B | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.254C | Nondisplaced comminuted fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.255A | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.255B | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.255C | Nondisplaced comminuted fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.256A | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.256B | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.256C | Nondisplaced comminuted fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.261A | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.261B | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.261C | Displaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.262A | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.262B | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.262C | Displaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.263A | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.263B | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.263C | Displaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.264A | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.264B | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.264C | Nondisplaced segmental fracture of shaft of ulna, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.265A | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.265B | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.265C | Nondisplaced segmental fracture of shaft of ulna, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.266A | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.266B | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.266C | Nondisplaced segmental fracture of shaft of ulna, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.271A | Monteggia's fracture of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.271B | Monteggia's fracture of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.271C | Monteggia's fracture of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.272A | Monteggia's fracture of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.272B | Monteggia's fracture of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.272C | Monteggia's fracture of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.279A | Monteggia's fracture of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.279B | Monteggia's fracture of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.279C | Monteggia's fracture of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.281A | Bent bone of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.281B | Bent bone of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.281C | Bent bone of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.282A | Bent bone of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.282B | Bent bone of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.282C | Bent bone of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.283A | Bent bone of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.283B | Bent bone of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.283C | Bent bone of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.291A | Other fracture of shaft of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.291B | Other fracture of shaft of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.291C | Other fracture of shaft of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.292A | Other fracture of shaft of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.292B | Other fracture of shaft of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.292C | Other fracture of shaft of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.299A | Other fracture of shaft of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.299B | Other fracture of shaft of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.299C | Other fracture of shaft of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.301A | Unspecified fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.301B | Unspecified fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.301C | Unspecified fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.302A | Unspecified fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.302B | Unspecified fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.302C | Unspecified fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.309A | Unspecified fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.309B | Unspecified fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.309C | Unspecified fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.311A | Greenstick fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.312A | Greenstick fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.319A | Greenstick fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.321A | Displaced transverse fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.321B | Displaced transverse fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.321C | Displaced transverse fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.322A | Displaced transverse fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.322B | Displaced transverse fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.322C | Displaced transverse fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.323A | Displaced transverse fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.323B | Displaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.323C | Displaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.324A | Nondisplaced transverse fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.324B | Nondisplaced transverse fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.324C | Nondisplaced transverse fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.325A | Nondisplaced transverse fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.325B | Nondisplaced transverse fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.325C | Nondisplaced transverse fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.326A | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.326B | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.326C | Nondisplaced transverse fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.331A | Displaced oblique fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.331B | Displaced oblique fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.331C | Displaced oblique fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.332A | Displaced oblique fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.332B | Displaced oblique fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.332C | Displaced oblique fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.333A | Displaced oblique fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.333B | Displaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.333C | Displaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.334A | Nondisplaced oblique fracture of shaft of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.334B | Nondisplaced oblique fracture of shaft of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.334C | Nondisplaced oblique fracture of shaft of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.335A | Nondisplaced oblique fracture of shaft of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.335B | Nondisplaced oblique fracture of shaft of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.335C | Nondisplaced oblique fracture of shaft of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.336A | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.336B | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.336C | Nondisplaced oblique fracture of shaft of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.341A | Displaced spiral fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.341B | Displaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.341C | Displaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.342A | Displaced spiral fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.342B | Displaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.342C | Displaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.343A | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.343B | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.343C | Displaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.344A | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.344B | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.344C | Nondisplaced spiral fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.345A | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.345B | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.345C | Nondisplaced spiral fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.346A | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.346B | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.346C | Nondisplaced spiral fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.351A | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.351B | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.351C | Displaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.352A | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.352B | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.352C | Displaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.353A | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.353B | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.353C | Displaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.354A | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.354B | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.354C | Nondisplaced comminuted fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.355A | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.355B | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.355C | Nondisplaced comminuted fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.356A | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.356B | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.356C | Nondisplaced comminuted fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.361A | Displaced segmental fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.361B | Displaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.361C | Displaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.362A | Displaced segmental fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.362B | Displaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.362C | Displaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.363A | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.363B | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.363C | Displaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.364A | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.364B | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.364C | Nondisplaced segmental fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.365A | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.365B | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.365C | Nondisplaced segmental fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.366A | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.366B | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.366C | Nondisplaced segmental fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.371A | Galeazzi's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.371B | Galeazzi's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.371C | Galeazzi's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.372A | Galeazzi's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.372B | Galeazzi's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.372C | Galeazzi's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.379A | Galeazzi's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.379B | Galeazzi's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.379C | Galeazzi's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.381A | Bent bone of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.381B | Bent bone of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.381C | Bent bone of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.382A | Bent bone of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.382B | Bent bone of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.382C | Bent bone of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.389A | Bent bone of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.389B | Bent bone of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.389C | Bent bone of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.391A | Other fracture of shaft of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.391B | Other fracture of shaft of radius, right arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.391C | Other fracture of shaft of radius, right arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.392A | Other fracture of shaft of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.392B | Other fracture of shaft of radius, left arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.392C | Other fracture of shaft of radius, left arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.399A | Other fracture of shaft of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.399B | Other fracture of shaft of radius, unspecified arm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.399C | Other fracture of shaft of radius, unspecified arm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.501A | Unspecified fracture of the lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.501B | Unspecified fracture of the lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.501C | Unspecified fracture of the lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.502A | Unspecified fracture of the lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.502B | Unspecified fracture of the lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.502C | Unspecified fracture of the lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.509A | Unspecified fracture of the lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.509B | Unspecified fracture of the lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.509C | Unspecified fracture of the lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.511A | Displaced fracture of right radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.511B | Displaced fracture of right radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.511C | Displaced fracture of right radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.512A | Displaced fracture of left radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.512B | Displaced fracture of left radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.512C | Displaced fracture of left radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.513A | Displaced fracture of unspecified radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.513B | Displaced fracture of unspecified radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.513C | Displaced fracture of unspecified radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.514A | Nondisplaced fracture of right radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.514B | Nondisplaced fracture of right radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.514C | Nondisplaced fracture of right radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.515A | Nondisplaced fracture of left radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.515B | Nondisplaced fracture of left radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.515C | Nondisplaced fracture of left radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.516A | Nondisplaced fracture of unspecified radial styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.516B | Nondisplaced fracture of unspecified radial styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.516C | Nondisplaced fracture of unspecified radial styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.521A | Torus fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.522A | Torus fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.529A | Torus fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.531A | Colles' fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.531B | Colles' fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.531C | Colles' fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.532A | Colles' fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.532B | Colles' fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.532C | Colles' fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.539A | Colles' fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.539B | Colles' fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.539C | Colles' fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.541A | Smith's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.541B | Smith's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.541C | Smith's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.542A | Smith's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.542B | Smith's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.542C | Smith's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.549A | Smith's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.549B | Smith's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.549C | Smith's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.551A | Other extraarticular fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.551B | Other extraarticular fracture of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.551C | Other extraarticular fracture of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.552A | Other extraarticular fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.552B | Other extraarticular fracture of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.552C | Other extraarticular fracture of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.559A | Other extraarticular fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.559B | Other extraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.559C | Other extraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.561A | Barton's fracture of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.561B | Barton's fracture of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.561C | Barton's fracture of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.562A | Barton's fracture of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.562B | Barton's fracture of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.562C | Barton's fracture of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.569A | Barton's fracture of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.569B | Barton's fracture of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.569C | Barton's fracture of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.571A | Other intraarticular fracture of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.571B | Other intraarticular fracture of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.571C | Other intraarticular fracture of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.572A | Other intraarticular fracture of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.572B | Other intraarticular fracture of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.572C | Other intraarticular fracture of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.579A | Other intraarticular fracture of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.579B | Other intraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.579C | Other intraarticular fracture of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.591A | Other fractures of lower end of right radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.591B | Other fractures of lower end of right radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.591C | Other fractures of lower end of right radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.592A | Other fractures of lower end of left radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.592B | Other fractures of lower end of left radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.592C | Other fractures of lower end of left radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.599A | Other fractures of lower end of unspecified radius, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.599B | Other fractures of lower end of unspecified radius, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.599C | Other fractures of lower end of unspecified radius, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.601A | Unspecified fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.601B | Unspecified fracture of lower end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.601C | Unspecified fracture of lower end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.602A | Unspecified fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.602B | Unspecified fracture of lower end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.602C | Unspecified fracture of lower end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.609A | Unspecified fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.609B | Unspecified fracture of lower end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.609C | Unspecified fracture of lower end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.611A | Displaced fracture of right ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.611B | Displaced fracture of right ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.611C | Displaced fracture of right ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.612A | Displaced fracture of left ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.612B | Displaced fracture of left ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.612C | Displaced fracture of left ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.613A | Displaced fracture of unspecified ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.613B | Displaced fracture of unspecified ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S52.613C | Displaced fracture of unspecified ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.614A | Nondisplaced fracture of right ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.614B | Nondisplaced fracture of right ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.614C | Nondisplaced fracture of right ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.615A | Nondisplaced fracture of left ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.615B | Nondisplaced fracture of left ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.615C | Nondisplaced fracture of left ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.616A | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.616B | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.616C | Nondisplaced fracture of unspecified ulna styloid process, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.621A | Torus fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.622A | Torus fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.629A | Torus fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.691A | Other fracture of lower end of right ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.691B | Other fracture of lower end of right ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.691C | Other fracture of lower end of right ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.692A | Other fracture of lower end of left ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.692B | Other fracture of lower end of left ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.692C | Other fracture of lower end of left ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.699A | Other fracture of lower end of unspecified ulna, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.699B | Other fracture of lower end of unspecified ulna, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.699C | Other fracture of lower end of unspecified ulna, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S52.90XA | Unspecified fracture of unspecified forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.90XB | Unspecified fracture of unspecified forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.90XC | Unspecified fracture of unspecified forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.91XA | Unspecified fracture of right forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.91XB | Unspecified fracture of right forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.91XC | Unspecified fracture of right forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S52.92XA | Unspecified fracture of left forearm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S52.92XB | Unspecified fracture of left forearm, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S52.92XC | Unspecified fracture of left forearm, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S59.001A | Unspecified physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.002A | Unspecified physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.009A | Unspecified physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.011A | Salter-Harris Type I physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.012A | Salter-Harris Type I physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.019A | Salter-Harris Type I physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.021A | Salter-Harris Type II physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.022A | Salter-Harris Type II physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.029A | Salter-Harris Type II physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.031A | Salter-Harris Type III physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.032A | Salter-Harris Type III physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.039A | Salter-Harris Type III physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.041A | Salter-Harris Type IV physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.042A | Salter-Harris Type IV physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.049A | Salter-Harris Type IV physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.091A | Other physeal fracture of lower end of ulna, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.092A | Other physeal fracture of lower end of ulna, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.099A | Other physeal fracture of lower end of ulna, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.101A | Unspecified physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.102A | Unspecified physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.109A | Unspecified physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.111A | Salter-Harris Type I physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.112A | Salter-Harris Type I physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.119A | Salter-Harris Type I physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.121A | Salter-Harris Type II physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.122A | Salter-Harris Type II physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.129A | Salter-Harris Type II physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.131A | Salter-Harris Type III physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.132A | Salter-Harris Type III physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.139A | Salter-Harris Type III physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.141A | Salter-Harris Type IV physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.142A | Salter-Harris Type IV physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S59.149A | Salter-Harris Type IV physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.191A | Other physeal fracture of upper end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.192A | Other physeal fracture of upper end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.199A | Other physeal fracture of upper end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.201A | Unspecified physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.202A | Unspecified physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.209A | Unspecified physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.211A | Salter-Harris Type I physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.212A | Salter-Harris Type I physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.219A | Salter-Harris Type I physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.221A | Salter-Harris Type II physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.222A | Salter-Harris Type II physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.229A | Salter-Harris Type II physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.231A | Salter-Harris Type III physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.232A | Salter-Harris Type III physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.239A | Salter-Harris Type III physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.241A | Salter-Harris Type IV physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.242A | Salter-Harris Type IV physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.249A | Salter-Harris Type IV physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.291A | Other physeal fracture of lower end of radius, right arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S59.292A | Other physeal fracture of lower end of radius, left arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S59.299A | Other physeal fracture of lower end of radius, unspecified arm, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.001A | Unspecified fracture of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.001B | Unspecified fracture of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.002A | Unspecified fracture of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.002B | Unspecified fracture of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.009A | Unspecified fracture of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.009B | Unspecified fracture of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.011A | Displaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.011B | Displaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.012A | Displaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.012B | Displaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.013A | Displaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.013B | Displaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.014A | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.014B | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.015A | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.015B | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.016A | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.016B | Nondisplaced fracture of distal pole of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.021A | Displaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.021B | Displaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.022A | Displaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.022B | Displaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.023A | Displaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.023B | Displaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.024A | Nondisplaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.024B | Nondisplaced fracture of middle third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.025A | Nondisplaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.025B | Nondisplaced fracture of middle third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.026A | Nondisplaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.026B | Nondisplaced fracture of middle third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.031A | Displaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.031B | Displaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.032A | Displaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.032B | Displaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.033A | Displaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.033B | Displaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.034A | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.034B | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.035A | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.035B | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.036A | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.036B | Nondisplaced fracture of proximal third of navicular [scaphoid] bone of unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.101A | Fracture of unspecified carpal bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.101B | Fracture of unspecified carpal bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.102A | Fracture of unspecified carpal bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.102B | Fracture of unspecified carpal bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.109A | Fracture of unspecified carpal bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.109B | Fracture of unspecified carpal bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.111A | Displaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.111B | Displaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.112A | Displaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.112B | Displaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.113A | Displaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.113B | Displaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.114A | Nondisplaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.114B | Nondisplaced fracture of triquetrum [cuneiform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.115A | Nondisplaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.115B | Nondisplaced fracture of triquetrum [cuneiform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.116A | Nondisplaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.116B | Nondisplaced fracture of triquetrum [cuneiform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.121A | Displaced fracture of lunate [semilunar], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.121B | Displaced fracture of lunate [semilunar], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.122A | Displaced fracture of lunate [semilunar], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.122B | Displaced fracture of lunate [semilunar], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.123A | Displaced fracture of lunate [semilunar], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.123B | Displaced fracture of lunate [semilunar], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.124A | Nondisplaced fracture of lunate [semilunar], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.124B | Nondisplaced fracture of lunate [semilunar], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.125A | Nondisplaced fracture of lunate [semilunar], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.125B | Nondisplaced fracture of lunate [semilunar], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.126A | Nondisplaced fracture of lunate [semilunar], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.126B | Nondisplaced fracture of lunate [semilunar], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.131A | Displaced fracture of capitate [os magnum] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.131B | Displaced fracture of capitate [os magnum] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.132A | Displaced fracture of capitate [os magnum] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.132B | Displaced fracture of capitate [os magnum] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.133A | Displaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.133B | Displaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.134A | Nondisplaced fracture of capitate [os magnum] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.134B | Nondisplaced fracture of capitate [os magnum] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.135A | Nondisplaced fracture of capitate [os magnum] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.135B | Nondisplaced fracture of capitate [os magnum] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.136A | Nondisplaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.136B | Nondisplaced fracture of capitate [os magnum] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.141A | Displaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.141B | Displaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.142A | Displaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.142B | Displaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.143A | Displaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.143B | Displaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.144A | Nondisplaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.144B | Nondisplaced fracture of body of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.145A | Nondisplaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.145B | Nondisplaced fracture of body of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.146A | Nondisplaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.146B | Nondisplaced fracture of body of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.151A | Displaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.151B | Displaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.152A | Displaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.152B | Displaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.153A | Displaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.153B | Displaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.154A | Nondisplaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.154B | Nondisplaced fracture of hook process of hamate [unciform] bone, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.155A | Nondisplaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.155B | Nondisplaced fracture of hook process of hamate [unciform] bone, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.156A | Nondisplaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.156B | Nondisplaced fracture of hook process of hamate [unciform] bone, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.161A | Displaced fracture of pisiform, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.161B | Displaced fracture of pisiform, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.162A | Displaced fracture of pisiform, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.162B | Displaced fracture of pisiform, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.163A | Displaced fracture of pisiform, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.163B | Displaced fracture of pisiform, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.164A | Nondisplaced fracture of pisiform, right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.164B | Nondisplaced fracture of pisiform, right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.165A | Nondisplaced fracture of pisiform, left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.165B | Nondisplaced fracture of pisiform, left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.166A | Nondisplaced fracture of pisiform, unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.166B | Nondisplaced fracture of pisiform, unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.171A | Displaced fracture of trapezium [larger multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.171B | Displaced fracture of trapezium [larger multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.172A | Displaced fracture of trapezium [larger multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.172B | Displaced fracture of trapezium [larger multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.173A | Displaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.173B | Displaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.174A | Nondisplaced fracture of trapezium [larger multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.174B | Nondisplaced fracture of trapezium [larger multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.175A | Nondisplaced fracture of trapezium [larger multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.175B | Nondisplaced fracture of trapezium [larger multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.176A | Nondisplaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.176B | Nondisplaced fracture of trapezium [larger multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.181A | Displaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.181B | Displaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.182A | Displaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.182B | Displaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.183A | Displaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.183B | Displaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.184A | Nondisplaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.184B | Nondisplaced fracture of trapezoid [smaller multangular], right wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.185A | Nondisplaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.185B | Nondisplaced fracture of trapezoid [smaller multangular], left wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.186A | Nondisplaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.186B | Nondisplaced fracture of trapezoid [smaller multangular], unspecified wrist, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.201A | Unspecified fracture of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.201B | Unspecified fracture of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.202A | Unspecified fracture of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.202B | Unspecified fracture of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.209A | Unspecified fracture of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.209B | Unspecified fracture of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.211A | Bennett's fracture, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.211B | Bennett's fracture, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.212A | Bennett's fracture, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.212B | Bennett's fracture, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.213A | Bennett's fracture, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.213B | Bennett's fracture, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.221A | Displaced Rolando's fracture, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.221B | Displaced Rolando's fracture, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.222A | Displaced Rolando's fracture, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.222B | Displaced Rolando's fracture, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.223A | Displaced Rolando's fracture, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.223B | Displaced Rolando's fracture, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.224A | Nondisplaced Rolando's fracture, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.224B | Nondisplaced Rolando's fracture, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.225A | Nondisplaced Rolando's fracture, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.225B | Nondisplaced Rolando's fracture, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.226A | Nondisplaced Rolando's fracture, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.226B | Nondisplaced Rolando's fracture, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.231A | Other displaced fracture of base of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.231B | Other displaced fracture of base of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.232A | Other displaced fracture of base of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.232B | Other displaced fracture of base of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.233A | Other displaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.233B | Other displaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.234A | Other nondisplaced fracture of base of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.234B | Other nondisplaced fracture of base of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.235A | Other nondisplaced fracture of base of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.235B | Other nondisplaced fracture of base of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.236A | Other nondisplaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.236B | Other nondisplaced fracture of base of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.241A | Displaced fracture of shaft of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.241B | Displaced fracture of shaft of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.242A | Displaced fracture of shaft of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.242B | Displaced fracture of shaft of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.243A | Displaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.243B | Displaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.244A | Nondisplaced fracture of shaft of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.244B | Nondisplaced fracture of shaft of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.245A | Nondisplaced fracture of shaft of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.245B | Nondisplaced fracture of shaft of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.246A | Nondisplaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.246B | Nondisplaced fracture of shaft of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.251A | Displaced fracture of neck of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.251B | Displaced fracture of neck of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.252A | Displaced fracture of neck of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.252B | Displaced fracture of neck of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.253A | Displaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.253B | Displaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.254A | Nondisplaced fracture of neck of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.254B | Nondisplaced fracture of neck of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.255A | Nondisplaced fracture of neck of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.255B | Nondisplaced fracture of neck of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.256A | Nondisplaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.256B | Nondisplaced fracture of neck of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.291A | Other fracture of first metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.291B | Other fracture of first metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.292A | Other fracture of first metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.292B | Other fracture of first metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.299A | Other fracture of first metacarpal bone, unspecified hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.299B | Other fracture of first metacarpal bone, unspecified hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.300A | Unspecified fracture of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.300B | Unspecified fracture of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.301A | Unspecified fracture of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.301B | Unspecified fracture of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.302A | Unspecified fracture of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.302B | Unspecified fracture of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.303A | Unspecified fracture of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.303B | Unspecified fracture of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.304A | Unspecified fracture of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.304B | Unspecified fracture of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.305A | Unspecified fracture of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.305B | Unspecified fracture of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.306A | Unspecified fracture of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.306B | Unspecified fracture of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.307A | Unspecified fracture of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.307B | Unspecified fracture of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.308A | Unspecified fracture of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.308B | Unspecified fracture of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.309A | Unspecified fracture of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.309B | Unspecified fracture of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.310A | Displaced fracture of base of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.310B | Displaced fracture of base of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.311A | Displaced fracture of base of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.311B | Displaced fracture of base of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.312A | Displaced fracture of base of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.312B | Displaced fracture of base of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.313A | Displaced fracture of base of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.313B | Displaced fracture of base of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.314A | Displaced fracture of base of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.314B | Displaced fracture of base of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.315A | Displaced fracture of base of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.315B | Displaced fracture of base of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.316A | Displaced fracture of base of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.316B | Displaced fracture of base of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.317A | Displaced fracture of base of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.317B | Displaced fracture of base of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.318A | Displaced fracture of base of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.318B | Displaced fracture of base of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.319A | Displaced fracture of base of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.319B | Displaced fracture of base of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.320A | Displaced fracture of shaft of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.320B | Displaced fracture of shaft of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.321A | Displaced fracture of shaft of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.321B | Displaced fracture of shaft of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.322A | Displaced fracture of shaft of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.322B | Displaced fracture of shaft of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.323A | Displaced fracture of shaft of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.323B | Displaced fracture of shaft of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.324A | Displaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.324B | Displaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.325A | Displaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.325B | Displaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.326A | Displaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.326B | Displaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.327A | Displaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.327B | Displaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.328A | Displaced fracture of shaft of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.328B | Displaced fracture of shaft of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.329A | Displaced fracture of shaft of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.329B | Displaced fracture of shaft of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.330A | Displaced fracture of neck of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.330B | Displaced fracture of neck of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.331A | Displaced fracture of neck of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.331B | Displaced fracture of neck of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.332A | Displaced fracture of neck of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.332B | Displaced fracture of neck of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.333A | Displaced fracture of neck of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.333B | Displaced fracture of neck of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.334A | Displaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.334B | Displaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.335A | Displaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.335B | Displaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.336A | Displaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.336B | Displaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.337A | Displaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.337B | Displaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.338A | Displaced fracture of neck of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.338B | Displaced fracture of neck of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.339A | Displaced fracture of neck of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.339B | Displaced fracture of neck of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.340A | Nondisplaced fracture of base of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.340B | Nondisplaced fracture of base of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.341A | Nondisplaced fracture of base of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.341B | Nondisplaced fracture of base of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.342A | Nondisplaced fracture of base of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.342B | Nondisplaced fracture of base of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.343A | Nondisplaced fracture of base of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.343B | Nondisplaced fracture of base of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.344A | Nondisplaced fracture of base of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.344B | Nondisplaced fracture of base of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.345A | Nondisplaced fracture of base of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.345B | Nondisplaced fracture of base of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.346A | Nondisplaced fracture of base of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.346B | Nondisplaced fracture of base of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.347A | Nondisplaced fracture of base of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.347B | Nondisplaced fracture of base of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.348A | Nondisplaced fracture of base of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.348B | Nondisplaced fracture of base of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.349A | Nondisplaced fracture of base of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.349B | Nondisplaced fracture of base of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.350A | Nondisplaced fracture of shaft of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.350B | Nondisplaced fracture of shaft of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.351A | Nondisplaced fracture of shaft of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.351B | Nondisplaced fracture of shaft of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.352A | Nondisplaced fracture of shaft of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.352B | Nondisplaced fracture of shaft of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.353A | Nondisplaced fracture of shaft of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.353B | Nondisplaced fracture of shaft of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.354A | Nondisplaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.354B | Nondisplaced fracture of shaft of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.355A | Nondisplaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.355B | Nondisplaced fracture of shaft of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.356A | Nondisplaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.356B | Nondisplaced fracture of shaft of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.357A | Nondisplaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.357B | Nondisplaced fracture of shaft of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.358A | Nondisplaced fracture of shaft of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.358B | Nondisplaced fracture of shaft of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.359A | Nondisplaced fracture of shaft of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.359B | Nondisplaced fracture of shaft of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.360A | Nondisplaced fracture of neck of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.360B | Nondisplaced fracture of neck of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.361A | Nondisplaced fracture of neck of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.361B | Nondisplaced fracture of neck of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.362A | Nondisplaced fracture of neck of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.362B | Nondisplaced fracture of neck of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.363A | Nondisplaced fracture of neck of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.363B | Nondisplaced fracture of neck of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.364A | Nondisplaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.364B | Nondisplaced fracture of neck of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.365A | Nondisplaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.365B | Nondisplaced fracture of neck of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.366A | Nondisplaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.366B | Nondisplaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.367A | Nondisplaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.367B | Nondisplaced fracture of neck of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.368A | Nondisplaced fracture of neck of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.368B | Nondisplaced fracture of neck of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.369A | Nondisplaced fracture of neck of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.369B | Nondisplaced fracture of neck of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.390A | Other fracture of second metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.390B | Other fracture of second metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.391A | Other fracture of second metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.391B | Other fracture of second metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.392A | Other fracture of third metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.392B | Other fracture of third metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.393A | Other fracture of third metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.393B | Other fracture of third metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.394A | Other fracture of fourth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.394B | Other fracture of fourth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.395A | Other fracture of fourth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.395B | Other fracture of fourth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.396A | Other fracture of fifth metacarpal bone, right hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.396B | Other fracture of fifth metacarpal bone, right hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.397A | Other fracture of fifth metacarpal bone, left hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.397B | Other fracture of fifth metacarpal bone, left hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.398A | Other fracture of other metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.398B | Other fracture of other metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.399A | Other fracture of unspecified metacarpal bone, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.399B | Other fracture of unspecified metacarpal bone, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.501A | Fracture of unspecified phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.501B | Fracture of unspecified phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.502A | Fracture of unspecified phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.502B | Fracture of unspecified phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.509A | Fracture of unspecified phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.509B | Fracture of unspecified phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.511A | Displaced fracture of proximal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.511B | Displaced fracture of proximal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.512A | Displaced fracture of proximal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.512B | Displaced fracture of proximal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.513A | Displaced fracture of proximal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.513B | Displaced fracture of proximal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.514A | Nondisplaced fracture of proximal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.514B | Nondisplaced fracture of proximal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.515A | Nondisplaced fracture of proximal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.515B | Nondisplaced fracture of proximal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.516A | Nondisplaced fracture of proximal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.516B | Nondisplaced fracture of proximal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.521A | Displaced fracture of distal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.521B | Displaced fracture of distal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.522A | Displaced fracture of distal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.522B | Displaced fracture of distal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.523A | Displaced fracture of distal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.523B | Displaced fracture of distal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.524A | Nondisplaced fracture of distal phalanx of right thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.524B | Nondisplaced fracture of distal phalanx of right thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.525A | Nondisplaced fracture of distal phalanx of left thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.525B | Nondisplaced fracture of distal phalanx of left thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.526A | Nondisplaced fracture of distal phalanx of unspecified thumb, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.526B | Nondisplaced fracture of distal phalanx of unspecified thumb, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.600A | Fracture of unspecified phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.600B | Fracture of unspecified phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.601A | Fracture of unspecified phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.601B | Fracture of unspecified phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.602A | Fracture of unspecified phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.602B | Fracture of unspecified phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.603A | Fracture of unspecified phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.603B | Fracture of unspecified phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.604A | Fracture of unspecified phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.604B | Fracture of unspecified phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.605A | Fracture of unspecified phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.605B | Fracture of unspecified phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.606A | Fracture of unspecified phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.606B | Fracture of unspecified phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.607A | Fracture of unspecified phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.607B | Fracture of unspecified phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.608A | Fracture of unspecified phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.608B | Fracture of unspecified phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.609A | Fracture of unspecified phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.609B | Fracture of unspecified phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.610A | Displaced fracture of proximal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.610B | Displaced fracture of proximal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.611A | Displaced fracture of proximal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.611B | Displaced fracture of proximal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.612A | Displaced fracture of proximal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.612B | Displaced fracture of proximal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.613A | Displaced fracture of proximal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.613B | Displaced fracture of proximal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.614A | Displaced fracture of proximal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.614B | Displaced fracture of proximal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.615A | Displaced fracture of proximal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.615B | Displaced fracture of proximal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.616A | Displaced fracture of proximal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.616B | Displaced fracture of proximal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.617A | Displaced fracture of proximal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.617B | Displaced fracture of proximal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.618A | Displaced fracture of proximal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.618B | Displaced fracture of proximal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.619A | Displaced fracture of proximal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.619B | Displaced fracture of proximal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.620A | Displaced fracture of middle phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.620B | Displaced fracture of middle phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.621A | Displaced fracture of middle phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.621B | Displaced fracture of middle phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.622A | Displaced fracture of middle phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S62.622B | Displaced fracture of middle phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.623A | Displaced fracture of middle phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.623B | Displaced fracture of middle phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.624A | Displaced fracture of middle phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.624B | Displaced fracture of middle phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.625A | Displaced fracture of middle phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.625B | Displaced fracture of middle phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.626A | Displaced fracture of medial phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.626B | Displaced fracture of medial phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.627A | Displaced fracture of medial phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.627B | Displaced fracture of medial phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.628A | Displaced fracture of medial phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.628B | Displaced fracture of medial phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.629A | Displaced fracture of medial phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.629B | Displaced fracture of medial phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.630A | Displaced fracture of distal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.630B | Displaced fracture of distal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.631A | Displaced fracture of distal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.631B | Displaced fracture of distal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.632A | Displaced fracture of distal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.632B | Displaced fracture of distal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.633A | Displaced fracture of distal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.633B | Displaced fracture of distal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.634A | Displaced fracture of distal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.634B | Displaced fracture of distal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.635A | Displaced fracture of distal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.635B | Displaced fracture of distal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.636A | Displaced fracture of distal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.636B | Displaced fracture of distal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.637A | Displaced fracture of distal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.637B | Displaced fracture of distal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.638A | Displaced fracture of distal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.638B | Displaced fracture of distal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.639A | Displaced fracture of distal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.639B | Displaced fracture of distal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.640A | Nondisplaced fracture of proximal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.640B | Nondisplaced fracture of proximal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.641A | Nondisplaced fracture of proximal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.641B | Nondisplaced fracture of proximal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.642A | Nondisplaced fracture of proximal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.642B | Nondisplaced fracture of proximal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.643A | Nondisplaced fracture of proximal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.643B | Nondisplaced fracture of proximal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.644A | Nondisplaced fracture of proximal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.644B | Nondisplaced fracture of proximal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.645A | Nondisplaced fracture of proximal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.645B | Nondisplaced fracture of proximal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.646A | Nondisplaced fracture of proximal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.646B | Nondisplaced fracture of proximal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.647A | Nondisplaced fracture of proximal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.647B | Nondisplaced fracture of proximal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.648A | Nondisplaced fracture of proximal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.648B | Nondisplaced fracture of proximal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.649A | Nondisplaced fracture of proximal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.649B | Nondisplaced fracture of proximal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.650A | Nondisplaced fracture of middle phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.650B | Nondisplaced fracture of middle phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.651A | Nondisplaced fracture of middle phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.651B | Nondisplaced fracture of middle phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.652A | Nondisplaced fracture of middle phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.652B | Nondisplaced fracture of middle phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.653A | Nondisplaced fracture of middle phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.653B | Nondisplaced fracture of middle phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.654A | Nondisplaced fracture of medial phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.654B | Nondisplaced fracture of medial phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.655A | Nondisplaced fracture of medial phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.655B | Nondisplaced fracture of medial phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.656A | Nondisplaced fracture of medial phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.656B | Nondisplaced fracture of medial phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.657A | Nondisplaced fracture of medial phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.657B | Nondisplaced fracture of medial phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.658A | Nondisplaced fracture of medial phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.658B | Nondisplaced fracture of medial phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.659A | Nondisplaced fracture of medial phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.659B | Nondisplaced fracture of medial phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.660A | Nondisplaced fracture of distal phalanx of right index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.660B | Nondisplaced fracture of distal phalanx of right index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.661A | Nondisplaced fracture of distal phalanx of left index finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.661B | Nondisplaced fracture of distal phalanx of left index finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.662A | Nondisplaced fracture of distal phalanx of right middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.662B | Nondisplaced fracture of distal phalanx of right middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.663A | Nondisplaced fracture of distal phalanx of left middle finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.663B | Nondisplaced fracture of distal phalanx of left middle finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.664A | Nondisplaced fracture of distal phalanx of right ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.664B | Nondisplaced fracture of distal phalanx of right ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.665A | Nondisplaced fracture of distal phalanx of left ring finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.665B | Nondisplaced fracture of distal phalanx of left ring finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.666A | Nondisplaced fracture of distal phalanx of right little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.666B | Nondisplaced fracture of distal phalanx of right little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.667A | Nondisplaced fracture of distal phalanx of left little finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.667B | Nondisplaced fracture of distal phalanx of left little finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.668A | Nondisplaced fracture of distal phalanx of other finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.668B | Nondisplaced fracture of distal phalanx of other finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.669A | Nondisplaced fracture of distal phalanx of unspecified finger, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.669B | Nondisplaced fracture of distal phalanx of unspecified finger, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.90XA | Unspecified fracture of unspecified wrist and hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.90XB | Unspecified fracture of unspecified wrist and hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.91XA | Unspecified fracture of right wrist and hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S62.91XB | Unspecified fracture of right wrist and hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S62.92XA | Unspecified fracture of left wrist and hand, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S62.92XB | Unspecified fracture of left wrist and hand, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S72.001A | Fracture of unspecified part of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.001B | Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.001C | Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.002A | Fracture of unspecified part of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.002B | Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.002C | Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.009A | Fracture of unspecified part of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.009B | Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.009C | Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.011A | Unspecified intracapsular fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.011B | Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.011C | Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.012A | Unspecified intracapsular fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.012B | Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.012C | Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.019A | Unspecified intracapsular fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.019B | Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.019C | Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.021A | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.021B | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.021C | Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.022A | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.022B | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.022C | Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.023A | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.023B | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.023C | Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.024A | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.024B | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.024C | Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.025A | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.025B | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.025C | Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.026A | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.026B | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.026C | Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.031A | Displaced midcervical fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.031B | Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.031C | Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.032A | Displaced midcervical fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.032B | Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.032C | Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.033A | Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.033B | Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.033C | Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.034A | Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.034B | Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.034C | Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.035A | Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.035B | Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.035C | Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.036A | Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.036B | Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.036C | Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.041A | Displaced fracture of base of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.041B | Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.041C | Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.042A | Displaced fracture of base of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.042B | Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.042C | Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.043A | Displaced fracture of base of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.043B | Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.043C | Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.044A | Nondisplaced fracture of base of neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.044B | Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.044C | Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.045A | Nondisplaced fracture of base of neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.045B | Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.045C | Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.046A | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.046B | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.046C | Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.051A | Unspecified fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.051B | Unspecified fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.051C | Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.052A | Unspecified fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.052B | Unspecified fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.052C | Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.059A | Unspecified fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.059B | Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.059C | Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.061A | Displaced articular fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.061B | Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.061C | Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.062A | Displaced articular fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.062B | Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.062C | Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.063A | Displaced articular fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.063B | Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.063C | Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.064A | Nondisplaced articular fracture of head of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.064B | Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.064C | Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.065A | Nondisplaced articular fracture of head of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.065B | Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.065C | Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.066A | Nondisplaced articular fracture of head of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.066B | Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.066C | Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.091A | Other fracture of head and neck of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.091B | Other fracture of head and neck of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.091C | Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.092A | Other fracture of head and neck of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.092B | Other fracture of head and neck of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.092C | Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.099A | Other fracture of head and neck of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.099B | Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.099C | Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.101A | Unspecified trochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.101B | Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.101C | Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.102A | Unspecified trochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.102B | Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.102C | Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.109A | Unspecified trochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.109B | Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.109C | Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.111A | Displaced fracture of greater trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.111B | Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.111C | Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.112A | Displaced fracture of greater trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.112B | Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.112C | Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.113A | Displaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.113B | Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.113C | Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.114A | Nondisplaced fracture of greater trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.114B | Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.114C | Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.115A | Nondisplaced fracture of greater trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.115B | Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.115C | Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.116A | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.116B | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.116C | Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.121A | Displaced fracture of lesser trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.121B | Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.121C | Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.122A | Displaced fracture of lesser trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.122B | Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.122C | Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.123A | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.123B | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.123C | Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.124A | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.124B | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.124C | Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.125A | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.125B | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.125C | Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.126A | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.126B | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.126C | Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.131A | Displaced apophyseal fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.131B | Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.131C | Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.132A | Displaced apophyseal fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.132B | Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.132C | Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.133A | Displaced apophyseal fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.133B | Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.133C | Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.134A | Nondisplaced apophyseal fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.134B | Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.134C | Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.135A | Nondisplaced apophyseal fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.135B | Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.135C | Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.136A | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.136B | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.136C | Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.141A | Displaced intertrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.141B | Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.141C | Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.142A | Displaced intertrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.142B | Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.142C | Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.143A | Displaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.143B | Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.143C | Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.144A | Nondisplaced intertrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.144B | Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.144C | Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.145A | Nondisplaced intertrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.145B | Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.145C | Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.146A | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.146B | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.146C | Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.21XA | Displaced subtrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.21XB | Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.21XC | Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.22XA | Displaced subtrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.22XB | Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.22XC | Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.23XA | Displaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.23XB | Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.23XC | Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.24XA | Nondisplaced subtrochanteric fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.24XB | Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.24XC | Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.25XA | Nondisplaced subtrochanteric fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.25XB | Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.25XC | Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.26XA | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.26XB | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.26XC | Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.301A | Unspecified fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.301B | Unspecified fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.301C | Unspecified fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.302A | Unspecified fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.302B | Unspecified fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.302C | Unspecified fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.309A | Unspecified fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.309B | Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.309C | Unspecified fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.321A | Displaced transverse fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.321B | Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.321C | Displaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.322A | Displaced transverse fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.322B | Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.322C | Displaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.323A | Displaced transverse fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.323B | Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.323C | Displaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.324A | Nondisplaced transverse fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.324B | Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.324C | Nondisplaced transverse fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.325A | Nondisplaced transverse fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.325B | Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.325C | Nondisplaced transverse fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.326A | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.326B | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.326C | Nondisplaced transverse fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.331A | Displaced oblique fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.331B | Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.331C | Displaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.332A | Displaced oblique fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.332B | Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.332C | Displaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.333A | Displaced oblique fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.333B | Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.333C | Displaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.334A | Nondisplaced oblique fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.334B | Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.334C | Nondisplaced oblique fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.335A | Nondisplaced oblique fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.335B | Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.335C | Nondisplaced oblique fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.336A | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.336B | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.336C | Nondisplaced oblique fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.341A | Displaced spiral fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.341B | Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.341C | Displaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.342A | Displaced spiral fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.342B | Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.342C | Displaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.343A | Displaced spiral fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.343B | Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.343C | Displaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.344A | Nondisplaced spiral fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.344B | Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.344C | Nondisplaced spiral fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.345A | Nondisplaced spiral fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.345B | Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.345C | Nondisplaced spiral fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.346A | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.346B | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.346C | Nondisplaced spiral fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.351A | Displaced comminuted fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.351B | Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.351C | Displaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.352A | Displaced comminuted fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.352B | Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.352C | Displaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.353A | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.353B | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.353C | Displaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.354A | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.354B | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.354C | Nondisplaced comminuted fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.355A | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.355B | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.355C | Nondisplaced comminuted fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.356A | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.356B | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.356C | Nondisplaced comminuted fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.361A | Displaced segmental fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.361B | Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.361C | Displaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.362A | Displaced segmental fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.362B | Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.362C | Displaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.363A | Displaced segmental fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.363B | Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.363C | Displaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.364A | Nondisplaced segmental fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.364B | Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.364C | Nondisplaced segmental fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.365A | Nondisplaced segmental fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.365B | Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.365C | Nondisplaced segmental fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.366A | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.366B | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.366C | Nondisplaced segmental fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.391A | Other fracture of shaft of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.391B | Other fracture of shaft of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.391C | Other fracture of shaft of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.392A | Other fracture of shaft of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.392B | Other fracture of shaft of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.392C | Other fracture of shaft of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.399A | Other fracture of shaft of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.399B | Other fracture of shaft of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.399C | Other fracture of shaft of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.401A | Unspecified fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.401B | Unspecified fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.401C | Unspecified fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.402A | Unspecified fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.402B | Unspecified fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.402C | Unspecified fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.409A | Unspecified fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.409B | Unspecified fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.409C | Unspecified fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.411A | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.411B | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.411C | Displaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.412A | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.412B | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.412C | Displaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.413A | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.413B | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.413C | Displaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.414A | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.414B | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.414C | Nondisplaced unspecified condyle fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.415A | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.415B | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.415C | Nondisplaced unspecified condyle fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.416A | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.416B | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.416C | Nondisplaced unspecified condyle fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.421A | Displaced fracture of lateral condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.421B | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.421C | Displaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.422A | Displaced fracture of lateral condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.422B | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.422C | Displaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.423A | Displaced fracture of lateral condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.423B | Displaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.423C | Displaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.424A | Nondisplaced fracture of lateral condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.424B | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.424C | Nondisplaced fracture of lateral condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.425A | Nondisplaced fracture of lateral condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.425B | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.425C | Nondisplaced fracture of lateral condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.426A | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.426B | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.426C | Nondisplaced fracture of lateral condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.431A | Displaced fracture of medial condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.431B | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.431C | Displaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.432A | Displaced fracture of medial condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.432B | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.432C | Displaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.433A | Displaced fracture of medial condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.433B | Displaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.433C | Displaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.434A | Nondisplaced fracture of medial condyle of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.434B | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.434C | Nondisplaced fracture of medial condyle of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.435A | Nondisplaced fracture of medial condyle of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.435B | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.435C | Nondisplaced fracture of medial condyle of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.436A | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.436B | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.436C | Nondisplaced fracture of medial condyle of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.441A | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.441B | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.441C | Displaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.442A | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.442B | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.442C | Displaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.443A | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.443B | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.443C | Displaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.444A | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.444B | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.444C | Nondisplaced fracture of lower epiphysis (separation) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.445A | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.445B | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.445C | Nondisplaced fracture of lower epiphysis (separation) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.446A | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.446B | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.446C | Nondisplaced fracture of lower epiphysis (separation) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.451A | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.451B | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.451C | Displaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.452A | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.452B | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.452C | Displaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.453A | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.453B | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.453C | Displaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.454A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.454B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.454C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.455A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.455B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.455C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.456A | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.456B | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.456C | Nondisplaced supracondylar fracture without intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.461A | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.461B | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.461C | Displaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.462A | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.462B | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.462C | Displaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.463A | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.463B | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.463C | Displaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.464A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.464B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.464C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.465A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.465B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.465C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.466A | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.466B | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.466C | Nondisplaced supracondylar fracture with intracondylar extension of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.471A | Torus fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.472A | Torus fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.479A | Torus fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.491A | Other fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.491B | Other fracture of lower end of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.491C | Other fracture of lower end of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S72.492A | Other fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.492B | Other fracture of lower end of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.492C | Other fracture of lower end of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.499A | Other fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.499B | Other fracture of lower end of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.499C | Other fracture of lower end of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X1A | Other fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X1B | Other fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X1C | Other fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X2A | Other fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X2B | Other fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X2C | Other fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.8X9A | Other fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.8X9B | Other fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.8X9C | Other fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.90XA | Unspecified fracture of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.90XB | Unspecified fracture of unspecified femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.90XC | Unspecified fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.90XE | Unspecified fracture of unspecified femur, subsequent encounter for open fracture type I or II with routine healing | Diagnosis | ICD-10-CM |
| S72.91XA | Unspecified fracture of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S72.91XB | Unspecified fracture of right femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.91XC | Unspecified fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.91XE | Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with routine healing | Diagnosis | ICD-10-CM |
| S72.92XA | Unspecified fracture of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S72.92XB | Unspecified fracture of left femur, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S72.92XC | Unspecified fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S72.92XE | Unspecified fracture of left femur, subsequent encounter for open fracture type I or II with routine healing | Diagnosis | ICD-10-CM |
| S79.001A | Unspecified physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.002A | Unspecified physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.009A | Unspecified physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.011A | Salter-Harris Type I physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.012A | Salter-Harris Type I physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.019A | Salter-Harris Type I physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.091A | Other physeal fracture of upper end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.092A | Other physeal fracture of upper end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.099A | Other physeal fracture of upper end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.101A | Unspecified physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.102A | Unspecified physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.109A | Unspecified physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.111A | Salter-Harris Type I physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.112A | Salter-Harris Type I physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.119A | Salter-Harris Type I physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.121A | Salter-Harris Type II physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.122A | Salter-Harris Type II physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S79.129A | Salter-Harris Type II physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.131A | Salter-Harris Type III physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.132A | Salter-Harris Type III physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.139A | Salter-Harris Type III physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.141A | Salter-Harris Type IV physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.142A | Salter-Harris Type IV physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.149A | Salter-Harris Type IV physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.191A | Other physeal fracture of lower end of right femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.192A | Other physeal fracture of lower end of left femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S79.199A | Other physeal fracture of lower end of unspecified femur, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.001A | Unspecified fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.001B | Unspecified fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.001C | Unspecified fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.002A | Unspecified fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.002B | Unspecified fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.002C | Unspecified fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.009A | Unspecified fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.009B | Unspecified fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.009C | Unspecified fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.011A | Displaced osteochondral fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.011B | Displaced osteochondral fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.011C | Displaced osteochondral fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.012A | Displaced osteochondral fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.012B | Displaced osteochondral fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.012C | Displaced osteochondral fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.013A | Displaced osteochondral fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.013B | Displaced osteochondral fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.013C | Displaced osteochondral fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.014A | Nondisplaced osteochondral fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.014B | Nondisplaced osteochondral fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.014C | Nondisplaced osteochondral fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.015A | Nondisplaced osteochondral fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.015B | Nondisplaced osteochondral fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.015C | Nondisplaced osteochondral fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.016A | Nondisplaced osteochondral fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.016B | Nondisplaced osteochondral fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.016C | Nondisplaced osteochondral fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.021A | Displaced longitudinal fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.021B | Displaced longitudinal fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.021C | Displaced longitudinal fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.022A | Displaced longitudinal fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.022B | Displaced longitudinal fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.022C | Displaced longitudinal fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.023A | Displaced longitudinal fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.023B | Displaced longitudinal fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.023C | Displaced longitudinal fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.024A | Nondisplaced longitudinal fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.024B | Nondisplaced longitudinal fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.024C | Nondisplaced longitudinal fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.025A | Nondisplaced longitudinal fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.025B | Nondisplaced longitudinal fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.025C | Nondisplaced longitudinal fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.026A | Nondisplaced longitudinal fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.026B | Nondisplaced longitudinal fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.026C | Nondisplaced longitudinal fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.031A | Displaced transverse fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.031B | Displaced transverse fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.031C | Displaced transverse fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.032A | Displaced transverse fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.032B | Displaced transverse fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.032C | Displaced transverse fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.033A | Displaced transverse fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.033B | Displaced transverse fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.033C | Displaced transverse fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.034A | Nondisplaced transverse fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.034B | Nondisplaced transverse fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.034C | Nondisplaced transverse fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.035A | Nondisplaced transverse fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.035B | Nondisplaced transverse fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.035C | Nondisplaced transverse fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.036A | Nondisplaced transverse fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.036B | Nondisplaced transverse fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.036C | Nondisplaced transverse fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.041A | Displaced comminuted fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.041B | Displaced comminuted fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.041C | Displaced comminuted fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.042A | Displaced comminuted fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.042B | Displaced comminuted fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.042C | Displaced comminuted fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.043A | Displaced comminuted fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.043B | Displaced comminuted fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.043C | Displaced comminuted fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.044A | Nondisplaced comminuted fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.044B | Nondisplaced comminuted fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.044C | Nondisplaced comminuted fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.045A | Nondisplaced comminuted fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.045B | Nondisplaced comminuted fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.045C | Nondisplaced comminuted fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.046A | Nondisplaced comminuted fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.046B | Nondisplaced comminuted fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.046C | Nondisplaced comminuted fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.091A | Other fracture of right patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.091B | Other fracture of right patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.091C | Other fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.092A | Other fracture of left patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.092B | Other fracture of left patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.092C | Other fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.099A | Other fracture of unspecified patella, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.099B | Other fracture of unspecified patella, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.099C | Other fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.101A | Unspecified fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.101B | Unspecified fracture of upper end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.101C | Unspecified fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.102A | Unspecified fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.102B | Unspecified fracture of upper end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.102C | Unspecified fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.109A | Unspecified fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.109B | Unspecified fracture of upper end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.109C | Unspecified fracture of upper end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.111A | Displaced fracture of right tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.111B | Displaced fracture of right tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.111C | Displaced fracture of right tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.112A | Displaced fracture of left tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.112B | Displaced fracture of left tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.112C | Displaced fracture of left tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.113A | Displaced fracture of unspecified tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.113B | Displaced fracture of unspecified tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.113C | Displaced fracture of unspecified tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.114A | Nondisplaced fracture of right tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.114B | Nondisplaced fracture of right tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.114C | Nondisplaced fracture of right tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.115A | Nondisplaced fracture of left tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.115B | Nondisplaced fracture of left tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.115C | Nondisplaced fracture of left tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.116A | Nondisplaced fracture of unspecified tibial spine, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.116B | Nondisplaced fracture of unspecified tibial spine, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.116C | Nondisplaced fracture of unspecified tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.121A | Displaced fracture of lateral condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.121B | Displaced fracture of lateral condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.121C | Displaced fracture of lateral condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.122A | Displaced fracture of lateral condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.122B | Displaced fracture of lateral condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.122C | Displaced fracture of lateral condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.123A | Displaced fracture of lateral condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.123B | Displaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.123C | Displaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.124A | Nondisplaced fracture of lateral condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.124B | Nondisplaced fracture of lateral condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.124C | Nondisplaced fracture of lateral condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.125A | Nondisplaced fracture of lateral condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.125B | Nondisplaced fracture of lateral condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.125C | Nondisplaced fracture of lateral condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.126A | Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.126B | Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.126C | Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.131A | Displaced fracture of medial condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.131B | Displaced fracture of medial condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.131C | Displaced fracture of medial condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.132A | Displaced fracture of medial condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.132B | Displaced fracture of medial condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.132C | Displaced fracture of medial condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.133A | Displaced fracture of medial condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.133B | Displaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.133C | Displaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.134A | Nondisplaced fracture of medial condyle of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.134B | Nondisplaced fracture of medial condyle of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.134C | Nondisplaced fracture of medial condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.135A | Nondisplaced fracture of medial condyle of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.135B | Nondisplaced fracture of medial condyle of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.135C | Nondisplaced fracture of medial condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.136A | Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.136B | Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.136C | Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.141A | Displaced bicondylar fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.141B | Displaced bicondylar fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.141C | Displaced bicondylar fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.142A | Displaced bicondylar fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.142B | Displaced bicondylar fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.142C | Displaced bicondylar fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.143A | Displaced bicondylar fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.143B | Displaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.143C | Displaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.144A | Nondisplaced bicondylar fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.144B | Nondisplaced bicondylar fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.144C | Nondisplaced bicondylar fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.145A | Nondisplaced bicondylar fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.145B | Nondisplaced bicondylar fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.145C | Nondisplaced bicondylar fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.146A | Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.146B | Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.146C | Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.151A | Displaced fracture of right tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.151B | Displaced fracture of right tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.151C | Displaced fracture of right tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.152A | Displaced fracture of left tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.152B | Displaced fracture of left tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.152C | Displaced fracture of left tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.153A | Displaced fracture of unspecified tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.153B | Displaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.153C | Displaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.154A | Nondisplaced fracture of right tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.154B | Nondisplaced fracture of right tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.154C | Nondisplaced fracture of right tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.155A | Nondisplaced fracture of left tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.155B | Nondisplaced fracture of left tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.155C | Nondisplaced fracture of left tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.156A | Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.156B | Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.156C | Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.161A | Torus fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.162A | Torus fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.169A | Torus fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.191A | Other fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.191B | Other fracture of upper end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.191C | Other fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.192A | Other fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.192B | Other fracture of upper end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.192C | Other fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.199A | Other fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.199B | Other fracture of upper end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.199C | Other fracture of upper end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.201A | Unspecified fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.201B | Unspecified fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.201C | Unspecified fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.202A | Unspecified fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.202B | Unspecified fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.202C | Unspecified fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.209A | Unspecified fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.209B | Unspecified fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.209C | Unspecified fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.221A | Displaced transverse fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.221B | Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.221C | Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.222A | Displaced transverse fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.222B | Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.222C | Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.223A | Displaced transverse fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.223B | Displaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.223C | Displaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.224A | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.224B | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.224C | Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.225A | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.225B | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.225C | Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.226A | Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.226B | Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.226C | Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.231A | Displaced oblique fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.231B | Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.231C | Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.232A | Displaced oblique fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.232B | Displaced oblique fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.232C | Displaced oblique fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.233A | Displaced oblique fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.233B | Displaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.233C | Displaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.234A | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.234B | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.234C | Nondisplaced oblique fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.235A | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.235B | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.235C | Nondisplaced oblique fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.236A | Nondisplaced oblique fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.236B | Nondisplaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.236C | Nondisplaced oblique fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.241A | Displaced spiral fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.241B | Displaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.241C | Displaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.242A | Displaced spiral fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.242B | Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.242C | Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.243A | Displaced spiral fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.243B | Displaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.243C | Displaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.244A | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.244B | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.244C | Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.245A | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.245B | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.245C | Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.246A | Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.246B | Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.246C | Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.251A | Displaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.251B | Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.251C | Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.252A | Displaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.252B | Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.252C | Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.253A | Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.253B | Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.253C | Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.254A | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.254B | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.254C | Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.255A | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.255B | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.255C | Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.256A | Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.256B | Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.256C | Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.261A | Displaced segmental fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.261B | Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.261C | Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.262A | Displaced segmental fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.262B | Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.262C | Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.263A | Displaced segmental fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.263B | Displaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.263C | Displaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.264A | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.264B | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.264C | Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.265A | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.265B | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.265C | Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.266A | Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.266B | Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.266C | Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.291A | Other fracture of shaft of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.291B | Other fracture of shaft of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.291C | Other fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.292A | Other fracture of shaft of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.292B | Other fracture of shaft of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.292C | Other fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.299A | Other fracture of shaft of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.299B | Other fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.299C | Other fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.301A | Unspecified fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.301B | Unspecified fracture of lower end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.301C | Unspecified fracture of lower end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.302A | Unspecified fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.302B | Unspecified fracture of lower end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.302C | Unspecified fracture of lower end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.309A | Unspecified fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.309B | Unspecified fracture of lower end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.309C | Unspecified fracture of lower end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.311A | Torus fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.312A | Torus fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.319A | Torus fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.391A | Other fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.391B | Other fracture of lower end of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.391C | Other fracture of lower end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.392A | Other fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.392B | Other fracture of lower end of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.392C | Other fracture of lower end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.399A | Other fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.399B | Other fracture of lower end of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.399C | Other fracture of lower end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.401A | Unspecified fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.401B | Unspecified fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.401C | Unspecified fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.402A | Unspecified fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.402B | Unspecified fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.402C | Unspecified fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.409A | Unspecified fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.409B | Unspecified fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.409C | Unspecified fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.421A | Displaced transverse fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.421B | Displaced transverse fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.421C | Displaced transverse fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.422A | Displaced transverse fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.422B | Displaced transverse fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.422C | Displaced transverse fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.423A | Displaced transverse fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.423B | Displaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.423C | Displaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.424A | Nondisplaced transverse fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.424B | Nondisplaced transverse fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.424C | Nondisplaced transverse fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.425A | Nondisplaced transverse fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.425B | Nondisplaced transverse fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.425C | Nondisplaced transverse fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.426A | Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.426B | Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.426C | Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.431A | Displaced oblique fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.431B | Displaced oblique fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.431C | Displaced oblique fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.432A | Displaced oblique fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.432B | Displaced oblique fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.432C | Displaced oblique fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.433A | Displaced oblique fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.433B | Displaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.433C | Displaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.434A | Nondisplaced oblique fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.434B | Nondisplaced oblique fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.434C | Nondisplaced oblique fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.435A | Nondisplaced oblique fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.435B | Nondisplaced oblique fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.435C | Nondisplaced oblique fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.436A | Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.436B | Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.436C | Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.441A | Displaced spiral fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.441B | Displaced spiral fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.441C | Displaced spiral fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.442A | Displaced spiral fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.442B | Displaced spiral fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.442C | Displaced spiral fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.443A | Displaced spiral fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.443B | Displaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.443C | Displaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.444A | Nondisplaced spiral fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.444B | Nondisplaced spiral fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.444C | Nondisplaced spiral fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.445A | Nondisplaced spiral fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.445B | Nondisplaced spiral fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.445C | Nondisplaced spiral fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.446A | Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.446B | Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.446C | Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.451A | Displaced comminuted fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.451B | Displaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.451C | Displaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.452A | Displaced comminuted fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.452B | Displaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.452C | Displaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.453A | Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.453B | Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.453C | Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.454A | Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.454B | Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.454C | Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.455A | Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.455B | Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.455C | Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.456A | Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.456B | Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.456C | Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.461A | Displaced segmental fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.461B | Displaced segmental fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.461C | Displaced segmental fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.462A | Displaced segmental fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.462B | Displaced segmental fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.462C | Displaced segmental fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.463A | Displaced segmental fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.463B | Displaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.463C | Displaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.464A | Nondisplaced segmental fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.464B | Nondisplaced segmental fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.464C | Nondisplaced segmental fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.465A | Nondisplaced segmental fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.465B | Nondisplaced segmental fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.465C | Nondisplaced segmental fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.466A | Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.466B | Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.466C | Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.491A | Other fracture of shaft of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.491B | Other fracture of shaft of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.491C | Other fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.492A | Other fracture of shaft of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.492B | Other fracture of shaft of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.492C | Other fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.499A | Other fracture of shaft of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.499B | Other fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.499C | Other fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.51XA | Displaced fracture of medial malleolus of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.51XB | Displaced fracture of medial malleolus of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.51XC | Displaced fracture of medial malleolus of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.52XA | Displaced fracture of medial malleolus of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.52XB | Displaced fracture of medial malleolus of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.52XC | Displaced fracture of medial malleolus of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.53XA | Displaced fracture of medial malleolus of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.53XB | Displaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.53XC | Displaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.54XA | Nondisplaced fracture of medial malleolus of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.54XB | Nondisplaced fracture of medial malleolus of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.54XC | Nondisplaced fracture of medial malleolus of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.55XA | Nondisplaced fracture of medial malleolus of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.55XB | Nondisplaced fracture of medial malleolus of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.55XC | Nondisplaced fracture of medial malleolus of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.56XA | Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.56XB | Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.56XC | Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.61XA | Displaced fracture of lateral malleolus of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.61XB | Displaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.61XC | Displaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.62XA | Displaced fracture of lateral malleolus of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.62XB | Displaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.62XC | Displaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.63XA | Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.63XB | Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.63XC | Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.64XA | Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.64XB | Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.64XC | Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.65XA | Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.65XB | Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.65XC | Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.66XA | Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.66XB | Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.66XC | Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.811A | Torus fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.812A | Torus fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.819A | Torus fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.821A | Torus fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.822A | Torus fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.829A | Torus fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.831A | Other fracture of upper and lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.831B | Other fracture of upper and lower end of right fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.831C | Other fracture of upper and lower end of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.832A | Other fracture of upper and lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.832B | Other fracture of upper and lower end of left fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.832C | Other fracture of upper and lower end of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.839A | Other fracture of upper and lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.839B | Other fracture of upper and lower end of unspecified fibula, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.839C | Other fracture of upper and lower end of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.841A | Displaced bimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.841B | Displaced bimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.841C | Displaced bimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.842A | Displaced bimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.842B | Displaced bimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.842C | Displaced bimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.843A | Displaced bimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.843B | Displaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.843C | Displaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.844A | Nondisplaced bimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.844B | Nondisplaced bimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.844C | Nondisplaced bimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.845A | Nondisplaced bimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.845B | Nondisplaced bimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.845C | Nondisplaced bimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.846A | Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.846B | Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.846C | Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.851A | Displaced trimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.851B | Displaced trimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.851C | Displaced trimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.852A | Displaced trimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.852B | Displaced trimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.852C | Displaced trimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.853A | Displaced trimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.853B | Displaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.853C | Displaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.854A | Nondisplaced trimalleolar fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.854B | Nondisplaced trimalleolar fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.854C | Nondisplaced trimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.855A | Nondisplaced trimalleolar fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.855B | Nondisplaced trimalleolar fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S82.855C | Nondisplaced trimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.856A | Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.856B | Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.856C | Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.861A | Displaced Maisonneuve's fracture of right leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.861B | Displaced Maisonneuve's fracture of right leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.861C | Displaced Maisonneuve's fracture of right leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.862A | Displaced Maisonneuve's fracture of left leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.862B | Displaced Maisonneuve's fracture of left leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.862C | Displaced Maisonneuve's fracture of left leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.863A | Displaced Maisonneuve's fracture of unspecified leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.863B | Displaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.863C | Displaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.864A | Nondisplaced Maisonneuve's fracture of right leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.864B | Nondisplaced Maisonneuve's fracture of right leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.864C | Nondisplaced Maisonneuve's fracture of right leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.865A | Nondisplaced Maisonneuve's fracture of left leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.865B | Nondisplaced Maisonneuve's fracture of left leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.865C | Nondisplaced Maisonneuve's fracture of left leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.866A | Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.866B | Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.866C | Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.871A | Displaced pilon fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.871B | Displaced pilon fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.871C | Displaced pilon fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.872A | Displaced pilon fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.872B | Displaced pilon fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.872C | Displaced pilon fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.873A | Displaced pilon fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.873B | Displaced pilon fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.873C | Displaced pilon fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.874A | Nondisplaced pilon fracture of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.874B | Nondisplaced pilon fracture of right tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.874C | Nondisplaced pilon fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.875A | Nondisplaced pilon fracture of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.875B | Nondisplaced pilon fracture of left tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.875C | Nondisplaced pilon fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.876A | Nondisplaced pilon fracture of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.876B | Nondisplaced pilon fracture of unspecified tibia, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.876C | Nondisplaced pilon fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.891A | Other fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.891B | Other fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S82.891C | Other fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.892A | Other fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.892B | Other fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.892C | Other fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.899A | Other fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.899B | Other fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.899C | Other fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.90XA | Unspecified fracture of unspecified lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.90XB | Unspecified fracture of unspecified lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.90XC | Unspecified fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.91XA | Unspecified fracture of right lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.91XB | Unspecified fracture of right lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.91XC | Unspecified fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S82.92XA | Unspecified fracture of left lower leg, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S82.92XB | Unspecified fracture of left lower leg, initial encounter for open fracture type I or II | Diagnosis | ICD-10-CM |
| S82.92XC | Unspecified fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC | Diagnosis | ICD-10-CM |
| S89.001A | Unspecified physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.002A | Unspecified physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.009A | Unspecified physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.011A | Salter-Harris Type I physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.012A | Salter-Harris Type I physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.019A | Salter-Harris Type I physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S89.021A | Salter-Harris Type II physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.022A | Salter-Harris Type II physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.029A | Salter-Harris Type II physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.031A | Salter-Harris Type III physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.032A | Salter-Harris Type III physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.039A | Salter-Harris Type III physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.041A | Salter-Harris Type IV physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.042A | Salter-Harris Type IV physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.049A | Salter-Harris Type IV physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.091A | Other physeal fracture of upper end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.092A | Other physeal fracture of upper end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.099A | Other physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.101A | Unspecified physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.102A | Unspecified physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.109A | Unspecified physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.111A | Salter-Harris Type I physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.112A | Salter-Harris Type I physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.119A | Salter-Harris Type I physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.121A | Salter-Harris Type II physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.122A | Salter-Harris Type II physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S89.129A | Salter-Harris Type II physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.131A | Salter-Harris Type III physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.132A | Salter-Harris Type III physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.139A | Salter-Harris Type III physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.141A | Salter-Harris Type IV physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.142A | Salter-Harris Type IV physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.149A | Salter-Harris Type IV physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.191A | Other physeal fracture of lower end of right tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.192A | Other physeal fracture of lower end of left tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.199A | Other physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.201A | Unspecified physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.202A | Unspecified physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.209A | Unspecified physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.211A | Salter-Harris Type I physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.212A | Salter-Harris Type I physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.219A | Salter-Harris Type I physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.221A | Salter-Harris Type II physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.222A | Salter-Harris Type II physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.229A | Salter-Harris Type II physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.291A | Other physeal fracture of upper end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S89.292A | Other physeal fracture of upper end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.299A | Other physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.301A | Unspecified physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.302A | Unspecified physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.309A | Unspecified physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.311A | Salter-Harris Type I physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.312A | Salter-Harris Type I physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.319A | Salter-Harris Type I physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.321A | Salter-Harris Type II physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.322A | Salter-Harris Type II physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.329A | Salter-Harris Type II physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.391A | Other physeal fracture of lower end of right fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.392A | Other physeal fracture of lower end of left fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S89.399A | Other physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.001A | Unspecified fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.001B | Unspecified fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.002A | Unspecified fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.002B | Unspecified fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.009A | Unspecified fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.009B | Unspecified fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.011A | Displaced fracture of body of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.011B | Displaced fracture of body of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.012A | Displaced fracture of body of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.012B | Displaced fracture of body of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.013A | Displaced fracture of body of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.013B | Displaced fracture of body of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.014A | Nondisplaced fracture of body of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.014B | Nondisplaced fracture of body of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.015A | Nondisplaced fracture of body of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.015B | Nondisplaced fracture of body of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.016A | Nondisplaced fracture of body of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.016B | Nondisplaced fracture of body of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.021A | Displaced fracture of anterior process of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.021B | Displaced fracture of anterior process of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.022A | Displaced fracture of anterior process of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.022B | Displaced fracture of anterior process of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.023A | Displaced fracture of anterior process of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.023B | Displaced fracture of anterior process of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.024A | Nondisplaced fracture of anterior process of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.024B | Nondisplaced fracture of anterior process of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.025A | Nondisplaced fracture of anterior process of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.025B | Nondisplaced fracture of anterior process of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.026A | Nondisplaced fracture of anterior process of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.026B | Nondisplaced fracture of anterior process of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.031A | Displaced avulsion fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.031B | Displaced avulsion fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.032A | Displaced avulsion fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.032B | Displaced avulsion fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.033A | Displaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.033B | Displaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.034A | Nondisplaced avulsion fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.034B | Nondisplaced avulsion fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.035A | Nondisplaced avulsion fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.035B | Nondisplaced avulsion fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.036A | Nondisplaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.036B | Nondisplaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.041A | Displaced other fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.041B | Displaced other fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.042A | Displaced other fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.042B | Displaced other fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.043A | Displaced other fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.043B | Displaced other fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.044A | Nondisplaced other fracture of tuberosity of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.044B | Nondisplaced other fracture of tuberosity of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.045A | Nondisplaced other fracture of tuberosity of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.045B | Nondisplaced other fracture of tuberosity of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.046A | Nondisplaced other fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.046B | Nondisplaced other fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.051A | Displaced other extraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.051B | Displaced other extraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.052A | Displaced other extraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.052B | Displaced other extraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.053A | Displaced other extraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.053B | Displaced other extraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.054A | Nondisplaced other extraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.054B | Nondisplaced other extraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.055A | Nondisplaced other extraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.055B | Nondisplaced other extraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.056A | Nondisplaced other extraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.056B | Nondisplaced other extraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.061A | Displaced intraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.061B | Displaced intraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.062A | Displaced intraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.062B | Displaced intraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.063A | Displaced intraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.063B | Displaced intraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.064A | Nondisplaced intraarticular fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.064B | Nondisplaced intraarticular fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.065A | Nondisplaced intraarticular fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.065B | Nondisplaced intraarticular fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.066A | Nondisplaced intraarticular fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.066B | Nondisplaced intraarticular fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.101A | Unspecified fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.101B | Unspecified fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.102A | Unspecified fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.102B | Unspecified fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.109A | Unspecified fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.109B | Unspecified fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.111A | Displaced fracture of neck of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.111B | Displaced fracture of neck of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.112A | Displaced fracture of neck of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.112B | Displaced fracture of neck of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.113A | Displaced fracture of neck of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.113B | Displaced fracture of neck of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.114A | Nondisplaced fracture of neck of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.114B | Nondisplaced fracture of neck of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.115A | Nondisplaced fracture of neck of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.115B | Nondisplaced fracture of neck of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.116A | Nondisplaced fracture of neck of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.116B | Nondisplaced fracture of neck of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.121A | Displaced fracture of body of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.121B | Displaced fracture of body of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.122A | Displaced fracture of body of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.122B | Displaced fracture of body of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.123A | Displaced fracture of body of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.123B | Displaced fracture of body of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.124A | Nondisplaced fracture of body of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.124B | Nondisplaced fracture of body of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.125A | Nondisplaced fracture of body of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.125B | Nondisplaced fracture of body of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.126A | Nondisplaced fracture of body of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.126B | Nondisplaced fracture of body of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.131A | Displaced fracture of posterior process of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.131B | Displaced fracture of posterior process of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.132A | Displaced fracture of posterior process of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.132B | Displaced fracture of posterior process of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.133A | Displaced fracture of posterior process of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.133B | Displaced fracture of posterior process of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.134A | Nondisplaced fracture of posterior process of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.134B | Nondisplaced fracture of posterior process of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.135A | Nondisplaced fracture of posterior process of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.135B | Nondisplaced fracture of posterior process of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.136A | Nondisplaced fracture of posterior process of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.136B | Nondisplaced fracture of posterior process of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.141A | Displaced dome fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.141B | Displaced dome fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.142A | Displaced dome fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.142B | Displaced dome fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.143A | Displaced dome fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.143B | Displaced dome fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.144A | Nondisplaced dome fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.144B | Nondisplaced dome fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.145A | Nondisplaced dome fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.145B | Nondisplaced dome fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.146A | Nondisplaced dome fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.146B | Nondisplaced dome fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.151A | Displaced avulsion fracture (chip fracture) of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.151B | Displaced avulsion fracture (chip fracture) of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.152A | Displaced avulsion fracture (chip fracture) of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.152B | Displaced avulsion fracture (chip fracture) of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.153A | Displaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.153B | Displaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.154A | Nondisplaced avulsion fracture (chip fracture) of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.154B | Nondisplaced avulsion fracture (chip fracture) of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.155A | Nondisplaced avulsion fracture (chip fracture) of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.155B | Nondisplaced avulsion fracture (chip fracture) of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.156A | Nondisplaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.156B | Nondisplaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.191A | Other fracture of right talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.191B | Other fracture of right talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.192A | Other fracture of left talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.192B | Other fracture of left talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.199A | Other fracture of unspecified talus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.199B | Other fracture of unspecified talus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.201A | Fracture of unspecified tarsal bone(s) of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.201B | Fracture of unspecified tarsal bone(s) of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.202A | Fracture of unspecified tarsal bone(s) of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.202B | Fracture of unspecified tarsal bone(s) of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.209A | Fracture of unspecified tarsal bone(s) of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.209B | Fracture of unspecified tarsal bone(s) of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.211A | Displaced fracture of cuboid bone of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.211B | Displaced fracture of cuboid bone of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.212A | Displaced fracture of cuboid bone of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.212B | Displaced fracture of cuboid bone of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.213A | Displaced fracture of cuboid bone of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.213B | Displaced fracture of cuboid bone of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.214A | Nondisplaced fracture of cuboid bone of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.214B | Nondisplaced fracture of cuboid bone of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.215A | Nondisplaced fracture of cuboid bone of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.215B | Nondisplaced fracture of cuboid bone of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.216A | Nondisplaced fracture of cuboid bone of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.216B | Nondisplaced fracture of cuboid bone of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.221A | Displaced fracture of lateral cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.221B | Displaced fracture of lateral cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.222A | Displaced fracture of lateral cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.222B | Displaced fracture of lateral cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.223A | Displaced fracture of lateral cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.223B | Displaced fracture of lateral cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.224A | Nondisplaced fracture of lateral cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.224B | Nondisplaced fracture of lateral cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.225A | Nondisplaced fracture of lateral cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.225B | Nondisplaced fracture of lateral cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.226A | Nondisplaced fracture of lateral cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.226B | Nondisplaced fracture of lateral cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.231A | Displaced fracture of intermediate cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.231B | Displaced fracture of intermediate cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.232A | Displaced fracture of intermediate cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.232B | Displaced fracture of intermediate cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.233A | Displaced fracture of intermediate cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.233B | Displaced fracture of intermediate cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.234A | Nondisplaced fracture of intermediate cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.234B | Nondisplaced fracture of intermediate cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.235A | Nondisplaced fracture of intermediate cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.235B | Nondisplaced fracture of intermediate cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.236A | Nondisplaced fracture of intermediate cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.236B | Nondisplaced fracture of intermediate cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.241A | Displaced fracture of medial cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.241B | Displaced fracture of medial cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.242A | Displaced fracture of medial cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.242B | Displaced fracture of medial cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.243A | Displaced fracture of medial cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.243B | Displaced fracture of medial cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.244A | Nondisplaced fracture of medial cuneiform of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.244B | Nondisplaced fracture of medial cuneiform of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.245A | Nondisplaced fracture of medial cuneiform of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.245B | Nondisplaced fracture of medial cuneiform of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.246A | Nondisplaced fracture of medial cuneiform of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.246B | Nondisplaced fracture of medial cuneiform of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.251A | Displaced fracture of navicular [scaphoid] of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.251B | Displaced fracture of navicular [scaphoid] of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.252A | Displaced fracture of navicular [scaphoid] of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.252B | Displaced fracture of navicular [scaphoid] of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.253A | Displaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.253B | Displaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.254A | Nondisplaced fracture of navicular [scaphoid] of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.254B | Nondisplaced fracture of navicular [scaphoid] of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.255A | Nondisplaced fracture of navicular [scaphoid] of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.255B | Nondisplaced fracture of navicular [scaphoid] of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.256A | Nondisplaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.256B | Nondisplaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.301A | Fracture of unspecified metatarsal bone(s), right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.301B | Fracture of unspecified metatarsal bone(s), right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.302A | Fracture of unspecified metatarsal bone(s), left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.302B | Fracture of unspecified metatarsal bone(s), left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.309A | Fracture of unspecified metatarsal bone(s), unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.309B | Fracture of unspecified metatarsal bone(s), unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.311A | Displaced fracture of first metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.311B | Displaced fracture of first metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.312A | Displaced fracture of first metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.312B | Displaced fracture of first metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.313A | Displaced fracture of first metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.313B | Displaced fracture of first metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.314A | Nondisplaced fracture of first metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.314B | Nondisplaced fracture of first metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.315A | Nondisplaced fracture of first metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.315B | Nondisplaced fracture of first metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.316A | Nondisplaced fracture of first metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.316B | Nondisplaced fracture of first metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.321A | Displaced fracture of second metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.321B | Displaced fracture of second metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.322A | Displaced fracture of second metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.322B | Displaced fracture of second metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.323A | Displaced fracture of second metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.323B | Displaced fracture of second metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.324A | Nondisplaced fracture of second metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.324B | Nondisplaced fracture of second metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.325A | Nondisplaced fracture of second metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.325B | Nondisplaced fracture of second metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.326A | Nondisplaced fracture of second metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.326B | Nondisplaced fracture of second metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.331A | Displaced fracture of third metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.331B | Displaced fracture of third metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.332A | Displaced fracture of third metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.332B | Displaced fracture of third metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.333A | Displaced fracture of third metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.333B | Displaced fracture of third metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.334A | Nondisplaced fracture of third metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.334B | Nondisplaced fracture of third metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.335A | Nondisplaced fracture of third metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.335B | Nondisplaced fracture of third metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.336A | Nondisplaced fracture of third metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.336B | Nondisplaced fracture of third metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.341A | Displaced fracture of fourth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.341B | Displaced fracture of fourth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.342A | Displaced fracture of fourth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.342B | Displaced fracture of fourth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.343A | Displaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.343B | Displaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.344A | Nondisplaced fracture of fourth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.344B | Nondisplaced fracture of fourth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.345A | Nondisplaced fracture of fourth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.345B | Nondisplaced fracture of fourth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.346A | Nondisplaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.346B | Nondisplaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.351A | Displaced fracture of fifth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.351B | Displaced fracture of fifth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.352A | Displaced fracture of fifth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.352B | Displaced fracture of fifth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.353A | Displaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.353B | Displaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.354A | Nondisplaced fracture of fifth metatarsal bone, right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.354B | Nondisplaced fracture of fifth metatarsal bone, right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.355A | Nondisplaced fracture of fifth metatarsal bone, left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.355B | Nondisplaced fracture of fifth metatarsal bone, left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.356A | Nondisplaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.356B | Nondisplaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.401A | Displaced unspecified fracture of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.401B | Displaced unspecified fracture of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.402A | Displaced unspecified fracture of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.402B | Displaced unspecified fracture of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.403A | Displaced unspecified fracture of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.403B | Displaced unspecified fracture of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.404A | Nondisplaced unspecified fracture of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.404B | Nondisplaced unspecified fracture of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.405A | Nondisplaced unspecified fracture of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.405B | Nondisplaced unspecified fracture of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.406A | Nondisplaced unspecified fracture of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.406B | Nondisplaced unspecified fracture of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.411A | Displaced fracture of proximal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.411B | Displaced fracture of proximal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.412A | Displaced fracture of proximal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.412B | Displaced fracture of proximal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.413A | Displaced fracture of proximal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.413B | Displaced fracture of proximal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.414A | Nondisplaced fracture of proximal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.414B | Nondisplaced fracture of proximal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.415A | Nondisplaced fracture of proximal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.415B | Nondisplaced fracture of proximal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.416A | Nondisplaced fracture of proximal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.416B | Nondisplaced fracture of proximal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.421A | Displaced fracture of distal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.421B | Displaced fracture of distal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.422A | Displaced fracture of distal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.422B | Displaced fracture of distal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.423A | Displaced fracture of distal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.423B | Displaced fracture of distal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.424A | Nondisplaced fracture of distal phalanx of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.424B | Nondisplaced fracture of distal phalanx of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.425A | Nondisplaced fracture of distal phalanx of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.425B | Nondisplaced fracture of distal phalanx of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.426A | Nondisplaced fracture of distal phalanx of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.426B | Nondisplaced fracture of distal phalanx of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.491A | Other fracture of right great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.491B | Other fracture of right great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.492A | Other fracture of left great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.492B | Other fracture of left great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.499A | Other fracture of unspecified great toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.499B | Other fracture of unspecified great toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.501A | Displaced unspecified fracture of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.501B | Displaced unspecified fracture of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.502A | Displaced unspecified fracture of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.502B | Displaced unspecified fracture of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.503A | Displaced unspecified fracture of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.503B | Displaced unspecified fracture of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.504A | Nondisplaced unspecified fracture of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.504B | Nondisplaced unspecified fracture of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.505A | Nondisplaced unspecified fracture of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.505B | Nondisplaced unspecified fracture of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.506A | Nondisplaced unspecified fracture of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.506B | Nondisplaced unspecified fracture of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.511A | Displaced fracture of proximal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.511B | Displaced fracture of proximal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.512A | Displaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.512B | Displaced fracture of proximal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.513A | Displaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.513B | Displaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.514A | Nondisplaced fracture of proximal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.514B | Nondisplaced fracture of proximal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.515A | Nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.515B | Nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.516A | Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.516B | Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.521A | Displaced fracture of middle phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.521B | Displaced fracture of middle phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.522A | Displaced fracture of middle phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.522B | Displaced fracture of middle phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.523A | Displaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.523B | Displaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.524A | Nondisplaced fracture of middle phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.524B | Nondisplaced fracture of middle phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.525A | Nondisplaced fracture of middle phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.525B | Nondisplaced fracture of middle phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.526A | Nondisplaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.526B | Nondisplaced fracture of middle phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.531A | Displaced fracture of distal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.531B | Displaced fracture of distal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.532A | Displaced fracture of distal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.532B | Displaced fracture of distal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S92.533A | Displaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.533B | Displaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.534A | Nondisplaced fracture of distal phalanx of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.534B | Nondisplaced fracture of distal phalanx of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.535A | Nondisplaced fracture of distal phalanx of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.535B | Nondisplaced fracture of distal phalanx of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.536A | Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.536B | Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.591A | Other fracture of right lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.591B | Other fracture of right lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.592A | Other fracture of left lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.592B | Other fracture of left lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.599A | Other fracture of unspecified lesser toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.599B | Other fracture of unspecified lesser toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.811A | Other fracture of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.811B | Other fracture of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.812A | Other fracture of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.812B | Other fracture of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.819A | Other fracture of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.819B | Other fracture of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.901A | Unspecified fracture of right foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.901B | Unspecified fracture of right foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.902A | Unspecified fracture of left foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.902B | Unspecified fracture of left foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.909A | Unspecified fracture of unspecified foot, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.909B | Unspecified fracture of unspecified foot, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.911A | Unspecified fracture of right toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.911B | Unspecified fracture of right toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S92.912A | Unspecified fracture of left toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.912B | Unspecified fracture of left toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S92.919A | Unspecified fracture of unspecified toe(s), initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S92.919B | Unspecified fracture of unspecified toe(s), initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.001A | Unspecified physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.001B | Unspecified physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.002A | Unspecified physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.002B | Unspecified physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.009A | Unspecified physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.009B | Unspecified physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.011A | Salter-Harris Type I physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.011B | Salter-Harris Type I physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.012A | Salter-Harris Type I physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.012B | Salter-Harris Type I physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.019A | Salter-Harris Type I physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.019B | Salter-Harris Type I physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.021A | Salter-Harris Type II physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.021B | Salter-Harris Type II physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.022A | Salter-Harris Type II physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.022B | Salter-Harris Type II physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.029A | Salter-Harris Type II physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.029B | Salter-Harris Type II physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S99.031A | Salter-Harris Type III physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.031B | Salter-Harris Type III physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.032A | Salter-Harris Type III physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.032B | Salter-Harris Type III physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.039A | Salter-Harris Type III physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.039B | Salter-Harris Type III physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.041A | Salter-Harris Type IV physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.041B | Salter-Harris Type IV physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.042A | Salter-Harris Type IV physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.042B | Salter-Harris Type IV physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.049A | Salter-Harris Type IV physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.049B | Salter-Harris Type IV physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.091A | Other physeal fracture of right calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.091B | Other physeal fracture of right calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.092A | Other physeal fracture of left calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.092B | Other physeal fracture of left calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.099A | Other physeal fracture of unspecified calcaneus, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.099B | Other physeal fracture of unspecified calcaneus, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.101A | Unspecified physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.101B | Unspecified physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.102A | Unspecified physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S99.102B | Unspecified physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.109A | Unspecified physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.109B | Unspecified physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.111A | Salter-Harris Type I physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.111B | Salter-Harris Type I physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.112A | Salter-Harris Type I physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.112B | Salter-Harris Type I physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.119A | Salter-Harris Type I physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.119B | Salter-Harris Type I physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.121A | Salter-Harris Type II physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.121B | Salter-Harris Type II physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.122A | Salter-Harris Type II physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.122B | Salter-Harris Type II physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.129A | Salter-Harris Type II physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.129B | Salter-Harris Type II physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.131A | Salter-Harris Type III physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.131B | Salter-Harris Type III physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.132A | Salter-Harris Type III physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.132B | Salter-Harris Type III physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.139A | Salter-Harris Type III physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| S99.139B | Salter-Harris Type III physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.141A | Salter-Harris Type IV physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.141B | Salter-Harris Type IV physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.142A | Salter-Harris Type IV physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.142B | Salter-Harris Type IV physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.149A | Salter-Harris Type IV physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.149B | Salter-Harris Type IV physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.191A | Other physeal fracture of right metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.191B | Other physeal fracture of right metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.192A | Other physeal fracture of left metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.192B | Other physeal fracture of left metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.199A | Other physeal fracture of unspecified metatarsal, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.199B | Other physeal fracture of unspecified metatarsal, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.201A | Unspecified physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.201B | Unspecified physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.202A | Unspecified physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.202B | Unspecified physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.209A | Unspecified physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.209B | Unspecified physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.211A | Salter-Harris Type I physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.211B | Salter-Harris Type I physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |

