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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_mpl2r_wp007_nsdv_v01

Request ID: cder_mpl2r_wp007_nsdv_v01

Request Description: This request estimated the number of individuals exposed to magnetic resonance imaging (MRI) or magnetic resonance angiography (MRA) and among them, the number who had a seizure that occurred during specified risk and control windows.

Sentinel Modular Program Tool Used: Cohort Identification and Descriptive Analysis Tool (CIDA), version 3.6.6

Data Source: Data from January 1, 2008 to November 30, 2016 from 15 Data Partners contributing to the Sentinel Distributed Database (SDD) were included in this report. This request was distributed to Data Partners on May 26, 2017. Please see Appendix A for a list of dates of available data for each Data Partner.

Study Design: This request utilized a self-controlled risk interval (SCRI) design. The exposures of interest, risk and control windows relative to the exposure date, and the occurrence of the health outcome of interest during the risk and control windows were identified. The number of exposed individuals and number of individuals with an event in the risk and/or control windows in the SDD were calculated overall and stratified by sex, age, year, and time-to-event.

Exposures of Interest: Two main exposures were examined: MRI or MRA procedures using contrast agent and MRI or MRA procedures without using contrast agent, both occurring in the extremities or non-extremities. Procedures were limited to those that occurred in the outpatient care setting. Please see Appendix B for a list of Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) procedure codes used to define MRI and MRA procedures in this request.

Cohort Eligibility Criteria: Those included in the cohort were required to be continuously enrolled in health plans with medical and drug coverage for at least 6 months (183 days) before their MRI or MRA exposure, during which gaps in coverage of up to 45 days were allowed. All valid exposures were retained. The following age groups were included in the cohort: 2-17, 18-44, 45-64, and 65+ years.

Cohort Exclusion Criteria: Individuals were required to have no evidence of any MRI or MRA in any care setting in the 6 months (183 days) prior to their first qualifying exposure (index) date. Patients who had a head MRI or MRA on the same day as a qualifying exposure were also excluded. Additionally, patients who had at least one of the following conditions in the 6 months (183 days) prior to the exposure of interest were excluded: epilepsy, convulsions, acute myocardial infarction, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, non-contrast head MRI or MRA, drug dependency, or brain compression. Exclusions could occur in any care setting and were defined using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis codes, International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-10-CM) diagnosis codes, CPT-4 procedure codes, and HCPCS procedure codes. In addition, patients with a history of epilepsy in the 6 months (183 days) prior to the exposure of interest were excluded. Epilepsy exclusion codes could occur in any care setting and were defined using ICD-9-CM diagnosis codes, ICD-10-CM diagnosis codes, and National Drug Codes (NDCs) for anti-epileptic medication. Please refer to Appendices C and D for lists of codes and generic drug names used to define exclusions in this request.

Baseline Characteristics: The following covariates were assessed during the baseline period: age, sex, comorbidity score, health service utilization, and any of the following conditions or medications: advanced liver disease, allergy, chronic heart failure, coronary artery bypass surgery, diabetes mellitus, hospitalized intracranial bleed, hyperlipidemia, hypertension, major surgery, metastatic cancer, peripheral vascular disease, trauma with likely immobilization, antiarrhythmic medications, antihypertensive medications, diuretics, oral antidiabetic medications, proton pump inhibitors, selective serotonin reuptake inhibitors (SSRI) or serotonin-norepinephrine reuptake inhibitors (SNRI), and statins. Occurrence of these covariates was evaluated in the 6 months (183 days) prior to the MRI or MRA exposure. Please refer to Appendices E and F for lists of codes and generic and brand drug names used to define covariates in this request.

Risk and Control Windows: The risk window was on the day of MRI or MRA exposure (day 0) and the control window was assessed from 1 to 42 days following the MRI or MRA exposure.

Outcome of Interest/Analytic Cohort: The outcome of interest was seizure. The outcome was defined using ICD-9-CM and ICD-10-CM diagnosis codes that occurred in the emergency department or the inpatient care setting in the principal diagnosis position (please refer to Appendix G for specific codes). An outcome of interest was included if the individual had no evidence of the outcome in any care setting in the six months (183 days) prior to the outcome of interest.

Sensitivity Analyses: Four sensitivity analyses were evaluated based on the main cohort examining MRI or MRA procedures with contrast agent in the outpatient setting:

- 1) MRI or MRA procedure of the non-extremities occurring only in the outpatient care setting, excluding all patients with evidence of an MRI or MRA procedure of the extremities occurring on the same day as the qualifying exposure.
- 2) MRI or MRA procedure of the extremities occurring only in the outpatient care setting, excluding all patients with evidence of an MRI or MRA procedure of the non-extremities occurring on the same day as the qualifying exposure.
- 3) MRA procedure of only the extremities or non-extremities in the outpatient care setting.
- 4) MRI or MRA procedure of the extremities or non-extremities in the outpatient care setting, excluding all patients with evidence of an MRI or MRA procedure in the emergency department or inpatient care setting occurring on the same day as the qualifying exposure.

Analysis: Relative risks and 95% confidence intervals were calculated using variable offset asymptotic logistic regression models.

Limitations: Algorithms used to define the exposure, outcomes, exclusions, and covariates are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitation in mind.

Please see Appendices H and I for the specifications of parameters used in the analyses for this request.

Notes: Please contact the e Sentinel Operations Center (info@sentinel-system.org) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinel-system.org/projects/SENTINEL/repos/sentinel-routine-querying-tool/documentation/browse>).

Table of Contents

<u>Glossary</u>	Glossary of terms for analyses using the Self-Controlled Risk Interval (SCRI) tool
<u>Table 1a</u>	Baseline Characteristics of Patients with a Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) with Contrast Agent from January 1, 2008 to November 30, 2016
<u>Table 1b</u>	Baseline Characteristics of Patients with a Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) without Contrast Agent from January 1, 2008 to November 30, 2016
<u>Table 2</u>	Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location and Exclusion Criteria
<u>Table 3</u>	Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Sex
<u>Table 4</u>	Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Age Group
<u>Table 5</u>	Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Year
<u>Table 6</u>	Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event
<u>Figure 1</u>	Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Extremity or Non-Extremity
<u>Figure 2</u>	Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Extremity or Non-Extremity - Outpatient Care Setting Only
<u>Figure 3</u>	Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Extremity
<u>Figure 4</u>	Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Non-Extremity
<u>Figure 5</u>	Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRA: Extremity or Non-Extremity
<u>Figure 6</u>	Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Non-Contrast MRI or MRA: Extremity or Non-Extremity
<u>Appendix A</u>	Data Completeness Dates and Exposure Identification Period End Dates for Each Data Partner
<u>Appendix B</u>	List of Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures in this Request

Table of Contents

<u>Appendix C</u>	List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes, International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes, Current Procedural Terminology, Fourth Edition (CPT-4) Codes, Healthcare Common Procedure Coding System (HCPCS) Procedure Codes, and Revenue Codes Used to Define Exclusions in this Request
<u>Appendix D</u>	List of Generic Drug Names Used to Define Exclusions in this Request
<u>Appendix E</u>	List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis and Procedure Codes, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis and Procedure Codes, Current Procedural Terminology, Fourth Edition (CPT-4) Procedure Codes, and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Covariates in this Request
<u>Appendix F</u>	List of Generic and Brand Names Used to Define Covariates in this Request
<u>Appendix G</u>	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 Used to Define Outcomes in this Request
<u>Appendix H</u>	Specifications for Request: cder_mpl2r_wp007_nsdv_v01 (Part One)
<u>Appendix I</u>	Specifications for Request: cder_mpl2r_wp007_nsdv_v01 (Part Two)

Glossary of Terms for Analyses Using Self-Controlled Risk Interval (SCRI) Tool*

Analytic Cohort - to be included in the analytic cohort, patients in the exposure cohort must have an incident health outcome of interest (HOI) in the risk or control window and meet all post-exposure enrollment requirements.

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). Along with the Principal Diagnosis Indicator, 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

Charlson/Elixhauser Combined Comorbidity Score - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: 01: Cohort includes only the first valid incident treatment episode during the duration of the surveillance activity; 02: Cohort includes all valid incident treatment episodes during the

Censored at Evidence of Death - indicates if risk and evaluation windows should be censored based on death date. If death and disenrollment occur on the same day, censoring will be attributed to death. interest due to the exposure.

Data Partner Data Completeness Date - determined by the surveillance team and may be based on information on specific MSDD table "completeness" from the DMQA department.

Episodes - the number of index dates (e.g., date of exposure initiation).

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

Exposure Cohort - to be included in the exposure cohort, patients must have a valid exposure of interest. Valid means that all pre-exposure enrollment, incidence, and inclusion/exclusion criteria specified by the requester are met.

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

Post-Exposure Enrollment Requirement - indicates the number of days of continuous enrollment required from exposure date to whichever is greater: the end of the risk or control window. Longer post-exposure continuous enrollment requirements can also be type required before exposure date

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

Query Start Date - binds exposure date only; available data before the query start date may be used to determine if enrollment and incidence criteria are met and evaluate inclusion/exclusion criteria and presence/absence of covariates.

Query End Date - defines the last day that a patient can contribute follow-up time to the cohort and is used to calculate the latest possible date that a patient may contribute an exposure to the cohort. exposure.

Same Day Exclusion - indicates if an exposure defined using NDCs should be excluded from consideration if more than one of the codes used to define the exposure is observed on the same day.

Surveillance Start Date - for time period 1 (i.e., the first look/evaluation for a Data Partner), this date is surveillance team defined and will often correspond to a medical product launch date.

Time period - refers to a specific look at/evaluation of the data. Requesters evaluate mutually exclusive time periods, by Data Partner, over the course of the surveillance activity.

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 outcome of interest.

**all terms may not be used in this report*

Table 1a. Baseline Characteristics of Patients with a Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) with Contrast Agent from January 1, 2008 to November 30, 2016

Characteristic¹	Number	Percent
Number of unique patients	1,708,779	100.0%
Patient Characteristics	Mean	Standard Deviation
Mean Age (years)	49.5	16
Age Group (years)	Number	Percent
2-17	89,429	5.2%
18-44	527,870	30.9%
45-64	794,012	46.5%
65+	297,468	17.4%
Sex		
Ambiguous	1	0.0%
Female	1,030,234	60.3%
Male	678,446	39.7%
Unknown	98	0.0%
Recorded History of:	Number	Percent
Advanced Liver Disease	9,802	0.6%
Allergy	225,542	13.2%
Chronic Heart Failure	45,094	2.6%
Coronary Artery Bypass Surgery	10,000	0.6%
Diabetes Mellitus	175,123	10.2%
Hospitalized Intracranial Bleed	36	0.0%
Hyperlipidemia	210,256	12.3%
Hypertension	463,701	27.1%
Major Surgery	54,308	3.2%
Metastatic Cancer	42,787	2.5%
Peripheral Vascular Disease	69,057	4.0%
Trauma with Likely Immobilization	39,832	2.3%
	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	0.5	1.3
History of Use:	Number	Percent
Antiarrhythmic Medications	12,515	0.7%
Antihypertensive Medications	351,479	20.6%
Diuretics	147,038	8.6%
Oral Antidiabetic Medications	107,862	6.3%
Proton Pump Inhibitors	211,362	12.4%
SSRI or SNRI	214,382	12.5%
Statins	305,892	17.9%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	8.6	7.9
Mean number of emergency room encounters (ED)	0.2	0.6
Mean number of inpatient hospital encounters (IP)	0.1	0.3
Mean number of non-acute institutional encounters (IS)	0	0.2
Mean number of other ambulatory encounters (OA)	2	3.8
Mean number of filled RX	9.3	10.5
Mean number of generics	4.3	3.8
Mean number of unique drug classes	4	3.5

¹All metrics are based on total number of episodes per group

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

Table 1b. Baseline Characteristics of Patients with a Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) without Contrast Agent from January 1, 2008 to November 30, 2016

Characteristic¹	Number	Percent
Number of unique patients	6,714,901	100.0%
Patient Characteristics	Mean	Standard Deviation
Mean Age (years)	47.3	16.7
Age Group (years)	Number	Percent
2-17	521,959	7.8%
18-44	2,247,636	33.5%
45-64	2,947,174	43.9%
65+	998,132	14.9%
Sex		
Ambiguous	1	0.0%
Female	3,479,031	51.8%
Male	3,235,486	48.2%
Unknown	383	0.0%
Recorded History of:	Number	Percent
Advanced Liver Disease	4,343	0.1%
Allergy	813,083	12.1%
Chronic Heart Failure	91,113	1.4%
Coronary Artery Bypass Surgery	28,122	0.4%
Diabetes Mellitus	609,846	9.1%
Hospitalized Intracranial Bleed	33	0.0%
Hyperlipidemia	744,789	11.1%
Hypertension	1,621,198	24.1%
Major Surgery	99,283	1.5%
Metastatic Cancer	18,072	0.3%
Peripheral Vascular Disease	154,257	2.3%
Trauma with Likely Immobilization	194,715	2.9%
	Mean	Standard Deviation
Charlson/Elixhauser Combined Comorbidity Score ²	0.1	0.8
History of Use:	Number	Percent
Antiarrhythmic Medications	30,727	0.5%
Antihypertensive Medications	1,275,437	19.0%
Diuretics	497,202	7.4%
Oral Antidiabetic Medications	392,965	5.9%
Proton Pump Inhibitors	695,996	10.4%
SSRI or SNRI	773,972	11.5%
Statins	1,161,427	17.3%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7	6.8
Mean number of emergency room encounters (ED)	0.2	0.5
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.2
Mean number of other ambulatory encounters (OA)	1.3	2.9
Mean number of filled RX	8.4	9.9
Mean number of generics	3.9	3.6
Mean number of unique drug classes	3.7	3.3

¹All metrics are based on total number of episodes per group

²The Charlson/Elixhauser Combined Comorbidity Score is calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (index date).

Table 2. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location and Exclusion Criteria

	Exposure Cohort		Analysis Cohort		Number of Events		Estimate (95% Confidence Interval)
	Number of Patients	Number of Index Dates	Number of Patients	Number of Index Dates	Risk Window	Control Window	
Contrast MRI or MRA							
Extremity or Non-Extremity	1,708,779	1,991,158	316	317	25	292	3.49 (2.32, 5.25)
Extremity or Non-Extremity - Outpatient Care Setting Only	1,703,170	1,984,870	306	307	17	290	2.38 (1.46, 3.89)
Non-Extremity	1,210,037	1,445,364	245	246	21	225	3.85 (2.46, 6.03)
Extremity	507,944	535,838	70	70	4	66	2.35 (0.86, 6.47)
Constrast MRA							
Extremity or Non-Extremity	57,705	63,919	13	13	3	10	12.60 (3.47, 45.78)
Non-Contrast MRI/MRA							
Extremity or Non-Extremity	6,714,901	7,955,932	1,150	1,152	87	1,065	3.35 (2.69, 4.16)

Table 3. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Sex

	Exposure Cohort		Analysis Cohort		Number of Events	
	Number of Patients	Number of Index Dates	Number of Patients	Number of Index Dates	Risk Window	Control Window
Contrast MRI or MRA: Extremity or Non-Extremity						
Female	1,030,234	1,231,348	170	170	11	159
Male	678,446	759,680	146	147	14	133
Unknown	99	130	0	0	0	0
Contrast MRI or MRA: Extremity or Non-Extremity - Outpatient Care Setting Only						
Female	1,027,244	1,227,969	166	166	8	158
Male	675,827	756,771	140	141	9	132
Unknown	99	130	0	0	0	0
Contrast MRI or MRA: Extremity						
Female	234,914	247,519	37	37	3	34
Male	273,001	288,286	33	33	1	32
Unknown	29	33	0	0	0	0
Contrast MRI or MRA: Non-Extremity						
Female	802,112	978,633	132	132	8	124
Male	407,852	466,634	113	114	13	101
Unknown	73	97	0	0	0	0
Contrast MRA: Extremity or Non-Extremity						
Female	26,875	29,224	6	6	1	5
Male	30,829	34,694	7	7	2	5
Unknown	1	1	0	0	0	0
Non-Contrast MRI or MRA: Extremity or Non-Extremity						
Female	3,479,031	4,136,852	608	609	34	575
Male	3,235,486	3,818,599	542	543	53	490
Unknown	384	481	0	0	0	0

Table 4. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Age Group

	Exposure Cohort		Analysis Cohort		Number of Events	
	Number of Patients	Number of Index Dates	Number of Patients	Number of Index Dates	Risk Window	Control Window
Contrast MRI or MRA: Extremity or Non-Extremity						
2-17 years	89,429	95,990	29	29	5	24
18-44 years	530,543	591,344	89	89	6	83
45-64 years	804,494	952,810	145	146	11	135
65+ years	303,708	351,014	53	53	3	50
Contrast MRI or MRA: Extremity or Non-Extremity - Outpatient Care Setting Only						
2-17 years	89,089	95,629	28	28	4	24
18-44 years	528,921	589,593	87	87	5	82
45-64 years	802,452	950,481	140	141	7	134
65+ years	302,051	349,167	51	51	1	50
Contrast MRI or MRA: Extremity						
2-17 years	60,980	64,107	15	15	3	12
18-44 years	206,616	216,735	24	24	0	24
45-64 years	192,465	201,472	23	23	1	22
65+ years	50,994	53,524	8	8	0	8
Contrast MRI or MRA: Non-Extremity						
2-17 years	28,317	31,250	14	14	2	12
18-44 years	326,010	372,853	65	65	6	59
45-64 years	617,603	747,374	121	122	10	112
65+ years	252,726	293,887	45	45	3	42
Contrast MRA: Extremity or Non-Extremity						
2-17 years	4,941	5,401	1	1	0	1
18-44 years	12,701	13,956	2	2	1	1
45-64 years	20,295	22,505	8	8	2	6
65+ years	20,165	22,057	2	2	0	2
Non-Contrast MRI or MRA: Extremity or Non-Extremity						
2-17 years	521,959	584,211	85	86	11	75
18-44 years	2,274,127	2,561,974	507	507	38	469
45-64 years	3,001,278	3,563,977	402	403	23	380
65+ years	1,032,751	1,245,770	156	156	15	141

Table 5. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Year

	Exposure Cohort		Analysis Cohort		Number of Events	
	Number of Patients	Number of Index Dates	Number of Patients	Number of Index Dates	Risk Window	Control Window
Contrast MRI or MRA: Extremity or Non-Extremity						
2008	187,924	189,633	17	17	0	17
2009	242,308	245,501	42	42	1	41
2010	227,426	230,227	35	35	2	33
2011	229,446	232,243	36	36	3	33
2012	234,896	237,788	47	47	3	44
2013	243,354	246,466	42	42	5	37
2014	242,605	245,569	47	47	7	40
2015	243,095	246,001	36	36	1	35
2016	117,529	117,730	15	15	3	12
Contrast MRI or MRA: Extremity or Non-Extremity - Outpatient Care Setting Only						
2008	187,431	189,135	17	17	0	17
2009	241,666	244,856	42	42	1	41
2010	226,782	229,576	33	33	0	33
2011	228,806	231,600	34	34	1	33
2012	234,167	237,054	47	47	3	44
2013	242,567	245,669	41	41	5	36
2014	241,680	244,636	43	43	3	40
2015	242,159	245,057	36	36	1	35
2016	117,086	117,287	14	14	3	11
Contrast MRI or MRA: Extremity						
2008	48,758	48,935	2	2	0	2
2009	65,306	65,665	10	10	0	10
2010	63,336	63,662	7	7	0	7
2011	63,465	63,777	4	4	0	4
2012	64,956	65,313	10	10	2	8
2013	67,611	67,996	9	9	1	8
2014	65,889	66,258	11	11	0	11
2015	63,655	63,973	12	12	1	11
2016	30,225	30,259	5	5	0	5
Contrast MRI or MRA: Non-Extremity						
2008	137,846	139,304	15	15	0	15
2009	175,635	178,287	32	32	1	31
2010	162,934	165,246	28	28	2	26
2011	165,007	167,348	32	32	3	29
2012	169,050	171,371	37	37	1	36
2013	174,921	177,466	33	33	4	29
2014	175,840	178,276	36	36	7	29
2015	178,640	181,058	23	23	0	23
2016	86,855	87,008	10	10	3	7

Table 5. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Year

	Exposure Cohort		Analysis Cohort		Number of Events	
	Number of Patients	Number of Index Dates	Number of Patients	Number of Index Dates	Risk Window	Control Window
Contrast MRA: Extremity or Non-Extremity						
2008	7,959	7,986	0	0	0	0
2009	9,039	9,079	2	2	0	2
2010	8,016	8,058	0	0	0	0
2011	7,566	7,611	2	2	0	2
2012	7,388	7,432	3	3	1	2
2013	7,216	7,261	3	3	1	2
2014	7,016	7,051	0	0	0	0
2015	6,458	6,492	1	1	0	1
2016	2,947	2,949	2	2	1	1
Non-Contrast MRI or MRA: Extremity or Non-Extremity						
2008	823,214	829,336	94	94	8	86
2009	1,044,804	1,056,460	139	139	3	136
2010	980,518	991,341	126	126	9	117
2011	960,584	971,816	163	163	7	156
2012	953,339	964,134	153	153	16	137
2013	933,693	944,281	150	150	11	139
2014	896,109	905,665	138	138	17	121
2015	863,818	873,244	127	127	9	118
2016	419,143	419,655	62	62	7	55

Table 6. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event

Time to Event Value (Days)	Number of Index Dates in Analysis Cohort
Contrast MRI or MRA: Extremity or Non-Extremity	
0	25
1	9
2	6
3	6
4	12
5	4
6	10
7	7
8	6
9	9
10	3
11	10
12	7
13	10
14	13
15	2
16	7
17	7
18	5
19	10
20	7
21	4
22	4
23	6
24	7
25	9
26	11
27	8
28	12
29	8
30	5
31	7
32	7
33	5
34	5
35	4
36	5
37	4
38	7
39	7
40	5
41	6
42	6

Table 6. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event

Time to Event Value (Days)	Number of Index Dates in Analysis Cohort
Contrast MRI or MRA: Extremity or Non-Extremity - Outpatient Care Setting Only	
0	17
1	9
2	6
3	6
4	11
5	4
6	10
7	7
8	6
9	9
10	3
11	10
12	7
13	10
14	13
15	2
16	7
17	7
18	5
19	10
20	7
21	4
22	4
23	6
24	7
25	9
26	11
27	8
28	12
29	8
30	5
31	7
32	7
33	5
34	5
35	4
36	5
37	4
38	6
39	7
40	5
41	6
42	6

Table 6. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event

Time to Event Value (Days)	Number of Index Dates in Analysis Cohort
Contrast MRI or MRA: Extremity	
0	4
1	4
2	0
3	1
4	3
5	1
6	1
7	1
8	0
9	5
10	0
11	0
12	2
13	2
14	3
15	0
16	2
17	2
18	3
19	5
20	3
21	1
22	1
23	2
24	1
25	1
26	2
27	1
28	2
29	1
30	0
31	3
32	2
33	2
34	0
35	1
36	2
37	0
38	1
39	2
40	1
41	1
42	1

Table 6. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event

Time to Event Value (Days)	Number of Index Dates in Analysis Cohort
Contrast MRI or MRA: Non-Extremity	
0	21
1	5
2	6
3	5
4	9
5	3
6	9
7	6
8	6
9	4
10	3
11	10
12	5
13	8
14	10
15	2
16	5
17	5
18	2
19	5
20	4
21	3
22	3
23	4
24	5
25	8
26	9
27	7
28	10
29	7
30	5
31	4
32	5
33	3
34	5
35	3
36	3
37	4
38	6
39	5
40	4
41	5
42	5

Table 6. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event

Time to Event Value (Days)	Number of Index Dates in Analysis Cohort
Contrast MRA: Extremity or Non-Extremity	
0	3
1	0
2	0
3	1
4	0
5	0
6	1
7	1
8	0
9	0
10	0
11	0
12	1
13	0
14	0
15	0
16	0
17	0
18	1
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	1
29	0
30	1
31	1
32	0
33	0
34	0
35	0
36	0
37	0
38	1
39	0
40	0
41	0
42	1

Table 6. Summary of Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Seizures in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, by MRI or MRA Location, Exclusion Criteria, and Time to Event

Time to Event Value (Days)	Number of Index Dates in Analysis Cohort
Non-Contrast MRI or MRA: Extremity or Non-Extremity	
0	87
1	34
2	27
3	26
4	34
5	29
6	33
7	26
8	28
9	26
10	31
11	26
12	26
13	28
14	23
15	17
16	24
17	19
18	22
19	31
20	18
21	29
22	37
23	36
24	18
25	29
26	26
27	29
28	22
29	24
30	21
31	17
32	30
33	19
34	21
35	18
36	23
37	25
38	20
39	27
40	29
41	19
42	18

Figure 1. Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Extremity or Non-Extremity

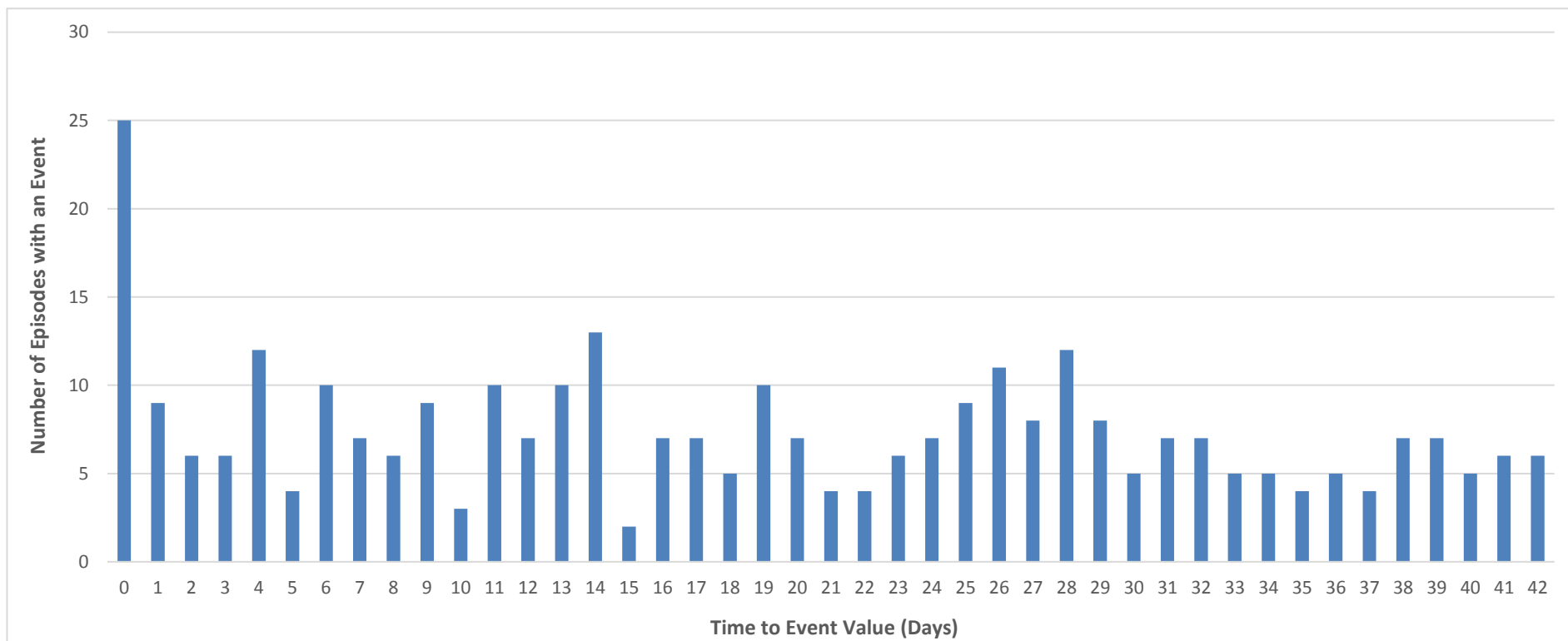


Figure 2. Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Extremity or Non-Extremity - Outpatient Care Setting Only

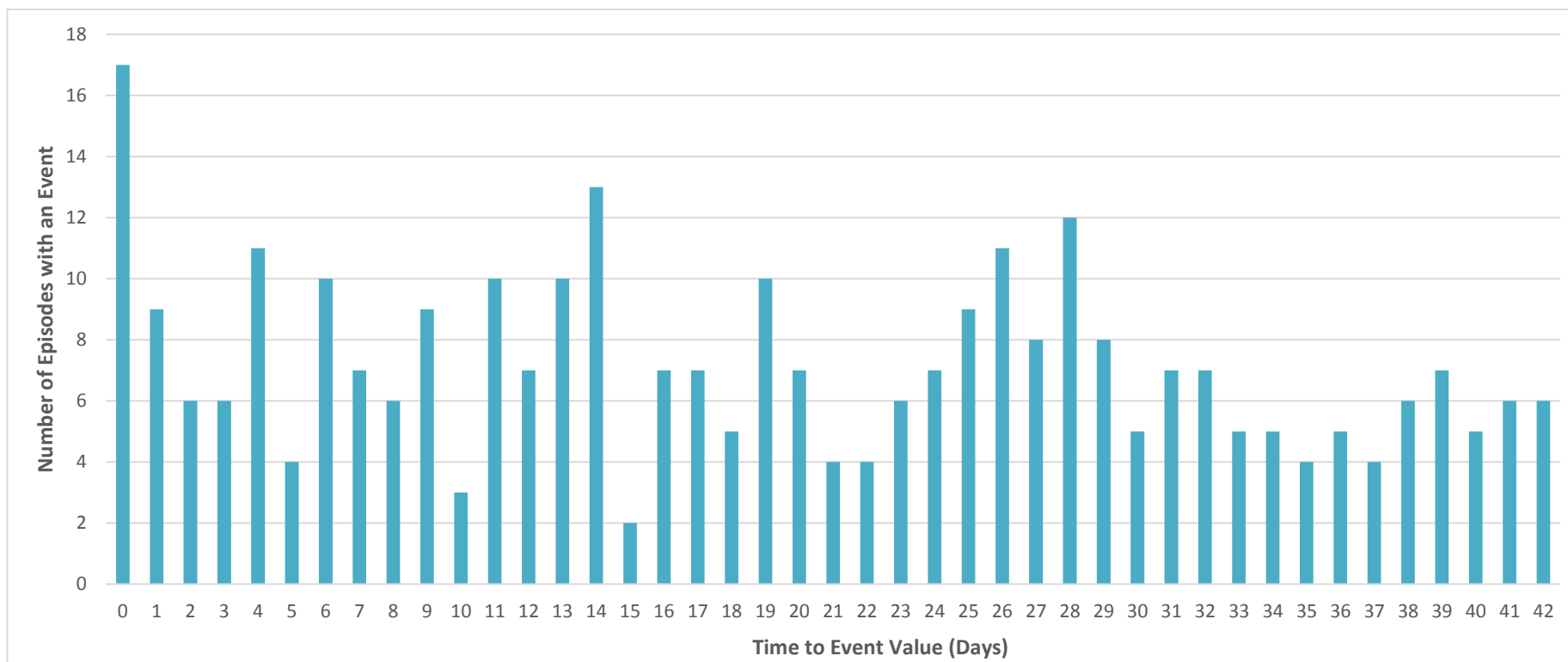


Figure 3. Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Extremity

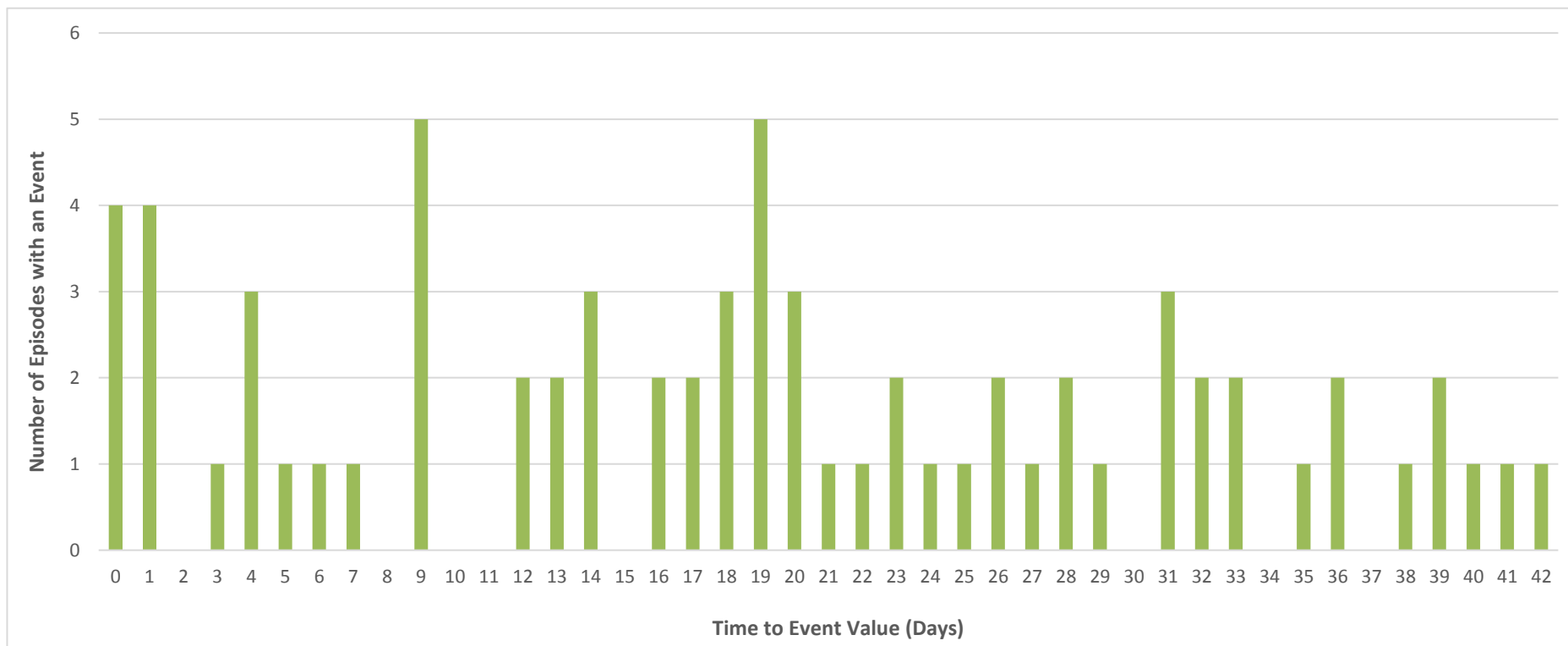


Figure 4. Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRI or MRA: Non-Extremity

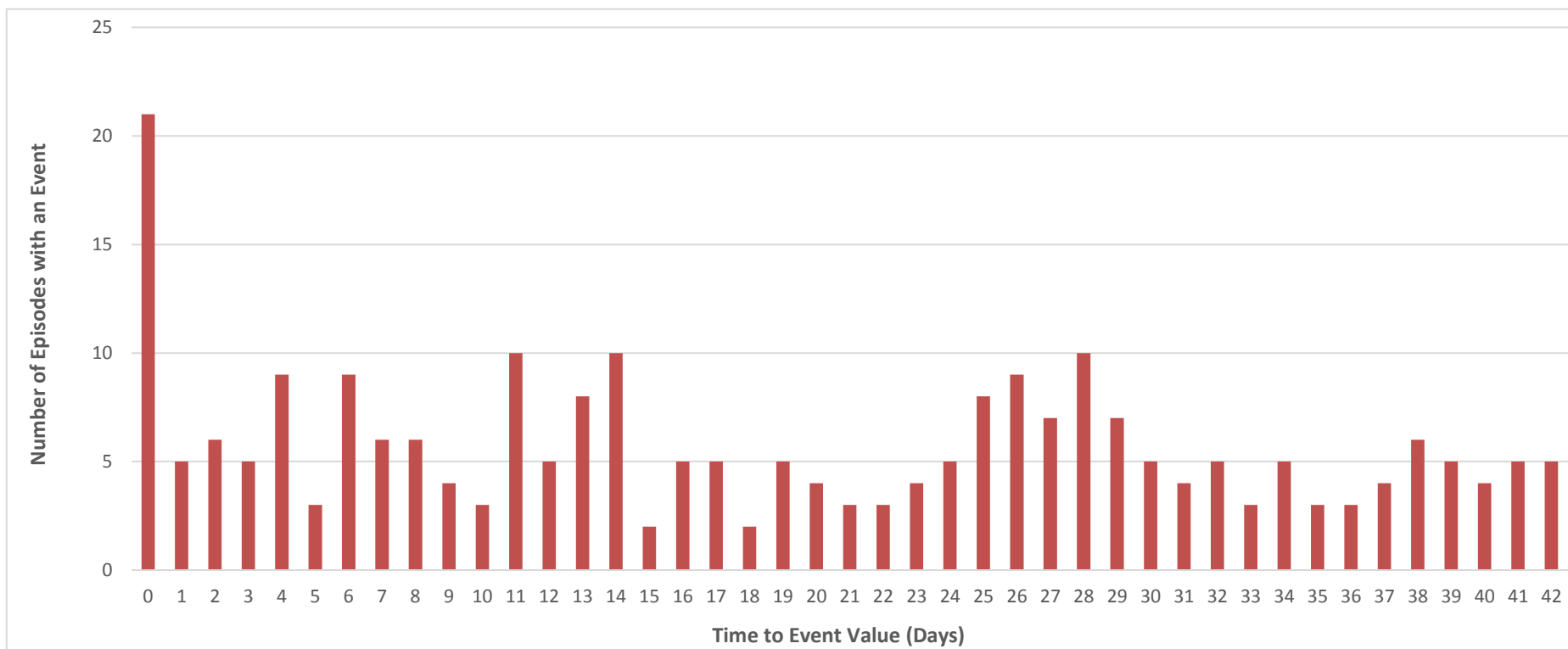


Figure 5. Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Contrast MRA: Extremity or Non-Extremity

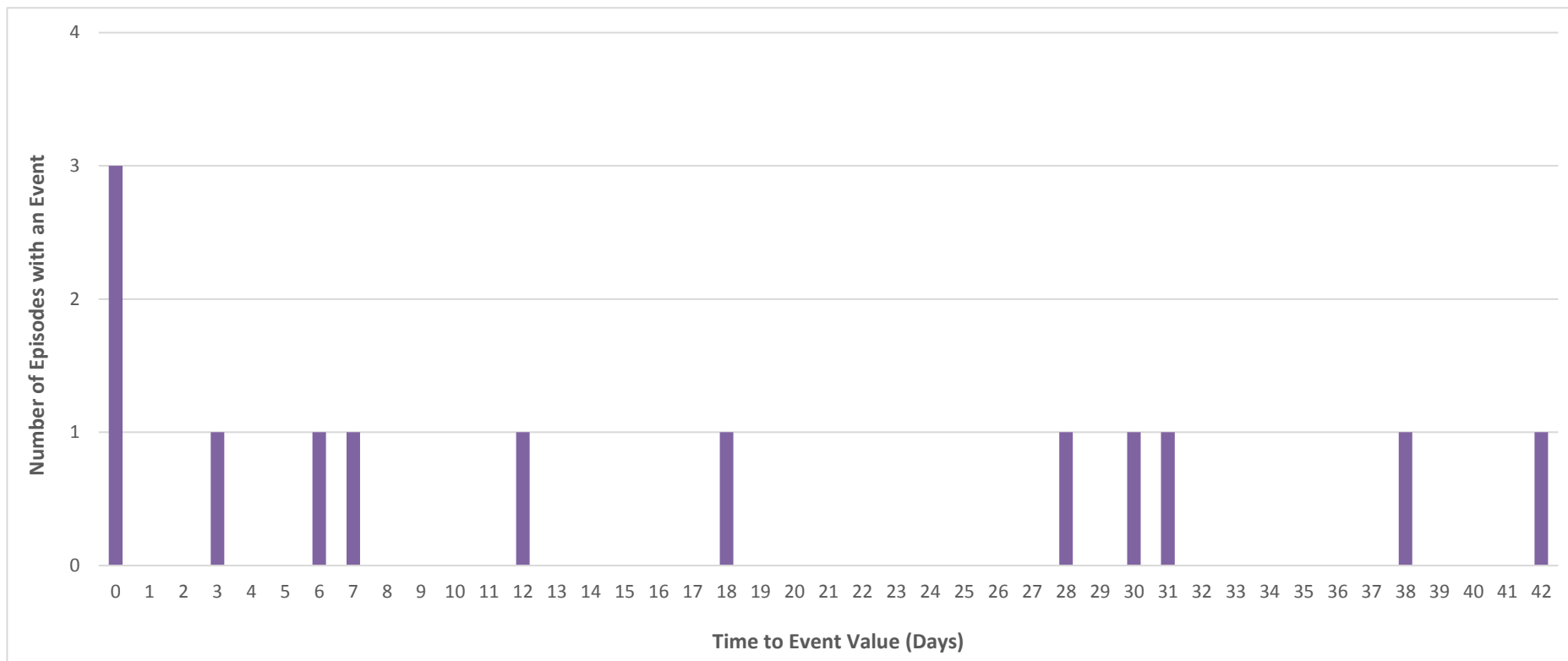
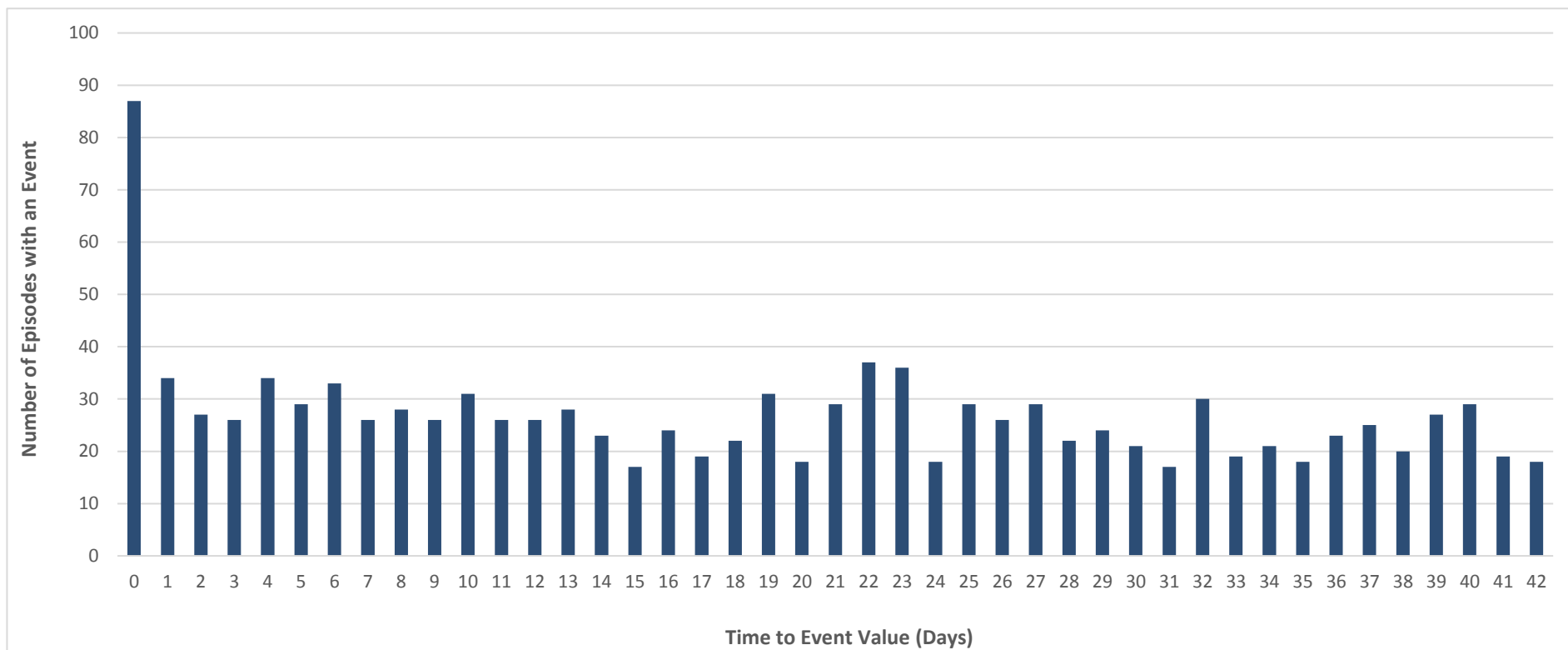


Figure 6. Incident Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) Exposures and Time to Seizure Event in the Sentinel Distributed Database between January 1, 2008 and November 30, 2016, Non-Contrast MRI or MRA: Extremity or Non-Extremity



Appendix A. Data Completeness Dates and Exposure Identification Period End Dates for Each Data Partner

Data Partner ID	Exposure Assessment Period Start Date	Exposure Assessment Period End Date	Data Partner Data Completeness Date*
DP01	January 1, 2008	October 31, 2014	December 31, 2014
DP02	January 1, 2008	October 31, 2014	December 31, 2014
DP03	January 1, 2008	October 31, 2014	December 31, 2014
DP04	January 1, 2008	October 31, 2015	December 31, 2015
DP05	January 1, 2008	April 30, 2016	June 30, 2016
DP06	January 1, 2008	April 30, 2016	June 30, 2016
DP07	January 1, 2008	May 31, 2016	July 31, 2016
DP08	January 1, 2008	June 30, 2016	August 31, 2016
DP09	January 1, 2008	June 30, 2016	August 31, 2016
DP10	January 1, 2008	June 30, 2016	August 31, 2016
DP11	January 1, 2008	June 30, 2016	August 31, 2016
DP12	January 1, 2008	September 30, 2016	November 30, 2016
DP13	January 1, 2008	September 30, 2016	November 30, 2016
DP14	January 1, 2008	September 30, 2016	November 30, 2016
DP15	January 1, 2008	August 31, 2016	October 31, 2016

* The Exposure Identification Period End Date is the Data Partner Data Completeness Date minus the required follow-up period, rounded down to the nearest complete month.

Appendix B. List of Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures in this Request

Code	Description	Code Type
Magnetic Resonance Imaging (MRI) with Contrast: Extremity		
73219	Magnetic resonance (eg, proton) imaging, upper extremity, other than joint; with contrast material(s)	CPT-4
73220	Magnetic resonance (eg, proton) imaging, upper extremity, other than joint; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
73222	Magnetic resonance (eg, proton) imaging, any joint of upper extremity; with contrast material(s)	CPT-4
73223	Magnetic resonance (eg, proton) imaging, any joint of upper extremity; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
73719	Magnetic resonance (eg, proton) imaging, lower extremity other than joint; with contrast material(s)	CPT-4
73720	Magnetic resonance (eg, proton) imaging, lower extremity other than joint; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
73722	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; with contrast material(s)	CPT-4
73723	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
MRI without Contrast: Extremity		
73218	Magnetic resonance (eg, proton) imaging, upper extremity, other than joint; without contrast material(s)	CPT-4
73221	Magnetic resonance (eg, proton) imaging, any joint of upper extremity; without contrast material(s)	CPT-4
73718	Magnetic resonance (eg, proton) imaging, lower extremity other than joint; without contrast material(s)	CPT-4
73721	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material	CPT-4
Magnetic Resonance Angiography (MRA) with Contrast: Extremity		
73225	Magnetic resonance angiography, upper extremity, with or without contrast material(s)	CPT-4
73725	Magnetic resonance angiography, lower extremity, with or without contrast material(s)	CPT-4
C8917	Magnetic Resonance Angiography Without Contrast Followed By With Contrast, Upper Extremity	HCPCS
C8934	Magnetic resonance angiography with contrast, upper extremity	HCPCS
C8936	Magnetic resonance angiography without contrast followed by with contrast, upper extremity	HCPCS
C8912	Magnetic resonance angiography with contrast, lower extremity	HCPCS
C8914	Magnetic resonance angiography without contrast followed by with contrast, lower extremity	HCPCS
MRA without Contrast: Extremity		
C8916	Magnetic Resonance Angiography Without Contrast, Upper Extremity	HCPCS
C8935	Magnetic resonance angiography without contrast, upper extremity	HCPCS
C8913	Magnetic resonance angiography without contrast, lower extremity	HCPCS

Appendix B. List of Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures in this Request

Code	Description	Code Type
MRI with Contrast: Non-Extremity		
71551	Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); with contrast material(s)	CPT-4
71552	Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
72147	Magnetic resonance (eg, proton) imaging, spinal canal and contents, thoracic; with contrast material(s)	CPT-4
72149	Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; with contrast material(s)	CPT-4
72157	Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; thoracic	CPT-4
72158	Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; lumbar	CPT-4
72196	Magnetic resonance (eg, proton) imaging, pelvis; with contrast material(s)	CPT-4
72197	Magnetic resonance (eg, proton) imaging, pelvis; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
74182	Magnetic resonance (eg, proton) imaging, abdomen; with contrast material(s)	CPT-4
74183	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s), followed by with contrast material(s) and further sequences	CPT-4
75561	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences;	CPT-4
75562	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences; with flow/velocity quantification	CPT-4
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences; with stress imaging	CPT-4
75564	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences; with flow/velocity quantification and stress	CPT-4
72142	Magnetic resonance (eg, proton) imaging, spinal canal and contents, cervical; with contrast material(s)	CPT-4
72156	Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical	CPT-4
77058	Magnetic resonance imaging, breast, without and/or with contrast material(s); unilateral	CPT-4
77059	Magnetic resonance imaging, breast, without and/or with contrast material(s); bilateral	CPT-4
75553	Cardiac magnetic resonance imaging for morphology; with contrast material	CPT-4
MRI without Contrast: Non-Extremity		
71550	Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)	CPT-4
72146	Magnetic resonance (eg, proton) imaging, spinal canal and contents, thoracic; without contrast material	CPT-4
72148	Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; without contrast material	CPT-4

Appendix B. List of Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures in this Request

Code	Description	Code Type
72195	Magnetic resonance (eg, proton) imaging, pelvis; without contrast material(s)	CPT-4
74181	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s)	CPT-4
75557	Cardiac magnetic resonance imaging for morphology and function without contrast material;	CPT-4
75558	Cardiac magnetic resonance imaging for morphology and function without contrast material; with flow/velocity quantification	CPT-4
75559	Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging	CPT-4
75560	Cardiac magnetic resonance imaging for morphology and function without contrast material; with flow/velocity quantification and stress	CPT-4
72141	Magnetic resonance (eg, proton) imaging, spinal canal and contents, cervical; without contrast material	CPT-4
70336	Magnetic resonance (eg, proton) imaging, temporomandibular joint(s)	CPT-4
74712	Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; single or first gestation	CPT-4
74713	Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; each additional gestation (List separately in addition to code for primary procedure)	CPT-4
75552	Cardiac magnetic resonance imaging for morphology; without contrast material	CPT-4
MRA with Contrast: Non-Extremity		
70548	Magnetic resonance angiography, neck; with contrast material(s)	CPT-4
70549	Magnetic resonance angiography, neck; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
71555	Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)	CPT-4
72159	Magnetic resonance angiography, spinal canal and contents, with or without contrast material(s)	CPT-4
72198	Magnetic resonance angiography, pelvis, with or without contrast material(s)	CPT-4
C8920	Magnetic resonance angiography without contrast followed by with contrast, pelvis	HCPCS
C8931	Magnetic resonance angiography with contrast, spinal canal and contents	HCPCS
C8933	Magnetic resonance angiography without contrast followed by with contrast, spinal canal and contents	HCPCS
C8909	Magnetic resonance angiography with contrast, chest (excluding myocardium)	HCPCS
C8911	Magnetic resonance angiography without contrast followed by with contrast, chest (excluding myocardium)	HCPCS
C8918	Magnetic resonance angiography with contrast, pelvis	HCPCS
C8900	Magnetic resonance angiography with contrast, abdomen	HCPCS
C8902	Magnetic resonance angiography without contrast followed by with contrast, abdomen	HCPCS
MRA without Contrast: Non-Extremity		
70547	Magnetic resonance angiography, neck; without contrast material(s)	CPT-4
C8919	Magnetic resonance angiography without contrast, pelvis	HCPCS
C8932	Magnetic resonance angiography without contrast, spinal canal and contents	HCPCS
C8910	Magnetic resonance angiography without contrast, chest (excluding myocardium)	HCPCS
C8901	Magnetic resonance angiography without contrast, abdomen	HCPCS

Appendix B. List of Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Exposures in this Request

Code	Description	Code Type
MRI with Contrast: Head		
70552	Magnetic resonance (eg, proton) imaging, brain (including brain stem); with contrast material(s)	CPT-4
70558	Magnetic resonance (eg, proton) imaging, brain (including brain stem and skull base), during open intracranial procedure (eg, to assess for residual tumor or residual vascular malformation); with contrast material(s)	CPT-4
70553	Magnetic resonance (eg, proton) imaging, brain (including brain stem); without contrast material, followed by contrast material(s) and further sequences	CPT-4
70559	Magnetic resonance (eg, proton) imaging, brain (including brain stem and skull base), during open intracranial procedure (eg, to assess for residual tumor or residual vascular malformation); without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
70542	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; with contrast material(s)	CPT-4
70543	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
MRI without Contrast: Head		
70551	Magnetic resonance (eg, proton) imaging, brain (including brain stem); without contrast material	CPT-4
70554	Magnetic resonance imaging, brain, functional MRI; including test selection and administration of repetitive body part movement and/or visual stimulation, not requiring physician or psychologist administration	CPT-4
70555	Magnetic resonance imaging, brain, functional MRI; requiring physician or psychologist administration of entire neurofunctional testing	CPT-4
70557	Magnetic resonance (eg, proton) imaging, brain (including brain stem and skull base), during open intracranial procedure (eg, to assess for residual tumor or residual vascular malformation); without contrast material	CPT-4
70540	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; without contrast material(s)	CPT-4
D0369	maxillofacial MRI capture and interpretation	HCPCS
D0385	maxillofacial MRI image capture	HCPCS
76390	Magnetic resonance spectroscopy	CPT-4
MRA with Contrast: Head		
70546	Magnetic resonance angiography, head; without contrast material(s), followed by contrast material(s) and further sequences	CPT-4
70545	Magnetic resonance angiography, head; with contrast material(s)	CPT-4
MRA without Contrast: Head		
70544	Magnetic resonance angiography, head; without contrast material(s)	CPT-4

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

Code	Description	Code Type	Code Category
Alzheimer's Disease			
331.0	Alzheimer's disease	ICD-9-CM	Diagnosis
G30.0	Alzheimer's disease with early onset	ICD-10-CM	Diagnosis
G30.1	Alzheimer's disease with late onset	ICD-10-CM	Diagnosis
G30.8	Other Alzheimer's disease	ICD-10-CM	Diagnosis
G30.9	Alzheimer's disease, unspecified	ICD-10-CM	Diagnosis
Acute Myocardial Infarction			
410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	ICD-9-CM	Diagnosis
410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	ICD-9-CM	Diagnosis
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	ICD-9-CM	Diagnosis
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	ICD-9-CM	Diagnosis
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	ICD-9-CM	Diagnosis
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	ICD-9-CM	Diagnosis
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	ICD-9-CM	Diagnosis
410.60	Acute myocardial infarction, true posterior wall infarction, episode of care unspecified	ICD-9-CM	Diagnosis
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	ICD-9-CM	Diagnosis
410.70	Acute myocardial infarction, subendocardial infarction, episode of care unspecified	ICD-9-CM	Diagnosis
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	ICD-9-CM	Diagnosis
410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	ICD-9-CM	Diagnosis
410.81	Acute myocardial infarction of other specified sites, initial episode of care	ICD-9-CM	Diagnosis
410.90	Acute myocardial infarction, unspecified site, episode of care unspecified	ICD-9-CM	Diagnosis
410.91	Acute myocardial infarction, unspecified site, initial episode of care	ICD-9-CM	Diagnosis
410	Acute myocardial infarction	ICD-9-CM	Diagnosis
410.0	Acute myocardial infarction of anterolateral wall	ICD-9-CM	Diagnosis
410.02	Acute myocardial infarction of anterolateral wall, subsequent episode of care	ICD-9-CM	Diagnosis
410.1	Acute myocardial infarction of other anterior wall	ICD-9-CM	Diagnosis
410.12	Acute myocardial infarction of other anterior wall, subsequent episode of care	ICD-9-CM	Diagnosis
410.2	Acute myocardial infarction of inferolateral wall	ICD-9-CM	Diagnosis
410.22	Acute myocardial infarction of inferolateral wall, subsequent episode of care	ICD-9-CM	Diagnosis
410.3	Acute myocardial infarction of inferoposterior wall	ICD-9-CM	Diagnosis
410.32	Acute myocardial infarction of inferoposterior wall, subsequent episode of care	ICD-9-CM	Diagnosis
410.4	Acute myocardial infarction of other inferior wall	ICD-9-CM	Diagnosis
410.42	Acute myocardial infarction of other inferior wall, subsequent episode of care	ICD-9-CM	Diagnosis
410.5	Acute myocardial infarction of other lateral wall	ICD-9-CM	Diagnosis
410.52	Acute myocardial infarction of other lateral wall, subsequent episode of care	ICD-9-CM	Diagnosis
410.6	Acute myocardial infarction, true posterior wall infarction	ICD-9-CM	Diagnosis
410.62	Acute myocardial infarction, true posterior wall infarction, subsequent episode of care	ICD-9-CM	Diagnosis
410.7	Acute myocardial infarction, subendocardial infarction	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
410.72	Acute myocardial infarction, subendocardial infarction, subsequent episode of care	ICD-9-CM	Diagnosis
410.8	Acute myocardial infarction of other specified sites	ICD-9-CM	Diagnosis
410.82	Acute myocardial infarction of other specified sites, subsequent episode of care	ICD-9-CM	Diagnosis
410.9	Acute myocardial infarction, unspecified site	ICD-9-CM	Diagnosis
410.92	Acute myocardial infarction, unspecified site, subsequent episode of care	ICD-9-CM	Diagnosis
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	ICD-10-CM	Diagnosis
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	ICD-10-CM	Diagnosis
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	ICD-10-CM	Diagnosis
I21.29	ST elevation (STEMI) myocardial infarction involving other sites	ICD-10-CM	Diagnosis
I21.4	Non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM	Diagnosis
I21.3	ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM	Diagnosis
I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery	ICD-10-CM	Diagnosis
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	ICD-10-CM	Diagnosis
I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall	ICD-10-CM	Diagnosis
I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall	ICD-10-CM	Diagnosis
I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites	ICD-10-CM	Diagnosis
I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM	Diagnosis
I22.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM	Diagnosis
I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery	ICD-10-CM	Diagnosis
I25.2	Old myocardial infarction	ICD-10-CM	Diagnosis
I22	Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM	Diagnosis
I23.0	Hemopericardium as current complication following acute myocardial infarction	ICD-10-CM	Diagnosis
I23.6	Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction	ICD-10-CM	Diagnosis
I23.3	Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction	ICD-10-CM	Diagnosis
I21.1	ST elevation (STEMI) myocardial infarction of inferior wall	ICD-10-CM	Diagnosis
I23.8	Other current complications following acute myocardial infarction	ICD-10-CM	Diagnosis
I23.5	Rupture of papillary muscle as current complication following acute myocardial infarction	ICD-10-CM	Diagnosis
I23.1	Atrial septal defect as current complication following acute myocardial infarction	ICD-10-CM	Diagnosis
I23	Certain current complications following ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction (within the 28 day period)	ICD-10-CM	Diagnosis
I21.2	ST elevation (STEMI) myocardial infarction of other sites	ICD-10-CM	Diagnosis
I21	ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM	Diagnosis
I23.4	Rupture of chordae tendineae as current complication following acute myocardial infarction	ICD-10-CM	Diagnosis
I21.0	ST elevation (STEMI) myocardial infarction of anterior wall	ICD-10-CM	Diagnosis
I23.2	Ventricular septal defect as current complication following acute myocardial infarction	ICD-10-CM	Diagnosis
Autism Spectrum Disorder			