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| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| S99.212A | Salter-Harris Type I physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.212B | Salter-Harris Type I physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.219A | Salter-Harris Type I physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.219B | Salter-Harris Type I physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.221A | Salter-Harris Type II physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.221B | Salter-Harris Type II physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.222A | Salter-Harris Type II physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.222B | Salter-Harris Type II physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.229A | Salter-Harris Type II physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.229B | Salter-Harris Type II physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.231A | Salter-Harris Type III physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.231B | Salter-Harris Type III physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.232A | Salter-Harris Type III physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.232B | Salter-Harris Type III physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.239A | Salter-Harris Type III physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.239B | Salter-Harris Type III physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.241A | Salter-Harris Type IV physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.241B | Salter-Harris Type IV physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.242A | Salter-Harris Type IV physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.242B | Salter-Harris Type IV physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-----------------------------------|---|----------------------|------------------|
| S99.249A | Salter-Harris Type IV physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.249B | Salter-Harris Type IV physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.291A | Other physeal fracture of phalanx of right toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.291B | Other physeal fracture of phalanx of right toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.292A | Other physeal fracture of phalanx of left toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.292B | Other physeal fracture of phalanx of left toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| S99.299A | Other physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture | Diagnosis | ICD-10-CM |
| S99.299B | Other physeal fracture of phalanx of unspecified toe, initial encounter for open fracture | Diagnosis | ICD-10-CM |
| T14.8XXA | Other injury of unspecified body region, initial encounter | Diagnosis | ICD-10-CM |
| Secondary: Hip Replacement | | | |
| 81.51 | Total hip replacement | Procedure | ICD-9-CM |
| 81.52 | Partial hip replacement | Procedure | ICD-9-CM |
| 27125 | Hemiarthroplasty, hip, partial (eg, femoral stem prosthesis, bipolar arthroplasty) | Procedure | CPT-4 |
| 27130 | Arthroplasty, acetabular and proximal femoral prosthetic replacement (total hip arthroplasty), with or without autograft or allograft | Procedure | CPT-4 |
| 27236 | Open treatment of femoral fracture, proximal end, neck, internal fixation or prosthetic replacement | Procedure | CPT-4 |
| 0SR9019 | Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR901A | Replacement of Right Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR901Z | Replacement of Right Hip Joint with Metal Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR9029 | Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR902A | Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR902Z | Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR9039 | Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| 0SR903A | Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR903Z | Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR9049 | Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR904A | Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR904Z | Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR9069 | Replacement of Right Hip Joint with Oxidized Zirconium on Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR906A | Replacement of Right Hip Joint with Oxidized Zirconium on Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR906Z | Replacement of Right Hip Joint with Oxidized Zirconium on Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR907Z | Replacement of Right Hip Joint with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR90J9 | Replacement of Right Hip Joint with Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR90JA | Replacement of Right Hip Joint with Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SR90JZ | Replacement of Right Hip Joint with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SR90KZ | Replacement of Right Hip Joint with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SRA009 | Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SRA00A | Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SRA00Z | Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SRA019 | Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| 0SRA01A | Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SRA01Z | Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SRA039 | Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OSRA03A | Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRA03Z | Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRA07Z | Replacement of Right Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRA0J9 | Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRA0JA | Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRA0JZ | Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRA0KZ | Replacement of Right Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB019 | Replacement of Left Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB01A | Replacement of Left Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB01Z | Replacement of Left Hip Joint with Metal Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB029 | Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB02A | Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB02Z | Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB039 | Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB03A | Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB03Z | Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB049 | Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB04A | Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB04Z | Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB069 | Replacement of Left Hip Joint with Oxidized Zirconium on Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| OSRB06A | Replacement of Left Hip Joint with Oxidized Zirconium on Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB06Z | Replacement of Left Hip Joint with Oxidized Zirconium on Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB07Z | Replacement of Left Hip Joint with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB0J9 | Replacement of Left Hip Joint with Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB0JA | Replacement of Left Hip Joint with Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRB0JZ | Replacement of Left Hip Joint with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRB0KZ | Replacement of Left Hip Joint with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRE009 | Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE00A | Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE00Z | Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRE019 | Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE01A | Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE01Z | Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRE039 | Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE03A | Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE03Z | Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRE07Z | Replacement of Left Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRE0J9 | Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE0JA | Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRE0JZ | Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|--|----------------------|------------------|
| OSREOKZ | Replacement of Left Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRR019 | Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRR01A | Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRR01Z | Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRR039 | Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRR03A | Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRR03Z | Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRR07Z | Replacement of Right Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRR0J9 | Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRR0JA | Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRR0JZ | Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRR0KZ | Replacement of Right Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRS019 | Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRS01A | Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRS01Z | Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRS039 | Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |
| OSRS03A | Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| OSRS03Z | Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRS07Z | Replacement of Left Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| OSRS0J9 | Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-----------------------------------|---|----------------------|------------------|
| 0SRS0JA | Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach | Procedure | ICD-10-PCS |
| 0SRS0JZ | Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| 0SRS0KZ | Replacement of Left Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| 27125 | Hemiarthroplasty, hip, partial (eg, femoral stem prosthesis, bipolar arthroplasty) | Procedure | CPT-4 |
| 27130 | Arthroplasty, acetabular and proximal femoral prosthetic replacement (total hip arthroplasty), with or without autograft or allograft | Procedure | CPT-4 |
| 27236 | Open treatment of femoral fracture, proximal end, neck, internal fixation or prosthetic replacement | Procedure | CPT-4 |
| Secondary: TMJ Replacement | | | |
| 76.5 | Temporomandibular arthroplasty | Procedure | ICD-9-CM |
| 21240 | Arthroplasty, temporomandibular joint, with or without autograft (includes obtaining graft) | Procedure | CPT-4 |
| 21242 | Arthroplasty, temporomandibular joint, with allograft | Procedure | CPT-4 |
| 21243 | Arthroplasty, temporomandibular joint, with prosthetic joint replacement | Procedure | CPT-4 |
| 0RQC0ZZ | Repair Right Temporomandibular Joint, Open Approach | Procedure | ICD-10-PCS |
| 0RQC3ZZ | Repair Right Temporomandibular Joint, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0RQC4ZZ | Repair Right Temporomandibular Joint, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 0RQD0ZZ | Repair Left Temporomandibular Joint, Open Approach | Procedure | ICD-10-PCS |
| 0RQD3ZZ | Repair Left Temporomandibular Joint, Percutaneous Approach | Procedure | ICD-10-PCS |
| 0RQD4ZZ | Repair Left Temporomandibular Joint, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORRC07Z | Replacement of Right Temporomandibular Joint with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORRC0JZ | Replacement of Right Temporomandibular Joint with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORRC0KZ | Replacement of Right Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORRD07Z | Replacement of Left Temporomandibular Joint with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORRD0JZ | Replacement of Left Temporomandibular Joint with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORRD0KZ | Replacement of Left Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORUC07Z | Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORUC0JZ | Supplement Right Temporomandibular Joint with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |

Appendix H. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes Used to Define Outcomes in this Request

| Code | Description | Code Category | Code Type |
|-------------|---|----------------------|------------------|
| ORUC0KZ | Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORUC37Z | Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORUC3JZ | Supplement Right Temporomandibular Joint with Synthetic Substitute, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORUC3KZ | Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORUC47Z | Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORUC4JZ | Supplement Right Temporomandibular Joint with Synthetic Substitute, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORUC4KZ | Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORUD07Z | Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORUD0JZ | Supplement Left Temporomandibular Joint with Synthetic Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORUD0KZ | Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach | Procedure | ICD-10-PCS |
| ORUD37Z | Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORUD3JZ | Supplement Left Temporomandibular Joint with Synthetic Substitute, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORUD3KZ | Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Approach | Procedure | ICD-10-PCS |
| ORUD47Z | Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORUD4JZ | Supplement Left Temporomandibular Joint with Synthetic Substitute, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| ORUD4KZ | Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach | Procedure | ICD-10-PCS |
| 21240 | Arthroplasty, temporomandibular joint, with or without autograft (includes obtaining graft) | Procedure | CPT-4 |
| 21242 | Arthroplasty, temporomandibular joint, with allograft | Procedure | CPT-4 |
| 21243 | Arthroplasty, temporomandibular joint, with prosthetic joint replacement | Procedure | CPT-4 |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|---------------------------------------|---------------------------------------|---------------|-----------|
| Drugs that Affect Bone Density | | | |
| Anticoagulants | | | |
| C9107 | INJ TINZAPARIN NAIUM PER 2ML VIAL | Procedure | HCPCS |
| J0884 | INJ ARGATROBN 1 MG ESRD ON DIALYSIS | Procedure | HCPCS |
| J0883 | INJ ARGATROBAN 1 MG NON-ESRD USE | Procedure | HCPCS |
| C9121 | INJECTION ARGATROBAN PER 5 MG | Procedure | HCPCS |
| J0583 | INJECTION BIVALIRUDIN 1 MG | Procedure | HCPCS |
| C9111 | INJECTION BIVALIRUDIN 250 MG-VIAL | Procedure | HCPCS |
| J1645 | INJ DALTEPARIN SODIUM PER 2500 IU | Procedure | HCPCS |
| J1650 | INJECTION ENOXAPARIN SODIUM 10 MG | Procedure | HCPCS |
| J1652 | INJ FONDAPARINUX SODIUM 0.5 MG | Procedure | HCPCS |
| J1642 | INJECTION HEPARIN SODIUM 10 UNITS | Procedure | HCPCS |
| J1644 | INJ HEPARIN SODIUM PER 1000 UNITS | Procedure | HCPCS |
| J1945 | INJECTION LEPIRUDIN 50 MG | Procedure | HCPCS |
| Q2021 | INJECTION LEPIRUDIN 50 MG | Procedure | HCPCS |
| J1655 | INJECTION TINZAPARIN SODIUM 1000 IU | Procedure | HCPCS |
| G8967 | WARFARIN/ANR FDA APRV ORAL AC PRESC | Procedure | HCPCS |
| Bisphosphonates | | | |
| J1436 | INJ ETIDRONATE DISODIUM PER 300 MG | Procedure | HCPCS |
| J1740 | INJECTION IBANDRONATE SODIUM 1 MG | Procedure | HCPCS |
| C9229 | INJ BANDRONATE SODIUM PER 1 MG | Procedure | HCPCS |
| J2430 | INJ PAMIDRONATE DISODIUM PER 30 MG | Procedure | HCPCS |
| C9411 | INJ PAMIDRONATE DISODUM 30 MG BRAND | Procedure | HCPCS |
| J3489 | INJECTION ZOLEDRONIC ACID 1 MG | Procedure | HCPCS |
| Q2051 | INJECTION ZOLEDRONIC ACID NOS 1 MG | Procedure | HCPCS |
| C9115 | INJECTION ZOLEDRONIC ACID PER 2 MG | Procedure | HCPCS |
| Q4095 | INJ ZOLEDRONIC ACID RECLAST 1 MG | Procedure | HCPCS |
| J3488 | INJ ZOLEDRONICCID RECLAST 1 MG | Procedure | HCPCS |
| J3487 | INJECTION ZOLEDRONICCID ZOMETETA 1 MG | Procedure | HCPCS |
| Anti-Epileptic Drugs | | | |
| Q2009 | INJ FOSPHENYTOIN 50 MG PHENYTOIN EQ | Procedure | HCPCS |
| J3360 | INJECTION DIAZEPAM UP TO 5 MG | Procedure | HCPCS |
| S0078 | INJ FOSPHENYTOIN SODIUM 750 MG | Procedure | HCPCS |
| C9254 | INJECTION LACOSAMIDE 1 MG | Procedure | HCPCS |
| C9238 | INJECTION LEVETIRACETAM 10 MG | Procedure | HCPCS |
| J1953 | INJECTION LEVETIRACETAM 10 MG | Procedure | HCPCS |
| J2560 | INJ PHENOBARBITAL SODIUM TO 120 MG | Procedure | HCPCS |
| J1165 | INJ PHENYTOIN SODIUM PER 50 MG | Procedure | HCPCS |
| Corticosteroids | | | |
| J7624 | BETAMETHASONE INHAL CP UNIT PER MG | Procedure | HCPCS |
| J7634 | BUDESONIDE INHAL CP DME 0.25 MG | Procedure | HCPCS |
| J7627 | BUDESONIDE INHAL CP UNIT TO 0.5 MG | Procedure | HCPCS |
| J7633 | BUDESONIDE INHAL NON-CP CNC 0.25 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|---------------------|-------------------------------------|----------------------|------------------|
| J7626 | BUDESONIDE INHAL NON-CP U TO 0.5 MG | Procedure | HCPCS |
| K0512 | DEX INHAL SOL ADMIN THRU DME CONCEN | Procedure | HCPCS |
| K0513 | DEX INHAL SOL ADMIN THRU DME U DOSE | Procedure | HCPCS |
| J7637 | DEXAMETHASONE INHAL CP CONC PER MG | Procedure | HCPCS |
| J7638 | DEXAMETHASONE INHAL CP UNIT PER MG | Procedure | HCPCS |
| J8540 | DEXAMETHASONE ORAL 0.25 MG | Procedure | HCPCS |
| S0173 | DEXAMETHASONE ORAL 4 MG | Procedure | HCPCS |
| J7641 | FLUNISOLIDE INHAL COMP UNIT PER MG | Procedure | HCPCS |
| J0702 | INJ BETAMETHASONE AC & PHOS 3 MG | Procedure | HCPCS |
| C9256 | INJ DEXAMETH INTRAVITRL IMPL 0.1 MG | Procedure | HCPCS |
| J1710 | INJ HYDROCORTISON SOD PHOS TO 50 MG | Procedure | HCPCS |
| J1720 | INJ HYDROCORTSON SOD SUCC TO 100 MG | Procedure | HCPCS |
| J2930 | INJ METHYLPRDNISLN SODIM TO 125 MG | Procedure | HCPCS |
| J2920 | INJ METHYLPRDNISOLON SODIM TO 40 MG | Procedure | HCPCS |
| J2640 | INJ PREDNISOLONE SODIUM PHOSPHATE T | Procedure | HCPCS |
| C9469 | INJ TAA PF EXT-REL MS F 1 MG | Procedure | HCPCS |
| J3300 | INJ TRIAMCINOLONE ACETONIDE PF 1 MG | Procedure | HCPCS |
| J0704 | INJ BETAMETHSONE SODIM PHOSHAT-4 MG | Procedure | HCPCS |
| J1094 | INJECTION DEXAMETHASONE ACTAT 1 MG | Procedure | HCPCS |
| J7312 | INJ DEXAMETH INTRAVIT IMPL 0.1 MG | Procedure | HCPCS |
| J1100 | INJ DEXMETHOSON SODIM PHOSHATE 1 MG | Procedure | HCPCS |
| J1700 | INJ HYDROCORTISONE ACTAT TO 25 MG | Procedure | HCPCS |
| J1020 | INJ METHYLPRDNISOLONE ACTAT 20 MG | Procedure | HCPCS |
| J1030 | INJ METHYLPRDNISOLONE ACTAT 40 MG | Procedure | HCPCS |
| J1040 | INJ METHYLPRDNISOLONE ACTAT 80 MG | Procedure | HCPCS |
| J2650 | INJ PREDNISOLONE ACETATE TO 1 ML | Procedure | HCPCS |
| J3301 | INJ TRIAMCINOLON ACETONID NOS 10 MG | Procedure | HCPCS |
| J3302 | INJ TRIAMCINOLONE DIACTAT 5 MG | Procedure | HCPCS |
| J3303 | INJ TRIAMCINOLONE HEXACETONIDE 5 MG | Procedure | HCPCS |
| J1095 | INJECTION, DEXAMETHASONE ACETATE, P | Procedure | HCPCS |
| J1690 | INJ PREDNISOLONE TEBUTATE TO 20 MG | Procedure | HCPCS |
| J7509 | METHYLPREDNISOLONE ORAL PER 4 MG | Procedure | HCPCS |
| S1090 | MOMETASONE FUROATE SS IMPL 370 MCG | Procedure | HCPCS |
| 4193F | PT RCV <10MG DAILY PREDNISO | Procedure | CPT-2 |
| 4194F | PT RCV =>10MG DAILY PREDNISO | Procedure | CPT-2 |
| J7510 | PREDNISOLONE ORAL PER 5 MG | Procedure | HCPCS |
| J7512 | PDN IMMED RLSE/DELAY RLSE ORAL 1 MG | Procedure | HCPCS |
| J7506 | PREDNISONE ORAL PER 5 MG | Procedure | HCPCS |
| J7683 | TRIAMCINOLONE INHAL CP CONC PER MG | Procedure | HCPCS |
| J7684 | TRIAMCINOLONE INHAL CP UNIT PER MG | Procedure | HCPCS |
| K0527 | TRIAMCINOLONE INHAL SOL ADMIN THRU | Procedure | HCPCS |
| K0528 | TRIAMCINOLONE INHAL SOL VIA DME U D | Procedure | HCPCS |
| Chemotherapy | | | |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| S0170 | ANASTROZOLE ORAL 1 MG | Procedure | HCPCS |
| S0116 | BEVACIZUMAB 100 MG | Procedure | HCPCS |
| C9417 | BLEOMYCIN SULFATE 15 UNITS BRAND | Procedure | HCPCS |
| S0115 | BORTEZOMIB 3.5 MG | Procedure | HCPCS |
| J8510 | BUSULFAN ORAL 2 MG | Procedure | HCPCS |
| J8520 | CAPECITABINE ORAL 150 MG | Procedure | HCPCS |
| J8521 | CAPECITABINE ORAL 500 MG | Procedure | HCPCS |
| C9437 | CARMUSTINE BRAND NAME 100 MG | Procedure | HCPCS |
| S0172 | CHLORAMBUCIL ORAL 2 MG | Procedure | HCPCS |
| J9062 | CISPLATIN 50 MG | Procedure | HCPCS |
| C9418 | CISPLATIN POWDR/SOL PER 10 MG BRAND | Procedure | HCPCS |
| J7632 | CROMOLYN NA I SOL CP PROD UD 10 MG | Procedure | HCPCS |
| K0511 | CROMOLYN SODIUM INHAL SOL VIA DME U | Procedure | HCPCS |
| J7631 | CROMOLYN NA I SOL NONCP UD P 10 MG | Procedure | HCPCS |
| J7630 | CROMOLYN SODIUM PER 20MG | Procedure | HCPCS |
| J9091 | CYCLOPHOSPHAMIDE 1 G | Procedure | HCPCS |
| J9070 | CYCLOPHOSPHAMIDE 100 MG | Procedure | HCPCS |
| C9420 | CYCLOPHOSPHAMIDE 100 MG BRAND NAME | Procedure | HCPCS |
| J9092 | CYCLOPHOSPHAMIDE 2 G | Procedure | HCPCS |
| J9080 | CYCLOPHOSPHAMIDE 200 MG | Procedure | HCPCS |
| J9090 | CYCLOPHOSPHAMIDE 500 MG | Procedure | HCPCS |
| J9096 | CYCLOPHOSPHAMIDE LYOPHILIZED 1 G | Procedure | HCPCS |
| J9093 | CYCLOPHOSPHAMIDE LYOPHILIZED 100 MG | Procedure | HCPCS |
| C9421 | CYCLOPHOSPHAMIDE LYO 100 MG BRAND | Procedure | HCPCS |
| J9097 | CYCLOPHOSPHAMIDE LYOPHILIZED 2 G | Procedure | HCPCS |
| J9094 | CYCLOPHOSPHAMIDE LYOPHILIZED 200 MG | Procedure | HCPCS |
| J9095 | CYCLOPHOSPHAMIDE LYOPHILIZED 500 MG | Procedure | HCPCS |
| J8530 | CYCLOPHOSHAMIDE ORAL 25 MG | Procedure | HCPCS |
| C9422 | CYTARABINE 100 MG BRAND NAME | Procedure | HCPCS |
| J9130 | DACARBAZINE 100 MG | Procedure | HCPCS |
| C9423 | DACARBAZINE 100 MG BRAND NAME | Procedure | HCPCS |
| J9140 | DACARBAZINE 200 MG | Procedure | HCPCS |
| C1084 | DENILEUKIN DIFTITOX 300 MCG ONTAK I | Procedure | HCPCS |
| C9439 | DES-DP BRAND NAME 250 MG | Procedure | HCPCS |
| C9415 | DOXORUBICIN HCL 10 MG BRAND NAME | Procedure | HCPCS |
| J9180 | EPIRUBICIN HYDROCHLORIDE 50 MG | Procedure | HCPCS |
| C9425 | ETOPOSIDE 10 MG BRAND NAME | Procedure | HCPCS |
| J9182 | ETOPOSIDE 100 MG | Procedure | HCPCS |
| J8560 | ETOPOSIDE ORAL 50 MG | Procedure | HCPCS |
| C9414 | ETOPOSIDE ORAL 50 MG BRAND NAME | Procedure | HCPCS |
| J7527 | EVEROLIMUS ORAL 0. 25 MG | Procedure | HCPCS |
| J8561 | EVEROLIMUS ORAL 0.25 MG | Procedure | HCPCS |
| S0156 | EXEMESTANE 25 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9426 | FLOXURIDINE 500 MG BRAND NAME | Procedure | HCPCS |
| C9262 | FLUDARABINE PHOSPHATE ORAL 1 MG | Procedure | HCPCS |
| Q2025 | FLUDARABINE PHOSPHATE ORAL 1 MG | Procedure | HCPCS |
| J8562 | FLUDARABINE PHOSPHATE ORAL 10 MG | Procedure | HCPCS |
| S0175 | FLUTAMIDE ORAL 125 MG | Procedure | HCPCS |
| J8565 | GEFITINIB ORAL 250 MG | Procedure | HCPCS |
| S0176 | HYDROXYUREA ORAL 500 MG | Procedure | HCPCS |
| C9429 | IDARUBICIN HCL 5 MG BRAND NAME | Procedure | HCPCS |
| C9427 | IFISFANUDE 1 GM BRAND NAME | Procedure | HCPCS |
| C9216 | INJ ABARELIX INJ SUSP PER 10 MG | Procedure | HCPCS |
| J9354 | INJ ADO-TRASTUZUMAB EMTANSINE 1 MG | Procedure | HCPCS |
| C9110 | INJ ALEMTUZUMAB, PER 10 MG/ ML | Procedure | HCPCS |
| C9289 | INJ ASPARAGINASE ECH 1000 IU | Procedure | HCPCS |
| J9151 | INJ DAUNORUBICIN CITRATE LIP 10 MG | Procedure | HCPCS |
| J9001 | INJ DOXORUBICIN HCL LIPID 10 MG | Procedure | HCPCS |
| C9004 | INJ GEMTUZUMAB OZOGAMICIN PER 5 MG | Procedure | HCPCS |
| J1055 | INJ MDRXYPRGESTRON CNTRACPT 150 MG | Procedure | HCPCS |
| J1056 | INJ MDRXYPRGESTRON/ESTRDIOL 5/25MG | Procedure | HCPCS |
| C9127 | INJ PACLITAXEL PROTEIN BOUND 1 MG | Procedure | HCPCS |
| C9235 | INJ PANITUMUMAB 10 MG | Procedure | HCPCS |
| J9325 | INJ T-VEC PER 1 M PLAQUE FORM UNITS | Procedure | HCPCS |
| J0128 | INJECTION ABARELIX 10 MG | Procedure | HCPCS |
| S0165 | INJECTION ABARELIX 100 MG | Procedure | HCPCS |
| C9131 | INJ ADO-TRASTUZUMAB EMTANSINE 1 MG | Procedure | HCPCS |
| J9015 | INJ ALDESLEUKIN PER SINGLE USE VIAL | Procedure | HCPCS |
| J0202 | INJECTION ALEMTUZUMAB 1 MG | Procedure | HCPCS |
| Q9979 | INJECTION ALEMTUZUMAB 1 MG | Procedure | HCPCS |
| J9010 | INJECTION ALEMTUZUMAB 10 MG | Procedure | HCPCS |
| S0087 | INJECTION ALEMTUZUMAB 30 MG | Procedure | HCPCS |
| J9017 | INJECTION ARSENIC TRIOXIDE 1 MG | Procedure | HCPCS |
| C9012 | INJECTION ARSENIC TRIOXIDE-1 MG/KG | Procedure | HCPCS |
| J9020 | INJECTION ASPARAGINASE 10000 UNITS | Procedure | HCPCS |
| J9019 | INJ ASPARAGINASE ERWINAZE 1000 IU | Procedure | HCPCS |
| C9483 | INJECTION ATEZOLIZUMAB 10 MG | Procedure | HCPCS |
| J9022 | INJECTION ATEZOLIZUMAB 10 MG | Procedure | HCPCS |
| C9491 | INJECTION AVELUMAB 10 MG | Procedure | HCPCS |
| J9023 | INJECTION AVELUMAB 10 MG | Procedure | HCPCS |
| J9025 | INJECTION AZACITIDINE 1 MG | Procedure | HCPCS |
| S0168 | INJECTION AZACITIDINE 100 MG | Procedure | HCPCS |
| C9218 | INJECTION AZACITIDINE PER 1 MG | Procedure | HCPCS |
| C9442 | INJECTION BELINOSTAT 10 MG | Procedure | HCPCS |
| J9032 | INJECTION BELINOSTAT 10 MG | Procedure | HCPCS |
| C9243 | INJECTION BENDAMUSTINE HCL 1 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| J9034 | INJ BENDAMUSTINE HCL BENDEKA 1 MG | Procedure | HCPCS |
| J9033 | INJ BENDAMUSTINE HCL TREANDA 1 MG | Procedure | HCPCS |
| C9257 | INJECTION BEVACIZUMAB 0.25 MG | Procedure | HCPCS |
| Q2024 | INJECTION BEVACIZUMAB 0.25 MG | Procedure | HCPCS |
| J9035 | INJECTION BEVACIZUMAB 10 MG | Procedure | HCPCS |
| C9214 | INJECTION BEVACIZUMAB PER 10 MG | Procedure | HCPCS |
| J9040 | INJECTION BLEOMYCIN SULFATE 15 UNIT | Procedure | HCPCS |
| C9449 | INJECTION BLINATUMOMAB 1 MCG | Procedure | HCPCS |
| J9039 | INJECTION BLINATUMOMAB 1 MICROGRAM | Procedure | HCPCS |
| J9041 | INJECTION BORTEZOMIB 0.1 MG | Procedure | HCPCS |
| C9207 | INJECTION BORTEZOMIB PER 3.5 MG | Procedure | HCPCS |
| C9287 | INJECTION BRENTUXIMAB VEDOTIN 1 MG | Procedure | HCPCS |
| J9042 | INJECTION BRENTUXIMAB VEDOTIN 1 MG | Procedure | HCPCS |
| J0594 | INJECTION BUSULFAN 1 MG | Procedure | HCPCS |
| C1178 | INJECTION BUSULFAN PER 6 MG | Procedure | HCPCS |
| C9276 | INJECTION CABAZITAXEL 1 MG | Procedure | HCPCS |
| J9043 | INJECTION CABAZITAXEL 1 MG | Procedure | HCPCS |
| J9045 | INJECTION CARBOPLATIN 50 MG | Procedure | HCPCS |
| C9295 | INJECTION CARFILZOMIB 1 MG | Procedure | HCPCS |
| J9047 | INJECTION CARFILZOMIB 1 MG | Procedure | HCPCS |
| J9050 | INJECTION CARMUSTINE 100 MG | Procedure | HCPCS |
| J9055 | INJECTION CETUXIMAB 10 MG | Procedure | HCPCS |
| C9215 | INJECTION CETUXIMAB PER 10 MG | Procedure | HCPCS |
| J9060 | INJ CISPLATIN POWDER/SOLUTION 10 MG | Procedure | HCPCS |
| J9065 | INJECTION CLADRIBINE PER 1 MG | Procedure | HCPCS |
| C9419 | INJECTION CLADRIBINE PER 1 MG BRAND | Procedure | HCPCS |
| J9027 | INJECTION CLOFARABINE 1 MG | Procedure | HCPCS |
| C9129 | INJECTION CLOFARABINE PER 1 MG | Procedure | HCPCS |
| J9100 | INJECTION CYTARABINE 100 MG | Procedure | HCPCS |
| J9110 | INJECTION CYTARABINE 500 MG | Procedure | HCPCS |
| J9098 | INJECTION CYTARABINE LIPOSOME 10 MG | Procedure | HCPCS |
| C1166 | INJECTION CYTRABIN LIPOSOME-10 MG | Procedure | HCPCS |
| J9120 | INJECTION DACTINOMYCIN 0.5 MG | Procedure | HCPCS |
| C9476 | INJECTION DARATUMUMAB 10 MG | Procedure | HCPCS |
| J9145 | INJECTION DARATUMUMAB 10 MG | Procedure | HCPCS |
| J0894 | INJECTION DECITABINE 1 MG | Procedure | HCPCS |
| C9231 | INJECTION DECITABINE PER 1 MG | Procedure | HCPCS |
| J9160 | INJ DENILEUKIN DIFTITOX 300 MCG | Procedure | HCPCS |
| J9165 | INJ DIETHYLSTILBESTROL 250 MG | Procedure | HCPCS |
| J9171 | INJECTION DOCETAXEL 1 MG | Procedure | HCPCS |
| J9170 | INJECTION DOCETAXEL 20 MG | Procedure | HCPCS |
| J9000 | INJECTION DOXORUBICIN HCL 10 MG | Procedure | HCPCS |
| C9492 | INJECTION DURVALUMAB 10 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| C9477 | INJECTION ELOTUZUMAB 1 MG | Procedure | HCPCS |
| J9176 | INJECTION ELOTUZUMAB 1 MG | Procedure | HCPCS |
| J9178 | INJECTION EPIRUBICIN HCL 2 MG | Procedure | HCPCS |
| C1167 | INJ EPIRUBICIN HYDROCHLORID 2 MG | Procedure | HCPCS |
| J9179 | INJECTION ERIBULIN MESYLATE 0.1 MG | Procedure | HCPCS |
| C9280 | INJECTION ERIBULIN MESYLATE 1 MG | Procedure | HCPCS |
| J9181 | INJECTION ETOPOSIDE 10 MG | Procedure | HCPCS |
| J9200 | INJECTION FLOXURIDINE 500 MG | Procedure | HCPCS |
| J9185 | INJ FLUDARABINE PHOSPHATE 50 MG | Procedure | HCPCS |
| J9190 | INJECTION FLUOROURACIL 500 MG | Procedure | HCPCS |
| J9395 | INJECTION FULVESTRANT 25 MG | Procedure | HCPCS |
| C9120 | INJECTION FULVESTRANT PER 50 MG | Procedure | HCPCS |
| J9201 | INJECTION GEMCITABINE HCL 200 MG | Procedure | HCPCS |
| J9203 | INJ GEMTUZUMAB OZOGAMICIN 0.1 MG | Procedure | HCPCS |
| J9300 | INJ GEMTUZUMAB OZOGAMICIN 5 MG | Procedure | HCPCS |
| Q2020 | INJECTION HISTRELIN ACETATE 10 MCG | Procedure | HCPCS |
| J1675 | INJ HISTRELIN ACTAT 10 MICROGMS | Procedure | HCPCS |
| J9211 | INJECTION IDARUBICIN HCL 5 MG | Procedure | HCPCS |
| J9208 | INJECTION IFOSFAMIDE 1 G | Procedure | HCPCS |
| C9028 | INJ INOTUZUMAB OZOGAMICIN 0.1 MG | Procedure | HCPCS |
| J9213 | INJ INTERFERON ALFA-2A RECOM 3 M U | Procedure | HCPCS |
| J9214 | INJ INTERFERON ALFA-2B RECOMB 1 M U | Procedure | HCPCS |
| C9284 | INJECTION IPILIMUMAB 1 MG | Procedure | HCPCS |
| J9228 | INJECTION IPILIMUMAB 1 MG | Procedure | HCPCS |
| C9240 | INJECTION IXABEPILONE 1 MG | Procedure | HCPCS |
| J9207 | INJECTION IXABEPILONE 1 MG | Procedure | HCPCS |
| C9024 | INJ LIP 1 MG DNR & 2.27 MG CY | Procedure | HCPCS |
| J9230 | INJECTION MECHLORETHAMINE HCL 10 MG | Procedure | HCPCS |
| J1050 | INJ MEDROXYPROGESTERNE ACETATE 1 MG | Procedure | HCPCS |
| J1051 | INJ MDRXYPRGESTRON ACTAT 50 MG | Procedure | HCPCS |
| J9245 | INJECTION MELPHALAN HCL 50 MG | Procedure | HCPCS |
| J9280 | INJECTION MITOMYCIN 5 MG | Procedure | HCPCS |
| J9293 | INJECTION MITOXANTRONE HCL PER 5 MG | Procedure | HCPCS |
| C9475 | INJECTION NECITUMUMAB 1 MG | Procedure | HCPCS |
| J9295 | INJECTION NECITUMUMAB 1 MG | Procedure | HCPCS |
| J9261 | INJECTION NELARABINE 50 MG | Procedure | HCPCS |
| C9453 | INJECTION NIVOLUMAB 1 MG | Procedure | HCPCS |
| J9299 | INJECTION NIVOLUMAB 1 MG | Procedure | HCPCS |
| C9021 | INJECTION OBINUTUZUMAB 10 MG | Procedure | HCPCS |
| J9301 | INJECTION OBINUTUZUMAB 10 MG | Procedure | HCPCS |
| C9260 | INJECTION OFATUMUMAB 10 MG | Procedure | HCPCS |
| J9302 | INJECTION OFATUMUMAB 10 MG | Procedure | HCPCS |
| C9485 | INJECTION OLARATUMAB 10 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|-------------|-------------------------------------|----------------------|------------------|
| J9285 | INJECTION OLARATUMAB 10 MG | Procedure | HCPCS |
| J9262 | INJ OMACETAXINE MEPESUCCINAT .01 MG | Procedure | HCPCS |
| C9297 | INJ OMACETAZN MEPESUCCINATE 0.01 MG | Procedure | HCPCS |
| J9263 | INJECTION OXALIPLATIN 0.5 MG | Procedure | HCPCS |
| J9267 | INJECTION PACLITAXEL 1 MG | Procedure | HCPCS |
| J9265 | INJECTION PACLITAXEL 30 MG | Procedure | HCPCS |
| J9264 | INJ PACLITAXEL PROTBND PARTICL 1 MG | Procedure | HCPCS |
| J9303 | INJECTION PANITUMUMAB 10 MG | Procedure | HCPCS |
| J9266 | INJ PEGASPARGASE SINGLE DOSE VIAL | Procedure | HCPCS |
| C9027 | INJECTION PEMBROLIZUMAB 1 MG | Procedure | HCPCS |
| J9271 | INJECTION PEMBROLIZUMAB 1 MG | Procedure | HCPCS |
| J9268 | INJECTION PENTOSTATIN 10 MG | Procedure | HCPCS |
| J9306 | INJECTION PERTUZUMAB 1 MG | Procedure | HCPCS |
| C9292 | INJECTION PERTUZUMAB 10 MG | Procedure | HCPCS |
| J9270 | INJECTION PLICAMYCIN 2.5 MG | Procedure | HCPCS |
| J9600 | INJECTION PORFIMER SODIUM 75 MG | Procedure | HCPCS |
| C9259 | INJECTION PRALATREXATE 1 MG | Procedure | HCPCS |
| J9307 | INJECTION PRALATREXATE 1 MG | Procedure | HCPCS |
| C9025 | INJECTION RAMUCIRUMAB 5 MG | Procedure | HCPCS |
| J9308 | INJECTION RAMUCIRUMAB 5 MG | Procedure | HCPCS |
| J9310 | INJECTION RITUXIMAB 100 MG | Procedure | HCPCS |
| C9467 | INJ RITUXIMAB & HYALURONIDASE 10 MG | Procedure | HCPCS |
| C9265 | INJECTION ROMIDEPSIN 1 MG | Procedure | HCPCS |
| J9315 | INJECTION ROMIDEPSIN 1 MG | Procedure | HCPCS |
| C9455 | INJECTION SILTUXIMAB 10 MG | Procedure | HCPCS |
| J2860 | INJECTION SILTUXIMAB 10 MG | Procedure | HCPCS |
| J9320 | INJECTION STREPTOZOCIN 1 G | Procedure | HCPCS |
| C9472 | INJ TALIMOGEN LAHERPAREPVEC 1 M PFU | Procedure | HCPCS |
| J9328 | INJECTION TEMOZOLOMIDE 1 MG | Procedure | HCPCS |
| C9253 | INJECTION TEMOZOLOMIDE 1MG | Procedure | HCPCS |
| C9239 | INJECTION TEMSIROLIMUS 1 MG | Procedure | HCPCS |
| J9330 | INJECTION TEMSIROLIMUS 1 MG | Procedure | HCPCS |
| Q2017 | INJECTION TENIPOSIDE 50 MG | Procedure | HCPCS |
| J9340 | INJECTION THIOTEPA 15 MG | Procedure | HCPCS |
| C9480 | INJECTION TRABECTEDIN 0.1 MG | Procedure | HCPCS |
| J9352 | INJECTION TRABECTEDIN 0.1 MG | Procedure | HCPCS |
| J9355 | INJECTION TRASTUZUMAB 10 MG | Procedure | HCPCS |
| J3315 | INJ TRIPTORELIN PAMOATE 3.75 MG | Procedure | HCPCS |
| J9357 | INJ VALRUBICIN INTRAVESICAL 200 MG | Procedure | HCPCS |
| J9360 | INJECTION VINBLASTINE SULFATE 1 MG | Procedure | HCPCS |
| J9371 | INJ VINCRISTINE SULF LIPOSOME 1 MG | Procedure | HCPCS |
| J9390 | INJ VINOURELBINE TARTRATE 10 MG | Procedure | HCPCS |
| C9296 | INJECTION ZIV-AFLIBERCEPT 1 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|----------------------------|-------------------------------------|----------------------|------------------|
| J9400 | INJECTION ZIV-AFLIBERCEPT 1 MG | Procedure | HCPCS |
| J9219 | LEUPROLIDE ACETATE IMPLANT 65 MG | Procedure | HCPCS |
| S0177 | LEVAMISOLE HYDROCHLORIDE ORAL 50 MG | Procedure | HCPCS |
| S0178 | LOMUSTINE ORAL 10 MG | Procedure | HCPCS |
| C9017 | LOMUSTINE, 10 MG | Procedure | HCPCS |
| S0179 | MEGESTROL ACETATE ORAL 20 MG | Procedure | HCPCS |
| J8600 | MELPHALAN ORAL 2 MG | Procedure | HCPCS |
| S0108 | MERCAPTOPYRINE ORAL 50 MG | Procedure | HCPCS |
| J8610 | METHOTREXATE ORAL 2.5 MG | Procedure | HCPCS |
| J9250 | METHOTREXATE SODIUM 5 MG | Procedure | HCPCS |
| J9260 | METHOTREXATE SODIUM 50 MG | Procedure | HCPCS |
| J9290 | MITOMYCIN 20 MG | Procedure | HCPCS |
| J9291 | MITOMYCIN 40 MG | Procedure | HCPCS |
| C9432 | MITOMYCIN 5 MG BRAND NAME | Procedure | HCPCS |
| J7315 | MITOMYCIN OPHTHALMIC 0. 2 MG | Procedure | HCPCS |
| S1016 | NON-PVC IV ADMN SET RX NOT STABLE | Procedure | HCPCS |
| C9205 | OXALIPLATIN INJ OXALIPLATIN-5 MG | Procedure | HCPCS |
| C9431 | PACLITAXEL 30 MG BRAND NAME | Procedure | HCPCS |
| S0182 | PROCARBAZINE HYDROCHLORD ORAL 50 MG | Procedure | HCPCS |
| A9604 | SM-153 LEXIDRONAM TX TO 150 MCI | Procedure | HCPCS |
| A9605 | SAMARIUM SM-153 LEXIDRONM TX 50 MCI | Procedure | HCPCS |
| C9401 | SPL RP STRONTIUM-89 CL BRAND-MCI | Procedure | HCPCS |
| S0187 | TAMOXIFEN CITRATE ORAL 10 MG | Procedure | HCPCS |
| C1086 | TEMOZOLOMIDE 5 MG TEMODAR | Procedure | HCPCS |
| J8700 | TEMOZOLOMIDE ORAL 5 MG | Procedure | HCPCS |
| C9433 | THIOTEPA 15 MG BRAND NAME | Procedure | HCPCS |
| J9370 | VINCRIStINE SULFATE 1 MG | Procedure | HCPCS |
| J9375 | VINCRIStINE SULFATE 2 MG | Procedure | HCPCS |
| J9380 | VINCRIStINE SULFATE 5 MG | Procedure | HCPCS |
| C9440 | VINORELBINE TARTRATE BRAND 10 MG | Procedure | HCPCS |
| Cyclosporine | | | |
| J7502 | CYCLOSPORINE ORAL 100 MG | Procedure | HCPCS |
| C9438 | CYCLOSPORINE ORAL 100 MG BRAND NAME | Procedure | HCPCS |
| J7515 | CYCLOSPORINE ORAL 25 MG | Procedure | HCPCS |
| J7516 | CYCLOSPORINE PARENTERAL 250 MG | Procedure | HCPCS |
| K0122 | CYCLOSPORINE, PARENTERAL, 250 MG | Procedure | HCPCS |
| Medroxyprogesterone | | | |
| J1055 | INJ MDRXYPRGESTRON CNTRACPT 150 MG | Procedure | HCPCS |
| J1056 | INJ MDRXYPRGESTRON/ESTRDIOL 5/25MG | Procedure | HCPCS |
| J1050 | INJ MEDROXYPROGESTERNE ACETATE 1 MG | Procedure | HCPCS |
| J1051 | INJ MDRXYPRGESTRON ACTAT 50 MG | Procedure | HCPCS |
| Loop Diuretics | | | |
| S0171 | INJECTION BUMETANIDE 0.5 MG | Procedure | HCPCS |