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

Code	Description	Code Type	Code Category
299	Pervasive developmental disorders	ICD-9-CM	Diagnosis
299.0	Autistic disorder	ICD-9-CM	Diagnosis
299.00	Autistic disorder, current or active state	ICD-9-CM	Diagnosis
299.01	Autistic disorder, residual state	ICD-9-CM	Diagnosis
299.1	Childhood disintegrative disorder	ICD-9-CM	Diagnosis
299.10	Childhood disintegrative disorder, current or active state	ICD-9-CM	Diagnosis
299.11	Childhood disintegrative disorder, residual state	ICD-9-CM	Diagnosis
299.8	Other specified pervasive developmental disorders	ICD-9-CM	Diagnosis
299.80	Other specified pervasive developmental disorders, current or active state	ICD-9-CM	Diagnosis
299.81	Other specified pervasive developmental disorders, residual state	ICD-9-CM	Diagnosis
299.9	Unspecified pervasive developmental disorder	ICD-9-CM	Diagnosis
299.90	Unspecified pervasive developmental disorder, current or active state	ICD-9-CM	Diagnosis
299.91	Unspecified pervasive developmental disorder, residual state	ICD-9-CM	Diagnosis
F84.0	Autistic disorder	ICD-10-CM	Diagnosis
F84.3	Other childhood disintegrative disorder	ICD-10-CM	Diagnosis
F84.5	Asperger's syndrome	ICD-10-CM	Diagnosis
F84.8	Other pervasive developmental disorders	ICD-10-CM	Diagnosis
F84.9	Pervasive developmental disorder, unspecified	ICD-10-CM	Diagnosis
Brain Compression			
348.4	Compression of brain	ICD-9-CM	Diagnosis
G93.5	Compression of brain	ICD-10-CM	Diagnosis
Brain Tumor			
191	Malignant neoplasm of brain	ICD-9-CM	Diagnosis
191.0	Malignant neoplasm of cerebrum, except lobes and ventricles	ICD-9-CM	Diagnosis
191.1	Malignant neoplasm of frontal lobe of brain	ICD-9-CM	Diagnosis
191.2	Malignant neoplasm of temporal lobe of brain	ICD-9-CM	Diagnosis
191.3	Malignant neoplasm of parietal lobe of brain	ICD-9-CM	Diagnosis
191.4	Malignant neoplasm of occipital lobe of brain	ICD-9-CM	Diagnosis
191.5	Malignant neoplasm of ventricles of brain	ICD-9-CM	Diagnosis
191.6	Malignant neoplasm of cerebellum NOS	ICD-9-CM	Diagnosis
191.7	Malignant neoplasm of brain stem	ICD-9-CM	Diagnosis
191.8	Malignant neoplasm of other parts of brain	ICD-9-CM	Diagnosis
191.9	Malignant neoplasm of brain, unspecified site	ICD-9-CM	Diagnosis
239.6	Neoplasm of unspecified nature of brain	ICD-9-CM	Diagnosis
C71.0	Malignant neoplasm of cerebrum, except lobes and ventricles	ICD-10-CM	Diagnosis
C71.1	Malignant neoplasm of frontal lobe	ICD-10-CM	Diagnosis
C71.2	Malignant neoplasm of temporal lobe	ICD-10-CM	Diagnosis
C71.3	Malignant neoplasm of parietal lobe	ICD-10-CM	Diagnosis
C71.4	Malignant neoplasm of occipital lobe	ICD-10-CM	Diagnosis
C71.5	Malignant neoplasm of cerebral ventricle	ICD-10-CM	Diagnosis
C71.6	Malignant neoplasm of cerebellum	ICD-10-CM	Diagnosis
C71.7	Malignant neoplasm of brain stem	ICD-10-CM	Diagnosis
C71.8	Malignant neoplasm of overlapping sites of brain	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
C71.9	Malignant neoplasm of brain, unspecified	ICD-10-CM	Diagnosis
D49.6	Neoplasm of unspecified behavior of brain	ICD-10-CM	Diagnosis
Drug Dependency			
292.0	Drug withdrawal	ICD-9-CM	Diagnosis
292.11	Drug-induced psychotic disorder with delusions	ICD-9-CM	Diagnosis
292.12	Drug-induced psychotic disorder with hallucinations	ICD-9-CM	Diagnosis
292.2	Pathological drug intoxication	ICD-9-CM	Diagnosis
292.81	Drug-induced delirium	ICD-9-CM	Diagnosis
292.82	Drug-induced persisting dementia	ICD-9-CM	Diagnosis
292.83	Drug-induced persisting amnestic disorder	ICD-9-CM	Diagnosis
292.84	Drug-induced mood disorder	ICD-9-CM	Diagnosis
292.85	Drug induced sleep disorders	ICD-9-CM	Diagnosis
292.89	Other specified drug-induced mental disorder	ICD-9-CM	Diagnosis
292.9	Unspecified drug-induced mental disorder	ICD-9-CM	Diagnosis
303.91	Other and unspecified alcohol dependence, continuous	ICD-9-CM	Diagnosis
304	Drug dependence	ICD-9-CM	Diagnosis
304.0	Opioid type dependence	ICD-9-CM	Diagnosis
304.00	Opioid type dependence, unspecified	ICD-9-CM	Diagnosis
304.01	Opioid type dependence, continuous	ICD-9-CM	Diagnosis
304.02	Opioid type dependence, episodic	ICD-9-CM	Diagnosis
304.03	Opioid type dependence, in remission	ICD-9-CM	Diagnosis
304.1	Sedative, hypnotic or anxiolytic dependence	ICD-9-CM	Diagnosis
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	ICD-9-CM	Diagnosis
304.11	Sedative, hypnotic or anxiolytic dependence, continuous	ICD-9-CM	Diagnosis
304.12	Sedative, hypnotic or anxiolytic dependence, episodic	ICD-9-CM	Diagnosis
304.13	Sedative, hypnotic or anxiolytic dependence, in remission	ICD-9-CM	Diagnosis
304.2	Cocaine dependence	ICD-9-CM	Diagnosis
304.20	Cocaine dependence, unspecified	ICD-9-CM	Diagnosis
304.21	Cocaine dependence, continuous	ICD-9-CM	Diagnosis
304.22	Cocaine dependence, episodic	ICD-9-CM	Diagnosis
304.23	Cocaine dependence, in remission	ICD-9-CM	Diagnosis
304.3	Cannabis dependence	ICD-9-CM	Diagnosis
304.30	Cannabis dependence, unspecified	ICD-9-CM	Diagnosis
304.31	Cannabis dependence, continuous	ICD-9-CM	Diagnosis
304.32	Cannabis dependence, episodic	ICD-9-CM	Diagnosis
304.33	Cannabis dependence, in remission	ICD-9-CM	Diagnosis
304.4	Amphetamine and other psychostimulant dependence	ICD-9-CM	Diagnosis
304.40	Amphetamine and other psychostimulant dependence, unspecified	ICD-9-CM	Diagnosis
304.41	Amphetamine and other psychostimulant dependence, continuous	ICD-9-CM	Diagnosis
304.42	Amphetamine and other psychostimulant dependence, episodic	ICD-9-CM	Diagnosis
304.43	Amphetamine and other psychostimulant dependence, in remission	ICD-9-CM	Diagnosis
304.5	Hallucinogen dependence	ICD-9-CM	Diagnosis
304.50	Hallucinogen dependence, unspecified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
304.51	Hallucinogen dependence, continuous	ICD-9-CM	Diagnosis
304.52	Hallucinogen dependence, episodic	ICD-9-CM	Diagnosis
304.53	Hallucinogen dependence, in remission	ICD-9-CM	Diagnosis
304.6	Other specified drug dependence	ICD-9-CM	Diagnosis
304.60	Other specified drug dependence, unspecified	ICD-9-CM	Diagnosis
304.61	Other specified drug dependence, continuous	ICD-9-CM	Diagnosis
304.62	Other specified drug dependence, episodic	ICD-9-CM	Diagnosis
304.63	Other specified drug dependence, in remission	ICD-9-CM	Diagnosis
304.7	Combinations of opioid type drug with any other drug dependence	ICD-9-CM	Diagnosis
304.70	Combinations of opioid type drug with any other drug dependence, unspecified	ICD-9-CM	Diagnosis
304.71	Combinations of opioid type drug with any other drug dependence, continuous	ICD-9-CM	Diagnosis
304.72	Combinations of opioid type drug with any other drug dependence, episodic	ICD-9-CM	Diagnosis
304.73	Combinations of opioid type drug with any other drug dependence, in remission	ICD-9-CM	Diagnosis
304.8	Combinations of drug dependence excluding opioid type drug	ICD-9-CM	Diagnosis
304.80	Combinations of drug dependence excluding opioid type drug, unspecified	ICD-9-CM	Diagnosis
304.81	Combinations of drug dependence excluding opioid type drug, continuous	ICD-9-CM	Diagnosis
304.82	Combinations of drug dependence excluding opioid type drug, episodic	ICD-9-CM	Diagnosis
304.83	Combinations of drug dependence excluding opioid type drug, in remission	ICD-9-CM	Diagnosis
304.9	Unspecified drug dependence	ICD-9-CM	Diagnosis
304.90	Unspecified drug dependence, unspecified	ICD-9-CM	Diagnosis
304.91	Unspecified drug dependence, continuous	ICD-9-CM	Diagnosis
304.92	Unspecified drug dependence, episodic	ICD-9-CM	Diagnosis
304.93	Unspecified drug dependence, in remission	ICD-9-CM	Diagnosis
305	Nondependent abuse of drugs	ICD-9-CM	Diagnosis
305.2	Nondependent cannabis abuse	ICD-9-CM	Diagnosis
305.20	Nondependent cannabis abuse, unspecified	ICD-9-CM	Diagnosis
305.21	Nondependent cannabis abuse, continuous	ICD-9-CM	Diagnosis
305.22	Nondependent cannabis abuse, episodic	ICD-9-CM	Diagnosis
305.23	Nondependent cannabis abuse, in remission	ICD-9-CM	Diagnosis
305.3	Nondependent hallucinogen abuse	ICD-9-CM	Diagnosis
305.30	Nondependent hallucinogen abuse, unspecified	ICD-9-CM	Diagnosis
305.31	Nondependent hallucinogen abuse, continuous	ICD-9-CM	Diagnosis
305.32	Nondependent hallucinogen abuse, episodic	ICD-9-CM	Diagnosis
305.33	Nondependent hallucinogen abuse, in remission	ICD-9-CM	Diagnosis
305.4	Nondependent sedative, hypnotic or anxiolytic abuse	ICD-9-CM	Diagnosis
305.40	Nondependent sedative, hypnotic or anxiolytic abuse, unspecified	ICD-9-CM	Diagnosis
305.41	Nondependent sedative hypnotic or anxiolytic abuse, continuous	ICD-9-CM	Diagnosis
305.42	Nondependent sedative, hypnotic or anxiolytic abuse, episodic	ICD-9-CM	Diagnosis
305.43	Nondependent sedative, hypnotic or anxiolytic abuse, in remission	ICD-9-CM	Diagnosis
305.5	Nondependent opioid abuse	ICD-9-CM	Diagnosis
305.50	Nondependent opioid abuse, unspecified	ICD-9-CM	Diagnosis
305.51	Nondependent opioid abuse, continuous	ICD-9-CM	Diagnosis
305.52	Nondependent opioid abuse, episodic	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
305.53	Nondependent opioid abuse, in remission	ICD-9-CM	Diagnosis
305.6	Nondependent cocaine abuse	ICD-9-CM	Diagnosis
305.60	Nondependent cocaine abuse, unspecified	ICD-9-CM	Diagnosis
305.61	Nondependent cocaine abuse, continuous	ICD-9-CM	Diagnosis
305.62	Nondependent cocaine abuse, episodic	ICD-9-CM	Diagnosis
305.63	Nondependent cocaine abuse, in remission	ICD-9-CM	Diagnosis
305.7	Nondependent amphetamine or related acting sympathomimetic abuse	ICD-9-CM	Diagnosis
305.70	Nondependent amphetamine or related acting sympathomimetic abuse, unspecified	ICD-9-CM	Diagnosis
305.71	Nondependent amphetamine or related acting sympathomimetic abuse, continuous	ICD-9-CM	Diagnosis
305.72	Nondependent amphetamine or related acting sympathomimetic abuse, episodic	ICD-9-CM	Diagnosis
305.73	Nondependent amphetamine or related acting sympathomimetic abuse, in remission	ICD-9-CM	Diagnosis
305.80	Nondependent antidepressant type abuse, unspecified	ICD-9-CM	Diagnosis
305.81	Nondependent antidepressant type abuse, continuous	ICD-9-CM	Diagnosis
305.82	Nondependent antidepressant type abuse, episodic	ICD-9-CM	Diagnosis
305.83	Nondependent antidepressant type abuse, in remission	ICD-9-CM	Diagnosis
305.9	Other, mixed, or unspecified nondependent drug abuse	ICD-9-CM	Diagnosis
305.90	Other, mixed, or unspecified nondependent drug abuse, unspecified	ICD-9-CM	Diagnosis
305.91	Other, mixed, or unspecified nondependent drug abuse, continuous	ICD-9-CM	Diagnosis
305.92	Other, mixed, or unspecified nondependent drug abuse, episodic	ICD-9-CM	Diagnosis
305.93	Other, mixed, or unspecified nondependent drug abuse, in remission	ICD-9-CM	Diagnosis
648.3	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium	ICD-9-CM	Diagnosis
648.30	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	ICD-9-CM	Diagnosis
648.31	Maternal drug dependence, with delivery	ICD-9-CM	Diagnosis
648.32	Maternal drug dependence, with delivery, with current postpartum complication	ICD-9-CM	Diagnosis
648.33	Maternal drug dependence, antepartum	ICD-9-CM	Diagnosis
648.34	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	ICD-9-CM	Diagnosis
655.50	Suspected damage to fetus from drugs, affecting management of mother, unspecified as to episode of care	ICD-9-CM	Diagnosis
655.51	Suspected damage to fetus from drugs, affecting management of mother, delivered	ICD-9-CM	Diagnosis
655.53	Suspected damage to fetus from drugs, affecting management of mother, antepartum	ICD-9-CM	Diagnosis
760.72	Noxious influences affecting fetus or newborn via placenta or breast milk, narcotics	ICD-9-CM	Diagnosis
760.73	Noxious influences affecting fetus or newborn via placenta or breast milk, hallucinogenic agents	ICD-9-CM	Diagnosis
760.75	Noxious influences affecting fetus or newborn via placenta or breast milk, cocaine	ICD-9-CM	Diagnosis
779.5	Drug withdrawal syndrome in newborn	ICD-9-CM	Diagnosis
965.00	Poisoning by opium (alkaloids), unspecified	ICD-9-CM	Diagnosis
965.01	Poisoning by heroin	ICD-9-CM	Diagnosis
965.02	Poisoning by methadone	ICD-9-CM	Diagnosis
965.09	Poisoning by opiates and related narcotics, other	ICD-9-CM	Diagnosis
V65.42	Counseling on substance use and abuse	ICD-9-CM	Diagnosis
F10.20	Alcohol dependence, uncomplicated	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F11.10	Opioid abuse, uncomplicated	ICD-10-CM	Diagnosis
F11.120	Opioid abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F11.121	Opioid abuse with intoxication delirium	ICD-10-CM	Diagnosis
F11.122	Opioid abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F11.129	Opioid abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F11.14	Opioid abuse with opioid-induced mood disorder	ICD-10-CM	Diagnosis
F11.150	Opioid abuse with opioid-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F11.151	Opioid abuse with opioid-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F11.159	Opioid abuse with opioid-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F11.181	Opioid abuse with opioid-induced sexual dysfunction	ICD-10-CM	Diagnosis
F11.182	Opioid abuse with opioid-induced sleep disorder	ICD-10-CM	Diagnosis
F11.188	Opioid abuse with other opioid-induced disorder	ICD-10-CM	Diagnosis
F11.19	Opioid abuse with unspecified opioid-induced disorder	ICD-10-CM	Diagnosis
F11.20	Opioid dependence, uncomplicated	ICD-10-CM	Diagnosis
F11.21	Opioid dependence, in remission	ICD-10-CM	Diagnosis
F11.220	Opioid dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F11.221	Opioid dependence with intoxication delirium	ICD-10-CM	Diagnosis
F11.222	Opioid dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F11.229	Opioid dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F11.23	Opioid dependence with withdrawal	ICD-10-CM	Diagnosis
F11.24	Opioid dependence with opioid-induced mood disorder	ICD-10-CM	Diagnosis
F11.250	Opioid dependence with opioid-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F11.251	Opioid dependence with opioid-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F11.259	Opioid dependence with opioid-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F11.281	Opioid dependence with opioid-induced sexual dysfunction	ICD-10-CM	Diagnosis
F11.282	Opioid dependence with opioid-induced sleep disorder	ICD-10-CM	Diagnosis
F11.288	Opioid dependence with other opioid-induced disorder	ICD-10-CM	Diagnosis
F11.29	Opioid dependence with unspecified opioid-induced disorder	ICD-10-CM	Diagnosis
F11.90	Opioid use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F11.920	Opioid use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F11.921	Opioid use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F11.922	Opioid use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F11.929	Opioid use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F11.93	Opioid use, unspecified with withdrawal	ICD-10-CM	Diagnosis
F11.94	Opioid use, unspecified with opioid-induced mood disorder	ICD-10-CM	Diagnosis
F11.950	Opioid use, unspecified with opioid-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F11.951	Opioid use, unspecified with opioid-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F11.959	Opioid use, unspecified with opioid-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F11.981	Opioid use, unspecified with opioid-induced sexual dysfunction	ICD-10-CM	Diagnosis
F11.982	Opioid use, unspecified with opioid-induced sleep disorder	ICD-10-CM	Diagnosis
F11.988	Opioid use, unspecified with other opioid-induced disorder	ICD-10-CM	Diagnosis
F11.99	Opioid use, unspecified with unspecified opioid-induced disorder	ICD-10-CM	Diagnosis
F12.10	Cannabis abuse, uncomplicated	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F12.120	Cannabis abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F12.121	Cannabis abuse with intoxication delirium	ICD-10-CM	Diagnosis
F12.122	Cannabis abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F12.129	Cannabis abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F12.150	Cannabis abuse with psychotic disorder with delusions	ICD-10-CM	Diagnosis
F12.151	Cannabis abuse with psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F12.159	Cannabis abuse with psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F12.180	Cannabis abuse with cannabis-induced anxiety disorder	ICD-10-CM	Diagnosis
F12.188	Cannabis abuse with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.19	Cannabis abuse with unspecified cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.20	Cannabis dependence, uncomplicated	ICD-10-CM	Diagnosis
F12.21	Cannabis dependence, in remission	ICD-10-CM	Diagnosis
F12.220	Cannabis dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F12.221	Cannabis dependence with intoxication delirium	ICD-10-CM	Diagnosis
F12.222	Cannabis dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F12.229	Cannabis dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F12.250	Cannabis dependence with psychotic disorder with delusions	ICD-10-CM	Diagnosis
F12.251	Cannabis dependence with psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F12.259	Cannabis dependence with psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F12.280	Cannabis dependence with cannabis-induced anxiety disorder	ICD-10-CM	Diagnosis
F12.288	Cannabis dependence with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.29	Cannabis dependence with unspecified cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.90	Cannabis use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F12.920	Cannabis use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F12.921	Cannabis use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F12.922	Cannabis use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F12.929	Cannabis use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F12.950	Cannabis use, unspecified with psychotic disorder with delusions	ICD-10-CM	Diagnosis
F12.951	Cannabis use, unspecified with psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F12.959	Cannabis use, unspecified with psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F12.980	Cannabis use, unspecified with anxiety disorder	ICD-10-CM	Diagnosis
F12.988	Cannabis use, unspecified with other cannabis-induced disorder	ICD-10-CM	Diagnosis
F12.99	Cannabis use, unspecified with unspecified cannabis-induced disorder	ICD-10-CM	Diagnosis
F13.10	Sedative, hypnotic or anxiolytic abuse, uncomplicated	ICD-10-CM	Diagnosis
F13.120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F13.121	Sedative, hypnotic or anxiolytic abuse with intoxication delirium	ICD-10-CM	Diagnosis
F13.129	Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F13.14	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder	ICD-10-CM	Diagnosis
F13.150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F13.151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F13.159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F13.180	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder	ICD-10-CM	Diagnosis
F13.181	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction	ICD-10-CM	Diagnosis
F13.182	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder	ICD-10-CM	Diagnosis
F13.188	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.19	Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.20	Sedative, hypnotic or anxiolytic dependence, uncomplicated	ICD-10-CM	Diagnosis
F13.21	Sedative, hypnotic or anxiolytic dependence, in remission	ICD-10-CM	Diagnosis
F13.220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F13.221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium	ICD-10-CM	Diagnosis
F13.229	Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F13.230	Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F13.231	Sedative, hypnotic or anxiolytic dependence with withdrawal delirium	ICD-10-CM	Diagnosis
F13.232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F13.239	Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified	ICD-10-CM	Diagnosis
F13.24	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder	ICD-10-CM	Diagnosis
F13.250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F13.251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F13.259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F13.26	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F13.27	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia	ICD-10-CM	Diagnosis
F13.280	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder	ICD-10-CM	Diagnosis
F13.281	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction	ICD-10-CM	Diagnosis
F13.282	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder	ICD-10-CM	Diagnosis
F13.288	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F13.29	Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.90	Sedative, hypnotic, or anxiolytic use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F13.920	Sedative, hypnotic or anxiolytic use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F13.921	Sedative, hypnotic or anxiolytic use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F13.929	Sedative, hypnotic or anxiolytic use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F13.930	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F13.931	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal delirium	ICD-10-CM	Diagnosis
F13.932	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal with perceptual disturbances	ICD-10-CM	Diagnosis
F13.939	Sedative, hypnotic or anxiolytic use, unspecified with withdrawal, unspecified	ICD-10-CM	Diagnosis
F13.94	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced mood disorder	ICD-10-CM	Diagnosis
F13.950	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F13.951	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F13.959	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F13.96	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F13.97	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced persisting dementia	ICD-10-CM	Diagnosis
F13.980	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced anxiety disorder	ICD-10-CM	Diagnosis
F13.981	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced sexual dysfunction	ICD-10-CM	Diagnosis
F13.982	Sedative, hypnotic or anxiolytic use, unspecified with sedative, hypnotic or anxiolytic-induced sleep disorder	ICD-10-CM	Diagnosis
F13.988	Sedative, hypnotic or anxiolytic use, unspecified with other sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F13.99	Sedative, hypnotic or anxiolytic use, unspecified with unspecified sedative, hypnotic or anxiolytic-induced disorder	ICD-10-CM	Diagnosis
F14.10	Cocaine abuse, uncomplicated	ICD-10-CM	Diagnosis
F14.120	Cocaine abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F14.121	Cocaine abuse with intoxication with delirium	ICD-10-CM	Diagnosis
F14.122	Cocaine abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F14.129	Cocaine abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F14.14	Cocaine abuse with cocaine-induced mood disorder	ICD-10-CM	Diagnosis
F14.150	Cocaine abuse with cocaine-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F14.151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F14.159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F14.180	Cocaine abuse with cocaine-induced anxiety disorder	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F14.181	Cocaine abuse with cocaine-induced sexual dysfunction	ICD-10-CM	Diagnosis
F14.182	Cocaine abuse with cocaine-induced sleep disorder	ICD-10-CM	Diagnosis
F14.188	Cocaine abuse with other cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.19	Cocaine abuse with unspecified cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.20	Cocaine dependence, uncomplicated	ICD-10-CM	Diagnosis
F14.21	Cocaine dependence, in remission	ICD-10-CM	Diagnosis
F14.220	Cocaine dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F14.221	Cocaine dependence with intoxication delirium	ICD-10-CM	Diagnosis
F14.222	Cocaine dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F14.229	Cocaine dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F14.23	Cocaine dependence with withdrawal	ICD-10-CM	Diagnosis
F14.24	Cocaine dependence with cocaine-induced mood disorder	ICD-10-CM	Diagnosis
F14.250	Cocaine dependence with cocaine-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F14.251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F14.259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F14.280	Cocaine dependence with cocaine-induced anxiety disorder	ICD-10-CM	Diagnosis
F14.281	Cocaine dependence with cocaine-induced sexual dysfunction	ICD-10-CM	Diagnosis
F14.282	Cocaine dependence with cocaine-induced sleep disorder	ICD-10-CM	Diagnosis
F14.288	Cocaine dependence with other cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.29	Cocaine dependence with unspecified cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.90	Cocaine use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F14.920	Cocaine use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F14.921	Cocaine use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F14.922	Cocaine use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F14.929	Cocaine use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F14.94	Cocaine use, unspecified with cocaine-induced mood disorder	ICD-10-CM	Diagnosis
F14.950	Cocaine use, unspecified with cocaine-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F14.951	Cocaine use, unspecified with cocaine-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F14.959	Cocaine use, unspecified with cocaine-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F14.980	Cocaine use, unspecified with cocaine-induced anxiety disorder	ICD-10-CM	Diagnosis
F14.981	Cocaine use, unspecified with cocaine-induced sexual dysfunction	ICD-10-CM	Diagnosis
F14.982	Cocaine use, unspecified with cocaine-induced sleep disorder	ICD-10-CM	Diagnosis
F14.988	Cocaine use, unspecified with other cocaine-induced disorder	ICD-10-CM	Diagnosis
F14.99	Cocaine use, unspecified with unspecified cocaine-induced disorder	ICD-10-CM	Diagnosis
F15.10	Other stimulant abuse, uncomplicated	ICD-10-CM	Diagnosis
F15.120	Other stimulant abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F15.121	Other stimulant abuse with intoxication delirium	ICD-10-CM	Diagnosis
F15.122	Other stimulant abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F15.129	Other stimulant abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F15.14	Other stimulant abuse with stimulant-induced mood disorder	ICD-10-CM	Diagnosis
F15.150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F15.151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F15.159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F15.180	Other stimulant abuse with stimulant-induced anxiety disorder	ICD-10-CM	Diagnosis
F15.181	Other stimulant abuse with stimulant-induced sexual dysfunction	ICD-10-CM	Diagnosis
F15.182	Other stimulant abuse with stimulant-induced sleep disorder	ICD-10-CM	Diagnosis
F15.188	Other stimulant abuse with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.19	Other stimulant abuse with unspecified stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.20	Other stimulant dependence, uncomplicated	ICD-10-CM	Diagnosis
F15.21	Other stimulant dependence, in remission	ICD-10-CM	Diagnosis
F15.220	Other stimulant dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F15.221	Other stimulant dependence with intoxication delirium	ICD-10-CM	Diagnosis
F15.222	Other stimulant dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F15.229	Other stimulant dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F15.23	Other stimulant dependence with withdrawal	ICD-10-CM	Diagnosis
F15.24	Other stimulant dependence with stimulant-induced mood disorder	ICD-10-CM	Diagnosis
F15.250	Other stimulant dependence with stimulant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F15.251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F15.259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F15.280	Other stimulant dependence with stimulant-induced anxiety disorder	ICD-10-CM	Diagnosis
F15.281	Other stimulant dependence with stimulant-induced sexual dysfunction	ICD-10-CM	Diagnosis
F15.282	Other stimulant dependence with stimulant-induced sleep disorder	ICD-10-CM	Diagnosis
F15.288	Other stimulant dependence with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.29	Other stimulant dependence with unspecified stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.90	Other stimulant use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F15.920	Other stimulant use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F15.921	Other stimulant use, unspecified with intoxication delirium	ICD-10-CM	Diagnosis
F15.922	Other stimulant use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F15.929	Other stimulant use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F15.93	Other stimulant use, unspecified with withdrawal	ICD-10-CM	Diagnosis
F15.94	Other stimulant use, unspecified with stimulant-induced mood disorder	ICD-10-CM	Diagnosis
F15.950	Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F15.951	Other stimulant use, unspecified with stimulant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F15.959	Other stimulant use, unspecified with stimulant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F15.980	Other stimulant use, unspecified with stimulant-induced anxiety disorder	ICD-10-CM	Diagnosis
F15.981	Other stimulant use, unspecified with stimulant-induced sexual dysfunction	ICD-10-CM	Diagnosis
F15.982	Other stimulant use, unspecified with stimulant-induced sleep disorder	ICD-10-CM	Diagnosis
F15.988	Other stimulant use, unspecified with other stimulant-induced disorder	ICD-10-CM	Diagnosis
F15.99	Other stimulant use, unspecified with unspecified stimulant-induced disorder	ICD-10-CM	Diagnosis
F16.10	Hallucinogen abuse, uncomplicated	ICD-10-CM	Diagnosis
F16.120	Hallucinogen abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F16.121	Hallucinogen abuse with intoxication with delirium	ICD-10-CM	Diagnosis
F16.122	Hallucinogen abuse with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F16.129	Hallucinogen abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F16.14	Hallucinogen abuse with hallucinogen-induced mood disorder	ICD-10-CM	Diagnosis
F16.150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F16.151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F16.159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F16.180	Hallucinogen abuse with hallucinogen-induced anxiety disorder	ICD-10-CM	Diagnosis
F16.183	Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)	ICD-10-CM	Diagnosis
F16.188	Hallucinogen abuse with other hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.19	Hallucinogen abuse with unspecified hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.20	Hallucinogen dependence, uncomplicated	ICD-10-CM	Diagnosis
F16.21	Hallucinogen dependence, in remission	ICD-10-CM	Diagnosis
F16.220	Hallucinogen dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F16.221	Hallucinogen dependence with intoxication with delirium	ICD-10-CM	Diagnosis
F16.229	Hallucinogen dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F16.24	Hallucinogen dependence with hallucinogen-induced mood disorder	ICD-10-CM	Diagnosis
F16.250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F16.251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F16.259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F16.280	Hallucinogen dependence with hallucinogen-induced anxiety disorder	ICD-10-CM	Diagnosis
F16.283	Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)	ICD-10-CM	Diagnosis
F16.288	Hallucinogen dependence with other hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.29	Hallucinogen dependence with unspecified hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.90	Hallucinogen use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F16.920	Hallucinogen use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F16.921	Hallucinogen use, unspecified with intoxication with delirium	ICD-10-CM	Diagnosis
F16.929	Hallucinogen use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F16.94	Hallucinogen use, unspecified with hallucinogen-induced mood disorder	ICD-10-CM	Diagnosis
F16.950	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F16.951	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F16.959	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F16.980	Hallucinogen use, unspecified with hallucinogen-induced anxiety disorder	ICD-10-CM	Diagnosis
F16.983	Hallucinogen use, unspecified with hallucinogen persisting perception disorder (flashbacks)	ICD-10-CM	Diagnosis
F16.988	Hallucinogen use, unspecified with other hallucinogen-induced disorder	ICD-10-CM	Diagnosis
F16.99	Hallucinogen use, unspecified with unspecified hallucinogen-induced disorder	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F17.203	Nicotine dependence unspecified, with withdrawal	ICD-10-CM	Diagnosis
F17.208	Nicotine dependence, unspecified, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.213	Nicotine dependence, cigarettes, with withdrawal	ICD-10-CM	Diagnosis
F17.218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.223	Nicotine dependence, chewing tobacco, with withdrawal	ICD-10-CM	Diagnosis
F17.228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.293	Nicotine dependence, other tobacco product, with withdrawal	ICD-10-CM	Diagnosis
F17.298	Nicotine dependence, other tobacco product, with other nicotine-induced disorders	ICD-10-CM	Diagnosis
F17.299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders	ICD-10-CM	Diagnosis
F18.10	Inhalant abuse, uncomplicated	ICD-10-CM	Diagnosis
F18.120	Inhalant abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F18.121	Inhalant abuse with intoxication delirium	ICD-10-CM	Diagnosis
F18.129	Inhalant abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F18.14	Inhalant abuse with inhalant-induced mood disorder	ICD-10-CM	Diagnosis
F18.150	Inhalant abuse with inhalant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F18.151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F18.159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F18.17	Inhalant abuse with inhalant-induced dementia	ICD-10-CM	Diagnosis
F18.180	Inhalant abuse with inhalant-induced anxiety disorder	ICD-10-CM	Diagnosis
F18.188	Inhalant abuse with other inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.19	Inhalant abuse with unspecified inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.20	Inhalant dependence, uncomplicated	ICD-10-CM	Diagnosis
F18.21	Inhalant dependence, in remission	ICD-10-CM	Diagnosis
F18.220	Inhalant dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F18.221	Inhalant dependence with intoxication delirium	ICD-10-CM	Diagnosis
F18.229	Inhalant dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F18.24	Inhalant dependence with inhalant-induced mood disorder	ICD-10-CM	Diagnosis
F18.250	Inhalant dependence with inhalant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F18.251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F18.259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F18.27	Inhalant dependence with inhalant-induced dementia	ICD-10-CM	Diagnosis
F18.280	Inhalant dependence with inhalant-induced anxiety disorder	ICD-10-CM	Diagnosis
F18.288	Inhalant dependence with other inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.29	Inhalant dependence with unspecified inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.90	Inhalant use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F18.920	Inhalant use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F18.921	Inhalant use, unspecified with intoxication with delirium	ICD-10-CM	Diagnosis
F18.929	Inhalant use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F18.94	Inhalant use, unspecified with inhalant-induced mood disorder	ICD-10-CM	Diagnosis
F18.950	Inhalant use, unspecified with inhalant-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F18.951	Inhalant use, unspecified with inhalant-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F18.959	Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F18.97	Inhalant use, unspecified with inhalant-induced persisting dementia	ICD-10-CM	Diagnosis
F18.980	Inhalant use, unspecified with inhalant-induced anxiety disorder	ICD-10-CM	Diagnosis
F18.988	Inhalant use, unspecified with other inhalant-induced disorder	ICD-10-CM	Diagnosis
F18.99	Inhalant use, unspecified with unspecified inhalant-induced disorder	ICD-10-CM	Diagnosis
F19.10	Other psychoactive substance abuse, uncomplicated	ICD-10-CM	Diagnosis
F19.120	Other psychoactive substance abuse with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F19.121	Other psychoactive substance abuse with intoxication delirium	ICD-10-CM	Diagnosis
F19.122	Other psychoactive substance abuse with intoxication with perceptual disturbances	ICD-10-CM	Diagnosis
F19.129	Other psychoactive substance abuse with intoxication, unspecified	ICD-10-CM	Diagnosis
F19.14	Other psychoactive substance abuse with psychoactive substance-induced mood disorder	ICD-10-CM	Diagnosis
F19.150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F19.151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F19.159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F19.16	Other psychoactive substance abuse with psychoactive substance-induced persisting amnesic disorder	ICD-10-CM	Diagnosis
F19.17	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia	ICD-10-CM	Diagnosis
F19.180	Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder	ICD-10-CM	Diagnosis
F19.181	Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction	ICD-10-CM	Diagnosis
F19.182	Other psychoactive substance abuse with psychoactive substance-induced sleep disorder	ICD-10-CM	Diagnosis
F19.188	Other psychoactive substance abuse with other psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.19	Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.20	Other psychoactive substance dependence, uncomplicated	ICD-10-CM	Diagnosis
F19.21	Other psychoactive substance dependence, in remission	ICD-10-CM	Diagnosis
F19.220	Other psychoactive substance dependence with intoxication, uncomplicated	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F19.221	Other psychoactive substance dependence with intoxication delirium	ICD-10-CM	Diagnosis
F19.222	Other psychoactive substance dependence with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F19.229	Other psychoactive substance dependence with intoxication, unspecified	ICD-10-CM	Diagnosis
F19.230	Other psychoactive substance dependence with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F19.231	Other psychoactive substance dependence with withdrawal delirium	ICD-10-CM	Diagnosis
F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F19.239	Other psychoactive substance dependence with withdrawal, unspecified	ICD-10-CM	Diagnosis
F19.24	Other psychoactive substance dependence with psychoactive substance-induced mood disorder	ICD-10-CM	Diagnosis
F19.250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F19.251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F19.259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F19.26	Other psychoactive substance dependence with psychoactive substance-induced persisting amnestic disorder	ICD-10-CM	Diagnosis
F19.27	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia	ICD-10-CM	Diagnosis
F19.280	Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder	ICD-10-CM	Diagnosis
F19.281	Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction	ICD-10-CM	Diagnosis
F19.282	Other psychoactive substance dependence with psychoactive substance-induced sleep disorder	ICD-10-CM	Diagnosis
F19.288	Other psychoactive substance dependence with other psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.29	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.90	Other psychoactive substance use, unspecified, uncomplicated	ICD-10-CM	Diagnosis
F19.920	Other psychoactive substance use, unspecified with intoxication, uncomplicated	ICD-10-CM	Diagnosis
F19.921	Other psychoactive substance use, unspecified with intoxication with delirium	ICD-10-CM	Diagnosis
F19.922	Other psychoactive substance use, unspecified with intoxication with perceptual disturbance	ICD-10-CM	Diagnosis
F19.929	Other psychoactive substance use, unspecified with intoxication, unspecified	ICD-10-CM	Diagnosis
F19.930	Other psychoactive substance use, unspecified with withdrawal, uncomplicated	ICD-10-CM	Diagnosis
F19.931	Other psychoactive substance use, unspecified with withdrawal delirium	ICD-10-CM	Diagnosis
F19.932	Other psychoactive substance use, unspecified with withdrawal with perceptual disturbance	ICD-10-CM	Diagnosis
F19.939	Other psychoactive substance use, unspecified with withdrawal, unspecified	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
F19.94	Other psychoactive substance use, unspecified with psychoactive substance-induced mood disorder	ICD-10-CM	Diagnosis
F19.950	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with delusions	ICD-10-CM	Diagnosis
F19.951	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with hallucinations	ICD-10-CM	Diagnosis
F19.959	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder, unspecified	ICD-10-CM	Diagnosis
F19.96	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting amnestic disorder	ICD-10-CM	Diagnosis
F19.97	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting dementia	ICD-10-CM	Diagnosis
F19.980	Other psychoactive substance use, unspecified with psychoactive substance-induced anxiety disorder	ICD-10-CM	Diagnosis
F19.981	Other psychoactive substance use, unspecified with psychoactive substance-induced sexual dysfunction	ICD-10-CM	Diagnosis
F19.982	Other psychoactive substance use, unspecified with psychoactive substance-induced sleep disorder	ICD-10-CM	Diagnosis
F19.988	Other psychoactive substance use, unspecified with other psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
F19.99	Other psychoactive substance use, unspecified with unspecified psychoactive substance-induced disorder	ICD-10-CM	Diagnosis
O35.5XX0	Maternal care for (suspected) damage to fetus by drugs, not applicable or unspecified	ICD-10-CM	Diagnosis
O35.5XX1	Maternal care for (suspected) damage to fetus by drugs, fetus 1	ICD-10-CM	Diagnosis
O35.5XX2	Maternal care for (suspected) damage to fetus by drugs, fetus 2	ICD-10-CM	Diagnosis
O35.5XX3	Maternal care for (suspected) damage to fetus by drugs, fetus 3	ICD-10-CM	Diagnosis
O35.5XX4	Maternal care for (suspected) damage to fetus by drugs, fetus 4	ICD-10-CM	Diagnosis
O35.5XX5	Maternal care for (suspected) damage to fetus by drugs, fetus 5	ICD-10-CM	Diagnosis
O35.5XX9	Maternal care for (suspected) damage to fetus by drugs, other fetus	ICD-10-CM	Diagnosis
O99.320	Drug use complicating pregnancy, unspecified trimester	ICD-10-CM	Diagnosis
O99.321	Drug use complicating pregnancy, first trimester	ICD-10-CM	Diagnosis
O99.322	Drug use complicating pregnancy, second trimester	ICD-10-CM	Diagnosis
O99.323	Drug use complicating pregnancy, third trimester	ICD-10-CM	Diagnosis
O99.324	Drug use complicating childbirth	ICD-10-CM	Diagnosis
O99.325	Drug use complicating the puerperium	ICD-10-CM	Diagnosis
P04.41	Newborn affected by maternal use of cocaine	ICD-10-CM	Diagnosis
P04.49	Newborn affected by maternal use of other drugs of addiction	ICD-10-CM	Diagnosis
P96.1	Neonatal withdrawal symptoms from maternal use of drugs of addiction	ICD-10-CM	Diagnosis
P96.2	Withdrawal symptoms from therapeutic use of drugs in newborn	ICD-10-CM	Diagnosis
T40.OX1A	Poisoning by opium, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.OX2A	Poisoning by opium, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.OX3A	Poisoning by opium, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T40.0X4A	Poisoning by opium, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.1X1A	Poisoning by heroin, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.1X2A	Poisoning by heroin, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.1X3A	Poisoning by heroin, assault, initial encounter	ICD-10-CM	Diagnosis
T40.1X4A	Poisoning by heroin, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.2X1A	Poisoning by other opioids, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.2X2A	Poisoning by other opioids, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.2X3A	Poisoning by other opioids, assault, initial encounter	ICD-10-CM	Diagnosis
T40.2X4A	Poisoning by other opioids, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.3X1A	Poisoning by methadone, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.3X2A	Poisoning by methadone, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.3X3A	Poisoning by methadone, assault, initial encounter	ICD-10-CM	Diagnosis
T40.3X4A	Poisoning by methadone, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.4X1A	Poisoning by other synthetic narcotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.4X2A	Poisoning by other synthetic narcotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.4X3A	Poisoning by other synthetic narcotics, assault, initial encounter	ICD-10-CM	Diagnosis
T40.4X4A	Poisoning by other synthetic narcotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.601A	Poisoning by unspecified narcotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.602A	Poisoning by unspecified narcotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.603A	Poisoning by unspecified narcotics, assault, initial encounter	ICD-10-CM	Diagnosis
T40.604A	Poisoning by unspecified narcotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.691A	Poisoning by other narcotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.692A	Poisoning by other narcotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.693A	Poisoning by other narcotics, assault, initial encounter	ICD-10-CM	Diagnosis
T40.694A	Poisoning by other narcotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
Z71.41	Alcohol abuse counseling and surveillance of alcoholic	ICD-10-CM	Diagnosis
Z71.51	Drug abuse counseling and surveillance of drug abuser	ICD-10-CM	Diagnosis
Z71.6	Tobacco abuse counseling	ICD-10-CM	Diagnosis
Drug Overdose			
960	Poisoning by antibiotics	ICD-9-CM	Diagnosis
960.0	Poisoning by penicillins	ICD-9-CM	Diagnosis
960.1	Poisoning by antifungal antibiotics	ICD-9-CM	Diagnosis
960.2	Poisoning by chloramphenicol group	ICD-9-CM	Diagnosis
960.3	Poisoning by erythromycin and other macrolides	ICD-9-CM	Diagnosis
960.4	Poisoning by tetracycline group	ICD-9-CM	Diagnosis
960.5	Poisoning of cephalosporin group	ICD-9-CM	Diagnosis
960.6	Poisoning of antimycobacterial antibiotics	ICD-9-CM	Diagnosis
960.7	Poisoning by antineoplastic antibiotics	ICD-9-CM	Diagnosis
960.8	Poisoning by other specified antibiotics	ICD-9-CM	Diagnosis
960.9	Poisoning by unspecified antibiotic	ICD-9-CM	Diagnosis
961	Poisoning by other anti-infectives	ICD-9-CM	Diagnosis
961.0	Poisoning by sulfonamides	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
961.1	Poisoning by arsenical anti-infectives	ICD-9-CM	Diagnosis
961.2	Poisoning by heavy metal anti-infectives	ICD-9-CM	Diagnosis
961.3	Poisoning by quinoline and hydroxyquinoline derivatives	ICD-9-CM	Diagnosis
961.4	Poisoning by antimalarials and drugs acting on other blood protozoa	ICD-9-CM	Diagnosis
961.5	Poisoning by other antiprotozoal drugs	ICD-9-CM	Diagnosis
961.6	Poisoning by anthelmintics	ICD-9-CM	Diagnosis
961.7	Poisoning by antiviral drugs	ICD-9-CM	Diagnosis
961.8	Poisoning by other antimycobacterial drugs	ICD-9-CM	Diagnosis
961.9	Poisoning by other and unspecified anti-infectives	ICD-9-CM	Diagnosis
962	Poisoning by hormones and synthetic substitutes	ICD-9-CM	Diagnosis
962.0	Poisoning by adrenal cortical steroids	ICD-9-CM	Diagnosis
962.1	Poisoning by androgens and anabolic congeners	ICD-9-CM	Diagnosis
962.2	Poisoning by ovarian hormones and synthetic substitutes	ICD-9-CM	Diagnosis
962.3	Poisoning by insulins and antidiabetic agents	ICD-9-CM	Diagnosis
962.4	Poisoning by anterior pituitary hormones	ICD-9-CM	Diagnosis
962.5	Poisoning by posterior pituitary hormones	ICD-9-CM	Diagnosis
962.6	Poisoning by parathyroid and parathyroid derivatives	ICD-9-CM	Diagnosis
962.7	Poisoning by thyroid and thyroid derivatives	ICD-9-CM	Diagnosis
962.8	Poisoning by antithyroid agents	ICD-9-CM	Diagnosis
962.9	Poisoning by other and unspecified hormones and synthetic substitutes	ICD-9-CM	Diagnosis
963	Poisoning by primarily systemic agents	ICD-9-CM	Diagnosis
963.0	Poisoning by antiallergic and antiemetic drugs	ICD-9-CM	Diagnosis
963.1	Poisoning by antineoplastic and immunosuppressive drugs	ICD-9-CM	Diagnosis
963.2	Poisoning by acidifying agents	ICD-9-CM	Diagnosis
963.3	Poisoning by alkalizing agents	ICD-9-CM	Diagnosis
963.4	Poisoning by enzymes, not elsewhere classified	ICD-9-CM	Diagnosis
963.5	Poisoning by vitamins, not elsewhere classified	ICD-9-CM	Diagnosis
963.8	Poisoning by other specified systemic agents	ICD-9-CM	Diagnosis
963.9	Poisoning by unspecified systemic agent	ICD-9-CM	Diagnosis
964	Poisoning by agents primarily affecting blood constituents	ICD-9-CM	Diagnosis
964.0	Poisoning by iron and its compounds	ICD-9-CM	Diagnosis
964.1	Poisoning by liver preparations and other antianemic agents	ICD-9-CM	Diagnosis
964.2	Poisoning by anticoagulants	ICD-9-CM	Diagnosis
964.3	Poisoning by vitamin K (phytonadione)	ICD-9-CM	Diagnosis
964.4	Poisoning by fibrinolysis-affecting drugs	ICD-9-CM	Diagnosis
964.5	Poisoning by anticoagulant antagonists and other coagulants	ICD-9-CM	Diagnosis
964.6	Poisoning by gamma globulin	ICD-9-CM	Diagnosis
964.7	Poisoning by natural blood and blood products	ICD-9-CM	Diagnosis
964.8	Poisoning by other specified agents affecting blood constituents	ICD-9-CM	Diagnosis
964.9	Poisoning by unspecified agent affecting blood constituents	ICD-9-CM	Diagnosis
965	Poisoning by analgesics, antipyretics, and antirheumatics	ICD-9-CM	Diagnosis
965.0	Poisoning by opiates and related narcotics	ICD-9-CM	Diagnosis
965.00	Poisoning by opium (alkaloids), unspecified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
965.01	Poisoning by heroin	ICD-9-CM	Diagnosis
965.02	Poisoning by methadone	ICD-9-CM	Diagnosis
965.09	Poisoning by opiates and related narcotics, other	ICD-9-CM	Diagnosis
965.1	Poisoning by salicylates	ICD-9-CM	Diagnosis
965.4	Poisoning by aromatic analgesics, not elsewhere classified	ICD-9-CM	Diagnosis
965.5	Poisoning by pyrazole derivatives	ICD-9-CM	Diagnosis
965.6	Poisoning by antirheumatics (antiphlogistics)	ICD-9-CM	Diagnosis
965.61	Poisoning by propionic acid derivatives	ICD-9-CM	Diagnosis
965.69	Poisoning by other antirheumatics	ICD-9-CM	Diagnosis
965.7	Poisoning by other non-narcotic analgesics	ICD-9-CM	Diagnosis
965.8	Poisoning by other specified analgesics and antipyretics	ICD-9-CM	Diagnosis
965.9	Poisoning by unspecified analgesic and antipyretic	ICD-9-CM	Diagnosis
966	Poisoning by anticonvulsants and anti-Parkinsonism drugs	ICD-9-CM	Diagnosis
966.0	Poisoning by oxazolidine derivatives	ICD-9-CM	Diagnosis
966.1	Poisoning by hydantoin derivatives	ICD-9-CM	Diagnosis
966.2	Poisoning by succinimides	ICD-9-CM	Diagnosis
966.3	Poisoning by other and unspecified anticonvulsants	ICD-9-CM	Diagnosis
966.4	Poisoning by anti-Parkinsonism drugs	ICD-9-CM	Diagnosis
967	Poisoning by sedatives and hypnotics	ICD-9-CM	Diagnosis
967.0	Poisoning by barbiturates	ICD-9-CM	Diagnosis
967.1	Poisoning by chloral hydrate group	ICD-9-CM	Diagnosis
967.2	Poisoning by paraldehyde	ICD-9-CM	Diagnosis
967.3	Poisoning by bromine compounds	ICD-9-CM	Diagnosis
967.4	Poisoning by methaqualone compounds	ICD-9-CM	Diagnosis
967.5	Poisoning by glutethimide group	ICD-9-CM	Diagnosis
967.6	Poisoning by mixed sedatives, not elsewhere classified	ICD-9-CM	Diagnosis
967.8	Poisoning by other sedatives and hypnotics	ICD-9-CM	Diagnosis
967.9	Poisoning by unspecified sedative or hypnotic	ICD-9-CM	Diagnosis
968	Poisoning by other central nervous system depressants and anesthetics	ICD-9-CM	Diagnosis
968.0	Poisoning by central nervous system muscle-tone depressants	ICD-9-CM	Diagnosis
968.1	Poisoning by halothane	ICD-9-CM	Diagnosis
968.2	Poisoning by other gaseous anesthetics	ICD-9-CM	Diagnosis
968.3	Poisoning by intravenous anesthetics	ICD-9-CM	Diagnosis
968.4	Poisoning by other and unspecified general anesthetics	ICD-9-CM	Diagnosis
968.5	Poisoning by other central nervous system depressants and anesthetics, Surface (topical) and infiltration anesthetics	ICD-9-CM	Diagnosis
968.6	Poisoning by peripheral nerve- and plexus-blocking anesthetics	ICD-9-CM	Diagnosis
968.7	Poisoning by spinal anesthetics	ICD-9-CM	Diagnosis
968.9	Poisoning by other and unspecified local anesthetics	ICD-9-CM	Diagnosis
969	Poisoning by psychotropic agents	ICD-9-CM	Diagnosis
969.0	Poisoning by antidepressants	ICD-9-CM	Diagnosis
969.00	Poisoning by antidepressant, unspecified	ICD-9-CM	Diagnosis
969.01	Poisoning by monoamine oxidase inhibitors	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
969.02	Poisoning by selective serotonin and norepinephrine reuptake inhibitors	ICD-9-CM	Diagnosis
969.03	Poisoning by selective serotonin reuptake inhibitors	ICD-9-CM	Diagnosis
969.04	Poisoning by tetracyclic antidepressants	ICD-9-CM	Diagnosis
969.05	Poisoning by tricyclic antidepressants	ICD-9-CM	Diagnosis
969.09	Poisoning by other antidepressants	ICD-9-CM	Diagnosis
969.1	Poisoning by phenothiazine-based tranquilizers	ICD-9-CM	Diagnosis
969.2	Poisoning by butyrophenone-based tranquilizers	ICD-9-CM	Diagnosis
969.3	Poisoning by other antipsychotics, neuroleptics, and major tranquilizers	ICD-9-CM	Diagnosis
969.4	Poisoning by benzodiazepine-based tranquilizers	ICD-9-CM	Diagnosis
969.5	Poisoning by other tranquilizers	ICD-9-CM	Diagnosis
969.6	Poisoning by psychodysleptics (hallucinogens)	ICD-9-CM	Diagnosis
969.7	Poisoning by psychostimulants	ICD-9-CM	Diagnosis
969.70	Poisoning by psychostimulant, unspecified	ICD-9-CM	Diagnosis
969.71	Poisoning by caffeine	ICD-9-CM	Diagnosis
969.72	Poisoning by amphetamines	ICD-9-CM	Diagnosis
969.73	Poisoning by methylphenidate	ICD-9-CM	Diagnosis
969.79	Poisoning by other psychostimulants	ICD-9-CM	Diagnosis
969.8	Poisoning by other specified psychotropic agents	ICD-9-CM	Diagnosis
969.9	Poisoning by unspecified psychotropic agent	ICD-9-CM	Diagnosis
970	Poisoning by central nervous system stimulants	ICD-9-CM	Diagnosis
970.0	Poisoning by analeptics	ICD-9-CM	Diagnosis
970.1	Poisoning by opiate antagonists	ICD-9-CM	Diagnosis
970.8	Poisoning by other specified central nervous system stimulants	ICD-9-CM	Diagnosis
970.81	Poisoning by cocaine	ICD-9-CM	Diagnosis
970.89	Poisoning by other central nervous system stimulants	ICD-9-CM	Diagnosis
970.9	Poisoning by unspecified central nervous system stimulant	ICD-9-CM	Diagnosis
971	Poisoning by drugs primarily affecting the autonomic nervous system	ICD-9-CM	Diagnosis
971.0	Poisoning by parasympathomimetics (cholinergics)	ICD-9-CM	Diagnosis
971.1	Poisoning by parasympatholytics (anticholinergics and antimuscarinics) and spasmolytics	ICD-9-CM	Diagnosis
971.2	Poisoning by sympathomimetics (adrenergics)	ICD-9-CM	Diagnosis
971.3	Poisoning by sympatholytics (antiadrenergics)	ICD-9-CM	Diagnosis
971.9	Poisoning by unspecified drug primarily affecting autonomic nervous system	ICD-9-CM	Diagnosis
972	Poisoning by agents primarily affecting the cardiovascular system	ICD-9-CM	Diagnosis
972.0	Poisoning by cardiac rhythm regulators	ICD-9-CM	Diagnosis
972.1	Poisoning by cardiotonic glycosides and drugs of similar action	ICD-9-CM	Diagnosis
972.2	Poisoning by antilipemic and antiarteriosclerotic drugs	ICD-9-CM	Diagnosis
972.3	Poisoning by ganglion-blocking agents	ICD-9-CM	Diagnosis
972.4	Poisoning by coronary vasodilators	ICD-9-CM	Diagnosis
972.5	Poisoning by other vasodilators	ICD-9-CM	Diagnosis
972.6	Poisoning by other antihypertensive agents	ICD-9-CM	Diagnosis
972.7	Poisoning by antivaricose drugs, including sclerosing agents	ICD-9-CM	Diagnosis
972.8	Poisoning by capillary-active drugs	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
972.9	Poisoning by other and unspecified agents primarily affecting the cardiovascular system	ICD-9-CM	Diagnosis
973	Poisoning by agents primarily affecting the gastrointestinal system	ICD-9-CM	Diagnosis
973.0	Poisoning by antacids and antigastric secretion drugs	ICD-9-CM	Diagnosis
973.1	Poisoning by irritant cathartics	ICD-9-CM	Diagnosis
973.2	Poisoning by emollient cathartics	ICD-9-CM	Diagnosis
973.3	Poisoning by other cathartics, including intestinal atonia drugs	ICD-9-CM	Diagnosis
973.4	Poisoning by digestants	ICD-9-CM	Diagnosis
973.5	Poisoning by antidiarrheal drugs	ICD-9-CM	Diagnosis
973.6	Poisoning by emetics	ICD-9-CM	Diagnosis
973.8	Poisoning by other specified agents primarily affecting the gastrointestinal system	ICD-9-CM	Diagnosis
973.9	Poisoning by unspecified agent primarily affecting the gastrointestinal system	ICD-9-CM	Diagnosis
974	Poisoning by water, mineral, and uric acid metabolism drugs	ICD-9-CM	Diagnosis
974.0	Poisoning by mercurial diuretics	ICD-9-CM	Diagnosis
974.1	Poisoning by purine derivative diuretics	ICD-9-CM	Diagnosis
974.2	Poisoning by carbonic acid anhydrase inhibitors	ICD-9-CM	Diagnosis
974.3	Poisoning by saluretics	ICD-9-CM	Diagnosis
974.4	Poisoning by other diuretics	ICD-9-CM	Diagnosis
974.5	Poisoning by electrolytic, caloric, and water-balance agents	ICD-9-CM	Diagnosis
974.6	Poisoning by other mineral salts, not elsewhere classified	ICD-9-CM	Diagnosis
974.7	Poisoning by uric acid metabolism drugs	ICD-9-CM	Diagnosis
975	Poisoning by agents primarily acting on the smooth and skeletal muscles and respiratory system	ICD-9-CM	Diagnosis
975.0	Poisoning by oxytocic agents	ICD-9-CM	Diagnosis
975.1	Poisoning by smooth muscle relaxants	ICD-9-CM	Diagnosis
975.2	Poisoning by skeletal muscle relaxants	ICD-9-CM	Diagnosis
975.3	Poisoning by other and unspecified drugs acting on muscles	ICD-9-CM	Diagnosis
975.4	Poisoning by antitussives	ICD-9-CM	Diagnosis
975.5	Poisoning by expectorants	ICD-9-CM	Diagnosis
975.6	Poisoning by anti-common cold drugs	ICD-9-CM	Diagnosis
975.7	Poisoning by antiasthmatics	ICD-9-CM	Diagnosis
975.8	Poisoning by other and unspecified respiratory drugs	ICD-9-CM	Diagnosis
976	Poisoning by agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological, and dental drugs	ICD-9-CM	Diagnosis
976.0	Poisoning by local anti-infectives and anti-inflammatory drugs	ICD-9-CM	Diagnosis
976.1	Poisoning by antipruritics	ICD-9-CM	Diagnosis
976.2	Poisoning by local astringents and local detergents	ICD-9-CM	Diagnosis
976.3	Poisoning by emollients, demulcents, and protectants	ICD-9-CM	Diagnosis
976.4	Poisoning by keratolytics, keratoplastics, other hair treatment drugs and preparations	ICD-9-CM	Diagnosis
976.5	Poisoning by eye anti-infectives and other eye drugs	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
976.6	Poisoning by anti-infectives and other drugs and preparations for ear, nose, and throat	ICD-9-CM	Diagnosis
976.7	Poisoning by dental drugs topically applied	ICD-9-CM	Diagnosis
976.8	Poisoning by other agents primarily affecting skin and mucous membrane	ICD-9-CM	Diagnosis
976.9	Poisoning by unspecified agent primarily affecting skin and mucous membrane	ICD-9-CM	Diagnosis
977	Poisoning by other and unspecified drugs and medicinal substances	ICD-9-CM	Diagnosis
977.0	Poisoning by dietetics	ICD-9-CM	Diagnosis
977.1	Poisoning by lipotropic drugs	ICD-9-CM	Diagnosis
977.2	Poisoning by antidotes and chelating agents, not elsewhere classified	ICD-9-CM	Diagnosis
977.3	Poisoning by alcohol deterrents	ICD-9-CM	Diagnosis
977.4	Poisoning by pharmaceutical excipients	ICD-9-CM	Diagnosis
977.8	Poisoning by other specified drugs and medicinal substances	ICD-9-CM	Diagnosis
977.9	Poisoning by unspecified drug or medicinal substance	ICD-9-CM	Diagnosis
978	Poisoning by bacterial vaccines	ICD-9-CM	Diagnosis
978.0	Poisoning by BCG vaccine	ICD-9-CM	Diagnosis
978.1	Poisoning by typhoid and paratyphoid vaccine	ICD-9-CM	Diagnosis
978.2	Poisoning by cholera vaccine	ICD-9-CM	Diagnosis
978.3	Poisoning by plague vaccine	ICD-9-CM	Diagnosis
978.4	Poisoning by tetanus vaccine	ICD-9-CM	Diagnosis
978.5	Poisoning by diphtheria vaccine	ICD-9-CM	Diagnosis
978.6	Poisoning by pertussis vaccine, including combinations with pertussis component	ICD-9-CM	Diagnosis
978.8	Poisoning by other and unspecified bacterial vaccines	ICD-9-CM	Diagnosis
978.9	Poisoning by mixed bacterial vaccines, except combinations with pertussis component	ICD-9-CM	Diagnosis
979	Poisoning by other vaccines and biological substances	ICD-9-CM	Diagnosis
979.0	Poisoning by smallpox vaccine	ICD-9-CM	Diagnosis
979.1	Poisoning by rabies vaccine	ICD-9-CM	Diagnosis
979.2	Poisoning by typhus vaccine	ICD-9-CM	Diagnosis
979.3	Poisoning by yellow fever vaccine	ICD-9-CM	Diagnosis
979.4	Poisoning by measles vaccine	ICD-9-CM	Diagnosis
979.5	Poisoning by poliomyelitis vaccine	ICD-9-CM	Diagnosis
979.6	Poisoning by other and unspecified viral and rickettsial vaccines	ICD-9-CM	Diagnosis
979.7	Poisoning by mixed viral-rickettsial and bacterial vaccines, except combinations with pertussis component	ICD-9-CM	Diagnosis
979.9	Poisoning by other and unspecified vaccines and biological substances	ICD-9-CM	Diagnosis
980	Toxic effect of alcohol	ICD-9-CM	Diagnosis
980.0	Toxic effect of ethyl alcohol	ICD-9-CM	Diagnosis
980.1	Toxic effect of methyl alcohol	ICD-9-CM	Diagnosis
980.2	Toxic effect of isopropyl alcohol	ICD-9-CM	Diagnosis
980.3	Toxic effect of fusel oil	ICD-9-CM	Diagnosis
980.8	Toxic effect of other specified alcohols	ICD-9-CM	Diagnosis
980.9	Toxic effect of unspecified alcohol	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
981	Toxic effect of petroleum products	ICD-9-CM	Diagnosis
982	Toxic effect of solvents other than petroleum-based	ICD-9-CM	Diagnosis
982.0	Toxic effect of benzene and homologues	ICD-9-CM	Diagnosis
982.1	Toxic effect of carbon tetrachloride	ICD-9-CM	Diagnosis
982.2	Toxic effect of carbon disulfide	ICD-9-CM	Diagnosis
982.3	Toxic effect of other chlorinated hydrocarbon solvents	ICD-9-CM	Diagnosis
982.4	Toxic effect of nitroglycol	ICD-9-CM	Diagnosis
982.8	Toxic effect of other nonpetroleum-based solvents	ICD-9-CM	Diagnosis
983	Toxic effect of corrosive aromatics, acids, and caustic alkalis	ICD-9-CM	Diagnosis
983.0	Toxic effect of corrosive aromatics	ICD-9-CM	Diagnosis
983.1	Toxic effect of acids	ICD-9-CM	Diagnosis
983.2	Toxic effect of caustic alkalis	ICD-9-CM	Diagnosis
983.9	Toxic effect of caustic, unspecified	ICD-9-CM	Diagnosis
984	Toxic effect of lead and its compounds (including fumes)	ICD-9-CM	Diagnosis
984.0	Toxic effect of inorganic lead compounds	ICD-9-CM	Diagnosis
984.1	Toxic effect of organic lead compounds	ICD-9-CM	Diagnosis
984.8	Toxic effect of other lead compounds	ICD-9-CM	Diagnosis
984.9	Toxic effect of unspecified lead compound	ICD-9-CM	Diagnosis
985	Toxic effect of other metals	ICD-9-CM	Diagnosis
985.0	Toxic effect of mercury and its compounds	ICD-9-CM	Diagnosis
985.1	Toxic effect of arsenic and its compounds	ICD-9-CM	Diagnosis
985.2	Toxic effect of manganese and its compounds	ICD-9-CM	Diagnosis
985.3	Toxic effect of beryllium and its compounds	ICD-9-CM	Diagnosis
985.4	Toxic effect of antimony and its compounds	ICD-9-CM	Diagnosis
985.5	Toxic effect of cadmium and its compounds	ICD-9-CM	Diagnosis
985.6	Toxic effect of chromium	ICD-9-CM	Diagnosis
985.8	Toxic effect of other specified metals	ICD-9-CM	Diagnosis
985.9	Toxic effect of unspecified metal	ICD-9-CM	Diagnosis
986	Toxic effect of carbon monoxide	ICD-9-CM	Diagnosis
987	Toxic effect of other gases, fumes, or vapors	ICD-9-CM	Diagnosis
987.0	Toxic effect of liquefied petroleum gases	ICD-9-CM	Diagnosis
987.1	Toxic effect of other hydrocarbon gas	ICD-9-CM	Diagnosis
987.2	Toxic effect of nitrogen oxides	ICD-9-CM	Diagnosis
987.3	Toxic effect of sulfur dioxide	ICD-9-CM	Diagnosis
987.4	Toxic effect of freon	ICD-9-CM	Diagnosis
987.5	Toxic effect of lacrimogenic gas	ICD-9-CM	Diagnosis
987.6	Toxic effect of chlorine gas	ICD-9-CM	Diagnosis
987.7	Toxic effect of hydrocyanic acid gas	ICD-9-CM	Diagnosis
987.8	Toxic effect of other specified gases, fumes, or vapors	ICD-9-CM	Diagnosis
987.9	Toxic effect of unspecified gas, fume, or vapor	ICD-9-CM	Diagnosis
988	Toxic effect of noxious substances eaten as food	ICD-9-CM	Diagnosis
988.0	Toxic effect of fish and shellfish	ICD-9-CM	Diagnosis
988.1	Toxic effect of mushrooms	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
988.2	Toxic effect of berries and other plants	ICD-9-CM	Diagnosis
988.8	Toxic effect of other specified noxious substances	ICD-9-CM	Diagnosis
988.9	Toxic effect of unspecified noxious substance	ICD-9-CM	Diagnosis
989	Toxic effect of other substances, chiefly nonmedicinal as to source	ICD-9-CM	Diagnosis
989.0	Toxic effect of hydrocyanic acid and cyanides	ICD-9-CM	Diagnosis
989.1	Toxic effect of strychnine and salts	ICD-9-CM	Diagnosis
989.2	Toxic effect of chlorinated hydrocarbons	ICD-9-CM	Diagnosis
989.3	Toxic effect of organophosphate and carbamate	ICD-9-CM	Diagnosis
989.4	Toxic effect of other pesticides, not elsewhere classified	ICD-9-CM	Diagnosis
989.5	Toxic effect of venom	ICD-9-CM	Diagnosis
989.6	Toxic effect of soaps and detergents	ICD-9-CM	Diagnosis
989.7	Toxic effect of aflatoxin and other mycotoxin (food contaminants)	ICD-9-CM	Diagnosis
989.8	Toxic effect of other substances, chiefly nonmedicinal as to source	ICD-9-CM	Diagnosis
989.81	Toxic effect of asbestos	ICD-9-CM	Diagnosis
989.82	Toxic effect of latex	ICD-9-CM	Diagnosis
989.83	Toxic effect of silicone	ICD-9-CM	Diagnosis
989.84	Toxic effect of tobacco	ICD-9-CM	Diagnosis
989.89	Toxic effect of other substances	ICD-9-CM	Diagnosis
989.9	Toxic effect of unspecified substance, chiefly nonmedicinal as to source	ICD-9-CM	Diagnosis
E850	Accidental poisoning by analgesics, antipyretics, and antirheumatics	ICD-9-CM	Diagnosis
E850.0	Accidental poisoning by heroin	ICD-9-CM	Diagnosis
E850.1	Accidental poisoning by methadone	ICD-9-CM	Diagnosis
E850.2	Accidental poisoning by other opiates and related narcotics	ICD-9-CM	Diagnosis
E850.3	Accidental poisoning by salicylates	ICD-9-CM	Diagnosis
E850.4	Accidental poisoning by aromatic analgesics, not elsewhere classified	ICD-9-CM	Diagnosis
E850.5	Accidental poisoning by pyrazole derivatives	ICD-9-CM	Diagnosis
E850.6	Accidental poisoning by antirheumatics (antiphlogistics)	ICD-9-CM	Diagnosis
E850.7	Accidental poisoning by other non-narcotic analgesics	ICD-9-CM	Diagnosis
E850.8	Accidental poisoning by other specified analgesics and antipyretics	ICD-9-CM	Diagnosis
E850.9	Accidental poisoning by unspecified analgesic or antipyretic	ICD-9-CM	Diagnosis
E851	Accidental poisoning by barbiturates	ICD-9-CM	Diagnosis
E852	Accidental poisoning by other sedatives and hypnotics	ICD-9-CM	Diagnosis
E852.0	Accidental poisoning by chloral hydrate group	ICD-9-CM	Diagnosis
E852.1	Accidental poisoning by paraldehyde	ICD-9-CM	Diagnosis
E852.2	Accidental poisoning by bromine compounds	ICD-9-CM	Diagnosis
E852.3	Accidental poisoning by methaqualone compounds	ICD-9-CM	Diagnosis
E852.4	Accidental poisoning by glutethimide group	ICD-9-CM	Diagnosis
E852.5	Accidental poisoning by mixed sedatives, not elsewhere classified	ICD-9-CM	Diagnosis
E852.8	Accidental poisoning by other specified sedative and hypnotic	ICD-9-CM	Diagnosis
E852.9	Accidental poisoning by unspecified sedative or hypnotic	ICD-9-CM	Diagnosis
E853	Accidental poisoning by tranquilizers	ICD-9-CM	Diagnosis
E853.0	Accidental poisoning by phenothiazine-based tranquilizers	ICD-9-CM	Diagnosis
E853.1	Accidental poisoning by butyrophenone-based tranquilizers	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E853.2	Accidental poisoning by benzodiazepine-based tranquilizers	ICD-9-CM	Diagnosis
E853.8	Accidental poisoning by other specified tranquilizers	ICD-9-CM	Diagnosis
E853.9	Accidental poisoning by unspecified tranquilizer	ICD-9-CM	Diagnosis
E854	Accidental poisoning by other psychotropic agents	ICD-9-CM	Diagnosis
E854.0	Accidental poisoning by antidepressants	ICD-9-CM	Diagnosis
E854.1	Accidental poisoning by psychodysleptics (hallucinogens)	ICD-9-CM	Diagnosis
E854.2	Accidental poisoning by psychostimulants	ICD-9-CM	Diagnosis
E854.3	Accidental poisoning by central nervous system stimulants	ICD-9-CM	Diagnosis
E854.8	Accidental poisoning by other psychotropic agents	ICD-9-CM	Diagnosis
E855	Accidental poisoning by other drugs acting on central and autonomic nervous system	ICD-9-CM	Diagnosis
E855.0	Accidental poisoning by anticonvulsant and anti-Parkinsonism drugs	ICD-9-CM	Diagnosis
E855.1	Accidental poisoning by other central nervous system depressants	ICD-9-CM	Diagnosis
E855.2	Accidental poisoning by local anesthetics	ICD-9-CM	Diagnosis
E855.3	Accidental poisoning by parasympathomimetics (cholinergics)	ICD-9-CM	Diagnosis
E855.4	Accidental poisoning by parasympatholytics (anticholinergics and antimuscarinics) and spasmolytics	ICD-9-CM	Diagnosis
E855.5	Accidental poisoning by sympathomimetics (adrenergics)	ICD-9-CM	Diagnosis
E855.6	Accidental poisoning by sympatholytics (antiadrenergics)	ICD-9-CM	Diagnosis
E855.8	Accidental poisoning by other specified drugs acting on central and autonomic nervous systems	ICD-9-CM	Diagnosis
E855.9	Accidental poisoning by unspecified drug acting on central and autonomic nervous systems	ICD-9-CM	Diagnosis
E856	Accidental poisoning by antibiotics	ICD-9-CM	Diagnosis
E857	Accidental poisoning by other anti-infectives	ICD-9-CM	Diagnosis
E858	Accidental poisoning by other drugs	ICD-9-CM	Diagnosis
E858.0	Accidental poisoning by hormones and synthetic substitutes	ICD-9-CM	Diagnosis
E858.1	Accidental poisoning by primarily systemic agents	ICD-9-CM	Diagnosis
E858.2	Accidental poisoning by agents primarily affecting blood constituents	ICD-9-CM	Diagnosis
E858.3	Accidental poisoning by agents primarily affecting cardiovascular system	ICD-9-CM	Diagnosis
E858.4	Accidental poisoning by agents primarily affecting gastrointestinal system	ICD-9-CM	Diagnosis
E858.5	Accidental poisoning by water, mineral, and uric acid metabolism drugs	ICD-9-CM	Diagnosis
E858.6	Accidental poisoning by agents primarily acting on the smooth and skeletal muscles and respiratory system	ICD-9-CM	Diagnosis
E858.7	Accidental poisoning by agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological, and dental drugs	ICD-9-CM	Diagnosis
E858.8	Accidental poisoning by other specified drugs	ICD-9-CM	Diagnosis
E858.9	Accidental poisoning by unspecified drug	ICD-9-CM	Diagnosis
E860	Accidental poisoning by alcohol, not elsewhere classified	ICD-9-CM	Diagnosis
E860.0	Accidental poisoning by alcoholic beverages	ICD-9-CM	Diagnosis
E860.1	Accidental poisoning by other and unspecified ethyl alcohol and its products	ICD-9-CM	Diagnosis
E860.2	Accidental poisoning by methyl alcohol	ICD-9-CM	Diagnosis
E860.3	Accidental poisoning by isopropyl alcohol	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E860.4	Accidental poisoning by fusel oil	ICD-9-CM	Diagnosis
E860.8	Accidental poisoning by other specified alcohols	ICD-9-CM	Diagnosis
E860.9	Accidental poisoning by unspecified alcohol	ICD-9-CM	Diagnosis
E861	Accidental poisoning by cleansing and polishing agents, disinfectants, paints, and varnishes	ICD-9-CM	Diagnosis
E861.0	Accidental poisoning by synthetic detergents and shampoos	ICD-9-CM	Diagnosis
E861.1	Accidental poisoning by soap products	ICD-9-CM	Diagnosis
E861.2	Accidental poisoning by polishes	ICD-9-CM	Diagnosis
E861.3	Accidental poisoning by other cleansing and polishing agents	ICD-9-CM	Diagnosis
E861.4	Accidental poisoning by disinfectants	ICD-9-CM	Diagnosis
E861.5	Accidental poisoning by lead paints	ICD-9-CM	Diagnosis
E861.6	Accidental poisoning by other paints and varnishes	ICD-9-CM	Diagnosis
E861.9	Accidental poisonings by unspecified cleansing and polishing agents, disinfectants, paints, and varnishes	ICD-9-CM	Diagnosis
E862	Accidental poisoning by petroleum products, other solvents and their vapors, not elsewhere classified	ICD-9-CM	Diagnosis
E862.0	Accidental poisoning by petroleum solvents	ICD-9-CM	Diagnosis
E862.1	Accidental poisoning by petroleum fuels and cleaners	ICD-9-CM	Diagnosis
E862.2	Accidental poisoning by lubricating oils	ICD-9-CM	Diagnosis
E862.3	Accidental poisoning by petroleum solids	ICD-9-CM	Diagnosis
E862.4	Accidental poisoning by other specified solvents	ICD-9-CM	Diagnosis
E862.9	Accidental poisoning by unspecified solvent	ICD-9-CM	Diagnosis
E863	Accidental poisoning by agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers	ICD-9-CM	Diagnosis
E863.0	Accidental poisoning by insecticides of organochlorine compounds	ICD-9-CM	Diagnosis
E863.1	Accidental poisoning by insecticides of organophosphorus compounds	ICD-9-CM	Diagnosis
E863.2	Accidental poisoning by carbamates	ICD-9-CM	Diagnosis
E863.3	Accidental poisoning by mixtures of insecticides	ICD-9-CM	Diagnosis
E863.4	Accidental poisoning by other and unspecified insecticides	ICD-9-CM	Diagnosis
E863.5	Accidental poisoning by herbicides	ICD-9-CM	Diagnosis
E863.6	Accidental poisoning by fungicides	ICD-9-CM	Diagnosis
E863.7	Accidental poisoning by rodenticides	ICD-9-CM	Diagnosis
E863.8	Accidental poisoning by fumigants	ICD-9-CM	Diagnosis
E863.9	Accidental poisoning by other and unspecified agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers	ICD-9-CM	Diagnosis
E864	Accidental poisoning by corrosives and caustics, not elsewhere classified	ICD-9-CM	Diagnosis
E864.0	Accidental poisoning by corrosive aromatics not elsewhere classified	ICD-9-CM	Diagnosis
E864.1	Accidental poisoning by acids not elsewhere classified	ICD-9-CM	Diagnosis
E864.2	Accidental poisoning by caustic alkalis not elsewhere classified	ICD-9-CM	Diagnosis
E864.3	Accidental poisoning by other specified corrosives and caustics not elsewhere classified	ICD-9-CM	Diagnosis
E864.4	Accidental poisoning by unspecified corrosives and caustics not elsewhere classified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E865	Accidental poisoning from poisonous foodstuffs and poisonous plants	ICD-9-CM	Diagnosis
E865.0	Accidental poisoning by meat	ICD-9-CM	Diagnosis
E865.1	Accidental poisoning by shellfish	ICD-9-CM	Diagnosis
E865.2	Accidental poisoning from other fish	ICD-9-CM	Diagnosis
E865.3	Accidental poisoning from berries and seeds	ICD-9-CM	Diagnosis
E865.4	Accidental poisoning from other specified plants	ICD-9-CM	Diagnosis
E865.5	Accidental poisoning from mushrooms and other fungi	ICD-9-CM	Diagnosis
E865.8	Accidental poisoning from other specified foods	ICD-9-CM	Diagnosis
E865.9	Accidental poisoning from unspecified foodstuff or poisonous plant	ICD-9-CM	Diagnosis
E866	Accidental poisoning by other and unspecified solid and liquid substances	ICD-9-CM	Diagnosis
E866.0	Accidental poisoning by lead and its compounds and fumes	ICD-9-CM	Diagnosis
E866.1	Accidental poisoning by mercury and its compounds and fumes	ICD-9-CM	Diagnosis
E866.2	Accidental poisoning by antimony and its compounds and fumes	ICD-9-CM	Diagnosis
E866.3	Accidental poisoning by arsenic and its compounds and fumes	ICD-9-CM	Diagnosis
E866.4	Accidental poisoning by other metals and their compounds and fumes	ICD-9-CM	Diagnosis
E866.5	Accidental poisoning by plant foods and fertilizers	ICD-9-CM	Diagnosis
E866.6	Accidental poisoning by glues and adhesives	ICD-9-CM	Diagnosis
E866.7	Accidental poisoning by cosmetics	ICD-9-CM	Diagnosis
E866.8	Accidental poisoning by other specified solid or liquid substances	ICD-9-CM	Diagnosis
E866.9	Accidental poisoning by unspecified solid or liquid substance	ICD-9-CM	Diagnosis
E867	Accidental poisoning by gas distributed by pipeline	ICD-9-CM	Diagnosis
E868	Accidental poisoning by other utility gas and other carbon monoxide	ICD-9-CM	Diagnosis
E868.0	Accidental poisoning by liquefied petroleum gas distributed in mobile containers	ICD-9-CM	Diagnosis
E868.1	Accidental poisoning by other and unspecified utility gas	ICD-9-CM	Diagnosis
E868.2	Accidental poisoning by motor vehicle exhaust gas	ICD-9-CM	Diagnosis
E868.3	Accidental poisoning by carbon monoxide from incomplete combustion of other domestic fuels	ICD-9-CM	Diagnosis
E868.8	Accidental poisoning by carbon monoxide from other sources	ICD-9-CM	Diagnosis
E868.9	Accidental poisoning by unspecified carbon monoxide	ICD-9-CM	Diagnosis
E869	Accidental poisoning by other gases and vapors	ICD-9-CM	Diagnosis
E869.0	Accidental poisoning by nitrogen oxides	ICD-9-CM	Diagnosis
E869.1	Accidental poisoning by sulfur dioxide	ICD-9-CM	Diagnosis
E869.2	Accidental poisoning by freon	ICD-9-CM	Diagnosis
E869.3	Accidental poisoning by lacrimogenic gas (tear gas)	ICD-9-CM	Diagnosis
E869.4	Accidental poisoning by second-hand tobacco smoke	ICD-9-CM	Diagnosis
E869.8	Accidental poisoning by other specified gases and vapors	ICD-9-CM	Diagnosis
E869.9	Accidental poisoning by unspecified gases and vapors	ICD-9-CM	Diagnosis
E950	Suicide and self-inflicted poisoning by solid or liquid substances	ICD-9-CM	Diagnosis
E950.0	Suicide and self-inflicted poisoning by analgesics, antipyretics, and antirheumatics	ICD-9-CM	Diagnosis
E950.1	Suicide and self-inflicted poisoning by barbiturates	ICD-9-CM	Diagnosis
E950.2	Suicide and self-inflicted poisoning by other sedatives and hypnotics	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E950.3	Suicide and self-inflicted poisoning by tranquilizers and other psychotropic agents	ICD-9-CM	Diagnosis
E950.4	Suicide and self-inflicted poisoning by other specified drugs and medicinal substances	ICD-9-CM	Diagnosis
E950.5	Suicide and self-inflicted poisoning by unspecified drug or medicinal substance	ICD-9-CM	Diagnosis
E950.6	Suicide and self-inflicted poisoning by agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers	ICD-9-CM	Diagnosis
E950.7	Suicide and self-inflicted poisoning by corrosive and caustic substances	ICD-9-CM	Diagnosis
E950.8	Suicide and self-inflicted poisoning by arsenic and its compounds	ICD-9-CM	Diagnosis
E950.9	Suicide and self-inflicted poisoning by other and unspecified solid and liquid substances	ICD-9-CM	Diagnosis
E951	Suicide and self-inflicted poisoning by gases in domestic use	ICD-9-CM	Diagnosis
E951.0	Suicide and self-inflicted poisoning by gas distributed by pipeline	ICD-9-CM	Diagnosis
E951.1	Suicide and self-inflicted poisoning by liquefied petroleum gas distributed in mobile containers	ICD-9-CM	Diagnosis
E951.8	Suicide and self-inflicted poisoning by other utility gas	ICD-9-CM	Diagnosis
E952	Suicide and self-inflicted poisoning by other gases and vapors	ICD-9-CM	Diagnosis
E952.0	Suicide and self-inflicted poisoning by motor vehicle exhaust gas	ICD-9-CM	Diagnosis
E952.1	Suicide and self-inflicted poisoning by other carbon monoxide	ICD-9-CM	Diagnosis
E952.8	Suicide and self-inflicted poisoning by other specified gases and vapors	ICD-9-CM	Diagnosis
E952.9	Suicide and self-inflicted poisoning by unspecified gases and vapors	ICD-9-CM	Diagnosis
E962	Assault by poisoning	ICD-9-CM	Diagnosis
E962.0	Assault by drugs and medicinal substances	ICD-9-CM	Diagnosis
E962.1	Assault by other solid and liquid substances	ICD-9-CM	Diagnosis
E962.2	Assault by other gases and vapors	ICD-9-CM	Diagnosis
E962.9	Assault by unspecified poisoning	ICD-9-CM	Diagnosis
E972	Injury due to legal intervention by gas	ICD-9-CM	Diagnosis
E975	Injury due to legal intervention by other specified means	ICD-9-CM	Diagnosis
E976	Injury due to legal intervention by unspecified means	ICD-9-CM	Diagnosis
E980	Poisoning by solid or liquid substances, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.0	Poisoning by analgesics, antipyretics, and antirheumatics, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.1	Poisoning by barbiturates, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.2	Poisoning by other sedatives and hypnotics, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.3	Poisoning by tranquilizers and other psychotropic agents, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.4	Poisoning by other specified drugs and medicinal substances, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.5	Poisoning by unspecified drug or medicinal substance, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E980.6	Poisoning by corrosive and caustic substances, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.7	Poisoning by agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.8	Poisoning by arsenic and its compounds, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E980.9	Poisoning by other and unspecified solid and liquid substances, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E981	Poisoning by gases in domestic use, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E981.0	Poisoning by gas distributed by pipeline, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E981.1	Poisoning by liquefied petroleum gas distributed in mobile containers, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E981.8	Poisoning by other utility gas, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E982	Poisoning by other gases, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E982.0	Poisoning by motor vehicle exhaust gas, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E982.1	Poisoning by other carbon monoxide, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E982.8	Poisoning by other specified gases and vapors, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
E982.9	Poisoning by unspecified gases and vapors, undetermined whether accidentally or purposely inflicted	ICD-9-CM	Diagnosis
M1A.10X0	Lead-induced chronic gout, unspecified site, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.10X1	Lead-induced chronic gout, unspecified site, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1110	Lead-induced chronic gout, right shoulder, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1111	Lead-induced chronic gout, right shoulder, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1120	Lead-induced chronic gout, left shoulder, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1121	Lead-induced chronic gout, left shoulder, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1190	Lead-induced chronic gout, unspecified shoulder, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1191	Lead-induced chronic gout, unspecified shoulder, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1210	Lead-induced chronic gout, right elbow, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1211	Lead-induced chronic gout, right elbow, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1220	Lead-induced chronic gout, left elbow, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1221	Lead-induced chronic gout, left elbow, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1290	Lead-induced chronic gout, unspecified elbow, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1291	Lead-induced chronic gout, unspecified elbow, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1310	Lead-induced chronic gout, right wrist, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1311	Lead-induced chronic gout, right wrist, with tophus (tophi)	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
M1A.1320	Lead-induced chronic gout, left wrist, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1321	Lead-induced chronic gout, left wrist, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1390	Lead-induced chronic gout, unspecified wrist, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1391	Lead-induced chronic gout, unspecified wrist, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1410	Lead-induced chronic gout, right hand, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1411	Lead-induced chronic gout, right hand, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1420	Lead-induced chronic gout, left hand, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1421	Lead-induced chronic gout, left hand, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1490	Lead-induced chronic gout, unspecified hand, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1491	Lead-induced chronic gout, unspecified hand, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1510	Lead-induced chronic gout, right hip, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1511	Lead-induced chronic gout, right hip, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1520	Lead-induced chronic gout, left hip, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1521	Lead-induced chronic gout, left hip, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1590	Lead-induced chronic gout, unspecified hip, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1591	Lead-induced chronic gout, unspecified hip, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1610	Lead-induced chronic gout, right knee, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1611	Lead-induced chronic gout, right knee, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1620	Lead-induced chronic gout, left knee, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1621	Lead-induced chronic gout, left knee, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1690	Lead-induced chronic gout, unspecified knee, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1691	Lead-induced chronic gout, unspecified knee, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1710	Lead-induced chronic gout, right ankle and foot, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1711	Lead-induced chronic gout, right ankle and foot, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1720	Lead-induced chronic gout, left ankle and foot, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1721	Lead-induced chronic gout, left ankle and foot, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1790	Lead-induced chronic gout, unspecified ankle and foot, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.1791	Lead-induced chronic gout, unspecified ankle and foot, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.18X0	Lead-induced chronic gout, vertebrae, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.18X1	Lead-induced chronic gout, vertebrae, with tophus (tophi)	ICD-10-CM	Diagnosis
M1A.19X0	Lead-induced chronic gout, multiple sites, without tophus (tophi)	ICD-10-CM	Diagnosis
M1A.19X1	Lead-induced chronic gout, multiple sites, with tophus (tophi)	ICD-10-CM	Diagnosis
T36.0X1A	Poisoning by penicillins, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.0X2A	Poisoning by penicillins, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.0X3A	Poisoning by penicillins, assault, initial encounter	ICD-10-CM	Diagnosis
T36.0X4A	Poisoning by penicillins, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.1X1A	Poisoning by cephalosporins and other beta-lactam antibiotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.1X2A	Poisoning by cephalosporins and other beta-lactam antibiotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.1X3A	Poisoning by cephalosporins and other beta-lactam antibiotics, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T36.1X4A	Poisoning by cephalosporins and other beta-lactam antibiotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.2X1A	Poisoning by chloramphenicol group, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.2X2A	Poisoning by chloramphenicol group, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.2X3A	Poisoning by chloramphenicol group, assault, initial encounter	ICD-10-CM	Diagnosis
T36.2X4A	Poisoning by chloramphenicol group, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.3X1A	Poisoning by macrolides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.3X2A	Poisoning by macrolides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.3X3A	Poisoning by macrolides, assault, initial encounter	ICD-10-CM	Diagnosis
T36.3X4A	Poisoning by macrolides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.4X1A	Poisoning by tetracyclines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.4X2A	Poisoning by tetracyclines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.4X3A	Poisoning by tetracyclines, assault, initial encounter	ICD-10-CM	Diagnosis
T36.4X4A	Poisoning by tetracyclines, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.5X1A	Poisoning by aminoglycosides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.5X2A	Poisoning by aminoglycosides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.5X3A	Poisoning by aminoglycosides, assault, initial encounter	ICD-10-CM	Diagnosis
T36.5X4A	Poisoning by aminoglycosides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.6X1A	Poisoning by rifampicins, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.6X2A	Poisoning by rifampicins, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.6X3A	Poisoning by rifampicins, assault, initial encounter	ICD-10-CM	Diagnosis
T36.6X4A	Poisoning by rifampicins, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.7X1A	Poisoning by antifungal antibiotics, systemically used, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.7X2A	Poisoning by antifungal antibiotics, systemically used, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.7X3A	Poisoning by antifungal antibiotics, systemically used, assault, initial encounter	ICD-10-CM	Diagnosis
T36.7X4A	Poisoning by antifungal antibiotics, systemically used, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.8X1A	Poisoning by other systemic antibiotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.8X2A	Poisoning by other systemic antibiotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.8X3A	Poisoning by other systemic antibiotics, assault, initial encounter	ICD-10-CM	Diagnosis
T36.8X4A	Poisoning by other systemic antibiotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T36.91XA	Poisoning by unspecified systemic antibiotic, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T36.92XA	Poisoning by unspecified systemic antibiotic, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T36.93XA	Poisoning by unspecified systemic antibiotic, assault, initial encounter	ICD-10-CM	Diagnosis
T36.94XA	Poisoning by unspecified systemic antibiotic, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.0X1A	Poisoning by sulfonamides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.0X2A	Poisoning by sulfonamides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T37.0X3A	Poisoning by sulfonamides, assault, initial encounter	ICD-10-CM	Diagnosis
T37.0X4A	Poisoning by sulfonamides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.1X1A	Poisoning by antimycobacterial drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.1X2A	Poisoning by antimycobacterial drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.1X3A	Poisoning by antimycobacterial drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T37.1X4A	Poisoning by antimycobacterial drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.2X1A	Poisoning by antimalarials and drugs acting on other blood protozoa, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.2X2A	Poisoning by antimalarials and drugs acting on other blood protozoa, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.2X3A	Poisoning by antimalarials and drugs acting on other blood protozoa, assault, initial encounter	ICD-10-CM	Diagnosis
T37.2X4A	Poisoning by antimalarials and drugs acting on other blood protozoa, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.3X1A	Poisoning by other antiprotozoal drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.3X2A	Poisoning by other antiprotozoal drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.3X3A	Poisoning by other antiprotozoal drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T37.3X4A	Poisoning by other antiprotozoal drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.4X1A	Poisoning by anthelmintics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.4X2A	Poisoning by anthelmintics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.4X3A	Poisoning by anthelmintics, assault, initial encounter	ICD-10-CM	Diagnosis
T37.4X4A	Poisoning by anthelmintics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.5X1A	Poisoning by antiviral drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.5X2A	Poisoning by antiviral drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.5X3A	Poisoning by antiviral drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T37.5X4A	Poisoning by antiviral drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.8X1A	Poisoning by other specified systemic anti-infectives and antiparasitics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.8X2A	Poisoning by other specified systemic anti-infectives and antiparasitics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.8X3A	Poisoning by other specified systemic anti-infectives and antiparasitics, assault, initial encounter	ICD-10-CM	Diagnosis
T37.8X4A	Poisoning by other specified systemic anti-infectives and antiparasitics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T37.91XA	Poisoning by unspecified systemic anti-infective and antiparasitics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T37.92XA	Poisoning by unspecified systemic anti-infective and antiparasitics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T37.93XA	Poisoning by unspecified systemic anti-infective and antiparasitics, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T37.94XA	Poisoning by unspecified systemic anti-infective and antiparasitics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.0X1A	Poisoning by glucocorticoids and synthetic analogues, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.0X2A	Poisoning by glucocorticoids and synthetic analogues, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.0X3A	Poisoning by glucocorticoids and synthetic analogues, assault, initial encounter	ICD-10-CM	Diagnosis
T38.0X4A	Poisoning by glucocorticoids and synthetic analogues, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.1X1A	Poisoning by thyroid hormones and substitutes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.1X2A	Poisoning by thyroid hormones and substitutes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.1X3A	Poisoning by thyroid hormones and substitutes, assault, initial encounter	ICD-10-CM	Diagnosis
T38.1X4A	Poisoning by thyroid hormones and substitutes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.2X1A	Poisoning by antithyroid drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.2X2A	Poisoning by antithyroid drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.2X3A	Poisoning by antithyroid drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T38.2X4A	Poisoning by antithyroid drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.3X1A	Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.3X2A	Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.3X3A	Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T38.3X4A	Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.4X1A	Poisoning by oral contraceptives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.4X2A	Poisoning by oral contraceptives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.4X3A	Poisoning by oral contraceptives, assault, initial encounter	ICD-10-CM	Diagnosis
T38.4X4A	Poisoning by oral contraceptives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.5X1A	Poisoning by other estrogens and progestogens, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.5X2A	Poisoning by other estrogens and progestogens, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.5X3A	Poisoning by other estrogens and progestogens, assault, initial encounter	ICD-10-CM	Diagnosis
T38.5X4A	Poisoning by other estrogens and progestogens, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.6X1A	Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.6X2A	Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T38.6X3A	Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, assault, initial encounter	ICD-10-CM	Diagnosis
T38.6X4A	Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.7X1A	Poisoning by androgens and anabolic congeners, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.7X2A	Poisoning by androgens and anabolic congeners, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.7X3A	Poisoning by androgens and anabolic congeners, assault, initial encounter	ICD-10-CM	Diagnosis
T38.7X4A	Poisoning by androgens and anabolic congeners, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.801A	Poisoning by unspecified hormones and synthetic substitutes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.802A	Poisoning by unspecified hormones and synthetic substitutes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.803A	Poisoning by unspecified hormones and synthetic substitutes, assault, initial encounter	ICD-10-CM	Diagnosis
T38.804A	Poisoning by unspecified hormones and synthetic substitutes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.811A	Poisoning by anterior pituitary [adenohypophyseal] hormones, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.812A	Poisoning by anterior pituitary [adenohypophyseal] hormones, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.813A	Poisoning by anterior pituitary [adenohypophyseal] hormones, assault, initial encounter	ICD-10-CM	Diagnosis
T38.814A	Poisoning by anterior pituitary [adenohypophyseal] hormones, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.891A	Poisoning by other hormones and synthetic substitutes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.892A	Poisoning by other hormones and synthetic substitutes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.893A	Poisoning by other hormones and synthetic substitutes, assault, initial encounter	ICD-10-CM	Diagnosis
T38.894A	Poisoning by other hormones and synthetic substitutes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.901A	Poisoning by unspecified hormone antagonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T38.902A	Poisoning by unspecified hormone antagonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.903A	Poisoning by unspecified hormone antagonists, assault, initial encounter	ICD-10-CM	Diagnosis
T38.904A	Poisoning by unspecified hormone antagonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T38.991A	Poisoning by other hormone antagonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T38.992A	Poisoning by other hormone antagonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T38.993A	Poisoning by other hormone antagonists, assault, initial encounter	ICD-10-CM	Diagnosis
T38.994A	Poisoning by other hormone antagonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.011A	Poisoning by aspirin, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.012A	Poisoning by aspirin, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.013A	Poisoning by aspirin, assault, initial encounter	ICD-10-CM	Diagnosis
T39.014A	Poisoning by aspirin, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.091A	Poisoning by salicylates, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.092A	Poisoning by salicylates, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.093A	Poisoning by salicylates, assault, initial encounter	ICD-10-CM	Diagnosis
T39.094A	Poisoning by salicylates, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.1X1A	Poisoning by 4-Aminophenol derivatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.1X2A	Poisoning by 4-Aminophenol derivatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.1X3A	Poisoning by 4-Aminophenol derivatives, assault, initial encounter	ICD-10-CM	Diagnosis
T39.1X4A	Poisoning by 4-Aminophenol derivatives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.2X1A	Poisoning by pyrazolone derivatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.2X2A	Poisoning by pyrazolone derivatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.2X3A	Poisoning by pyrazolone derivatives, assault, initial encounter	ICD-10-CM	Diagnosis
T39.2X4A	Poisoning by pyrazolone derivatives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.311A	Poisoning by propionic acid derivatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.312A	Poisoning by propionic acid derivatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.313A	Poisoning by propionic acid derivatives, assault, initial encounter	ICD-10-CM	Diagnosis
T39.314A	Poisoning by propionic acid derivatives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.391A	Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.392A	Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.393A	Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], assault, initial encounter	ICD-10-CM	Diagnosis
T39.394A	Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.4X1A	Poisoning by antirheumatics, not elsewhere classified, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.4X2A	Poisoning by antirheumatics, not elsewhere classified, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.4X3A	Poisoning by antirheumatics, not elsewhere classified, assault, initial encounter	ICD-10-CM	Diagnosis
T39.4X4A	Poisoning by antirheumatics, not elsewhere classified, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T39.8X1A	Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.8X2A	Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.8X3A	Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, assault, initial encounter	ICD-10-CM	Diagnosis
T39.8X4A	Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, undetermined, initial encounter	ICD-10-CM	Diagnosis
T39.91XA	Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T39.92XA	Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T39.93XA	Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, assault, initial encounter	ICD-10-CM	Diagnosis
T39.94XA	Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.0X1A	Poisoning by opium, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.0X2A	Poisoning by opium, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.0X3A	Poisoning by opium, assault, initial encounter	ICD-10-CM	Diagnosis
T40.0X4A	Poisoning by opium, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.1X1A	Poisoning by heroin, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.1X2A	Poisoning by heroin, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.1X3A	Poisoning by heroin, assault, initial encounter	ICD-10-CM	Diagnosis
T40.1X4A	Poisoning by heroin, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.2X1A	Poisoning by other opioids, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.2X2A	Poisoning by other opioids, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.2X3A	Poisoning by other opioids, assault, initial encounter	ICD-10-CM	Diagnosis
T40.2X4A	Poisoning by other opioids, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.3X1A	Poisoning by methadone, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.3X2A	Poisoning by methadone, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.3X3A	Poisoning by methadone, assault, initial encounter	ICD-10-CM	Diagnosis
T40.3X4A	Poisoning by methadone, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.4X1A	Poisoning by other synthetic narcotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.4X2A	Poisoning by other synthetic narcotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.4X3A	Poisoning by other synthetic narcotics, assault, initial encounter	ICD-10-CM	Diagnosis
T40.4X4A	Poisoning by other synthetic narcotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.5X1A	Poisoning by cocaine, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.5X2A	Poisoning by cocaine, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.5X3A	Poisoning by cocaine, assault, initial encounter	ICD-10-CM	Diagnosis
T40.5X4A	Poisoning by cocaine, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.601A	Poisoning by unspecified narcotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.602A	Poisoning by unspecified narcotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T40.603A	Poisoning by unspecified narcotics, assault, initial encounter	ICD-10-CM	Diagnosis
T40.604A	Poisoning by unspecified narcotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.691A	Poisoning by other narcotics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.692A	Poisoning by other narcotics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.693A	Poisoning by other narcotics, assault, initial encounter	ICD-10-CM	Diagnosis
T40.694A	Poisoning by other narcotics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.7X1A	Poisoning by cannabis (derivatives), accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.7X2A	Poisoning by cannabis (derivatives), intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.7X3A	Poisoning by cannabis (derivatives), assault, initial encounter	ICD-10-CM	Diagnosis
T40.7X4A	Poisoning by cannabis (derivatives), undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.8X1A	Poisoning by lysergide [LSD], accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.8X2A	Poisoning by lysergide [LSD], intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.8X3A	Poisoning by lysergide [LSD], assault, initial encounter	ICD-10-CM	Diagnosis
T40.8X4A	Poisoning by lysergide [LSD], undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.901A	Poisoning by unspecified psychodysleptics [hallucinogens], accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.902A	Poisoning by unspecified psychodysleptics [hallucinogens], intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.903A	Poisoning by unspecified psychodysleptics [hallucinogens], assault, initial encounter	ICD-10-CM	Diagnosis
T40.904A	Poisoning by unspecified psychodysleptics [hallucinogens], undetermined, initial encounter	ICD-10-CM	Diagnosis
T40.991A	Poisoning by other psychodysleptics [hallucinogens], accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T40.992A	Poisoning by other psychodysleptics [hallucinogens], intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T40.993A	Poisoning by other psychodysleptics [hallucinogens], assault, initial encounter	ICD-10-CM	Diagnosis
T40.994A	Poisoning by other psychodysleptics [hallucinogens], undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.0X1A	Poisoning by inhaled anesthetics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.0X2A	Poisoning by inhaled anesthetics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.0X3A	Poisoning by inhaled anesthetics, assault, initial encounter	ICD-10-CM	Diagnosis
T41.0X4A	Poisoning by inhaled anesthetics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.1X1A	Poisoning by intravenous anesthetics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.1X2A	Poisoning by intravenous anesthetics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.1X3A	Poisoning by intravenous anesthetics, assault, initial encounter	ICD-10-CM	Diagnosis
T41.1X4A	Poisoning by intravenous anesthetics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.201A	Poisoning by unspecified general anesthetics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.202A	Poisoning by unspecified general anesthetics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.203A	Poisoning by unspecified general anesthetics, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T41.204A	Poisoning by unspecified general anesthetics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.291A	Poisoning by other general anesthetics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.292A	Poisoning by other general anesthetics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.293A	Poisoning by other general anesthetics, assault, initial encounter	ICD-10-CM	Diagnosis
T41.294A	Poisoning by other general anesthetics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.3X1A	Poisoning by local anesthetics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.3X2A	Poisoning by local anesthetics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.3X3A	Poisoning by local anesthetics, assault, initial encounter	ICD-10-CM	Diagnosis
T41.3X4A	Poisoning by local anesthetics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.41XA	Poisoning by unspecified anesthetic, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.42XA	Poisoning by unspecified anesthetic, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.43XA	Poisoning by unspecified anesthetic, assault, initial encounter	ICD-10-CM	Diagnosis
T41.44XA	Poisoning by unspecified anesthetic, undetermined, initial encounter	ICD-10-CM	Diagnosis
T41.5X1A	Poisoning by therapeutic gases, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T41.5X2A	Poisoning by therapeutic gases, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T41.5X3A	Poisoning by therapeutic gases, assault, initial encounter	ICD-10-CM	Diagnosis
T41.5X4A	Poisoning by therapeutic gases, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.0X1A	Poisoning by hydantoin derivatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.0X2A	Poisoning by hydantoin derivatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.0X3A	Poisoning by hydantoin derivatives, assault, initial encounter	ICD-10-CM	Diagnosis
T42.0X4A	Poisoning by hydantoin derivatives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.1X1A	Poisoning by iminostilbenes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.1X2A	Poisoning by iminostilbenes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.1X3A	Poisoning by iminostilbenes, assault, initial encounter	ICD-10-CM	Diagnosis
T42.1X4A	Poisoning by iminostilbenes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.2X1A	Poisoning by succinimides and oxazolidinediones, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.2X2A	Poisoning by succinimides and oxazolidinediones, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.2X3A	Poisoning by succinimides and oxazolidinediones, assault, initial encounter	ICD-10-CM	Diagnosis
T42.2X4A	Poisoning by succinimides and oxazolidinediones, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.3X1A	Poisoning by barbiturates, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.3X2A	Poisoning by barbiturates, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.3X3A	Poisoning by barbiturates, assault, initial encounter	ICD-10-CM	Diagnosis
T42.3X4A	Poisoning by barbiturates, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.4X1A	Poisoning by benzodiazepines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.4X2A	Poisoning by benzodiazepines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.4X3A	Poisoning by benzodiazepines, assault, initial encounter	ICD-10-CM	Diagnosis
T42.4X4A	Poisoning by benzodiazepines, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.5X1A	Poisoning by mixed antiepileptics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.5X2A	Poisoning by mixed antiepileptics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T42.5X3A	Poisoning by mixed antiepileptics, assault, initial encounter	ICD-10-CM	Diagnosis
T42.5X4A	Poisoning by mixed antiepileptics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.6X1A	Poisoning by other antiepileptic and sedative-hypnotic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.6X2A	Poisoning by other antiepileptic and sedative-hypnotic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.6X3A	Poisoning by other antiepileptic and sedative-hypnotic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T42.6X4A	Poisoning by other antiepileptic and sedative-hypnotic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.71XA	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.72XA	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.73XA	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T42.74XA	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T42.8X1A	Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T42.8X2A	Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T42.8X3A	Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, assault, initial encounter	ICD-10-CM	Diagnosis
T42.8X4A	Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.011A	Poisoning by tricyclic antidepressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.012A	Poisoning by tricyclic antidepressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.013A	Poisoning by tricyclic antidepressants, assault, initial encounter	ICD-10-CM	Diagnosis
T43.014A	Poisoning by tricyclic antidepressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.021A	Poisoning by tetracyclic antidepressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.022A	Poisoning by tetracyclic antidepressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.023A	Poisoning by tetracyclic antidepressants, assault, initial encounter	ICD-10-CM	Diagnosis
T43.024A	Poisoning by tetracyclic antidepressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.1X1A	Poisoning by monoamine-oxidase-inhibitor antidepressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.1X2A	Poisoning by monoamine-oxidase-inhibitor antidepressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.1X3A	Poisoning by monoamine-oxidase-inhibitor antidepressants, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T43.1X4A	Poisoning by monoamine-oxidase-inhibitor antidepressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.201A	Poisoning by unspecified antidepressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.202A	Poisoning by unspecified antidepressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.203A	Poisoning by unspecified antidepressants, assault, initial encounter	ICD-10-CM	Diagnosis
T43.204A	Poisoning by unspecified antidepressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.211A	Poisoning by selective serotonin and norepinephrine reuptake inhibitors, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.212A	Poisoning by selective serotonin and norepinephrine reuptake inhibitors, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.213A	Poisoning by selective serotonin and norepinephrine reuptake inhibitors, assault, initial encounter	ICD-10-CM	Diagnosis
T43.214A	Poisoning by selective serotonin and norepinephrine reuptake inhibitors, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.221A	Poisoning by selective serotonin reuptake inhibitors, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.222A	Poisoning by selective serotonin reuptake inhibitors, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.223A	Poisoning by selective serotonin reuptake inhibitors, assault, initial encounter	ICD-10-CM	Diagnosis
T43.224A	Poisoning by selective serotonin reuptake inhibitors, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.291A	Poisoning by other antidepressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.292A	Poisoning by other antidepressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.293A	Poisoning by other antidepressants, assault, initial encounter	ICD-10-CM	Diagnosis
T43.294A	Poisoning by other antidepressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.3X1A	Poisoning by phenothiazine antipsychotics and neuroleptics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.3X2A	Poisoning by phenothiazine antipsychotics and neuroleptics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.3X3A	Poisoning by phenothiazine antipsychotics and neuroleptics, assault, initial encounter	ICD-10-CM	Diagnosis
T43.3X4A	Poisoning by phenothiazine antipsychotics and neuroleptics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.4X1A	Poisoning by butyrophenone and thiothixene neuroleptics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.4X2A	Poisoning by butyrophenone and thiothixene neuroleptics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.4X3A	Poisoning by butyrophenone and thiothixene neuroleptics, assault, initial encounter	ICD-10-CM	Diagnosis
T43.4X4A	Poisoning by butyrophenone and thiothixene neuroleptics, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T43.501A	Poisoning by unspecified antipsychotics and neuroleptics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.502A	Poisoning by unspecified antipsychotics and neuroleptics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.503A	Poisoning by unspecified antipsychotics and neuroleptics, assault, initial encounter	ICD-10-CM	Diagnosis
T43.504A	Poisoning by unspecified antipsychotics and neuroleptics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.591A	Poisoning by other antipsychotics and neuroleptics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.592A	Poisoning by other antipsychotics and neuroleptics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.593A	Poisoning by other antipsychotics and neuroleptics, assault, initial encounter	ICD-10-CM	Diagnosis
T43.594A	Poisoning by other antipsychotics and neuroleptics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.601A	Poisoning by unspecified psychostimulants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.602A	Poisoning by unspecified psychostimulants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.603A	Poisoning by unspecified psychostimulants, assault, initial encounter	ICD-10-CM	Diagnosis
T43.604A	Poisoning by unspecified psychostimulants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.611A	Poisoning by caffeine, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.612A	Poisoning by caffeine, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.613A	Poisoning by caffeine, assault, initial encounter	ICD-10-CM	Diagnosis
T43.614A	Poisoning by caffeine, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.621A	Poisoning by amphetamines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.622A	Poisoning by amphetamines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.623A	Poisoning by amphetamines, assault, initial encounter	ICD-10-CM	Diagnosis
T43.624A	Poisoning by amphetamines, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.631A	Poisoning by methylphenidate, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.632A	Poisoning by methylphenidate, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.633A	Poisoning by methylphenidate, assault, initial encounter	ICD-10-CM	Diagnosis
T43.634A	Poisoning by methylphenidate, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.691A	Poisoning by other psychostimulants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.692A	Poisoning by other psychostimulants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.693A	Poisoning by other psychostimulants, assault, initial encounter	ICD-10-CM	Diagnosis
T43.694A	Poisoning by other psychostimulants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T43.8X1A	Poisoning by other psychotropic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.8X2A	Poisoning by other psychotropic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.8X3A	Poisoning by other psychotropic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T43.8X4A	Poisoning by other psychotropic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T43.91XA	Poisoning by unspecified psychotropic drug, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T43.92XA	Poisoning by unspecified psychotropic drug, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T43.93XA	Poisoning by unspecified psychotropic drug, assault, initial encounter	ICD-10-CM	Diagnosis
T43.94XA	Poisoning by unspecified psychotropic drug, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.0X1A	Poisoning by anticholinesterase agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.0X2A	Poisoning by anticholinesterase agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.0X3A	Poisoning by anticholinesterase agents, assault, initial encounter	ICD-10-CM	Diagnosis
T44.0X4A	Poisoning by anticholinesterase agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.1X1A	Poisoning by other parasympathomimetics [cholinergics], accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.1X2A	Poisoning by other parasympathomimetics [cholinergics], intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.1X3A	Poisoning by other parasympathomimetics [cholinergics], assault, initial encounter	ICD-10-CM	Diagnosis
T44.1X4A	Poisoning by other parasympathomimetics [cholinergics], undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.2X1A	Poisoning by ganglionic blocking drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.2X2A	Poisoning by ganglionic blocking drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.2X3A	Poisoning by ganglionic blocking drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T44.2X4A	Poisoning by ganglionic blocking drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.3X1A	Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.3X2A	Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.3X3A	Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, assault, initial encounter	ICD-10-CM	Diagnosis
T44.3X4A	Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.4X1A	Poisoning by predominantly alpha-adrenoreceptor agonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.4X2A	Poisoning by predominantly alpha-adrenoreceptor agonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.4X3A	Poisoning by predominantly alpha-adrenoreceptor agonists, assault, initial encounter	ICD-10-CM	Diagnosis
T44.4X4A	Poisoning by predominantly alpha-adrenoreceptor agonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.5X1A	Poisoning by predominantly beta-adrenoreceptor agonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T44.5X2A	Poisoning by predominantly beta-adrenoreceptor agonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.5X3A	Poisoning by predominantly beta-adrenoreceptor agonists, assault, initial encounter	ICD-10-CM	Diagnosis
T44.5X4A	Poisoning by predominantly beta-adrenoreceptor agonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.6X1A	Poisoning by alpha-adrenoreceptor antagonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.6X2A	Poisoning by alpha-adrenoreceptor antagonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.6X3A	Poisoning by alpha-adrenoreceptor antagonists, assault, initial encounter	ICD-10-CM	Diagnosis
T44.6X4A	Poisoning by alpha-adrenoreceptor antagonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.7X1A	Poisoning by beta-adrenoreceptor antagonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.7X2A	Poisoning by beta-adrenoreceptor antagonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.7X3A	Poisoning by beta-adrenoreceptor antagonists, assault, initial encounter	ICD-10-CM	Diagnosis
T44.7X4A	Poisoning by beta-adrenoreceptor antagonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.8X1A	Poisoning by centrally-acting and adrenergic-neuron-blocking agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.8X2A	Poisoning by centrally-acting and adrenergic-neuron-blocking agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.8X3A	Poisoning by centrally-acting and adrenergic-neuron-blocking agents, assault, initial encounter	ICD-10-CM	Diagnosis
T44.8X4A	Poisoning by centrally-acting and adrenergic-neuron-blocking agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.901A	Poisoning by unspecified drugs primarily affecting the autonomic nervous system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.902A	Poisoning by unspecified drugs primarily affecting the autonomic nervous system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.903A	Poisoning by unspecified drugs primarily affecting the autonomic nervous system, assault, initial encounter	ICD-10-CM	Diagnosis
T44.904A	Poisoning by unspecified drugs primarily affecting the autonomic nervous system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T44.991A	Poisoning by other drug primarily affecting the autonomic nervous system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T44.992A	Poisoning by other drug primarily affecting the autonomic nervous system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T44.993A	Poisoning by other drug primarily affecting the autonomic nervous system, assault, initial encounter	ICD-10-CM	Diagnosis
T44.994A	Poisoning by other drug primarily affecting the autonomic nervous system, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T45.0X1A	Poisoning by antiallergic and antiemetic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.0X2A	Poisoning by antiallergic and antiemetic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.0X3A	Poisoning by antiallergic and antiemetic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T45.0X4A	Poisoning by antiallergic and antiemetic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.1X1A	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.1X2A	Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.1X3A	Poisoning by antineoplastic and immunosuppressive drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T45.1X4A	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.2X1A	Poisoning by vitamins, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.2X2A	Poisoning by vitamins, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.2X3A	Poisoning by vitamins, assault, initial encounter	ICD-10-CM	Diagnosis
T45.2X4A	Poisoning by vitamins, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.3X1A	Poisoning by enzymes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.3X2A	Poisoning by enzymes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.3X3A	Poisoning by enzymes, assault, initial encounter	ICD-10-CM	Diagnosis
T45.3X4A	Poisoning by enzymes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.4X1A	Poisoning by iron and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.4X2A	Poisoning by iron and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.4X3A	Poisoning by iron and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T45.4X4A	Poisoning by iron and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.511A	Poisoning by anticoagulants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.512A	Poisoning by anticoagulants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.513A	Poisoning by anticoagulants, assault, initial encounter	ICD-10-CM	Diagnosis
T45.514A	Poisoning by anticoagulants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.521A	Poisoning by antithrombotic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.522A	Poisoning by antithrombotic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.523A	Poisoning by antithrombotic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T45.524A	Poisoning by antithrombotic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.601A	Poisoning by unspecified fibrinolysis-affecting drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.602A	Poisoning by unspecified fibrinolysis-affecting drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.603A	Poisoning by unspecified fibrinolysis-affecting drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T45.604A	Poisoning by unspecified fibrinolysis-affecting drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.611A	Poisoning by thrombolytic drug, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T45.612A	Poisoning by thrombolytic drug, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.613A	Poisoning by thrombolytic drug, assault, initial encounter	ICD-10-CM	Diagnosis
T45.614A	Poisoning by thrombolytic drug, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.621A	Poisoning by hemostatic drug, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.622A	Poisoning by hemostatic drug, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.623A	Poisoning by hemostatic drug, assault, initial encounter	ICD-10-CM	Diagnosis
T45.624A	Poisoning by hemostatic drug, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.691A	Poisoning by other fibrinolysis-affecting drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.692A	Poisoning by other fibrinolysis-affecting drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.693A	Poisoning by other fibrinolysis-affecting drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T45.694A	Poisoning by other fibrinolysis-affecting drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.7X1A	Poisoning by anticoagulant antagonists, vitamin K and other coagulants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.7X2A	Poisoning by anticoagulant antagonists, vitamin K and other coagulants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.7X3A	Poisoning by anticoagulant antagonists, vitamin K and other coagulants, assault, initial encounter	ICD-10-CM	Diagnosis
T45.7X4A	Poisoning by anticoagulant antagonists, vitamin K and other coagulants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.8X1A	Poisoning by other primarily systemic and hematological agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.8X2A	Poisoning by other primarily systemic and hematological agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.8X3A	Poisoning by other primarily systemic and hematological agents, assault, initial encounter	ICD-10-CM	Diagnosis
T45.8X4A	Poisoning by other primarily systemic and hematological agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T45.91XA	Poisoning by unspecified primarily systemic and hematological agent, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T45.92XA	Poisoning by unspecified primarily systemic and hematological agent, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T45.93XA	Poisoning by unspecified primarily systemic and hematological agent, assault, initial encounter	ICD-10-CM	Diagnosis
T45.94XA	Poisoning by unspecified primarily systemic and hematological agent, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.0X1A	Poisoning by cardiac-stimulant glycosides and drugs of similar action, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.0X2A	Poisoning by cardiac-stimulant glycosides and drugs of similar action, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.0X3A	Poisoning by cardiac-stimulant glycosides and drugs of similar action, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T46.0X4A	Poisoning by cardiac-stimulant glycosides and drugs of similar action, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.1X1A	Poisoning by calcium-channel blockers, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.1X2A	Poisoning by calcium-channel blockers, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.1X3A	Poisoning by calcium-channel blockers, assault, initial encounter	ICD-10-CM	Diagnosis
T46.1X4A	Poisoning by calcium-channel blockers, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.2X1A	Poisoning by other antidysrhythmic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.2X2A	Poisoning by other antidysrhythmic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.2X3A	Poisoning by other antidysrhythmic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T46.2X4A	Poisoning by other antidysrhythmic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.3X1A	Poisoning by coronary vasodilators, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.3X2A	Poisoning by coronary vasodilators, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.3X3A	Poisoning by coronary vasodilators, assault, initial encounter	ICD-10-CM	Diagnosis
T46.3X4A	Poisoning by coronary vasodilators, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.4X1A	Poisoning by angiotensin-converting-enzyme inhibitors, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.4X2A	Poisoning by angiotensin-converting-enzyme inhibitors, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.4X3A	Poisoning by angiotensin-converting-enzyme inhibitors, assault, initial encounter	ICD-10-CM	Diagnosis
T46.4X4A	Poisoning by angiotensin-converting-enzyme inhibitors, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.5X1A	Poisoning by other antihypertensive drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.5X2A	Poisoning by other antihypertensive drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.5X3A	Poisoning by other antihypertensive drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T46.5X4A	Poisoning by other antihypertensive drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.6X1A	Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.6X2A	Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.6X3A	Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T46.6X4A	Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.7X1A	Poisoning by peripheral vasodilators, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.7X2A	Poisoning by peripheral vasodilators, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.7X3A	Poisoning by peripheral vasodilators, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T46.7X4A	Poisoning by peripheral vasodilators, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.8X1A	Poisoning by antivaricose drugs, including sclerosing agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.8X2A	Poisoning by antivaricose drugs, including sclerosing agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.8X3A	Poisoning by antivaricose drugs, including sclerosing agents, assault, initial encounter	ICD-10-CM	Diagnosis
T46.8X4A	Poisoning by antivaricose drugs, including sclerosing agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.901A	Poisoning by unspecified agents primarily affecting the cardiovascular system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.902A	Poisoning by unspecified agents primarily affecting the cardiovascular system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.903A	Poisoning by unspecified agents primarily affecting the cardiovascular system, assault, initial encounter	ICD-10-CM	Diagnosis
T46.904A	Poisoning by unspecified agents primarily affecting the cardiovascular system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T46.991A	Poisoning by other agents primarily affecting the cardiovascular system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T46.992A	Poisoning by other agents primarily affecting the cardiovascular system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T46.993A	Poisoning by other agents primarily affecting the cardiovascular system, assault, initial encounter	ICD-10-CM	Diagnosis
T46.994A	Poisoning by other agents primarily affecting the cardiovascular system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.0X1A	Poisoning by histamine H2-receptor blockers, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.0X2A	Poisoning by histamine H2-receptor blockers, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.0X3A	Poisoning by histamine H2-receptor blockers, assault, initial encounter	ICD-10-CM	Diagnosis
T47.0X4A	Poisoning by histamine H2-receptor blockers, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.1X1A	Poisoning by other antacids and anti-gastric-secretion drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.1X2A	Poisoning by other antacids and anti-gastric-secretion drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.1X3A	Poisoning by other antacids and anti-gastric-secretion drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T47.1X4A	Poisoning by other antacids and anti-gastric-secretion drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.2X1A	Poisoning by stimulant laxatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.2X2A	Poisoning by stimulant laxatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.2X3A	Poisoning by stimulant laxatives, assault, initial encounter	ICD-10-CM	Diagnosis
T47.2X4A	Poisoning by stimulant laxatives, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T47.3X1A	Poisoning by saline and osmotic laxatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.3X2A	Poisoning by saline and osmotic laxatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.3X3A	Poisoning by saline and osmotic laxatives, assault, initial encounter	ICD-10-CM	Diagnosis
T47.3X4A	Poisoning by saline and osmotic laxatives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.4X1A	Poisoning by other laxatives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.4X2A	Poisoning by other laxatives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.4X3A	Poisoning by other laxatives, assault, initial encounter	ICD-10-CM	Diagnosis
T47.4X4A	Poisoning by other laxatives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.5X1A	Poisoning by digestants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.5X2A	Poisoning by digestants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.5X3A	Poisoning by digestants, assault, initial encounter	ICD-10-CM	Diagnosis
T47.5X4A	Poisoning by digestants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.6X1A	Poisoning by antidiarrheal drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.6X2A	Poisoning by antidiarrheal drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.6X3A	Poisoning by antidiarrheal drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T47.6X4A	Poisoning by antidiarrheal drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.7X1A	Poisoning by emetics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.7X2A	Poisoning by emetics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.7X3A	Poisoning by emetics, assault, initial encounter	ICD-10-CM	Diagnosis
T47.7X4A	Poisoning by emetics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.8X1A	Poisoning by other agents primarily affecting gastrointestinal system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.8X2A	Poisoning by other agents primarily affecting gastrointestinal system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.8X3A	Poisoning by other agents primarily affecting gastrointestinal system, assault, initial encounter	ICD-10-CM	Diagnosis
T47.8X4A	Poisoning by other agents primarily affecting gastrointestinal system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T47.91XA	Poisoning by unspecified agents primarily affecting the gastrointestinal system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T47.92XA	Poisoning by unspecified agents primarily affecting the gastrointestinal system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T47.93XA	Poisoning by unspecified agents primarily affecting the gastrointestinal system, assault, initial encounter	ICD-10-CM	Diagnosis
T47.94XA	Poisoning by unspecified agents primarily affecting the gastrointestinal system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.OX1A	Poisoning by oxytocic drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.OX2A	Poisoning by oxytocic drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.OX3A	Poisoning by oxytocic drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T48.OX4A	Poisoning by oxytocic drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T48.1X1A	Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.1X2A	Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.1X3A	Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], assault, initial encounter	ICD-10-CM	Diagnosis
T48.1X4A	Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.201A	Poisoning by unspecified drugs acting on muscles, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.202A	Poisoning by unspecified drugs acting on muscles, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.203A	Poisoning by unspecified drugs acting on muscles, assault, initial encounter	ICD-10-CM	Diagnosis
T48.204A	Poisoning by unspecified drugs acting on muscles, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.291A	Poisoning by other drugs acting on muscles, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.292A	Poisoning by other drugs acting on muscles, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.293A	Poisoning by other drugs acting on muscles, assault, initial encounter	ICD-10-CM	Diagnosis
T48.294A	Poisoning by other drugs acting on muscles, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.3X1A	Poisoning by antitussives, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.3X2A	Poisoning by antitussives, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.3X3A	Poisoning by antitussives, assault, initial encounter	ICD-10-CM	Diagnosis
T48.3X4A	Poisoning by antitussives, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.4X1A	Poisoning by expectorants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.4X2A	Poisoning by expectorants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.4X3A	Poisoning by expectorants, assault, initial encounter	ICD-10-CM	Diagnosis
T48.4X4A	Poisoning by expectorants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.5X1A	Poisoning by other anti-common-cold drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.5X2A	Poisoning by other anti-common-cold drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.5X3A	Poisoning by other anti-common-cold drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T48.5X4A	Poisoning by other anti-common-cold drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.6X1A	Poisoning by antiasthmatics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.6X2A	Poisoning by antiasthmatics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.6X3A	Poisoning by antiasthmatics, assault, initial encounter	ICD-10-CM	Diagnosis
T48.6X4A	Poisoning by antiasthmatics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.901A	Poisoning by unspecified agents primarily acting on the respiratory system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.902A	Poisoning by unspecified agents primarily acting on the respiratory system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T48.903A	Poisoning by unspecified agents primarily acting on the respiratory system, assault, initial encounter	ICD-10-CM	Diagnosis
T48.904A	Poisoning by unspecified agents primarily acting on the respiratory system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T48.991A	Poisoning by other agents primarily acting on the respiratory system, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T48.992A	Poisoning by other agents primarily acting on the respiratory system, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T48.993A	Poisoning by other agents primarily acting on the respiratory system, assault, initial encounter	ICD-10-CM	Diagnosis
T48.994A	Poisoning by other agents primarily acting on the respiratory system, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.0X1A	Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.0X2A	Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.0X3A	Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, assault, initial encounter	ICD-10-CM	Diagnosis
T49.0X4A	Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.1X1A	Poisoning by antipruritics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.1X2A	Poisoning by antipruritics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.1X3A	Poisoning by antipruritics, assault, initial encounter	ICD-10-CM	Diagnosis
T49.1X4A	Poisoning by antipruritics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.2X1A	Poisoning by local astringents and local detergents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.2X2A	Poisoning by local astringents and local detergents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.2X3A	Poisoning by local astringents and local detergents, assault, initial encounter	ICD-10-CM	Diagnosis
T49.2X4A	Poisoning by local astringents and local detergents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.3X1A	Poisoning by emollients, demulcents and protectants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.3X2A	Poisoning by emollients, demulcents and protectants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.3X3A	Poisoning by emollients, demulcents and protectants, assault, initial encounter	ICD-10-CM	Diagnosis
T49.3X4A	Poisoning by emollients, demulcents and protectants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.4X1A	Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.4X2A	Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T49.4X3A	Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, assault, initial encounter	ICD-10-CM	Diagnosis
T49.4X4A	Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.5X1A	Poisoning by ophthalmological drugs and preparations, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.5X2A	Poisoning by ophthalmological drugs and preparations, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.5X3A	Poisoning by ophthalmological drugs and preparations, assault, initial encounter	ICD-10-CM	Diagnosis
T49.5X4A	Poisoning by ophthalmological drugs and preparations, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.6X1A	Poisoning by otorhinolaryngological drugs and preparations, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.6X2A	Poisoning by otorhinolaryngological drugs and preparations, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.6X3A	Poisoning by otorhinolaryngological drugs and preparations, assault, initial encounter	ICD-10-CM	Diagnosis
T49.6X4A	Poisoning by otorhinolaryngological drugs and preparations, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.7X1A	Poisoning by dental drugs, topically applied, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.7X2A	Poisoning by dental drugs, topically applied, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.7X3A	Poisoning by dental drugs, topically applied, assault, initial encounter	ICD-10-CM	Diagnosis
T49.7X4A	Poisoning by dental drugs, topically applied, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.8X1A	Poisoning by other topical agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.8X2A	Poisoning by other topical agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.8X3A	Poisoning by other topical agents, assault, initial encounter	ICD-10-CM	Diagnosis
T49.8X4A	Poisoning by other topical agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T49.91XA	Poisoning by unspecified topical agent, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T49.92XA	Poisoning by unspecified topical agent, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T49.93XA	Poisoning by unspecified topical agent, assault, initial encounter	ICD-10-CM	Diagnosis
T49.94XA	Poisoning by unspecified topical agent, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.0X1A	Poisoning by mineralocorticoids and their antagonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.0X2A	Poisoning by mineralocorticoids and their antagonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.0X3A	Poisoning by mineralocorticoids and their antagonists, assault, initial encounter	ICD-10-CM	Diagnosis
T50.0X4A	Poisoning by mineralocorticoids and their antagonists, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T50.1X1A	Poisoning by loop [high-ceiling] diuretics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.1X2A	Poisoning by loop [high-ceiling] diuretics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.1X3A	Poisoning by loop [high-ceiling] diuretics, assault, initial encounter	ICD-10-CM	Diagnosis
T50.1X4A	Poisoning by loop [high-ceiling] diuretics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.2X1A	Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.2X2A	Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.2X3A	Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, assault, initial encounter	ICD-10-CM	Diagnosis
T50.2X4A	Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.3X1A	Poisoning by electrolytic, caloric and water-balance agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.3X2A	Poisoning by electrolytic, caloric and water-balance agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.3X3A	Poisoning by electrolytic, caloric and water-balance agents, assault, initial encounter	ICD-10-CM	Diagnosis
T50.3X4A	Poisoning by electrolytic, caloric and water-balance agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.4X1A	Poisoning by drugs affecting uric acid metabolism, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.4X2A	Poisoning by drugs affecting uric acid metabolism, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.4X3A	Poisoning by drugs affecting uric acid metabolism, assault, initial encounter	ICD-10-CM	Diagnosis
T50.4X4A	Poisoning by drugs affecting uric acid metabolism, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.5X1A	Poisoning by appetite depressants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.5X2A	Poisoning by appetite depressants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.5X3A	Poisoning by appetite depressants, assault, initial encounter	ICD-10-CM	Diagnosis
T50.5X4A	Poisoning by appetite depressants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.6X1A	Poisoning by antidotes and chelating agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.6X2A	Poisoning by antidotes and chelating agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.6X3A	Poisoning by antidotes and chelating agents, assault, initial encounter	ICD-10-CM	Diagnosis
T50.6X4A	Poisoning by antidotes and chelating agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.7X1A	Poisoning by analeptics and opioid receptor antagonists, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.7X2A	Poisoning by analeptics and opioid receptor antagonists, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T50.7X3A	Poisoning by analeptics and opioid receptor antagonists, assault, initial encounter	ICD-10-CM	Diagnosis
T50.7X4A	Poisoning by analeptics and opioid receptor antagonists, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.8X1A	Poisoning by diagnostic agents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.8X2A	Poisoning by diagnostic agents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.8X3A	Poisoning by diagnostic agents, assault, initial encounter	ICD-10-CM	Diagnosis
T50.8X4A	Poisoning by diagnostic agents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.901A	Poisoning by unspecified drugs, medicaments and biological substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.902A	Poisoning by unspecified drugs, medicaments and biological substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.903A	Poisoning by unspecified drugs, medicaments and biological substances, assault, initial encounter	ICD-10-CM	Diagnosis
T50.904A	Poisoning by unspecified drugs, medicaments and biological substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.991A	Poisoning by other drugs, medicaments and biological substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.992A	Poisoning by other drugs, medicaments and biological substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.993A	Poisoning by other drugs, medicaments and biological substances, assault, initial encounter	ICD-10-CM	Diagnosis
T50.994A	Poisoning by other drugs, medicaments and biological substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.A11A	Poisoning by pertussis vaccine, including combinations with a pertussis component, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.A12A	Poisoning by pertussis vaccine, including combinations with a pertussis component, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.A13A	Poisoning by pertussis vaccine, including combinations with a pertussis component, assault, initial encounter	ICD-10-CM	Diagnosis
T50.A14A	Poisoning by pertussis vaccine, including combinations with a pertussis component, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.A21A	Poisoning by mixed bacterial vaccines without a pertussis component, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.A22A	Poisoning by mixed bacterial vaccines without a pertussis component, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.A23A	Poisoning by mixed bacterial vaccines without a pertussis component, assault, initial encounter	ICD-10-CM	Diagnosis
T50.A24A	Poisoning by mixed bacterial vaccines without a pertussis component, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.A91A	Poisoning by other bacterial vaccines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.A92A	Poisoning by other bacterial vaccines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T50.A93A	Poisoning by other bacterial vaccines, assault, initial encounter	ICD-10-CM	Diagnosis
T50.A94A	Poisoning by other bacterial vaccines, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.B11A	Poisoning by smallpox vaccines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.B12A	Poisoning by smallpox vaccines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.B13A	Poisoning by smallpox vaccines, assault, initial encounter	ICD-10-CM	Diagnosis
T50.B14A	Poisoning by smallpox vaccines, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.B91A	Poisoning by other viral vaccines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.B92A	Poisoning by other viral vaccines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.B93A	Poisoning by other viral vaccines, assault, initial encounter	ICD-10-CM	Diagnosis
T50.B94A	Poisoning by other viral vaccines, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.Z11A	Poisoning by immunoglobulin, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.Z12A	Poisoning by immunoglobulin, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.Z13A	Poisoning by immunoglobulin, assault, initial encounter	ICD-10-CM	Diagnosis
T50.Z14A	Poisoning by immunoglobulin, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.Z91A	Poisoning by other vaccines and biological substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.Z92A	Poisoning by other vaccines and biological substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.Z93A	Poisoning by other vaccines and biological substances, assault, initial encounter	ICD-10-CM	Diagnosis
T50.Z94A	Poisoning by other vaccines and biological substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T51.OX1A	Toxic effect of ethanol, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T51.OX2A	Toxic effect of ethanol, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T51.OX3A	Toxic effect of ethanol, assault, initial encounter	ICD-10-CM	Diagnosis
T51.OX4A	Toxic effect of ethanol, undetermined, initial encounter	ICD-10-CM	Diagnosis
T51.1X1A	Toxic effect of methanol, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T51.1X2A	Toxic effect of methanol, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T51.1X3A	Toxic effect of methanol, assault, initial encounter	ICD-10-CM	Diagnosis
T51.1X4A	Toxic effect of methanol, undetermined, initial encounter	ICD-10-CM	Diagnosis
T51.2X1A	Toxic effect of 2-Propanol, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T51.2X2A	Toxic effect of 2-Propanol, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T51.2X3A	Toxic effect of 2-Propanol, assault, initial encounter	ICD-10-CM	Diagnosis
T51.2X4A	Toxic effect of 2-Propanol, undetermined, initial encounter	ICD-10-CM	Diagnosis
T51.3X1A	Toxic effect of fusel oil, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T51.3X2A	Toxic effect of fusel oil, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T51.3X3A	Toxic effect of fusel oil, assault, initial encounter	ICD-10-CM	Diagnosis
T51.3X4A	Toxic effect of fusel oil, undetermined, initial encounter	ICD-10-CM	Diagnosis
T51.8X1A	Toxic effect of other alcohols, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T51.8X2A	Toxic effect of other alcohols, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T51.8X3A	Toxic effect of other alcohols, assault, initial encounter	ICD-10-CM	Diagnosis
T51.8X4A	Toxic effect of other alcohols, undetermined, initial encounter	ICD-10-CM	Diagnosis
T51.91XA	Toxic effect of unspecified alcohol, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T51.92XA	Toxic effect of unspecified alcohol, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T51.93XA	Toxic effect of unspecified alcohol, assault, initial encounter	ICD-10-CM	Diagnosis
T51.94XA	Toxic effect of unspecified alcohol, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.0X1A	Toxic effect of petroleum products, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.0X2A	Toxic effect of petroleum products, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.0X3A	Toxic effect of petroleum products, assault, initial encounter	ICD-10-CM	Diagnosis
T52.0X4A	Toxic effect of petroleum products, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.1X1A	Toxic effect of benzene, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.1X2A	Toxic effect of benzene, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.1X3A	Toxic effect of benzene, assault, initial encounter	ICD-10-CM	Diagnosis
T52.1X4A	Toxic effect of benzene, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.2X1A	Toxic effect of homologues of benzene, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.2X2A	Toxic effect of homologues of benzene, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.2X3A	Toxic effect of homologues of benzene, assault, initial encounter	ICD-10-CM	Diagnosis
T52.2X4A	Toxic effect of homologues of benzene, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.3X1A	Toxic effect of glycols, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.3X2A	Toxic effect of glycols, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.3X3A	Toxic effect of glycols, assault, initial encounter	ICD-10-CM	Diagnosis
T52.3X4A	Toxic effect of glycols, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.4X1A	Toxic effect of ketones, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.4X2A	Toxic effect of ketones, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.4X3A	Toxic effect of ketones, assault, initial encounter	ICD-10-CM	Diagnosis
T52.4X4A	Toxic effect of ketones, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.8X1A	Toxic effect of other organic solvents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.8X2A	Toxic effect of other organic solvents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.8X3A	Toxic effect of other organic solvents, assault, initial encounter	ICD-10-CM	Diagnosis
T52.8X4A	Toxic effect of other organic solvents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T52.91XA	Toxic effect of unspecified organic solvent, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T52.92XA	Toxic effect of unspecified organic solvent, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T52.93XA	Toxic effect of unspecified organic solvent, assault, initial encounter	ICD-10-CM	Diagnosis
T52.94XA	Toxic effect of unspecified organic solvent, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.0X1A	Toxic effect of carbon tetrachloride, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.0X2A	Toxic effect of carbon tetrachloride, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.0X3A	Toxic effect of carbon tetrachloride, assault, initial encounter	ICD-10-CM	Diagnosis
T53.0X4A	Toxic effect of carbon tetrachloride, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.1X1A	Toxic effect of chloroform, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.1X2A	Toxic effect of chloroform, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.1X3A	Toxic effect of chloroform, assault, initial encounter	ICD-10-CM	Diagnosis
T53.1X4A	Toxic effect of chloroform, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.2X1A	Toxic effect of trichloroethylene, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T53.2X2A	Toxic effect of trichloroethylene, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.2X3A	Toxic effect of trichloroethylene, assault, initial encounter	ICD-10-CM	Diagnosis
T53.2X4A	Toxic effect of trichloroethylene, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.3X1A	Toxic effect of tetrachloroethylene, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.3X2A	Toxic effect of tetrachloroethylene, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.3X3A	Toxic effect of tetrachloroethylene, assault, initial encounter	ICD-10-CM	Diagnosis
T53.3X4A	Toxic effect of tetrachloroethylene, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.4X1A	Toxic effect of dichloromethane, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.4X2A	Toxic effect of dichloromethane, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.4X3A	Toxic effect of dichloromethane, assault, initial encounter	ICD-10-CM	Diagnosis
T53.4X4A	Toxic effect of dichloromethane, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.5X1A	Toxic effect of chlorofluorocarbons, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.5X2A	Toxic effect of chlorofluorocarbons, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.5X3A	Toxic effect of chlorofluorocarbons, assault, initial encounter	ICD-10-CM	Diagnosis
T53.5X4A	Toxic effect of chlorofluorocarbons, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.6X1A	Toxic effect of other halogen derivatives of aliphatic hydrocarbons, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.6X2A	Toxic effect of other halogen derivatives of aliphatic hydrocarbons, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.6X3A	Toxic effect of other halogen derivatives of aliphatic hydrocarbons, assault, initial encounter	ICD-10-CM	Diagnosis
T53.6X4A	Toxic effect of other halogen derivatives of aliphatic hydrocarbons, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.7X1A	Toxic effect of other halogen derivatives of aromatic hydrocarbons, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.7X2A	Toxic effect of other halogen derivatives of aromatic hydrocarbons, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.7X3A	Toxic effect of other halogen derivatives of aromatic hydrocarbons, assault, initial encounter	ICD-10-CM	Diagnosis
T53.7X4A	Toxic effect of other halogen derivatives of aromatic hydrocarbons, undetermined, initial encounter	ICD-10-CM	Diagnosis
T53.91XA	Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T53.92XA	Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T53.93XA	Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, assault, initial encounter	ICD-10-CM	Diagnosis
T53.94XA	Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, undetermined, initial encounter	ICD-10-CM	Diagnosis
T54.0X1A	Toxic effect of phenol and phenol homologues, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T54.0X2A	Toxic effect of phenol and phenol homologues, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T54.0X3A	Toxic effect of phenol and phenol homologues, assault, initial encounter	ICD-10-CM	Diagnosis
T54.0X4A	Toxic effect of phenol and phenol homologues, undetermined, initial encounter	ICD-10-CM	Diagnosis
T54.1X1A	Toxic effect of other corrosive organic compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T54.1X2A	Toxic effect of other corrosive organic compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T54.1X3A	Toxic effect of other corrosive organic compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T54.1X4A	Toxic effect of other corrosive organic compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T54.2X1A	Toxic effect of corrosive acids and acid-like substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T54.2X2A	Toxic effect of corrosive acids and acid-like substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T54.2X3A	Toxic effect of corrosive acids and acid-like substances, assault, initial encounter	ICD-10-CM	Diagnosis
T54.2X4A	Toxic effect of corrosive acids and acid-like substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T54.3X1A	Toxic effect of corrosive alkalis and alkali-like substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T54.3X2A	Toxic effect of corrosive alkalis and alkali-like substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T54.3X3A	Toxic effect of corrosive alkalis and alkali-like substances, assault, initial encounter	ICD-10-CM	Diagnosis
T54.3X4A	Toxic effect of corrosive alkalis and alkali-like substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T54.91XA	Toxic effect of unspecified corrosive substance, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T54.92XA	Toxic effect of unspecified corrosive substance, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T54.93XA	Toxic effect of unspecified corrosive substance, assault, initial encounter	ICD-10-CM	Diagnosis
T54.94XA	Toxic effect of unspecified corrosive substance, undetermined, initial encounter	ICD-10-CM	Diagnosis
T55.0X1A	Toxic effect of soaps, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T55.0X2A	Toxic effect of soaps, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T55.0X3A	Toxic effect of soaps, assault, initial encounter	ICD-10-CM	Diagnosis
T55.0X4A	Toxic effect of soaps, undetermined, initial encounter	ICD-10-CM	Diagnosis
T55.1X1A	Toxic effect of detergents, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T55.1X2A	Toxic effect of detergents, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T55.1X3A	Toxic effect of detergents, assault, initial encounter	ICD-10-CM	Diagnosis
T55.1X4A	Toxic effect of detergents, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.0X1A	Toxic effect of lead and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.0X2A	Toxic effect of lead and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.0X3A	Toxic effect of lead and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.0X4A	Toxic effect of lead and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T56.1X1A	Toxic effect of mercury and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.1X2A	Toxic effect of mercury and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.1X3A	Toxic effect of mercury and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.1X4A	Toxic effect of mercury and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.2X1A	Toxic effect of chromium and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.2X2A	Toxic effect of chromium and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.2X3A	Toxic effect of chromium and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.2X4A	Toxic effect of chromium and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.3X1A	Toxic effect of cadmium and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.3X2A	Toxic effect of cadmium and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.3X3A	Toxic effect of cadmium and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.3X4A	Toxic effect of cadmium and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.4X1A	Toxic effect of copper and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.4X2A	Toxic effect of copper and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.4X3A	Toxic effect of copper and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.4X4A	Toxic effect of copper and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.5X1A	Toxic effect of zinc and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.5X2A	Toxic effect of zinc and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.5X3A	Toxic effect of zinc and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.5X4A	Toxic effect of zinc and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.6X1A	Toxic effect of tin and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.6X2A	Toxic effect of tin and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.6X3A	Toxic effect of tin and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.6X4A	Toxic effect of tin and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.7X1A	Toxic effect of beryllium and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.7X2A	Toxic effect of beryllium and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.7X3A	Toxic effect of beryllium and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T56.7X4A	Toxic effect of beryllium and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.811A	Toxic effect of thallium, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.812A	Toxic effect of thallium, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.813A	Toxic effect of thallium, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T56.814A	Toxic effect of thallium, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.891A	Toxic effect of other metals, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.892A	Toxic effect of other metals, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.893A	Toxic effect of other metals, assault, initial encounter	ICD-10-CM	Diagnosis
T56.894A	Toxic effect of other metals, undetermined, initial encounter	ICD-10-CM	Diagnosis
T56.91XA	Toxic effect of unspecified metal, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T56.92XA	Toxic effect of unspecified metal, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T56.93XA	Toxic effect of unspecified metal, assault, initial encounter	ICD-10-CM	Diagnosis
T56.94XA	Toxic effect of unspecified metal, undetermined, initial encounter	ICD-10-CM	Diagnosis
T57.0X1A	Toxic effect of arsenic and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T57.0X2A	Toxic effect of arsenic and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T57.0X3A	Toxic effect of arsenic and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T57.0X4A	Toxic effect of arsenic and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T57.1X1A	Toxic effect of phosphorus and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T57.1X2A	Toxic effect of phosphorus and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T57.1X3A	Toxic effect of phosphorus and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T57.1X4A	Toxic effect of phosphorus and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T57.2X1A	Toxic effect of manganese and its compounds, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T57.2X2A	Toxic effect of manganese and its compounds, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T57.2X3A	Toxic effect of manganese and its compounds, assault, initial encounter	ICD-10-CM	Diagnosis
T57.2X4A	Toxic effect of manganese and its compounds, undetermined, initial encounter	ICD-10-CM	Diagnosis
T57.3X1A	Toxic effect of hydrogen cyanide, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T57.3X2A	Toxic effect of hydrogen cyanide, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T57.3X3A	Toxic effect of hydrogen cyanide, assault, initial encounter	ICD-10-CM	Diagnosis
T57.3X4A	Toxic effect of hydrogen cyanide, undetermined, initial encounter	ICD-10-CM	Diagnosis
T57.8X1A	Toxic effect of other specified inorganic substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T57.8X2A	Toxic effect of other specified inorganic substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T57.8X3A	Toxic effect of other specified inorganic substances, assault, initial encounter	ICD-10-CM	Diagnosis
T57.8X4A	Toxic effect of other specified inorganic substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T57.91XA	Toxic effect of unspecified inorganic substance, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T57.92XA	Toxic effect of unspecified inorganic substance, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T57.93XA	Toxic effect of unspecified inorganic substance, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T57.94XA	Toxic effect of unspecified inorganic substance, undetermined, initial encounter	ICD-10-CM	Diagnosis
T58.01XA	Toxic effect of carbon monoxide from motor vehicle exhaust, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T58.02XA	Toxic effect of carbon monoxide from motor vehicle exhaust, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T58.03XA	Toxic effect of carbon monoxide from motor vehicle exhaust, assault, initial encounter	ICD-10-CM	Diagnosis
T58.04XA	Toxic effect of carbon monoxide from motor vehicle exhaust, undetermined, initial encounter	ICD-10-CM	Diagnosis
T58.11XA	Toxic effect of carbon monoxide from utility gas, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T58.12XA	Toxic effect of carbon monoxide from utility gas, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T58.13XA	Toxic effect of carbon monoxide from utility gas, assault, initial encounter	ICD-10-CM	Diagnosis
T58.14XA	Toxic effect of carbon monoxide from utility gas, undetermined, initial encounter	ICD-10-CM	Diagnosis
T58.2X1A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T58.2X2A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T58.2X3A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, assault, initial encounter	ICD-10-CM	Diagnosis
T58.2X4A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, undetermined, initial encounter	ICD-10-CM	Diagnosis
T58.8X1A	Toxic effect of carbon monoxide from other source, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T58.8X2A	Toxic effect of carbon monoxide from other source, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T58.8X3A	Toxic effect of carbon monoxide from other source, assault, initial encounter	ICD-10-CM	Diagnosis
T58.8X4A	Toxic effect of carbon monoxide from other source, undetermined, initial encounter	ICD-10-CM	Diagnosis
T58.91XA	Toxic effect of carbon monoxide from unspecified source, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T58.92XA	Toxic effect of carbon monoxide from unspecified source, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T58.93XA	Toxic effect of carbon monoxide from unspecified source, assault, initial encounter	ICD-10-CM	Diagnosis
T58.94XA	Toxic effect of carbon monoxide from unspecified source, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.0X1A	Toxic effect of nitrogen oxides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.0X2A	Toxic effect of nitrogen oxides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.0X3A	Toxic effect of nitrogen oxides, assault, initial encounter	ICD-10-CM	Diagnosis
T59.0X4A	Toxic effect of nitrogen oxides, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T59.1X1A	Toxic effect of sulfur dioxide, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.1X2A	Toxic effect of sulfur dioxide, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.1X3A	Toxic effect of sulfur dioxide, assault, initial encounter	ICD-10-CM	Diagnosis
T59.1X4A	Toxic effect of sulfur dioxide, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.2X1A	Toxic effect of formaldehyde, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.2X2A	Toxic effect of formaldehyde, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.2X3A	Toxic effect of formaldehyde, assault, initial encounter	ICD-10-CM	Diagnosis
T59.2X4A	Toxic effect of formaldehyde, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.3X1A	Toxic effect of lacrimogenic gas, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.3X2A	Toxic effect of lacrimogenic gas, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.3X3A	Toxic effect of lacrimogenic gas, assault, initial encounter	ICD-10-CM	Diagnosis
T59.3X4A	Toxic effect of lacrimogenic gas, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.4X1A	Toxic effect of chlorine gas, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.4X2A	Toxic effect of chlorine gas, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.4X3A	Toxic effect of chlorine gas, assault, initial encounter	ICD-10-CM	Diagnosis
T59.4X4A	Toxic effect of chlorine gas, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.5X1A	Toxic effect of fluorine gas and hydrogen fluoride, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.5X2A	Toxic effect of fluorine gas and hydrogen fluoride, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.5X3A	Toxic effect of fluorine gas and hydrogen fluoride, assault, initial encounter	ICD-10-CM	Diagnosis
T59.5X4A	Toxic effect of fluorine gas and hydrogen fluoride, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.6X1A	Toxic effect of hydrogen sulfide, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.6X2A	Toxic effect of hydrogen sulfide, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.6X3A	Toxic effect of hydrogen sulfide, assault, initial encounter	ICD-10-CM	Diagnosis
T59.6X4A	Toxic effect of hydrogen sulfide, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.7X1A	Toxic effect of carbon dioxide, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.7X2A	Toxic effect of carbon dioxide, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.7X3A	Toxic effect of carbon dioxide, assault, initial encounter	ICD-10-CM	Diagnosis
T59.7X4A	Toxic effect of carbon dioxide, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.811A	Toxic effect of smoke, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.812A	Toxic effect of smoke, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.813A	Toxic effect of smoke, assault, initial encounter	ICD-10-CM	Diagnosis
T59.814A	Toxic effect of smoke, undetermined, initial encounter	ICD-10-CM	Diagnosis
T59.891A	Toxic effect of other specified gases, fumes and vapors, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.892A	Toxic effect of other specified gases, fumes and vapors, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.893A	Toxic effect of other specified gases, fumes and vapors, assault, initial encounter	ICD-10-CM	Diagnosis
T59.894A	Toxic effect of other specified gases, fumes and vapors, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T59.91XA	Toxic effect of unspecified gases, fumes and vapors, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T59.92XA	Toxic effect of unspecified gases, fumes and vapors, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T59.93XA	Toxic effect of unspecified gases, fumes and vapors, assault, initial encounter	ICD-10-CM	Diagnosis
T59.94XA	Toxic effect of unspecified gases, fumes and vapors, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.0X1A	Toxic effect of organophosphate and carbamate insecticides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.0X2A	Toxic effect of organophosphate and carbamate insecticides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.0X3A	Toxic effect of organophosphate and carbamate insecticides, assault, initial encounter	ICD-10-CM	Diagnosis
T60.0X4A	Toxic effect of organophosphate and carbamate insecticides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.1X1A	Toxic effect of halogenated insecticides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.1X2A	Toxic effect of halogenated insecticides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.1X3A	Toxic effect of halogenated insecticides, assault, initial encounter	ICD-10-CM	Diagnosis
T60.1X4A	Toxic effect of halogenated insecticides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.2X1A	Toxic effect of other insecticides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.2X2A	Toxic effect of other insecticides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.2X3A	Toxic effect of other insecticides, assault, initial encounter	ICD-10-CM	Diagnosis
T60.2X4A	Toxic effect of other insecticides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.3X1A	Toxic effect of herbicides and fungicides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.3X2A	Toxic effect of herbicides and fungicides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.3X3A	Toxic effect of herbicides and fungicides, assault, initial encounter	ICD-10-CM	Diagnosis
T60.3X4A	Toxic effect of herbicides and fungicides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.4X1A	Toxic effect of rodenticides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.4X2A	Toxic effect of rodenticides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.4X3A	Toxic effect of rodenticides, assault, initial encounter	ICD-10-CM	Diagnosis
T60.4X4A	Toxic effect of rodenticides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.8X1A	Toxic effect of other pesticides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.8X2A	Toxic effect of other pesticides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.8X3A	Toxic effect of other pesticides, assault, initial encounter	ICD-10-CM	Diagnosis
T60.8X4A	Toxic effect of other pesticides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T60.91XA	Toxic effect of unspecified pesticide, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T60.92XA	Toxic effect of unspecified pesticide, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T60.93XA	Toxic effect of unspecified pesticide, assault, initial encounter	ICD-10-CM	Diagnosis
T60.94XA	Toxic effect of unspecified pesticide, undetermined, initial encounter	ICD-10-CM	Diagnosis
T61.01XA	Ciguatera fish poisoning, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T61.02XA	Ciguatera fish poisoning, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T61.03XA	Ciguatera fish poisoning, assault, initial encounter	ICD-10-CM	Diagnosis
T61.04XA	Ciguatera fish poisoning, undetermined, initial encounter	ICD-10-CM	Diagnosis
T61.11XA	Scombroid fish poisoning, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T61.12XA	Scombroid fish poisoning, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T61.13XA	Scombroid fish poisoning, assault, initial encounter	ICD-10-CM	Diagnosis
T61.14XA	Scombroid fish poisoning, undetermined, initial encounter	ICD-10-CM	Diagnosis
T61.771A	Other fish poisoning, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T61.772A	Other fish poisoning, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T61.773A	Other fish poisoning, assault, initial encounter	ICD-10-CM	Diagnosis
T61.774A	Other fish poisoning, undetermined, initial encounter	ICD-10-CM	Diagnosis
T61.781A	Other shellfish poisoning, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T61.782A	Other shellfish poisoning, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T61.783A	Other shellfish poisoning, assault, initial encounter	ICD-10-CM	Diagnosis
T61.784A	Other shellfish poisoning, undetermined, initial encounter	ICD-10-CM	Diagnosis
T61.8X1A	Toxic effect of other seafood, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T61.8X2A	Toxic effect of other seafood, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T61.8X3A	Toxic effect of other seafood, assault, initial encounter	ICD-10-CM	Diagnosis
T61.8X4A	Toxic effect of other seafood, undetermined, initial encounter	ICD-10-CM	Diagnosis
T61.91XA	Toxic effect of unspecified seafood, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T61.92XA	Toxic effect of unspecified seafood, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T61.93XA	Toxic effect of unspecified seafood, assault, initial encounter	ICD-10-CM	Diagnosis
T61.94XA	Toxic effect of unspecified seafood, undetermined, initial encounter	ICD-10-CM	Diagnosis
T62.0X1A	Toxic effect of ingested mushrooms, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T62.0X2A	Toxic effect of ingested mushrooms, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T62.0X3A	Toxic effect of ingested mushrooms, assault, initial encounter	ICD-10-CM	Diagnosis
T62.0X4A	Toxic effect of ingested mushrooms, undetermined, initial encounter	ICD-10-CM	Diagnosis
T62.1X1A	Toxic effect of ingested berries, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T62.1X2A	Toxic effect of ingested berries, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T62.1X3A	Toxic effect of ingested berries, assault, initial encounter	ICD-10-CM	Diagnosis
T62.1X4A	Toxic effect of ingested berries, undetermined, initial encounter	ICD-10-CM	Diagnosis
T62.2X1A	Toxic effect of other ingested (parts of) plant(s), accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T62.2X2A	Toxic effect of other ingested (parts of) plant(s), intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T62.2X3A	Toxic effect of other ingested (parts of) plant(s), assault, initial encounter	ICD-10-CM	Diagnosis
T62.2X4A	Toxic effect of other ingested (parts of) plant(s), undetermined, initial encounter	ICD-10-CM	Diagnosis
T62.8X1A	Toxic effect of other specified noxious substances eaten as food, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T62.8X2A	Toxic effect of other specified noxious substances eaten as food, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T62.8X3A	Toxic effect of other specified noxious substances eaten as food, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T62.8X4A	Toxic effect of other specified noxious substances eaten as food, undetermined, initial encounter	ICD-10-CM	Diagnosis
T62.91XA	Toxic effect of unspecified noxious substance eaten as food, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T62.92XA	Toxic effect of unspecified noxious substance eaten as food, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T62.93XA	Toxic effect of unspecified noxious substance eaten as food, assault, initial encounter	ICD-10-CM	Diagnosis
T62.94XA	Toxic effect of unspecified noxious substance eaten as food, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.001A	Toxic effect of unspecified snake venom, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.002A	Toxic effect of unspecified snake venom, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.003A	Toxic effect of unspecified snake venom, assault, initial encounter	ICD-10-CM	Diagnosis
T63.004A	Toxic effect of unspecified snake venom, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.011A	Toxic effect of rattlesnake venom, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.012A	Toxic effect of rattlesnake venom, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.013A	Toxic effect of rattlesnake venom, assault, initial encounter	ICD-10-CM	Diagnosis
T63.014A	Toxic effect of rattlesnake venom, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.021A	Toxic effect of coral snake venom, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.022A	Toxic effect of coral snake venom, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.023A	Toxic effect of coral snake venom, assault, initial encounter	ICD-10-CM	Diagnosis
T63.024A	Toxic effect of coral snake venom, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.031A	Toxic effect of taipan venom, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.032A	Toxic effect of taipan venom, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.033A	Toxic effect of taipan venom, assault, initial encounter	ICD-10-CM	Diagnosis
T63.034A	Toxic effect of taipan venom, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.041A	Toxic effect of cobra venom, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.042A	Toxic effect of cobra venom, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.043A	Toxic effect of cobra venom, assault, initial encounter	ICD-10-CM	Diagnosis
T63.044A	Toxic effect of cobra venom, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.061A	Toxic effect of venom of other North and South American snake, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.062A	Toxic effect of venom of other North and South American snake, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.063A	Toxic effect of venom of other North and South American snake, assault, initial encounter	ICD-10-CM	Diagnosis
T63.064A	Toxic effect of venom of other North and South American snake, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.071A	Toxic effect of venom of other Australian snake, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.072A	Toxic effect of venom of other Australian snake, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T63.073A	Toxic effect of venom of other Australian snake, assault, initial encounter	ICD-10-CM	Diagnosis
T63.074A	Toxic effect of venom of other Australian snake, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.081A	Toxic effect of venom of other African and Asian snake, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.082A	Toxic effect of venom of other African and Asian snake, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.083A	Toxic effect of venom of other African and Asian snake, assault, initial encounter	ICD-10-CM	Diagnosis
T63.084A	Toxic effect of venom of other African and Asian snake, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.091A	Toxic effect of venom of other snake, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.092A	Toxic effect of venom of other snake, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.093A	Toxic effect of venom of other snake, assault, initial encounter	ICD-10-CM	Diagnosis
T63.094A	Toxic effect of venom of other snake, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.111A	Toxic effect of venom of gila monster, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.112A	Toxic effect of venom of gila monster, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.113A	Toxic effect of venom of gila monster, assault, initial encounter	ICD-10-CM	Diagnosis
T63.114A	Toxic effect of venom of gila monster, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.121A	Toxic effect of venom of other venomous lizard, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.122A	Toxic effect of venom of other venomous lizard, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.123A	Toxic effect of venom of other venomous lizard, assault, initial encounter	ICD-10-CM	Diagnosis
T63.124A	Toxic effect of venom of other venomous lizard, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.191A	Toxic effect of venom of other reptiles, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.192A	Toxic effect of venom of other reptiles, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.193A	Toxic effect of venom of other reptiles, assault, initial encounter	ICD-10-CM	Diagnosis
T63.194A	Toxic effect of venom of other reptiles, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.2X1A	Toxic effect of venom of scorpion, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.2X2A	Toxic effect of venom of scorpion, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.2X3A	Toxic effect of venom of scorpion, assault, initial encounter	ICD-10-CM	Diagnosis
T63.2X4A	Toxic effect of venom of scorpion, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.301A	Toxic effect of unspecified spider venom, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.302A	Toxic effect of unspecified spider venom, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.303A	Toxic effect of unspecified spider venom, assault, initial encounter	ICD-10-CM	Diagnosis
T63.304A	Toxic effect of unspecified spider venom, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.311A	Toxic effect of venom of black widow spider, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.312A	Toxic effect of venom of black widow spider, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T63.313A	Toxic effect of venom of black widow spider, assault, initial encounter	ICD-10-CM	Diagnosis
T63.314A	Toxic effect of venom of black widow spider, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.321A	Toxic effect of venom of tarantula, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.322A	Toxic effect of venom of tarantula, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.323A	Toxic effect of venom of tarantula, assault, initial encounter	ICD-10-CM	Diagnosis
T63.324A	Toxic effect of venom of tarantula, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.331A	Toxic effect of venom of brown recluse spider, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.332A	Toxic effect of venom of brown recluse spider, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.333A	Toxic effect of venom of brown recluse spider, assault, initial encounter	ICD-10-CM	Diagnosis
T63.334A	Toxic effect of venom of brown recluse spider, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.391A	Toxic effect of venom of other spider, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.392A	Toxic effect of venom of other spider, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.393A	Toxic effect of venom of other spider, assault, initial encounter	ICD-10-CM	Diagnosis
T63.394A	Toxic effect of venom of other spider, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.411A	Toxic effect of venom of centipedes and venomous millipedes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.412A	Toxic effect of venom of centipedes and venomous millipedes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.413A	Toxic effect of venom of centipedes and venomous millipedes, assault, initial encounter	ICD-10-CM	Diagnosis
T63.414A	Toxic effect of venom of centipedes and venomous millipedes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.421A	Toxic effect of venom of ants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.422A	Toxic effect of venom of ants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.423A	Toxic effect of venom of ants, assault, initial encounter	ICD-10-CM	Diagnosis
T63.424A	Toxic effect of venom of ants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.431A	Toxic effect of venom of caterpillars, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.432A	Toxic effect of venom of caterpillars, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.433A	Toxic effect of venom of caterpillars, assault, initial encounter	ICD-10-CM	Diagnosis
T63.434A	Toxic effect of venom of caterpillars, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.441A	Toxic effect of venom of bees, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.442A	Toxic effect of venom of bees, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.443A	Toxic effect of venom of bees, assault, initial encounter	ICD-10-CM	Diagnosis
T63.444A	Toxic effect of venom of bees, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.451A	Toxic effect of venom of hornets, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.452A	Toxic effect of venom of hornets, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.453A	Toxic effect of venom of hornets, assault, initial encounter	ICD-10-CM	Diagnosis
T63.454A	Toxic effect of venom of hornets, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.461A	Toxic effect of venom of wasps, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.462A	Toxic effect of venom of wasps, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T63.463A	Toxic effect of venom of wasps, assault, initial encounter	ICD-10-CM	Diagnosis
T63.464A	Toxic effect of venom of wasps, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.481A	Toxic effect of venom of other arthropod, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.482A	Toxic effect of venom of other arthropod, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.483A	Toxic effect of venom of other arthropod, assault, initial encounter	ICD-10-CM	Diagnosis
T63.484A	Toxic effect of venom of other arthropod, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.511A	Toxic effect of contact with stingray, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.512A	Toxic effect of contact with stingray, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.513A	Toxic effect of contact with stingray, assault, initial encounter	ICD-10-CM	Diagnosis
T63.514A	Toxic effect of contact with stingray, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.591A	Toxic effect of contact with other venomous fish, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.592A	Toxic effect of contact with other venomous fish, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.593A	Toxic effect of contact with other venomous fish, assault, initial encounter	ICD-10-CM	Diagnosis
T63.594A	Toxic effect of contact with other venomous fish, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.611A	Toxic effect of contact with Portugese Man-o-war, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.612A	Toxic effect of contact with Portugese Man-o-war, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.613A	Toxic effect of contact with Portugese Man-o-war, assault, initial encounter	ICD-10-CM	Diagnosis
T63.614A	Toxic effect of contact with Portugese Man-o-war, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.621A	Toxic effect of contact with other jellyfish, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.622A	Toxic effect of contact with other jellyfish, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.623A	Toxic effect of contact with other jellyfish, assault, initial encounter	ICD-10-CM	Diagnosis
T63.624A	Toxic effect of contact with other jellyfish, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.631A	Toxic effect of contact with sea anemone, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.632A	Toxic effect of contact with sea anemone, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.633A	Toxic effect of contact with sea anemone, assault, initial encounter	ICD-10-CM	Diagnosis
T63.634A	Toxic effect of contact with sea anemone, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.691A	Toxic effect of contact with other venomous marine animals, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.692A	Toxic effect of contact with other venomous marine animals, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T63.693A	Toxic effect of contact with other venomous marine animals, assault, initial encounter	ICD-10-CM	Diagnosis
T63.694A	Toxic effect of contact with other venomous marine animals, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.711A	Toxic effect of contact with venomous marine plant, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.712A	Toxic effect of contact with venomous marine plant, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.713A	Toxic effect of contact with venomous marine plant, assault, initial encounter	ICD-10-CM	Diagnosis
T63.714A	Toxic effect of contact with venomous marine plant, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.791A	Toxic effect of contact with other venomous plant, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.792A	Toxic effect of contact with other venomous plant, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.793A	Toxic effect of contact with other venomous plant, assault, initial encounter	ICD-10-CM	Diagnosis
T63.794A	Toxic effect of contact with other venomous plant, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.811A	Toxic effect of contact with venomous frog, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.812A	Toxic effect of contact with venomous frog, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.813A	Toxic effect of contact with venomous frog, assault, initial encounter	ICD-10-CM	Diagnosis
T63.814A	Toxic effect of contact with venomous frog, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.821A	Toxic effect of contact with venomous toad, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.822A	Toxic effect of contact with venomous toad, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.823A	Toxic effect of contact with venomous toad, assault, initial encounter	ICD-10-CM	Diagnosis
T63.824A	Toxic effect of contact with venomous toad, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.831A	Toxic effect of contact with other venomous amphibian, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.832A	Toxic effect of contact with other venomous amphibian, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.833A	Toxic effect of contact with other venomous amphibian, assault, initial encounter	ICD-10-CM	Diagnosis
T63.834A	Toxic effect of contact with other venomous amphibian, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.891A	Toxic effect of contact with other venomous animals, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.892A	Toxic effect of contact with other venomous animals, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.893A	Toxic effect of contact with other venomous animals, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T63.894A	Toxic effect of contact with other venomous animals, undetermined, initial encounter	ICD-10-CM	Diagnosis
T63.91XA	Toxic effect of contact with unspecified venomous animal, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T63.92XA	Toxic effect of contact with unspecified venomous animal, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T63.93XA	Toxic effect of contact with unspecified venomous animal, assault, initial encounter	ICD-10-CM	Diagnosis
T63.94XA	Toxic effect of contact with unspecified venomous animal, undetermined, initial encounter	ICD-10-CM	Diagnosis
T64.01XA	Toxic effect of aflatoxin, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T64.02XA	Toxic effect of aflatoxin, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T64.03XA	Toxic effect of aflatoxin, assault, initial encounter	ICD-10-CM	Diagnosis
T64.04XA	Toxic effect of aflatoxin, undetermined, initial encounter	ICD-10-CM	Diagnosis
T64.81XA	Toxic effect of other mycotoxin food contaminants, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T64.82XA	Toxic effect of other mycotoxin food contaminants, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T64.83XA	Toxic effect of other mycotoxin food contaminants, assault, initial encounter	ICD-10-CM	Diagnosis
T64.84XA	Toxic effect of other mycotoxin food contaminants, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.0X1A	Toxic effect of cyanides, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.0X2A	Toxic effect of cyanides, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.0X3A	Toxic effect of cyanides, assault, initial encounter	ICD-10-CM	Diagnosis
T65.0X4A	Toxic effect of cyanides, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.1X1A	Toxic effect of strychnine and its salts, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.1X2A	Toxic effect of strychnine and its salts, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.1X3A	Toxic effect of strychnine and its salts, assault, initial encounter	ICD-10-CM	Diagnosis
T65.1X4A	Toxic effect of strychnine and its salts, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.213A	Toxic effect of chewing tobacco, assault, initial encounter	ICD-10-CM	Diagnosis
T65.214A	Toxic effect of chewing tobacco, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.223A	Toxic effect of tobacco cigarettes, assault, initial encounter	ICD-10-CM	Diagnosis
T65.224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.293A	Toxic effect of other tobacco and nicotine, assault, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T65.294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.3X1A	Toxic effect of nitroderivatives and aminoderivatives of benzene and its homologues, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.3X2A	Toxic effect of nitroderivatives and aminoderivatives of benzene and its homologues, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.3X3A	Toxic effect of nitroderivatives and aminoderivatives of benzene and its homologues, assault, initial encounter	ICD-10-CM	Diagnosis
T65.3X4A	Toxic effect of nitroderivatives and aminoderivatives of benzene and its homologues, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.4X1A	Toxic effect of carbon disulfide, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.4X2A	Toxic effect of carbon disulfide, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.4X3A	Toxic effect of carbon disulfide, assault, initial encounter	ICD-10-CM	Diagnosis
T65.4X4A	Toxic effect of carbon disulfide, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.5X1A	Toxic effect of nitroglycerin and other nitric acids and esters, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.5X2A	Toxic effect of nitroglycerin and other nitric acids and esters, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.5X3A	Toxic effect of nitroglycerin and other nitric acids and esters, assault, initial encounter	ICD-10-CM	Diagnosis
T65.5X4A	Toxic effect of nitroglycerin and other nitric acids and esters, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.6X1A	Toxic effect of paints and dyes, not elsewhere classified, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.6X2A	Toxic effect of paints and dyes, not elsewhere classified, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.6X3A	Toxic effect of paints and dyes, not elsewhere classified, assault, initial encounter	ICD-10-CM	Diagnosis
T65.6X4A	Toxic effect of paints and dyes, not elsewhere classified, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.811A	Toxic effect of latex, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.812A	Toxic effect of latex, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.813A	Toxic effect of latex, assault, initial encounter	ICD-10-CM	Diagnosis
T65.814A	Toxic effect of latex, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.821A	Toxic effect of harmful algae and algae toxins, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.822A	Toxic effect of harmful algae and algae toxins, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.823A	Toxic effect of harmful algae and algae toxins, assault, initial encounter	ICD-10-CM	Diagnosis
T65.824A	Toxic effect of harmful algae and algae toxins, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.831A	Toxic effect of fiberglass, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.832A	Toxic effect of fiberglass, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.833A	Toxic effect of fiberglass, assault, initial encounter	ICD-10-CM	Diagnosis
T65.834A	Toxic effect of fiberglass, undetermined, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T65.891A	Toxic effect of other specified substances, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.892A	Toxic effect of other specified substances, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.893A	Toxic effect of other specified substances, assault, initial encounter	ICD-10-CM	Diagnosis
T65.894A	Toxic effect of other specified substances, undetermined, initial encounter	ICD-10-CM	Diagnosis
T65.91XA	Toxic effect of unspecified substance, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T65.92XA	Toxic effect of unspecified substance, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T65.93XA	Toxic effect of unspecified substance, assault, initial encounter	ICD-10-CM	Diagnosis
T65.94XA	Toxic effect of unspecified substance, undetermined, initial encounter	ICD-10-CM	Diagnosis
T78.1XXA	Other adverse food reactions, not elsewhere classified, initial encounter	ICD-10-CM	Diagnosis
Y35.201A	Legal intervention involving unspecified gas, law enforcement official injured, initial encounter	ICD-10-CM	Diagnosis
Y35.201D	Legal intervention involving unspecified gas, law enforcement official injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.202A	Legal intervention involving unspecified gas, bystander injured, initial encounter	ICD-10-CM	Diagnosis
Y35.202D	Legal intervention involving unspecified gas, bystander injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.203A	Legal intervention involving unspecified gas, suspect injured, initial encounter	ICD-10-CM	Diagnosis
Y35.203D	Legal intervention involving unspecified gas, suspect injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.211A	Legal intervention involving injury by tear gas, law enforcement official injured, initial encounter	ICD-10-CM	Diagnosis
Y35.211D	Legal intervention involving injury by tear gas, law enforcement official injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.212A	Legal intervention involving injury by tear gas, bystander injured, initial encounter	ICD-10-CM	Diagnosis
Y35.212D	Legal intervention involving injury by tear gas, bystander injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.213A	Legal intervention involving injury by tear gas, suspect injured, initial encounter	ICD-10-CM	Diagnosis
Y35.213D	Legal intervention involving injury by tear gas, suspect injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.291A	Legal intervention involving other gas, law enforcement official injured, initial encounter	ICD-10-CM	Diagnosis
Y35.291D	Legal intervention involving other gas, law enforcement official injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.292A	Legal intervention involving other gas, bystander injured, initial encounter	ICD-10-CM	Diagnosis
Y35.292D	Legal intervention involving other gas, bystander injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.293A	Legal intervention involving other gas, suspect injured, initial encounter	ICD-10-CM	Diagnosis
Y35.293D	Legal intervention involving other gas, suspect injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.811A	Legal intervention involving manhandling, law enforcement official injured, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
Y35.811D	Legal intervention involving manhandling, law enforcement official injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.812A	Legal intervention involving manhandling, bystander injured, initial encounter	ICD-10-CM	Diagnosis
Y35.812D	Legal intervention involving manhandling, bystander injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.813A	Legal intervention involving manhandling, suspect injured, initial encounter	ICD-10-CM	Diagnosis
Y35.813D	Legal intervention involving manhandling, suspect injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.891A	Legal intervention involving other specified means, law enforcement official injured, initial encounter	ICD-10-CM	Diagnosis
Y35.891D	Legal intervention involving other specified means, law enforcement official injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.892A	Legal intervention involving other specified means, bystander injured, initial encounter	ICD-10-CM	Diagnosis
Y35.892D	Legal intervention involving other specified means, bystander injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.893A	Legal intervention involving other specified means, suspect injured, initial encounter	ICD-10-CM	Diagnosis
Y35.893D	Legal intervention involving other specified means, suspect injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.91XA	Legal intervention, means unspecified, law enforcement official injured, initial encounter	ICD-10-CM	Diagnosis
Y35.91XD	Legal intervention, means unspecified, law enforcement official injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.92XA	Legal intervention, means unspecified, bystander injured, initial encounter	ICD-10-CM	Diagnosis
Y35.92XD	Legal intervention, means unspecified, bystander injured, subsequent encounter	ICD-10-CM	Diagnosis
Y35.93XA	Legal intervention, means unspecified, suspect injured, initial encounter	ICD-10-CM	Diagnosis
Y35.93XD	Legal intervention, means unspecified, suspect injured, subsequent encounter	ICD-10-CM	Diagnosis
Epilepsy/Convulsions			
345	Epilepsy and recurrent seizures	ICD-9-CM	Diagnosis
345.0	Generalized nonconvulsive epilepsy	ICD-9-CM	Diagnosis
345.00	Generalized nonconvulsive epilepsy without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.01	Generalized nonconvulsive epilepsy with intractable epilepsy	ICD-9-CM	Diagnosis
345.1	Generalized convulsive epilepsy	ICD-9-CM	Diagnosis
345.10	Generalized convulsive epilepsy without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.11	Generalized convulsive epilepsy with intractable epilepsy	ICD-9-CM	Diagnosis
345.2	Epileptic petit mal status	ICD-9-CM	Diagnosis
345.3	Epileptic grand mal status	ICD-9-CM	Diagnosis
345.4	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures	ICD-9-CM	Diagnosis
345.40	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, without mention of intractable epilepsy	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
345.41	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, with intractable epilepsy	ICD-9-CM	Diagnosis
345.5	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures	ICD-9-CM	Diagnosis
345.50	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.51	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, with intractable epilepsy	ICD-9-CM	Diagnosis
345.6	Infantile spasms	ICD-9-CM	Diagnosis
345.60	Infantile spasms without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.61	Infantile spasms with intractable epilepsy	ICD-9-CM	Diagnosis
345.7	Epilepsia partialis continua	ICD-9-CM	Diagnosis
345.70	Epilepsia partialis continua without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.71	Epilepsia partialis continua with intractable epilepsy	ICD-9-CM	Diagnosis
345.8	Other forms of epilepsy and recurrent seizures	ICD-9-CM	Diagnosis
345.80	Other forms of epilepsy and recurrent seizures, without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.81	Other forms of epilepsy and recurrent seizures, with intractable epilepsy	ICD-9-CM	Diagnosis
345.9	Unspecified epilepsy	ICD-9-CM	Diagnosis
345.90	Unspecified epilepsy without mention of intractable epilepsy	ICD-9-CM	Diagnosis
345.91	Unspecified epilepsy with intractable epilepsy	ICD-9-CM	Diagnosis
780.3	Convulsions	ICD-9-CM	Diagnosis
780.31	Febrile convulsions (simple), unspecified	ICD-9-CM	Diagnosis
780.32	Complex febrile convulsions	ICD-9-CM	Diagnosis
780.33	Post traumatic seizures	ICD-9-CM	Diagnosis
780.39	Other convulsions	ICD-9-CM	Diagnosis
G40.001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.009	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.011	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.019	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.101	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.109	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.111	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.119	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
G40.201	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.209	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.211	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.219	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.301	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.309	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.311	Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.319	Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.401	Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.411	Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.419	Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.501	Epileptic seizures related to external causes, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.509	Epileptic seizures related to external causes, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.801	Other epilepsy, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.802	Other epilepsy, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.803	Other epilepsy, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.804	Other epilepsy, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.811	Lennox-Gastaut syndrome, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.812	Lennox-Gastaut syndrome, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.813	Lennox-Gastaut syndrome, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.814	Lennox-Gastaut syndrome, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.821	Epileptic spasms, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.822	Epileptic spasms, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.823	Epileptic spasms, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.824	Epileptic spasms, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.89	Other seizures	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
G40.901	Epilepsy, unspecified, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.909	Epilepsy, unspecified, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.911	Epilepsy, unspecified, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.919	Epilepsy, unspecified, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.A01	Absence epileptic syndrome, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.A09	Absence epileptic syndrome, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.A11	Absence epileptic syndrome, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.A19	Absence epileptic syndrome, intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.B01	Juvenile myoclonic epilepsy, not intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.B09	Juvenile myoclonic epilepsy, not intractable, without status epilepticus	ICD-10-CM	Diagnosis
G40.B11	Juvenile myoclonic epilepsy, intractable, with status epilepticus	ICD-10-CM	Diagnosis
G40.B19	Juvenile myoclonic epilepsy, intractable, without status epilepticus	ICD-10-CM	Diagnosis
R56.00	Simple febrile convulsions	ICD-10-CM	Diagnosis
R56.01	Complex febrile convulsions	ICD-10-CM	Diagnosis
R56.1	Post traumatic seizures	ICD-10-CM	Diagnosis
R56.9	Unspecified convulsions	ICD-10-CM	Diagnosis
Head CT			
0351	Head Scan	Revenue	Procedure
70481	Concussion	CPT-4	Procedure
70488	Concussion with no loss of consciousness	CPT-4	Procedure
70486	Concussion with brief (less than one hour) loss of consciousness	CPT-4	Procedure
70487	Concussion, with loss of consciousness of 30 minutes or less	CPT-4	Procedure
70460	Concussion, with loss of consciousness 31 to 59 minutes	CPT-4	Procedure
70496	Concussion with moderate (1-24 hours) loss of consciousness	CPT-4	Procedure
70470	Concussion with prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	CPT-4	Procedure
70480	Concussion with prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	CPT-4	Procedure
70482	Concussion with loss of consciousness of unspecified duration	CPT-4	Procedure
70450	Unspecified concussion	CPT-4	Procedure
87.03	Cerebral laceration and contusion	ICD-9-CM	Procedure
87.04	Cortex (cerebral) contusion without mention of open intracranial wound	ICD-9-CM	Procedure
8E09XBG	Cortex (cerebral) contusion without mention of open intracranial wound, state of consciousness unspecified	ICD-10-CM	Procedure
B020	Cortex (cerebral) contusion without mention of open intracranial wound, no loss of consciousness	ICD-10-CM	Procedure
B02000Z	Cortex (cerebral) contusion without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-10-CM	Procedure
B0200ZZ	Cortex (cerebral) contusion without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-10-CM	Procedure
B02010Z	Cortex (cerebral) contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
B0201ZZ	Cortex (cerebral) contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-10-CM	Procedure
B020Y0Z	Cortex (cerebral) contusion without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-10-CM	Procedure
B020YZZ	Cortex (cerebral) contusion without mention of open intracranial wound, unspecified concussion	ICD-10-CM	Procedure
B020ZZZ	Cortex (cerebral) contusion with open intracranial wound	ICD-10-CM	Procedure
BW28	Cortex (cerebral) contusion with open intracranial wound, unspecified state of consciousness	ICD-10-CM	Procedure
BW2800Z	Cortex (cerebral) contusion with open intracranial wound, no loss of consciousness	ICD-10-CM	Procedure
BW280ZZ	Cortex (cerebral) contusion with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-10-CM	Procedure
BW2810Z	Cortex (cerebral) contusion with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-10-CM	Procedure
BW281ZZ	Cortex (cerebral) contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-10-CM	Procedure
BW28Y0Z	Cortex (cerebral) contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-10-CM	Procedure
BW28YZZ	Cortex (cerebral) contusion with open intracranial wound, loss of consciousness of unspecified duration	ICD-10-CM	Procedure
BW28ZZZ	Cortex (cerebral) contusion with open intracranial wound, unspecified concussion	ICD-10-CM	Procedure
BW29	Cortex (cerebral) laceration without mention of open intracranial wound	ICD-10-CM	Procedure
BW2900Z	Cortex (cerebral) laceration without mention of open intracranial wound, unspecified state of consciousness	ICD-10-CM	Procedure
BW290ZZ	Cortex (cerebral) laceration without mention of open intracranial wound, no loss of consciousness	ICD-10-CM	Procedure
BW2910Z	Cortex (cerebral) laceration without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-10-CM	Procedure
BW291ZZ	Cortex (cerebral) laceration without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-10-CM	Procedure
BW29Y0Z	Cortex (cerebral) laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-10-CM	Procedure
BW29YZZ	Cortex (cerebral) laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-10-CM	Procedure
BW29ZZZ	Cortex (cerebral) laceration without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-10-CM	Procedure