Appendix I. List of Current Procedural Terminology, Fourth Edition, Category II (CPT-2) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Patient Characteristics in this Request

| Code | Description | Code Category | Code Type |
|--|---|----------------------|------------------|
| J1940 | INJECTION FUROSEMIDE UP TO 20 MG | Procedure | HCPCS |
| J3265 | INJECTION TORSEMIDE 10 MG/ML | Procedure | HCPCS |
| Proton Pump Inhibitors | | | |
| S0164 | INJECTION PANTOPRAZOLE SODIUM 40 MG | Procedure | HCPCS |
| C9113 | INJECTION PANTOPRAZOLE SODIUM-VIAL | Procedure | HCPCS |
| Thiazide Diuretics | | | |
| J1205 | INJ CHLOROTHIAZIDE SODIUM 500 MG | Procedure | HCPCS |
| Beta Blockers | | | |
| J1800 | INJECTION PROPRANOLOL HCL TO 1 MG | Procedure | HCPCS |
| Antidepressants | | | |
| S0106 | BUPROPION HCI SR TAB 150 MG 60 TABS | Procedure | HCPCS |
| J1320 | INJ AMITRIPTYLINE HCL TO 20 MG | Procedure | HCPCS |
| J3270 | INJ IMIPRAMINE HCL TO 20 MG | Procedure | HCPCS |
| Short-Acting Gonadotropin-Releasing Hormone (GnRH) Agonists | | | |
| J1675 | Injection, histrelin acetate, 10 mcg | Procedure | HCPCS |
| Q2020 | Injection, histrelin acetate, 10 mcg | Procedure | HCPCS |
| C9435 | Injection, gonadorelin HCl, brand name, per 100 mcg | Procedure | HCPCS |
| J1620 | Injection, gonadorelin HCl, per 100 mcg | Procedure | HCPCS |
| Long-Acting Goserelin | | | |
| J9202 | Goserelin acetate implant, per 3.6 mg | Procedure | HCPCS |
| Long-Acting Histrelin | | | |
| S0133 | Histrelin, implant, 50 mg | Procedure | HCPCS |
| J9226 | Histrelin implant (Supprelin LA), 50 mg | Procedure | HCPCS |
| J9225 | Histrelin implant (Vantas), 50 mg | Procedure | HCPCS |
| Long-Acting Triptorelin | | | |
| C9016 | Injection, triptorelin extended release, 3.75 mg | Procedure | HCPCS |
| J3315 | Injection, triptorelin pamoate, 3.75 mg | Procedure | HCPCS |
| Long-Acting Leuprolide Acetate (Excluding Lupron Depot-PED) | | | |
| J9219 | Leuprolide acetate implant, 65 mg | Procedure | HCPCS |
| Short-Acting Gonadorelin | | | |
| C9435 | Injection, gonadorelin HCl, brand name, per 100 mcg | Procedure | HCPCS |
| J1620 | Injection, gonadorelin HCl, per 100 mcg | Procedure | HCPCS |
| Short-Acting Histrelin | | | |
| J1675 | Injection, histrelin acetate, 10 mcg | Procedure | HCPCS |
| Q2020 | Injection, histrelin acetate, 10 mcg | Procedure | HCPCS |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| Anticoagulants | |
| ANISINDIONE | Miradon |
| APIXABAN | Eliquis |
| ARDEPARIN SODIUM,PORCINE | Normiflo |
| ARGATROBAN | argatroban |
| ARGATROBAN IN 0.9 % SODIUM CHLORIDE | argatroban in 0.9 % sod chlor |
| ARGATROBAN IN SODIUM CHLORIDE, ISO-OSMOTIC | argatroban in NaCl (iso-os) |
| BETRIXABAN MALEATE | Bevyxxa |
| BIVALIRUDIN | bivalirudin |
| BIVALIRUDIN | Angiomax |
| DABIGATRAN ETEXILATE MESYLATE | Pradaxa |
| DALTEPARIN SODIUM,PORCINE | Fragmin |
| DANAPAROID SODIUM,PORCINE | Orgaran |
| DESIRUDIN | Iprivask |
| DICUMAROL | dicumarol |
| EDOXABAN TOSYLATE | Savaysa |
| ENOXAPARIN SODIUM | Lovenox |
| ENOXAPARIN SODIUM | enoxaparin |
| FONDAPARINUX SODIUM | fondaparinux |
| FONDAPARINUX SODIUM | Arixtra |
| HEPARIN SODIUM,BEEF | heparin (bovine) |
| HEPARIN SODIUM,PORCINE | heparin (porcine) |
| HEPARIN SODIUM,PORCINE | Heparin Lock |
| HEPARIN SODIUM,PORCINE | heparin lock flush (porcine) |
| HEPARIN SODIUM,PORCINE | Hep-Lock |
| HEPARIN SODIUM,PORCINE | Hep-Lock Flush |
| HEPARIN SODIUM,PORCINE | heparin lock flush |
| HEPARIN SODIUM,PORCINE | Vasceze |
| HEPARIN SODIUM,PORCINE IN 0.45 % SODIUM CHLORIDE | heparin(porcine) in 0.45% NaCl |
| HEPARIN SODIUM,PORCINE IN 0.45 % SODIUM CHLORIDE/PF | heparin (porc)-0.45% NaCl (PF) |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Heparin Combination |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | heparin flush(porcine)-0.9NaCl |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | heparin (porcine) in 0.9% NaCl |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Lok-Pak Heparin Flush |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Hep-Pak |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Heparin Flush |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Lok-Pak-N Heparin Flush |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE | Lok-Pak-N |
| HEPARIN SODIUM,PORCINE IN 0.9 % SODIUM CHLORIDE/PF | heparin (porcine) in NaCl (PF) |
| HEPARIN SODIUM,PORCINE/DEXTROSE 5 % IN WATER | heparin (porcine) in 5 % dex |
| HEPARIN SODIUM,PORCINE/DEXTROSE 5 % IN WATER/PF | heparin (porcine) in D5W (PF) |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| HEPARIN SODIUM,PORCINE/PF | heparin, porcine (PF) |
| HEPARIN SODIUM,PORCINE/PF | Hep Flush-10 (PF) |
| HEPARIN SODIUM,PORCINE/PF | Hep-Lock U/P PF |
| HEPARIN SODIUM,PORCINE/PF | Heparin LockFlush(Porcine)(PF) |
| HEPARIN SODIUM,PORCINE/PF | Monoject Prefill (PF) |
| HEPARIN SODIUM,PORCINE/PF | Monoject Prefill Advanced (PF) |
| LEPIRUDIN,RECOMBINANT | Refludan |
| RIVAROXABAN | Xarelto |
| TINZAPARIN SODIUM,PORCINE | Innohep |
| WARFARIN SODIUM | Coumadin |
| WARFARIN SODIUM | warfarin |
| WARFARIN SODIUM | Jantoven |
| Antidepressants | |
| AMITRIPTYLINE HCL | amitriptyline |
| AMITRIPTYLINE HCL | Elavil |
| AMITRIPTYLINE HCL | Vanatrip |
| AMITRIPTYLINE HCL/CHLORDIAZEPOXIDE | Limbitrol DS |
| AMITRIPTYLINE HCL/CHLORDIAZEPOXIDE | Limbitrol |
| AMITRIPTYLINE HCL/CHLORDIAZEPOXIDE | amitriptyline-chlordiazepoxide |
| AMOXAPINE | amoxapine |
| AMOXAPINE | Asendin |
| BUPROPION HBR | Aplenzin |
| BUPROPION HCL | bupropion HCl |
| BUPROPION HCL | Wellbutrin XL |
| BUPROPION HCL | Wellbutrin |
| BUPROPION HCL | Wellbutrin SR |
| BUPROPION HCL | Forfivo XL |
| BUPROPION HCL | Budeprion XL |
| BUPROPION HCL | Budeprion SR |
| BUPROPION HCL/DIETARY SUPPLEMENT COMBINATION NO.15 | Appbutamone-D |
| BUPROPION HCL/DIETARY SUPPLEMENT COMBINATION NO.16 | Appbutamone |
| CITALOPRAM HYDROBROMIDE | citalopram |
| CITALOPRAM HYDROBROMIDE | Celexa |
| CLOMIPRAMINE HCL | clomipramine |
| CLOMIPRAMINE HCL | Anafranil |
| DESIPRAMINE HCL | desipramine |
| DESIPRAMINE HCL | Norpramin |
| DESVENLAFAXINE | desvenlafaxine |
| DESVENLAFAXINE | Khedezla |
| DESVENLAFAXINE FUMARATE | desvenlafaxine fumarate |
| DESVENLAFAXINE SUCCINATE | desvenlafaxine succinate |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|-----------------------|
| DESVENLAFAXINE SUCCINATE | Pristiq |
| DOXEPIN HCL | Sinequan |
| DOXEPIN HCL | doxepin |
| DOXEPIN HCL | Adapin |
| DOXEPIN HCL | Silenor |
| DULOXETINE HCL | Cymbalta |
| DULOXETINE HCL | duloxetine |
| DULOXETINE HCL | Irenka |
| ESCITALOPRAM OXALATE | Lexapro |
| ESCITALOPRAM OXALATE | escitalopram oxalate |
| FLUOXETINE HCL | fluoxetine |
| FLUOXETINE HCL | Prozac |
| FLUOXETINE HCL | Sarafem |
| FLUOXETINE HCL | Prozac Weekly |
| FLUOXETINE HCL | Rapiflux |
| FLUOXETINE HCL | Selfemra |
| FLUOXETINE HCL/DIETARY SUPPLEMENT NO.17 | Gaboxetine |
| FLUOXETINE HCL/DIETARY SUPPLEMENT NO.8 | Sentroxatine |
| FLUVOXAMINE MALEATE | fluvoxamine |
| FLUVOXAMINE MALEATE | Luvox |
| FLUVOXAMINE MALEATE | Luvox CR |
| IMIPRAMINE HCL | imipramine HCl |
| IMIPRAMINE HCL | Tofranil |
| IMIPRAMINE PAMOATE | Tofranil-PM |
| IMIPRAMINE PAMOATE | imipramine pamoate |
| ISOCARBOXAZID | Marplan |
| LEVOMILNACIPRAN HCL | Fetzima |
| MAPROTILINE HCL | maprotiline |
| MAPROTILINE HCL | Ludiomil |
| MILNACIPRAN HCL | Savella |
| MIRTAZAPINE | mirtazapine |
| MIRTAZAPINE | Remeron SolTab |
| MIRTAZAPINE | Remeron |
| NEFAZODONE HCL | Serzone |
| NEFAZODONE HCL | nefazodone |
| NORTRIPTYLINE HCL | nortriptyline |
| NORTRIPTYLINE HCL | Pamelor |
| NORTRIPTYLINE HCL | Aventyl |
| OLANZAPINE/FLUOXETINE HCL | olanzapine-fluoxetine |
| OLANZAPINE/FLUOXETINE HCL | Symbyax |
| PAROXETINE HCL | paroxetine HCl |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---------------------------------------|--------------------------------|
| PAROXETINE HCL | Paxil |
| PAROXETINE HCL | Paxil CR |
| PAROXETINE MESYLATE | Pexeva |
| PAROXETINE MESYLATE | paroxetine mesylate(menop.sym) |
| PAROXETINE MESYLATE | Brisdelle |
| PERPHENAZINE/AMITRIPTYLINE HCL | perphenazine-amitriptyline |
| PERPHENAZINE/AMITRIPTYLINE HCL | Etrafon 2-10 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Duo-Vil 2-10 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Triavil 4-25 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Etrafon Forte 4-25 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Duo-Vil 2-25 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Etrafon 2-25 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Triavil 2-25 |
| PERPHENAZINE/AMITRIPTYLINE HCL | Triavil 2-10 |
| PHENELZINE SULFATE | Nardil |
| PHENELZINE SULFATE | phenelzine |
| PROTRIPTYLINE HCL | Vivactil |
| PROTRIPTYLINE HCL | protriptyline |
| SELEGILINE | Emsam |
| SERTRALINE HCL | sertraline |
| SERTRALINE HCL | Zoloft |
| TRANLYCYPROMINE SULFATE | Parnate |
| TRANLYCYPROMINE SULFATE | tranylcypromine |
| TRAZODONE HCL | trazodone |
| TRAZODONE HCL | Desyrel |
| TRAZODONE HCL | Oleptro ER |
| TRAZODONE HCL/DIETARY SUPPLEMENT NO.8 | Trazamine |
| TRIMIPRAMINE MALEATE | trimipramine |
| TRIMIPRAMINE MALEATE | Surmontil |
| VENLAFAXINE HCL | Effexor |
| VENLAFAXINE HCL | venlafaxine |
| VENLAFAXINE HCL | Effexor XR |
| VILAZODONE HCL | Viibryd |
| VORTIOXETINE HYDROBROMIDE | Trintellix |
| VORTIOXETINE HYDROBROMIDE | Brintellix |
| Anti-Epileptic Drugs | |
| BRIVARACETAM | Briivact |
| CARBAMAZEPINE | Equetro |
| CARBAMAZEPINE | carbamazepine |
| CARBAMAZEPINE | Tegretol XR |
| CARBAMAZEPINE | Carbatrol |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|------------------------------|
| CARBAMAZEPINE | Tegretol |
| CARBAMAZEPINE | Atretol |
| CARBAMAZEPINE | Epitol |
| CLOBAZAM | Onfi |
| CLONAZEPAM | clonazepam |
| CLONAZEPAM | Klonopin |
| CLONAZEPAM | Ceberclon |
| DIAZEPAM | diazepam |
| DIAZEPAM | Diastat Pediatric |
| DIAZEPAM | Diastat AcuDial |
| DIAZEPAM | Diastat |
| DIAZEPAM | Diastat Universal |
| DIVALPROEX SODIUM | divalproex |
| DIVALPROEX SODIUM | Depakote |
| DIVALPROEX SODIUM | Depakote Sprinkles |
| DIVALPROEX SODIUM | Depakote ER |
| ESLICARBAZEPINE ACETATE | Aptiom |
| ETHOSUXIMIDE | ethosuximide |
| ETHOSUXIMIDE | Zarontin |
| ETHOTOIN | Peganone |
| EZOGABINE | Potiga |
| FELBAMATE | felbamate |
| FELBAMATE | Felbatol |
| FOSPHENYTOIN SODIUM | fosphenytoin |
| FOSPHENYTOIN SODIUM | Cerebyx |
| GABAPENTIN | Fanatrex |
| GABAPENTIN | gabapentin |
| GABAPENTIN | Neurontin |
| GABAPENTIN | Gabarone |
| GABAPENTIN/CAPSAICIN/METHYL SALICYLATE/MENTHOL | SmartRx Gaba-V Kit |
| GABAPENTIN/DIETARY SUPPLEMENT, MISC COMBO NO.11 | Therapentin-90 |
| GABAPENTIN/DIETARY SUPPLEMENT, MISC COMBO NO.11 | Therapentin-60 |
| GABAPENTIN/LIDOCAINE HCL/MENTHOL | SmartRx GabaKit |
| GABAPENTIN/LIDOCAINE HCL/MENTHOL | Active-Pac |
| LACOSAMIDE | Vimpat |
| LAMOTRIGINE | Lamictal |
| LAMOTRIGINE | lamotrigine |
| LAMOTRIGINE | Lamictal ODT Starter (Green) |
| LAMOTRIGINE | Lamictal ODT Starter (Blue) |
| LAMOTRIGINE | Lamictal XR Starter (Blue) |
| LAMOTRIGINE | Lamictal XR |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| LAMOTRIGINE | Lamictal ODT |
| LAMOTRIGINE | Lamictal Starter (Orange) Kit |
| LAMOTRIGINE | Lamictal Starter (Green) Kit |
| LAMOTRIGINE | Lamictal XR Starter (Green) |
| LAMOTRIGINE | Lamictal ODT Starter (Orange) |
| LAMOTRIGINE | Lamictal Starter (Blue) Kit |
| LAMOTRIGINE | Lamictal XR Starter (Orange) |
| LEVETIRACETAM | levetiracetam |
| LEVETIRACETAM | Keppra |
| LEVETIRACETAM | Spritam |
| LEVETIRACETAM | Roweepra |
| LEVETIRACETAM | Keppra XR |
| LEVETIRACETAM IN SODIUM CHLORIDE, ISO-OSMOTIC | levetiracetam in NaCl (iso-os) |
| MEPHENYTOIN | Mesantoin |
| METHSUXIMIDE | Celontin |
| OXCARBAZEPINE | oxcarbazepine |
| OXCARBAZEPINE | Trileptal |
| OXCARBAZEPINE | Oxtellar XR |
| PARAMETHADIONE | Paradione |
| PERAMPANEL | Fycompa |
| PHENOBARBITAL | phenobarbital |
| PHENOBARBITAL SODIUM | phenobarbital sodium |
| PHENOBARBITAL SODIUM | Luminal |
| PHENYTOIN | phenytoin |
| PHENYTOIN | Dilantin Infatabs |
| PHENYTOIN | Dilantin-125 |
| PHENYTOIN SODIUM | phenytoin sodium |
| PHENYTOIN SODIUM | Di-Phen |
| PHENYTOIN SODIUM EXTENDED | phenytoin sodium extended |
| PHENYTOIN SODIUM EXTENDED | Dilantin Kapseal |
| PHENYTOIN SODIUM EXTENDED | Dilantin Extended |
| PHENYTOIN SODIUM EXTENDED | Phenytek |
| PHENYTOIN SODIUM EXTENDED | Dilantin |
| PREGABALIN | Lyrica |
| PRIMIDONE | primidone |
| PRIMIDONE | Mysoline |
| RUFINAMIDE | Banzel |
| TIAGABINE HCL | Gabitril |
| TIAGABINE HCL | tiagabine |
| TOPIRAMATE | topiramate |
| TOPIRAMATE | Topamax |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| TOPIRAMATE | Trokendi XR |
| TOPIRAMATE | Qudexy XR |
| TOPIRAMATE | Topiragen |
| VALPROIC ACID | valproic acid |
| VALPROIC ACID | Stavzor |
| VALPROIC ACID | Depakene |
| VALPROIC ACID (AS SODIUM SALT) (VALPROATE SODIUM) | valproate sodium |
| VALPROIC ACID (AS SODIUM SALT) (VALPROATE SODIUM) | Depacon |
| VALPROIC ACID (AS SODIUM SALT) (VALPROATE SODIUM) | valproic acid (as sodium salt) |
| VIGABATRIN | vigabatrin |
| VIGABATRIN | Sabril |
| ZONISAMIDE | zonisamide |
| ZONISAMIDE | Zonegran |
| Beta Blockers | |
| ACEBUTOLOL HCL | acebutolol |
| ACEBUTOLOL HCL | Sectral |
| ATENOLOL | atenolol |
| ATENOLOL | Tenormin |
| ATENOLOL | Senormin |
| ATENOLOL/CHLORTHALIDONE | atenolol-chlorthalidone |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 50 |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 100 |
| BETAXOLOL HCL | betaxolol |
| BETAXOLOL HCL | Kerlone |
| BISOPROLOL FUMARATE | bisoprolol fumarate |
| BISOPROLOL FUMARATE | Zebeta |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | Ziac |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | bisoprolol-hydrochlorothiazide |
| CARTEOLOL HCL | Cartrol |
| CARVEDILOL | carvedilol |
| CARVEDILOL | Coreg |
| CARVEDILOL PHOSPHATE | Coreg CR |
| CARVEDILOL PHOSPHATE | carvedilol phosphate |
| ESMOLOL HCL | esmolol |
| ESMOLOL HCL | Brevibloc |
| ESMOLOL HCL IN SODIUM CHLORIDE, ISO-OSMOTIC | Brevibloc in NaCl (iso-osm) |
| LABETALOL HCL | labetalol |
| LABETALOL HCL | Trandate |
| LABETALOL HCL | Normodyne |
| LABETALOL IN DEXTROSE 5 % IN WATER | labetalol in dextrose 5 % |
| METOPROLOL SUCCINATE | metoprolol succinate |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| METOPROLOL SUCCINATE | Toprol XL |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | metoprolol su-hydrochlorothiaz |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | Dutoprol |
| METOPROLOL TARTRATE | metoprolol tartrate |
| METOPROLOL TARTRATE | Lopressor |
| METOPROLOL TARTRATE/DIETARY SUPPLEMENT, COMB.10 | Hypertensolol |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | Lopressor HCT |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | metoprolol ta-hydrochlorothiaz |
| NADOLOL | nadolol |
| NADOLOL | Corgard |
| NADOLOL/BENDROFLUMETHIAZIDE | Corzide |
| NADOLOL/BENDROFLUMETHIAZIDE | nadolol-bendroflumethiazide |
| NEBIVOLOL HCL | Bystolic |
| PENBUTOLOL SULFATE | Levitol |
| PINDOLOL | pindolol |
| PINDOLOL | Visken |
| PROPRANOLOL HCL | propranolol |
| PROPRANOLOL HCL | Inderal |
| PROPRANOLOL HCL | Inderal LA |
| PROPRANOLOL HCL | InnoPran XL |
| PROPRANOLOL HCL | Hemangeol |
| PROPRANOLOL HCL | Inderal XL |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | propranolol-hydrochlorothiazid |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide LA |
| SOTALOL HCL | Betapace AF |
| SOTALOL HCL | sotalol |
| SOTALOL HCL | Sotalol AF |
| SOTALOL HCL | Betapace |
| SOTALOL HCL | Sotylize |
| SOTALOL HCL | Sorine |
| TIMOLOL MALEATE | timolol maleate |
| TIMOLOL MALEATE | Blocadren |
| TIMOLOL MALEATE/HYDROCHLOROTHIAZIDE | Timolide |
| Bisphosphonates | |
| ALENDRONATE SODIUM | Fosamax |
| ALENDRONATE SODIUM | alendronate |
| ALENDRONATE SODIUM | Binosto |
| ALENDRONATE SODIUM/CHOLECALCIFEROL (VITAMIN D3) | Fosamax Plus D |
| ETIDRONATE DISODIUM | Didronel |
| ETIDRONATE DISODIUM | etidronate disodium |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| IBANDRONATE SODIUM | Boniva |
| IBANDRONATE SODIUM | ibandronate |
| PAMIDRONATE DISODIUM | pamidronate |
| PAMIDRONATE DISODIUM | Aredia |
| RISEDRONATE SODIUM | Actonel |
| RISEDRONATE SODIUM | risedronate |
| RISEDRONATE SODIUM | Atelvia |
| RISEDRONATE SODIUM/CALCIUM CARBONATE | Actonel with Calcium |
| TILUDRONATE DISODIUM | Skelid |
| ZOLEDRONIC ACID | Zometa |
| ZOLEDRONIC ACID | zoledronic acid |
| ZOLEDRONIC ACID IN MANNITOL AND 0.9 % SODIUM CHLORIDE | zoledronic ac-mannitol-0.9NaCl |
| ZOLEDRONIC ACID IN MANNITOL AND WATER FOR INJECTION | Reclast |
| ZOLEDRONIC ACID IN MANNITOL AND WATER FOR INJECTION | zoledronic acid-mannitol-water |
| ZOLEDRONIC ACID IN MANNITOL AND WATER FOR INJECTION | Zometa |

Chemotherapy

| | |
|-------------------------------------|----------------------|
| ABARELIX | Plenaxis |
| ABEMACICLIB | Verzenio |
| ABIRATERONE ACETATE | Zytiga |
| ACALABRUTINIB | Calquence |
| ADO-TRASTUZUMAB EMTANSINE | Kadcyla |
| AFATINIB DIMALEATE | Gilotrif |
| ALDESLEUKIN | Proleukin |
| ALECTINIB HCL | Alecensa |
| ALEMTUZUMAB | Campath |
| ALTRETAMINE | Hexalen |
| AMINOGLUTETHIMIDE | Cytadren |
| ANASTROZOLE | Arimidex 30-day Pack |
| ANASTROZOLE | anastrozole |
| ANASTROZOLE | Arimidex |
| ARSENIC TRIOXIDE | Trisenox |
| ASPARAGINASE | Elspar |
| ASPARAGINASE (ERWINIA CHRYSANTHEMI) | Erwinaze |
| ATEZOLIZUMAB | Tecentriq |
| AVELUMAB | Bavencio |
| AXICABTAGENE CILOLEUCEL | Yescarta |
| AXITINIB | Inlyta |
| AZACITIDINE | azacitidine |
| AZACITIDINE | Vidaza |
| BCG LIVE | Theracys |
| BCG LIVE | Tice BCG |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|-------------------------------|-------------------|
| BELINOSTAT | Beleodaq |
| BENDAMUSTINE HCL | Treanda |
| BENDAMUSTINE HCL | Bendeka |
| BEVACIZUMAB | Avastin |
| BEXAROTENE | bexarotene |
| BEXAROTENE | Targretin |
| BICALUTAMIDE | bicalutamide |
| BICALUTAMIDE | Casodex |
| BLEOMYCIN SULFATE | bleomycin |
| BLEOMYCIN SULFATE | Blenoxane |
| BLEOMYCIN SULFATE | Bleo 15K |
| BLINATUMOMAB | Blinicyto |
| BORTEZOMIB | Velcade |
| BORTEZOMIB | bortezomib |
| BOSUTINIB | Bosulif |
| BRENTUXIMAB VEDOTIN | Adcetris |
| BRIGATINIB | Alunbrig |
| BUSULFAN | Busulfex |
| BUSULFAN | busulfan |
| BUSULFAN | Myleran |
| CABAZITAXEL | Jevtana |
| CABOZANTINIB S-MALATE | Cabometyx |
| CABOZANTINIB S-MALATE | Cometriq |
| CAPECITABINE | capecitabine |
| CAPECITABINE | Xeloda |
| CARBOPLATIN | carboplatin |
| CARBOPLATIN | Paraplatin |
| CARFILZOMIB | Kyprolis |
| CARMUSTINE | BiCNU |
| CARMUSTINE IN POLIFEPROSAN 20 | Gliadel Wafer |
| CERITINIB | Zykadia |
| CETUXIMAB | Erbitux |
| CHLORAMBUCIL | Leukeran |
| CISPLATIN | cisplatin |
| CISPLATIN | Platinol AQ |
| CLADRIBINE | cladribine |
| CLADRIBINE | Leustatin |
| CLOFARABINE | clofarabine |
| CLOFARABINE | Clolar |
| COBIMETINIB FUMARATE | Cotellic |
| COPANLISIB DI-HCL | Aliqopa |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|-------------------------------------|--------------------------------|
| CRIZOTINIB | Xalkori |
| CROMOLYN SODIUM | cromolyn |
| CROMOLYN SODIUM | Gastrocrom |
| CYCLOPHOSPHAMIDE | cyclophosphamide |
| CYCLOPHOSPHAMIDE | Cytoxan Lyophilized |
| CYCLOPHOSPHAMIDE | Neosar |
| CYCLOPHOSPHAMIDE | Cytoxan |
| CYTARABINE | Cytosar-U |
| CYTARABINE | cytarabine |
| CYTARABINE | Tarabine Pfs |
| CYTARABINE LIPOSOME/PF | DepoCyt (PF) |
| CYTARABINE/PF | cytarabine (PF) |
| DABRAFENIB MESYLATE | Tafinlar |
| DACARBAZINE | dacarbazine |
| DACARBAZINE | DTIC-Dome |
| DACTINOMYCIN | Cosmegen |
| DACTINOMYCIN | dactinomycin |
| DARATUMUMAB | Darzalex |
| DASATINIB | Sprycel |
| DAUNORUBICIN CITRATE LIPOSOMAL | DaunoXome |
| DAUNORUBICIN HCL | daunorubicin |
| DAUNORUBICIN HCL | Cerubidine |
| DAUNORUBICIN/CYTARABINE LIPOSOMAL | Vyxeos |
| DECITABINE | Dacogen |
| DECITABINE | decitabine |
| DEGARELIX ACETATE | Firmagon kit w diluent syringe |
| DEGARELIX ACETATE | Firmagon |
| DENILEUKIN DIFTITOX | Ontak |
| DIETHYLSTILBESTROL DIPHOSPHATE | Stilphostrol |
| DINUTUXIMAB | Unituxin |
| DOCETAXEL | docetaxel |
| DOCETAXEL | Taxotere |
| DOCETAXEL | Docefrez |
| DOXORUBICIN HCL | doxorubicin |
| DOXORUBICIN HCL | Adriamycin |
| DOXORUBICIN HCL | Adriamycin PFS |
| DOXORUBICIN HCL | Adriamycin RDF |
| DOXORUBICIN HCL | Rubex |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | doxorubicin, peg-liposomal |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | Lipodox |
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | Doxil |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|-------------------------------------|-------------------|
| DOXORUBICIN HCL PEGYLATED LIPOSOMAL | Lipodox 50 |
| DURVALUMAB | Imfinzi |
| ELOTUZUMAB | Empliciti |
| ENASIDENIB MESYLATE | Idhifa |
| ENZALUTAMIDE | Xtandi |
| EPIRUBICIN HCL | epirubicin |
| EPIRUBICIN HCL | Ellence |
| ERIBULIN MESYLATE | Halaven |
| ERLOTINIB HCL | Tarceva |
| ESTRAMUSTINE PHOSPHATE SODIUM | Emcyt |
| ETOPOSIDE | etoposide |
| ETOPOSIDE | VePesid |
| ETOPOSIDE | Toposar |
| ETOPOSIDE PHOSPHATE | Etopophos |
| EVEROLIMUS | Afinitor Disperz |
| EVEROLIMUS | Afinitor |
| EXEMESTANE | Aromasin |
| EXEMESTANE | exemestane |
| FLOXURIDINE | FUDR |
| FLOXURIDINE | floxuridine |
| FLUDARABINE PHOSPHATE | fludarabine |
| FLUDARABINE PHOSPHATE | Fludara |
| FLUDARABINE PHOSPHATE | Oforta |
| FLUOROURACIL | fluorouracil |
| FLUOROURACIL | Adrucil |
| FLUTAMIDE | flutamide |
| FLUTAMIDE | Eulexin |
| FULVESTRANT | Faslodex |
| GEFITINIB | Iressa |
| GEMCITABINE HCL | gemcitabine |
| GEMCITABINE HCL | Gemzar |
| GEMTUZUMAB OZOGAMICIN | Mylotarg |
| GOSERELIN ACETATE | Zoladex |
| HISTRELIN ACETATE | Vantas |
| HYDROXYUREA | hydroxyurea |
| HYDROXYUREA | Hydrea |
| HYDROXYUREA | Mylocel |
| IBRUTINIB | Imbruvica |
| IDARUBICIN HCL | idarubicin |
| IDARUBICIN HCL | Idamycin PFS |
| IDARUBICIN HCL | Idamycin |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|------------------------|
| IDELALISIB | Zydelig |
| IFOSFAMIDE | ifosfamide |
| IFOSFAMIDE | Ifex |
| IFOSFAMIDE/MESNA | ifosfamide-mesna |
| IFOSFAMIDE/MESNA | Ifex/Mesnex |
| IMATINIB MESYLATE | imatinib |
| IMATINIB MESYLATE | Gleevec |
| INOTUZUMAB OZOGAMICIN | Besponsa |
| INTERFERON ALFA-2A,RECOMB. | Roferon-A |
| INTERFERON ALFA-2B,RECOMB. | Intron A |
| IPILIMUMAB | Yervoy |
| IRINOTECAN HCL | Camptosar |
| IRINOTECAN HCL | irinotecan |
| IRINOTECAN LIPOSOMAL | Onivyde |
| IXABEPILONE | Ixempra |
| IXAZOMIB CITRATE | Ninlaro |
| KIT FOR PREP INDIUM-111/IBRITUMOMAB TIUXETAN/ALBUMIN | Zevalin (In-111) |
| KIT FOR PREP YTTRIUM-90/IBRITUMOMAB TIUXETAN/ALBUMIN | Zevalin (Y-90) |
| LAPATINIB DITOSYLATE | Tykerb |
| LENALIDOMIDE | Revlimid |
| LENVATINIB MESYLATE | Lenvima |
| LETROZOLE | letrozole |
| LETROZOLE | Femara |
| LEUPROLIDE ACETATE | Lupron Depot (6 Month) |
| LEUPROLIDE ACETATE | Lupron Depot |
| LEUPROLIDE ACETATE | Lupron Depot (4 month) |
| LEUPROLIDE ACETATE | Lupron Depot (3 month) |
| LEUPROLIDE ACETATE | leuprolide |
| LEUPROLIDE ACETATE | Eligard (6 month) |
| LEUPROLIDE ACETATE | Eligard (4 month) |
| LEUPROLIDE ACETATE | Lupron |
| LEUPROLIDE ACETATE | Eligard |
| LEUPROLIDE ACETATE | Eligard (3 month) |
| LEUPROLIDE ACETATE/LIDOCAINE HCL | Viadur |
| LEVAMISOLE HCL | Ergamisol |
| LOMUSTINE | lomustine |
| LOMUSTINE | CeeNU |
| LOMUSTINE | Gleostine |
| LUTETIUM LU 177 DOTATATE | Lutathera |
| MECHLORETHAMINE HCL | Mustargen |
| MEDROXYPROGESTERONE ACETATE | Depo-Provera |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------|
| MEGESTROL ACETATE | megestrol |
| MEGESTROL ACETATE | Megace |
| MELPHALAN | Alkeran |
| MELPHALAN | melphalan |
| MELPHALAN HCL | melphalan HCl |
| MELPHALAN HCL | Alkeran |
| MELPHALAN HCL/BETADEX SULFOBUTYL ETHER SODIUM | Evomela |
| MERCAPTOPYRINE | Purinethol |
| MERCAPTOPYRINE | Purixan |
| MERCAPTOPYRINE | mercaptopurine |
| METHOTREXATE | Xatmep |
| METHOTREXATE SODIUM | methotrexate sodium |
| METHOTREXATE SODIUM | Trexall |
| METHOTREXATE SODIUM/PF | methotrexate sodium (PF) |
| METHOTREXATE SODIUM/PF | Methotrexate LPF |
| METHOXSALEN | Uvadex |
| MIDOSTAURIN | Rydapt |
| MITOMYCIN | mitomycin |
| MITOMYCIN | Mutamycin |
| MITOTANE | Lysodren |
| MITOXANTRONE HCL | mitoxantrone |
| MITOXANTRONE HCL | Novantrone |
| NECITUMUMAB | Portrazza |
| NELARABINE | Arranon |
| NERATINIB MALEATE | Nerlynx |
| NILOTINIB HCL | Tasigna |
| NILUTAMIDE | Nilandron |
| NILUTAMIDE | nilutamide |
| NINTEDANIB ESYLATE | Ofev |
| NIRAPARIB TOSYLATE | Zejula |
| NIVOLUMAB | Opdivo |
| OBINUTUZUMAB | Gazyva |
| OFATUMUMAB | Arzerra |
| OLAPARIB | Lynparza |
| OLARATUMAB | Lartruvo |
| OMACETAXINE MEPESUCCINATE | Synribo |
| OSIMERTINIB MESYLATE | Tagrisso |
| OXALIPLATIN | oxaliplatin |
| OXALIPLATIN | Eloxatin |
| PACLITAXEL | paclitaxel |
| PACLITAXEL | Onxol |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|------------------------|
| PACLITAXEL | Taxol |
| PACLITAXEL PROTEIN-BOUND | Abraxane |
| PALBOCICLIB | Ibrance |
| PANITUMUMAB | Vectibix |
| PANOBINOSTAT LACTATE | Farydak |
| PAZOPANIB HCL | Votrient |
| PEGASPARGASE | Oncaspar |
| PEGINTERFERON ALFA-2B | Sylatron |
| PEGINTERFERON ALFA-2B | Sylatron 4-Pack |
| PEMBROLIZUMAB | Keytruda |
| PEMETREXED DISODIUM | Alimta |
| PENTOSTATIN | Nipent |
| PENTOSTATIN | pentostatin |
| PERTUZUMAB | Perjeta |
| PLICAMYCIN | Mithracin |
| POMALIDOMIDE | Pomalyst |
| PONATINIB HCL | Iclusig |
| PORFIMER SODIUM | Photofrin |
| PRALATREXATE | Folotyn |
| PROCARBAZINE HCL | Matulane |
| RADIUM-223 DICHLORIDE | Xofigo |
| RAMUCIRUMAB | Cyramza |
| REGORAFENIB | Stivarga |
| RIBOCICLIB SUCCINATE | Kisqali |
| RIBOCICLIB SUCCINATE/LETROZOLE | Kisqali Femara Co-Pack |
| RITUXIMAB | Rituxan |
| RITUXIMAB/HYALURONIDASE, HUMAN RECOMBINANT | Rituxan Hycela |
| ROMIDEPSIN | Istodax |
| ROMIDEPSIN | romidepsin |
| RUCAPARIB CAMSYLATE | Rubraca |
| RUXOLITINIB PHOSPHATE | Jakafi |
| SAMARIUM SM 153 LEXIDRONAM | Quadramet |
| SILTUXIMAB | Sylvant |
| SIPULEUCEL-T/LACTATED RINGERS SOLUTION | Provenge |
| SODIUM IODIDE-131 | Hicon |
| SONIDEGIB PHOSPHATE | Odomzo |
| SORAFENIB TOSYLATE | Nexavar |
| STREPTOZOCIN | Zanosar |
| STRONTIUM-89 CHLORIDE | Metastron |
| SUNITINIB MALATE | Sutent |
| TALIMOGENE LAHERPAREPVEC | Imlygic |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---------------------------------------|--------------------------|
| TAMOXIFEN CITRATE | Nolvadex |
| TAMOXIFEN CITRATE | tamoxifen |
| TAMOXIFEN CITRATE | Soltamox |
| TEMOZOLOMIDE | Temodar |
| TEMOZOLOMIDE | temozolomide |
| TEMSIROLIMUS | Torisel |
| TENIPOSIDE | Vumon |
| TENIPOSIDE | teniposide |
| TESTOLACTONE | Teslac |
| THALIDOMIDE | Thalomid |
| THIOGUANINE | Tabloid |
| THIOTEPA | Thioplex |
| THIOTEPA | thiotepa |
| THIOTEPA | Tepadina |
| TISAGENLECLEUCEL | Kymriah |
| TOPOTECAN HCL | topotecan |
| TOPOTECAN HCL | Hycamtin |
| TOREMIFENE CITRATE | Fareston |
| TOSITUMOMAB (WITH MALTOSE) | Bexxar Therapeutic |
| TOSITUMOMAB (WITH MALTOSE) | Bexxar Dosimetric |
| TOSITUMOMAB IODINE-131 (WITH MALTOSE) | Bexxar 131 Iodine |
| TRABECTEDIN | Yondelis |
| TRAMETINIB DIMETHYL SULFOXIDE | Mekinist |
| TRASTUZUMAB | Herceptin |
| TRETINOIN | tretinoin (chemotherapy) |
| TRETINOIN | Vesanoid |
| TRIFLURIDINE/TIPIRACIL HCL | Lonsurf |
| TRIPTORELIN PAMOATE | Trelstar |
| TRIPTORELIN PAMOATE | Trelstar Depot |
| TRIPTORELIN PAMOATE | Trelstar LA |
| URACIL MUSTARD | uracil mustard |
| VALRUBICIN | Valstar |
| VANDETANIB | Caprelsa |
| VANDETANIB | vandetanib |
| VEMURAFENIB | Zelboraf |
| VENETOCLAX | Venclexta |
| VENETOCLAX | Venclexta Starting Pack |
| VINBLASTINE SULFATE | vinblastine |
| VINBLASTINE SULFATE | Velban |
| VINCRISTINE SULFATE | Oncovin |
| VINCRISTINE SULFATE | vincristine |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| VINCRIStINE SULFATE | Vincasar PFS |
| VINCRIStINE SULFATE LIPOSOMAL | Marqibo |
| VINORELBINE TARTRATE | vinorelbine |
| VINORELBINE TARTRATE | Navelbine |
| VISMODEGIB | Erivedge |
| VORINOSTAT | Zolanza |
| ZIV-AFLIBERCEPT | Zaltrap |
| Corticosteroids | |
| BECLOMETHASONE DIPROPIONATE | Beclovent |
| BECLOMETHASONE DIPROPIONATE | Qvar |
| BECLOMETHASONE DIPROPIONATE | Vanceril |
| BECLOMETHASONE DIPROPIONATE | Beclovent Refill |
| BECLOMETHASONE DIPROPIONATE | Vanceril Double Strength |
| BECLOMETHASONE DIPROPIONATE | Qvar RediHaler |
| BECLOMETHASONE DIPROPIONATE | Beconase |
| BECLOMETHASONE DIPROPIONATE | Vancenase AQ Double Strength |
| BECLOMETHASONE DIPROPIONATE | Beconase AQ |
| BECLOMETHASONE DIPROPIONATE | Vancenase AQ |
| BECLOMETHASONE DIPROPIONATE | Vancenase Pockethaler |
| BECLOMETHASONE DIPROPIONATE | Vancenase |
| BECLOMETHASONE DIPROPIONATE | QNASL |
| BETAMETHASONE | Celestone |
| BETAMETHASONE ACETATE AND SODIUM PHOSPH/NORFLURAN | Betaloan SUIK |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSP | Beta-1 |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSP | Celestone Soluspan |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSP | ReadySharp Betamethasone |
| BETAMETHASONE ACETATE/BETAMETHASONE SODIUM PHOSP | betamethasone acet,sod phos |
| BETAMETHASONE SODIUM PHOSPH IN STERILE WATER FOR INJ | betamethasone sod phosph-water |
| BETAMETHASONE SODIUM PHOSPHATE | Celestone |
| BETAMETHASONE SODIUM PHOSPHATE | Adbeon |
| BETAMETHASONE SODIUM PHOSPHATE | betamethasone sodium phosphate |
| BUDESONIDE | budesonide |
| BUDESONIDE | Pulmicort Flexhaler |
| BUDESONIDE | Pulmicort |
| BUDESONIDE | Pulmicort Turbuhaler |
| BUDESONIDE | Rhinocort Aqua |
| BUDESONIDE | Rhinocort Allergy |
| BUDESONIDE | Rhinocort |
| CICLESONIDE | Alvesco |
| CICLESONIDE | Omnaris |
| CICLESONIDE | Zetonna |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| CORTISONE ACETATE | Cortone |
| CORTISONE ACETATE | cortisone |
| DEFLAZACORT | Emflaza |
| DEXAMETHASONE | dexamethasone |
| DEXAMETHASONE | DexPak 10 day |
| DEXAMETHASONE | Dexone |
| DEXAMETHASONE | DexPak 13 Day |
| DEXAMETHASONE | LoCort |
| DEXAMETHASONE | Hexadrol |
| DEXAMETHASONE | ZonaCort |
| DEXAMETHASONE | Decadron |
| DEXAMETHASONE | ZoDex |
| DEXAMETHASONE | Zema-Pak |
| DEXAMETHASONE | TaperDex |
| DEXAMETHASONE | Dexamethasone Intensol |
| DEXAMETHASONE | DexPak 6 Day |
| DEXAMETHASONE | Decadron Dose Pack |
| DEXAMETHASONE | Baycadron |
| DEXAMETHASONE ACETATE | Dalalone D.P. |
| DEXAMETHASONE ACETATE | dexamethasone acetate |
| DEXAMETHASONE ACETATE | Adrenocot LA |
| DEXAMETHASONE ACETATE | Solurex LA |
| DEXAMETHASONE ACETATE | Decaject |
| DEXAMETHASONE ACETATE | Dalalone LA |
| DEXAMETHASONE ACETATE | Dexacen LA-8 |
| DEXAMETHASONE ACETATE | Dexasone LA |
| DEXAMETHASONE ACETATE | De-Sone LA |
| DEXAMETHASONE ACETATE | Dexone LA |
| DEXAMETHASONE PHOSPHATE | Primethasone |
| DEXAMETHASONE SOD PHOSPHATE | dexamethasone sodium phosphate |
| DEXAMETHASONE SOD PHOSPHATE | Solurex |
| DEXAMETHASONE SOD PHOSPHATE | Dexasone 4 |
| DEXAMETHASONE SOD PHOSPHATE | ReadySharp dexamethasone |
| DEXAMETHASONE SOD PHOSPHATE | Dexone |
| DEXAMETHASONE SOD PHOSPHATE | Cpc-Cort-D |
| DEXAMETHASONE SOD PHOSPHATE | Decaject |
| DEXAMETHASONE SOD PHOSPHATE | Decadron |
| DEXAMETHASONE SOD PHOSPHATE | Dalalone |
| DEXAMETHASONE SOD PHOSPHATE | Dexasone 10 |
| DEXAMETHASONE SOD PHOSPHATE | Adrenocot |
| DEXAMETHASONE SODIUM PHOSPHATE IN 0.9 % SODIUM CHL | dexamethasone in 0.9 % sod chl |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| DEXAMETHASONE SODIUM PHOSPHATE/LIDOCAINE HCL | Lidocidex-I |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | MAS Care-Pak (PF) |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | dexamethasone sodium phos (PF) |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | Active Injection Kit D (PF) |
| DEXAMETHASONE SODIUM PHOSPHATE/PF | DoubleDex (PF) |
| DEXAMETHASONE/PF/NORFLURANE/PENTAFLUOROPROPANE (| DMT SUIK |
| FLUDROCORTISONE ACETATE | fludrocortisone |
| FLUDROCORTISONE ACETATE | Florinef |
| FLUNISOLIDE | Aerobid |
| FLUNISOLIDE | Aerospan |
| FLUNISOLIDE | flunisolide |
| FLUNISOLIDE | Nasarel |
| FLUNISOLIDE | Nasalide |
| FLUNISOLIDE/MENTHOL | Aerobid-M |
| FLUTICASONE FUROATE | Arnuity Ellipta |
| FLUTICASONE FUROATE | Veramyst |
| FLUTICASONE FUROATE | Flonase Sensimist |
| FLUTICASONE FUROATE | Children's Flonase Sensimist |
| FLUTICASONE PROPIONATE | Flovent Rotadisk |
| FLUTICASONE PROPIONATE | Flovent HFA |
| FLUTICASONE PROPIONATE | Flovent Diskus |
| FLUTICASONE PROPIONATE | Flovent |
| FLUTICASONE PROPIONATE | ArmonAir RespiClick |
| FLUTICASONE PROPIONATE | ClariSpray |
| FLUTICASONE PROPIONATE | Allergy Relief (fluticasone) |
| FLUTICASONE PROPIONATE | fluticasone |
| FLUTICASONE PROPIONATE | Children's Flonase Allergy Rlf |
| FLUTICASONE PROPIONATE | Aller-Flo |
| FLUTICASONE PROPIONATE | Flonase Allergy Relief |
| FLUTICASONE PROPIONATE | Flonase |
| FLUTICASONE PROPIONATE | 24 Hour Allergy Relief |
| FLUTICASONE PROPIONATE | Childrens 24 Hr Allergy Relief |
| FLUTICASONE PROPIONATE | Xhance |
| FLUTICASONE PROPIONATE/SODIUM CHLORIDE/SODIUM BICAR | Ticaspray |
| FLUTICASONE PROPIONATE/SODIUM CHLORIDE/SODIUM BICAR | Ticanase |
| HYDROCORTISONE | hydrocortisone |
| HYDROCORTISONE | Cortef |
| HYDROCORTISONE | Hydrocortone |
| HYDROCORTISONE | Massengill Towelette,Medicated |
| HYDROCORTISONE ACETATE | hydrocortisone acetate |
| HYDROCORTISONE CYPIONATE | Cortef (as cypionate) |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| HYDROCORTISONE SOD PHOSPHATE | Hydrocortone |
| HYDROCORTISONE SOD SUCCINATE | Solu-Cortef |
| HYDROCORTISONE SOD SUCCINATE | hydrocortisone sod succinate |
| HYDROCORTISONE SOD SUCCINATE | A-Hydrocort |
| HYDROCORTISONE SODIUM SUCCINATE/PF | Solu-Cortef (PF) |
| METHYLPREDNISOLONE | Medrol |
| METHYLPREDNISOLONE | methylprednisolone |
| METHYLPREDNISOLONE | Medrol (Pak) |
| METHYLPREDNISOLONE | Meprolone Unipak |
| METHYLPREDNISOLONE | Methylpred |
| METHYLPREDNISOLONE ACETATE | methylprednisolone acetate |
| METHYLPREDNISOLONE ACETATE | Depo-Medrol |
| METHYLPREDNISOLONE ACETATE | Rep-Pred 80 |
| METHYLPREDNISOLONE ACETATE | Dep-Medalone 40 |
| METHYLPREDNISOLONE ACETATE | P-Care D40 |
| METHYLPREDNISOLONE ACETATE | P-Care D80 |
| METHYLPREDNISOLONE ACETATE | Depo-Predate |
| METHYLPREDNISOLONE ACETATE | Cpc-Depmed-40 |
| METHYLPREDNISOLONE ACETATE | Depoject-80 |
| METHYLPREDNISOLONE ACETATE | ReadySharp Methylprednisolone |
| METHYLPREDNISOLONE ACETATE | Depopred 40 |
| METHYLPREDNISOLONE ACETATE | Rep-Pred 40 |
| METHYLPREDNISOLONE ACETATE | Methylcotolone |
| METHYLPREDNISOLONE ACETATE | Medralone 80 |
| METHYLPREDNISOLONE ACETATE | Adlone |
| METHYLPREDNISOLONE ACETATE | Medralone 40 |
| METHYLPREDNISOLONE ACETATE | Depoject-40 |
| METHYLPREDNISOLONE ACETATE | Depopred 80 |
| METHYLPREDNISOLONE ACETATE | Cpc-Depmed-80 |
| METHYLPREDNISOLONE ACETATE | Dep-Medalone 80 |
| METHYLPREDNISOLONE ACETATE/BUPIVACAINE HCL | Physicians EZ Use M-Pred |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | P-Care D40G |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | Medroloan SUIK |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | P-Care D80G |
| METHYLPREDNISOLONE ACETATE/NORFLURANE/HFC 245FA | Medroloan II SUIK |
| METHYLPREDNISOLONE SODIUM SUCCINATE | Solu-Medrol |
| METHYLPREDNISOLONE SODIUM SUCCINATE | methylprednisolone sodium succ |
| METHYLPREDNISOLONE SODIUM SUCCINATE | A-Methapred |
| METHYLPREDNISOLONE SODIUM SUCCINATE/PF | Solu-Medrol (PF) |
| MOMETASONE FUROATE | Asmanex Twisthaler |
| MOMETASONE FUROATE | Asmanex HFA |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|-------------------------------|
| MOMETASONE FUROATE | mometasone |
| MOMETASONE FUROATE | Nasonex |
| MOMETASONE FUROATE | Sinuva |
| PREDNISOLONE | prednisolone |
| PREDNISOLONE | Prelone |
| PREDNISOLONE | Millipred |
| PREDNISOLONE | Millipred DP |
| PREDNISOLONE ACETATE | Key-Pred |
| PREDNISOLONE ACETATE | Cotolone |
| PREDNISOLONE ACETATE | prednisolone acetate |
| PREDNISOLONE ACETATE | Predalone 50 |
| PREDNISOLONE ACETATE | Pri-Cortin 50 |
| PREDNISOLONE ACETATE | UAD Pred |
| PREDNISOLONE ACETATE | Predicort-50 |
| PREDNISOLONE ACETATE | Flo-Pred |
| PREDNISOLONE SOD PHOSPHATE | prednisolone sodium phosphate |
| PREDNISOLONE SOD PHOSPHATE | Orapred |
| PREDNISOLONE SOD PHOSPHATE | Pediapred |
| PREDNISOLONE SOD PHOSPHATE | Orapred ODT |
| PREDNISOLONE SOD PHOSPHATE | Veripred 20 |
| PREDNISOLONE SOD PHOSPHATE | Millipred |
| PREDNISOLONE SOD PHOSPHATE | Bubbli-Pred |
| PREDNISOLONE SODIUM PHOSPHATE/PEAK FLOW METER | Asmalpred Plus |
| PREDNISOLONE SODIUM PHOSPHATE/PEAK FLOW METER | Asmalpred |
| PREDNISONE | prednisone |
| PREDNISONE | Deltasone |
| PREDNISONE | Sterapred DS |
| PREDNISONE | Liquid Pred |
| PREDNISONE | Meticorten |
| PREDNISONE | Rayos |
| PREDNISONE | Sterapred |
| PREDNISONE | Deltasone Dose Pack |
| PREDNISONE | Prednisone Intenol |
| TRIAMCINOLONE | Aristocort |
| TRIAMCINOLONE | Aristo-Pak |
| TRIAMCINOLONE | triamcinolone |
| TRIAMCINOLONE ACETONIDE | Azmacort |
| TRIAMCINOLONE ACETONIDE | Pro-C-Dure 6 |
| TRIAMCINOLONE ACETONIDE | triamcinolone acetonide |
| TRIAMCINOLONE ACETONIDE | Kenalog |
| TRIAMCINOLONE ACETONIDE | Kenaject |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|-----------------------------|
| TRIAMCINOLONE ACETONIDE | Tri-Kort |
| TRIAMCINOLONE ACETONIDE | Triam-A |
| TRIAMCINOLONE ACETONIDE | Arze-Ject-A |
| TRIAMCINOLONE ACETONIDE | ReadySharp Triamcinolone |
| TRIAMCINOLONE ACETONIDE | Cinonide 40 |
| TRIAMCINOLONE ACETONIDE | P-Care K80 |
| TRIAMCINOLONE ACETONIDE | Triamonide 40 |
| TRIAMCINOLONE ACETONIDE | Pro-C-Dure 5 |
| TRIAMCINOLONE ACETONIDE | Pod-Care 100K |
| TRIAMCINOLONE ACETONIDE | Acetocot |
| TRIAMCINOLONE ACETONIDE | Tac-3 |
| TRIAMCINOLONE ACETONIDE | P-Care K40 |
| TRIAMCINOLONE ACETONIDE | Cenocort A-40 |
| TRIAMCINOLONE ACETONIDE | Zilretta |
| TRIAMCINOLONE ACETONIDE | Nasacort AQ |
| TRIAMCINOLONE ACETONIDE | Nasacort |
| TRIAMCINOLONE ACETONIDE | Nasal Allergy |
| TRIAMCINOLONE ACETONIDE | Children's Nasacort |
| TRIAMCINOLONE ACETONIDE | Tri-Nasal |
| TRIAMCINOLONE ACETONIDE/LIDOCAINE HCL | EZ Use Joint-Tunnel-Trigger |
| TRIAMCINOLONE ACETONIDE/LIDOCAINE HCL | Lidocilone I |
| TRIAMCINOLONE ACETONIDE/LIDOCAINE/PRILOCAINE | DermacinRx Cinlone-I CPI |
| TRIAMCINOLONE DIACETATE | Triamcot |
| TRIAMCINOLONE DIACETATE | Amcort |
| TRIAMCINOLONE DIACETATE | Aristocort Forte |
| TRIAMCINOLONE DIACETATE | Aristocort Intralesional |
| TRIAMCINOLONE DIACETATE | U-Tri-Lone |
| TRIAMCINOLONE DIACETATE | Cinalone 40 |
| TRIAMCINOLONE DIACETATE | triamcinolone diacetate |
| TRIAMCINOLONE DIACETATE | Tristoject |
| TRIAMCINOLONE DIACETATE | Cenocort Forte Suspension |
| TRIAMCINOLONE DIACETATE | Triam Forte |
| TRIAMCINOLONE HEXACETONIDE | Aristospan Intralesional |
| TRIAMCINOLONE HEXACETONIDE | Aristospan Intra-Articular |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (Triloan II SUIK | |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (Triloan SUIK | |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (Pod-Care 100KG | |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (P-Care K40G | |
| TRIAMCINOLONE/NORFLURANE AND PENTAFLUOROPROPANE (P-Care K80G | |
| Cyclosporine | |
| CYCLOSPORINE | Sandimmune |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|------------------------------|
| CYCLOSPORINE | cyclosporine |
| CYCLOSPORINE, MODIFIED | cyclosporine modified |
| CYCLOSPORINE, MODIFIED | Neoral |
| CYCLOSPORINE, MODIFIED | Gengraf |
| CYCLOSPORINE, MODIFIED | SangCya |
| Loop Diuretics | |
| BUMETANIDE | bumetanide |
| BUMETANIDE | Bumex |
| ETHACRYNATE SODIUM | ethacrynate sodium |
| ETHACRYNATE SODIUM | Sodium Edecrin |
| ETHACRYNIC ACID | ethacrynic acid |
| ETHACRYNIC ACID | Edecrin |
| FUROSEMIDE | furosemide |
| FUROSEMIDE | Lasix |
| FUROSEMIDE IN 0.9 % SODIUM CHLORIDE | furosemide in 0.9 % NaCl |
| FUROSEMIDE/DEXTROSE 5 % IN WATER | furosemide in dextrose 5 % |
| TORSEMIDE | torsemide |
| TORSEMIDE | Demadex |
| Medroxyprogesterone | |
| ESTRADIOL CYPIONATE/MEDROXYPROGESTERONE ACETATE | medroxyprogest-estradiol cyp |
| ESTRADIOL CYPIONATE/MEDROXYPROGESTERONE ACETATE | Lunelle |
| ESTROGENS, CONJUGATED/MEDROXYPROGESTERONE ACETATE | Premphase |
| ESTROGENS, CONJUGATED/MEDROXYPROGESTERONE ACETATE | Prempro |
| MEDROXYPROGESTERONE ACETATE | Depo-Provera |
| MEDROXYPROGESTERONE ACETATE | medroxyprogesterone |
| MEDROXYPROGESTERONE ACETATE | Depo-SubQ provera 104 |
| MEDROXYPROGESTERONE ACETATE | Cycrin |
| MEDROXYPROGESTERONE ACETATE | Provera |
| MEDROXYPROGESTERONE ACETATE | Amen |
| Nitrates | |
| AMYL NITRITE | amyl nitrite |
| ISOSORBIDE DINITRATE | Isordil |
| ISOSORBIDE DINITRATE | isosorbide dinitrate |
| ISOSORBIDE DINITRATE | Isordil Titradose |
| ISOSORBIDE DINITRATE | Sorbitrate |
| ISOSORBIDE DINITRATE | IsoDitrate |
| ISOSORBIDE DINITRATE | Dilatrate-SR |
| ISOSORBIDE DINITRATE | ISOCHRON |
| ISOSORBIDE MONONITRATE | isosorbide mononitrate |
| ISOSORBIDE MONONITRATE | Ismo |
| ISOSORBIDE MONONITRATE | Imdur |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|-------------------------------|
| ISOSORBIDE MONONITRATE | Monoket |
| ISOSORBIDE MONONITRATE | Isotrate ER |
| NITROGLYCERIN | nitroglycerin |
| NITROGLYCERIN | Nitro-Bid |
| NITROGLYCERIN | Transderm-Nitro |
| NITROGLYCERIN | NitroTab |
| NITROGLYCERIN | Nitrolingual |
| NITROGLYCERIN | NitroQuick |
| NITROGLYCERIN | Tridil |
| NITROGLYCERIN | Nitro-Time |
| NITROGLYCERIN | GoNitro |
| NITROGLYCERIN | Nitromist |
| NITROGLYCERIN | Nitrostat |
| NITROGLYCERIN | Nitro-Dur |
| NITROGLYCERIN | Deponit |
| NITROGLYCERIN | Nitrek |
| NITROGLYCERIN | Minitran |
| NITROGLYCERIN | Nitrol |
| NITROGLYCERIN | Nitrodisc |
| NITROGLYCERIN | Transdermal-NTG |
| NITROGLYCERIN | Nitroglyn |
| NITROGLYCERIN | Nitrogard |
| NITROGLYCERIN | Nitronal |
| NITROGLYCERIN | Nitro-Trans System |
| NITROGLYCERIN | Nitrocot SA |
| NITROGLYCERIN IN 5 % DEXTROSE IN WATER | nitroglycerin in 5 % dextrose |
| Proton Pump Inhibitors | |
| ASPIRIN/OMEPRAZOLE | Yosprala |
| DEXLANSOPRAZOLE | Dexilant |
| DEXLANSOPRAZOLE | Kapidex |
| ESOMEPRAZOLE MAGNESIUM | esomeprazole magnesium |
| ESOMEPRAZOLE MAGNESIUM | Nexium |
| ESOMEPRAZOLE MAGNESIUM | Nexium 24HR |
| ESOMEPRAZOLE MAGNESIUM | Nexium Packet |
| ESOMEPRAZOLE SODIUM | esomeprazole sodium |
| ESOMEPRAZOLE SODIUM | Nexium IV |
| ESOMEPRAZOLE STRONTIUM | esomeprazole strontium |
| LANSOPRAZOLE | lansoprazole |
| LANSOPRAZOLE | Prevacid |
| LANSOPRAZOLE | Prevacid SoluTab |
| LANSOPRAZOLE | Heartburn Treatment 24 Hour |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| LANSOPRAZOLE | FIRST-Lansoprazole |
| LANSOPRAZOLE | Prevacid 24Hr |
| LANSOPRAZOLE | Heartburn Relief 24 Hour |
| LANSOPRAZOLE | Prevacid IV |
| LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN | amoxicil-clarithromy-lansopraz |
| LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN | Prevpac |
| LANSOPRAZOLE/NAPROXEN | PREVACID NapraPAC |
| NAPROXEN/ESOMEPRAZOLE MAGNESIUM | Vimovo |
| OMEPRAZOLE | omeprazole |
| OMEPRAZOLE | Prilosec |
| OMEPRAZOLE | Omeprazole+SyrSpend SF Alka |
| OMEPRAZOLE | FIRST-Omeprazole |
| OMEPRAZOLE MAGNESIUM | omeprazole magnesium |
| OMEPRAZOLE MAGNESIUM | Acid Reducer (omeprazole) |
| OMEPRAZOLE MAGNESIUM | Prilosec OTC |
| OMEPRAZOLE MAGNESIUM | Prilosec |
| OMEPRAZOLE/CLARITHROMYCIN/AMOXICILLIN TRIHYDRATE | Omeclamox-Pak |
| OMEPRAZOLE/SODIUM BICARBONATE | Zegerid OTC |
| OMEPRAZOLE/SODIUM BICARBONATE | Zegerid |
| OMEPRAZOLE/SODIUM BICARBONATE | omeprazole-sodium bicarbonate |
| OMEPRAZOLE/SODIUM BICARBONATE | OmePPI |
| PANTOPRAZOLE SODIUM | pantoprazole |
| PANTOPRAZOLE SODIUM | Protonix |
| RABEPRAZOLE SODIUM | Aciphex |
| RABEPRAZOLE SODIUM | AcipHex Sprinkle |
| RABEPRAZOLE SODIUM | rabeprazole |
| Short-Acting Gonadotropin-Releasing Hormone (GnRH) Agonists | |
| gonadorelin acetate | Lutrepulse |
| histrelin acetate | Supprelin |
| leuprolide acetate | leuprolide |
| leuprolide acetate | Lupron |
| nafarelin acetate | Synarel |
| Statins | |
| AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM | amlodipine-atorvastatin |
| AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM | Caduet |
| ASPIRIN (CALCIUM CARB & MAGNESIUM BUFFERS)/PRAVASTAT | PRAVIGARD PAC |
| ATORVASTATIN CALCIUM | atorvastatin |
| ATORVASTATIN CALCIUM | Lipitor |
| CERIVASTATIN SODIUM | Baycol |
| EZETIMIBE/ATORVASTATIN CALCIUM | Liptruzet |
| EZETIMIBE/SIMVASTATIN | ezetimibe-simvastatin |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| EZETIMIBE/SIMVASTATIN | Vytorin 10-80 |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-10 |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-20 |
| EZETIMIBE/SIMVASTATIN | Vytorin 10-40 |
| FLUVASTATIN SODIUM | Lescol |
| FLUVASTATIN SODIUM | Lescol XL |
| FLUVASTATIN SODIUM | fluvastatin |
| LOVASTATIN | Mevacor |
| LOVASTATIN | lovastatin |
| LOVASTATIN | Altoprev |
| LOVASTATIN | Altocor |
| NIACIN/LOVASTATIN | Advicor |
| NIACIN/SIMVASTATIN | Simcor |
| PITAVASTATIN CALCIUM | Livalo |
| PRAVASTATIN SODIUM | pravastatin |
| PRAVASTATIN SODIUM | Pravachol |
| ROSUVASTATIN CALCIUM | Crestor |
| ROSUVASTATIN CALCIUM | rosuvastatin |
| SIMVASTATIN | simvastatin |
| SIMVASTATIN | Zocor |
| SIMVASTATIN | FloLipid |
| SITAGLIPTIN PHOSPHATE/SIMVASTATIN | Juvisync |
| Thiazide Diuretics | |
| ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE | Amturnide |
| ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE | Tekturna HCT |
| AMILORIDE HCL/HYDROCHLOROTHIAZIDE | amiloride-hydrochlorothiazide |
| AMILORIDE HCL/HYDROCHLOROTHIAZIDE | Moduretic |
| AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE | amlodipine-valsartan-hcthiazid |
| AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE | Exforge HCT |
| ATENOLOL/CHLORTHALIDONE | atenolol-chlorthalidone |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 50 |
| ATENOLOL/CHLORTHALIDONE | Tenoretic 100 |
| BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE | Lotensin HCT |
| BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE | benazepril-hydrochlorothiazide |
| BENDROFLUMETHIAZIDE | Naturetin |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | Ziac |
| BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE | bisoprolol-hydrochlorothiazide |
| CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE | candesartan-hydrochlorothiazid |
| CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE | Atacand HCT |
| CAPTOPRIL/HYDROCHLOROTHIAZIDE | captopril-hydrochlorothiazide |
| CAPTOPRIL/HYDROCHLOROTHIAZIDE | Capozide |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|---|--------------------------------|
| CHLOROTHIAZIDE | chlorothiazide |
| CHLOROTHIAZIDE | Diuril |
| CHLOROTHIAZIDE SODIUM | chlorothiazide sodium |
| CHLOROTHIAZIDE SODIUM | Diuril IV |
| CHLORTHALIDONE | chlorthalidone |
| CHLORTHALIDONE | Thalitone |
| CHLORTHALIDONE | Hygroton |
| CLONIDINE HCL/CHLORTHALIDONE | Clorpres |
| CLONIDINE HCL/CHLORTHALIDONE | clonidine-chlorthalidone |
| CLONIDINE HCL/CHLORTHALIDONE | Combipres-1 |
| CLONIDINE HCL/CHLORTHALIDONE | Combipres-2 |
| DESERPIDINE/METHYCLOTHIAZIDE | Enduronyl Forte |
| DESERPIDINE/METHYCLOTHIAZIDE | Enduronyl |
| ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE | enalapril-hydrochlorothiazide |
| ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE | Vaseretic |
| EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE | Teveten HCT |
| FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE | fosinopril-hydrochlorothiazide |
| FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE | Monopril HCT |
| GUANETHIDINE SULFATE/HYDROCHLOROTHIAZIDE | Esimil |
| HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE | hydralazine-hydrochlorothiazid |
| HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE | Hydra-Zide |
| HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE | Apresazide |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | hydralazine-reserpin-hcthiazid |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Cam-Ap-Es |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Ser-A-Gen |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Tri-Hydroserpine |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Uni-Serp |
| HYDRALAZINE HCL/RESERPINE/HYDROCHLOROTHIAZIDE | Serpazide |
| HYDROCHLOROTHIAZIDE | hydrochlorothiazide |
| HYDROCHLOROTHIAZIDE | Oretic |
| HYDROCHLOROTHIAZIDE | HydroDiuril |
| HYDROCHLOROTHIAZIDE | Microzide |
| HYDROCHLOROTHIAZIDE | Carozide |
| HYDROCHLOROTHIAZIDE | Aquazide-H |
| HYDROCHLOROTHIAZIDE | Esidrix |
| HYDROFLUMETHIAZIDE | Diucardin |
| HYDROFLUMETHIAZIDE | Saluron |
| INDAPAMIDE | indapamide |
| INDAPAMIDE | Lozol |
| IRBESARTAN/HYDROCHLOROTHIAZIDE | irbesartan-hydrochlorothiazide |
| IRBESARTAN/HYDROCHLOROTHIAZIDE | Avalide |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| LISINAPRIL/HYDROCHLOROTHIAZIDE | lisinopril-hydrochlorothiazide |
| LISINAPRIL/HYDROCHLOROTHIAZIDE | Zestoretic |
| LISINAPRIL/HYDROCHLOROTHIAZIDE | Prinzide |
| LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE | losartan-hydrochlorothiazide |
| LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE | Hyzaar |
| METHYLCLOTHIAZIDE | methyclothiazide |
| METHYLCLOTHIAZIDE | Enduron |
| METHYLCLOTHIAZIDE | Aquatensen |
| METHYLDOPA/CHLOROTHIAZIDE | Aldoclor |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | methyldopa-hydrochlorothiazide |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril-25 |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril-15 |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril D30 |
| METHYLDOPA/HYDROCHLOROTHIAZIDE | Aldoril D50 |
| METOLAZONE | metolazone |
| METOLAZONE | Zaroxolyn |
| METOLAZONE | Mykrox |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | Dutoprol |
| METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE | metoprolol su-hydrochlorothiaz |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | metoprolol ta-hydrochlorothiaz |
| METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE | Lopressor HCT |
| MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE | Uniretic |
| MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE | moexipril-hydrochlorothiazide |
| NADOLOL/BENDROFLUMETHIAZIDE | Corzide |
| NADOLOL/BENDROFLUMETHIAZIDE | nadolol-bendroflumethiazide |
| OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE | olmesartan-amlodipin-hcthiazid |
| OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE | Tribenzor |
| OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE | olmesartan-hydrochlorothiazide |
| OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE | Benicar HCT |
| POLYTHIAZIDE | Renese |
| PRAZOSIN HCL/POLYTHIAZIDE | Minizide |
| PRAZOSIN HCL/POLYTHIAZIDE | Minizide 2 |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | propranolol-hydrochlorothiazid |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide LA |
| PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE | Inderide |
| QUINAPRIL HCL/HYDROCHLOROTHIAZIDE | quinapril-hydrochlorothiazide |
| QUINAPRIL HCL/HYDROCHLOROTHIAZIDE | Accuretic |
| QUINAPRIL HCL/HYDROCHLOROTHIAZIDE | Quinaretic |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | Rondameth |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | Rauzide |
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | bendroflumethiazide-rauwolfia |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|--------------------------------|
| RAUWOLFIA SERPENTINA/BENDROFLUMETHIAZIDE | Flumezide |
| RESERPINE/HYDROCHLOROTHIAZIDE | reserpine-hydrochlorothiazide |
| RESERPINE/HYDROCHLOROTHIAZIDE | Hydro-Reserp |
| RESERPINE/HYDROFLUMETHIAZIDE | Salutensin-Demi |
| RESERPINE/HYDROFLUMETHIAZIDE | Salutensin |
| RESERPINE/METHYCLOTHIAZIDE | Diutensen-R |
| RESERPINE/POLYTHIAZIDE | Renese-R |
| SPIRONOLACTONE/HYDROCHLOROTHIAZIDE | spironolacton-hydrochlorothiaz |
| SPIRONOLACTONE/HYDROCHLOROTHIAZIDE | Aldactazide |
| TELMISARTAN/HYDROCHLOROTHIAZIDE | Micardis HCT |
| TELMISARTAN/HYDROCHLOROTHIAZIDE | telmisartan-hydrochlorothiazid |
| TIMOLOL MALEATE/HYDROCHLOROTHIAZIDE | Timolide |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | triamterene-hydrochlorothiazid |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | Dyazide |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | Maxzide-25mg |
| TRIAMTERENE/HYDROCHLOROTHIAZIDE | Maxzide |
| TRICHLORMETHIAZIDE | trichlormethiazide |
| TRICHLORMETHIAZIDE | Aquazide |
| TRICHLORMETHIAZIDE | Naqua |
| VALSARTAN/HYDROCHLOROTHIAZIDE | valsartan-hydrochlorothiazide |
| VALSARTAN/HYDROCHLOROTHIAZIDE | Diovan HCT |
| Long-Acting Goserelin | |
| goserelin acetate | Zoladex |
| Long-Acting Histrelin | |
| histrelin acetate | Supprelin LA |
| histrelin acetate | Vantas |
| Long-Acting Leuprolide Acetate (Excluding Lupron Depot-PED) | |
| leuprolide acetate | Eligard |
| leuprolide acetate | Eligard (3 month) |
| leuprolide acetate | Eligard (4 month) |
| leuprolide acetate | Eligard (6 month) |
| leuprolide acetate | Lupron Depot |
| leuprolide acetate | Lupron Depot (3 month) |
| leuprolide acetate | Lupron Depot (4 month) |
| leuprolide acetate | Lupron Depot (6 Month) |
| leuprolide acetate/lidocaine HCl | Viadur |
| leuprolide acetate/norethindrone acetate | Lupaneta Pack (1 month) |
| leuprolide acetate/norethindrone acetate | Lupaneta Pack (3 month) |
| Long-Acting Triptorelin | |
| triptorelin pamoate | Trelstar |
| triptorelin pamoate | Trelstar Depot |
| triptorelin pamoate | Trelstar LA |