Head Injury

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

Code	Description	Code Type	Code Category
850	Cortex (cerebral) laceration without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
850.0	Cortex (cerebral) laceration with open intracranial wound	ICD-9-CM	Diagnosis
850.1	Cortex (cerebral) laceration with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
850.11	Cortex (cerebral) laceration with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
850.12	Cortex (cerebral) laceration with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
850.2	Cortex (cerebral) laceration with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
850.3	Cortex (cerebral) laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
850.4	Cortex (cerebral) laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
850.5	Cortex (cerebral) laceration with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
850.9	Cortex (cerebral) laceration with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851	Cerebellar or brain stem contusion without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.0	Cerebellar or brain stem contusion without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.00	Cerebellar or brain stem contusion without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.01	Cerebellar or brain stem contusion without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.02	Cerebellar or brain stem contusion without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.03	Cerebellar or brain stem contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.04	Cerebellar or brain stem contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.05	Cerebellar or brain stem contusion without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.06	Cerebellar or brain stem contusion without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.09	Cerebellar or brain stem contusion with open intracranial wound	ICD-9-CM	Diagnosis
851.1	Cerebellar or brain stem contusion with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.10	Cerebellar or brain stem contusion with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.11	Cerebellar or brain stem contusion with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.12	Cerebellar or brain stem contusion with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.13	Cerebellar or brain stem contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.14	Cerebellar or brain stem contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.15	Cerebellar or brain stem contusion with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.16	Cerebellar or brain stem contusion with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.19	Cerebellar or brain stem laceration without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.2	Cerebellar or brain stem laceration without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.20	Cerebellar or brain stem laceration without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.21	Cerebellar or brain stem laceration without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.22	Cerebellar or brain stem laceration without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.23	Cerebellar or brain stem laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.24	Cerebellar or brain stem laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.25	Cerebellar or brain stem laceration without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.26	Cerebellar or brain stem laceration without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.29	Cerebellar or brain stem laceration with open intracranial wound	ICD-9-CM	Diagnosis
851.3	Cerebellar or brain stem laceration with open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
851.30	Cerebellar or brain stem laceration with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.31	Cerebellar or brain stem laceration with open intracranial wound, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.32	Cerebellar or brain stem laceration with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.33	Cerebellar or brain stem laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.34	Cerebellar or brain stem laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.35	Cerebellar or brain stem laceration with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.36	Cerebellar or brain stem laceration with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.39	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.4	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.40	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.41	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.42	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.43	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level	ICD-9-CM	Diagnosis
851.44	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.45	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.46	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.49	Other and unspecified cerebral laceration and contusion, with open intracranial wound	ICD-9-CM	Diagnosis
851.5	Other and unspecified cerebral laceration and contusion, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.50	Other and unspecified cerebral laceration and contusion, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.51	Other and unspecified cerebral laceration and contusion, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.52	Other and unspecified cerebral laceration and contusion, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.53	Other and unspecified cerebral laceration and contusion, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.54	Other and unspecified cerebral laceration and contusion, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.55	Other and unspecified cerebral laceration and contusion, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.56	Other and unspecified cerebral laceration and contusion, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.59	Subarachnoid, subdural, and extradural hemorrhage, following injury	ICD-9-CM	Diagnosis
851.6	Subarachnoid hemorrhage following injury without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.60	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.61	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.62	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.63	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.64	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.65	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.66	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.69	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.7	Subarachnoid hemorrhage following injury, with open intracranial wound	ICD-9-CM	Diagnosis
851.70	Subarachnoid hemorrhage following injury, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.71	Subarachnoid hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.72	Subarachnoid hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.73	Subarachnoid hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.74	Subarachnoid hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.75	Subarachnoid hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.76	Subarachnoid hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.79	Subarachnoid hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.8	Subdural hemorrhage following injury without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.80	Subdural hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.81	Subdural hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.82	Subdural hemorrhage following injury, without mention of open intracranial wound, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
851.83	Subdural hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.84	Subdural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.85	Subdural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.86	Subdural hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.89	Subdural hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.9	Subdural hemorrhage following injury, with open intracranial wound	ICD-9-CM	Diagnosis
851.90	Subdural hemorrhage following injury, with open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
851.91	Subdural hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.92	Subdural hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.93	Subdural hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.94	Subdural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.95	Subdural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.96	Subdural hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.99	Subdural hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852	Extradural hemorrhage following injury without mention of open intracranial wound	ICD-9-CM	Diagnosis
852.0	Extradural hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.00	Extradural hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.01	Extradural hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.02	Extradural hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.03	Extradural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.04	Extradural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.05	Extradural hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.06	Extradural hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.09	Extradural hemorrhage following injury with open intracranial wound	ICD-9-CM	Diagnosis
852.1	Extradural hemorrhage following injury, with open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
852.10	Extradural hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.11	Extradural hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.12	Extradural hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.13	Extradural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.14	Extradural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.15	Extradural hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.16	Extradural hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
852.19	Other and unspecified intracranial hemorrhage following injury	ICD-9-CM	Diagnosis
852.2	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound	ICD-9-CM	Diagnosis
852.20	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.21	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.22	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.23	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.24	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level	ICD-9-CM	Diagnosis
852.25	Other and unspecified intracranial hemorrhage following injury. Without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.26	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.29	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.3	Other and unspecified intracranial hemorrhage following injury with open intracranial wound	ICD-9-CM	Diagnosis
852.30	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.31	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.32	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.33	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.34	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.35	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.36	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
852.39	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.4	Intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
852.40	Intracranial injury of other and unspecified nature without mention of open intracranial wound	ICD-9-CM	Diagnosis
852.41	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.42	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.43	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.44	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.45	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.46	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.49	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.5	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.50	Intracranial injury of other and unspecified nature with open intracranial wound	ICD-9-CM	Diagnosis
852.51	Intracranial injury of other and unspecified nature, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.52	Intracranial injury of other and unspecified nature, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.53	Intracranial injury of other and unspecified nature, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.54	Intracranial injury of other and unspecified nature, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.55	Intracranial injury of other and unspecified nature, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.56	Intracranial injury of other and unspecified nature, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.59	Intracranial injury of other and unspecified nature, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
853	Intracranial injury of other and unspecified nature, with open intracranial wound, with unspecified concussion	ICD-9-CM	Diagnosis
853.0	Late effect of intracranial injury without mention of skull fracture	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
853.00	Head injury, unspecified	ICD-9-CM	Diagnosis
853.01	Unspecified open wound of unspecified part of head, initial encounter	ICD-9-CM	Diagnosis
853.02	Concussion without loss of consciousness, initial encounter	ICD-9-CM	Diagnosis
853.03	Concussion without loss of consciousness, sequela	ICD-9-CM	Diagnosis
853.04	Concussion with loss of consciousness of 30 minutes or less, initial encounter	ICD-9-CM	Diagnosis
853.05	Concussion with loss of consciousness of 30 minutes or less, sequela	ICD-9-CM	Diagnosis
853.06	Concussion with loss of consciousness of unspecified duration, initial encounter	ICD-9-CM	Diagnosis
853.09	Concussion with loss of consciousness of unspecified duration, sequela	ICD-9-CM	Diagnosis
853.1	Traumatic cerebral edema without loss of consciousness, initial encounter	ICD-9-CM	Diagnosis
853.10	Traumatic cerebral edema without loss of consciousness, sequela	ICD-9-CM	Diagnosis
853.11	Traumatic cerebral edema with loss of consciousness of 30 minutes or less, initial encounter	ICD-9-CM	Diagnosis
853.12	Traumatic cerebral edema with loss of consciousness of 30 minutes or less, sequela	ICD-9-CM	Diagnosis
853.13	Traumatic cerebral edema with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-9-CM	Diagnosis
853.14	Traumatic cerebral edema with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-9-CM	Diagnosis
853.15	Traumatic cerebral edema with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-9-CM	Diagnosis
853.16	Traumatic cerebral edema with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-9-CM	Diagnosis
853.19	Traumatic cerebral edema with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-9-CM	Diagnosis
854	Traumatic cerebral edema with loss of consciousness of 6 hours to 24 hours, sequela	ICD-9-CM	Diagnosis
854.0	Traumatic cerebral edema with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-9-CM	Diagnosis
854.00	Traumatic cerebral edema with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-9-CM	Diagnosis
854.01	Traumatic cerebral edema with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-9-CM	Diagnosis
854.02	Traumatic cerebral edema with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-9-CM	Diagnosis
854.03	Traumatic cerebral edema with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-9-CM	Diagnosis
854.04	Traumatic cerebral edema with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-9-CM	Diagnosis
854.05	Traumatic cerebral edema with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-9-CM	Diagnosis
854.06	Traumatic cerebral edema with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
854.09	Traumatic cerebral edema with loss of consciousness of unspecified duration, initial encounter	ICD-9-CM	Diagnosis
854.1	Traumatic cerebral edema with loss of consciousness of unspecified duration, sequela	ICD-9-CM	Diagnosis
854.10	Diffuse traumatic brain injury without loss of consciousness, initial encounter	ICD-9-CM	Diagnosis
854.11	Diffuse traumatic brain injury without loss of consciousness, sequela	ICD-9-CM	Diagnosis
854.12	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-9-CM	Diagnosis
854.13	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, sequela	ICD-9-CM	Diagnosis
854.14	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-9-CM	Diagnosis
854.15	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-9-CM	Diagnosis
854.16	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-9-CM	Diagnosis
854.19	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-9-CM	Diagnosis
907.0	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-9-CM	Diagnosis
959.01	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, sequela	ICD-9-CM	Diagnosis
S01.90XA	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, initial encounter	ICD-10-CM	Diagnosis
S06.0X0A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, sequela	ICD-10-CM	Diagnosis
S06.0X0S	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.0X1A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.0X1S	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.0X9A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.0X9S	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.1X0A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.1X0S	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.1X1A	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.1X1S	Unspecified focal traumatic brain injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.1X2A	Unspecified focal traumatic brain injury without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.1X2S	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.1X3A	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.1X3S	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.1X4A	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.1X4S	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.1X5A	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.1X5S	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.1X6A	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.1X6S	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.1X7A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.1X7S	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.1X8A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.1X8S	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.1X9A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.1X9S	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.2X0A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.2X0S	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.2X1A	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.2X1S	Contusion and laceration of right cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.2X2A	Contusion and laceration of right cerebrum without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.2X2S	Contusion and laceration of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.2X3A	Contusion and laceration of right cerebrum with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.2X3S	Contusion and laceration of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.2X4A	Contusion and laceration of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.2X4S	Contusion and laceration of right cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.2X5A	Contusion and laceration of right cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.2X5S	Contusion and laceration of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.2X6A	Contusion and laceration of right cerebrum with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.2X6S	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.2X7A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.2X7S	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.2X8A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.2X8S	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.2X9A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.2X9S	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.300A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.300S	Contusion and laceration of right cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.301A	Contusion and laceration of right cerebrum with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.301S	Contusion and laceration of left cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.302A	Contusion and laceration of left cerebrum without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.302S	Contusion and laceration of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.303A	Contusion and laceration of left cerebrum with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.303S	Contusion and laceration of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.304A	Contusion and laceration of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.304S	Contusion and laceration of left cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.305A	Contusion and laceration of left cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.305S	Contusion and laceration of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.306A	Contusion and laceration of left cerebrum with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.306S	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.307A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.307S	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.308A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.308S	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.309A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.309S	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.310A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.310S	Contusion and laceration of left cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.311A	Contusion and laceration of left cerebrum with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.311S	Contusion and laceration of cerebrum, unspecified, without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.312A	Contusion and laceration of cerebrum, unspecified, without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.312S	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.313A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.313S	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.314A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.314S	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.315A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.315S	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.316A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.316S	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.317A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.317S	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	ICD-10-CM	Diagnosis
S06.318A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.318S	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	ICD-10-CM	Diagnosis
S06.319A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.319S	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	ICD-10-CM	Diagnosis
S06.320A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.320S	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.321A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.321S	Traumatic hemorrhage of right cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.322A	Traumatic hemorrhage of right cerebrum without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.322S	Traumatic hemorrhage of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.323A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.323S	Traumatic hemorrhage of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.324A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.324S	Traumatic hemorrhage of right cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.325A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.325S	Traumatic hemorrhage of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.326A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.326S	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.327A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.327S	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.328A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.328S	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.329A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.329S	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.330A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.330S	Traumatic hemorrhage of right cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.331A	Traumatic hemorrhage of right cerebrum with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.331S	Traumatic hemorrhage of left cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.332A	Traumatic hemorrhage of left cerebrum without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.332S	Traumatic hemorrhage of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.333A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.333S	Traumatic hemorrhage of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.334A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.334S	Traumatic hemorrhage of left cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.335A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.335S	Traumatic hemorrhage of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.336A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.336S	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.337A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.337S	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.338A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.338S	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.339A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.339S	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.340A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.340S	Traumatic hemorrhage of left cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.341A	Traumatic hemorrhage of left cerebrum with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.341S	Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.342A	Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.342S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.343A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.343S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.344A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.344S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.345A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.345S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.346A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.346S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.347A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.347S	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	ICD-10-CM	Diagnosis
S06.348A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.348S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.349A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.349S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.350A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.350S	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.351A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.351S	Contusion, laceration, and hemorrhage of cerebellum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.352A	Contusion, laceration, and hemorrhage of cerebellum without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.352S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.353A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.353S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.354A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.354S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.355A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.355S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.356A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.356S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.357A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.357S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.358A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.358S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.359A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.359S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.360A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.360S	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.361A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.361S	Contusion, laceration, and hemorrhage of brainstem without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.362A	Contusion, laceration, and hemorrhage of brainstem without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.362S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.363A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.363S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.364A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.364S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.365A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.365S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.366A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.366S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.367A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.367S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.368A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.368S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.369A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.369S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.370A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.370S	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.371A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.371S	Epidural hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.372A	Epidural hemorrhage without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.372S	Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.373A	Epidural hemorrhage with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.373S	Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.374A	Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.374S	Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.375A	Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.375S	Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.376A	Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.376S	Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.377A	Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.377S	Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.378A	Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.378S	Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.379A	Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.379S	Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.380A	Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.380S	Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.381A	Epidural hemorrhage with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.381S	Traumatic subdural hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.382A	Traumatic subdural hemorrhage without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.382S	Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.383A	Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.383S	Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.384A	Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.384S	Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.385A	Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.385S	Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.386A	Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.386S	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.387A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.387S	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.388A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.388S	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.389A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.389S	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X0A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.4X0S	Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.4X1A	Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.4X1S	Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X2A	Traumatic subarachnoid hemorrhage without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.4X2S	Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.4X3A	Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.4X3S	Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.4X4A	Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.4X4S	Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.4X5A	Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.4X5S	Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.4X6A	Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.4X6S	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.4X7A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.4X7S	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.4X8A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.4X8S	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X9A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.4X9S	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.5X0A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.5X0S	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.5X1A	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.5X1S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.5X2A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.5X2S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.5X3A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.5X3S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.5X4A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.5X4S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.5X5A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.5X5S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.5X6A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.5X6S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.5X7A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.5X7S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.5X8A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.5X8S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.5X9A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.5X9S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X0A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.6X0S	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.6X1A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.6X1S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X2A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.6X2S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.6X3A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.6X3S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.6X4A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.6X4S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.6X5A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.6X5S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.6X6A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.6X6S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.6X7A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.6X7S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.6X8A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.6X8S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X9A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.6X9S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.810A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.810S	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.811A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.811S	Other specified intracranial injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.812A	Other specified intracranial injury without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.812S	Other specified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.813A	Other specified intracranial injury with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.813S	Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.814A	Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.814S	Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.815A	Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.815S	Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.816A	Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.816S	Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.817A	Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.817S	Other specified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.818A	Other specified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.818S	Other specified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.819A	Other specified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.819S	Other specified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.820A	Other specified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.820S	Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.821A	Other specified intracranial injury with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.821S	Unspecified intracranial injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.822A	Unspecified intracranial injury without loss of consciousness, sequela	ICD-10-CM	Diagnosis
S06.822S	Unspecified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.823A	Unspecified intracranial injury with loss of consciousness of 30 minutes or less, sequela	ICD-10-CM	Diagnosis
S06.823S	Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.824A	Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.824S	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.825A	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, sequela	ICD-10-CM	Diagnosis
S06.825S	Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.826A	Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, sequela	ICD-10-CM	Diagnosis
S06.826S	Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.827A	Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, sequela	ICD-10-CM	Diagnosis
S06.827S	Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.828A	Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, sequela	ICD-10-CM	Diagnosis
S06.828S	Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.829A	Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.829S	Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.890A	Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, sequela	ICD-10-CM	Diagnosis
S06.890S	Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.891A	Unspecified intracranial injury with loss of consciousness of unspecified duration, sequela	ICD-10-CM	Diagnosis
S06.891S	Unspecified injury of muscle and tendon of head, initial encounter	ICD-10-CM	Diagnosis
S06.892A	Strain of muscle and tendon of head, initial encounter	ICD-10-CM	Diagnosis
S06.892S	Other specified injury of muscle and tendon of head, initial encounter	ICD-10-CM	Diagnosis
S06.893A	Other specified injuries of head, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.893S	Unspecified injury of head, initial encounter	ICD-10-CM	Diagnosis
S06.894A	End-stage renal disease (ESRD) related services monthly, for patients 20 years of age and older; with 4 or more face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.894S	End-stage renal disease (ESRD) related services for dialysis less than a full month of service, per day; for patients 20 years of age and older	ICD-10-CM	Diagnosis
S06.895A	End-stage renal disease (ESRD) related services monthly, for patients younger than 2 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 1 face-to-face visit by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.895S	End-stage renal disease (ESRD) related services for home dialysis per full month, for patients 2-11 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents	ICD-10-CM	Diagnosis
S06.896A	Dialysis procedure other than hemodialysis (eg, peritoneal dialysis, hemofiltration, or other continuous renal replacement therapies), with single evaluation by a physician or other qualified health care professional	ICD-10-CM	Diagnosis
S06.896S	End-stage renal disease (ESRD) related services monthly, for patients 12-19 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 1 face-to-face visit by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.897A	Dialysis procedure other than hemodialysis (eg, peritoneal dialysis, hemofiltration, or other continuous renal replacement therapies) requiring repeated evaluations by a physician or other qualified health care professional, with or without substantial revision of dialysis prescription	ICD-10-CM	Diagnosis
S06.897S	End-stage renal disease (ESRD) related services monthly, for patients 2-11 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 4 or more face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.898A	End-stage renal disease (ESRD) related services for home dialysis per full month, for patients 20 years of age and older	ICD-10-CM	Diagnosis
S06.898S	End-stage renal disease (ESRD) related services monthly, for patients 12-19 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 4 or more face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.899A	End-stage renal disease (ESRD) related services for dialysis less than a full month of service, per day; for patients 2-11 years of age	ICD-10-CM	Diagnosis
S06.899S	End-stage renal disease (ESRD) related services monthly, for patients 12-19 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 2-3 face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.9X0A	Hemoperfusion (eg, with activated charcoal or resin)	ICD-10-CM	Diagnosis
S06.9X0S	End-stage renal disease (ESRD) related services for dialysis less than a full month of service, per day; for patients younger than 2 years of age	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.9X1A	End-stage renal disease (ESRD) related services monthly, for patients younger than 2 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 4 or more face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.9X1S	Hemodialysis procedure with single evaluation by a physician or other qualified health care professional	ICD-10-CM	Diagnosis
S06.9X2A	End-stage renal disease (ESRD) related services monthly, for patients younger than 2 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 2-3 face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.9X2S	End-stage renal disease (ESRD) related services monthly, for patients 2-11 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 1 face-to-face visit by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.9X3A	End-stage renal disease (ESRD) related services monthly, for patients 20 years of age and older; with 1 face-to-face visit by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.9X3S	End-stage renal disease (ESRD) related services monthly, for patients 2-11 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents; with 2-3 face-to-face visits by a physician or other qualified health care professional per month	ICD-10-CM	Diagnosis
S06.9X4A	End-stage renal disease (ESRD) related services for home dialysis per full month, for patients younger than 2 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents	ICD-10-CM	Diagnosis
S06.9X4S	Hemodialysis procedure requiring repeated evaluation(s) with or without substantial revision of dialysis prescription	ICD-10-CM	Diagnosis
S06.9X5A	Unscheduled or emergency dialysis treatment for an ESRD patient in a hospital outpatient department that is not certified as an ESRD facility	ICD-10-CM	Diagnosis
S06.9X5S	Unlisted dialysis procedure, inpatient or outpatient	ICD-10-CM	Diagnosis
S06.9X6A	End-stage renal disease (ESRD) related services for home dialysis per full month, for patients 12-19 years of age to include monitoring for the adequacy of nutrition, assessment of growth and development, and counseling of parents	ICD-10-CM	Diagnosis
S06.9X6S	End-stage renal disease (ESRD) related services for dialysis less than a full month of service, per day; for patients 12-19 years of age	ICD-10-CM	Diagnosis
S06.9X7A	Acute kidney failure	ICD-10-CM	Diagnosis
S06.9X7S	Acute kidney failure with lesion of tubular necrosis	ICD-10-CM	Diagnosis
S06.9X8A	Acute kidney failure with lesion of renal cortical necrosis	ICD-10-CM	Diagnosis
S06.9X8S	Acute kidney failure with lesion of medullary [papillary] necrosis	ICD-10-CM	Diagnosis
S06.9X9A	Acute kidney failure with other specified pathological lesion in kidney	ICD-10-CM	Diagnosis
S06.9X9S	Acute kidney failure, unspecified	ICD-10-CM	Diagnosis
S09.10XA	Chronic kidney disease (CKD)	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S09.11XA	Chronic kidney disease, Stage I	ICD-10-CM	Diagnosis
S09.19XA	Chronic kidney disease, Stage II (mild)	ICD-10-CM	Diagnosis
S09.8XXA	Chronic kidney disease, Stage III (moderate)	ICD-10-CM	Diagnosis
S09.90XA	Chronic kidney disease, Stage IV (severe)	ICD-10-CM	Diagnosis
Kidney Disease			
90960	Chronic kidney disease, Stage V	CPT-4	Procedure
90970	Chronic kidney disease, unspecified	CPT-4	Procedure
90953	Unspecified renal failure	CPT-4	Procedure
90964	Renal dialysis status	CPT-4	Procedure
90945	Acute kidney failure with tubular necrosis	CPT-4	Procedure
90959	Acute kidney failure with acute cortical necrosis	CPT-4	Procedure
90947	Acute kidney failure with medullary necrosis	CPT-4	Procedure
90954	Other acute kidney failure	CPT-4	Procedure
90966	Acute kidney failure, unspecified	CPT-4	Procedure
90957	Chronic kidney disease, stage 1	CPT-4	Procedure
90968	Chronic kidney disease, stage 2 (mild)	CPT-4	Procedure
90958	Chronic kidney disease, stage 3 (moderate)	CPT-4	Procedure
90997	Chronic kidney disease, stage 4 (severe)	CPT-4	Procedure
90967	Chronic kidney disease, stage 5	CPT-4	Procedure
90951	Chronic kidney disease, unspecified	CPT-4	Procedure
90935	Unspecified kidney failure	CPT-4	Procedure
90952	Dependence on renal dialysis	CPT-4	Procedure
90956	Occlusion and stenosis of basilar artery with cerebral infarction	CPT-4	Procedure
90962	Occlusion and stenosis of carotid artery with cerebral infarction	CPT-4	Procedure
90955	Occlusion and stenosis of vertebral artery with cerebral infarction	CPT-4	Procedure
90963	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	CPT-4	Procedure
90937	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	CPT-4	Procedure
G0257	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	HCPCS	Procedure
90999	Cerebral thrombosis with cerebral infarction	CPT-4	Procedure
90965	Cerebral embolism with cerebral infarction	CPT-4	Procedure
90969	Unspecified cerebral artery occlusion with cerebral infarction	CPT-4	Procedure
584	Acute, but ill-defined, cerebrovascular disease	ICD-9-CM	Diagnosis
584.5	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries	ICD-9-CM	Diagnosis
584.6	Cerebral infarction due to embolism of unspecified carotid artery	ICD-9-CM	Diagnosis
584.7	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	ICD-9-CM	Diagnosis
584.8	Cerebral infarction due to thrombosis of unspecified vertebral artery	ICD-9-CM	Diagnosis
584.9	Cerebral infarction due to embolism of unspecified vertebral artery	ICD-9-CM	Diagnosis
585	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
585.1	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	ICD-9-CM	Diagnosis
585.2	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	ICD-9-CM	Diagnosis
585.3	Cerebral infarction due to thrombosis of unspecified cerebral artery	ICD-9-CM	Diagnosis
585.4	Cerebral infarction due to embolism of unspecified cerebral artery	ICD-9-CM	Diagnosis
585.5	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	ICD-9-CM	Diagnosis
585.9	Other cerebrovascular disease	ICD-9-CM	Diagnosis
586	Cerebral infarction due to thrombosis of unspecified precerebral artery	ICD-9-CM	Diagnosis
V45.11	Cerebral infarction due to thrombosis of right vertebral artery	ICD-9-CM	Diagnosis
N17.0	Cerebral infarction due to thrombosis of left vertebral artery	ICD-10-CM	Diagnosis
N17.1	Cerebral infarction due to thrombosis of bilateral vertebral arteries	ICD-10-CM	Diagnosis
N17.2	Cerebral infarction due to thrombosis of basilar artery	ICD-10-CM	Diagnosis
N17.8	Cerebral infarction due to thrombosis of right carotid artery	ICD-10-CM	Diagnosis
N17.9	Cerebral infarction due to thrombosis of left carotid artery	ICD-10-CM	Diagnosis
N18.1	Cerebral infarction due to thrombosis of bilateral carotid arteries	ICD-10-CM	Diagnosis
N18.2	Cerebral infarction due to thrombosis of unspecified carotid artery	ICD-10-CM	Diagnosis
N18.3	Cerebral infarction due to thrombosis of other precerebral artery	ICD-10-CM	Diagnosis
N18.4	Cerebral infarction due to embolism of unspecified precerebral artery	ICD-10-CM	Diagnosis
N18.5	Cerebral infarction due to embolism of right vertebral artery	ICD-10-CM	Diagnosis
N18.9	Cerebral infarction due to embolism of left vertebral artery	ICD-10-CM	Diagnosis
N19	Cerebral infarction due to embolism of bilateral vertebral arteries	ICD-10-CM	Diagnosis
Z99.2	Cerebral infarction due to embolism of basilar artery	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
Stroke			
433.01	Cerebral infarction due to embolism of right carotid artery	ICD-9-CM	Diagnosis
433.11	Cerebral infarction due to embolism of left carotid artery	ICD-9-CM	Diagnosis
433.21	Cerebral infarction due to embolism of bilateral carotid arteries	ICD-9-CM	Diagnosis
433.31	Cerebral infarction due to embolism of other precerebral artery	ICD-9-CM	Diagnosis
433.81	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries	ICD-9-CM	Diagnosis
433.91	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries	ICD-9-CM	Diagnosis
434.01	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	ICD-9-CM	Diagnosis
434.11	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	ICD-9-CM	Diagnosis
434.91	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	ICD-9-CM	Diagnosis
436	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	ICD-9-CM	Diagnosis
163.22	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	ICD-10-CM	Diagnosis
163.139	Cerebral infarction due to thrombosis of right middle cerebral artery	ICD-10-CM	Diagnosis
163.239	Cerebral infarction due to thrombosis of left middle cerebral artery	ICD-10-CM	Diagnosis
163.019	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
163.119	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
163.219	Cerebral infarction due to thrombosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
163.59	Cerebral infarction due to thrombosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
163.20	Cerebral infarction due to thrombosis of bilateral anterior arteries	ICD-10-CM	Diagnosis
163.30	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
163.40	Cerebral infarction due to thrombosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
163.50	Cerebral infarction due to thrombosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
167.89	Cerebral infarction to thrombosis of bilateral posterior arteries	ICD-10-CM	Diagnosis
163.00	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
163.011	Cerebral infarction due to thrombosis of right cerebellar artery	ICD-10-CM	Diagnosis
163.012	Cerebral infarction due to thrombosis of left cerebellar artery	ICD-10-CM	Diagnosis
163.013	Cerebral infarction to thrombosis of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
163.02	Cerebral infarction due to thrombosis of unspecified cerebellar artery	ICD-10-CM	Diagnosis
163.031	Cerebral infarction due to thrombosis of other cerebral artery	ICD-10-CM	Diagnosis
163.032	Cerebral infarction due to embolism of right middle cerebral artery	ICD-10-CM	Diagnosis
163.033	Cerebral infarction due to embolism of left middle cerebral artery	ICD-10-CM	Diagnosis
163.039	Cerebral infarction due to embolism of bilateral middle cerebral arteries	ICD-10-CM	Diagnosis
163.09	Cerebral infarction due to embolism of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
163.10	Cerebral infarction due to embolism of right anterior cerebral artery	ICD-10-CM	Diagnosis
163.111	Cerebral infarction due to embolism of left anterior cerebral artery	ICD-10-CM	Diagnosis
163.112	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
I63.113	Cerebral infarction due to embolism of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.12	Cerebral infarction due to embolism of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.131	Cerebral infarction due to embolism of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.132	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	ICD-10-CM	Diagnosis
I63.133	Cerebral infarction due to embolism of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.19	Cerebral infarction due to embolism of right cerebellar artery	ICD-10-CM	Diagnosis
I63.211	Cerebral infarction due to embolism of left cerebellar artery	ICD-10-CM	Diagnosis
I63.212	Cerebral infarction due to embolism of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.213	Cerebral infarction due to embolism of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.231	Cerebral infarction due to embolism of other cerebral artery	ICD-10-CM	Diagnosis
I63.232	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	ICD-10-CM	Diagnosis
I63.233	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	ICD-10-CM	Diagnosis
I63.29	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries	ICD-10-CM	Diagnosis
I63.311	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I63.312	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	ICD-10-CM	Diagnosis
I63.313	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	ICD-10-CM	Diagnosis
I63.319	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries	ICD-10-CM	Diagnosis
I63.321	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	ICD-10-CM	Diagnosis
I63.322	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	ICD-10-CM	Diagnosis
I63.323	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	ICD-10-CM	Diagnosis
I63.329	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries	ICD-10-CM	Diagnosis
I63.331	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	ICD-10-CM	Diagnosis
I63.332	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	ICD-10-CM	Diagnosis
I63.333	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	ICD-10-CM	Diagnosis
I63.339	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	ICD-10-CM	Diagnosis
I63.341	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	ICD-10-CM	Diagnosis
I63.342	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
I63.343	Other cerebral infarction	ICD-10-CM	Diagnosis
I63.349	Cerebral infarction, unspecified	ICD-10-CM	Diagnosis
I63.39	Syncope and collapse	ICD-10-CM	Diagnosis
I63.411	Syncope and collapse	ICD-10-CM	Diagnosis
I63.412	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; with contrast material(s)	ICD-10-CM	Diagnosis
I63.413	Computed tomography, maxillofacial area; without contrast material, followed by contrast material(s) and further sections	ICD-10-CM	Diagnosis
I63.419	Computed tomography, maxillofacial area; without contrast material	ICD-10-CM	Diagnosis
I63.421	Computed tomography, maxillofacial area; with contrast material(s)	ICD-10-CM	Diagnosis
I63.422	Computed tomography, head or brain; with contrast material(s)	ICD-10-CM	Diagnosis
I63.423	Computed tomographic angiography, head, with contrast material(s), including noncontrast images, if performed, and image postprocessing	ICD-10-CM	Diagnosis
I63.429	Computed tomography, head or brain; without contrast material, followed by contrast material(s) and further sections	ICD-10-CM	Diagnosis
I63.431	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material	ICD-10-CM	Diagnosis
I63.432	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material, followed by contrast material(s) and further sections	ICD-10-CM	Diagnosis
I63.433	Computed tomography, head or brain; without contrast material	ICD-10-CM	Diagnosis
I63.439	Computerized axial tomography of head	ICD-10-CM	Diagnosis
I63.441	Other tomography of head	ICD-10-CM	Diagnosis
I63.442	Computer Assisted Procedure of Head and Neck Region, With Computerized Tomography	ICD-10-CM	Diagnosis
I63.443	Computerized Tomography (CT Scan) / Brain	ICD-10-CM	Diagnosis
I63.449	Computerized Tomography (CT Scan) of Brain using High Osmolar Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
I63.49	Computerized Tomography (CT Scan) of Brain using High Osmolar Contrast	ICD-10-CM	Diagnosis
I63.511	Computerized Tomography (CT Scan) of Brain using Low Osmolar Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
I63.512	Computerized Tomography (CT Scan) of Brain using Low Osmolar Contrast	ICD-10-CM	Diagnosis
I63.513	Computerized Tomography (CT Scan) of Brain using Other Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
I63.519	Computerized Tomography (CT Scan) of Brain using Other Contrast	ICD-10-CM	Diagnosis
I63.521	Computerized Tomography (CT Scan) of Brain	ICD-10-CM	Diagnosis
I63.522	Computerized Tomography (CT Scan) / Head	ICD-10-CM	Diagnosis
I63.523	Computerized Tomography (CT Scan) of Head using High Osmolar Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
I63.529	Computerized Tomography (CT Scan) of Head using High Osmolar Contrast	ICD-10-CM	Diagnosis
I63.531	Computerized Tomography (CT Scan) of Head using Low Osmolar Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
I63.532	Computerized Tomography (CT Scan) of Head using Low Osmolar Contrast	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
163.533	Computerized Tomography (CT Scan) of Head using Other Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
163.539	Computerized Tomography (CT Scan) of Head using Other Contrast	ICD-10-CM	Diagnosis
163.541	Computerized Tomography (CT Scan) of Head	ICD-10-CM	Diagnosis
163.542	Computerized Tomography (CT Scan) / Head and Neck	ICD-10-CM	Diagnosis
163.543	Computerized Tomography (CT Scan) of Head and Neck using High Osmolar Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
163.549	Computerized Tomography (CT Scan) of Head and Neck using High Osmolar Contrast	ICD-10-CM	Diagnosis
163.6	Computerized Tomography (CT Scan) of Head and Neck using Low Osmolar Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
163.8	Computerized Tomography (CT Scan) of Head and Neck using Low Osmolar Contrast	ICD-10-CM	Diagnosis
163.9	Computerized Tomography (CT Scan) of Head and Neck using Other Contrast, Unenhanced and Enhanced	ICD-10-CM	Diagnosis
Syncope			
780.2	Computerized Tomography (CT Scan) of Head and Neck using Other Contrast	ICD-9-CM	Diagnosis
R55	Computerized Tomography (CT Scan) of Head and Neck	ICD-10-CM	Diagnosis
Non-Contrast Head MRI or MRA			
70551	Magnetic resonance (eg, proton) imaging, brain (including brain stem); without contrast material	CPT-4	Procedure
70554	Magnetic resonance imaging, brain, functional MRI; including test selection and administration of repetitive body part movement and/or visual stimulation, not requiring physician or psychologist administration	CPT-4	Procedure
70555	Magnetic resonance imaging, brain, functional MRI; requiring physician or psychologist administration of entire neurofunctional testing	CPT-4	Procedure
70557	Magnetic resonance (eg, proton) imaging, brain (including brain stem and skull base), during open intracranial procedure (eg, to assess for residual tumor or residual vascular malformation); without contrast material	CPT-4	Procedure
70540	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; without contrast material(s)	CPT-4	Procedure
D0369	maxillofacial MRI capture and interpretation	HCPCS	Procedure
D0385	maxillofacial MRI image capture	HCPCS	Procedure
76390	Magnetic resonance spectroscopy	CPT-4	Procedure
70544	Magnetic resonance angiography, head; without contrast material(s)	CPT-4	Procedure

Appendix D. List of Generic Drug Names Used to Define Exclusions in this Request

Generic Name

Acetazolamide
Acetazolamide Sodium
Brivaracetam
Carbamazepine
Clobazam
Clonazepam
Clorazepate Dipotassium
Diazepam
Divalproex Sodium
Eslicarbazepine Acetate
Ethosuximide
Ethotoin
Ezogabine
Felbamate
Fosphenytoin Sodium
Gabapentin
Gabapentin Enacarbil
Gabapentin/Capsaicin/Methyl Salicylate/Menthol
Gabapentin/Dietary Supplement, Misc Combo No.11
Gabapentin/Lidocaine HCl/Menthol
Lacosamide
Lamotrigine
Levetiracetam
Levetiracetam In Sodium Chloride, Iso-Osmotic
Lorazepam
Lorazepam In 0.9 % Sodium Chloride
Lorazepam/Dextrose 5 % In Water
Methazolamide
Methsuximide
Midazolam HCl
Midazolam HCl In 0.9 % Sodium Chloride
Midazolam HCl In 0.9 % Sodium Chloride/PF
Midazolam HCl In Dextrose 5% In Water
Midazolam HCl/Dextrose 5%-Water/PF
Midazolam HCl/PF
Oxcarbazepine
Perampanel
Phenobarbital
Phenobarbital Sodium
Phenobarbital Sodium In 0.9 % Sodium Chloride
Phenytoin
Phenytoin Sodium
Phenytoin Sodium Extended
Potassium Bromide
Pregabalin
Primidone

Appendix D. List of Generic Drug Names Used to Define Exclusions in this Request

Generic Name

Rufinamide

Tiagabine HCl

Topiramate

Valproic Acid

Valproic Acid (as Sodium Salt) (Valproate Sodium)

Vigabatrin

Zonisamide

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

Code	Description	Code Type	Code Category
Advanced Liver Disease			
456.0	Esophageal varices with bleeding	ICD-9-CM	Diagnosis
456.1	Esophageal varices without mention of bleeding	ICD-9-CM	Diagnosis
456.2	Esophageal varices in diseases classified elsewhere	ICD-9-CM	Diagnosis
456.20	Esophageal varices with bleeding in diseases classified elsewhere	ICD-9-CM	Diagnosis
456.21	Esophageal varices without mention of bleeding in diseases classified elsewhere	ICD-9-CM	Diagnosis
572.2	Hepatic encephalopathy	ICD-9-CM	Diagnosis
572.3	Portal hypertension	ICD-9-CM	Diagnosis
572.4	Hepatorenal syndrome	ICD-9-CM	Diagnosis
572.8	Other sequelae of chronic liver disease	ICD-9-CM	Diagnosis
I85.00	Esophageal varices without bleeding	ICD-10-CM	Diagnosis
I85.01	Esophageal varices with bleeding	ICD-10-CM	Diagnosis
I85.10	Secondary esophageal varices without bleeding	ICD-10-CM	Diagnosis
I85.11	Secondary esophageal varices with bleeding	ICD-10-CM	Diagnosis
K70.41	Alcoholic hepatic failure with coma	ICD-10-CM	Diagnosis
K71.11	Toxic liver disease with hepatic necrosis, with coma	ICD-10-CM	Diagnosis
K72.01	Acute and subacute hepatic failure with coma	ICD-10-CM	Diagnosis
K72.10	Chronic hepatic failure without coma	ICD-10-CM	Diagnosis
K72.11	Chronic hepatic failure with coma	ICD-10-CM	Diagnosis
K72.90	Hepatic failure, unspecified without coma	ICD-10-CM	Diagnosis
K72.91	Hepatic failure, unspecified with coma	ICD-10-CM	Diagnosis
K76.6	Portal hypertension	ICD-10-CM	Diagnosis
K76.7	Hepatorenal syndrome	ICD-10-CM	Diagnosis
Allergy			
477	Allergic rhinitis	ICD-9-CM	Diagnosis
477.0	Allergic rhinitis due to pollen	ICD-9-CM	Diagnosis
477.1	Allergic rhinitis, due to food	ICD-9-CM	Diagnosis
477.2	Allergic rhinitis due to animal (cat) (dog) hair and dander	ICD-9-CM	Diagnosis
477.8	Allergic rhinitis due to other allergen	ICD-9-CM	Diagnosis
477.9	Allergic rhinitis, cause unspecified	ICD-9-CM	Diagnosis
518.6	Allergic bronchopulmonary aspergillosis	ICD-9-CM	Diagnosis
558.3	Gastroenteritis and colitis, allergic	ICD-9-CM	Diagnosis
691	Atopic dermatitis and related conditions	ICD-9-CM	Diagnosis
691.0	Diaper or napkin rash	ICD-9-CM	Diagnosis
691.8	Other atopic dermatitis and related conditions	ICD-9-CM	Diagnosis
692	Contact dermatitis and other eczema	ICD-9-CM	Diagnosis
692.0	Contact dermatitis and other eczema due to detergents	ICD-9-CM	Diagnosis
692.1	Contact dermatitis and other eczema due to oils and greases	ICD-9-CM	Diagnosis
692.2	Contact dermatitis and other eczema due to solvents	ICD-9-CM	Diagnosis
692.3	Contact dermatitis and other eczema due to drugs and medicines in contact with skin	ICD-9-CM	Diagnosis
692.4	Contact dermatitis and other eczema due to other chemical products	ICD-9-CM	Diagnosis
692.5	Contact dermatitis and other eczema due to food in contact with skin	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
692.6	Contact dermatitis and other eczema due to plants (except food)	ICD-9-CM	Diagnosis
692.7	Contact dermatitis and other eczema due to solar radiation	ICD-9-CM	Diagnosis
692.70	Unspecified dermatitis due to sun	ICD-9-CM	Diagnosis
692.71	Contact dermatitis and other eczema due to sunburn	ICD-9-CM	Diagnosis
692.72	Acute dermatitis due to solar radiation	ICD-9-CM	Diagnosis
692.73	Actinic reticuloid and actinic granuloma	ICD-9-CM	Diagnosis
692.74	Other chronic dermatitis due to solar radiation	ICD-9-CM	Diagnosis
692.75	Disseminated superficial actinic porokeratosis (DSAP)	ICD-9-CM	Diagnosis
692.76	Sunburn of second degree	ICD-9-CM	Diagnosis
692.77	Sunburn of third degree	ICD-9-CM	Diagnosis
692.79	Other dermatitis due to solar radiation	ICD-9-CM	Diagnosis
692.8	Contact dermatitis and other eczema due to other specified agents	ICD-9-CM	Diagnosis
692.81	Dermatitis due to cosmetics	ICD-9-CM	Diagnosis
692.82	Dermatitis due to other radiation	ICD-9-CM	Diagnosis
692.83	Dermatitis due to metals	ICD-9-CM	Diagnosis
692.84	Contact dermatitis and other eczema due to animal (cat) (dog) dander	ICD-9-CM	Diagnosis
692.89	Contact dermatitis and other eczema due to other specified agent	ICD-9-CM	Diagnosis
692.9	Contact dermatitis and other eczema, due to unspecified cause	ICD-9-CM	Diagnosis
693	Dermatitis due to substances taken internally	ICD-9-CM	Diagnosis
693.0	Dermatitis due to drugs and medicines taken internally	ICD-9-CM	Diagnosis
693.1	Dermatitis due to food taken internally	ICD-9-CM	Diagnosis
693.8	Dermatitis due to other specified substances taken internally	ICD-9-CM	Diagnosis
693.9	Dermatitis due to unspecified substance taken internally	ICD-9-CM	Diagnosis
708.0	Allergic urticaria	ICD-9-CM	Diagnosis
708.1	Idiopathic urticaria	ICD-9-CM	Diagnosis
708.2	Urticaria due to cold and heat	ICD-9-CM	Diagnosis
708.3	Dermatographic urticaria	ICD-9-CM	Diagnosis
708.4	Vibratory urticaria	ICD-9-CM	Diagnosis
708.5	Cholinergic urticaria	ICD-9-CM	Diagnosis
708.8	Other specified urticaria	ICD-9-CM	Diagnosis
708.9	Unspecified urticaria	ICD-9-CM	Diagnosis
995.0	Other anaphylactic reaction	ICD-9-CM	Diagnosis
995.27	Other drug allergy	ICD-9-CM	Diagnosis
995.3	Allergy, unspecified not elsewhere classified	ICD-9-CM	Diagnosis
995.6	Anaphylactic reaction due to food	ICD-9-CM	Diagnosis
995.60	Anaphylactic reaction due to unspecified food	ICD-9-CM	Diagnosis
995.61	Anaphylactic reaction due to peanuts	ICD-9-CM	Diagnosis
995.62	Anaphylactic reaction due to crustaceans	ICD-9-CM	Diagnosis
995.63	Anaphylactic reaction due to fruits and vegetables	ICD-9-CM	Diagnosis
995.64	Anaphylactic reaction due to tree nuts and seeds	ICD-9-CM	Diagnosis
995.65	Anaphylactic reaction due to fish	ICD-9-CM	Diagnosis
995.66	Anaphylactic reaction due to food additives	ICD-9-CM	Diagnosis
995.67	Anaphylactic reaction due to milk products	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
995.68	Anaphylactic reaction due to eggs	ICD-9-CM	Diagnosis
995.69	Anaphylactic reaction due to other specified food	ICD-9-CM	Diagnosis
995.7	Other adverse food reactions, not elsewhere classified	ICD-9-CM	Diagnosis
V07.1	Need for desensitization to allergens	ICD-9-CM	Diagnosis
V13.81	Personal history of anaphylaxis	ICD-9-CM	Diagnosis
V14	Personal history of allergy to medicinal agents	ICD-9-CM	Diagnosis
V14.0	Personal history of allergy to penicillin	ICD-9-CM	Diagnosis
V14.1	Personal history of allergy to other antibiotic agent	ICD-9-CM	Diagnosis
V14.2	Personal history of allergy to sulfonamides	ICD-9-CM	Diagnosis
V14.3	Personal history of allergy to other anti-infective agent	ICD-9-CM	Diagnosis
V14.4	Personal history of allergy to anesthetic agent	ICD-9-CM	Diagnosis
V14.5	Personal history of allergy to narcotic agent	ICD-9-CM	Diagnosis
V14.6	Personal history of allergy to analgesic agent	ICD-9-CM	Diagnosis
V14.7	Personal history of allergy to serum or vaccine	ICD-9-CM	Diagnosis
V14.8	Personal history of allergy to other specified medicinal agents	ICD-9-CM	Diagnosis
V14.9	Personal history of allergy to unspecified medicinal agent	ICD-9-CM	Diagnosis
V15.0	Personal history of allergy, other than to medicinal agents, presenting hazards to health	ICD-9-CM	Diagnosis
V72.7	Diagnostic skin and sensitization tests	ICD-9-CM	Diagnosis
B44.81	Allergic bronchopulmonary aspergillosis	ICD-10-CM	Diagnosis
J30.0	Vasomotor rhinitis	ICD-10-CM	Diagnosis
J30.1	Allergic rhinitis due to pollen	ICD-10-CM	Diagnosis
J30.2	Other seasonal allergic rhinitis	ICD-10-CM	Diagnosis
J30.5	Allergic rhinitis due to food	ICD-10-CM	Diagnosis
J30.81	Allergic rhinitis due to animal (cat) (dog) hair and dander	ICD-10-CM	Diagnosis
J30.89	Other allergic rhinitis	ICD-10-CM	Diagnosis
J30.9	Allergic rhinitis, unspecified	ICD-10-CM	Diagnosis
K52.21	Food protein-induced enterocolitis syndrome	ICD-10-CM	Diagnosis
K52.22	Food protein-induced enteropathy	ICD-10-CM	Diagnosis
K52.29	Other allergic and dietetic gastroenteritis and colitis	ICD-10-CM	Diagnosis
L20.0	Besnier's prurigo	ICD-10-CM	Diagnosis
L20.81	Atopic neurodermatitis	ICD-10-CM	Diagnosis
L20.82	Flexural eczema	ICD-10-CM	Diagnosis
L20.84	Intrinsic (allergic) eczema	ICD-10-CM	Diagnosis
L20.89	Other atopic dermatitis	ICD-10-CM	Diagnosis
L20.9	Atopic dermatitis, unspecified	ICD-10-CM	Diagnosis
L22	Diaper dermatitis	ICD-10-CM	Diagnosis
L23.0	Allergic contact dermatitis due to metals	ICD-10-CM	Diagnosis
L23.1	Allergic contact dermatitis due to adhesives	ICD-10-CM	Diagnosis
L23.2	Allergic contact dermatitis due to cosmetics	ICD-10-CM	Diagnosis
L23.3	Allergic contact dermatitis due to drugs in contact with skin	ICD-10-CM	Diagnosis
L23.4	Allergic contact dermatitis due to dyes	ICD-10-CM	Diagnosis
L23.5	Allergic contact dermatitis due to other chemical products	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
L23.6	Allergic contact dermatitis due to food in contact with the skin	ICD-10-CM	Diagnosis
L23.7	Allergic contact dermatitis due to plants, except food	ICD-10-CM	Diagnosis
L23.81	Allergic contact dermatitis due to animal (cat) (dog) dander	ICD-10-CM	Diagnosis
L23.89	Allergic contact dermatitis due to other agents	ICD-10-CM	Diagnosis
L23.9	Allergic contact dermatitis, unspecified cause	ICD-10-CM	Diagnosis
L24.0	Irritant contact dermatitis due to detergents	ICD-10-CM	Diagnosis
L24.1	Irritant contact dermatitis due to oils and greases	ICD-10-CM	Diagnosis
L24.2	Irritant contact dermatitis due to solvents	ICD-10-CM	Diagnosis
L24.3	Irritant contact dermatitis due to cosmetics	ICD-10-CM	Diagnosis
L24.4	Irritant contact dermatitis due to drugs in contact with skin	ICD-10-CM	Diagnosis
L24.5	Irritant contact dermatitis due to other chemical products	ICD-10-CM	Diagnosis
L24.6	Irritant contact dermatitis due to food in contact with skin	ICD-10-CM	Diagnosis
L24.7	Irritant contact dermatitis due to plants, except food	ICD-10-CM	Diagnosis
L24.81	Irritant contact dermatitis due to metals	ICD-10-CM	Diagnosis
L24.89	Irritant contact dermatitis due to other agents	ICD-10-CM	Diagnosis
L24.9	Irritant contact dermatitis, unspecified cause	ICD-10-CM	Diagnosis
L25.0	Unspecified contact dermatitis due to cosmetics	ICD-10-CM	Diagnosis
L25.1	Unspecified contact dermatitis due to drugs in contact with skin	ICD-10-CM	Diagnosis
L25.2	Unspecified contact dermatitis due to dyes	ICD-10-CM	Diagnosis
L25.3	Unspecified contact dermatitis due to other chemical products	ICD-10-CM	Diagnosis
L25.4	Unspecified contact dermatitis due to food in contact with skin	ICD-10-CM	Diagnosis
L25.5	Unspecified contact dermatitis due to plants, except food	ICD-10-CM	Diagnosis
L25.8	Unspecified contact dermatitis due to other agents	ICD-10-CM	Diagnosis
L25.9	Unspecified contact dermatitis, unspecified cause	ICD-10-CM	Diagnosis
L27.0	Generalized skin eruption due to drugs and medicaments taken internally	ICD-10-CM	Diagnosis
L27.1	Localized skin eruption due to drugs and medicaments taken internally	ICD-10-CM	Diagnosis
L27.2	Dermatitis due to ingested food	ICD-10-CM	Diagnosis
L27.8	Dermatitis due to other substances taken internally	ICD-10-CM	Diagnosis
L27.9	Dermatitis due to unspecified substance taken internally	ICD-10-CM	Diagnosis
L30.0	Nummular dermatitis	ICD-10-CM	Diagnosis
L30.2	Cutaneous autosensitization	ICD-10-CM	Diagnosis
L30.8	Other specified dermatitis	ICD-10-CM	Diagnosis
L30.9	Dermatitis, unspecified	ICD-10-CM	Diagnosis
L50.0	Allergic urticaria	ICD-10-CM	Diagnosis
L50.1	Idiopathic urticaria	ICD-10-CM	Diagnosis
L50.2	Urticaria due to cold and heat	ICD-10-CM	Diagnosis
L50.3	Dermatographic urticaria	ICD-10-CM	Diagnosis
L50.4	Vibratory urticaria	ICD-10-CM	Diagnosis
L50.5	Cholinergic urticaria	ICD-10-CM	Diagnosis
L50.6	Contact urticaria	ICD-10-CM	Diagnosis
L50.8	Other urticaria	ICD-10-CM	Diagnosis
L50.9	Urticaria, unspecified	ICD-10-CM	Diagnosis
L55.0	Sunburn of first degree	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
L55.1	Sunburn of second degree	ICD-10-CM	Diagnosis
L55.2	Sunburn of third degree	ICD-10-CM	Diagnosis
L55.9	Sunburn, unspecified	ICD-10-CM	Diagnosis
L56.0	Drug phototoxic response	ICD-10-CM	Diagnosis
L56.1	Drug photoallergic response	ICD-10-CM	Diagnosis
L56.2	Photocontact dermatitis [berloque dermatitis]	ICD-10-CM	Diagnosis
L56.3	Solar urticaria	ICD-10-CM	Diagnosis
L56.4	Polymorphous light eruption	ICD-10-CM	Diagnosis
L56.5	Disseminated superficial actinic porokeratosis (DSAP)	ICD-10-CM	Diagnosis
L56.8	Other specified acute skin changes due to ultraviolet radiation	ICD-10-CM	Diagnosis
L56.9	Acute skin change due to ultraviolet radiation, unspecified	ICD-10-CM	Diagnosis
L57.1	Actinic reticuloid	ICD-10-CM	Diagnosis
L57.5	Actinic granuloma	ICD-10-CM	Diagnosis
L57.8	Other skin changes due to chronic exposure to nonionizing radiation	ICD-10-CM	Diagnosis
L57.9	Skin changes due to chronic exposure to nonionizing radiation, unspecified	ICD-10-CM	Diagnosis
L58.0	Acute radiodermatitis	ICD-10-CM	Diagnosis
L58.1	Chronic radiodermatitis	ICD-10-CM	Diagnosis
L58.9	Radiodermatitis, unspecified	ICD-10-CM	Diagnosis
L59.0	Erythema ab igne [dermatitis ab igne]	ICD-10-CM	Diagnosis
L59.8	Other specified disorders of the skin and subcutaneous tissue related to radiation	ICD-10-CM	Diagnosis
L59.9	Disorder of the skin and subcutaneous tissue related to radiation, unspecified	ICD-10-CM	Diagnosis
T50.995A	Adverse effect of other drugs, medicaments and biological substances, initial encounter	ICD-10-CM	Diagnosis
T78.00XA	Anaphylactic reaction due to unspecified food, initial encounter	ICD-10-CM	Diagnosis
T78.01XA	Anaphylactic reaction due to peanuts, initial encounter	ICD-10-CM	Diagnosis
T78.02XA	Anaphylactic reaction due to shellfish (crustaceans), initial encounter	ICD-10-CM	Diagnosis
T78.03XA	Anaphylactic reaction due to other fish, initial encounter	ICD-10-CM	Diagnosis
T78.04XA	Anaphylactic reaction due to fruits and vegetables, initial encounter	ICD-10-CM	Diagnosis
T78.05XA	Anaphylactic reaction due to tree nuts and seeds, initial encounter	ICD-10-CM	Diagnosis
T78.06XA	Anaphylactic reaction due to food additives, initial encounter	ICD-10-CM	Diagnosis
T78.07XA	Anaphylactic reaction due to milk and dairy products, initial encounter	ICD-10-CM	Diagnosis
T78.08XA	Anaphylactic reaction due to eggs, initial encounter	ICD-10-CM	Diagnosis
T78.09XA	Anaphylactic reaction due to other food products, initial encounter	ICD-10-CM	Diagnosis
T78.1XXA	Other adverse food reactions, not elsewhere classified, initial encounter	ICD-10-CM	Diagnosis
T78.2XXA	Anaphylactic shock, unspecified, initial encounter	ICD-10-CM	Diagnosis
T78.40XA	Allergy, unspecified, initial encounter	ICD-10-CM	Diagnosis
T78.49XA	Other allergy, initial encounter	ICD-10-CM	Diagnosis
T88.6XXA	Anaphylactic reaction due to adverse effect of correct drug or medicament properly administered, initial encounter	ICD-10-CM	Diagnosis
Z01.82	Encounter for allergy testing	ICD-10-CM	Diagnosis
Z01.89	Encounter for other specified special examinations	ICD-10-CM	Diagnosis
Z51.6	Encounter for desensitization to allergens	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
Z87.892	Personal history of anaphylaxis	ICD-10-CM	Diagnosis
Z88.0	Allergy status to penicillin	ICD-10-CM	Diagnosis
Z88.1	Allergy status to other antibiotic agents status	ICD-10-CM	Diagnosis
Z88.2	Allergy status to sulfonamides status	ICD-10-CM	Diagnosis
Z88.3	Allergy status to other anti-infective agents status	ICD-10-CM	Diagnosis
Z88.4	Allergy status to anesthetic agent status	ICD-10-CM	Diagnosis
Z88.5	Allergy status to narcotic agent status	ICD-10-CM	Diagnosis
Z88.6	Allergy status to analgesic agent status	ICD-10-CM	Diagnosis
Z88.7	Allergy status to serum and vaccine status	ICD-10-CM	Diagnosis
Z88.8	Allergy status to other drugs, medicaments and biological substances status	ICD-10-CM	Diagnosis
Z88.9	Allergy status to unspecified drugs, medicaments and biological substances status	ICD-10-CM	Diagnosis
Chronic Heart Failure			
402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
425	Cardiomyopathy	ICD-9-CM	Diagnosis
425.0	Endomyocardial fibrosis	ICD-9-CM	Diagnosis
425.1	Hypertrophic cardiomyopathy	ICD-9-CM	Diagnosis
425.11	Hypertrophic obstructive cardiomyopathy	ICD-9-CM	Diagnosis
425.18	Other hypertrophic cardiomyopathy	ICD-9-CM	Diagnosis
425.2	Obscure cardiomyopathy of Africa	ICD-9-CM	Diagnosis
425.3	Endocardial fibroelastosis	ICD-9-CM	Diagnosis
425.4	Other primary cardiomyopathies	ICD-9-CM	Diagnosis
425.5	Alcoholic cardiomyopathy	ICD-9-CM	Diagnosis
425.7	Nutritional and metabolic cardiomyopathy	ICD-9-CM	Diagnosis
425.8	Cardiomyopathy in other diseases classified elsewhere	ICD-9-CM	Diagnosis
425.9	Unspecified secondary cardiomyopathy	ICD-9-CM	Diagnosis
428	Heart failure	ICD-9-CM	Diagnosis
428.0	Congestive heart failure, unspecified	ICD-9-CM	Diagnosis
428.1	Left heart failure	ICD-9-CM	Diagnosis
428.2	Systolic heart failure	ICD-9-CM	Diagnosis
428.20	Unspecified systolic heart failure	ICD-9-CM	Diagnosis
428.21	Acute systolic heart failure	ICD-9-CM	Diagnosis
428.22	Chronic systolic heart failure	ICD-9-CM	Diagnosis
428.23	Acute on chronic systolic heart failure	ICD-9-CM	Diagnosis
428.3	Diastolic heart failure	ICD-9-CM	Diagnosis
428.30	Unspecified diastolic heart failure	ICD-9-CM	Diagnosis
428.31	Acute diastolic heart failure	ICD-9-CM	Diagnosis
428.32	Chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.33	Acute on chronic diastolic heart failure	ICD-9-CM	Diagnosis
428.4	Combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.40	Unspecified combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
428.41	Acute combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.42	Chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.43	Acute on chronic combined systolic and diastolic heart failure	ICD-9-CM	Diagnosis
428.9	Unspecified heart failure	ICD-9-CM	Diagnosis
429.3	Cardiomegaly	ICD-9-CM	Diagnosis
A18.84	Tuberculosis of heart	ICD-10-CM	Diagnosis
I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
I42.0	Dilated cardiomyopathy	ICD-10-CM	Diagnosis
I42.1	Obstructive hypertrophic cardiomyopathy	ICD-10-CM	Diagnosis
I42.2	Other hypertrophic cardiomyopathy	ICD-10-CM	Diagnosis
I42.3	Endomyocardial (eosinophilic) disease	ICD-10-CM	Diagnosis
I42.4	Endocardial fibroelastosis	ICD-10-CM	Diagnosis
I42.5	Other restrictive cardiomyopathy	ICD-10-CM	Diagnosis
I42.6	Alcoholic cardiomyopathy	ICD-10-CM	Diagnosis
I42.7	Cardiomyopathy due to drug and external agent	ICD-10-CM	Diagnosis
I42.8	Other cardiomyopathies	ICD-10-CM	Diagnosis
I42.9	Cardiomyopathy, unspecified	ICD-10-CM	Diagnosis
I43	Cardiomyopathy in diseases classified elsewhere	ICD-10-CM	Diagnosis
I50.1	Left ventricular failure	ICD-10-CM	Diagnosis
I50.20	Unspecified systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.21	Acute systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.22	Chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.23	Acute on chronic systolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.30	Unspecified diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.31	Acute diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.32	Chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.33	Acute on chronic diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	ICD-10-CM	Diagnosis
I50.9	Heart failure, unspecified	ICD-10-CM	Diagnosis
I51.7	Cardiomegaly	ICD-10-CM	Diagnosis
Coronary Artery Bypass Surgery			
335.10	Unspecified spinal muscular atrophy	ICD-9-CM	Diagnosis
335.11	Kugelberg-Welander disease	ICD-9-CM	Diagnosis
335.19	Other spinal muscular atrophy	ICD-9-CM	Diagnosis
335.20	Amyotrophic lateral sclerosis	ICD-9-CM	Diagnosis
335.21	Progressive muscular atrophy	ICD-9-CM	Diagnosis
335.22	Progressive bulbar palsy	ICD-9-CM	Diagnosis
335.23	Pseudobulbar palsy	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
361	Retinal detachments and defects	ICD-9-CM	Diagnosis
361.0	Retinal detachment with retinal defect	ICD-9-CM	Diagnosis
361.1	Retinoschisis and retinal cysts	ICD-9-CM	Diagnosis
361.2	Serous retinal detachment	ICD-9-CM	Diagnosis
361.3	Retinal defects without detachment	ICD-9-CM	Diagnosis
361.8	Other forms of retinal detachment	ICD-9-CM	Diagnosis
361.9	Unspecified retinal detachment	ICD-9-CM	Diagnosis
362	Other retinal disorders	ICD-9-CM	Diagnosis
362.0	Diabetic retinopathy	ICD-9-CM	Diagnosis
362.1	Other background retinopathy and retinal vascular changes	ICD-9-CM	Diagnosis
362.2	Other proliferative retinopathy	ICD-9-CM	Diagnosis
362.3	Retinal vascular occlusion	ICD-9-CM	Diagnosis
362.4	Separation of retinal layers	ICD-9-CM	Diagnosis
362.5	Degeneration of macula and posterior pole of retina	ICD-9-CM	Diagnosis
362.6	Peripheral retinal degenerations	ICD-9-CM	Diagnosis
362.7	Hereditary retinal dystrophies	ICD-9-CM	Diagnosis
362.8	Other retinal disorders	ICD-9-CM	Diagnosis
362.9	Unspecified retinal disorder	ICD-9-CM	Diagnosis
996.03	Mechanical complication due to coronary bypass graft	ICD-9-CM	Diagnosis
V45.81	Postprocedural aortocoronary bypass status	ICD-9-CM	Diagnosis
G12.1	Other inherited spinal muscular atrophy	ICD-10-CM	Diagnosis
G12.21	Amyotrophic lateral sclerosis	ICD-10-CM	Diagnosis
G12.22	Progressive bulbar palsy	ICD-10-CM	Diagnosis
G12.8	Other spinal muscular atrophies and related syndromes	ICD-10-CM	Diagnosis
G12.9	Spinal muscular atrophy, unspecified	ICD-10-CM	Diagnosis
H33.20	Serous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
H33.21	Serous retinal detachment, right eye	ICD-10-CM	Diagnosis
H33.22	Serous retinal detachment, left eye	ICD-10-CM	Diagnosis
H33.23	Serous retinal detachment, bilateral	ICD-10-CM	Diagnosis
H35.9	Unspecified retinal disorder	ICD-10-CM	Diagnosis
T82.211A	Breakdown (mechanical) of coronary artery bypass graft, initial encounter	ICD-10-CM	Diagnosis
T82.212A	Displacement of coronary artery bypass graft, initial encounter	ICD-10-CM	Diagnosis
T82.213A	Leakage of coronary artery bypass graft, initial encounter	ICD-10-CM	Diagnosis
T82.218A	Other mechanical complication of coronary artery bypass graft, initial encounter	ICD-10-CM	Diagnosis
Z95.1	Presence of aortocoronary bypass graft	ICD-10-CM	Diagnosis
Diabetes Mellitus			
250	Diabetes mellitus	ICD-9-CM	Diagnosis
250.0	Diabetes mellitus without mention of complication	ICD-9-CM	Diagnosis
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.1	Diabetes with ketoacidosis	ICD-9-CM	Diagnosis
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.2	Diabetes with hyperosmolarity	ICD-9-CM	Diagnosis
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.3	Diabetes with other coma	ICD-9-CM	Diagnosis
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.4	Diabetes with renal manifestations	ICD-9-CM	Diagnosis
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.5	Diabetes with ophthalmic manifestations	ICD-9-CM	Diagnosis
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.6	Diabetes with neurological manifestations	ICD-9-CM	Diagnosis
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.7	Diabetes with peripheral circulatory disorders	ICD-9-CM	Diagnosis
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.8	Diabetes with other specified manifestations	ICD-9-CM	Diagnosis
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
250.9	Diabetes with unspecified complication	ICD-9-CM	Diagnosis
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	ICD-9-CM	Diagnosis
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	ICD-9-CM	Diagnosis
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	ICD-9-CM	Diagnosis
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	ICD-9-CM	Diagnosis
357.2	Polyneuropathy in diabetes	ICD-9-CM	Diagnosis
362.0	Diabetic retinopathy	ICD-9-CM	Diagnosis
362.01	Background diabetic retinopathy	ICD-9-CM	Diagnosis
362.02	Proliferative diabetic retinopathy	ICD-9-CM	Diagnosis
362.03	Nonproliferative diabetic retinopathy NOS	ICD-9-CM	Diagnosis
362.04	Mild nonproliferative diabetic retinopathy	ICD-9-CM	Diagnosis
362.05	Moderate nonproliferative diabetic retinopathy	ICD-9-CM	Diagnosis
362.06	Severe nonproliferative diabetic retinopathy	ICD-9-CM	Diagnosis
362.07	Diabetic macular edema	ICD-9-CM	Diagnosis
366.41	Diabetic cataract	ICD-9-CM	Diagnosis
E08.311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E08.319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E08.3211	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3212	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3213	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3219	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3291	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3292	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3293	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3299	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3311	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3312	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3313	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3319	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3391	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3392	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3393	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3399	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3411	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3412	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3413	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3419	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3491	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E08.3492	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3493	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3499	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3511	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E08.3512	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E08.3513	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3519	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.3521	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E08.3522	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E08.3523	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E08.3529	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E08.3531	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E08.3532	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E08.3533	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E08.3539	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E08.3541	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E08.3542	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E08.3543	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E08.3549	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E08.3551	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E08.3552	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E08.3553	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E08.3559	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E08.3591	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E08.3592	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E08.3593	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E08.3599	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E08.36	Diabetes mellitus due to underlying condition with diabetic cataract	ICD-10-CM	Diagnosis
E08.40	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E08.42	Diabetes mellitus due to underlying condition with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E09.311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E09.319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E09.3211	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3212	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3213	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3219	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3291	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3292	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3293	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3299	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E09.3311	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3312	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3313	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3319	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3391	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3392	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3393	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3399	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3411	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3412	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3413	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3419	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3491	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3492	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3493	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3499	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3511	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E09.3512	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E09.3513	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E09.3519	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.3521	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E09.3522	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E09.3523	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E09.3529	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E09.3531	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E09.3532	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E09.3533	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E09.3539	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E09.3541	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E09.3542	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E09.3543	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E09.3549	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E09.3551	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E09.3552	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E09.3553	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E09.3559	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E09.3591	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E09.3592	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E09.3593	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E09.3599	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E09.36	Drug or chemical induced diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E09.40	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E09.42	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E10.3512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E10.3513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.3521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E10.3522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E10.3523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E10.3529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E10.3531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E10.3532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E10.3533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E10.3539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E10.3541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E10.3542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E10.3543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E10.3549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E10.3551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E10.3552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E10.3553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E10.3559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E10.3591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E10.3592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E10.3593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E10.3599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E10.36	Type 1 diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E10.37X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E10.37X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E10.37X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E10.37X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E10.59	Type 1 diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E10.620	Type 1 diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E10.621	Type 1 diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E10.622	Type 1 diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E10.628	Type 1 diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E10.630	Type 1 diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E10.638	Type 1 diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E10.641	Type 1 diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E10.649	Type 1 diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E10.65	Type 1 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E10.69	Type 1 diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E10.8	Type 1 diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E10.9	Type 1 diabetes mellitus without complications	ICD-10-CM	Diagnosis
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E11.36	Type 2 diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E11.59	Type 2 diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E11.621	Type 2 diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E11.622	Type 2 diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E11.628	Type 2 diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E11.630	Type 2 diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E11.638	Type 2 diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis
E11.65	Type 2 diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E11.69	Type 2 diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E11.8	Type 2 diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E11.9	Type 2 diabetes mellitus without complications	ICD-10-CM	Diagnosis
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	ICD-10-CM	Diagnosis
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	ICD-10-CM	Diagnosis
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	ICD-10-CM	Diagnosis
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	ICD-10-CM	Diagnosis
E13.21	Other specified diabetes mellitus with diabetic nephropathy	ICD-10-CM	Diagnosis
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	ICD-10-CM	Diagnosis
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	ICD-10-CM	Diagnosis
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	ICD-10-CM	Diagnosis
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	ICD-10-CM	Diagnosis
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	ICD-10-CM	Diagnosis
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	ICD-10-CM	Diagnosis
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	ICD-10-CM	Diagnosis
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	ICD-10-CM	Diagnosis
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	ICD-10-CM	Diagnosis
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	ICD-10-CM	Diagnosis
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	ICD-10-CM	Diagnosis
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	ICD-10-CM	Diagnosis
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	ICD-10-CM	Diagnosis
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	ICD-10-CM	Diagnosis
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	ICD-10-CM	Diagnosis
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	ICD-10-CM	Diagnosis
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	ICD-10-CM	Diagnosis
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	ICD-10-CM	Diagnosis
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	ICD-10-CM	Diagnosis
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	ICD-10-CM	Diagnosis
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	ICD-10-CM	Diagnosis
E13.36	Other specified diabetes mellitus with diabetic cataract	ICD-10-CM	Diagnosis
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	ICD-10-CM	Diagnosis
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	ICD-10-CM	Diagnosis
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	ICD-10-CM	Diagnosis
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	ICD-10-CM	Diagnosis
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	ICD-10-CM	Diagnosis
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	ICD-10-CM	Diagnosis
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	ICD-10-CM	Diagnosis
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	ICD-10-CM	Diagnosis
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	ICD-10-CM	Diagnosis
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	ICD-10-CM	Diagnosis
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	ICD-10-CM	Diagnosis
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E13.59	Other specified diabetes mellitus with other circulatory complications	ICD-10-CM	Diagnosis
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	ICD-10-CM	Diagnosis
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	ICD-10-CM	Diagnosis
E13.620	Other specified diabetes mellitus with diabetic dermatitis	ICD-10-CM	Diagnosis
E13.621	Other specified diabetes mellitus with foot ulcer	ICD-10-CM	Diagnosis
E13.622	Other specified diabetes mellitus with other skin ulcer	ICD-10-CM	Diagnosis
E13.628	Other specified diabetes mellitus with other skin complications	ICD-10-CM	Diagnosis
E13.630	Other specified diabetes mellitus with periodontal disease	ICD-10-CM	Diagnosis
E13.638	Other specified diabetes mellitus with other oral complications	ICD-10-CM	Diagnosis
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	ICD-10-CM	Diagnosis
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E13.65	Other specified diabetes mellitus with hyperglycemia	ICD-10-CM	Diagnosis
E13.69	Other specified diabetes mellitus with other specified complication	ICD-10-CM	Diagnosis
E13.8	Other specified diabetes mellitus with unspecified complications	ICD-10-CM	Diagnosis
E13.9	Other specified diabetes mellitus without complications	ICD-10-CM	Diagnosis
Hospitalized Intracranial Bleed			
430	Subarachnoid hemorrhage	ICD-9-CM	Diagnosis
431	Intracerebral hemorrhage	ICD-9-CM	Diagnosis
432	Other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
432.0	Nontraumatic extradural hemorrhage	ICD-9-CM	Diagnosis
432.1	Subdural hemorrhage	ICD-9-CM	Diagnosis
432.9	Unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
852.0	Subarachnoid hemorrhage following injury without mention of open intracranial wound	ICD-9-CM	Diagnosis
852.00	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.01	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.02	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.03	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.04	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.05	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.06	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.09	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.2	Subdural hemorrhage following injury without mention of open intracranial wound	ICD-9-CM	Diagnosis
852.20	Subdural hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.21	Subdural hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.22	Subdural hemorrhage following injury, without mention of open intracranial wound, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
852.23	Subdural hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
852.24	Subdural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.25	Subdural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.26	Subdural hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.29	Subdural hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.4	Extradural hemorrhage following injury without mention of open intracranial wound	ICD-9-CM	Diagnosis
852.40	Extradural hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.41	Extradural hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.42	Extradural hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.43	Extradural hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.44	Extradural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.45	Extradural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.46	Extradural hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.49	Extradural hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
853.0	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound	ICD-9-CM	Diagnosis
853.00	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
853.01	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
853.02	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
853.03	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
853.04	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level	ICD-9-CM	Diagnosis
853.05	Other and unspecified intracranial hemorrhage following injury. Without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
853.06	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
853.09	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
I60.00	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	ICD-10-CM	Diagnosis
I60.01	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	ICD-10-CM	Diagnosis
I60.02	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	ICD-10-CM	Diagnosis
I60.10	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery	ICD-10-CM	Diagnosis
I60.11	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	ICD-10-CM	Diagnosis
I60.12	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	ICD-10-CM	Diagnosis
I60.2	Nontraumatic subarachnoid hemorrhage from anterior communicating artery	ICD-10-CM	Diagnosis
I60.30	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery	ICD-10-CM	Diagnosis
I60.31	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery	ICD-10-CM	Diagnosis
I60.32	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery	ICD-10-CM	Diagnosis
I60.4	Nontraumatic subarachnoid hemorrhage from basilar artery	ICD-10-CM	Diagnosis
I60.50	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	ICD-10-CM	Diagnosis
I60.51	Nontraumatic subarachnoid hemorrhage from right vertebral artery	ICD-10-CM	Diagnosis
I60.52	Nontraumatic subarachnoid hemorrhage from left vertebral artery	ICD-10-CM	Diagnosis
I60.6	Nontraumatic subarachnoid hemorrhage from other intracranial arteries	ICD-10-CM	Diagnosis
I60.7	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery	ICD-10-CM	Diagnosis
I60.8	Other nontraumatic subarachnoid hemorrhage	ICD-10-CM	Diagnosis
I60.9	Nontraumatic subarachnoid hemorrhage, unspecified	ICD-10-CM	Diagnosis
I61.0	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	ICD-10-CM	Diagnosis
I61.1	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	ICD-10-CM	Diagnosis
I61.2	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	ICD-10-CM	Diagnosis
I61.3	Nontraumatic intracerebral hemorrhage in brain stem	ICD-10-CM	Diagnosis
I61.4	Nontraumatic intracerebral hemorrhage in cerebellum	ICD-10-CM	Diagnosis
I61.5	Nontraumatic intracerebral hemorrhage, intraventricular	ICD-10-CM	Diagnosis
I61.6	Nontraumatic intracerebral hemorrhage, multiple localized	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
I61.8	Other nontraumatic intracerebral hemorrhage	ICD-10-CM	Diagnosis
I61.9	Nontraumatic intracerebral hemorrhage, unspecified	ICD-10-CM	Diagnosis
I62.00	Nontraumatic subdural hemorrhage, unspecified	ICD-10-CM	Diagnosis
I62.01	Nontraumatic acute subdural hemorrhage	ICD-10-CM	Diagnosis
I62.02	Nontraumatic subacute subdural hemorrhage	ICD-10-CM	Diagnosis
I62.03	Nontraumatic chronic subdural hemorrhage	ICD-10-CM	Diagnosis
I62.1	Nontraumatic extradural hemorrhage	ICD-10-CM	Diagnosis
I62.9	Nontraumatic intracranial hemorrhage, unspecified	ICD-10-CM	Diagnosis
S06.340A	Traumatic hemorrhage of right cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.341A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.342A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.343A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.344A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.345A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.346A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.347A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.348A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.349A	Traumatic hemorrhage of right cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.350A	Traumatic hemorrhage of left cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.351A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.352A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.353A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.354A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.355A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.356A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.357A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.358A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.359A	Traumatic hemorrhage of left cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.360A	Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.361A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.362A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.363A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.364A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.365A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.369A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.4X0A	Epidural hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X1A	Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.4X2A	Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.4X3A	Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis

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

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

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

Code	Description	Code Type	Code Category
S06.6X5A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.6X7A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X8A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X9A	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
Hyperlipidemia			
272.0	Pure hypercholesterolemia	ICD-9-CM	Diagnosis
272.1	Pure hyperglyceridemia	ICD-9-CM	Diagnosis
272.2	Mixed hyperlipidemia	ICD-9-CM	Diagnosis
272.3	Hyperchylomicronemia	ICD-9-CM	Diagnosis
E78.00	Pure hypercholesterolemia, unspecified	ICD-10-CM	Diagnosis
E78.01	Familial hypercholesterolemia	ICD-10-CM	Diagnosis
E78.1	Pure hyperglyceridemia	ICD-10-CM	Diagnosis
E78.2	Mixed hyperlipidemia	ICD-10-CM	Diagnosis
E78.3	Hyperchylomicronemia	ICD-10-CM	Diagnosis
Hypertension			
401	Essential hypertension	ICD-9-CM	Diagnosis
401.0	Essential hypertension, malignant	ICD-9-CM	Diagnosis
401.1	Essential hypertension, benign	ICD-9-CM	Diagnosis
401.9	Unspecified essential hypertension	ICD-9-CM	Diagnosis
402	Hypertensive heart disease	ICD-9-CM	Diagnosis
402.0	Malignant hypertensive heart disease	ICD-9-CM	Diagnosis
402.00	Malignant hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.1	Benign hypertensive heart disease	ICD-9-CM	Diagnosis
402.10	Benign hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
402.9	Unspecified hypertensive heart disease	ICD-9-CM	Diagnosis
402.90	Unspecified hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
403	Hypertensive chronic kidney disease	ICD-9-CM	Diagnosis
403.0	Hypertensive chronic kidney disease, malignant	ICD-9-CM	Diagnosis
403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
403.1	Hypertensive chronic kidney disease, benign	ICD-9-CM	Diagnosis
403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
403.9	Hypertensive chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404	Hypertensive heart and chronic kidney disease	ICD-9-CM	Diagnosis
404.0	Hypertensive heart and chronic kidney disease, malignant	ICD-9-CM	Diagnosis
404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.1	Hypertensive heart and chronic kidney disease, benign	ICD-9-CM	Diagnosis
404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.9	Hypertensive heart and chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
405	Secondary hypertension	ICD-9-CM	Diagnosis
405.0	Secondary hypertension, malignant	ICD-9-CM	Diagnosis
405.01	Secondary renovascular hypertension, malignant	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
405.09	Other secondary hypertension, malignant	ICD-9-CM	Diagnosis
405.1	Secondary hypertension, benign	ICD-9-CM	Diagnosis
405.11	Secondary renovascular hypertension, benign	ICD-9-CM	Diagnosis
405.19	Other secondary hypertension, benign	ICD-9-CM	Diagnosis
405.9	Unspecified secondary hypertension, unspecified	ICD-9-CM	Diagnosis
405.91	Secondary renovascular hypertension, unspecified	ICD-9-CM	Diagnosis
405.99	Other secondary hypertension, unspecified	ICD-9-CM	Diagnosis
I10	Essential (primary) hypertension	ICD-10-CM	Diagnosis
I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
I11.9	Hypertensive heart disease without heart failure	ICD-10-CM	Diagnosis
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	ICD-10-CM	Diagnosis
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
I15.0	Renovascular hypertension	ICD-10-CM	Diagnosis
I15.1	Hypertension secondary to other renal disorders	ICD-10-CM	Diagnosis
I15.2	Hypertension secondary to endocrine disorders	ICD-10-CM	Diagnosis
I15.8	Other secondary hypertension	ICD-10-CM	Diagnosis
I15.9	Secondary hypertension, unspecified	ICD-10-CM	Diagnosis
I16.0	Hypertensive urgency	ICD-10-CM	Diagnosis
I16.1	Hypertensive emergency	ICD-10-CM	Diagnosis
I16.9	Hypertensive crisis, unspecified	ICD-10-CM	Diagnosis
N26.2	Page kidney	ICD-10-CM	Diagnosis
4050F	Hypertension plan of care documented as appropriate (NMA-No Measure Associated)	CPT-2	Procedure

Major Surgery

V67.0	Surgery follow-up examination	ICD-9-CM	Diagnosis
V67.00	Follow-up examination, following unspecified surgery	ICD-9-CM	Diagnosis
V67.01	Following surgery follow-up vaginal pap smear	ICD-9-CM	Diagnosis
V67.09	Follow-up examination, following other surgery	ICD-9-CM	Diagnosis
Z08	Encounter for follow-up examination after completed treatment for malignant neoplasm	ICD-10-CM	Diagnosis
Z09	Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
20930	Allograft, morselized, or placement of osteopromotive material, for spine surgery only (List separately in addition to code for primary procedure)	CPT-4	Procedure
20931	Allograft, structural, for spine surgery only (List separately in addition to code for primary procedure)	CPT-4	Procedure
20936	Autograft for spine surgery only (includes harvesting the graft); local (eg, ribs, spinous process, or lamina fragments) obtained from same incision (List separately in addition to code for primary procedure)	CPT-4	Procedure
20937	Autograft for spine surgery only (includes harvesting the graft); morselized (through separate skin or fascial incision) (List separately in addition to code for primary procedure)	CPT-4	Procedure
20938	Autograft for spine surgery only (includes harvesting the graft); structural, bicortical or tricortical (through separate skin or fascial incision) (List separately in addition to code for primary procedure)	CPT-4	Procedure
22010	Incision and drainage, open, of deep abscess (subfascial), posterior spine; cervical, thoracic, or cervicothoracic	CPT-4	Procedure
22011	Biopsy, Spinal Soft Tissues;	CPT-4	Procedure
22012	Biopsy, Spinal Soft Tissues, Percutaneous Needle	CPT-4	Procedure
22015	Incision and drainage, open, of deep abscess (subfascial), posterior spine; lumbar, sacral, or lumbosacral	CPT-4	Procedure
22100	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; cervical	CPT-4	Procedure
22101	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; thoracic	CPT-4	Procedure
22102	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; lumbar	CPT-4	Procedure
22103	Partial excision of posterior vertebral component (eg, spinous process, lamina or facet) for intrinsic bony lesion, single vertebral segment; each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22105	PART RESECT VERTEBRAL COMPONENT TUMOR; CERV	CPT-4	Procedure
22106	PART RESECT VERTEBRAL COMPONENT TUMOR; THORACIC	CPT-4	Procedure
22107	PART RESECT VERTEBRAL COMPONENT TUMOR; LUMBAR	CPT-4	Procedure
22110	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; cervical	CPT-4	Procedure
22111	Partial Excision (craterization, Saucerization) Of Vertebrae	CPT-4	Procedure
22112	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; thoracic	CPT-4	Procedure
22113	Partial Excision (craterization, Saucerization) Of Vertebrae	CPT-4	Procedure
22114	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; lumbar	CPT-4	Procedure
22115	Partial Excision (craterization, Saucerization) Of Vertebrae	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
22116	Partial excision of vertebral body, for intrinsic bony lesion, without decompression of spinal cord or nerve root(s), single vertebral segment; each additional vertebral segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22206	Osteotomy of spine, posterior or posterolateral approach, 3 columns, 1 vertebral segment (eg, pedicle/vertebral body subtraction); thoracic	CPT-4	Procedure
22207	Osteotomy of spine, posterior or posterolateral approach, 3 columns, 1 vertebral segment (eg, pedicle/vertebral body subtraction); lumbar	CPT-4	Procedure
22208	Osteotomy of spine, posterior or posterolateral approach, 3 columns, 1 vertebral segment (eg, pedicle/vertebral body subtraction); each additional vertebral segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22210	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; cervical	CPT-4	Procedure
22212	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; thoracic	CPT-4	Procedure
22214	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; lumbar	CPT-4	Procedure
22216	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; each additional vertebral segment (List separately in addition to primary procedure)	CPT-4	Procedure
22220	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; cervical	CPT-4	Procedure
22222	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; thoracic	CPT-4	Procedure
22224	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; lumbar	CPT-4	Procedure
22226	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; each additional vertebral segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22318	Open treatment and/or reduction of odontoid fracture(s) and or dislocation(s) (including os odontoideum), anterior approach, including placement of internal fixation; without grafting	CPT-4	Procedure
22319	Open treatment and/or reduction of odontoid fracture(s) and or dislocation(s) (including os odontoideum), anterior approach, including placement of internal fixation; with grafting	CPT-4	Procedure
22325	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; lumbar	CPT-4	Procedure
22326	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; cervical	CPT-4	Procedure
22327	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; thoracic	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
22328	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; each additional fractured vertebra or dislocated segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22532	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic	CPT-4	Procedure
22533	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); lumbar	CPT-4	Procedure
22534	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic or lumbar, each additional vertebral segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22548	Arthrodesis, anterior transoral or extraoral technique, clivus-C1-C2 (atlas-axis), with or without excision of odontoid process	CPT-4	Procedure
22550	Arthrodesis With Discectomy, Cervical,	CPT-4	Procedure
22551	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; cervical below C2	CPT-4	Procedure
22552	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; cervical below C2, each additional interspace (List separately in addition to code for separate procedure)	CPT-4	Procedure
22554	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); cervical below C2	CPT-4	Procedure
22555	Arthrodesis With Discectomy, Cervical, Anterior	CPT-4	Procedure
22556	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic	CPT-4	Procedure
22558	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); lumbar	CPT-4	Procedure
22560	Arthrodesis With Discectomy, Lumbar Or Thoracic,	CPT-4	Procedure
22561	Arthrodesis With Discectomy, Lumbar Or Thoracic,	CPT-4	Procedure
22565	Arthrodesis With Discectomy, Lower Lumbar Spine,	CPT-4	Procedure
22585	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); each additional interspace (List separately in addition to code for primary procedure)	CPT-4	Procedure
22590	Arthrodesis, posterior technique, craniocervical (occiput-C2)	CPT-4	Procedure
22595	Arthrodesis, posterior technique, atlas-axis (C1-C2)	CPT-4	Procedure
22600	Arthrodesis, posterior or posterolateral technique, single level; cervical below C2 segment	CPT-4	Procedure
22605	Cervical Fusion, Posterior Approach, Below C1 Level;	CPT-4	Procedure
22610	Arthrodesis, posterior or posterolateral technique, single level; thoracic (with lateral transverse technique, when performed)	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
22612	Arthrodesis, posterior or posterolateral technique, single level; lumbar (with lateral transverse technique, when performed)	CPT-4	Procedure
22614	Arthrodesis, posterior or posterolateral technique, single level; each additional vertebral segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
22615	Cervical Fusion, Anterior Approach (c3-t1) With Iliac	CPT-4	Procedure
22617	Atlas-axis Fusion (c1-c2 Or C3) With Iliac Or	CPT-4	Procedure
22620	Cervicocranial Fusion (occiput Through C2) With	CPT-4	Procedure
22625	ARTHRODESIS LAT TRANSVERSE W/GFT-INT FIXA LUMBAR	CPT-4	Procedure
22630	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar	CPT-4	Procedure
22632	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace (List separately in addition to code for primary procedure)	CPT-4	Procedure
22800	Arthrodesis, posterior, for spinal deformity, with or without cast; up to 6 vertebral segments	CPT-4	Procedure
22801	Arthrodesis, Primary For Scoliosis With Or Without	CPT-4	Procedure
22802	Arthrodesis, posterior, for spinal deformity, with or without cast; 7 to 12 vertebral segments	CPT-4	Procedure
22803	Arthrodesis, Primary For Scoliosis With Or Without	CPT-4	Procedure
22804	Arthrodesis, posterior, for spinal deformity, with or without cast; 13 or more vertebral segments	CPT-4	Procedure
22808	Arthrodesis, anterior, for spinal deformity, with or without cast; 2 to 3 vertebral segments	CPT-4	Procedure
22810	Arthrodesis, anterior, for spinal deformity, with or without cast; 4 to 7 vertebral segments	CPT-4	Procedure
22812	Arthrodesis, anterior, for spinal deformity, with or without cast; 8 or more vertebral segments	CPT-4	Procedure
22818	Kyphectomy, circumferential exposure of spine and resection of vertebral segment(s) (including body and posterior elements); single or 2 segments	CPT-4	Procedure
22819	Kyphectomy, circumferential exposure of spine and resection of vertebral segment(s) (including body and posterior elements); 3 or more segments	CPT-4	Procedure
22830	Exploration of spinal fusion	CPT-4	Procedure
22840	Posterior non-segmental instrumentation (eg, Harrington rod technique, pedicle fixation across 1 interspace, atlantoaxial transarticular screw fixation, sublaminar wiring at C1, facet screw fixation) (List separately in addition to code for primary procedure)	CPT-4	Procedure
22841	Internal spinal fixation by wiring of spinous processes (List separately in addition to code for primary procedure)	CPT-4	Procedure
22842	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 3 to 6 vertebral segments (List separately in addition to code for primary procedure)	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
22843	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 7 to 12 vertebral segments (List separately in addition to code for primary procedure)	CPT-4	Procedure
22844	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 13 or more vertebral segments (List separately in addition to code for primary procedure)	CPT-4	Procedure
22845	Anterior instrumentation; 2 to 3 vertebral segments (List separately in addition to code for primary procedure)	CPT-4	Procedure
22846	Anterior instrumentation; 4 to 7 vertebral segments (List separately in addition to code for primary procedure)	CPT-4	Procedure
22847	Anterior instrumentation; 8 or more vertebral segments (List separately in addition to code for primary procedure)	CPT-4	Procedure
22848	Pelvic fixation (attachment of caudal end of instrumentation to pelvic bony structures) other than sacrum (List separately in addition to code for primary procedure)	CPT-4	Procedure
22849	Reinsertion of spinal fixation device	CPT-4	Procedure
22850	Removal of posterior nonsegmental instrumentation (eg, Harrington rod)	CPT-4	Procedure
22851	Application of intervertebral biomechanical device(s) (eg, synthetic cage(s), methylmethacrylate) to vertebral defect or interspace (List separately in addition to code for primary procedure)	CPT-4	Procedure
22852	Removal of posterior segmental instrumentation	CPT-4	Procedure
22855	Removal of anterior instrumentation	CPT-4	Procedure
22856	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophylectomy for nerve root or spinal cord decompression and microdissection); single interspace, cervical	CPT-4	Procedure
22857	Total disc arthroplasty (artificial disc), anterior approach, including discectomy to prepare interspace (other than for decompression), single interspace, lumbar	CPT-4	Procedure
22858	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophylectomy for nerve root or spinal cord decompression and microdissection); second level, cervical (List separately in addition to code for primary procedure)	CPT-4	Procedure
22861	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical	CPT-4	Procedure
22862	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, single interspace; lumbar	CPT-4	Procedure
22864	Removal of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical	CPT-4	Procedure
22865	Removal of total disc arthroplasty (artificial disc), anterior approach, single interspace; lumbar	CPT-4	Procedure
63001	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), 1 or 2 vertebral segments; cervical	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
63003	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), 1 or 2 vertebral segments; thoracic	CPT-4	Procedure
63005	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), 1 or 2 vertebral segments; lumbar, except for spondylolisthesis	CPT-4	Procedure
63010	Laminectomy For Exploration/decompression Of Spinal Cord And/or Cauda Equina, One Or Two Segments	CPT-4	Procedure
63011	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), 1 or 2 vertebral segments; sacral	CPT-4	Procedure
63012	Laminectomy with removal of abnormal facets and/or pars inter-articularis with decompression of cauda equina and nerve roots for spondylolisthesis, lumbar (Gill type procedure)	CPT-4	Procedure
63015	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; cervical	CPT-4	Procedure
63016	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; thoracic	CPT-4	Procedure
63017	Laminectomy with exploration and/or decompression of spinal cord and/or cauda equina, without facetectomy, foraminotomy or discectomy (eg, spinal stenosis), more than 2 vertebral segments; lumbar	CPT-4	Procedure
63045	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; cervical	CPT-4	Procedure
63046	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; thoracic	CPT-4	Procedure
63047	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; lumbar	CPT-4	Procedure
63048	Laminectomy, facetectomy and foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s], [eg, spinal or lateral recess stenosis]), single vertebral segment; each additional segment, cervical, thoracic, or lumbar (List separately in addition to code for primary procedure)	CPT-4	Procedure
63050	Laminoplasty, cervical, with decompression of the spinal cord, 2 or more vertebral segments;	CPT-4	Procedure
63051	Laminoplasty, cervical, with decompression of the spinal cord, 2 or more vertebral segments; with reconstruction of the posterior bony elements (including the application of bridging bone graft and non-segmental fixation devices [eg, wire, suture, mini-plates], when performed)	CPT-4	Procedure