Appendix J. List of Generic and Brand Names of Medical Products Used to Define Patient Characteristics in this Request

| Generic Name | Brand Name |
|--|-------------------|
| triptorelin pamoate | Triptodur |
| Short-Acting Gonadorelin | |
| gonadorelin acetate | Lutrepulse |
| Short-Acting Histrelin | |
| histrelin acetate | Supprelin |
| Short-Acting Leuprolide Acetate | |
| leuprolide acetate | leuprolide |
| leuprolide acetate | Lupron |
| Short-Acting Nafarelin | |
| nafarelin acetate | Synarel |

Appendix K. Specifications Defining Parameters for this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) and Multiple Factor Matching tools, version 7.0.2, with custom programming to investigate whether children exposed to Lupron are at higher risk for fractures compared to children who are not exposed to Lupron.

Query Period: January 1, 2000 - latest available data

Coverage Requirement: Medical and Drug

Enrollment Requirement: 183 days

Enrollment Gap: 45 Days

Sex: Varies by comparison

Age Groups: 0-2, 3-4, 5-6, 7-8, 9-10 years

Freeze Data: Yes

Race Output: Yes

| | Comparison 1 | | Comparison 2 | | Comparison 3 | |
|--|---|--|---|--|---|---|
| Sex | Female | Female | Male | Male | Female | Female |
| Drug/Exposure | Lupron Depot PED | Well child visit | Lupron Depot PED | Well child visit | Lupron Depot PED | 1st CPP diagnosis in SDD + 117 days |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Incident with Respect to: | Lupron Depot PED | | Lupron Depot PED | | Lupron Depot PED | CPP |
| Incidence Criteria Care Setting | Any | | Any | | Any | Any |
| Washout (Days) | 183 | 0 | 183 | 0 | 183 | 183 days before 1st CPP diagnosis in SDD |
| Cohort Definition | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period |
| Intention to Treat (ITT) | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Episode Length (Days) | | | | | | |
| Sensitivity Analysis Only | Non-leuprolide acetate long-acting GnRH agonists | All long-acting GnRH agonists | Non-leuprolide acetate long-acting GnRH agonists | All long-acting GnRH agonists | Non-leuprolide acetate long-acting GnRH agonists | All long-acting GnRH agonists |
| Episode Truncation for Exposure | DP End Date, Query End Date, Death, Major trauma (ED* or IP*) | DP End Date, Query End Date, Death, Major trauma (ED* or IP*), CPP diagnosis | DP End Date, Query End Date, Death, Major trauma (ED* or IP*) | DP End Date, Query End Date, Death, Major trauma (ED* or IP*), CPP diagnosis | DP End Date, Query End Date, Death, Major trauma (ED* or IP*) | DP End Date, Query End Date, Death, Major trauma (ED* or IP*) |
| Pre-Existing Conditions | | | | | | |
| Condition | CPP | CPP | CPP | CPP | CPP | |
| Care Setting | Any | Any | Any | Any | Any | |
| Include or Exclude | Include | Exclude | Include | Exclude | Include | |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 1 | | Comparison 2 | | Comparison 3 | |
|--|--|--|--|--|--|--|
| Condition | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Fractures | Fractures | Fractures | Fractures | Fractures | Fractures |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | | Lupron Depot PED | | Lupron Depot PED | | Lupron Depot PED |
| Care Setting | | Any | | Any | | Any |
| Include or Exclude | | Exclude | | Exclude | | Exclude |
| Lookback Period (Days) | | All available history | | All available history | | All available history |
| Event/Outcome | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma |
| Washout (Days) | 0 | 0 | 0 | 0 | 0 | 0 |
| Care Setting/Principal Diagnosis Position (PDX) | Any | Any | Any | Any | Any | Any |
| Blackout Period (Days) | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 1 | | Comparison 2 | | Comparison 3 | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Matching | | | | | | |
| Matching Variables | DOB and month | DOB and month | DOB and month | DOB and month | DOB and month | DOB and month |
| Matching Ratio | 1:10 | 1:10 | 1:10 | 1:10 | 1:10 | 1:10 |
| Matching Caliper Settings | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days |
| Analysis Type | Conditional | Conditional | Conditional | Conditional | Conditional | Conditional |
| Effect Estimation | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return |
| Kaplan Meier Plot | Yes | Yes | Yes | Yes | Yes | Yes |
| Kaplan Meier Plot Age Groups (Years) | 0-2, 3-4, 5-6, 7-8, 9-10 | 0-2, 3-4, 5-6, 7-8, 9-10 | 0-2, 3-4, 5-6, 7-8, 9-10 | 0-2, 3-4, 5-6, 7-8, 9-10 | 0-2, 3-4, 5-6, 7-8, 9-10 | 0-2, 3-4, 5-6, 7-8, 9-10 |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 4 | | Comparison 5 | | Comparison 6 | |
|---|---|---|---|---|---|---|
| Sex | Male | Male | Female | Female | Male | Male |
| Drug/Exposure | Lupron Depot PED | 1st CPP diagnosis in SDD + 73 days | Lupron Depot PED | Well child visit | Lupron Depot PED | Well child visit |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Incident with Respect to Incidence Criteria Care Setting | Lupron Depot PED Any | CPP Any | Lupron Depot PED Any | | Lupron Depot PED Any | |
| Washout (Days) | 183 | 183 days before 1st CPP diagnosis in SDD | 183 | 0 | 183 | 0 |
| Cohort Definition | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period |
| Intention to Treat (ITT) Episode Length (Days) Sensitivity Analysis Only | 10,000 Non-leuprolide acetate long-acting GnRH agonists | 10,000 All long-acting GnRH agonists | 10,000 Non-leuprolide acetate long-acting GnRH agonists | 10,000 All long-acting GnRH agonists | 10,000 Non-leuprolide acetate long-acting GnRH agonists | 10,000 All long-acting GnRH agonists |
| Episode Truncation for Exposure | DP End Date, Query End Date, Death, Major trauma (ED* or IP*) | DP End Date, Query End Date, Death, Major trauma (ED* or IP*) | DP End Date, Query End Date, Death | DP End Date, Query End Date, Death, CPP diagnosis | DP End Date, Query End Date, Death | DP End Date, Query End Date, Death, CPP diagnosis |
| Pre-Existing Conditions | | | | | | |
| Condition | CPP | | CPP | CPP | CPP | CPP |
| Care Setting | Any | | Any | Any | Any | Any |
| Include or Exclude | Include | | Include | Exclude | Include | Exclude |
| Lookback Period (Days) | -183, 0 | | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 4 | | Comparison 5 | | Comparison 6 | |
|--|--|--|---|--------------------------------|---|--------------------------------|
| Condition | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Fractures | Fractures | Fractures | Fractures | Fractures | Fractures |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | | Lupron Depot PED | | Lupron Depot PED | | Lupron Depot PED |
| Care Setting | | Any | | Any | | Any |
| Include or Exclude | | Exclude | | Exclude | | Exclude |
| Lookback Period (Days) | | All available history | | All available history | | All available history |
| Event/Outcome | | | | | | |
| Event/Outcome | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Major fracture (diagnosis with procedure +/- 7 days) and no major trauma | Any fracture | Any fracture | Any fracture | Any fracture |
| Washout (Days) | 0 | 0 | 0 | 0 | 0 | 0 |
| Care Setting/Principal Diagnosis Position (PDX) | Any | Any | Any | Any | Any | Any |
| Blackout Period (Days) | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 4 | | Comparison 5 | | Comparison 6 | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Matching | | | | | | |
| Matching Variables | DOB and month | DOB and month | DOB and month | DOB and month | DOB and month | DOB and month |
| Matching Ratio | 1:10 | 1:10 | 1:10 | 1:10 | 1:10 | 1:10 |
| Matching Caliper Settings | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days |
| Analysis Type | Conditional | Conditional | Conditional | Conditional | Conditional | Conditional |
| Effect Estimation | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return |
| Kaplan Meier Plot | Yes | Yes | No | No | No | No |
| Kaplan Meier Plot Age Groups (Years) | 0-2, 3-4, 5-6, 7-8, 9-10 | 0-2, 3-4, 5-6, 7-8, 9-10 | | | | |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 7 | | Comparison 8 | | Comparison 9 | |
|--|---|---|---|---|---|---|
| Sex | Female | Female | Male | Male | Female | Female |
| Drug/Exposure | Lupron Depot PED | Well child visit | Lupron Depot PED | Well child visit | Lupron Depot PED | Well child visit |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Incident with Respect to: | Lupron Depot PED | | Lupron Depot PED | | Lupron Depot PED | |
| Incidence Criteria Care Setting | Any | | Any | | Any | |
| Washout (Days) | 183 | 0 | 183 | 0 | 183 | 0 |
| Cohort Definition | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period |
| Intention to Treat (ITT) | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Episode Length (Days) | | | | | | |
| Sensitivity Analysis Only | Non-leuprolide acetate long-acting GnRH agonists | All long-acting GnRH agonists | Non-leuprolide acetate long-acting GnRH agonists | All long-acting GnRH agonists | Non-leuprolide acetate long-acting GnRH agonists | All long-acting GnRH agonists |
| Episode Truncation for Exposure | DP End Date, Query End Date, Death | DP End Date, Query End Date, Death, CPP diagnosis | DP End Date, Query End Date, Death | DP End Date, Query End Date, Death, CPP diagnosis | DP End Date, Query End Date, Death | DP End Date, Query End Date, Death, CPP diagnosis |
| Pre-Existing Conditions | | | | | | |
| Condition | CPP | CPP | CPP | CPP | CPP | CPP |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Include | Exclude | Include | Exclude | Include | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta | Osteogenesis imperfecta |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 7 | | Comparison 8 | | Comparison 9 | |
|--|---|--------------------------------|---|--------------------------------|---|--------------------------------|
| Condition | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist | Non-Lupron Depot PED long-acting GnRH agonist | All long-acting GnRH agonist |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density | Drugs that affect bone density |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria | Gender dysphoria |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | Fractures | Fractures | Fractures | Fractures | Fractures | Fractures |
| Care Setting | Any | Any | Any | Any | Any | Any |
| Include or Exclude | Exclude | Exclude | Exclude | Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 | -183, 0 |
| Condition | | Lupron Depot PED | | Lupron Depot PED | | Lupron Depot PED |
| Care Setting | | Any | | Any | | Any |
| Include or Exclude | | Exclude | | Exclude | | Exclude |
| Lookback Period (Days) | | All available history | | All available history | | All available history |
| Event/Outcome | | | | | | |
| Event/Outcome | Hip replacement | Hip replacement | Hip replacement | Hip replacement | TMJ replacement | TMJ replacement |
| Washout (Days) | 0 | 0 | 0 | 0 | 0 | 0 |
| Care Setting/Principal Diagnosis Position (PDX) | Any | Any | Any | Any | Any | Any |
| Blackout Period (Days) | 0 | 0 | 0 | 0 | 0 | 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| | Comparison 7 | | Comparison 8 | | Comparison 9 | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Matching | | | | | | |
| Matching Variables | DOB and month | DOB and month | DOB and month | DOB and month | DOB and month | DOB and month |
| Matching Ratio | 1:10 | 1:10 | 1:10 | 1:10 | 1:10 | 1:10 |
| Matching Caliper Settings | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days | DOB +/- 183 days |
| Analysis Type | Conditional | Conditional | Conditional | Conditional | Conditional | Conditional |
| Effect Estimation | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return | Risk set level data return |
| Kaplan Meier Plot | No | No | No | No | No | No |
| Kaplan Meier Plot Age Groups (Years) | | | | | | |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Appendix K. Specifications Defining Parameters for this Request (Continued)

| Comparison 10 | | |
|--|---|---|
| Sex | Male | Male |
| Drug/Exposure | Lupron Depot PED | Well child visit |
| Care Setting | Any | Any |
| Incident with Respect to: Incidence Criteria Care Setting | Lupron Depot PED Any | |
| Washout (Days) | 183 | 0 |
| Cohort Definition | Include only the first valid exposure during the query period | Include only the first valid exposure during the query period |
| Intention to Treat (ITT) Episode Length (Days) | 10,000 | 10,000 |
| Sensitivity Analysis Only | Non-leuprolide acetate long acting GnRH agonists | All long-acting GnRH agonists |
| Episode Truncation for Exposure | DP End Date, Query End Date, Death | DP End Date, Query End Date, Death, CPP diagnosis |
| <u>Pre-Existing Conditions</u> | | |
| Condition | CPP | CPP |
| Care Setting | Any | Any |
| Include or Exclude | Include | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 |
| Condition | Osteogenesis imperfecta | Osteogenesis imperfecta |
| Care Setting | Any | Any |
| Include or Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| Comparison 10 | | |
|--|---|--------------------------------|
| Condition | Non-Lupron Depot PED long acting GnRH agonist | All long-acting GnRH agonist |
| Care Setting | Any | Any |
| Include or Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 |
| Condition | Drugs that affect bone density | Drugs that affect bone density |
| Care Setting | Any | Any |
| Include or Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 |
| Condition | Gender dysphoria | Gender dysphoria |
| Care Setting | Any | Any |
| Include or Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 |
| Condition | Fractures | Fractures |
| Care Setting | Any | Any |
| Include or Exclude | Exclude | Exclude |
| Lookback Period (Days) | -183, 0 | -183, 0 |
| Condition | | Lupron Depot PED |
| Care Setting | | Any |
| Include or Exclude | | Exclude |
| Lookback Period (Days) | | All available history |
| Event/Outcome | | |
| Event/Outcome | TMJ replacement | TMJ replacement |
| Washout (Days) | 0 | 0 |
| Care Setting/Principal Diagnosis Position (PDX) | Any | Any |
| Blackout Period (Days) | 0 | 0 |

Appendix K. Specifications Defining Parameters for this Request (Continued)

| Comparison 10 | | |
|---|----------------------------|----------------------------|
| Matching | | |
| Matching Variables | DOB and month | DOB and month |
| Matching Ratio | 1:10 | 1:10 |
| Matching Caliper Settings | DOB +/- 183 days | DOB +/- 183 days |
| Analysis Type | Conditional | Conditional |
| Effect Estimation | Risk set level data return | Risk set level data return |
| Kaplan Meier Plot | No | No |
| Kaplan Meier Plot Age Groups (Years) | | |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Appendix L. Specifications Defining Parameters for this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) and Multiple Factor Matching tools, version 7.0.2, with custom programming to investigate whether children exposed to Lupron are at higher risk for fractures compared to children who are not exposed to Lupron.

| <p style="text-align: center;">Query Period: January 1, 2000 - August 31, 2018 Coverage Requirement: Medical and Drug Enrollment Requirement: 183 days Enrollment Gap: 45 days Sex: Varies by scenario Age Groups: 0-2, 3-4, 5-6, 7-8, 9-10 years</p> | | | | | | | | | | | |
|--|-----|--------------------|--|---|--------------|--------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | | Post-Index Patient Characteristics | | | | |
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 1 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 2 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 3 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 4 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 5 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 6 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 7 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 8 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 9 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 10 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 11 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 12 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 13 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 14 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 15 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 16 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 17 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 18 | F | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Sex | Follow-up | | Pre-Index Patient Characteristics | | Post-Index Patient Characteristics | | | | | |
|----------|-----|--------------------|--|---|--------------|------------------------------------|---|--------------|----------------------------|----------------------------|----------------------------|
| | | Summary Statistics | Categories of Follow-up Time (years) | Characteristics | Care Setting | Evaluation Window (days) | Characteristics | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) |
| 19 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |
| 20 | M | Yes | 0-<2, 2-<4, 4-<6, 6-<8, 8-<10, 10-<12, ≥12 | LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | -183, 0 | Anticoagulants, Bisphosphonates, Anti-epileptic drugs, Corticosteroids, Chemotherapy, Cyclosporine, Medroxyprogesterone, Loop diuretics, Proton pump inhibitors, Thiazide diuretics, Statins, Nitrates, Beta blockers, Antidepressants, Short-acting GnRH agonists, LA leuprolide (excluding Lupron Depot-Ped), SA leuprolide, LA goserelin, SA gonadorelin, LA histrelin, SA histrelin, SA nafarelin, LA triptorelin | Any | 1, end of follow-up | 1, 183 | 1, 730 |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Most Frequent Utilization | | | | | | | | | | Cumulative Duration | | Total Number of Exposures | Time Since Discontinuation | Age at Time of Event |
|----------|---------------------------|---------------|---------------------|---------------------|----------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|------------------------------|--------------------|---------------------------|----------------------------|----------------------|
| | Number of Codes | Code Category | Code Type | Count Method | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) | Evaluation Window 4 (days) | Evaluation Window (days) | Extension (days) | Summary Statistics | Summary Statistics | Summary Statistics | Summary Statistics |
| | 1 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 2 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 3 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 4 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 5 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Most Frequent Utilization | | | | | | | | | | Cumulative Duration | | | Total Number of Exposures | Time Since Discontinuation | Age at Time of Event |
|----------|---------------------------|---------------|---------------------|---------------------|----------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|---------------------|--------------------|--------------------|---------------------------|----------------------------|----------------------|
| | Number of Codes | Code Category | Code Type | Count Method | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) | Evaluation Window 4 (days) | Evaluation Window (days) | Extension (days) | Summary Statistics | Summary Statistics | Summary Statistics | Summary Statistics | |
| | 6 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 7 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | Yes | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 8 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | Yes | Yes |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 9 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 10 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Most Frequent Utilization | | | | | | | | | | Cumulative Duration | | Total Number of Exposures | Time Since Discontinuation | Age at Time of Event |
|-----------|---------------------------|---------------|---------------------|---------------------|----------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|------------------------------|--------------------|---------------------------|----------------------------|----------------------|
| | Number of Codes | Code Category | Code Type | Count Method | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) | Evaluation Window 4 (days) | Evaluation Window (days) | Extension (days) | Summary Statistics | Summary Statistics | Summary Statistics | Summary Statistics |
| | 11 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 12 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 13 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 14 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |
| 15 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | |

Appendix L. Specifications Defining Parameters for this Request (Continued)

| Scenario | Most Frequent Utilization | | | | | | | | | | Cumulative Duration | | | Total Number of Exposures | Time Since Discontinuation | Age at Time of Event |
|----------|---------------------------|---------------|---------------------|----------------|--------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|---------------------|--------------------|--------------------|---------------------------|----------------------------|----------------------|
| | Number of Codes | Code Category | Code Type | Count Method | Care Setting | Evaluation Window 1 (days) | Evaluation Window 2 (days) | Evaluation Window 3 (days) | Evaluation Window 4 (days) | Evaluation Window (days) | Extension (days) | Summary Statistics | Summary Statistics | Summary Statistics | Summary Statistics | |
| | | | | | | | | | | | | | | | | |
| 16 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 17 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 18 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 19 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | 0, last exposure (PX or NDC) | 30 | Yes | Yes | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |
| 20 | 50 | DX | ICD-9-CM, ICD-10-CM | Patient counts | Any | -183, 0 | 1, end of follow-up | 1, 183 | 1, 730 | | | | | | | |
| | 20 | RX | 9-Digit NDC | | | | | | | | | | | | | |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."