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Code	Description	Code Type	Code Category
63055	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; thoracic	CPT-4	Procedure
63056	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; lumbar (including transfacet, or lateral extraforaminal approach) (eg, far lateral herniated intervertebral disc)	CPT-4	Procedure
63057	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; each additional segment, thoracic or lumbar (List separately in addition to code for primary procedure)	CPT-4	Procedure
63060	Hemilaminectomy (laminectomy) For Herniated Intervertebral	CPT-4	Procedure
63064	Costovertebral approach with decompression of spinal cord or nerve root(s) (eg, herniated intervertebral disc), thoracic; single segment	CPT-4	Procedure
63065	Transthoracic Approach For Herniated Intervertebral Disk Or	CPT-4	Procedure
63066	Costovertebral approach with decompression of spinal cord or nerve root(s) (eg, herniated intervertebral disc), thoracic; each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
63075	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; cervical, single interspace	CPT-4	Procedure
63076	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; cervical, each additional interspace (List separately in addition to code for primary procedure)	CPT-4	Procedure
63077	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; thoracic, single interspace	CPT-4	Procedure
63078	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophytectomy; thoracic, each additional interspace (List separately in addition to code for primary procedure)	CPT-4	Procedure
63081	Vertebral corpectomy (vertebral body resection), partial or complete, anterior approach with decompression of spinal cord and/or nerve root(s); cervical, single segment	CPT-4	Procedure
63082	Vertebral corpectomy (vertebral body resection), partial or complete, anterior approach with decompression of spinal cord and/or nerve root(s); cervical, each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
63085	Vertebral corpectomy (vertebral body resection), partial or complete, transthoracic approach with decompression of spinal cord and/or nerve root(s); thoracic, single segment	CPT-4	Procedure
63086	Vertebral corpectomy (vertebral body resection), partial or complete, transthoracic approach with decompression of spinal cord and/or nerve root(s); thoracic, each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
63087	Vertebral corpectomy (vertebral body resection), partial or complete, combined thoracolumbar approach with decompression of spinal cord, cauda equina or nerve root(s), lower thoracic or lumbar; single segment	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
63088	Vertebral corpectomy (vertebral body resection), partial or complete, combined thoracolumbar approach with decompression of spinal cord, cauda equina or nerve root(s), lower thoracic or lumbar; each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
63090	Vertebral corpectomy (vertebral body resection), partial or complete, transperitoneal or retroperitoneal approach with decompression of spinal cord, cauda equina or nerve root(s), lower thoracic, lumbar, or sacral; single segment	CPT-4	Procedure
63091	Vertebral corpectomy (vertebral body resection), partial or complete, transperitoneal or retroperitoneal approach with decompression of spinal cord, cauda equina or nerve root(s), lower thoracic, lumbar, or sacral; each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
63101	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or nerve root(s) (eg, for tumor or retropulsed bone fragments); thoracic, single segment	CPT-4	Procedure
63102	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or nerve root(s) (eg, for tumor or retropulsed bone fragments); lumbar, single segment	CPT-4	Procedure
63103	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or nerve root(s) (eg, for tumor or retropulsed bone fragments); thoracic or lumbar, each additional segment (List separately in addition to code for primary procedure)	CPT-4	Procedure
63170	Laminectomy with myelotomy (eg, Bischof or DREZ type), cervical, thoracic, or thoracolumbar	CPT-4	Procedure
63172	Laminectomy with drainage of intramedullary cyst/syrinx; to subarachnoid space	CPT-4	Procedure
63173	Laminectomy with drainage of intramedullary cyst/syrinx; to peritoneal or pleural space	CPT-4	Procedure
63180	Laminectomy and section of dentate ligaments, with or without dural graft, cervical; 1 or 2 segments	CPT-4	Procedure
63182	Laminectomy and section of dentate ligaments, with or without dural graft, cervical; more than 2 segments	CPT-4	Procedure
63185	Laminectomy with rhizotomy; 1 or 2 segments	CPT-4	Procedure
63190	Laminectomy with rhizotomy; more than 2 segments	CPT-4	Procedure
63191	Laminectomy with section of spinal accessory nerve	CPT-4	Procedure
63192	Laminectomy For Section Of Spinal Accessory Nerve	CPT-4	Procedure
63194	Laminectomy with cordotomy, with section of 1 spinothalamic tract, 1 stage; cervical	CPT-4	Procedure
63195	Laminectomy with cordotomy, with section of 1 spinothalamic tract, 1 stage; thoracic	CPT-4	Procedure
63196	Laminectomy with cordotomy, with section of both spinothalamic tracts, 1 stage; cervical	CPT-4	Procedure
63197	Laminectomy with cordotomy, with section of both spinothalamic tracts, 1 stage; thoracic	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
63198	Laminectomy with cordotomy with section of both spinothalamic tracts, 2 stages within 14 days; cervical	CPT-4	Procedure
63199	Laminectomy with cordotomy with section of both spinothalamic tracts, 2 stages within 14 days; thoracic	CPT-4	Procedure
63200	Laminectomy, with release of tethered spinal cord, lumbar	CPT-4	Procedure
63250	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; cervical	CPT-4	Procedure
63251	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; thoracic	CPT-4	Procedure
63252	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; thoracolumbar	CPT-4	Procedure
63265	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; cervical	CPT-4	Procedure
63266	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; thoracic	CPT-4	Procedure
63267	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; lumbar	CPT-4	Procedure
63268	Laminectomy for excision or evacuation of intraspinal lesion other than neoplasm, extradural; sacral	CPT-4	Procedure
63270	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; cervical	CPT-4	Procedure
63271	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; thoracic	CPT-4	Procedure
63272	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; lumbar	CPT-4	Procedure
63273	Laminectomy for excision of intraspinal lesion other than neoplasm, intradural; sacral	CPT-4	Procedure
63275	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, cervical	CPT-4	Procedure
63276	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, thoracic	CPT-4	Procedure
63277	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, lumbar	CPT-4	Procedure
63278	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, sacral	CPT-4	Procedure
63280	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, cervical	CPT-4	Procedure
63281	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, thoracic	CPT-4	Procedure
63282	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, lumbar	CPT-4	Procedure
63283	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, sacral	CPT-4	Procedure
63285	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, cervical	CPT-4	Procedure
63286	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, thoracic	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
63287	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, thoracolumbar	CPT-4	Procedure
63290	Laminectomy for biopsy/excision of intraspinal neoplasm; combined extradural-intradural lesion, any level	CPT-4	Procedure
63295	Osteoplastic reconstruction of dorsal spinal elements, following primary intraspinal procedure (List separately in addition to code for primary procedure)	CPT-4	Procedure
63300	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, cervical	CPT-4	Procedure
63301	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by transthoracic approach	CPT-4	Procedure
63302	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by thoracolumbar approach	CPT-4	Procedure
63303	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, lumbar or sacral by transperitoneal or retroperitoneal approach	CPT-4	Procedure
63304	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, cervical	CPT-4	Procedure
63305	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, thoracic by transthoracic approach	CPT-4	Procedure
63306	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, thoracic by thoracolumbar approach	CPT-4	Procedure
63307	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, lumbar or sacral by transperitoneal or retroperitoneal approach	CPT-4	Procedure
63308	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; each additional segment (List separately in addition to codes for single segment)	CPT-4	Procedure
63650	Percutaneous implantation of neurostimulator electrode array, epidural	CPT-4	Procedure
63652	Percutaneous Implantation Of Neurostimulator Electrodes	CPT-4	Procedure
63655	Laminectomy for implantation of neurostimulator electrodes, plate/paddle, epidural	CPT-4	Procedure
63656	Laminectomy For Implantation Of Neurostimulator Electrodes	CPT-4	Procedure
63657	LAMINEC-IMPLANT-NEUROSTIMUL.ELECTRODES;SUBDURAL	CPT-4	Procedure
63658	LAMINECT. IMPLANT.ELECT.;SUBARACHNOID	CPT-4	Procedure
63660	Revision or removal of spinal neurostimulator electrode percutaneous array(s) or plate/paddle(s)	CPT-4	Procedure
63661	Removal of spinal neurostimulator electrode percutaneous array(s), including fluoroscopy, when performed	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
63662	Removal of spinal neurostimulator electrode plate/paddle(s) placed via laminotomy or laminectomy, including fluoroscopy, when performed	CPT-4	Procedure
63663	Revision including replacement, when performed, of spinal neurostimulator electrode percutaneous array(s), including fluoroscopy, when performed	CPT-4	Procedure
63664	Revision including replacement, when performed, of spinal neurostimulator electrode plate/paddle(s) placed via laminotomy or laminectomy, including fluoroscopy, when performed	CPT-4	Procedure
63685	Insertion or replacement of spinal neurostimulator pulse generator or receiver, direct or inductive coupling	CPT-4	Procedure
63688	Revision or removal of implanted spinal neurostimulator pulse generator or receiver	CPT-4	Procedure
00.7	Other hip procedures	ICD-9-CM	Procedure
00.70	Revision of hip replacement, both acetabular and femoral components	ICD-9-CM	Procedure
00.71	Revision of hip replacement, acetabular component	ICD-9-CM	Procedure
00.72	Revision of hip replacement, femoral component	ICD-9-CM	Procedure
00.73	Revision of hip replacement, acetabular liner and/or femoral head only	ICD-9-CM	Procedure
00.74	Hip bearing surface, metal-on-polyethylene	ICD-9-CM	Procedure
00.75	Hip bearing surface, metal-on-metal	ICD-9-CM	Procedure
00.76	Hip bearing surface, ceramic-on-ceramic	ICD-9-CM	Procedure
00.77	Hip bearing surface, ceramic-on-polyethylene	ICD-9-CM	Procedure
00.78	other hip procedures	ICD-9-CM	Procedure
00.79	other hip procedures	ICD-9-CM	Procedure
00.8	Other knee and hip procedures	ICD-9-CM	Procedure
00.80	Revision of knee replacement, total (all components)	ICD-9-CM	Procedure
00.81	Revision of knee replacement, tibial component	ICD-9-CM	Procedure
00.82	Revision of knee replacement, femoral component	ICD-9-CM	Procedure
00.83	Revision of knee replacement, patellar component	ICD-9-CM	Procedure
00.84	Revision of total knee replacement, tibial insert (liner)	ICD-9-CM	Procedure
00.85	Resurfacing hip, total, acetabulum and femoral head	ICD-9-CM	Procedure
00.86	Resurfacing hip, partial, femoral head	ICD-9-CM	Procedure
00.87	Resurfacing hip, partial, acetabulum	ICD-9-CM	Procedure
00.88	other knee procedures	ICD-9-CM	Procedure
00.89	other knee procedures	ICD-9-CM	Procedure
005T0ZZ	Destruction of Spinal Meninges, Open Approach	ICD-10-CM	Procedure
005T3ZZ	Destruction of Spinal Meninges, Percutaneous Approach	ICD-10-CM	Procedure
005T4ZZ	Destruction of Spinal Meninges, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
005W0ZZ	Destruction of Cervical Spinal Cord, Open Approach	ICD-10-CM	Procedure
005W3ZZ	Destruction of Cervical Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
005W4ZZ	Destruction of Cervical Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
005X0ZZ	Destruction of Thoracic Spinal Cord, Open Approach	ICD-10-CM	Procedure
005X3ZZ	Destruction of Thoracic Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
005X4ZZ	Destruction of Thoracic Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
005Y0ZZ	Destruction of Lumbar Spinal Cord, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
005Y3ZZ	Destruction of Lumbar Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
005Y4ZZ	Destruction of Lumbar Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00BT0ZZ	Excision of Spinal Meninges, Open Approach	ICD-10-CM	Procedure
00BT3ZZ	Excision of Spinal Meninges, Percutaneous Approach	ICD-10-CM	Procedure
00BT4ZZ	Excision of Spinal Meninges, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00BW0ZZ	Excision of Cervical Spinal Cord, Open Approach	ICD-10-CM	Procedure
00BW3ZZ	Excision of Cervical Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00BW4ZZ	Excision of Cervical Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00BX0ZZ	Excision of Thoracic Spinal Cord, Open Approach	ICD-10-CM	Procedure
00BX3ZZ	Excision of Thoracic Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00BX4ZZ	Excision of Thoracic Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00BY0ZZ	Excision of Lumbar Spinal Cord, Open Approach	ICD-10-CM	Procedure
00BY3ZZ	Excision of Lumbar Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00BY4ZZ	Excision of Lumbar Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00DT0ZZ	Extraction of Spinal Meninges, Open Approach	ICD-10-CM	Procedure
00DT3ZZ	Extraction of Spinal Meninges, Percutaneous Approach	ICD-10-CM	Procedure
00DT4ZZ	Extraction of Spinal Meninges, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00FU0ZZ	Fragmentation in Spinal Canal, Open Approach	ICD-10-CM	Procedure
00FU3ZZ	Fragmentation in Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00FU4ZZ	Fragmentation in Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00FUXZZ	Fragmentation in Spinal Canal, External Approach	ICD-10-CM	Procedure
00HU02Z	Insertion of Monitoring Device into Spinal Canal, Open Approach	ICD-10-CM	Procedure
00HU03Z	Insertion of Infusion Device into Spinal Canal, Open Approach	ICD-10-CM	Procedure
00HU0MZ	Insertion of Neurostimulator Lead into Spinal Canal, Open Approach	ICD-10-CM	Procedure
00HU32Z	Insertion of Monitoring Device into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00HU33Z	Insertion of Infusion Device into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00HU3MZ	Insertion of Neurostimulator Lead into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00HU42Z	Insertion of Monitoring Device into Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00HU43Z	Insertion of Infusion Device into Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00HU4MZ	Insertion of Neurostimulator Lead into Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00HV02Z	Insertion of Monitoring Device into Spinal Cord, Open Approach	ICD-10-CM	Procedure
00HV03Z	Insertion of Infusion Device into Spinal Cord, Open Approach	ICD-10-CM	Procedure
00HV0MZ	Insertion of Neurostimulator Lead into Spinal Cord, Open Approach	ICD-10-CM	Procedure
00HV32Z	Insertion of Monitoring Device into Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00HV33Z	Insertion of Infusion Device into Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00HV3MZ	Insertion of Neurostimulator Lead into Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00HV42Z	Insertion of Monitoring Device into Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00HV43Z	Insertion of Infusion Device into Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
00HV4MZ	Insertion of Neurostimulator Lead into Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00NT0ZZ	Release Spinal Meninges, Open Approach	ICD-10-CM	Procedure
00NT3ZZ	Release Spinal Meninges, Percutaneous Approach	ICD-10-CM	Procedure
00NT4ZZ	Release Spinal Meninges, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00PU00Z	Removal of Drainage Device from Spinal Canal, Open Approach	ICD-10-CM	Procedure
00PU02Z	Removal of Monitoring Device from Spinal Canal, Open Approach	ICD-10-CM	Procedure
00PU03Z	Removal of Infusion Device from Spinal Canal, Open Approach	ICD-10-CM	Procedure
00PU0JZ	Removal of Synthetic Substitute from Spinal Canal, Open Approach	ICD-10-CM	Procedure
00PU0MZ	Removal of Neurostimulator Lead from Spinal Canal, Open Approach	ICD-10-CM	Procedure
00PU30Z	Removal of Drainage Device from Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00PU32Z	Removal of Monitoring Device from Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00PU33Z	Removal of Infusion Device from Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00PU3JZ	Removal of Synthetic Substitute from Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00PU3MZ	Removal of Neurostimulator Lead from Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00PU40Z	Removal of Drainage Device from Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00PU42Z	Removal of Monitoring Device from Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00PU43Z	Removal of Infusion Device from Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00PU4JZ	Removal of Synthetic Substitute from Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00PU4MZ	Removal of Neurostimulator Lead from Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00PV0MZ	Removal of Neurostimulator Lead from Spinal Cord, Open Approach	ICD-10-CM	Procedure
00PV3MZ	Removal of Neurostimulator Lead from Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00PV4MZ	Removal of Neurostimulator Lead from Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00QT0ZZ	Repair Spinal Meninges, Open Approach	ICD-10-CM	Procedure
00QT3ZZ	Repair Spinal Meninges, Percutaneous Approach	ICD-10-CM	Procedure
00QT4ZZ	Repair Spinal Meninges, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00QW0ZZ	Repair Cervical Spinal Cord, Open Approach	ICD-10-CM	Procedure
00QW3ZZ	Repair Cervical Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00QW4ZZ	Repair Cervical Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00QX0ZZ	Repair Thoracic Spinal Cord, Open Approach	ICD-10-CM	Procedure
00QX3ZZ	Repair Thoracic Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00QX4ZZ	Repair Thoracic Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00QY0ZZ	Repair Lumbar Spinal Cord, Open Approach	ICD-10-CM	Procedure
00QY3ZZ	Repair Lumbar Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00QY4ZZ	Repair Lumbar Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00SW0ZZ	Reposition Cervical Spinal Cord, Open Approach	ICD-10-CM	Procedure
00SW3ZZ	Reposition Cervical Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
00SW4ZZ	Reposition Cervical Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00SX0ZZ	Reposition Thoracic Spinal Cord, Open Approach	ICD-10-CM	Procedure
00SX3ZZ	Reposition Thoracic Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00SX4ZZ	Reposition Thoracic Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00SY0ZZ	Reposition Lumbar Spinal Cord, Open Approach	ICD-10-CM	Procedure
00SY3ZZ	Reposition Lumbar Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00SY4ZZ	Reposition Lumbar Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00UT07Z	Supplement Spinal Meninges with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
00UT0JZ	Supplement Spinal Meninges with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
00UT0KZ	Supplement Spinal Meninges with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
00UT37Z	Supplement Spinal Meninges with Autologous Tissue Substitute, Percutaneous Approach	ICD-10-CM	Procedure
00UT3JZ	Supplement Spinal Meninges with Synthetic Substitute, Percutaneous Approach	ICD-10-CM	Procedure
00UT3KZ	Supplement Spinal Meninges with Nonautologous Tissue Substitute, Percutaneous Approach	ICD-10-CM	Procedure
00UT47Z	Supplement Spinal Meninges with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00UT4JZ	Supplement Spinal Meninges with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00UT4KZ	Supplement Spinal Meninges with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WU00Z	Revision of Drainage Device in Spinal Canal, Open Approach	ICD-10-CM	Procedure
00WU02Z	Revision of Monitoring Device in Spinal Canal, Open Approach	ICD-10-CM	Procedure
00WU03Z	Revision of Infusion Device in Spinal Canal, Open Approach	ICD-10-CM	Procedure
00WU0JZ	Revision of Synthetic Substitute in Spinal Canal, Open Approach	ICD-10-CM	Procedure
00WU0MZ	Revision of Neurostimulator Lead in Spinal Canal, Open Approach	ICD-10-CM	Procedure
00WU30Z	Revision of Drainage Device in Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00WU32Z	Revision of Monitoring Device in Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00WU33Z	Revision of Infusion Device in Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00WU3JZ	Revision of Synthetic Substitute in Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00WU3MZ	Revision of Neurostimulator Lead in Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
00WU40Z	Revision of Drainage Device in Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WU42Z	Revision of Monitoring Device in Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WU43Z	Revision of Infusion Device in Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WU4JZ	Revision of Synthetic Substitute in Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WU4MZ	Revision of Neurostimulator Lead in Spinal Canal, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WV00Z	Revision of Drainage Device in Spinal Cord, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
00WV02Z	Revision of Monitoring Device in Spinal Cord, Open Approach	ICD-10-CM	Procedure
00WV03Z	Revision of Infusion Device in Spinal Cord, Open Approach	ICD-10-CM	Procedure
00WV0MZ	Revision of Neurostimulator Lead in Spinal Cord, Open Approach	ICD-10-CM	Procedure
00WV30Z	Revision of Drainage Device in Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00WV32Z	Revision of Monitoring Device in Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00WV33Z	Revision of Infusion Device in Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00WV3MZ	Revision of Neurostimulator Lead in Spinal Cord, Percutaneous Approach	ICD-10-CM	Procedure
00WV40Z	Revision of Drainage Device in Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WV42Z	Revision of Monitoring Device in Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WV43Z	Revision of Infusion Device in Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
00WV4MZ	Revision of Neurostimulator Lead in Spinal Cord, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
01214	Anesthesia for open procedures involving hip joint; total hip arthroplasty	CPT-4	Procedure
01215	Anesthesia for open procedures involving hip joint; revision of total hip arthroplasty	CPT-4	Procedure
01402	Anesthesia for open or surgical arthroscopic procedures on knee joint; total knee arthroplasty	CPT-4	Procedure
01510ZZ	Destruction of Cervical Nerve, Open Approach	ICD-10-CM	Procedure
01513ZZ	Destruction of Cervical Nerve, Percutaneous Approach	ICD-10-CM	Procedure
01514ZZ	Destruction of Cervical Nerve, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
01580ZZ	Destruction of Thoracic Nerve, Open Approach	ICD-10-CM	Procedure
01583ZZ	Destruction of Thoracic Nerve, Percutaneous Approach	ICD-10-CM	Procedure
01584ZZ	Destruction of Thoracic Nerve, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
015B0ZZ	Destruction of Lumbar Nerve, Open Approach	ICD-10-CM	Procedure
015B3ZZ	Destruction of Lumbar Nerve, Percutaneous Approach	ICD-10-CM	Procedure
015B4ZZ	Destruction of Lumbar Nerve, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
015R0ZZ	Destruction of Sacral Nerve, Open Approach	ICD-10-CM	Procedure
015R3ZZ	Destruction of Sacral Nerve, Percutaneous Approach	ICD-10-CM	Procedure
015R4ZZ	Destruction of Sacral Nerve, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
03.4	Excision or destruction of lesion of spinal cord or spinal meninges	ICD-9-CM	Procedure
03.40	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.41	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.42	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.43	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.44	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.45	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.46	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.47	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.48	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.49	Excision Or Destruction Of Lesion Of Spinal Cord Or Spinal Meninges	ICD-9-CM	Procedure
03.5	Plastic operations on spinal cord structures	ICD-9-CM	Procedure
03.50	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure

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Code	Description	Code Type	Code Category
03.51	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.52	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.53	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.54	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.55	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.56	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.57	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.58	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.59	Plastic Operations On Spinal Cord Structures	ICD-9-CM	Procedure
03.9	Other operations on spinal cord and spinal canal structures	ICD-9-CM	Procedure
03.90	Insertion of catheter into spinal canal for infusion of therapeutic or palliative substances	ICD-9-CM	Procedure
03.91	Injection of anesthetic into spinal canal for analgesia	ICD-9-CM	Procedure
03.92	Injection of other agent into spinal canal	ICD-9-CM	Procedure
03.93	Implantation or replacement of spinal neurostimulator lead(s)	ICD-9-CM	Procedure
03.94	Removal of spinal neurostimulator lead(s)	ICD-9-CM	Procedure
03.95	Spinal blood patch	ICD-9-CM	Procedure
03.96	Percutaneous denervation of facet	ICD-9-CM	Procedure
03.97	Revision of spinal thecal shunt	ICD-9-CM	Procedure
03.98	Removal of spinal thecal shunt	ICD-9-CM	Procedure
03.99	Other operations on spinal cord and spinal canal structures	ICD-9-CM	Procedure
0KXS0ZZ	Transfer Right Lower Leg Muscle, Open Approach	ICD-10-CM	Procedure
0KXS4ZZ	Transfer Right Lower Leg Muscle, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0KXT0ZZ	Transfer Left Lower Leg Muscle, Open Approach	ICD-10-CM	Procedure
0KXT4ZZ	Transfer Left Lower Leg Muscle, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0LSQ0ZZ	Reposition Right Knee Tendon, Open Approach	ICD-10-CM	Procedure
0LSQ4ZZ	Reposition Right Knee Tendon, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0LSR0ZZ	Reposition Left Knee Tendon, Open Approach	ICD-10-CM	Procedure
0LSR4ZZ	Reposition Left Knee Tendon, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M5L0ZZ	Destruction of Right Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M5L3ZZ	Destruction of Right Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M5L4ZZ	Destruction of Right Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M5M0ZZ	Destruction of Left Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M5M3ZZ	Destruction of Left Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M5M4ZZ	Destruction of Left Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M5N0ZZ	Destruction of Right Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M5N3ZZ	Destruction of Right Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M5N4ZZ	Destruction of Right Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M5P0ZZ	Destruction of Left Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M5P3ZZ	Destruction of Left Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure

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Code	Description	Code Type	Code Category
0M5P4ZZ	Destruction of Left Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M8L0ZZ	Division of Right Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M8L3ZZ	Division of Right Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M8L4ZZ	Division of Right Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M8M0ZZ	Division of Left Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M8M3ZZ	Division of Left Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M8M4ZZ	Division of Left Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M8N0ZZ	Division of Right Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M8N3ZZ	Division of Right Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M8N4ZZ	Division of Right Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0M8P0ZZ	Division of Left Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0M8P3ZZ	Division of Left Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0M8P4ZZ	Division of Left Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MBL0ZZ	Excision of Right Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MBL3ZZ	Excision of Right Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MBL4ZZ	Excision of Right Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MBM0ZZ	Excision of Left Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MBM3ZZ	Excision of Left Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MBM4ZZ	Excision of Left Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MBN0ZZ	Excision of Right Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MBN3ZZ	Excision of Right Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MBN4ZZ	Excision of Right Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MBP0ZZ	Excision of Left Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MBP3ZZ	Excision of Left Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MBP4ZZ	Excision of Left Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MNL0ZZ	Release Right Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MNL3ZZ	Release Right Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MNL4ZZ	Release Right Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MNLXZZ	Release Right Hip Bursa and Ligament, External Approach	ICD-10-CM	Procedure
0MNM0ZZ	Release Left Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MNM3ZZ	Release Left Hip Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MNM4ZZ	Release Left Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MNMXZZ	Release Left Hip Bursa and Ligament, External Approach	ICD-10-CM	Procedure
0MNN0ZZ	Release Right Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MNN3ZZ	Release Right Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MNN4ZZ	Release Right Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MNNXZZ	Release Right Knee Bursa and Ligament, External Approach	ICD-10-CM	Procedure
0MNP0ZZ	Release Left Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MNP3ZZ	Release Left Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MNP4ZZ	Release Left Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MNPXZZ	Release Left Knee Bursa and Ligament, External Approach	ICD-10-CM	Procedure
0MQN0ZZ	Repair Right Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure

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Code	Description	Code Type	Code Category
0MQN3ZZ	Repair Right Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MQN4ZZ	Repair Right Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MQP0ZZ	Repair Left Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MQP3ZZ	Repair Left Knee Bursa and Ligament, Percutaneous Approach	ICD-10-CM	Procedure
0MQP4ZZ	Repair Left Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MTL0ZZ	Resection of Right Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MTL4ZZ	Resection of Right Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MTM0ZZ	Resection of Left Hip Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MTM4ZZ	Resection of Left Hip Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MTN0ZZ	Resection of Right Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MTN4ZZ	Resection of Right Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0MTP0ZZ	Resection of Left Knee Bursa and Ligament, Open Approach	ICD-10-CM	Procedure
0MTP4ZZ	Resection of Left Knee Bursa and Ligament, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0PS304Z	Reposition Cervical Vertebra with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
0PS30ZZ	Reposition Cervical Vertebra, Open Approach	ICD-10-CM	Procedure
0PS334Z	Reposition Cervical Vertebra with Internal Fixation Device, Percutaneous Approach	ICD-10-CM	Procedure
0PS33ZZ	Reposition Cervical Vertebra, Percutaneous Approach	ICD-10-CM	Procedure
0PS344Z	Reposition Cervical Vertebra with Internal Fixation Device, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0PS34ZZ	Reposition Cervical Vertebra, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0PS3XZZ	Reposition Cervical Vertebra, External Approach	ICD-10-CM	Procedure
0PS404Z	Reposition Thoracic Vertebra with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
0PS40ZZ	Reposition Thoracic Vertebra, Open Approach	ICD-10-CM	Procedure
0PS434Z	Reposition Thoracic Vertebra with Internal Fixation Device, Percutaneous Approach	ICD-10-CM	Procedure
0PS43ZZ	Reposition Thoracic Vertebra, Percutaneous Approach	ICD-10-CM	Procedure
0PS444Z	Reposition Thoracic Vertebra with Internal Fixation Device, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0PS44ZZ	Reposition Thoracic Vertebra, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0PS4XZZ	Reposition Thoracic Vertebra, External Approach	ICD-10-CM	Procedure
0QPD0JZ	Removal of Synthetic Substitute from Right Patella, Open Approach	ICD-10-CM	Procedure
0QPD3JZ	Removal of Synthetic Substitute from Right Patella, Percutaneous Approach	ICD-10-CM	Procedure
0QPD4JZ	Removal of Synthetic Substitute from Right Patella, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QPF0JZ	Removal of Synthetic Substitute from Left Patella, Open Approach	ICD-10-CM	Procedure
0QPF3JZ	Removal of Synthetic Substitute from Left Patella, Percutaneous Approach	ICD-10-CM	Procedure
0QPF4JZ	Removal of Synthetic Substitute from Left Patella, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QRD0JZ	Replacement of Right Patella with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0QRD3JZ	Replacement of Right Patella with Synthetic Substitute, Percutaneous Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0QRD4JZ	Replacement of Right Patella with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QRF0JZ	Replacement of Left Patella with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0QRF3JZ	Replacement of Left Patella with Synthetic Substitute, Percutaneous Approach	ICD-10-CM	Procedure
0QRF4JZ	Replacement of Left Patella with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QS004Z	Reposition Lumbar Vertebra with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
0QS00ZZ	Reposition Lumbar Vertebra, Open Approach	ICD-10-CM	Procedure
0QS034Z	Reposition Lumbar Vertebra with Internal Fixation Device, Percutaneous Approach	ICD-10-CM	Procedure
0QS03ZZ	Reposition Lumbar Vertebra, Percutaneous Approach	ICD-10-CM	Procedure
0QS044Z	Reposition Lumbar Vertebra with Internal Fixation Device, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QS04ZZ	Reposition Lumbar Vertebra, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QS0XZZ	Reposition Lumbar Vertebra, External Approach	ICD-10-CM	Procedure
0QS104Z	Reposition Sacrum with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
0QS10ZZ	Reposition Sacrum, Open Approach	ICD-10-CM	Procedure
0QS134Z	Reposition Sacrum with Internal Fixation Device, Percutaneous Approach	ICD-10-CM	Procedure
0QS13ZZ	Reposition Sacrum, Percutaneous Approach	ICD-10-CM	Procedure
0QS144Z	Reposition Sacrum with Internal Fixation Device, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QS14ZZ	Reposition Sacrum, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QS1XZZ	Reposition Sacrum, External Approach	ICD-10-CM	Procedure
0QSS04Z	Reposition Coccyx with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
0QSS0ZZ	Reposition Coccyx, Open Approach	ICD-10-CM	Procedure
0QSS34Z	Reposition Coccyx with Internal Fixation Device, Percutaneous Approach	ICD-10-CM	Procedure
0QSS3ZZ	Reposition Coccyx, Percutaneous Approach	ICD-10-CM	Procedure
0QSS44Z	Reposition Coccyx with Internal Fixation Device, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QSS4ZZ	Reposition Coccyx, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QSSXZZ	Reposition Coccyx, External Approach	ICD-10-CM	Procedure
0QUD0JZ	Supplement Right Patella with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0QUD3JZ	Supplement Right Patella with Synthetic Substitute, Percutaneous Approach	ICD-10-CM	Procedure
0QUD4JZ	Supplement Right Patella with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0QUF0JZ	Supplement Left Patella with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0QUF3JZ	Supplement Left Patella with Synthetic Substitute, Percutaneous Approach	ICD-10-CM	Procedure
0QUF4JZ	Supplement Left Patella with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0S590ZZ	Destruction of Right Hip Joint, Open Approach	ICD-10-CM	Procedure
0S593ZZ	Destruction of Right Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
0S594ZZ	Destruction of Right Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0S5B0ZZ	Destruction of Left Hip Joint, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
055B3ZZ	Destruction of Left Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
055B4ZZ	Destruction of Left Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
055C0ZZ	Destruction of Right Knee Joint, Open Approach	ICD-10-CM	Procedure
055C3ZZ	Destruction of Right Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
055C4ZZ	Destruction of Right Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
055D0ZZ	Destruction of Left Knee Joint, Open Approach	ICD-10-CM	Procedure
055D3ZZ	Destruction of Left Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
055D4ZZ	Destruction of Left Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05B90ZZ	Excision of Right Hip Joint, Open Approach	ICD-10-CM	Procedure
05B93ZZ	Excision of Right Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
05B94ZZ	Excision of Right Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05BB0ZZ	Excision of Left Hip Joint, Open Approach	ICD-10-CM	Procedure
05BB3ZZ	Excision of Left Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
05BB4ZZ	Excision of Left Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05BC0ZZ	Excision of Right Knee Joint, Open Approach	ICD-10-CM	Procedure
05BC3ZZ	Excision of Right Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
05BC4ZZ	Excision of Right Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05BD0ZZ	Excision of Left Knee Joint, Open Approach	ICD-10-CM	Procedure
05BD3ZZ	Excision of Left Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
05BD4ZZ	Excision of Left Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05N90ZZ	Release Right Hip Joint, Open Approach	ICD-10-CM	Procedure
05N93ZZ	Release Right Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
05N94ZZ	Release Right Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05NB0ZZ	Release Left Hip Joint, Open Approach	ICD-10-CM	Procedure
05NB3ZZ	Release Left Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
05NB4ZZ	Release Left Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05NC0ZZ	Release Right Knee Joint, Open Approach	ICD-10-CM	Procedure
05NC3ZZ	Release Right Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
05NC4ZZ	Release Right Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05ND0ZZ	Release Left Knee Joint, Open Approach	ICD-10-CM	Procedure
05ND3ZZ	Release Left Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
05ND4ZZ	Release Left Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05P908Z	Removal of Spacer from Right Hip Joint, Open Approach	ICD-10-CM	Procedure
05P909Z	Removal of Liner from Right Hip Joint, Open Approach	ICD-10-CM	Procedure
05P90BZ	Removal of Resurfacing Device from Right Hip Joint, Open Approach	ICD-10-CM	Procedure
05P90JZ	Removal of Synthetic Substitute from Right Hip Joint, Open Approach	ICD-10-CM	Procedure
05PA0JZ	Removal of Synthetic Substitute from Right Hip Joint, Acetabular Surface, Open Approach	ICD-10-CM	Procedure
05PB08Z	Removal of Spacer from Left Hip Joint, Open Approach	ICD-10-CM	Procedure
05PB09Z	Removal of Liner from Left Hip Joint, Open Approach	ICD-10-CM	Procedure
05PB0BZ	Removal of Resurfacing Device from Left Hip Joint, Open Approach	ICD-10-CM	Procedure
05PB0JZ	Removal of Synthetic Substitute from Left Hip Joint, Open Approach	ICD-10-CM	Procedure
05PC08Z	Removal of Spacer from Right Knee Joint, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0SPC09Z	Removal of Liner from Right Knee Joint, Open Approach	ICD-10-CM	Procedure
0SPC0JZ	Removal of Synthetic Substitute from Right Knee Joint, Open Approach	ICD-10-CM	Procedure
0SPC48Z	Removal of Spacer from Right Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SPC4JZ	Removal of Synthetic Substitute from Right Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SPD08Z	Removal of Spacer from Left Knee Joint, Open Approach	ICD-10-CM	Procedure
0SPD09Z	Removal of Liner from Left Knee Joint, Open Approach	ICD-10-CM	Procedure
0SPD0JZ	Removal of Synthetic Substitute from Left Knee Joint, Open Approach	ICD-10-CM	Procedure
0SPD48Z	Removal of Spacer from Left Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SPD4JZ	Removal of Synthetic Substitute from Left Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SPE0JZ	Removal of Synthetic Substitute from Left Hip Joint, Acetabular Surface, Open Approach	ICD-10-CM	Procedure
0SPR0JZ	Removal of Synthetic Substitute from Right Hip Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
0SPS0JZ	Removal of Synthetic Substitute from Left Hip Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
0SPT0JZ	Removal of Synthetic Substitute from Right Knee Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
0SPU0JZ	Removal of Synthetic Substitute from Left Knee Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
0SPV0JZ	Removal of Synthetic Substitute from Right Knee Joint, Tibial Surface, Open Approach	ICD-10-CM	Procedure
0SPW0JZ	Removal of Synthetic Substitute from Left Knee Joint, Tibial Surface, Open Approach	ICD-10-CM	Procedure
0SQ90ZZ	Repair Right Hip Joint, Open Approach	ICD-10-CM	Procedure
0SQ93ZZ	Repair Right Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
0SQ94ZZ	Repair Right Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SQ9XZZ	Repair Right Hip Joint, External Approach	ICD-10-CM	Procedure
0SQB0ZZ	Repair Left Hip Joint, Open Approach	ICD-10-CM	Procedure
0SQB3ZZ	Repair Left Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
0SQB4ZZ	Repair Left Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SQBXZZ	Repair Left Hip Joint, External Approach	ICD-10-CM	Procedure
0SR9019	Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SR901A	Replacement of Right Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SR901Z	Replacement of Right Hip Joint with Metal Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SR9029	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SR902A	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0SR902Z	Replacement of Right Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SR9039	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SR903A	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SR903Z	Replacement of Right Hip Joint with Ceramic Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SR9049	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SR904A	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SR904Z	Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SR907Z	Replacement of Right Hip Joint with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
0SR90J9	Replacement of Right Hip Joint with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SR90JA	Replacement of Right Hip Joint with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SR90JZ	Replacement of Right Hip Joint with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SR90KZ	Replacement of Right Hip Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
0SRA009	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SRA00A	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SRA00Z	Replacement of Right Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SRA019	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SRA01A	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SRA01Z	Replacement of Right Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SRA039	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SRA03A	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SRA03Z	Replacement of Right Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SRA07Z	Replacement of Right Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0SRA0J9	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
0SRA0JA	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
0SRA0JZ	Replacement of Right Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
0SRA0KZ	Replacement of Right Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRB019	Replacement of Left Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRB01A	Replacement of Left Hip Joint with Metal Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRB01Z	Replacement of Left Hip Joint with Metal Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRB029	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRB02A	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRB02Z	Replacement of Left Hip Joint with Metal on Polyethylene Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRB039	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRB03A	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRB03Z	Replacement of Left Hip Joint with Ceramic Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRB049	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRB04A	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRB04Z	Replacement of Left Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRB07Z	Replacement of Left Hip Joint with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRB0J9	Replacement of Left Hip Joint with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRB0JA	Replacement of Left Hip Joint with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRB0JZ	Replacement of Left Hip Joint with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRB0KZ	Replacement of Left Hip Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRC07Z	Replacement of Right Knee Joint with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
OSRC0J9	Replacement of Right Knee Joint with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRC0JA	Replacement of Right Knee Joint with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRC0JZ	Replacement of Right Knee Joint with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRC0KZ	Replacement of Right Knee Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRC0L9	Replacement of Right Knee Joint with Unicondylar Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRC0LA	Replacement of Right Knee Joint with Unicondylar Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRC0LZ	Replacement of Right Knee Joint with Unicondylar Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRD07Z	Replacement of Left Knee Joint with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRD0J9	Replacement of Left Knee Joint with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRD0JA	Replacement of Left Knee Joint with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRD0JZ	Replacement of Left Knee Joint with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRD0KZ	Replacement of Left Knee Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRD0L9	Replacement of Left Knee Joint with Unicondylar Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRD0LA	Replacement of Left Knee Joint with Unicondylar Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRD0LZ	Replacement of Left Knee Joint with Unicondylar Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRE009	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRE00A	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRE00Z	Replacement of Left Hip Joint, Acetabular Surface with Polyethylene Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRE019	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRE01A	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRE01Z	Replacement of Left Hip Joint, Acetabular Surface with Metal Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRE039	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
OSRE03A	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRE03Z	Replacement of Left Hip Joint, Acetabular Surface with Ceramic Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRE07Z	Replacement of Left Hip Joint, Acetabular Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRE0J9	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRE0JA	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRE0JZ	Replacement of Left Hip Joint, Acetabular Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRE0KZ	Replacement of Left Hip Joint, Acetabular Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRR019	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRR01A	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRR01Z	Replacement of Right Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRR039	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRR03A	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRR03Z	Replacement of Right Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRR07Z	Replacement of Right Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRR0J9	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRR0JA	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRR0JZ	Replacement of Right Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRR0KZ	Replacement of Right Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRS019	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRS01A	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRS01Z	Replacement of Left Hip Joint, Femoral Surface with Metal Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
OSRS039	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRS03A	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRS03Z	Replacement of Left Hip Joint, Femoral Surface with Ceramic Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRS07Z	Replacement of Left Hip Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRS0J9	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRS0JA	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRS0JZ	Replacement of Left Hip Joint, Femoral Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRS0KZ	Replacement of Left Hip Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRT07Z	Replacement of Right Knee Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRT0J9	Replacement of Right Knee Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRT0JA	Replacement of Right Knee Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRT0JZ	Replacement of Right Knee Joint, Femoral Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRT0KZ	Replacement of Right Knee Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRU07Z	Replacement of Left Knee Joint, Femoral Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRU0J9	Replacement of Left Knee Joint, Femoral Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRU0JA	Replacement of Left Knee Joint, Femoral Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRU0JZ	Replacement of Left Knee Joint, Femoral Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRU0KZ	Replacement of Left Knee Joint, Femoral Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRV07Z	Replacement of Right Knee Joint, Tibial Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRV0J9	Replacement of Right Knee Joint, Tibial Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRV0JA	Replacement of Right Knee Joint, Tibial Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
OSRV0JZ	Replacement of Right Knee Joint, Tibial Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRV0KZ	Replacement of Right Knee Joint, Tibial Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRW07Z	Replacement of Left Knee Joint, Tibial Surface with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSRW0J9	Replacement of Left Knee Joint, Tibial Surface with Synthetic Substitute, Cemented, Open Approach	ICD-10-CM	Procedure
OSRW0JA	Replacement of Left Knee Joint, Tibial Surface with Synthetic Substitute, Uncemented, Open Approach	ICD-10-CM	Procedure
OSRW0JZ	Replacement of Left Knee Joint, Tibial Surface with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
OSRW0KZ	Replacement of Left Knee Joint, Tibial Surface with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
OSS904Z	Reposition Right Hip Joint with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
OSS905Z	Reposition Right Hip Joint with External Fixation Device, Open Approach	ICD-10-CM	Procedure
OSS90ZZ	Reposition Right Hip Joint, Open Approach	ICD-10-CM	Procedure
OSSB04Z	Reposition Left Hip Joint with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
OSSB05Z	Reposition Left Hip Joint with External Fixation Device, Open Approach	ICD-10-CM	Procedure
OSSB0ZZ	Reposition Left Hip Joint, Open Approach	ICD-10-CM	Procedure
OSSC04Z	Reposition Right Knee Joint with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
OSSC05Z	Reposition Right Knee Joint with External Fixation Device, Open Approach	ICD-10-CM	Procedure
OSSC0ZZ	Reposition Right Knee Joint, Open Approach	ICD-10-CM	Procedure
OSSD04Z	Reposition Left Knee Joint with Internal Fixation Device, Open Approach	ICD-10-CM	Procedure
OSSD05Z	Reposition Left Knee Joint with External Fixation Device, Open Approach	ICD-10-CM	Procedure
OSSD0ZZ	Reposition Left Knee Joint, Open Approach	ICD-10-CM	Procedure
OST90ZZ	Resection of Right Hip Joint, Open Approach	ICD-10-CM	Procedure
OSTB0ZZ	Resection of Left Hip Joint, Open Approach	ICD-10-CM	Procedure
OSTC0ZZ	Resection of Right Knee Joint, Open Approach	ICD-10-CM	Procedure
OSTD0ZZ	Resection of Left Knee Joint, Open Approach	ICD-10-CM	Procedure
OSU909Z	Supplement Right Hip Joint with Liner, Open Approach	ICD-10-CM	Procedure
OSU90BZ	Supplement Right Hip Joint with Resurfacing Device, Open Approach	ICD-10-CM	Procedure
OSUA09Z	Supplement Right Hip Joint, Acetabular Surface with Liner, Open Approach	ICD-10-CM	Procedure
OSUA0BZ	Supplement Right Hip Joint, Acetabular Surface with Resurfacing Device, Open Approach	ICD-10-CM	Procedure
OSUB09Z	Supplement Left Hip Joint with Liner, Open Approach	ICD-10-CM	Procedure
OSUB0BZ	Supplement Left Hip Joint with Resurfacing Device, Open Approach	ICD-10-CM	Procedure
OSUC09C	Supplement Right Knee Joint with Liner, Patellar Surface, Open Approach	ICD-10-CM	Procedure
OSUD09C	Supplement Left Knee Joint with Liner, Patellar Surface, Open Approach	ICD-10-CM	Procedure
OSUE09Z	Supplement Left Hip Joint, Acetabular Surface with Liner, Open Approach	ICD-10-CM	Procedure
OSUE0BZ	Supplement Left Hip Joint, Acetabular Surface with Resurfacing Device, Open Approach	ICD-10-CM	Procedure
OSUR09Z	Supplement Right Hip Joint, Femoral Surface with Liner, Open Approach	ICD-10-CM	Procedure

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Code	Description	Code Type	Code Category
0SUR0BZ	Supplement Right Hip Joint, Femoral Surface with Resurfacing Device, Open Approach	ICD-10-CM	Procedure
0SUS09Z	Supplement Left Hip Joint, Femoral Surface with Liner, Open Approach	ICD-10-CM	Procedure
0SUS0BZ	Supplement Left Hip Joint, Femoral Surface with Resurfacing Device, Open Approach	ICD-10-CM	Procedure
0SUV09Z	Supplement Right Knee Joint, Tibial Surface with Liner, Open Approach	ICD-10-CM	Procedure
0SUW09Z	Supplement Left Knee Joint, Tibial Surface with Liner, Open Approach	ICD-10-CM	Procedure
0SW90JZ	Revision of Synthetic Substitute in Right Hip Joint, Open Approach	ICD-10-CM	Procedure
0SW93JZ	Revision of Synthetic Substitute in Right Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
0SW94JZ	Revision of Synthetic Substitute in Right Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWA0JZ	Revision of Synthetic Substitute in Right Hip Joint, Acetabular Surface, Open Approach	ICD-10-CM	Procedure
0SWA3JZ	Revision of Synthetic Substitute in Right Hip Joint, Acetabular Surface, Percutaneous Approach	ICD-10-CM	Procedure
0SWA4JZ	Revision of Synthetic Substitute in Right Hip Joint, Acetabular Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWB0JZ	Revision of Synthetic Substitute in Left Hip Joint, Open Approach	ICD-10-CM	Procedure
0SWB3JZ	Revision of Synthetic Substitute in Left Hip Joint, Percutaneous Approach	ICD-10-CM	Procedure
0SWB4JZ	Revision of Synthetic Substitute in Left Hip Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWC0JC	Revision of Synthetic Substitute in Right Knee Joint, Patellar Surface, Open Approach	ICD-10-CM	Procedure
0SWC0JZ	Revision of Synthetic Substitute in Right Knee Joint, Open Approach	ICD-10-CM	Procedure
0SWC3JC	Revision of Synthetic Substitute in Right Knee Joint, Patellar Surface, Percutaneous Approach	ICD-10-CM	Procedure
0SWC3JZ	Revision of Synthetic Substitute in Right Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
0SWC4JC	Revision of Synthetic Substitute in Right Knee Joint, Patellar Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWC4JZ	Revision of Synthetic Substitute in Right Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWD0JC	Revision of Synthetic Substitute in Left Knee Joint, Patellar Surface, Open Approach	ICD-10-CM	Procedure
0SWD0JZ	Revision of Synthetic Substitute in Left Knee Joint, Open Approach	ICD-10-CM	Procedure
0SWD3JC	Revision of Synthetic Substitute in Left Knee Joint, Patellar Surface, Percutaneous Approach	ICD-10-CM	Procedure
0SWD3JZ	Revision of Synthetic Substitute in Left Knee Joint, Percutaneous Approach	ICD-10-CM	Procedure
0SWD4JC	Revision of Synthetic Substitute in Left Knee Joint, Patellar Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWD4JZ	Revision of Synthetic Substitute in Left Knee Joint, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0SWE0JZ	Revision of Synthetic Substitute in Left Hip Joint, Acetabular Surface, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0SWE3JZ	Revision of Synthetic Substitute in Left Hip Joint, Acetabular Surface, Percutaneous Approach	ICD-10-CM	Procedure
0SWE4JZ	Revision of Synthetic Substitute in Left Hip Joint, Acetabular Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
OSWR0JZ	Revision of Synthetic Substitute in Right Hip Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
OSWR3JZ	Revision of Synthetic Substitute in Right Hip Joint, Femoral Surface, Percutaneous Approach	ICD-10-CM	Procedure
OSWR4JZ	Revision of Synthetic Substitute in Right Hip Joint, Femoral Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
OSWS0JZ	Revision of Synthetic Substitute in Left Hip Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
OSWS3JZ	Revision of Synthetic Substitute in Left Hip Joint, Femoral Surface, Percutaneous Approach	ICD-10-CM	Procedure
OSWS4JZ	Revision of Synthetic Substitute in Left Hip Joint, Femoral Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
OSWT0JZ	Revision of Synthetic Substitute in Right Knee Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
OSWT3JZ	Revision of Synthetic Substitute in Right Knee Joint, Femoral Surface, Percutaneous Approach	ICD-10-CM	Procedure
OSWT4JZ	Revision of Synthetic Substitute in Right Knee Joint, Femoral Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
OSWU0JZ	Revision of Synthetic Substitute in Left Knee Joint, Femoral Surface, Open Approach	ICD-10-CM	Procedure
OSWU3JZ	Revision of Synthetic Substitute in Left Knee Joint, Femoral Surface, Percutaneous Approach	ICD-10-CM	Procedure
OSWU4JZ	Revision of Synthetic Substitute in Left Knee Joint, Femoral Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
OSWV0JZ	Revision of Synthetic Substitute in Right Knee Joint, Tibial Surface, Open Approach	ICD-10-CM	Procedure
OSWV3JZ	Revision of Synthetic Substitute in Right Knee Joint, Tibial Surface, Percutaneous Approach	ICD-10-CM	Procedure
OSWV4JZ	Revision of Synthetic Substitute in Right Knee Joint, Tibial Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
OSWW0JZ	Revision of Synthetic Substitute in Left Knee Joint, Tibial Surface, Open Approach	ICD-10-CM	Procedure
OSWW3JZ	Revision of Synthetic Substitute in Left Knee Joint, Tibial Surface, Percutaneous Approach	ICD-10-CM	Procedure
OSWW4JZ	Revision of Synthetic Substitute in Left Knee Joint, Tibial Surface, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0Y670ZZ	Detachment at Right Femoral Region, Open Approach	ICD-10-CM	Procedure
0Y680ZZ	Detachment at Left Femoral Region, Open Approach	ICD-10-CM	Procedure
0Y6F0ZZ	Detachment at Right Knee Region, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0Y6G0ZZ	Detachment at Left Knee Region, Open Approach	ICD-10-CM	Procedure
27075	Radical resection of tumor; wing of ilium, 1 pubic or ischial ramus or symphysis pubis	CPT-4	Procedure
27076	Radical resection of tumor; ilium, including acetabulum, both pubic rami, or ischium and acetabulum	CPT-4	Procedure
27077	Radical resection of tumor; innominate bone, total	CPT-4	Procedure
27078	Radical resection of tumor; ischial tuberosity and greater trochanter of femur	CPT-4	Procedure
27079	Radical resection of tumor or infection; ischial tuberosity and greater trochanter of femur, with skin flaps	CPT-4	Procedure
27130	Arthroplasty, acetabular and proximal femoral prosthetic replacement (total hip arthroplasty), with or without autograft or allograft	CPT-4	Procedure
27131	Arthroplasty, Acetabular And Proximal Femoral	CPT-4	Procedure
27132	Conversion of previous hip surgery to total hip arthroplasty, with or without autograft or allograft	CPT-4	Procedure
27134	Revision of total hip arthroplasty; both components, with or without autograft or allograft	CPT-4	Procedure
27135	Secondary Reconstruction Or Revision Of	CPT-4	Procedure
27137	Revision of total hip arthroplasty; acetabular component only, with or without autograft or allograft	CPT-4	Procedure
27138	Revision of total hip arthroplasty; femoral component only, with or without allograft	CPT-4	Procedure
27218	Open treatment of posterior pelvic bone fracture and/or dislocation, for fracture patterns that disrupt the pelvic ring, unilateral, includes internal fixation, when performed (includes ipsilateral ilium, sacroiliac joint and/or sacrum)	CPT-4	Procedure
27226	Open treatment of posterior or anterior acetabular wall fracture, with internal fixation	CPT-4	Procedure
27227	Open treatment of acetabular fracture(s) involving anterior or posterior (one) column, or a fracture running transversely across the acetabulum, with internal fixation	CPT-4	Procedure
27228	Open treatment of acetabular fracture(s) involving anterior and posterior (two) columns, includes T-fracture and both column fracture with complete articular detachment, or single column or transverse fracture with associated acetabular wall fracture, with internal fixation	CPT-4	Procedure
27253	Open treatment of hip dislocation, traumatic, without internal fixation	CPT-4	Procedure
27258	Open treatment of spontaneous hip dislocation (developmental, including congenital or pathological), replacement of femoral head in acetabulum (including tenotomy, etc);	CPT-4	Procedure
27259	Open treatment of spontaneous hip dislocation (developmental, including congenital or pathological), replacement of femoral head in acetabulum (including tenotomy, etc); with femoral shaft shortening	CPT-4	Procedure
27299	Unlisted procedure, pelvis or hip joint	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
27447	Arthroplasty, knee, condyle and plateau; medial AND lateral compartments with or without patella resurfacing (total knee arthroplasty)	CPT-4	Procedure
27486	Revision of total knee arthroplasty, with or without allograft; 1 component	CPT-4	Procedure
27487	Revision of total knee arthroplasty, with or without allograft; femoral and entire tibial component	CPT-4	Procedure
29861	Arthroscopy, hip, surgical; with removal of loose body or foreign body	CPT-4	Procedure
29862	Arthroscopy, hip, surgical; with debridement/shaving of articular cartilage (chondroplasty), abrasion arthroplasty, and/or resection of labrum	CPT-4	Procedure
29863	Arthroscopy, hip, surgical; with synovectomy	CPT-4	Procedure
3E0R0AZ	Introduction of Embryonic Stem Cells into Spinal Canal, Open Approach	ICD-10-CM	Procedure
3E0R0E0	Introduction of Autologous Somatic Stem Cells into Spinal Canal, Open Approach	ICD-10-CM	Procedure
3E0R0E1	Introduction of Nonautologous Somatic Stem Cells into Spinal Canal, Open Approach	ICD-10-CM	Procedure
3E0R33Z	Introduction of Anti-inflammatory into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R36Z	Introduction of Nutritional Substance into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R37Z	Introduction of Electrolytic and Water Balance Substance into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3AZ	Introduction of Embryonic Stem Cells into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3BZ	Introduction of Local Anesthetic into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3CZ	Introduction of Regional Anesthetic into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3E0	Introduction of Autologous Somatic Stem Cells into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3E1	Introduction of Nonautologous Somatic Stem Cells into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3GC	Introduction of Other Therapeutic Substance into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3HZ	Introduction of Radioactive Substance into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3KZ	Introduction of Other Diagnostic Substance into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3NZ	Introduction of Analgesics, Hypnotics, Sedatives into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R3SF	Introduction of Other Gas into Spinal Canal, Percutaneous Approach	ICD-10-CM	Procedure
3E0R7SF	Introduction of Other Gas into Spinal Canal, Via Natural or Artificial Opening	ICD-10-CM	Procedure
3E0S33Z	Introduction of Anti-inflammatory into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S36Z	Introduction of Nutritional Substance into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S37Z	Introduction of Electrolytic and Water Balance Substance into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S3BZ	Introduction of Local Anesthetic into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S3CZ	Introduction of Regional Anesthetic into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
3E0S3GC	Introduction of Other Therapeutic Substance into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S3HZ	Introduction of Radioactive Substance into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S3KZ	Introduction of Other Diagnostic Substance into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S3NZ	Introduction of Analgesics, Hypnotics, Sedatives into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S3SF	Introduction of Other Gas into Epidural Space, Percutaneous Approach	ICD-10-CM	Procedure
3E0S7SF	Introduction of Other Gas into Epidural Space, Via Natural or Artificial Opening	ICD-10-CM	Procedure
43644	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and Roux-en-Y gastroenterostomy (roux limb 150 cm or less)	CPT-4	Procedure
43645	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and small intestine reconstruction to limit absorption	CPT-4	Procedure
43800	Pyloroplasty	CPT-4	Procedure
43810	Gastroduodenostomy	CPT-4	Procedure
43820	Gastrojejunostomy; without vagotomy	CPT-4	Procedure
43825	Gastrojejunostomy; with vagotomy, any type	CPT-4	Procedure
43830	Gastrostomy, open; without construction of gastric tube (eg, Stamm procedure) (separate procedure)	CPT-4	Procedure
43831	Gastrostomy, open; neonatal, for feeding	CPT-4	Procedure
43832	Gastrostomy, open; with construction of gastric tube (eg, Janeway procedure)	CPT-4	Procedure
43834	Gastrostomy, Endoscopic Percutaneous	CPT-4	Procedure
43840	Gastrorrhaphy, suture of perforated duodenal or gastric ulcer, wound, or injury	CPT-4	Procedure
43842	Gastric restrictive procedure, without gastric bypass, for morbid obesity; vertical-banded gastroplasty	CPT-4	Procedure
43843	Gastric restrictive procedure, without gastric bypass, for morbid obesity; other than vertical-banded gastroplasty	CPT-4	Procedure
43844	GASTRIC BYPASS NOT ROUX-EN-Y GASTROENTEROSTOMY	CPT-4	Procedure
43845	Gastric restrictive procedure with partial gastrectomy, pylorus-preserving duodenoileostomy and ileoileostomy (50 to 100 cm common channel) to limit absorption (biliopancreatic diversion with duodenal switch)	CPT-4	Procedure
43846	Gastric restrictive procedure, with gastric bypass for morbid obesity; with short limb (150 cm or less) Roux-en-Y gastroenterostomy	CPT-4	Procedure
43847	Gastric restrictive procedure, with gastric bypass for morbid obesity; with small intestine reconstruction to limit absorption	CPT-4	Procedure
43848	Revision, open, of gastric restrictive procedure for morbid obesity, other than adjustable gastric restrictive device (separate procedure)	CPT-4	Procedure
43850	Revision of gastroduodenal anastomosis (gastroduodenostomy) with reconstruction; without vagotomy	CPT-4	Procedure
43855	Revision of gastroduodenal anastomosis (gastroduodenostomy) with reconstruction; with vagotomy	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
43860	Revision of gastrojejunal anastomosis (gastrojejunostomy) with reconstruction, with or without partial gastrectomy or intestine resection; without vagotomy	CPT-4	Procedure
43865	Revision of gastrojejunal anastomosis (gastrojejunostomy) with reconstruction, with or without partial gastrectomy or intestine resection; with vagotomy	CPT-4	Procedure
43870	Closure of gastrostomy, surgical	CPT-4	Procedure
43880	Closure of gastrocolic fistula	CPT-4	Procedure
43881	Implantation or replacement of gastric neurostimulator electrodes, antrum, open	CPT-4	Procedure
49570	Repair epigastric hernia (eg, preperitoneal fat); reducible (separate procedure)	CPT-4	Procedure
49572	Repair epigastric hernia (eg, preperitoneal fat); incarcerated or strangulated	CPT-4	Procedure
49575	REPAIR EPIGASTRIC HERNIA,PROPERITONEAL FAT;COMPX	CPT-4	Procedure
50010	Renal exploration, not necessitating other specific procedures	CPT-4	Procedure
50020	Drainage of perirenal or renal abscess, open	CPT-4	Procedure
50021	Drainage of perirenal or renal abscess; percutaneous	CPT-4	Procedure
50040	Nephrostomy, nephrotomy with drainage	CPT-4	Procedure
50045	Nephrotomy, with exploration	CPT-4	Procedure
50070	Nephrolithotomy; complicated by congenital kidney abnormality	CPT-4	Procedure
50100	Transection or repositioning of aberrant renal vessels (separate procedure)	CPT-4	Procedure
50120	Pyelotomy; with exploration	CPT-4	Procedure
50125	Pyelotomy; with drainage, pyelostomy	CPT-4	Procedure
50130	Pyelotomy; with removal of calculus (pyelolithotomy, pelviolithotomy, including coagulum pyelolithotomy)	CPT-4	Procedure
50135	Pyelotomy; complicated (eg, secondary operation, congenital kidney abnormality)	CPT-4	Procedure
50205	Renal biopsy; by surgical exposure of kidney	CPT-4	Procedure
50220	Nephrectomy, including partial ureterectomy, any open approach including rib resection;	CPT-4	Procedure
50225	Nephrectomy, including partial ureterectomy, any open approach including rib resection; complicated because of previous surgery on same kidney	CPT-4	Procedure
50230	Nephrectomy, including partial ureterectomy, any open approach including rib resection; radical, with regional lymphadenectomy and/or vena caval thrombectomy	CPT-4	Procedure
50234	Nephrectomy with total ureterectomy and bladder cuff; through same incision	CPT-4	Procedure
50236	Nephrectomy with total ureterectomy and bladder cuff; through separate incision	CPT-4	Procedure
50240	Nephrectomy, partial	CPT-4	Procedure
50250	Ablation, open, 1 or more renal mass lesion(s), cryosurgical, including intraoperative ultrasound guidance and monitoring, if performed	CPT-4	Procedure
50280	Excision or unroofing of cyst(s) of kidney	CPT-4	Procedure
50290	Excision of perinephric cyst	CPT-4	Procedure
50320	Donor nephrectomy (including cold preservation); open, from living donor	CPT-4	Procedure

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Code	Description	Code Type	Code Category
50323	Backbench standard preparation of cadaver donor renal allograft prior to transplantation, including dissection and removal of perinephric fat, diaphragmatic and retroperitoneal attachments, excision of adrenal gland, and preparation of ureter(s), renal vein(s), and renal artery(s), ligating branches, as necessary	CPT-4	Procedure
50325	Backbench standard preparation of living donor renal allograft (open or laparoscopic) prior to transplantation, including dissection and removal of perinephric fat and preparation of ureter(s), renal vein(s), and renal artery(s), ligating branches, as necessary	CPT-4	Procedure
50327	Backbench reconstruction of cadaver or living donor renal allograft prior to transplantation; venous anastomosis, each	CPT-4	Procedure
50328	Backbench reconstruction of cadaver or living donor renal allograft prior to transplantation; arterial anastomosis, each	CPT-4	Procedure
50329	Backbench reconstruction of cadaver or living donor renal allograft prior to transplantation; ureteral anastomosis, each	CPT-4	Procedure
50340	Recipient nephrectomy (separate procedure)	CPT-4	Procedure
50370	Removal of transplanted renal allograft	CPT-4	Procedure
50382	Removal (via snare/capture) and replacement of internally dwelling ureteral stent via percutaneous approach, including radiological supervision and interpretation	CPT-4	Procedure
50384	Removal (via snare/capture) of internally dwelling ureteral stent via percutaneous approach, including radiological supervision and interpretation	CPT-4	Procedure
50400	Pyeloplasty (Foley Y-pyeloplasty), plastic operation on renal pelvis, with or without plastic operation on ureter, nephropexy, nephrostomy, pyelostomy, or ureteral splinting; simple	CPT-4	Procedure
50405	Pyeloplasty (Foley Y-pyeloplasty), plastic operation on renal pelvis, with or without plastic operation on ureter, nephropexy, nephrostomy, pyelostomy, or ureteral splinting; complicated (congenital kidney abnormality, secondary pyeloplasty, solitary kidney, calyccoplasty)	CPT-4	Procedure
50430	Injection procedure for antegrade nephrostogram and/or ureterogram, complete diagnostic procedure including imaging guidance (eg, ultrasound and fluoroscopy) and all associated radiological supervision and interpretation; new access	CPT-4	Procedure
50431	Injection procedure for antegrade nephrostogram and/or ureterogram, complete diagnostic procedure including imaging guidance (eg, ultrasound and fluoroscopy) and all associated radiological supervision and interpretation; existing access	CPT-4	Procedure
50432	Placement of nephrostomy catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
50433	Placement of nephroureteral catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation, new access	CPT-4	Procedure
50434	Convert nephrostomy catheter to nephroureteral catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation, via pre-existing nephrostomy tract	CPT-4	Procedure
50435	Exchange nephrostomy catheter, percutaneous, including diagnostic nephrostogram and/or ureterogram when performed, imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation	CPT-4	Procedure
50500	Nephrorrhaphy, suture of kidney wound or injury	CPT-4	Procedure
50520	Closure of nephrocutaneous or pyelocutaneous fistula	CPT-4	Procedure
50525	Closure of nephrovisceral fistula (eg, renocolic), including visceral repair; abdominal approach	CPT-4	Procedure
50526	Closure of nephrovisceral fistula (eg, renocolic), including visceral repair; thoracic approach	CPT-4	Procedure
50540	Symphysiotomy for horseshoe kidney with or without pyeloplasty and/or other plastic procedure, unilateral or bilateral (1 operation)	CPT-4	Procedure
50593	Ablation, renal tumor(s), unilateral, percutaneous, cryotherapy	CPT-4	Procedure
50600	Ureterotomy with exploration or drainage (separate procedure)	CPT-4	Procedure
50605	Ureterotomy for insertion of indwelling stent, all types	CPT-4	Procedure
50606	Endoluminal biopsy of ureter and/or renal pelvis, non-endoscopic, including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)	CPT-4	Procedure
50610	Ureterolithotomy; upper one-third of ureter	CPT-4	Procedure
50620	Ureterolithotomy; middle one-third of ureter	CPT-4	Procedure
50630	Ureterolithotomy; lower one-third of ureter	CPT-4	Procedure
50650	Ureterectomy, with bladder cuff (separate procedure)	CPT-4	Procedure
50660	Ureterectomy, total, ectopic ureter, combination abdominal, vaginal and/or perineal approach	CPT-4	Procedure
50700	Ureteroplasty, plastic operation on ureter (eg, stricture)	CPT-4	Procedure
50705	Ureteral embolization or occlusion, including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)	CPT-4	Procedure
50706	Balloon dilation, ureteral stricture, including imaging guidance (eg, ultrasound and/or fluoroscopy) and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)	CPT-4	Procedure
50715	Ureterolysis, with or without repositioning of ureter for retroperitoneal fibrosis	CPT-4	Procedure
50716	Ureterolysis, With Or Without Repositioning Of Ureter For	CPT-4	Procedure
50722	Ureterolysis for ovarian vein syndrome	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
50725	Ureterolysis for retrocaval ureter, with reanastomosis of upper urinary tract or vena cava	CPT-4	Procedure
50727	Revision of urinary-cutaneous anastomosis (any type urostomy);	CPT-4	Procedure
50728	Revision of urinary-cutaneous anastomosis (any type urostomy); with repair of fascial defect and hernia	CPT-4	Procedure
50740	Ureteropyelostomy, anastomosis of ureter and renal pelvis	CPT-4	Procedure
50750	Ureterocalycostomy, anastomosis of ureter to renal calyx	CPT-4	Procedure
50760	Ureteroureterostomy	CPT-4	Procedure
50770	Transureteroureterostomy, anastomosis of ureter to contralateral ureter	CPT-4	Procedure
50780	Ureteroneocystostomy; anastomosis of single ureter to bladder	CPT-4	Procedure
50781	Ureteroneocystostomy, Anastomosis Of Ureter To Bladder,	CPT-4	Procedure
50782	Ureteroneocystostomy; anastomosis of duplicated ureter to bladder	CPT-4	Procedure
50783	Ureteroneocystostomy; with extensive ureteral tailoring	CPT-4	Procedure
50785	Ureteroneocystostomy; with vesico-psoas hitch or bladder flap	CPT-4	Procedure
50786	Ureteroneocystostomy, With Bladder Flap	CPT-4	Procedure
50800	Ureteroenterostomy, direct anastomosis of ureter to intestine	CPT-4	Procedure
50801	Ureteroenterostomy, Direct Anastomosis Of Ureter To Intestine	CPT-4	Procedure
50810	Ureterosigmoidostomy, with creation of sigmoid bladder and establishment of abdominal or perineal colostomy, including intestine anastomosis	CPT-4	Procedure
50815	Ureterocolon conduit, including intestine anastomosis	CPT-4	Procedure
50816	Ureterocolon Conduit, Including Bowel Anastomosis	CPT-4	Procedure
50820	Ureteroileal conduit (ileal bladder), including intestine anastomosis (Bricker operation)	CPT-4	Procedure
50821	Ureteroileal Conduit (ileal Bladder), Including Bowel	CPT-4	Procedure
50825	Continent diversion, including intestine anastomosis using any segment of small and/or large intestine (Kock pouch or Camey enterocystoplasty)	CPT-4	Procedure
50830	Urinary undiversion (eg, taking down of ureteroileal conduit, ureterosigmoidostomy or ureteroenterostomy with ureteroureterostomy or ureteroneocystostomy)	CPT-4	Procedure
50840	Replacement of all or part of ureter by intestine segment, including intestine anastomosis	CPT-4	Procedure
50841	Replacement Of All Or Part Of Ureter By Bowel Segment, Including	CPT-4	Procedure
50845	Cutaneous appendico-vesicostomy	CPT-4	Procedure
50860	Ureterostomy, transplantation of ureter to skin	CPT-4	Procedure
50861	Ureterostomy, Transplantation Of Ureter To Skin	CPT-4	Procedure
50900	Ureterorrhaphy, suture of ureter (separate procedure)	CPT-4	Procedure
50920	Closure of ureterocutaneous fistula	CPT-4	Procedure
50930	Closure of ureterovisceral fistula (including visceral repair)	CPT-4	Procedure
50940	Deligation of ureter	CPT-4	Procedure
51020	Cystotomy or cystostomy; with fulguration and/or insertion of radioactive material	CPT-4	Procedure
51030	Cystotomy or cystostomy; with cryosurgical destruction of intravesical lesion	CPT-4	Procedure
51040	Cystostomy, cystotomy with drainage	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
51080	Drainage of perivesical or prevesical space abscess	CPT-4	Procedure
53000	Urethrotomy or urethrostomy, external (separate procedure); pendulous urethra	CPT-4	Procedure
53010	Urethrotomy or urethrostomy, external (separate procedure); perineal urethra, external	CPT-4	Procedure
53020	Meatotomy, cutting of meatus (separate procedure); except infant	CPT-4	Procedure
53025	Meatotomy, cutting of meatus (separate procedure); infant	CPT-4	Procedure
53040	Drainage of deep periurethral abscess	CPT-4	Procedure
53060	Drainage of Skene's gland abscess or cyst	CPT-4	Procedure
53080	Drainage of perineal urinary extravasation; uncomplicated (separate procedure)	CPT-4	Procedure
53085	Drainage of perineal urinary extravasation; complicated	CPT-4	Procedure
53210	Urethrectomy, total, including cystostomy; female	CPT-4	Procedure
53215	Urethrectomy, total, including cystostomy; male	CPT-4	Procedure
53220	Excision or fulguration of carcinoma of urethra	CPT-4	Procedure
53230	Excision of urethral diverticulum (separate procedure); female	CPT-4	Procedure
53235	Excision of urethral diverticulum (separate procedure); male	CPT-4	Procedure
53240	Marsupialization of urethral diverticulum, male or female	CPT-4	Procedure
53250	Excision of bulbourethral gland (Cowper's gland)	CPT-4	Procedure
53260	Excision or fulguration; urethral polyp(s), distal urethra	CPT-4	Procedure
53265	Excision or fulguration; urethral caruncle	CPT-4	Procedure
53270	Excision or fulguration; Skene's glands	CPT-4	Procedure
53275	Excision or fulguration; urethral prolapse	CPT-4	Procedure
53400	Urethroplasty; first stage, for fistula, diverticulum, or stricture (eg, Johanssen type)	CPT-4	Procedure
53405	Urethroplasty; second stage (formation of urethra), including urinary diversion	CPT-4	Procedure
53410	Urethroplasty, 1-stage reconstruction of male anterior urethra	CPT-4	Procedure
53415	Urethroplasty, transpubic or perineal, 1-stage, for reconstruction or repair of prostatic or membranous urethra	CPT-4	Procedure
53420	Urethroplasty, 2-stage reconstruction or repair of prostatic or membranous urethra; first stage	CPT-4	Procedure
53425	Urethroplasty, 2-stage reconstruction or repair of prostatic or membranous urethra; second stage	CPT-4	Procedure
53430	Urethroplasty, reconstruction of female urethra	CPT-4	Procedure
53431	Urethroplasty with tubularization of posterior urethra and/or lower bladder for incontinence (eg, Tenago, Leadbetter procedure)	CPT-4	Procedure
53440	Sling operation for correction of male urinary incontinence (eg, fascia or synthetic)	CPT-4	Procedure
53442	Removal or revision of sling for male urinary incontinence (eg, fascia or synthetic)	CPT-4	Procedure
53443	Urethroplasty with tubularization of posterior urethra and/or lower bladder for incontinence (eg, Tenago, Leadbetter procedure)	CPT-4	Procedure
53444	Insertion of tandem cuff (dual cuff)	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
53445	Insertion of inflatable urethral/bladder neck sphincter, including placement of pump, reservoir, and cuff	CPT-4	Procedure
53446	Removal of inflatable urethral/bladder neck sphincter, including pump, reservoir, and cuff	CPT-4	Procedure
53447	Removal and replacement of inflatable urethral/bladder neck sphincter including pump, reservoir, and cuff at the same operative session	CPT-4	Procedure
53448	Removal and replacement of inflatable urethral/bladder neck sphincter including pump, reservoir, and cuff through an infected field at the same operative session including irrigation and debridement of infected tissue	CPT-4	Procedure
53449	Repair of inflatable urethral/bladder neck sphincter, including pump, reservoir, and cuff	CPT-4	Procedure
53450	Urethromeatoplasty, with mucosal advancement	CPT-4	Procedure
53460	Urethromeatoplasty, with partial excision of distal urethral segment (Richardson type procedure)	CPT-4	Procedure
53500	Urethrolisis, transvaginal, secondary, open, including cystourethroscopy (eg, postsurgical obstruction, scarring)	CPT-4	Procedure
53502	Urethrorrhaphy, suture of urethral wound or injury, female	CPT-4	Procedure
53505	Urethrorrhaphy, suture of urethral wound or injury; penile	CPT-4	Procedure
53510	Urethrorrhaphy, suture of urethral wound or injury; perineal	CPT-4	Procedure
53515	Urethrorrhaphy, suture of urethral wound or injury; prostatomembranous	CPT-4	Procedure
53520	Closure of urethrostomy or urethrocutaneous fistula, male (separate procedure)	CPT-4	Procedure
53855	Insertion of a temporary prostatic urethral stent, including urethral measurement	CPT-4	Procedure
56620	Vulvectomy simple; partial	CPT-4	Procedure
56625	Vulvectomy simple; complete	CPT-4	Procedure
56630	Vulvectomy, radical, partial;	CPT-4	Procedure
56631	Vulvectomy, radical, partial; with unilateral inguinofemoral lymphadenectomy	CPT-4	Procedure
56632	Vulvectomy, radical, partial; with bilateral inguinofemoral lymphadenectomy	CPT-4	Procedure
56633	Vulvectomy, radical, complete;	CPT-4	Procedure
56634	Vulvectomy, radical, complete; with unilateral inguinofemoral lymphadenectomy	CPT-4	Procedure
56635	Vulvectomy, Radical; With Inguinofemoral Lymphadenectomy	CPT-4	Procedure
56636	Vulvectomy, Radical	CPT-4	Procedure
56637	Vulvectomy, radical, complete; with bilateral inguinofemoral lymphadenectomy	CPT-4	Procedure
56640	Vulvectomy, radical, complete, with inguinofemoral, iliac, and pelvic lymphadenectomy	CPT-4	Procedure
56641	Vulvectomy, Radical, With Inguinofemoral, Iliac,	CPT-4	Procedure
56680	Clitoridectomy; Simple	CPT-4	Procedure
56685	Clitoridectomy; Extensive	CPT-4	Procedure
56700	Partial hymenectomy or revision of hymenal ring	CPT-4	Procedure
56710	Plastic Revision Of Hymen	CPT-4	Procedure
56720	Hymenotomy, simple incision	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
56740	Excision of Bartholin's gland or cyst	CPT-4	Procedure
56800	Plastic repair of introitus	CPT-4	Procedure
56805	Clitoroplasty for intersex state	CPT-4	Procedure
56810	Perineoplasty, repair of perineum, nonobstetrical (separate procedure)	CPT-4	Procedure
57000	Colpotomy; with exploration	CPT-4	Procedure
57010	Colpotomy; with drainage of pelvic abscess	CPT-4	Procedure
57020	Colpocentesis (separate procedure)	CPT-4	Procedure
57022	Incision and drainage of vaginal hematoma; obstetrical/postpartum	CPT-4	Procedure
57023	Incision and drainage of vaginal hematoma; non-obstetrical (eg, post-trauma, spontaneous bleeding)	CPT-4	Procedure
57050	Cryosurgery Of Vagina	CPT-4	Procedure
57057	Laser Surgery Of Vagina	CPT-4	Procedure
57060	Electrocautery Of Vagina	CPT-4	Procedure
57061	Destruction of vaginal lesion(s); simple (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery)	CPT-4	Procedure
57063	Chemical Cautery Of Vagina	CPT-4	Procedure
57065	Destruction of vaginal lesion(s); extensive (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery)	CPT-4	Procedure
57100	Biopsy of vaginal mucosa; simple (separate procedure)	CPT-4	Procedure
57105	Biopsy of vaginal mucosa; extensive, requiring suture (including cysts)	CPT-4	Procedure
57106	Vaginectomy, partial removal of vaginal wall;	CPT-4	Procedure
57107	Vaginectomy, partial removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy)	CPT-4	Procedure
57108	COLPECTOMY OBLIT VAG; PART	CPT-4	Procedure
57109	Vaginectomy, partial removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy) with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy)	CPT-4	Procedure
57110	Vaginectomy, complete removal of vaginal wall;	CPT-4	Procedure
57111	Vaginectomy, complete removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy)	CPT-4	Procedure
57112	Vaginectomy, complete removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy) with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy)	CPT-4	Procedure
57120	Colpocleisis (Le Fort type)	CPT-4	Procedure
57130	Excision of vaginal septum	CPT-4	Procedure
57135	Excision of vaginal cyst or tumor	CPT-4	Procedure
57150	Irrigation of vagina and/or application of medicament for treatment of bacterial, parasitic, or fungoid disease	CPT-4	Procedure
57155	Insertion of uterine tandem and/or vaginal ovoids for clinical brachytherapy	CPT-4	Procedure
57156	Insertion of a vaginal radiation afterloading apparatus for clinical brachytherapy	CPT-4	Procedure
57160	Fitting and insertion of pessary or other intravaginal support device	CPT-4	Procedure
57170	Diaphragm or cervical cap fitting with instructions	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
57180	Introduction of any hemostatic agent or pack for spontaneous or traumatic nonobstetrical vaginal hemorrhage (separate procedure)	CPT-4	Procedure
57200	Colporrhaphy, suture of injury of vagina (nonobstetrical)	CPT-4	Procedure
57210	Colpoperineorrhaphy, suture of injury of vagina and/or perineum (nonobstetrical)	CPT-4	Procedure
57220	Plastic operation on urethral sphincter, vaginal approach (eg, Kelly urethral plication)	CPT-4	Procedure
57230	Plastic repair of urethrocele	CPT-4	Procedure
57240	Anterior colporrhaphy, repair of cystocele with or without repair of urethrocele	CPT-4	Procedure
57250	Posterior colporrhaphy, repair of rectocele with or without perineorrhaphy	CPT-4	Procedure
57260	Combined anteroposterior colporrhaphy;	CPT-4	Procedure
57265	Combined anteroposterior colporrhaphy; with enterocele repair	CPT-4	Procedure
57267	Insertion of mesh or other prosthesis for repair of pelvic floor defect, each site (anterior, posterior compartment), vaginal approach (List separately in addition to code for primary procedure)	CPT-4	Procedure
57268	Repair of enterocele, vaginal approach (separate procedure)	CPT-4	Procedure
57270	Repair of enterocele, abdominal approach (separate procedure)	CPT-4	Procedure
57280	Colpopexy, abdominal approach	CPT-4	Procedure
57282	Colpopexy, vaginal; extra-peritoneal approach (sacrospinous, iliococcygeus)	CPT-4	Procedure
57283	Colpopexy, vaginal; intra-peritoneal approach (uterosacral, levator myorrhaphy)	CPT-4	Procedure
57284	Paravaginal defect repair (including repair of cystocele, if performed); open abdominal approach	CPT-4	Procedure
57285	Paravaginal defect repair (including repair of cystocele, if performed); vaginal approach	CPT-4	Procedure
57287	Removal or revision of sling for stress incontinence (eg, fascia or synthetic)	CPT-4	Procedure
57288	Sling operation for stress incontinence (eg, fascia or synthetic)	CPT-4	Procedure
57289	Pereyra procedure, including anterior colporrhaphy	CPT-4	Procedure
57291	Construction of artificial vagina; without graft	CPT-4	Procedure
57292	Construction of artificial vagina; with graft	CPT-4	Procedure
57295	Revision (including removal) of prosthetic vaginal graft; vaginal approach	CPT-4	Procedure
57296	Revision (including removal) of prosthetic vaginal graft; open abdominal approach	CPT-4	Procedure
57300	Closure of rectovaginal fistula; vaginal or transanal approach	CPT-4	Procedure
57305	Closure of rectovaginal fistula; abdominal approach	CPT-4	Procedure
57307	Closure of rectovaginal fistula; abdominal approach, with concomitant colostomy	CPT-4	Procedure
57308	Closure of rectovaginal fistula; transperineal approach, with perineal body reconstruction, with or without levator plication	CPT-4	Procedure
57310	Closure of urethrovaginal fistula;	CPT-4	Procedure
57311	Closure of urethrovaginal fistula; with bulboavernosus transplant	CPT-4	Procedure
57320	Closure of vesicovaginal fistula; vaginal approach	CPT-4	Procedure
57330	Closure of vesicovaginal fistula; transvesical and vaginal approach	CPT-4	Procedure
57335	Vaginoplasty for intersex state	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
57530	Trachelectomy (cervicectomy), amputation of cervix (separate procedure)	CPT-4	Procedure
57531	Radical trachelectomy, with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling biopsy, with or without removal of tube(s), with or without removal of ovary(s)	CPT-4	Procedure
57540	Excision of cervical stump, abdominal approach;	CPT-4	Procedure
57545	Excision of cervical stump, abdominal approach; with pelvic floor repair	CPT-4	Procedure
57550	Excision of cervical stump, vaginal approach;	CPT-4	Procedure
57555	Excision of cervical stump, vaginal approach; with anterior and/or posterior repair	CPT-4	Procedure
57556	Excision of cervical stump, vaginal approach; with repair of enterocele	CPT-4	Procedure
57720	Trachelorrhaphy, plastic repair of uterine cervix, vaginal approach	CPT-4	Procedure
58140	Myomectomy, excision of fibroid tumor(s) of uterus, 1 to 4 intramural myoma(s) with total weight of 250 g or less and/or removal of surface myomas; abdominal approach	CPT-4	Procedure
58145	Myomectomy, excision of fibroid tumor(s) of uterus, 1 to 4 intramural myoma(s) with total weight of 250 g or less and/or removal of surface myomas; vaginal approach	CPT-4	Procedure
58146	Myomectomy, excision of fibroid tumor(s) of uterus, 5 or more intramural myomas and/or intramural myomas with total weight greater than 250 g, abdominal approach	CPT-4	Procedure
58150	Total abdominal hysterectomy (corpus and cervix), with or without removal of tube(s), with or without removal of ovary(s);	CPT-4	Procedure
58152	Total abdominal hysterectomy (corpus and cervix), with or without removal of tube(s), with or without removal of ovary(s); with colpo-urethrocystopexy (eg, Marshall-Marchetti-Krantz, Burch)	CPT-4	Procedure
58180	Supracervical abdominal hysterectomy (subtotal hysterectomy), with or without removal of tube(s), with or without removal of ovary(s)	CPT-4	Procedure
58200	Total abdominal hysterectomy, including partial vaginectomy, with para-aortic and pelvic lymph node sampling, with or without removal of tube(s), with or without removal of ovary(s)	CPT-4	Procedure
58205	Total Hysterectomy, Extended, Corpus Cancer, Including Partial	CPT-4	Procedure
58210	Radical abdominal hysterectomy, with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy), with or without removal of tube(s), with or without removal of ovary(s)	CPT-4	Procedure
58240	Pelvic exenteration for gynecologic malignancy, with total abdominal hysterectomy or cervicectomy, with or without removal of tube(s), with or without removal of ovary(s), with removal of bladder and ureteral transplantations, and/or abdominoperineal resection of rectum and colon and colostomy, or any combination thereof	CPT-4	Procedure
58260	Vaginal hysterectomy, for uterus 250 g or less;	CPT-4	Procedure
58262	Vaginal hysterectomy, for uterus 250 g or less; with removal of tube(s), and/or ovary(s)	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
58263	Vaginal hysterectomy, for uterus 250 g or less; with removal of tube(s), and/or ovary(s), with repair of enterocele	CPT-4	Procedure
58265	Vaginal Hysterectomy With Plastic Repair Of Vagina, Anterior	CPT-4	Procedure
58267	Vaginal hysterectomy, for uterus 250 g or less; with colpo-urethrocystopexy (Marshall-Marchetti-Krantz type, Pereyra type) with or without endoscopic control	CPT-4	Procedure
58270	Vaginal hysterectomy, for uterus 250 g or less; with repair of enterocele	CPT-4	Procedure
58275	Vaginal hysterectomy, with total or partial vaginectomy;	CPT-4	Procedure
58280	Vaginal hysterectomy, with total or partial vaginectomy; with repair of enterocele	CPT-4	Procedure
58285	Vaginal hysterectomy, radical (Schauta type operation)	CPT-4	Procedure
58290	Vaginal hysterectomy, for uterus greater than 250 g;	CPT-4	Procedure
58291	Vaginal hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s)	CPT-4	Procedure
58292	Vaginal hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s), with repair of enterocele	CPT-4	Procedure
58293	Vaginal hysterectomy, for uterus greater than 250 g; with colpo-urethrocystopexy (Marshall-Marchetti-Krantz type, Pereyra type) with or without endoscopic control	CPT-4	Procedure
58294	Vaginal hysterectomy, for uterus greater than 250 g; with repair of enterocele	CPT-4	Procedure
58400	Uterine suspension, with or without shortening of round ligaments, with or without shortening of sacrouterine ligaments; (separate procedure)	CPT-4	Procedure
58410	Uterine suspension, with or without shortening of round ligaments, with or without shortening of sacrouterine ligaments; with presacral sympathectomy	CPT-4	Procedure
58520	Hysterorrhaphy, repair of ruptured uterus (nonobstetrical)	CPT-4	Procedure
58540	Hysteroplasty, repair of uterine anomaly (Strassman type)	CPT-4	Procedure
58600	Ligation or transection of fallopian tube(s), abdominal or vaginal approach, unilateral or bilateral	CPT-4	Procedure
58605	Ligation or transection of fallopian tube(s), abdominal or vaginal approach, postpartum, unilateral or bilateral, during same hospitalization (separate procedure)	CPT-4	Procedure
58611	Ligation or transection of fallopian tube(s) when done at the time of cesarean delivery or intra-abdominal surgery (not a separate procedure) (List separately in addition to code for primary procedure)	CPT-4	Procedure
58615	Occlusion of fallopian tube(s) by device (eg, band, clip, Falope ring) vaginal or suprapubic approach	CPT-4	Procedure
58700	Salpingectomy, complete or partial, unilateral or bilateral (separate procedure)	CPT-4	Procedure
58720	Salpingo-oophorectomy, complete or partial, unilateral or bilateral (separate procedure)	CPT-4	Procedure
58750	Tubotubal anastomosis	CPT-4	Procedure
58752	Tubouterine implantation	CPT-4	Procedure
58760	Fimbrioplasty	CPT-4	Procedure
58770	Salpingostomy (salpingoneostomy)	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
58820	Drainage of ovarian abscess; vaginal approach, open	CPT-4	Procedure
58822	Drainage of ovarian abscess; abdominal approach	CPT-4	Procedure
58823	Drainage of pelvic abscess, transvaginal or transrectal approach, percutaneous (eg, ovarian, pericolic)	CPT-4	Procedure
58825	Transposition, ovary(s)	CPT-4	Procedure
58920	Wedge resection or bisection of ovary, unilateral or bilateral	CPT-4	Procedure
58925	Ovarian cystectomy, unilateral or bilateral	CPT-4	Procedure
58940	Oophorectomy, partial or total, unilateral or bilateral;	CPT-4	Procedure
58942	Oophorectomy, Partial Or Total, Unilateral Or Bilateral;	CPT-4	Procedure
58943	Oophorectomy, partial or total, unilateral or bilateral; for ovarian, tubal or primary peritoneal malignancy, with para-aortic and pelvic lymph node biopsies, peritoneal washings, peritoneal biopsies, diaphragmatic assessments, with or without salpingectomy(s), with or without omentectomy	CPT-4	Procedure
58945	Oophorectomy, Partial Or Total, Unilateral Or Bilateral;	CPT-4	Procedure
58950	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy;	CPT-4	Procedure
58951	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy; with total abdominal hysterectomy, pelvic and limited para-aortic lymphadenectomy	CPT-4	Procedure
58952	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy; with radical dissection for debulking (ie, radical excision or destruction, intra-abdominal or retroperitoneal tumors)	CPT-4	Procedure
58953	Bilateral salpingo-oophorectomy with omentectomy, total abdominal hysterectomy and radical dissection for debulking;	CPT-4	Procedure
58954	Bilateral salpingo-oophorectomy with omentectomy, total abdominal hysterectomy and radical dissection for debulking; with pelvic lymphadenectomy and limited para-aortic lymphadenectomy	CPT-4	Procedure
58956	Bilateral salpingo-oophorectomy with total omentectomy, total abdominal hysterectomy for malignancy	CPT-4	Procedure
58957	Resection (tumor debulking) of recurrent ovarian, tubal, primary peritoneal, uterine malignancy (intra-abdominal, retroperitoneal tumors), with omentectomy, if performed;	CPT-4	Procedure
58958	Resection (tumor debulking) of recurrent ovarian, tubal, primary peritoneal, uterine malignancy (intra-abdominal, retroperitoneal tumors), with omentectomy, if performed; with pelvic lymphadenectomy and limited para-aortic lymphadenectomy	CPT-4	Procedure
58960	Laparotomy, for staging or restaging of ovarian, tubal, or primary peritoneal malignancy (second look), with or without omentectomy, peritoneal washing, biopsy of abdominal and pelvic peritoneum, diaphragmatic assessment with pelvic and limited para-aortic lymphadenectomy	CPT-4	Procedure
58999	Unlisted procedure, female genital system (nonobstetrical)	CPT-4	Procedure
61320	Craniectomy or craniotomy, drainage of intracranial abscess; supratentorial	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
61321	Craniectomy or craniotomy, drainage of intracranial abscess; infratentorial	CPT-4	Procedure
61546	Craniotomy for hypophysectomy or excision of pituitary tumor, intracranial approach	CPT-4	Procedure
61680	Surgery of intracranial arteriovenous malformation; supratentorial, simple	CPT-4	Procedure
61682	Surgery of intracranial arteriovenous malformation; supratentorial, complex	CPT-4	Procedure
61684	Surgery of intracranial arteriovenous malformation; infratentorial, simple	CPT-4	Procedure
61686	Surgery of intracranial arteriovenous malformation; infratentorial, complex	CPT-4	Procedure
61690	Surgery of intracranial arteriovenous malformation; dural, simple	CPT-4	Procedure
61692	Surgery of intracranial arteriovenous malformation; dural, complex	CPT-4	Procedure
61697	Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation	CPT-4	Procedure
61698	Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation	CPT-4	Procedure
61700	Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation	CPT-4	Procedure
61702	Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation	CPT-4	Procedure
61703	Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type)	CPT-4	Procedure
61705	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery	CPT-4	Procedure
61708	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis	CPT-4	Procedure
61710	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intra-arterial embolization, injection procedure, or balloon catheter	CPT-4	Procedure
62160	Neuroendoscopy, intracranial, for placement or replacement of ventricular catheter and attachment to shunt system or external drainage (List separately in addition to code for primary procedure)	CPT-4	Procedure
62161	Neuroendoscopy, intracranial; with dissection of adhesions, fenestration of septum pellucidum or intraventricular cysts (including placement, replacement, or removal of ventricular catheter)	CPT-4	Procedure
62162	Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage	CPT-4	Procedure
62163	Neuroendoscopy, intracranial; with retrieval of foreign body	CPT-4	Procedure
62164	Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage	CPT-4	Procedure
62165	Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach	CPT-4	Procedure
79.85	Open reduction of dislocation of hip	ICD-9-CM	Procedure
79.86	Open reduction of dislocation of knee	ICD-9-CM	Procedure
80.45	Division of joint capsule, ligament, or cartilage of hip	ICD-9-CM	Procedure
80.46	Division of joint capsule, ligament, or cartilage of knee	ICD-9-CM	Procedure
80.6	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure

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

Code	Description	Code Type	Code Category
80.60	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.61	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.62	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.63	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.64	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.65	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.66	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.67	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.68	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.69	Excision of semilunar cartilage of knee	ICD-9-CM	Procedure
80.85	Other local excision or destruction of lesion of hip joint	ICD-9-CM	Procedure
80.86	Other local excision or destruction of lesion of knee joint	ICD-9-CM	Procedure
80.95	Other excision of hip joint	ICD-9-CM	Procedure
80.96	Other excision of knee joint	ICD-9-CM	Procedure
81.40	Repair of hip, not elsewhere classified	ICD-9-CM	Procedure
81.42	Five-in-one repair of knee	ICD-9-CM	Procedure
81.43	Triad knee repair	ICD-9-CM	Procedure
81.51	Total hip replacement	ICD-9-CM	Procedure
81.52	Partial hip replacement	ICD-9-CM	Procedure
81.53	Revision of hip replacement, not otherwise specified	ICD-9-CM	Procedure
81.54	Total knee replacement	ICD-9-CM	Procedure
81.55	Revision of knee replacement, not otherwise specified	ICD-9-CM	Procedure
84.16	Disarticulation of knee	ICD-9-CM	Procedure
84.18	Disarticulation of hip	ICD-9-CM	Procedure
S2083	Adjustment of gastric band diameter via subcutaneous port by injection or aspiration of saline	HCPCS	Procedure
S2213	Implantation of gastric electrical stimulation device	HCPCS	Procedure
Metastatic Cancer			
196	Secondary and unspecified malignant neoplasm of lymph nodes	ICD-9-CM	Diagnosis
196.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face, and neck	ICD-9-CM	Diagnosis
196.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	ICD-9-CM	Diagnosis
196.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	ICD-9-CM	Diagnosis
196.3	Secondary and unspecified malignant neoplasm of lymph nodes of axilla and upper limb	ICD-9-CM	Diagnosis
196.5	Secondary and unspecified malignant neoplasm of lymph nodes of inguinal region and lower limb	ICD-9-CM	Diagnosis
196.6	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	ICD-9-CM	Diagnosis
196.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple sites	ICD-9-CM	Diagnosis
196.9	Secondary and unspecified malignant neoplasm of lymph nodes, site unspecified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
197	Secondary malignant neoplasm of respiratory and digestive systems	ICD-9-CM	Diagnosis
197.0	Secondary malignant neoplasm of lung	ICD-9-CM	Diagnosis
197.1	Secondary malignant neoplasm of mediastinum	ICD-9-CM	Diagnosis
197.2	Secondary malignant neoplasm of pleura	ICD-9-CM	Diagnosis
197.3	Secondary malignant neoplasm of other respiratory organs	ICD-9-CM	Diagnosis
197.4	Secondary malignant neoplasm of small intestine including duodenum	ICD-9-CM	Diagnosis
197.5	Secondary malignant neoplasm of large intestine and rectum	ICD-9-CM	Diagnosis
197.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	ICD-9-CM	Diagnosis
197.7	Secondary malignant neoplasm of liver	ICD-9-CM	Diagnosis
197.8	Secondary malignant neoplasm of other digestive organs and spleen	ICD-9-CM	Diagnosis
198	Secondary malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
198.0	Secondary malignant neoplasm of kidney	ICD-9-CM	Diagnosis
198.1	Secondary malignant neoplasm of other urinary organs	ICD-9-CM	Diagnosis
198.2	Secondary malignant neoplasm of skin	ICD-9-CM	Diagnosis
198.3	Secondary malignant neoplasm of brain and spinal cord	ICD-9-CM	Diagnosis
198.4	Secondary malignant neoplasm of other parts of nervous system	ICD-9-CM	Diagnosis
198.5	Secondary malignant neoplasm of bone and bone marrow	ICD-9-CM	Diagnosis
198.6	Secondary malignant neoplasm of ovary	ICD-9-CM	Diagnosis
198.7	Secondary malignant neoplasm of adrenal gland	ICD-9-CM	Diagnosis
198.8	Secondary malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
198.81	Secondary malignant neoplasm of breast	ICD-9-CM	Diagnosis
198.82	Secondary malignant neoplasm of genital organs	ICD-9-CM	Diagnosis
198.89	Secondary malignant neoplasm of other specified sites	ICD-9-CM	Diagnosis
199	Malignant neoplasm without specification of site	ICD-9-CM	Diagnosis
199.0	Disseminated malignant neoplasm	ICD-9-CM	Diagnosis
199.1	Other malignant neoplasm of unspecified site	ICD-9-CM	Diagnosis
199.2	Malignant neoplasm associated with transplanted organ	ICD-9-CM	Diagnosis
C45.9	Mesothelioma, unspecified	ICD-10-CM	Diagnosis
C77.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck	ICD-10-CM	Diagnosis
C77.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	ICD-10-CM	Diagnosis
C77.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	ICD-10-CM	Diagnosis
C77.3	Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes	ICD-10-CM	Diagnosis
C77.4	Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes	ICD-10-CM	Diagnosis
C77.5	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	ICD-10-CM	Diagnosis
C77.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions	ICD-10-CM	Diagnosis
C77.9	Secondary and unspecified malignant neoplasm of lymph node, unspecified	ICD-10-CM	Diagnosis
C78.00	Secondary malignant neoplasm of unspecified lung	ICD-10-CM	Diagnosis
C78.01	Secondary malignant neoplasm of right lung	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
C78.02	Secondary malignant neoplasm of left lung	ICD-10-CM	Diagnosis
C78.1	Secondary malignant neoplasm of mediastinum	ICD-10-CM	Diagnosis
C78.2	Secondary malignant neoplasm of pleura	ICD-10-CM	Diagnosis
C78.30	Secondary malignant neoplasm of unspecified respiratory organ	ICD-10-CM	Diagnosis
C78.39	Secondary malignant neoplasm of other respiratory organs	ICD-10-CM	Diagnosis
C78.4	Secondary malignant neoplasm of small intestine	ICD-10-CM	Diagnosis
C78.5	Secondary malignant neoplasm of large intestine and rectum	ICD-10-CM	Diagnosis
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	ICD-10-CM	Diagnosis
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct	ICD-10-CM	Diagnosis
C78.80	Secondary malignant neoplasm of unspecified digestive organ	ICD-10-CM	Diagnosis
C78.89	Secondary malignant neoplasm of other digestive organs	ICD-10-CM	Diagnosis
C79.00	Secondary malignant neoplasm of unspecified kidney and renal pelvis	ICD-10-CM	Diagnosis
C79.01	Secondary malignant neoplasm of right kidney and renal pelvis	ICD-10-CM	Diagnosis
C79.02	Secondary malignant neoplasm of left kidney and renal pelvis	ICD-10-CM	Diagnosis
C79.10	Secondary malignant neoplasm of unspecified urinary organs	ICD-10-CM	Diagnosis
C79.11	Secondary malignant neoplasm of bladder	ICD-10-CM	Diagnosis
C79.19	Secondary malignant neoplasm of other urinary organs	ICD-10-CM	Diagnosis
C79.2	Secondary malignant neoplasm of skin	ICD-10-CM	Diagnosis
C79.31	Secondary malignant neoplasm of brain	ICD-10-CM	Diagnosis
C79.32	Secondary malignant neoplasm of cerebral meninges	ICD-10-CM	Diagnosis
C79.40	Secondary malignant neoplasm of unspecified part of nervous system	ICD-10-CM	Diagnosis
C79.49	Secondary malignant neoplasm of other parts of nervous system	ICD-10-CM	Diagnosis
C79.51	Secondary malignant neoplasm of bone	ICD-10-CM	Diagnosis
C79.52	Secondary malignant neoplasm of bone marrow	ICD-10-CM	Diagnosis
C79.60	Secondary malignant neoplasm of unspecified ovary	ICD-10-CM	Diagnosis
C79.61	Secondary malignant neoplasm of right ovary	ICD-10-CM	Diagnosis
C79.62	Secondary malignant neoplasm of left ovary	ICD-10-CM	Diagnosis
C79.70	Secondary malignant neoplasm of unspecified adrenal gland	ICD-10-CM	Diagnosis
C79.71	Secondary malignant neoplasm of right adrenal gland	ICD-10-CM	Diagnosis
C79.72	Secondary malignant neoplasm of left adrenal gland	ICD-10-CM	Diagnosis
C79.81	Secondary malignant neoplasm of breast	ICD-10-CM	Diagnosis
C79.82	Secondary malignant neoplasm of genital organs	ICD-10-CM	Diagnosis
C79.89	Secondary malignant neoplasm of other specified sites	ICD-10-CM	Diagnosis
C79.9	Secondary malignant neoplasm of unspecified site	ICD-10-CM	Diagnosis
C80.0	Disseminated malignant neoplasm, unspecified	ICD-10-CM	Diagnosis
C80.1	Malignant (primary) neoplasm, unspecified	ICD-10-CM	Diagnosis
C80.2	Malignant neoplasm associated with transplanted organ	ICD-10-CM	Diagnosis
Peripheral Vascular Disease			
440	Atherosclerosis	ICD-9-CM	Diagnosis
440.0	Atherosclerosis of aorta	ICD-9-CM	Diagnosis
440.1	Atherosclerosis of renal artery	ICD-9-CM	Diagnosis
440.2	Atherosclerosis of native arteries of the extremities	ICD-9-CM	Diagnosis
440.20	Atherosclerosis of native arteries of the extremities, unspecified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
440.21	Atherosclerosis of native arteries of the extremities with intermittent claudication	ICD-9-CM	Diagnosis
440.22	Atherosclerosis of native arteries of the extremities with rest pain	ICD-9-CM	Diagnosis
440.23	Atherosclerosis of native arteries of the extremities with ulceration	ICD-9-CM	Diagnosis
440.24	Atherosclerosis of native arteries of the extremities with gangrene	ICD-9-CM	Diagnosis
440.29	Other atherosclerosis of native arteries of the extremities	ICD-9-CM	Diagnosis
440.3	Atherosclerosis of bypass graft of extremities	ICD-9-CM	Diagnosis
440.30	Atherosclerosis of unspecified bypass graft of extremities	ICD-9-CM	Diagnosis
440.31	Atherosclerosis of autologous vein bypass graft of extremities	ICD-9-CM	Diagnosis
440.32	Atherosclerosis of nonautologous biological bypass graft of extremities	ICD-9-CM	Diagnosis
440.4	Chronic total occlusion of artery of the extremities	ICD-9-CM	Diagnosis
440.8	Atherosclerosis of other specified arteries	ICD-9-CM	Diagnosis
440.9	Generalized and unspecified atherosclerosis	ICD-9-CM	Diagnosis
441.2	Thoracic aneurysm without mention of rupture	ICD-9-CM	Diagnosis
441.4	Abdominal aneurysm without mention of rupture	ICD-9-CM	Diagnosis
441.7	Thoracoabdominal aneurysm without mention of rupture	ICD-9-CM	Diagnosis
441.9	Aortic aneurysm of unspecified site without mention of rupture	ICD-9-CM	Diagnosis
443.1	Thromboangiitis obliterans (Buerger's disease)	ICD-9-CM	Diagnosis
443.2	Other arterial dissection	ICD-9-CM	Diagnosis
443.21	Dissection of carotid artery	ICD-9-CM	Diagnosis
443.22	Dissection of iliac artery	ICD-9-CM	Diagnosis
443.23	Dissection of renal artery	ICD-9-CM	Diagnosis
443.24	Dissection of vertebral artery	ICD-9-CM	Diagnosis
443.29	Dissection of other artery	ICD-9-CM	Diagnosis
443.8	Other specified peripheral vascular diseases	ICD-9-CM	Diagnosis
443.81	Peripheral angiopathy in diseases classified elsewhere	ICD-9-CM	Diagnosis
443.82	Erythromelalgia	ICD-9-CM	Diagnosis
443.89	Other peripheral vascular disease	ICD-9-CM	Diagnosis
443.9	Unspecified peripheral vascular disease	ICD-9-CM	Diagnosis
447.1	Stricture of artery	ICD-9-CM	Diagnosis
557.1	Chronic vascular insufficiency of intestine	ICD-9-CM	Diagnosis
557.9	Unspecified vascular insufficiency of intestine	ICD-9-CM	Diagnosis
V43.4	Blood vessel replaced by other means	ICD-9-CM	Diagnosis
E08.51	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E09.51	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E09.52	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	ICD-10-CM	Diagnosis
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	ICD-10-CM	Diagnosis
I67.0	Dissection of cerebral arteries, nonruptured	ICD-10-CM	Diagnosis
I70.0	Atherosclerosis of aorta	ICD-10-CM	Diagnosis
I70.1	Atherosclerosis of renal artery	ICD-10-CM	Diagnosis
I70.201	Unspecified atherosclerosis of native arteries of extremities, right leg	ICD-10-CM	Diagnosis
I70.202	Unspecified atherosclerosis of native arteries of extremities, left leg	ICD-10-CM	Diagnosis
I70.203	Unspecified atherosclerosis of native arteries of extremities, bilateral legs	ICD-10-CM	Diagnosis
I70.208	Unspecified atherosclerosis of native arteries of extremities, other extremity	ICD-10-CM	Diagnosis
I70.209	Unspecified atherosclerosis of native arteries of extremities, unspecified extremity	ICD-10-CM	Diagnosis
I70.211	Atherosclerosis of native arteries of extremities with intermittent claudication, right leg	ICD-10-CM	Diagnosis
I70.212	Atherosclerosis of native arteries of extremities with intermittent claudication, left leg	ICD-10-CM	Diagnosis
I70.213	Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs	ICD-10-CM	Diagnosis
I70.218	Atherosclerosis of native arteries of extremities with intermittent claudication, other extremity	ICD-10-CM	Diagnosis
I70.219	Atherosclerosis of native arteries of extremities with intermittent claudication, unspecified extremity	ICD-10-CM	Diagnosis
I70.221	Atherosclerosis of native arteries of extremities with rest pain, right leg	ICD-10-CM	Diagnosis
I70.222	Atherosclerosis of native arteries of extremities with rest pain, left leg	ICD-10-CM	Diagnosis
I70.223	Atherosclerosis of native arteries of extremities with rest pain, bilateral legs	ICD-10-CM	Diagnosis
I70.228	Atherosclerosis of native arteries of extremities with rest pain, other extremity	ICD-10-CM	Diagnosis
I70.229	Atherosclerosis of native arteries of extremities with rest pain, unspecified extremity	ICD-10-CM	Diagnosis
I70.231	Atherosclerosis of native arteries of right leg with ulceration of thigh	ICD-10-CM	Diagnosis
I70.232	Atherosclerosis of native arteries of right leg with ulceration of calf	ICD-10-CM	Diagnosis
I70.233	Atherosclerosis of native arteries of right leg with ulceration of ankle	ICD-10-CM	Diagnosis
I70.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
I70.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
I70.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg	ICD-10-CM	Diagnosis
I70.239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
I70.241	Atherosclerosis of native arteries of left leg with ulceration of thigh	ICD-10-CM	Diagnosis
I70.242	Atherosclerosis of native arteries of left leg with ulceration of calf	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.243	Atherosclerosis of native arteries of left leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg	ICD-10-CM	Diagnosis
170.249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.25	Atherosclerosis of native arteries of other extremities with ulceration	ICD-10-CM	Diagnosis
170.261	Atherosclerosis of native arteries of extremities with gangrene, right leg	ICD-10-CM	Diagnosis
170.262	Atherosclerosis of native arteries of extremities with gangrene, left leg	ICD-10-CM	Diagnosis
170.263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs	ICD-10-CM	Diagnosis
170.268	Atherosclerosis of native arteries of extremities with gangrene, other extremity	ICD-10-CM	Diagnosis
170.269	Atherosclerosis of native arteries of extremities with gangrene, unspecified extremity	ICD-10-CM	Diagnosis
170.291	Other atherosclerosis of native arteries of extremities, right leg	ICD-10-CM	Diagnosis
170.292	Other atherosclerosis of native arteries of extremities, left leg	ICD-10-CM	Diagnosis
170.293	Other atherosclerosis of native arteries of extremities, bilateral legs	ICD-10-CM	Diagnosis
170.298	Other atherosclerosis of native arteries of extremities, other extremity	ICD-10-CM	Diagnosis
170.299	Other atherosclerosis of native arteries of extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.301	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.302	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.303	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.308	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.309	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.311	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, right leg	ICD-10-CM	Diagnosis
170.312	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, left leg	ICD-10-CM	Diagnosis
170.313	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs	ICD-10-CM	Diagnosis
170.318	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, other extremity	ICD-10-CM	Diagnosis
170.319	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity	ICD-10-CM	Diagnosis
170.321	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, right leg	ICD-10-CM	Diagnosis
170.322	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, left leg	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.323	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, bilateral legs	ICD-10-CM	Diagnosis
170.328	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, other extremity	ICD-10-CM	Diagnosis
170.329	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, unspecified extremity	ICD-10-CM	Diagnosis
170.331	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.332	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf	ICD-10-CM	Diagnosis
170.333	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.334	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.335	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.338	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.339	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.342	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf	ICD-10-CM	Diagnosis
170.343	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.344	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.345	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.348	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.349	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.35	Atherosclerosis of unspecified type of bypass graft(s) of other extremity with ulceration	ICD-10-CM	Diagnosis
170.361	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, right leg	ICD-10-CM	Diagnosis
170.362	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, left leg	ICD-10-CM	Diagnosis
170.363	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, bilateral legs	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.368	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, other extremity	ICD-10-CM	Diagnosis
170.369	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, unspecified extremity	ICD-10-CM	Diagnosis
170.391	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.392	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.393	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.398	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.399	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.401	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.402	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.403	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.408	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.409	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg	ICD-10-CM	Diagnosis
170.412	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, left leg	ICD-10-CM	Diagnosis
170.413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs	ICD-10-CM	Diagnosis
170.418	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, other extremity	ICD-10-CM	Diagnosis
170.419	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, unspecified extremity	ICD-10-CM	Diagnosis
170.421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg	ICD-10-CM	Diagnosis
170.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg	ICD-10-CM	Diagnosis
170.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs	ICD-10-CM	Diagnosis
170.428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.429	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, unspecified extremity	ICD-10-CM	Diagnosis
170.431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf	ICD-10-CM	Diagnosis
170.433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.439	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.441	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.442	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf	ICD-10-CM	Diagnosis
170.443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.45	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration	ICD-10-CM	Diagnosis
170.461	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg	ICD-10-CM	Diagnosis
170.462	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg	ICD-10-CM	Diagnosis
170.463	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs	ICD-10-CM	Diagnosis
170.468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity	ICD-10-CM	Diagnosis
170.469	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, unspecified extremity	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.491	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.492	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.493	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.498	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.499	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.501	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.502	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.503	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.508	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.509	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.511	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, right leg	ICD-10-CM	Diagnosis
170.512	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg	ICD-10-CM	Diagnosis
170.513	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs	ICD-10-CM	Diagnosis
170.518	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, other extremity	ICD-10-CM	Diagnosis
170.519	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity	ICD-10-CM	Diagnosis
170.521	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg	ICD-10-CM	Diagnosis
170.522	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg	ICD-10-CM	Diagnosis
170.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs	ICD-10-CM	Diagnosis
170.528	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity	ICD-10-CM	Diagnosis
170.529	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, unspecified extremity	ICD-10-CM	Diagnosis
170.531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf	ICD-10-CM	Diagnosis
170.533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.542	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf	ICD-10-CM	Diagnosis
170.543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.55	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration	ICD-10-CM	Diagnosis
170.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg	ICD-10-CM	Diagnosis
170.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg	ICD-10-CM	Diagnosis
170.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs	ICD-10-CM	Diagnosis
170.568	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity	ICD-10-CM	Diagnosis
170.569	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, unspecified extremity	ICD-10-CM	Diagnosis
170.591	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.599	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.601	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.602	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.603	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.608	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.609	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.611	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg	ICD-10-CM	Diagnosis
170.612	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg	ICD-10-CM	Diagnosis
170.613	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, bilateral legs	ICD-10-CM	Diagnosis
170.618	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, other extremity	ICD-10-CM	Diagnosis
170.619	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity	ICD-10-CM	Diagnosis
170.621	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg	ICD-10-CM	Diagnosis
170.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg	ICD-10-CM	Diagnosis
170.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs	ICD-10-CM	Diagnosis
170.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity	ICD-10-CM	Diagnosis
170.629	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, unspecified extremity	ICD-10-CM	Diagnosis
170.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf	ICD-10-CM	Diagnosis
170.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf	ICD-10-CM	Diagnosis
170.643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.65	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration	ICD-10-CM	Diagnosis
170.661	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, right leg	ICD-10-CM	Diagnosis
170.662	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, left leg	ICD-10-CM	Diagnosis
170.663	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, bilateral legs	ICD-10-CM	Diagnosis
170.668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity	ICD-10-CM	Diagnosis
170.669	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, unspecified extremity	ICD-10-CM	Diagnosis
170.691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.698	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.699	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.701	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.702	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.703	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.708	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.709	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.711	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, right leg	ICD-10-CM	Diagnosis
170.712	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, left leg	ICD-10-CM	Diagnosis
170.713	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs	ICD-10-CM	Diagnosis
170.718	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, other extremity	ICD-10-CM	Diagnosis
170.719	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity	ICD-10-CM	Diagnosis
170.721	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, right leg	ICD-10-CM	Diagnosis
170.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg	ICD-10-CM	Diagnosis
170.723	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, bilateral legs	ICD-10-CM	Diagnosis
170.728	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, other extremity	ICD-10-CM	Diagnosis
170.729	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, unspecified extremity	ICD-10-CM	Diagnosis
170.731	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf	ICD-10-CM	Diagnosis
170.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
170.739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh	ICD-10-CM	Diagnosis
170.742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf	ICD-10-CM	Diagnosis
170.743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle	ICD-10-CM	Diagnosis
170.744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot	ICD-10-CM	Diagnosis
170.745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot	ICD-10-CM	Diagnosis
170.748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg	ICD-10-CM	Diagnosis
170.749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site	ICD-10-CM	Diagnosis
170.75	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration	ICD-10-CM	Diagnosis
170.761	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, right leg	ICD-10-CM	Diagnosis
170.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg	ICD-10-CM	Diagnosis
170.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs	ICD-10-CM	Diagnosis
170.768	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity	ICD-10-CM	Diagnosis
170.769	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, unspecified extremity	ICD-10-CM	Diagnosis
170.791	Other atherosclerosis of other type of bypass graft(s) of the extremities, right leg	ICD-10-CM	Diagnosis
170.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg	ICD-10-CM	Diagnosis
170.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs	ICD-10-CM	Diagnosis
170.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity	ICD-10-CM	Diagnosis
170.799	Other atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity	ICD-10-CM	Diagnosis
170.8	Atherosclerosis of other arteries	ICD-10-CM	Diagnosis
170.90	Unspecified atherosclerosis	ICD-10-CM	Diagnosis
170.91	Generalized atherosclerosis	ICD-10-CM	Diagnosis
170.92	Chronic total occlusion of artery of the extremities	ICD-10-CM	Diagnosis
171.2	Thoracic aortic aneurysm, without rupture	ICD-10-CM	Diagnosis
171.4	Abdominal aortic aneurysm, without rupture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
I71.6	Thoracoabdominal aortic aneurysm, without rupture	ICD-10-CM	Diagnosis
I71.9	Aortic aneurysm of unspecified site, without rupture	ICD-10-CM	Diagnosis
I73.1	Thromboangiitis obliterans [Buerger's disease]	ICD-10-CM	Diagnosis
I73.81	Erythromelalgia	ICD-10-CM	Diagnosis
I73.89	Other specified peripheral vascular diseases	ICD-10-CM	Diagnosis
I73.9	Peripheral vascular disease, unspecified	ICD-10-CM	Diagnosis
I77.1	Stricture of artery	ICD-10-CM	Diagnosis
I77.70	Dissection of unspecified artery	ICD-10-CM	Diagnosis
I77.71	Dissection of carotid artery	ICD-10-CM	Diagnosis
I77.72	Dissection of iliac artery	ICD-10-CM	Diagnosis
I77.73	Dissection of renal artery	ICD-10-CM	Diagnosis
I77.74	Dissection of vertebral artery	ICD-10-CM	Diagnosis
I77.75	Dissection of other precerebral arteries	ICD-10-CM	Diagnosis
I77.76	Dissection of artery of upper extremity	ICD-10-CM	Diagnosis
I77.77	Dissection of artery of lower extremity	ICD-10-CM	Diagnosis
I77.79	Dissection of other specified artery	ICD-10-CM	Diagnosis
I79.0	Aneurysm of aorta in diseases classified elsewhere	ICD-10-CM	Diagnosis
I79.1	Aortitis in diseases classified elsewhere	ICD-10-CM	Diagnosis
I79.8	Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere	ICD-10-CM	Diagnosis
K55.1	Chronic vascular disorders of intestine	ICD-10-CM	Diagnosis
K55.8	Other vascular disorders of intestine	ICD-10-CM	Diagnosis
K55.9	Vascular disorder of intestine, unspecified	ICD-10-CM	Diagnosis
Z95.820	Peripheral vascular angioplasty status with implants and grafts	ICD-10-CM	Diagnosis
Z95.828	Presence of other vascular implants and grafts	ICD-10-CM	Diagnosis
84.16	Disarticulation of knee	ICD-9-CM	Procedure
84.13	Disarticulation of ankle	ICD-9-CM	Procedure
84.17	Amputation above knee	ICD-9-CM	Procedure
84.12	Amputation through foot	ICD-9-CM	Procedure
84.15	Other amputation below knee	ICD-9-CM	Procedure
38.18	Endarterectomy of lower limb arteries	ICD-9-CM	Procedure
84.10	Lower limb amputation, not otherwise specified	ICD-9-CM	Procedure
84.11	Amputation of toe	ICD-9-CM	Procedure
39.29	Other (peripheral) vascular shunt or bypass	ICD-9-CM	Procedure
39.25	Aorta-iliac-femoral bypass	ICD-9-CM	Procedure
84.14	Amputation of ankle through malleoli of tibia and fibula	ICD-9-CM	Procedure
0312090	Bypass Innominate Artery to Right Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312091	Bypass Innominate Artery to Left Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312092	Bypass Innominate Artery to Bilateral Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0312093	Bypass Innominate Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312094	Bypass Innominate Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312095	Bypass Innominate Artery to Bilateral Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312096	Bypass Innominate Artery to Right Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312097	Bypass Innominate Artery to Left Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312098	Bypass Innominate Artery to Bilateral Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0312099	Bypass Innominate Artery to Right Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031209B	Bypass Innominate Artery to Left Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031209C	Bypass Innominate Artery to Bilateral Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031209D	Bypass Innominate Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031209F	Bypass Innominate Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031209J	Bypass Innominate Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031209K	Bypass Innominate Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03120A0	Bypass Innominate Artery to Right Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A1	Bypass Innominate Artery to Left Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A2	Bypass Innominate Artery to Bilateral Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A3	Bypass Innominate Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A4	Bypass Innominate Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A5	Bypass Innominate Artery to Bilateral Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A6	Bypass Innominate Artery to Right Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A7	Bypass Innominate Artery to Left Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03120A8	Bypass Innominate Artery to Bilateral Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120A9	Bypass Innominate Artery to Right Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120AB	Bypass Innominate Artery to Left Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120AC	Bypass Innominate Artery to Bilateral Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120AD	Bypass Innominate Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120AF	Bypass Innominate Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120AJ	Bypass Innominate Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120AK	Bypass Innominate Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03120J0	Bypass Innominate Artery to Right Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J1	Bypass Innominate Artery to Left Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J2	Bypass Innominate Artery to Bilateral Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J3	Bypass Innominate Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J4	Bypass Innominate Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J5	Bypass Innominate Artery to Bilateral Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J6	Bypass Innominate Artery to Right Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J7	Bypass Innominate Artery to Left Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J8	Bypass Innominate Artery to Bilateral Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120J9	Bypass Innominate Artery to Right Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120JB	Bypass Innominate Artery to Left Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120JC	Bypass Innominate Artery to Bilateral Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120JD	Bypass Innominate Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03120JF	Bypass Innominate Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120JJ	Bypass Innominate Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120JK	Bypass Innominate Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03120K0	Bypass Innominate Artery to Right Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K1	Bypass Innominate Artery to Left Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K2	Bypass Innominate Artery to Bilateral Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K3	Bypass Innominate Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K4	Bypass Innominate Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K5	Bypass Innominate Artery to Bilateral Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K6	Bypass Innominate Artery to Right Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K7	Bypass Innominate Artery to Left Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K8	Bypass Innominate Artery to Bilateral Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120K9	Bypass Innominate Artery to Right Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120KB	Bypass Innominate Artery to Left Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120KC	Bypass Innominate Artery to Bilateral Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120KD	Bypass Innominate Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120KF	Bypass Innominate Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120KJ	Bypass Innominate Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120KK	Bypass Innominate Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03120Z0	Bypass Innominate Artery to Right Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03120Z1	Bypass Innominate Artery to Left Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03120Z2	Bypass Innominate Artery to Bilateral Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03120Z3	Bypass Innominate Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03120Z4	Bypass Innominate Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03120Z5	Bypass Innominate Artery to Bilateral Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03120Z6	Bypass Innominate Artery to Right Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03120Z7	Bypass Innominate Artery to Left Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03120Z8	Bypass Innominate Artery to Bilateral Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03120Z9	Bypass Innominate Artery to Right Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03120ZB	Bypass Innominate Artery to Left Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03120ZC	Bypass Innominate Artery to Bilateral Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03120ZD	Bypass Innominate Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure
03120ZF	Bypass Innominate Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
03120ZJ	Bypass Innominate Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
03120ZK	Bypass Innominate Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
0313090	Bypass Right Subclavian Artery to Right Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313091	Bypass Right Subclavian Artery to Left Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313092	Bypass Right Subclavian Artery to Bilateral Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313093	Bypass Right Subclavian Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313094	Bypass Right Subclavian Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313095	Bypass Right Subclavian Artery to Bilateral Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313096	Bypass Right Subclavian Artery to Right Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313097	Bypass Right Subclavian Artery to Left Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313098	Bypass Right Subclavian Artery to Bilateral Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0313099	Bypass Right Subclavian Artery to Right Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031309B	Bypass Right Subclavian Artery to Left Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031309C	Bypass Right Subclavian Artery to Bilateral Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031309D	Bypass Right Subclavian Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031309F	Bypass Right Subclavian Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031309J	Bypass Right Subclavian Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031309K	Bypass Right Subclavian Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03130A0	Bypass Right Subclavian Artery to Right Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A1	Bypass Right Subclavian Artery to Left Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A2	Bypass Right Subclavian Artery to Bilateral Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A3	Bypass Right Subclavian Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A4	Bypass Right Subclavian Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A5	Bypass Right Subclavian Artery to Bilateral Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A6	Bypass Right Subclavian Artery to Right Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A7	Bypass Right Subclavian Artery to Left Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A8	Bypass Right Subclavian Artery to Bilateral Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130A9	Bypass Right Subclavian Artery to Right Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130AB	Bypass Right Subclavian Artery to Left Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130AC	Bypass Right Subclavian Artery to Bilateral Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130AD	Bypass Right Subclavian Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130AF	Bypass Right Subclavian Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130AJ	Bypass Right Subclavian Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130AK	Bypass Right Subclavian Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03130J0	Bypass Right Subclavian Artery to Right Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J1	Bypass Right Subclavian Artery to Left Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J2	Bypass Right Subclavian Artery to Bilateral Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J3	Bypass Right Subclavian Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J4	Bypass Right Subclavian Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03130J5	Bypass Right Subclavian Artery to Bilateral Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J6	Bypass Right Subclavian Artery to Right Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J7	Bypass Right Subclavian Artery to Left Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J8	Bypass Right Subclavian Artery to Bilateral Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130J9	Bypass Right Subclavian Artery to Right Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130JB	Bypass Right Subclavian Artery to Left Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130JC	Bypass Right Subclavian Artery to Bilateral Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130JD	Bypass Right Subclavian Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130JF	Bypass Right Subclavian Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130JJ	Bypass Right Subclavian Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130JK	Bypass Right Subclavian Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03130K0	Bypass Right Subclavian Artery to Right Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K1	Bypass Right Subclavian Artery to Left Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K2	Bypass Right Subclavian Artery to Bilateral Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K3	Bypass Right Subclavian Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K4	Bypass Right Subclavian Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K5	Bypass Right Subclavian Artery to Bilateral Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K6	Bypass Right Subclavian Artery to Right Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K7	Bypass Right Subclavian Artery to Left Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K8	Bypass Right Subclavian Artery to Bilateral Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130K9	Bypass Right Subclavian Artery to Right Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03130KB	Bypass Right Subclavian Artery to Left Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130KC	Bypass Right Subclavian Artery to Bilateral Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130KD	Bypass Right Subclavian Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130KF	Bypass Right Subclavian Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130KJ	Bypass Right Subclavian Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130KK	Bypass Right Subclavian Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03130Z0	Bypass Right Subclavian Artery to Right Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03130Z1	Bypass Right Subclavian Artery to Left Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03130Z2	Bypass Right Subclavian Artery to Bilateral Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03130Z3	Bypass Right Subclavian Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03130Z4	Bypass Right Subclavian Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03130Z5	Bypass Right Subclavian Artery to Bilateral Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03130Z6	Bypass Right Subclavian Artery to Right Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03130Z7	Bypass Right Subclavian Artery to Left Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03130Z8	Bypass Right Subclavian Artery to Bilateral Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03130Z9	Bypass Right Subclavian Artery to Right Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03130ZB	Bypass Right Subclavian Artery to Left Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03130ZC	Bypass Right Subclavian Artery to Bilateral Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03130ZD	Bypass Right Subclavian Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure
03130ZF	Bypass Right Subclavian Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
03130ZJ	Bypass Right Subclavian Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
03130ZK	Bypass Right Subclavian Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
0314090	Bypass Left Subclavian Artery to Right Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314091	Bypass Left Subclavian Artery to Left Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314092	Bypass Left Subclavian Artery to Bilateral Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314093	Bypass Left Subclavian Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314094	Bypass Left Subclavian Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314095	Bypass Left Subclavian Artery to Bilateral Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314096	Bypass Left Subclavian Artery to Right Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0314097	Bypass Left Subclavian Artery to Left Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314098	Bypass Left Subclavian Artery to Bilateral Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0314099	Bypass Left Subclavian Artery to Right Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031409B	Bypass Left Subclavian Artery to Left Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031409C	Bypass Left Subclavian Artery to Bilateral Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031409D	Bypass Left Subclavian Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031409F	Bypass Left Subclavian Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031409J	Bypass Left Subclavian Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031409K	Bypass Left Subclavian Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03140A0	Bypass Left Subclavian Artery to Right Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A1	Bypass Left Subclavian Artery to Left Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A2	Bypass Left Subclavian Artery to Bilateral Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A3	Bypass Left Subclavian Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A4	Bypass Left Subclavian Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A5	Bypass Left Subclavian Artery to Bilateral Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A6	Bypass Left Subclavian Artery to Right Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A7	Bypass Left Subclavian Artery to Left Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A8	Bypass Left Subclavian Artery to Bilateral Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140A9	Bypass Left Subclavian Artery to Right Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140AB	Bypass Left Subclavian Artery to Left Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140AC	Bypass Left Subclavian Artery to Bilateral Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03140AD	Bypass Left Subclavian Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140AF	Bypass Left Subclavian Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140AJ	Bypass Left Subclavian Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140AK	Bypass Left Subclavian Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03140J0	Bypass Left Subclavian Artery to Right Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J1	Bypass Left Subclavian Artery to Left Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J2	Bypass Left Subclavian Artery to Bilateral Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J3	Bypass Left Subclavian Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J4	Bypass Left Subclavian Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J5	Bypass Left Subclavian Artery to Bilateral Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J6	Bypass Left Subclavian Artery to Right Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J7	Bypass Left Subclavian Artery to Left Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J8	Bypass Left Subclavian Artery to Bilateral Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140J9	Bypass Left Subclavian Artery to Right Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140JB	Bypass Left Subclavian Artery to Left Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140JC	Bypass Left Subclavian Artery to Bilateral Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140JD	Bypass Left Subclavian Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140JF	Bypass Left Subclavian Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140JJ	Bypass Left Subclavian Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140JK	Bypass Left Subclavian Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03140K0	Bypass Left Subclavian Artery to Right Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03140K1	Bypass Left Subclavian Artery to Left Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K2	Bypass Left Subclavian Artery to Bilateral Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K3	Bypass Left Subclavian Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K4	Bypass Left Subclavian Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K5	Bypass Left Subclavian Artery to Bilateral Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K6	Bypass Left Subclavian Artery to Right Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K7	Bypass Left Subclavian Artery to Left Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K8	Bypass Left Subclavian Artery to Bilateral Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140K9	Bypass Left Subclavian Artery to Right Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140KB	Bypass Left Subclavian Artery to Left Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140KC	Bypass Left Subclavian Artery to Bilateral Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140KD	Bypass Left Subclavian Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140KF	Bypass Left Subclavian Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140KJ	Bypass Left Subclavian Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140KK	Bypass Left Subclavian Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03140Z0	Bypass Left Subclavian Artery to Right Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03140Z1	Bypass Left Subclavian Artery to Left Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03140Z2	Bypass Left Subclavian Artery to Bilateral Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03140Z3	Bypass Left Subclavian Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03140Z4	Bypass Left Subclavian Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03140Z5	Bypass Left Subclavian Artery to Bilateral Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03140Z6	Bypass Left Subclavian Artery to Right Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03140Z7	Bypass Left Subclavian Artery to Left Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03140Z8	Bypass Left Subclavian Artery to Bilateral Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03140Z9	Bypass Left Subclavian Artery to Right Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03140ZB	Bypass Left Subclavian Artery to Left Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03140ZC	Bypass Left Subclavian Artery to Bilateral Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03140ZD	Bypass Left Subclavian Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03140ZF	Bypass Left Subclavian Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
03140ZJ	Bypass Left Subclavian Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
03140ZK	Bypass Left Subclavian Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
0315090	Bypass Right Axillary Artery to Right Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315091	Bypass Right Axillary Artery to Left Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315092	Bypass Right Axillary Artery to Bilateral Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315093	Bypass Right Axillary Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315094	Bypass Right Axillary Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315095	Bypass Right Axillary Artery to Bilateral Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315096	Bypass Right Axillary Artery to Right Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315097	Bypass Right Axillary Artery to Left Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315098	Bypass Right Axillary Artery to Bilateral Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0315099	Bypass Right Axillary Artery to Right Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031509B	Bypass Right Axillary Artery to Left Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031509C	Bypass Right Axillary Artery to Bilateral Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031509D	Bypass Right Axillary Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031509F	Bypass Right Axillary Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031509J	Bypass Right Axillary Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031509K	Bypass Right Axillary Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03150A0	Bypass Right Axillary Artery to Right Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A1	Bypass Right Axillary Artery to Left Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A2	Bypass Right Axillary Artery to Bilateral Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A3	Bypass Right Axillary Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03150A4	Bypass Right Axillary Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A5	Bypass Right Axillary Artery to Bilateral Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A6	Bypass Right Axillary Artery to Right Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A7	Bypass Right Axillary Artery to Left Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A8	Bypass Right Axillary Artery to Bilateral Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150A9	Bypass Right Axillary Artery to Right Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150AB	Bypass Right Axillary Artery to Left Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150AC	Bypass Right Axillary Artery to Bilateral Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150AD	Bypass Right Axillary Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150AF	Bypass Right Axillary Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150AJ	Bypass Right Axillary Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150AK	Bypass Right Axillary Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03150J0	Bypass Right Axillary Artery to Right Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J1	Bypass Right Axillary Artery to Left Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J2	Bypass Right Axillary Artery to Bilateral Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J3	Bypass Right Axillary Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J4	Bypass Right Axillary Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J5	Bypass Right Axillary Artery to Bilateral Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J6	Bypass Right Axillary Artery to Right Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J7	Bypass Right Axillary Artery to Left Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150J8	Bypass Right Axillary Artery to Bilateral Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03150J9	Bypass Right Axillary Artery to Right Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150JB	Bypass Right Axillary Artery to Left Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150JC	Bypass Right Axillary Artery to Bilateral Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150JD	Bypass Right Axillary Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150JF	Bypass Right Axillary Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150JJ	Bypass Right Axillary Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150JK	Bypass Right Axillary Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03150K0	Bypass Right Axillary Artery to Right Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K1	Bypass Right Axillary Artery to Left Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K2	Bypass Right Axillary Artery to Bilateral Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K3	Bypass Right Axillary Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K4	Bypass Right Axillary Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K5	Bypass Right Axillary Artery to Bilateral Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K6	Bypass Right Axillary Artery to Right Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K7	Bypass Right Axillary Artery to Left Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K8	Bypass Right Axillary Artery to Bilateral Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150K9	Bypass Right Axillary Artery to Right Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150KB	Bypass Right Axillary Artery to Left Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150KC	Bypass Right Axillary Artery to Bilateral Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150KD	Bypass Right Axillary Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150KF	Bypass Right Axillary Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03150KJ	Bypass Right Axillary Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150KK	Bypass Right Axillary Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03150Z0	Bypass Right Axillary Artery to Right Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03150Z1	Bypass Right Axillary Artery to Left Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03150Z2	Bypass Right Axillary Artery to Bilateral Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03150Z3	Bypass Right Axillary Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03150Z4	Bypass Right Axillary Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03150Z5	Bypass Right Axillary Artery to Bilateral Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03150Z6	Bypass Right Axillary Artery to Right Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03150Z7	Bypass Right Axillary Artery to Left Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03150Z8	Bypass Right Axillary Artery to Bilateral Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03150Z9	Bypass Right Axillary Artery to Right Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03150ZB	Bypass Right Axillary Artery to Left Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03150ZC	Bypass Right Axillary Artery to Bilateral Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03150ZD	Bypass Right Axillary Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure
03150ZF	Bypass Right Axillary Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
03150ZJ	Bypass Right Axillary Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
03150ZK	Bypass Right Axillary Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
0316090	Bypass Left Axillary Artery to Right Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316091	Bypass Left Axillary Artery to Left Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316092	Bypass Left Axillary Artery to Bilateral Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316093	Bypass Left Axillary Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316094	Bypass Left Axillary Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316095	Bypass Left Axillary Artery to Bilateral Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316096	Bypass Left Axillary Artery to Right Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316097	Bypass Left Axillary Artery to Left Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316098	Bypass Left Axillary Artery to Bilateral Upper Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0316099	Bypass Left Axillary Artery to Right Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031609B	Bypass Left Axillary Artery to Left Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
031609C	Bypass Left Axillary Artery to Bilateral Lower Leg Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031609D	Bypass Left Axillary Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031609F	Bypass Left Axillary Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031609J	Bypass Left Axillary Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031609K	Bypass Left Axillary Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03160A0	Bypass Left Axillary Artery to Right Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A1	Bypass Left Axillary Artery to Left Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A2	Bypass Left Axillary Artery to Bilateral Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A3	Bypass Left Axillary Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A4	Bypass Left Axillary Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A5	Bypass Left Axillary Artery to Bilateral Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A6	Bypass Left Axillary Artery to Right Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A7	Bypass Left Axillary Artery to Left Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A8	Bypass Left Axillary Artery to Bilateral Upper Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160A9	Bypass Left Axillary Artery to Right Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160AB	Bypass Left Axillary Artery to Left Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160AC	Bypass Left Axillary Artery to Bilateral Lower Leg Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160AD	Bypass Left Axillary Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160AF	Bypass Left Axillary Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160AJ	Bypass Left Axillary Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03160AK	Bypass Left Axillary Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03160J0	Bypass Left Axillary Artery to Right Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J1	Bypass Left Axillary Artery to Left Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J2	Bypass Left Axillary Artery to Bilateral Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J3	Bypass Left Axillary Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J4	Bypass Left Axillary Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J5	Bypass Left Axillary Artery to Bilateral Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J6	Bypass Left Axillary Artery to Right Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J7	Bypass Left Axillary Artery to Left Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J8	Bypass Left Axillary Artery to Bilateral Upper Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160J9	Bypass Left Axillary Artery to Right Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160JB	Bypass Left Axillary Artery to Left Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160JC	Bypass Left Axillary Artery to Bilateral Lower Leg Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160JD	Bypass Left Axillary Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160JF	Bypass Left Axillary Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160JJ	Bypass Left Axillary Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160JK	Bypass Left Axillary Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03160K0	Bypass Left Axillary Artery to Right Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K1	Bypass Left Axillary Artery to Left Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K2	Bypass Left Axillary Artery to Bilateral Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K3	Bypass Left Axillary Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K4	Bypass Left Axillary Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03160K5	Bypass Left Axillary Artery to Bilateral Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K6	Bypass Left Axillary Artery to Right Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K7	Bypass Left Axillary Artery to Left Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K8	Bypass Left Axillary Artery to Bilateral Upper Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160K9	Bypass Left Axillary Artery to Right Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160KB	Bypass Left Axillary Artery to Left Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160KC	Bypass Left Axillary Artery to Bilateral Lower Leg Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160KD	Bypass Left Axillary Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160KF	Bypass Left Axillary Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160KJ	Bypass Left Axillary Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160KK	Bypass Left Axillary Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03160Z0	Bypass Left Axillary Artery to Right Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03160Z1	Bypass Left Axillary Artery to Left Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03160Z2	Bypass Left Axillary Artery to Bilateral Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03160Z3	Bypass Left Axillary Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03160Z4	Bypass Left Axillary Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03160Z5	Bypass Left Axillary Artery to Bilateral Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03160Z6	Bypass Left Axillary Artery to Right Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03160Z7	Bypass Left Axillary Artery to Left Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03160Z8	Bypass Left Axillary Artery to Bilateral Upper Leg Artery, Open Approach	ICD-10-CM	Procedure
03160Z9	Bypass Left Axillary Artery to Right Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03160ZB	Bypass Left Axillary Artery to Left Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03160ZC	Bypass Left Axillary Artery to Bilateral Lower Leg Artery, Open Approach	ICD-10-CM	Procedure
03160ZD	Bypass Left Axillary Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure
03160ZF	Bypass Left Axillary Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
03160ZJ	Bypass Left Axillary Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
03160ZK	Bypass Left Axillary Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
0317090	Bypass Right Brachial Artery to Right Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0317093	Bypass Right Brachial Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
031709D	Bypass Right Brachial Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031709F	Bypass Right Brachial Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03170A0	Bypass Right Brachial Artery to Right Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03170A3	Bypass Right Brachial Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03170AD	Bypass Right Brachial Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03170AF	Bypass Right Brachial Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03170J0	Bypass Right Brachial Artery to Right Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03170J3	Bypass Right Brachial Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03170JD	Bypass Right Brachial Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03170JF	Bypass Right Brachial Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03170K0	Bypass Right Brachial Artery to Right Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03170K3	Bypass Right Brachial Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03170KD	Bypass Right Brachial Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03170KF	Bypass Right Brachial Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03170Z0	Bypass Right Brachial Artery to Right Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03170Z3	Bypass Right Brachial Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03170ZD	Bypass Right Brachial Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure
03170ZF	Bypass Right Brachial Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
0318091	Bypass Left Brachial Artery to Left Upper Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0318094	Bypass Left Brachial Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031809D	Bypass Left Brachial Artery to Upper Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031809F	Bypass Left Brachial Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03180A1	Bypass Left Brachial Artery to Left Upper Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03180A4	Bypass Left Brachial Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03180AD	Bypass Left Brachial Artery to Upper Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03180AF	Bypass Left Brachial Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03180J1	Bypass Left Brachial Artery to Left Upper Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03180J4	Bypass Left Brachial Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03180JD	Bypass Left Brachial Artery to Upper Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03180JF	Bypass Left Brachial Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03180K1	Bypass Left Brachial Artery to Left Upper Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03180K4	Bypass Left Brachial Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03180KD	Bypass Left Brachial Artery to Upper Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03180KF	Bypass Left Brachial Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03180Z1	Bypass Left Brachial Artery to Left Upper Arm Artery, Open Approach	ICD-10-CM	Procedure
03180Z4	Bypass Left Brachial Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
03180ZD	Bypass Left Brachial Artery to Upper Arm Vein, Open Approach	ICD-10-CM	Procedure
03180ZF	Bypass Left Brachial Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
0319093	Bypass Right Ulnar Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031909F	Bypass Right Ulnar Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
03190A3	Bypass Right Ulnar Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03190AF	Bypass Right Ulnar Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
03190J3	Bypass Right Ulnar Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03190JF	Bypass Right Ulnar Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
03190K3	Bypass Right Ulnar Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03190KF	Bypass Right Ulnar Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
03190Z3	Bypass Right Ulnar Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
03190ZF	Bypass Right Ulnar Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
031A094	Bypass Left Ulnar Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031A09F	Bypass Left Ulnar Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031A0A4	Bypass Left Ulnar Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031A0AF	Bypass Left Ulnar Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031A0J4	Bypass Left Ulnar Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031A0JF	Bypass Left Ulnar Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031A0K4	Bypass Left Ulnar Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031A0KF	Bypass Left Ulnar Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031A0Z4	Bypass Left Ulnar Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
031A0ZF	Bypass Left Ulnar Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
031B093	Bypass Right Radial Artery to Right Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031B09F	Bypass Right Radial Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031B0A3	Bypass Right Radial Artery to Right Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031B0AF	Bypass Right Radial Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031B0J3	Bypass Right Radial Artery to Right Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031B0JF	Bypass Right Radial Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031B0K3	Bypass Right Radial Artery to Right Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031B0KF	Bypass Right Radial Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031B0Z3	Bypass Right Radial Artery to Right Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
031B0ZF	Bypass Right Radial Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
031C094	Bypass Left Radial Artery to Left Lower Arm Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031C09F	Bypass Left Radial Artery to Lower Arm Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031C0A4	Bypass Left Radial Artery to Left Lower Arm Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
031C0AF	Bypass Left Radial Artery to Lower Arm Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031C0J4	Bypass Left Radial Artery to Left Lower Arm Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031C0JF	Bypass Left Radial Artery to Lower Arm Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031C0K4	Bypass Left Radial Artery to Left Lower Arm Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031C0KF	Bypass Left Radial Artery to Lower Arm Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031C0Z4	Bypass Left Radial Artery to Left Lower Arm Artery, Open Approach	ICD-10-CM	Procedure
031C0ZF	Bypass Left Radial Artery to Lower Arm Vein, Open Approach	ICD-10-CM	Procedure
031G09G	Bypass Intracranial Artery to Intracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031G0AG	Bypass Intracranial Artery to Intracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031G0JG	Bypass Intracranial Artery to Intracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031G0KG	Bypass Intracranial Artery to Intracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031G0ZG	Bypass Intracranial Artery to Intracranial Artery, Open Approach	ICD-10-CM	Procedure
031H09J	Bypass Right Common Carotid Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031H0AJ	Bypass Right Common Carotid Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031H0JJ	Bypass Right Common Carotid Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031H0KJ	Bypass Right Common Carotid Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031H0ZJ	Bypass Right Common Carotid Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
031J09K	Bypass Left Common Carotid Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031J0AK	Bypass Left Common Carotid Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031J0JK	Bypass Left Common Carotid Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031J0KK	Bypass Left Common Carotid Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031J0ZK	Bypass Left Common Carotid Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
031K09J	Bypass Right Internal Carotid Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
031K0AJ	Bypass Right Internal Carotid Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031K0JJ	Bypass Right Internal Carotid Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031K0KJ	Bypass Right Internal Carotid Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031K0ZJ	Bypass Right Internal Carotid Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
031L09K	Bypass Left Internal Carotid Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031L0AK	Bypass Left Internal Carotid Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031L0JK	Bypass Left Internal Carotid Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031L0KK	Bypass Left Internal Carotid Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031L0ZK	Bypass Left Internal Carotid Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
031M09J	Bypass Right External Carotid Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031M0AJ	Bypass Right External Carotid Artery to Right Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031M0JJ	Bypass Right External Carotid Artery to Right Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031M0KJ	Bypass Right External Carotid Artery to Right Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031M0ZJ	Bypass Right External Carotid Artery to Right Extracranial Artery, Open Approach	ICD-10-CM	Procedure
031N09K	Bypass Left External Carotid Artery to Left Extracranial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
031N0AK	Bypass Left External Carotid Artery to Left Extracranial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
031N0JK	Bypass Left External Carotid Artery to Left Extracranial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
031N0KK	Bypass Left External Carotid Artery to Left Extracranial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
031N0ZK	Bypass Left External Carotid Artery to Left Extracranial Artery, Open Approach	ICD-10-CM	Procedure
0410096	Bypass Abdominal Aorta to Right Common Iliac Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0410097	Bypass Abdominal Aorta to Left Common Iliac Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
0410098	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0410099	Bypass Abdominal Aorta to Right Internal Iliac Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009B	Bypass Abdominal Aorta to Left Internal Iliac Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009C	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009D	Bypass Abdominal Aorta to Right External Iliac Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009F	Bypass Abdominal Aorta to Left External Iliac Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009G	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009H	Bypass Abdominal Aorta to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009J	Bypass Abdominal Aorta to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009K	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009Q	Bypass Abdominal Aorta to Lower Extremity Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041009R	Bypass Abdominal Aorta to Lower Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
04100A6	Bypass Abdominal Aorta to Right Common Iliac Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100A7	Bypass Abdominal Aorta to Left Common Iliac Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100A8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100A9	Bypass Abdominal Aorta to Right Internal Iliac Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AB	Bypass Abdominal Aorta to Left Internal Iliac Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AD	Bypass Abdominal Aorta to Right External Iliac Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AF	Bypass Abdominal Aorta to Left External Iliac Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AH	Bypass Abdominal Aorta to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04100AJ	Bypass Abdominal Aorta to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AK	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AQ	Bypass Abdominal Aorta to Lower Extremity Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100AR	Bypass Abdominal Aorta to Lower Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
04100J6	Bypass Abdominal Aorta to Right Common Iliac Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100J7	Bypass Abdominal Aorta to Left Common Iliac Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100J8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100J9	Bypass Abdominal Aorta to Right Internal Iliac Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JB	Bypass Abdominal Aorta to Left Internal Iliac Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JD	Bypass Abdominal Aorta to Right External Iliac Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JF	Bypass Abdominal Aorta to Left External Iliac Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JH	Bypass Abdominal Aorta to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JJ	Bypass Abdominal Aorta to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JK	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JQ	Bypass Abdominal Aorta to Lower Extremity Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100JR	Bypass Abdominal Aorta to Lower Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
04100K6	Bypass Abdominal Aorta to Right Common Iliac Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100K7	Bypass Abdominal Aorta to Left Common Iliac Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100K8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04100K9	Bypass Abdominal Aorta to Right Internal Iliac Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KB	Bypass Abdominal Aorta to Left Internal Iliac Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KD	Bypass Abdominal Aorta to Right External Iliac Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KF	Bypass Abdominal Aorta to Left External Iliac Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KH	Bypass Abdominal Aorta to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KJ	Bypass Abdominal Aorta to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KK	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KQ	Bypass Abdominal Aorta to Lower Extremity Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100KR	Bypass Abdominal Aorta to Lower Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
04100Z6	Bypass Abdominal Aorta to Right Common Iliac Artery, Open Approach	ICD-10-CM	Procedure
04100Z7	Bypass Abdominal Aorta to Left Common Iliac Artery, Open Approach	ICD-10-CM	Procedure
04100Z8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries, Open Approach	ICD-10-CM	Procedure
04100Z9	Bypass Abdominal Aorta to Right Internal Iliac Artery, Open Approach	ICD-10-CM	Procedure
04100ZB	Bypass Abdominal Aorta to Left Internal Iliac Artery, Open Approach	ICD-10-CM	Procedure
04100ZC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries, Open Approach	ICD-10-CM	Procedure
04100ZD	Bypass Abdominal Aorta to Right External Iliac Artery, Open Approach	ICD-10-CM	Procedure
04100ZF	Bypass Abdominal Aorta to Left External Iliac Artery, Open Approach	ICD-10-CM	Procedure
04100ZG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries, Open Approach	ICD-10-CM	Procedure
04100ZH	Bypass Abdominal Aorta to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
04100ZJ	Bypass Abdominal Aorta to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
04100ZK	Bypass Abdominal Aorta to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
04100ZQ	Bypass Abdominal Aorta to Lower Extremity Artery, Open Approach	ICD-10-CM	Procedure
04100ZR	Bypass Abdominal Aorta to Lower Artery, Open Approach	ICD-10-CM	Procedure
0410496	Bypass Abdominal Aorta to Right Common Iliac Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0410497	Bypass Abdominal Aorta to Left Common Iliac Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0410498	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0410499	Bypass Abdominal Aorta to Right Internal Iliac Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049B	Bypass Abdominal Aorta to Left Internal Iliac Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049C	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049D	Bypass Abdominal Aorta to Right External Iliac Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049F	Bypass Abdominal Aorta to Left External Iliac Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049G	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049H	Bypass Abdominal Aorta to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049J	Bypass Abdominal Aorta to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049K	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049Q	Bypass Abdominal Aorta to Lower Extremity Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041049R	Bypass Abdominal Aorta to Lower Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104A6	Bypass Abdominal Aorta to Right Common Iliac Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104A7	Bypass Abdominal Aorta to Left Common Iliac Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104A8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104A9	Bypass Abdominal Aorta to Right Internal Iliac Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AB	Bypass Abdominal Aorta to Left Internal Iliac Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AD	Bypass Abdominal Aorta to Right External Iliac Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AF	Bypass Abdominal Aorta to Left External Iliac Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AH	Bypass Abdominal Aorta to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04104AJ	Bypass Abdominal Aorta to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AK	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AQ	Bypass Abdominal Aorta to Lower Extremity Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104AR	Bypass Abdominal Aorta to Lower Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104J6	Bypass Abdominal Aorta to Right Common Iliac Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104J7	Bypass Abdominal Aorta to Left Common Iliac Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104J8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104J9	Bypass Abdominal Aorta to Right Internal Iliac Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JB	Bypass Abdominal Aorta to Left Internal Iliac Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JD	Bypass Abdominal Aorta to Right External Iliac Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JF	Bypass Abdominal Aorta to Left External Iliac Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JH	Bypass Abdominal Aorta to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JJ	Bypass Abdominal Aorta to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JK	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JQ	Bypass Abdominal Aorta to Lower Extremity Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104JR	Bypass Abdominal Aorta to Lower Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104K6	Bypass Abdominal Aorta to Right Common Iliac Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104K7	Bypass Abdominal Aorta to Left Common Iliac Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104K8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04104K9	Bypass Abdominal Aorta to Right Internal Iliac Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KB	Bypass Abdominal Aorta to Left Internal Iliac Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KD	Bypass Abdominal Aorta to Right External Iliac Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KF	Bypass Abdominal Aorta to Left External Iliac Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KH	Bypass Abdominal Aorta to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KJ	Bypass Abdominal Aorta to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KK	Bypass Abdominal Aorta to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KQ	Bypass Abdominal Aorta to Lower Extremity Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104KR	Bypass Abdominal Aorta to Lower Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104Z6	Bypass Abdominal Aorta to Right Common Iliac Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104Z7	Bypass Abdominal Aorta to Left Common Iliac Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104Z8	Bypass Abdominal Aorta to Bilateral Common Iliac Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104Z9	Bypass Abdominal Aorta to Right Internal Iliac Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZB	Bypass Abdominal Aorta to Left Internal Iliac Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZC	Bypass Abdominal Aorta to Bilateral Internal Iliac Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZD	Bypass Abdominal Aorta to Right External Iliac Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZF	Bypass Abdominal Aorta to Left External Iliac Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZG	Bypass Abdominal Aorta to Bilateral External Iliac Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZH	Bypass Abdominal Aorta to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04104ZJ	Bypass Abdominal Aorta to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZK	Bypass Abdominal Aorta to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZQ	Bypass Abdominal Aorta to Lower Extremity Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04104ZR	Bypass Abdominal Aorta to Lower Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C09H	Bypass Right Common Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041C09J	Bypass Right Common Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041C09K	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041C0AH	Bypass Right Common Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041C0AJ	Bypass Right Common Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041C0AK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041C0JH	Bypass Right Common Iliac Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041C0JJ	Bypass Right Common Iliac Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041C0JK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041C0KH	Bypass Right Common Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041C0KJ	Bypass Right Common Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041C0KK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041C0ZH	Bypass Right Common Iliac Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041C0ZJ	Bypass Right Common Iliac Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041C0ZK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041C49H	Bypass Right Common Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C49J	Bypass Right Common Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C49K	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4AH	Bypass Right Common Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041C4AJ	Bypass Right Common Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4AK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4JH	Bypass Right Common Iliac Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4JJ	Bypass Right Common Iliac Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4JK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4KH	Bypass Right Common Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4KJ	Bypass Right Common Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4KK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4ZH	Bypass Right Common Iliac Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4ZJ	Bypass Right Common Iliac Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041C4ZK	Bypass Right Common Iliac Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D09H	Bypass Left Common Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041D09J	Bypass Left Common Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041D09K	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041D0AH	Bypass Left Common Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041D0AJ	Bypass Left Common Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041D0AK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041D0JH	Bypass Left Common Iliac Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041D0JJ	Bypass Left Common Iliac Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041D0JK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041D0KH	Bypass Left Common Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041D0KJ	Bypass Left Common Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041D0KK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041D0ZH	Bypass Left Common Iliac Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041D0ZJ	Bypass Left Common Iliac Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041D0ZK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041D49H	Bypass Left Common Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D49J	Bypass Left Common Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D49K	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4AH	Bypass Left Common Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4AJ	Bypass Left Common Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4AK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4JH	Bypass Left Common Iliac Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4JJ	Bypass Left Common Iliac Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4JK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4KH	Bypass Left Common Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4KJ	Bypass Left Common Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4KK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4ZH	Bypass Left Common Iliac Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4ZJ	Bypass Left Common Iliac Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041D4ZK	Bypass Left Common Iliac Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E09H	Bypass Right Internal Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041E09J	Bypass Right Internal Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041E09K	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041E0AH	Bypass Right Internal Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041E0AJ	Bypass Right Internal Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041E0AK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041E0JH	Bypass Right Internal Iliac Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041E0JJ	Bypass Right Internal Iliac Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041E0JK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041E0KH	Bypass Right Internal Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041E0KJ	Bypass Right Internal Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041E0KK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041E0ZH	Bypass Right Internal Iliac Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041E0ZJ	Bypass Right Internal Iliac Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041E0ZK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041E49H	Bypass Right Internal Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E49J	Bypass Right Internal Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E49K	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4AH	Bypass Right Internal Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4AJ	Bypass Right Internal Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4AK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4JH	Bypass Right Internal Iliac Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4JJ	Bypass Right Internal Iliac Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4JK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4KH	Bypass Right Internal Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4KJ	Bypass Right Internal Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041E4KK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4ZH	Bypass Right Internal Iliac Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4ZJ	Bypass Right Internal Iliac Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041E4ZK	Bypass Right Internal Iliac Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F09H	Bypass Left Internal Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041F09J	Bypass Left Internal Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041F09K	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041F0AH	Bypass Left Internal Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041F0AJ	Bypass Left Internal Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041F0AK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041F0JH	Bypass Left Internal Iliac Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041F0JJ	Bypass Left Internal Iliac Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041F0JK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041F0KH	Bypass Left Internal Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041F0KJ	Bypass Left Internal Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041F0KK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041F0ZH	Bypass Left Internal Iliac Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041F0ZJ	Bypass Left Internal Iliac Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041F0ZK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041F49H	Bypass Left Internal Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F49J	Bypass Left Internal Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F49K	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4AH	Bypass Left Internal Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041F4AJ	Bypass Left Internal Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4AK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4JH	Bypass Left Internal Iliac Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4JJ	Bypass Left Internal Iliac Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4JK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4KH	Bypass Left Internal Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4KJ	Bypass Left Internal Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4KK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4ZH	Bypass Left Internal Iliac Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4ZJ	Bypass Left Internal Iliac Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041F4ZK	Bypass Left Internal Iliac Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H09H	Bypass Right External Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041H09J	Bypass Right External Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041H09K	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041H0AH	Bypass Right External Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041H0AJ	Bypass Right External Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041H0AK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041H0JH	Bypass Right External Iliac Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041H0JJ	Bypass Right External Iliac Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041H0JK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041H0KH	Bypass Right External Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041H0KJ	Bypass Right External Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041H0KK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041H0ZH	Bypass Right External Iliac Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041H0ZJ	Bypass Right External Iliac Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041H0ZK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041H49H	Bypass Right External Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H49J	Bypass Right External Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H49K	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4AH	Bypass Right External Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4AJ	Bypass Right External Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4AK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4JH	Bypass Right External Iliac Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4JJ	Bypass Right External Iliac Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4JK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4KH	Bypass Right External Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4KJ	Bypass Right External Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4KK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4ZH	Bypass Right External Iliac Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4ZJ	Bypass Right External Iliac Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041H4ZK	Bypass Right External Iliac Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J09H	Bypass Left External Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041J09J	Bypass Left External Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041J09K	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041J0AH	Bypass Left External Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041J0AJ	Bypass Left External Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041J0AK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041J0JH	Bypass Left External Iliac Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041J0JJ	Bypass Left External Iliac Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041J0JK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041J0KH	Bypass Left External Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041J0KJ	Bypass Left External Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041J0KK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041J0ZH	Bypass Left External Iliac Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041J0ZJ	Bypass Left External Iliac Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041J0ZK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041J49H	Bypass Left External Iliac Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J49J	Bypass Left External Iliac Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J49K	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4AH	Bypass Left External Iliac Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4AJ	Bypass Left External Iliac Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4AK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4JH	Bypass Left External Iliac Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4JJ	Bypass Left External Iliac Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4JK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4KH	Bypass Left External Iliac Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4KJ	Bypass Left External Iliac Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041J4KK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4ZH	Bypass Left External Iliac Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4ZJ	Bypass Left External Iliac Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041J4ZK	Bypass Left External Iliac Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K09H	Bypass Right Femoral Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09J	Bypass Right Femoral Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09K	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09L	Bypass Right Femoral Artery to Popliteal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09M	Bypass Right Femoral Artery to Peroneal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09N	Bypass Right Femoral Artery to Posterior Tibial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09P	Bypass Right Femoral Artery to Foot Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09Q	Bypass Right Femoral Artery to Lower Extremity Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K09S	Bypass Right Femoral Artery to Lower Extremity Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041K0AH	Bypass Right Femoral Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AJ	Bypass Right Femoral Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AK	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AL	Bypass Right Femoral Artery to Popliteal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AM	Bypass Right Femoral Artery to Peroneal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AN	Bypass Right Femoral Artery to Posterior Tibial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AP	Bypass Right Femoral Artery to Foot Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0AQ	Bypass Right Femoral Artery to Lower Extremity Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041K0AS	Bypass Right Femoral Artery to Lower Extremity Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041K0JH	Bypass Right Femoral Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JJ	Bypass Right Femoral Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JK	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JL	Bypass Right Femoral Artery to Popliteal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JM	Bypass Right Femoral Artery to Peroneal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JN	Bypass Right Femoral Artery to Posterior Tibial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JP	Bypass Right Femoral Artery to Foot Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JQ	Bypass Right Femoral Artery to Lower Extremity Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0JS	Bypass Right Femoral Artery to Lower Extremity Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041K0KH	Bypass Right Femoral Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KJ	Bypass Right Femoral Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KK	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KL	Bypass Right Femoral Artery to Popliteal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KM	Bypass Right Femoral Artery to Peroneal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KN	Bypass Right Femoral Artery to Posterior Tibial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KP	Bypass Right Femoral Artery to Foot Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KQ	Bypass Right Femoral Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0KS	Bypass Right Femoral Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041K0ZH	Bypass Right Femoral Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041K0ZJ	Bypass Right Femoral Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041K0ZK	Bypass Right Femoral Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure
041K0ZL	Bypass Right Femoral Artery to Popliteal Artery, Open Approach	ICD-10-CM	Procedure
041K0ZM	Bypass Right Femoral Artery to Peroneal Artery, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041K0ZN	Bypass Right Femoral Artery to Posterior Tibial Artery, Open Approach	ICD-10-CM	Procedure
041K0ZP	Bypass Right Femoral Artery to Foot Artery, Open Approach	ICD-10-CM	Procedure
041K0ZQ	Bypass Right Femoral Artery to Lower Extremity Artery, Open Approach	ICD-10-CM	Procedure
041K0ZS	Bypass Right Femoral Artery to Lower Extremity Vein, Open Approach	ICD-10-CM	Procedure
041K49H	Bypass Right Femoral Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49J	Bypass Right Femoral Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49K	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49L	Bypass Right Femoral Artery to Popliteal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49M	Bypass Right Femoral Artery to Peroneal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49N	Bypass Right Femoral Artery to Posterior Tibial Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49P	Bypass Right Femoral Artery to Foot Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49Q	Bypass Right Femoral Artery to Lower Extremity Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K49S	Bypass Right Femoral Artery to Lower Extremity Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AH	Bypass Right Femoral Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AJ	Bypass Right Femoral Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AK	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AL	Bypass Right Femoral Artery to Popliteal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AM	Bypass Right Femoral Artery to Peroneal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AN	Bypass Right Femoral Artery to Posterior Tibial Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AP	Bypass Right Femoral Artery to Foot Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AQ	Bypass Right Femoral Artery to Lower Extremity Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4AS	Bypass Right Femoral Artery to Lower Extremity Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JH	Bypass Right Femoral Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041K4JJ	Bypass Right Femoral Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JK	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JL	Bypass Right Femoral Artery to Popliteal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JM	Bypass Right Femoral Artery to Peroneal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JN	Bypass Right Femoral Artery to Posterior Tibial Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JP	Bypass Right Femoral Artery to Foot Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JQ	Bypass Right Femoral Artery to Lower Extremity Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4JS	Bypass Right Femoral Artery to Lower Extremity Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KH	Bypass Right Femoral Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KJ	Bypass Right Femoral Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KK	Bypass Right Femoral Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KL	Bypass Right Femoral Artery to Popliteal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KM	Bypass Right Femoral Artery to Peroneal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KN	Bypass Right Femoral Artery to Posterior Tibial Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KP	Bypass Right Femoral Artery to Foot Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KQ	Bypass Right Femoral Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4KS	Bypass Right Femoral Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZH	Bypass Right Femoral Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZJ	Bypass Right Femoral Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZK	Bypass Right Femoral Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZL	Bypass Right Femoral Artery to Popliteal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041K4ZM	Bypass Right Femoral Artery to Peroneal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZN	Bypass Right Femoral Artery to Posterior Tibial Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZP	Bypass Right Femoral Artery to Foot Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZQ	Bypass Right Femoral Artery to Lower Extremity Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041K4ZS	Bypass Right Femoral Artery to Lower Extremity Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L09H	Bypass Left Femoral Artery to Right Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09J	Bypass Left Femoral Artery to Left Femoral Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09K	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09L	Bypass Left Femoral Artery to Popliteal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09M	Bypass Left Femoral Artery to Peroneal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09N	Bypass Left Femoral Artery to Posterior Tibial Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09P	Bypass Left Femoral Artery to Foot Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09Q	Bypass Left Femoral Artery to Lower Extremity Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L09S	Bypass Left Femoral Artery to Lower Extremity Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041L0AH	Bypass Left Femoral Artery to Right Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041L0AJ	Bypass Left Femoral Artery to Left Femoral Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041L0AK	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041L0AL	Bypass Left Femoral Artery to Popliteal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041L0AM	Bypass Left Femoral Artery to Peroneal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041L0AN	Bypass Left Femoral Artery to Posterior Tibial Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041L0AP	Bypass Left Femoral Artery to Foot Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041LOAQ	Bypass Left Femoral Artery to Lower Extremity Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041LOAS	Bypass Left Femoral Artery to Lower Extremity Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041LOJH	Bypass Left Femoral Artery to Right Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJJ	Bypass Left Femoral Artery to Left Femoral Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJK	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJL	Bypass Left Femoral Artery to Popliteal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJM	Bypass Left Femoral Artery to Peroneal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJN	Bypass Left Femoral Artery to Posterior Tibial Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJP	Bypass Left Femoral Artery to Foot Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJQ	Bypass Left Femoral Artery to Lower Extremity Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOJS	Bypass Left Femoral Artery to Lower Extremity Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041LOKH	Bypass Left Femoral Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKJ	Bypass Left Femoral Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKK	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKL	Bypass Left Femoral Artery to Popliteal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKM	Bypass Left Femoral Artery to Peroneal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKN	Bypass Left Femoral Artery to Posterior Tibial Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKP	Bypass Left Femoral Artery to Foot Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKQ	Bypass Left Femoral Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOKS	Bypass Left Femoral Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041LOZH	Bypass Left Femoral Artery to Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
041LOZJ	Bypass Left Femoral Artery to Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
041LOZK	Bypass Left Femoral Artery to Bilateral Femoral Arteries, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041L0ZL	Bypass Left Femoral Artery to Popliteal Artery, Open Approach	ICD-10-CM	Procedure
041L0ZM	Bypass Left Femoral Artery to Peroneal Artery, Open Approach	ICD-10-CM	Procedure
041L0ZN	Bypass Left Femoral Artery to Posterior Tibial Artery, Open Approach	ICD-10-CM	Procedure
041L0ZP	Bypass Left Femoral Artery to Foot Artery, Open Approach	ICD-10-CM	Procedure
041L0ZQ	Bypass Left Femoral Artery to Lower Extremity Artery, Open Approach	ICD-10-CM	Procedure
041L0ZS	Bypass Left Femoral Artery to Lower Extremity Vein, Open Approach	ICD-10-CM	Procedure
041L49H	Bypass Left Femoral Artery to Right Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49J	Bypass Left Femoral Artery to Left Femoral Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49K	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49L	Bypass Left Femoral Artery to Popliteal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49M	Bypass Left Femoral Artery to Peroneal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49N	Bypass Left Femoral Artery to Posterior Tibial Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49P	Bypass Left Femoral Artery to Foot Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49Q	Bypass Left Femoral Artery to Lower Extremity Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L49S	Bypass Left Femoral Artery to Lower Extremity Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AH	Bypass Left Femoral Artery to Right Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AJ	Bypass Left Femoral Artery to Left Femoral Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AK	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AL	Bypass Left Femoral Artery to Popliteal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AM	Bypass Left Femoral Artery to Peroneal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AN	Bypass Left Femoral Artery to Posterior Tibial Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AP	Bypass Left Femoral Artery to Foot Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AQ	Bypass Left Femoral Artery to Lower Extremity Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4AS	Bypass Left Femoral Artery to Lower Extremity Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041L4JH	Bypass Left Femoral Artery to Right Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JJ	Bypass Left Femoral Artery to Left Femoral Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JK	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JL	Bypass Left Femoral Artery to Popliteal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JM	Bypass Left Femoral Artery to Peroneal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JN	Bypass Left Femoral Artery to Posterior Tibial Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JP	Bypass Left Femoral Artery to Foot Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JQ	Bypass Left Femoral Artery to Lower Extremity Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4JS	Bypass Left Femoral Artery to Lower Extremity Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KH	Bypass Left Femoral Artery to Right Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KJ	Bypass Left Femoral Artery to Left Femoral Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KK	Bypass Left Femoral Artery to Bilateral Femoral Arteries with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KL	Bypass Left Femoral Artery to Popliteal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KM	Bypass Left Femoral Artery to Peroneal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KN	Bypass Left Femoral Artery to Posterior Tibial Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KP	Bypass Left Femoral Artery to Foot Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KQ	Bypass Left Femoral Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4KS	Bypass Left Femoral Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZH	Bypass Left Femoral Artery to Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZJ	Bypass Left Femoral Artery to Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZK	Bypass Left Femoral Artery to Bilateral Femoral Arteries, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041L4ZL	Bypass Left Femoral Artery to Popliteal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZM	Bypass Left Femoral Artery to Peroneal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZN	Bypass Left Femoral Artery to Posterior Tibial Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZP	Bypass Left Femoral Artery to Foot Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZQ	Bypass Left Femoral Artery to Lower Extremity Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041L4ZS	Bypass Left Femoral Artery to Lower Extremity Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M09L	Bypass Right Popliteal Artery to Popliteal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041M09M	Bypass Right Popliteal Artery to Peroneal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041M09P	Bypass Right Popliteal Artery to Foot Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041M09Q	Bypass Right Popliteal Artery to Lower Extremity Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041M09S	Bypass Right Popliteal Artery to Lower Extremity Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041M0AL	Bypass Right Popliteal Artery to Popliteal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041M0AM	Bypass Right Popliteal Artery to Peroneal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041M0AP	Bypass Right Popliteal Artery to Foot Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041M0AQ	Bypass Right Popliteal Artery to Lower Extremity Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041M0AS	Bypass Right Popliteal Artery to Lower Extremity Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041M0JL	Bypass Right Popliteal Artery to Popliteal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041M0JM	Bypass Right Popliteal Artery to Peroneal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041M0JP	Bypass Right Popliteal Artery to Foot Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041M0JQ	Bypass Right Popliteal Artery to Lower Extremity Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041M0JS	Bypass Right Popliteal Artery to Lower Extremity Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041M0KL	Bypass Right Popliteal Artery to Popliteal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041M0KM	Bypass Right Popliteal Artery to Peroneal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041M0KP	Bypass Right Popliteal Artery to Foot Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041M0KQ	Bypass Right Popliteal Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041M0KS	Bypass Right Popliteal Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041M0ZL	Bypass Right Popliteal Artery to Popliteal Artery, Open Approach	ICD-10-CM	Procedure
041M0ZM	Bypass Right Popliteal Artery to Peroneal Artery, Open Approach	ICD-10-CM	Procedure
041M0ZP	Bypass Right Popliteal Artery to Foot Artery, Open Approach	ICD-10-CM	Procedure
041M0ZQ	Bypass Right Popliteal Artery to Lower Extremity Artery, Open Approach	ICD-10-CM	Procedure
041M0ZS	Bypass Right Popliteal Artery to Lower Extremity Vein, Open Approach	ICD-10-CM	Procedure
041M49L	Bypass Right Popliteal Artery to Popliteal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M49M	Bypass Right Popliteal Artery to Peroneal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M49P	Bypass Right Popliteal Artery to Foot Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M49Q	Bypass Right Popliteal Artery to Lower Extremity Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M49S	Bypass Right Popliteal Artery to Lower Extremity Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4AL	Bypass Right Popliteal Artery to Popliteal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4AM	Bypass Right Popliteal Artery to Peroneal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4AP	Bypass Right Popliteal Artery to Foot Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4AQ	Bypass Right Popliteal Artery to Lower Extremity Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4AS	Bypass Right Popliteal Artery to Lower Extremity Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4JL	Bypass Right Popliteal Artery to Popliteal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4JM	Bypass Right Popliteal Artery to Peroneal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4JP	Bypass Right Popliteal Artery to Foot Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4JQ	Bypass Right Popliteal Artery to Lower Extremity Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4JS	Bypass Right Popliteal Artery to Lower Extremity Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041M4KL	Bypass Right Popliteal Artery to Popliteal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4KM	Bypass Right Popliteal Artery to Peroneal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4KP	Bypass Right Popliteal Artery to Foot Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4KQ	Bypass Right Popliteal Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4KS	Bypass Right Popliteal Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4ZL	Bypass Right Popliteal Artery to Popliteal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4ZM	Bypass Right Popliteal Artery to Peroneal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4ZP	Bypass Right Popliteal Artery to Foot Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4ZQ	Bypass Right Popliteal Artery to Lower Extremity Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041M4ZS	Bypass Right Popliteal Artery to Lower Extremity Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N09L	Bypass Left Popliteal Artery to Popliteal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041N09M	Bypass Left Popliteal Artery to Peroneal Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041N09P	Bypass Left Popliteal Artery to Foot Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041N09Q	Bypass Left Popliteal Artery to Lower Extremity Artery with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041N09S	Bypass Left Popliteal Artery to Lower Extremity Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
041N0AL	Bypass Left Popliteal Artery to Popliteal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041N0AM	Bypass Left Popliteal Artery to Peroneal Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041N0AP	Bypass Left Popliteal Artery to Foot Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041N0AQ	Bypass Left Popliteal Artery to Lower Extremity Artery with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041N0AS	Bypass Left Popliteal Artery to Lower Extremity Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
041N0JL	Bypass Left Popliteal Artery to Popliteal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041N0JM	Bypass Left Popliteal Artery to Peroneal Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041N0JP	Bypass Left Popliteal Artery to Foot Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041N0JQ	Bypass Left Popliteal Artery to Lower Extremity Artery with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041N0JS	Bypass Left Popliteal Artery to Lower Extremity Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
041N0KL	Bypass Left Popliteal Artery to Popliteal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041N0KM	Bypass Left Popliteal Artery to Peroneal Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041N0KP	Bypass Left Popliteal Artery to Foot Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041N0KQ	Bypass Left Popliteal Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041N0KS	Bypass Left Popliteal Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
041N0ZL	Bypass Left Popliteal Artery to Popliteal Artery, Open Approach	ICD-10-CM	Procedure
041N0ZM	Bypass Left Popliteal Artery to Peroneal Artery, Open Approach	ICD-10-CM	Procedure
041N0ZP	Bypass Left Popliteal Artery to Foot Artery, Open Approach	ICD-10-CM	Procedure
041N0ZQ	Bypass Left Popliteal Artery to Lower Extremity Artery, Open Approach	ICD-10-CM	Procedure
041N0ZS	Bypass Left Popliteal Artery to Lower Extremity Vein, Open Approach	ICD-10-CM	Procedure
041N49L	Bypass Left Popliteal Artery to Popliteal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N49M	Bypass Left Popliteal Artery to Peroneal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N49P	Bypass Left Popliteal Artery to Foot Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N49Q	Bypass Left Popliteal Artery to Lower Extremity Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N49S	Bypass Left Popliteal Artery to Lower Extremity Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4AL	Bypass Left Popliteal Artery to Popliteal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4AM	Bypass Left Popliteal Artery to Peroneal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4AP	Bypass Left Popliteal Artery to Foot Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4AQ	Bypass Left Popliteal Artery to Lower Extremity Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4AS	Bypass Left Popliteal Artery to Lower Extremity Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
041N4JL	Bypass Left Popliteal Artery to Popliteal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4JM	Bypass Left Popliteal Artery to Peroneal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4JP	Bypass Left Popliteal Artery to Foot Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4JQ	Bypass Left Popliteal Artery to Lower Extremity Artery with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4JS	Bypass Left Popliteal Artery to Lower Extremity Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4KL	Bypass Left Popliteal Artery to Popliteal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4KM	Bypass Left Popliteal Artery to Peroneal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4KP	Bypass Left Popliteal Artery to Foot Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4KQ	Bypass Left Popliteal Artery to Lower Extremity Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4KS	Bypass Left Popliteal Artery to Lower Extremity Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4ZL	Bypass Left Popliteal Artery to Popliteal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4ZM	Bypass Left Popliteal Artery to Peroneal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4ZP	Bypass Left Popliteal Artery to Foot Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4ZQ	Bypass Left Popliteal Artery to Lower Extremity Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
041N4ZS	Bypass Left Popliteal Artery to Lower Extremity Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CK0Z6	Extirpation of Matter from Right Femoral Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CK0ZZ	Extirpation of Matter from Right Femoral Artery, Open Approach	ICD-10-CM	Procedure
04CK3Z6	Extirpation of Matter from Right Femoral Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CK3ZZ	Extirpation of Matter from Right Femoral Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CK4Z6	Extirpation of Matter from Right Femoral Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CK4ZZ	Extirpation of Matter from Right Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CL0Z6	Extirpation of Matter from Left Femoral Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CL0ZZ	Extirpation of Matter from Left Femoral Artery, Open Approach	ICD-10-CM	Procedure
04CL3Z6	Extirpation of Matter from Left Femoral Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CL3ZZ	Extirpation of Matter from Left Femoral Artery, Percutaneous Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04CL4Z6	Extirpation of Matter from Left Femoral Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CL4ZZ	Extirpation of Matter from Left Femoral Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CM0Z6	Extirpation of Matter from Right Popliteal Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CM0ZZ	Extirpation of Matter from Right Popliteal Artery, Open Approach	ICD-10-CM	Procedure
04CM3Z6	Extirpation of Matter from Right Popliteal Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CM3ZZ	Extirpation of Matter from Right Popliteal Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CM4Z6	Extirpation of Matter from Right Popliteal Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CM4ZZ	Extirpation of Matter from Right Popliteal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CN0Z6	Extirpation of Matter from Left Popliteal Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CN0ZZ	Extirpation of Matter from Left Popliteal Artery, Open Approach	ICD-10-CM	Procedure
04CN3Z6	Extirpation of Matter from Left Popliteal Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CN3ZZ	Extirpation of Matter from Left Popliteal Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CN4Z6	Extirpation of Matter from Left Popliteal Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CN4ZZ	Extirpation of Matter from Left Popliteal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CP0Z6	Extirpation of Matter from Right Anterior Tibial Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CP0ZZ	Extirpation of Matter from Right Anterior Tibial Artery, Open Approach	ICD-10-CM	Procedure
04CP3Z6	Extirpation of Matter from Right Anterior Tibial Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CP3ZZ	Extirpation of Matter from Right Anterior Tibial Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CP4Z6	Extirpation of Matter from Right Anterior Tibial Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CP4ZZ	Extirpation of Matter from Right Anterior Tibial Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CQ0Z6	Extirpation of Matter from Left Anterior Tibial Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CQ0ZZ	Extirpation of Matter from Left Anterior Tibial Artery, Open Approach	ICD-10-CM	Procedure
04CQ3Z6	Extirpation of Matter from Left Anterior Tibial Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CQ3ZZ	Extirpation of Matter from Left Anterior Tibial Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CQ4Z6	Extirpation of Matter from Left Anterior Tibial Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CQ4ZZ	Extirpation of Matter from Left Anterior Tibial Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04CR0Z6	Extirpation of Matter from Right Posterior Tibial Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CR0ZZ	Extirpation of Matter from Right Posterior Tibial Artery, Open Approach	ICD-10-CM	Procedure
04CR3Z6	Extirpation of Matter from Right Posterior Tibial Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CR3ZZ	Extirpation of Matter from Right Posterior Tibial Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CR4Z6	Extirpation of Matter from Right Posterior Tibial Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CR4ZZ	Extirpation of Matter from Right Posterior Tibial Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CS0Z6	Extirpation of Matter from Left Posterior Tibial Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CS0ZZ	Extirpation of Matter from Left Posterior Tibial Artery, Open Approach	ICD-10-CM	Procedure
04CS3Z6	Extirpation of Matter from Left Posterior Tibial Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CS3ZZ	Extirpation of Matter from Left Posterior Tibial Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CS4Z6	Extirpation of Matter from Left Posterior Tibial Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CS4ZZ	Extirpation of Matter from Left Posterior Tibial Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CT0Z6	Extirpation of Matter from Right Peroneal Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CT0ZZ	Extirpation of Matter from Right Peroneal Artery, Open Approach	ICD-10-CM	Procedure
04CT3Z6	Extirpation of Matter from Right Peroneal Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CT3ZZ	Extirpation of Matter from Right Peroneal Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CT4Z6	Extirpation of Matter from Right Peroneal Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CT4ZZ	Extirpation of Matter from Right Peroneal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CU0Z6	Extirpation of Matter from Left Peroneal Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CU0ZZ	Extirpation of Matter from Left Peroneal Artery, Open Approach	ICD-10-CM	Procedure
04CU3Z6	Extirpation of Matter from Left Peroneal Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CU3ZZ	Extirpation of Matter from Left Peroneal Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CU4Z6	Extirpation of Matter from Left Peroneal Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CU4ZZ	Extirpation of Matter from Left Peroneal Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CV0Z6	Extirpation of Matter from Right Foot Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CV0ZZ	Extirpation of Matter from Right Foot Artery, Open Approach	ICD-10-CM	Procedure
04CV3Z6	Extirpation of Matter from Right Foot Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
04CV3ZZ	Extirpation of Matter from Right Foot Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CV4Z6	Extirpation of Matter from Right Foot Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CV4ZZ	Extirpation of Matter from Right Foot Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CW0Z6	Extirpation of Matter from Left Foot Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CW0ZZ	Extirpation of Matter from Left Foot Artery, Open Approach	ICD-10-CM	Procedure
04CW3Z6	Extirpation of Matter from Left Foot Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CW3ZZ	Extirpation of Matter from Left Foot Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CW4Z6	Extirpation of Matter from Left Foot Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CW4ZZ	Extirpation of Matter from Left Foot Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CY0Z6	Extirpation of Matter from Lower Artery, Bifurcation, Open Approach	ICD-10-CM	Procedure
04CY0ZZ	Extirpation of Matter from Lower Artery, Open Approach	ICD-10-CM	Procedure
04CY3Z6	Extirpation of Matter from Lower Artery, Bifurcation, Percutaneous Approach	ICD-10-CM	Procedure
04CY3ZZ	Extirpation of Matter from Lower Artery, Percutaneous Approach	ICD-10-CM	Procedure
04CY4Z6	Extirpation of Matter from Lower Artery, Bifurcation, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
04CY4ZZ	Extirpation of Matter from Lower Artery, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051707Y	Bypass Right Axillary Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051709Y	Bypass Right Axillary Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
05170AY	Bypass Right Axillary Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
05170JY	Bypass Right Axillary Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
05170KY	Bypass Right Axillary Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
05170ZY	Bypass Right Axillary Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051747Y	Bypass Right Axillary Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051749Y	Bypass Right Axillary Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05174AY	Bypass Right Axillary Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05174JY	Bypass Right Axillary Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05174KY	Bypass Right Axillary Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05174ZY	Bypass Right Axillary Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051807Y	Bypass Left Axillary Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051809Y	Bypass Left Axillary Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
05180AY	Bypass Left Axillary Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
05180JY	Bypass Left Axillary Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
05180KY	Bypass Left Axillary Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
05180ZY	Bypass Left Axillary Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051847Y	Bypass Left Axillary Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051849Y	Bypass Left Axillary Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05184AY	Bypass Left Axillary Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05184JY	Bypass Left Axillary Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05184KY	Bypass Left Axillary Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05184ZY	Bypass Left Axillary Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051907Y	Bypass Right Brachial Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051909Y	Bypass Right Brachial Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
05190AY	Bypass Right Brachial Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
05190JY	Bypass Right Brachial Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
05190KY	Bypass Right Brachial Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
05190ZY	Bypass Right Brachial Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051947Y	Bypass Right Brachial Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051949Y	Bypass Right Brachial Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05194AY	Bypass Right Brachial Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05194JY	Bypass Right Brachial Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
05194KY	Bypass Right Brachial Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
05194ZY	Bypass Right Brachial Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051A07Y	Bypass Left Brachial Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051A09Y	Bypass Left Brachial Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051A0AY	Bypass Left Brachial Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051A0JY	Bypass Left Brachial Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051A0KY	Bypass Left Brachial Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051A0ZY	Bypass Left Brachial Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051A47Y	Bypass Left Brachial Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051A49Y	Bypass Left Brachial Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051A4AY	Bypass Left Brachial Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051A4JY	Bypass Left Brachial Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051A4KY	Bypass Left Brachial Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051A4ZY	Bypass Left Brachial Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051B07Y	Bypass Right Basilic Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051B09Y	Bypass Right Basilic Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051B0AY	Bypass Right Basilic Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051B0JY	Bypass Right Basilic Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051B0KY	Bypass Right Basilic Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051B0ZY	Bypass Right Basilic Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051B47Y	Bypass Right Basilic Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051B49Y	Bypass Right Basilic Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051B4AY	Bypass Right Basilic Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051B4JY	Bypass Right Basilic Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051B4KY	Bypass Right Basilic Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051B4ZY	Bypass Right Basilic Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051C07Y	Bypass Left Basilic Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051C09Y	Bypass Left Basilic Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051C0AY	Bypass Left Basilic Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051C0JY	Bypass Left Basilic Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051C0KY	Bypass Left Basilic Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051C0ZY	Bypass Left Basilic Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051C47Y	Bypass Left Basilic Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051C49Y	Bypass Left Basilic Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051C4AY	Bypass Left Basilic Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051C4JY	Bypass Left Basilic Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051C4KY	Bypass Left Basilic Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051C4ZY	Bypass Left Basilic Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051D07Y	Bypass Right Cephalic Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051D09Y	Bypass Right Cephalic Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051D0AY	Bypass Right Cephalic Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051D0JY	Bypass Right Cephalic Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051D0KY	Bypass Right Cephalic Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051D0ZY	Bypass Right Cephalic Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051D47Y	Bypass Right Cephalic Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051D49Y	Bypass Right Cephalic Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051D4AY	Bypass Right Cephalic Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051D4JY	Bypass Right Cephalic Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051D4KY	Bypass Right Cephalic Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051D4ZY	Bypass Right Cephalic Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051F07Y	Bypass Left Cephalic Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051F09Y	Bypass Left Cephalic Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051F0AY	Bypass Left Cephalic Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051F0JY	Bypass Left Cephalic Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051F0KY	Bypass Left Cephalic Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051F0ZY	Bypass Left Cephalic Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051F47Y	Bypass Left Cephalic Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051F49Y	Bypass Left Cephalic Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051F4AY	Bypass Left Cephalic Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051F4JY	Bypass Left Cephalic Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051F4KY	Bypass Left Cephalic Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051F4ZY	Bypass Left Cephalic Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051G07Y	Bypass Right Hand Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051G09Y	Bypass Right Hand Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051G0AY	Bypass Right Hand Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051G0JY	Bypass Right Hand Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051G0KY	Bypass Right Hand Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051G0ZY	Bypass Right Hand Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051G47Y	Bypass Right Hand Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051G49Y	Bypass Right Hand Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051G4AY	Bypass Right Hand Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051G4JY	Bypass Right Hand Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051G4KY	Bypass Right Hand Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051G4ZY	Bypass Right Hand Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051H07Y	Bypass Left Hand Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051H09Y	Bypass Left Hand Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051H0AY	Bypass Left Hand Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051H0JY	Bypass Left Hand Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051H0KY	Bypass Left Hand Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051H0ZY	Bypass Left Hand Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051H47Y	Bypass Left Hand Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051H49Y	Bypass Left Hand Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051H4AY	Bypass Left Hand Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051H4JY	Bypass Left Hand Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051H4KY	Bypass Left Hand Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051H4ZY	Bypass Left Hand Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051L07Y	Bypass Intracranial Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051L09Y	Bypass Intracranial Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051L0AY	Bypass Intracranial Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051L0JY	Bypass Intracranial Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051L0KY	Bypass Intracranial Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051L0ZY	Bypass Intracranial Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051L47Y	Bypass Intracranial Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051L49Y	Bypass Intracranial Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051L4AY	Bypass Intracranial Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051L4JY	Bypass Intracranial Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051L4KY	Bypass Intracranial Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051L4ZY	Bypass Intracranial Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051M07Y	Bypass Right Internal Jugular Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051M09Y	Bypass Right Internal Jugular Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051M0AY	Bypass Right Internal Jugular Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051M0JY	Bypass Right Internal Jugular Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051M0KY	Bypass Right Internal Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051M0ZY	Bypass Right Internal Jugular Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051M47Y	Bypass Right Internal Jugular Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051M49Y	Bypass Right Internal Jugular Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051M4AY	Bypass Right Internal Jugular Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051M4JY	Bypass Right Internal Jugular Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051M4KY	Bypass Right Internal Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051M4ZY	Bypass Right Internal Jugular Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051N07Y	Bypass Left Internal Jugular Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051N09Y	Bypass Left Internal Jugular Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051N0AY	Bypass Left Internal Jugular Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051N0JY	Bypass Left Internal Jugular Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051N0KY	Bypass Left Internal Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051N0ZY	Bypass Left Internal Jugular Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051N47Y	Bypass Left Internal Jugular Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051N49Y	Bypass Left Internal Jugular Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051N4AY	Bypass Left Internal Jugular Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051N4JY	Bypass Left Internal Jugular Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051N4KY	Bypass Left Internal Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051N4ZY	Bypass Left Internal Jugular Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051P07Y	Bypass Right External Jugular Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051P09Y	Bypass Right External Jugular Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051P0AY	Bypass Right External Jugular Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051P0JY	Bypass Right External Jugular Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051P0KY	Bypass Right External Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051P0ZY	Bypass Right External Jugular Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051P47Y	Bypass Right External Jugular Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051P49Y	Bypass Right External Jugular Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051P4AY	Bypass Right External Jugular Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051P4JY	Bypass Right External Jugular Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051P4KY	Bypass Right External Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051P4ZY	Bypass Right External Jugular Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051Q07Y	Bypass Left External Jugular Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051Q09Y	Bypass Left External Jugular Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051Q0AY	Bypass Left External Jugular Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051Q0JY	Bypass Left External Jugular Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051Q0KY	Bypass Left External Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051Q0ZY	Bypass Left External Jugular Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051Q47Y	Bypass Left External Jugular Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051Q49Y	Bypass Left External Jugular Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051Q4AY	Bypass Left External Jugular Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051Q4JY	Bypass Left External Jugular Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051Q4KY	Bypass Left External Jugular Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051Q4ZY	Bypass Left External Jugular Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051R07Y	Bypass Right Vertebral Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051R09Y	Bypass Right Vertebral Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051R0AY	Bypass Right Vertebral Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051R0JY	Bypass Right Vertebral Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051R0KY	Bypass Right Vertebral Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051R0ZY	Bypass Right Vertebral Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051R47Y	Bypass Right Vertebral Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051R49Y	Bypass Right Vertebral Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051R4AY	Bypass Right Vertebral Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051R4JY	Bypass Right Vertebral Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051R4KY	Bypass Right Vertebral Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051R4ZY	Bypass Right Vertebral Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051S07Y	Bypass Left Vertebral Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051S09Y	Bypass Left Vertebral Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051S0AY	Bypass Left Vertebral Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051S0JY	Bypass Left Vertebral Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051S0KY	Bypass Left Vertebral Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051S0ZY	Bypass Left Vertebral Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051S47Y	Bypass Left Vertebral Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051S49Y	Bypass Left Vertebral Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051S4AY	Bypass Left Vertebral Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051S4JY	Bypass Left Vertebral Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051S4KY	Bypass Left Vertebral Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051S4ZY	Bypass Left Vertebral Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051T07Y	Bypass Right Face Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051T09Y	Bypass Right Face Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051T0AY	Bypass Right Face Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051T0JY	Bypass Right Face Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
051T0KY	Bypass Right Face Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051T0ZY	Bypass Right Face Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051T47Y	Bypass Right Face Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051T49Y	Bypass Right Face Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051T4AY	Bypass Right Face Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051T4JY	Bypass Right Face Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051T4KY	Bypass Right Face Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051T4ZY	Bypass Right Face Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051V07Y	Bypass Left Face Vein to Upper Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051V09Y	Bypass Left Face Vein to Upper Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
051V0AY	Bypass Left Face Vein to Upper Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
051V0JY	Bypass Left Face Vein to Upper Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
051V0KY	Bypass Left Face Vein to Upper Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
051V0ZY	Bypass Left Face Vein to Upper Vein, Open Approach	ICD-10-CM	Procedure
051V47Y	Bypass Left Face Vein to Upper Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051V49Y	Bypass Left Face Vein to Upper Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051V4AY	Bypass Left Face Vein to Upper Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051V4JY	Bypass Left Face Vein to Upper Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051V4KY	Bypass Left Face Vein to Upper Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
051V4ZY	Bypass Left Face Vein to Upper Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061307Y	Bypass Esophageal Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061309Y	Bypass Esophageal Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
06130AY	Bypass Esophageal Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
06130JY	Bypass Esophageal Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
06130KY	Bypass Esophageal Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
06130ZY	Bypass Esophageal Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061347Y	Bypass Esophageal Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061349Y	Bypass Esophageal Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
06134AY	Bypass Esophageal Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
06134JY	Bypass Esophageal Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
06134KY	Bypass Esophageal Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
06134ZY	Bypass Esophageal Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061C07Y	Bypass Right Common Iliac Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061C09Y	Bypass Right Common Iliac Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061C0AY	Bypass Right Common Iliac Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061C0JY	Bypass Right Common Iliac Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061C0KY	Bypass Right Common Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061C0ZY	Bypass Right Common Iliac Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061C47Y	Bypass Right Common Iliac Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061C49Y	Bypass Right Common Iliac Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061C4AY	Bypass Right Common Iliac Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061C4JY	Bypass Right Common Iliac Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061C4KY	Bypass Right Common Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061C4ZY	Bypass Right Common Iliac Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061D07Y	Bypass Left Common Iliac Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061D09Y	Bypass Left Common Iliac Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061D0AY	Bypass Left Common Iliac Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061D0JY	Bypass Left Common Iliac Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061D0KY	Bypass Left Common Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061D0ZY	Bypass Left Common Iliac Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061D47Y	Bypass Left Common Iliac Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061D49Y	Bypass Left Common Iliac Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061D4AY	Bypass Left Common Iliac Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061D4JY	Bypass Left Common Iliac Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061D4KY	Bypass Left Common Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061D4ZY	Bypass Left Common Iliac Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061F07Y	Bypass Right External Iliac Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061F09Y	Bypass Right External Iliac Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061F0AY	Bypass Right External Iliac Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061F0JY	Bypass Right External Iliac Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061F0KY	Bypass Right External Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061F0ZY	Bypass Right External Iliac Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061F47Y	Bypass Right External Iliac Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061F49Y	Bypass Right External Iliac Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061F4AY	Bypass Right External Iliac Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061F4JY	Bypass Right External Iliac Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061F4KY	Bypass Right External Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061F4ZY	Bypass Right External Iliac Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061G07Y	Bypass Left External Iliac Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061G09Y	Bypass Left External Iliac Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061G0AY	Bypass Left External Iliac Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061G0JY	Bypass Left External Iliac Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061G0KY	Bypass Left External Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061G0ZY	Bypass Left External Iliac Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061G47Y	Bypass Left External Iliac Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061G49Y	Bypass Left External Iliac Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061G4AY	Bypass Left External Iliac Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061G4JY	Bypass Left External Iliac Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061G4KY	Bypass Left External Iliac Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061G4ZY	Bypass Left External Iliac Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061H07Y	Bypass Right Hypogastric Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061H09Y	Bypass Right Hypogastric Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061H0AY	Bypass Right Hypogastric Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061H0JY	Bypass Right Hypogastric Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061H0KY	Bypass Right Hypogastric Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061H0ZY	Bypass Right Hypogastric Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061H47Y	Bypass Right Hypogastric Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061H49Y	Bypass Right Hypogastric Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061H4AY	Bypass Right Hypogastric Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061H4JY	Bypass Right Hypogastric Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061H4KY	Bypass Right Hypogastric Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061H4ZY	Bypass Right Hypogastric Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061M07Y	Bypass Right Femoral Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061M09Y	Bypass Right Femoral Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061M0AY	Bypass Right Femoral Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061M0JY	Bypass Right Femoral Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061M0KY	Bypass Right Femoral Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061M0ZY	Bypass Right Femoral Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061M47Y	Bypass Right Femoral Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061M49Y	Bypass Right Femoral Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061M4AY	Bypass Right Femoral Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061M4JY	Bypass Right Femoral Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061M4KY	Bypass Right Femoral Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061M4ZY	Bypass Right Femoral Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061N07Y	Bypass Left Femoral Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061N09Y	Bypass Left Femoral Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061N0AY	Bypass Left Femoral Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061N0JY	Bypass Left Femoral Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061N0KY	Bypass Left Femoral Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061N0ZY	Bypass Left Femoral Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061N47Y	Bypass Left Femoral Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061N49Y	Bypass Left Femoral Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061N4AY	Bypass Left Femoral Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061N4JY	Bypass Left Femoral Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061N4KY	Bypass Left Femoral Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061N4ZY	Bypass Left Femoral Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061P07Y	Bypass Right Greater Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061P09Y	Bypass Right Greater Saphenous Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061P0AY	Bypass Right Greater Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061P0JY	Bypass Right Greater Saphenous Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061P0KY	Bypass Right Greater Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061P0ZY	Bypass Right Greater Saphenous Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061P47Y	Bypass Right Greater Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061P49Y	Bypass Right Greater Saphenous Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061P4AY	Bypass Right Greater Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061P4JY	Bypass Right Greater Saphenous Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061P4KY	Bypass Right Greater Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061P4ZY	Bypass Right Greater Saphenous Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061Q07Y	Bypass Left Greater Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061Q09Y	Bypass Left Greater Saphenous Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061Q0AY	Bypass Left Greater Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061Q0JY	Bypass Left Greater Saphenous Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061Q0KY	Bypass Left Greater Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061Q0ZY	Bypass Left Greater Saphenous Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061Q47Y	Bypass Left Greater Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061Q49Y	Bypass Left Greater Saphenous Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061Q4AY	Bypass Left Greater Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061Q4JY	Bypass Left Greater Saphenous Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061Q4KY	Bypass Left Greater Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061Q4ZY	Bypass Left Greater Saphenous Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061R07Y	Bypass Right Lesser Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061R09Y	Bypass Right Lesser Saphenous Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061R0AY	Bypass Right Lesser Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061R0JY	Bypass Right Lesser Saphenous Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061R0KY	Bypass Right Lesser Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061R0ZY	Bypass Right Lesser Saphenous Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061R47Y	Bypass Right Lesser Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061R49Y	Bypass Right Lesser Saphenous Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061R4AY	Bypass Right Lesser Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061R4JY	Bypass Right Lesser Saphenous Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061R4KY	Bypass Right Lesser Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061R4ZY	Bypass Right Lesser Saphenous Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061S07Y	Bypass Left Lesser Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061S09Y	Bypass Left Lesser Saphenous Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061S0AY	Bypass Left Lesser Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061S0JY	Bypass Left Lesser Saphenous Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061S0KY	Bypass Left Lesser Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061S0ZY	Bypass Left Lesser Saphenous Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061S47Y	Bypass Left Lesser Saphenous Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061S49Y	Bypass Left Lesser Saphenous Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061S4AY	Bypass Left Lesser Saphenous Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061S4JY	Bypass Left Lesser Saphenous Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061S4KY	Bypass Left Lesser Saphenous Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061S4ZY	Bypass Left Lesser Saphenous Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061T07Y	Bypass Right Foot Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061T09Y	Bypass Right Foot Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061T0AY	Bypass Right Foot Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061T0JY	Bypass Right Foot Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
061T0KY	Bypass Right Foot Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061T0ZY	Bypass Right Foot Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061T47Y	Bypass Right Foot Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061T49Y	Bypass Right Foot Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061T4AY	Bypass Right Foot Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061T4JY	Bypass Right Foot Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061T4KY	Bypass Right Foot Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061T4ZY	Bypass Right Foot Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061V07Y	Bypass Left Foot Vein to Lower Vein with Autologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061V09Y	Bypass Left Foot Vein to Lower Vein with Autologous Venous Tissue, Open Approach	ICD-10-CM	Procedure
061V0AY	Bypass Left Foot Vein to Lower Vein with Autologous Arterial Tissue, Open Approach	ICD-10-CM	Procedure
061V0JY	Bypass Left Foot Vein to Lower Vein with Synthetic Substitute, Open Approach	ICD-10-CM	Procedure
061V0KY	Bypass Left Foot Vein to Lower Vein with Nonautologous Tissue Substitute, Open Approach	ICD-10-CM	Procedure
061V0ZY	Bypass Left Foot Vein to Lower Vein, Open Approach	ICD-10-CM	Procedure
061V47Y	Bypass Left Foot Vein to Lower Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061V49Y	Bypass Left Foot Vein to Lower Vein with Autologous Venous Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061V4AY	Bypass Left Foot Vein to Lower Vein with Autologous Arterial Tissue, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061V4JY	Bypass Left Foot Vein to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061V4KY	Bypass Left Foot Vein to Lower Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
061V4ZY	Bypass Left Foot Vein to Lower Vein, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0Y6C0Z1	Detachment at Right Upper Leg, High, Open Approach	ICD-10-CM	Procedure
0Y6C0Z2	Detachment at Right Upper Leg, Mid, Open Approach	ICD-10-CM	Procedure
0Y6C0Z3	Detachment at Right Upper Leg, Low, Open Approach	ICD-10-CM	Procedure
0Y6D0Z1	Detachment at Left Upper Leg, High, Open Approach	ICD-10-CM	Procedure
0Y6D0Z2	Detachment at Left Upper Leg, Mid, Open Approach	ICD-10-CM	Procedure
0Y6D0Z3	Detachment at Left Upper Leg, Low, Open Approach	ICD-10-CM	Procedure
0Y6F0ZZ	Detachment at Right Knee Region, Open Approach	ICD-10-CM	Procedure
0Y6G0ZZ	Detachment at Left Knee Region, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0Y6H0Z1	Detachment at Right Lower Leg, High, Open Approach	ICD-10-CM	Procedure
0Y6H0Z2	Detachment at Right Lower Leg, Mid, Open Approach	ICD-10-CM	Procedure
0Y6H0Z3	Detachment at Right Lower Leg, Low, Open Approach	ICD-10-CM	Procedure
0Y6J0Z1	Detachment at Left Lower Leg, High, Open Approach	ICD-10-CM	Procedure
0Y6J0Z2	Detachment at Left Lower Leg, Mid, Open Approach	ICD-10-CM	Procedure
0Y6J0Z3	Detachment at Left Lower Leg, Low, Open Approach	ICD-10-CM	Procedure
0Y6M0Z0	Detachment at Right Foot, Complete, Open Approach	ICD-10-CM	Procedure
0Y6M0Z4	Detachment at Right Foot, Complete 1st Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0Z5	Detachment at Right Foot, Complete 2nd Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0Z6	Detachment at Right Foot, Complete 3rd Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0Z7	Detachment at Right Foot, Complete 4th Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0Z8	Detachment at Right Foot, Complete 5th Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0Z9	Detachment at Right Foot, Partial 1st Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0ZB	Detachment at Right Foot, Partial 2nd Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0ZC	Detachment at Right Foot, Partial 3rd Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0ZD	Detachment at Right Foot, Partial 4th Ray, Open Approach	ICD-10-CM	Procedure
0Y6M0ZF	Detachment at Right Foot, Partial 5th Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0Z0	Detachment at Left Foot, Complete, Open Approach	ICD-10-CM	Procedure
0Y6N0Z4	Detachment at Left Foot, Complete 1st Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0Z5	Detachment at Left Foot, Complete 2nd Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0Z6	Detachment at Left Foot, Complete 3rd Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0Z7	Detachment at Left Foot, Complete 4th Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0Z8	Detachment at Left Foot, Complete 5th Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0Z9	Detachment at Left Foot, Partial 1st Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0ZB	Detachment at Left Foot, Partial 2nd Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0ZC	Detachment at Left Foot, Partial 3rd Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0ZD	Detachment at Left Foot, Partial 4th Ray, Open Approach	ICD-10-CM	Procedure
0Y6N0ZF	Detachment at Left Foot, Partial 5th Ray, Open Approach	ICD-10-CM	Procedure
0Y6P0Z0	Detachment at Right 1st Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6P0Z1	Detachment at Right 1st Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6P0Z2	Detachment at Right 1st Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6P0Z3	Detachment at Right 1st Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6Q0Z0	Detachment at Left 1st Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6Q0Z1	Detachment at Left 1st Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6Q0Z2	Detachment at Left 1st Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6Q0Z3	Detachment at Left 1st Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6R0Z0	Detachment at Right 2nd Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6R0Z1	Detachment at Right 2nd Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6R0Z2	Detachment at Right 2nd Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6R0Z3	Detachment at Right 2nd Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6S0Z0	Detachment at Left 2nd Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6S0Z1	Detachment at Left 2nd Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6S0Z2	Detachment at Left 2nd Toe, Mid, Open Approach	ICD-10-CM	Procedure

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

Code	Description	Code Type	Code Category
0Y6S0Z3	Detachment at Left 2nd Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6T0Z0	Detachment at Right 3rd Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6T0Z1	Detachment at Right 3rd Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6T0Z2	Detachment at Right 3rd Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6T0Z3	Detachment at Right 3rd Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6U0Z0	Detachment at Left 3rd Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6U0Z1	Detachment at Left 3rd Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6U0Z2	Detachment at Left 3rd Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6U0Z3	Detachment at Left 3rd Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6V0Z0	Detachment at Right 4th Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6V0Z1	Detachment at Right 4th Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6V0Z2	Detachment at Right 4th Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6V0Z3	Detachment at Right 4th Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6W0Z0	Detachment at Left 4th Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6W0Z1	Detachment at Left 4th Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6W0Z2	Detachment at Left 4th Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6W0Z3	Detachment at Left 4th Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6X0Z0	Detachment at Right 5th Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6X0Z1	Detachment at Right 5th Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6X0Z2	Detachment at Right 5th Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6X0Z3	Detachment at Right 5th Toe, Low, Open Approach	ICD-10-CM	Procedure
0Y6Y0Z0	Detachment at Left 5th Toe, Complete, Open Approach	ICD-10-CM	Procedure
0Y6Y0Z1	Detachment at Left 5th Toe, High, Open Approach	ICD-10-CM	Procedure
0Y6Y0Z2	Detachment at Left 5th Toe, Mid, Open Approach	ICD-10-CM	Procedure
0Y6Y0Z3	Detachment at Left 5th Toe, Low, Open Approach	ICD-10-CM	Procedure
27295	Disarticulation of hip	CPT-4	Procedure
27590	Amputation, thigh, through femur, any level;	CPT-4	Procedure
27591	Amputation, thigh, through femur, any level; immediate fitting technique including first cast	CPT-4	Procedure
27592	Amputation, thigh, through femur, any level; open, circular (guillotine)	CPT-4	Procedure
27598	Disarticulation at knee	CPT-4	Procedure
27880	Amputation, leg, through tibia and fibula;	CPT-4	Procedure
27881	Amputation, leg, through tibia and fibula; with immediate fitting technique including application of first cast	CPT-4	Procedure
27882	Amputation, leg, through tibia and fibula; open, circular (guillotine)	CPT-4	Procedure
27888	Amputation, ankle, through malleoli of tibia and fibula (eg, Syme, Pirogoff type procedures), with plastic closure and resection of nerves	CPT-4	Procedure
27889	Ankle disarticulation	CPT-4	Procedure
28800	Amputation, foot; midtarsal (eg, Chopart type procedure)	CPT-4	Procedure
28805	Amputation, foot; transmetatarsal	CPT-4	Procedure
28810	Amputation, metatarsal, with toe, single	CPT-4	Procedure
28820	Amputation, toe; metatarsophalangeal joint	CPT-4	Procedure
28825	Amputation, toe; interphalangeal joint	CPT-4	Procedure

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Code	Description	Code Type	Code Category
35351	Thromboendarterectomy, including patch graft, if performed; iliac	CPT-4	Procedure
35355	Thromboendarterectomy, including patch graft, if performed; iliofemoral	CPT-4	Procedure
35361	Thromboendarterectomy, including patch graft, if performed; combined aortoiliac	CPT-4	Procedure
35363	Thromboendarterectomy, including patch graft, if performed; combined aortoiliofemoral	CPT-4	Procedure
35371	Thromboendarterectomy, including patch graft, if performed; common femoral	CPT-4	Procedure
35372	Thromboendarterectomy, including patch graft, if performed; deep (profunda) femoral	CPT-4	Procedure
35454	Transluminal balloon angioplasty, open; iliac	CPT-4	Procedure
35456	Transluminal balloon angioplasty, open; femoral-popliteal	CPT-4	Procedure
35459	Transluminal balloon angioplasty, open; tibioperoneal trunk and branches	CPT-4	Procedure
35470	Transluminal balloon angioplasty, percutaneous; tibioperoneal trunk or branches, each vessel	CPT-4	Procedure
35473	Transluminal balloon angioplasty, percutaneous; iliac	CPT-4	Procedure
35474	Transluminal balloon angioplasty, percutaneous; femoral-popliteal	CPT-4	Procedure
35482	Transluminal peripheral atherectomy, open; iliac	CPT-4	Procedure
35483	Transluminal peripheral atherectomy, open; femoral-popliteal	CPT-4	Procedure
35492	Transluminal peripheral atherectomy, percutaneous; iliac	CPT-4	Procedure
35493	Transluminal peripheral atherectomy, percutaneous; femoral-popliteal	CPT-4	Procedure
35495	Transluminal peripheral atherectomy, percutaneous; tibioperoneal trunk and branches	CPT-4	Procedure
35521	Bypass graft, with vein; axillary-femoral	CPT-4	Procedure
35533	Bypass graft, with vein; axillary-femoral-femoral	CPT-4	Procedure
35541	Bypass graft, with vein; aortoiliac or bi-iliac	CPT-4	Procedure
35546	Bypass graft, with vein; aortofemoral or bifemoral	CPT-4	Procedure
35548	Bypass graft, with vein; aortoiliofemoral, unilateral	CPT-4	Procedure
35549	Bypass graft, with vein; aortoiliofemoral, bilateral	CPT-4	Procedure
35551	Bypass graft, with vein; aortofemoral-popliteal	CPT-4	Procedure
35556	Bypass graft, with vein; femoral-popliteal	CPT-4	Procedure
35558	Bypass graft, with vein; femoral-femoral	CPT-4	Procedure
35563	Bypass graft, with vein; ilioiliac	CPT-4	Procedure
35565	Bypass graft, with vein; iliofemoral	CPT-4	Procedure
35566	Bypass graft, with vein; femoral-anterior tibial, posterior tibial, peroneal artery or other distal vessels	CPT-4	Procedure
35570	Bypass graft, with vein; tibial-tibial, peroneal-tibial, or tibial/peroneal trunk-tibial	CPT-4	Procedure
35571	Bypass graft, with vein; popliteal-tibial, -peroneal artery or other distal vessels	CPT-4	Procedure
35681	Bypass graft; composite, prosthetic and vein (List separately in addition to code for primary procedure)	CPT-4	Procedure
35682	Bypass graft; autogenous composite, 2 segments of veins from 2 locations (List separately in addition to code for primary procedure)	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
35683	Bypass graft; autogenous composite, 3 or more segments of vein from 2 or more locations (List separately in addition to code for primary procedure)	CPT-4	Procedure
35879	Revision, lower extremity arterial bypass, without thrombectomy, open; with vein patch angioplasty	CPT-4	Procedure
37207	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, vertebral, iliac and lower extremity arteries), open; initial vessel	CPT-4	Procedure
37208	Transcatheter placement of an intravascular stent(s) (except coronary, carotid, vertebral, iliac and lower extremity arteries), open; each additional vessel (List separately in addition to code for primary procedure)	CPT-4	Procedure
37220	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal angioplasty	CPT-4	Procedure
37221	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	CPT-4	Procedure
37222	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)	CPT-4	Procedure
37223	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	CPT-4	Procedure
37224	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty	CPT-4	Procedure
37225	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with atherectomy, includes angioplasty within the same vessel, when performed	CPT-4	Procedure
37226	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	CPT-4	Procedure
37227	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed	CPT-4	Procedure
37228	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal angioplasty	CPT-4	Procedure
37229	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with atherectomy, includes angioplasty within the same vessel, when performed	CPT-4	Procedure
37230	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	CPT-4	Procedure
37231	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed	CPT-4	Procedure

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

Code	Description	Code Type	Code Category
37232	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)	CPT-4	Procedure
37233	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	CPT-4	Procedure
37234	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	CPT-4	Procedure
37235	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	CPT-4	Procedure
Trauma with Likely Immobilization			
800	Fracture of vault of skull	ICD-9-CM	Diagnosis
800.0	Closed fracture of vault of skull without mention of intracranial injury	ICD-9-CM	Diagnosis
800.00	Closed fracture of vault of skull without mention of intracranial injury, unspecified state of consciousness	ICD-9-CM	Diagnosis
800.01	Closed fracture of vault of skull without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
800.02	Closed fracture of vault of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
800.03	Closed fracture of vault of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
800.06	Closed fracture of vault of skull without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
800.09	Closed fracture of vault of skull without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis
800.1	Closed fracture of vault of skull with cerebral laceration and contusion	ICD-9-CM	Diagnosis
800.10	Closed fracture of vault of skull with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
800.11	Closed fracture of vault of skull with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis
800.12	Closed fracture of vault of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis

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Code	Description	Code Type	Code Category
800.13	Closed fracture of vault of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
800.16	Closed fracture of vault of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
800.19	Closed fracture of vault of skull with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
800.2	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis
800.20	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
800.21	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
800.22	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
800.23	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
800.26	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
800.29	Closed fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
800.3	Closed fracture of vault of skull with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
800.30	Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
800.31	Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
800.32	Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
800.33	Closed fracture of vault of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

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

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

Code	Description	Code Type	Code Category
800.76	Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
800.79	Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
800.8	Open fracture of vault of skull with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
800.80	Open fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
800.81	Open fracture of vault of skull with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
800.82	Open fracture of vault of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
800.83	Open fracture of vault of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
800.86	Open fracture of vault of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
800.89	Open fracture of vault of skull with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
800.9	Open fracture of vault of skull with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
800.90	Open fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis
800.91	Open fracture of vault of skull with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
800.92	Open fracture of vault of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
800.93	Open fracture of vault of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
800.96	Open fracture of vault of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
800.99	Open fracture of vault of skull with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis
801	Fracture of base of skull	ICD-9-CM	Diagnosis
801.0	Closed fracture of base of skull without mention of intracranial injury	ICD-9-CM	Diagnosis
801.00	Closed fracture of base of skull without mention of intracranial injury, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.01	Closed fracture of base of skull without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
801.02	Closed fracture of base of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.03	Closed fracture of base of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.06	Closed fracture of base of skull without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.09	Closed fracture of base of skull without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis
801.1	Closed fracture of base of skull with cerebral laceration and contusion	ICD-9-CM	Diagnosis
801.10	Closed fracture of base of skull with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.11	Closed fracture of base of skull with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis
801.12	Closed fracture of base of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.13	Closed fracture of base of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.16	Closed fracture of base of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.19	Closed fracture of base of skull with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
801.2	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
801.20	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.21	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
801.22	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.23	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.26	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.29	Closed fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
801.3	Closed fracture of base of skull with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
801.30	Closed fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.31	Closed fracture of base of skull with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
801.32	Closed fracture of base of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.33	Closed fracture of base of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.36	Closed fracture of base of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.39	Closed fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
801.4	Closed fracture of base of skull with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
801.40	Closed fracture of base of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
801.41	Closed fracture of base of skull with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
801.42	Closed fracture of base of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.43	Closed fracture of base of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.46	Closed fracture of base of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.49	Closed fracture of base of skull with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis
801.5	Open fracture of base of skull without mention of intracranial injury	ICD-9-CM	Diagnosis
801.50	Open fracture of base of skull without mention of intracranial injury, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.51	Open fracture of base of skull without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
801.52	Open fracture of base of skull without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.53	Open fracture of base of skull without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.56	Open fracture of base of skull without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.59	Open fracture of base of skull without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis
801.6	Open fracture of base of skull with cerebral laceration and contusion	ICD-9-CM	Diagnosis
801.60	Open fracture of base of skull with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.61	Open fracture of base of skull with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis
801.62	Open fracture of base of skull with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
801.63	Open fracture of base of skull with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.66	Open fracture of base of skull with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.69	Open fracture of base of skull with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
801.7	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis
801.70	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.71	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
801.72	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.73	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.76	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.79	Open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
801.8	Open fracture of base of skull with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
801.80	Open fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.81	Open fracture of base of skull with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
801.82	Open fracture of base of skull with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.83	Open fracture of base of skull with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.86	Open fracture of base of skull with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.89	Open fracture of base of skull with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
801.9	Open fracture of base of skull with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
801.90	Open fracture of base of skull with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis
801.91	Open fracture of base of skull with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
801.92	Open fracture of base of skull with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
801.93	Open fracture of base of skull with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
801.96	Open fracture of base of skull with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
801.99	Open fracture of base of skull with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis
802	Fracture of face bones	ICD-9-CM	Diagnosis
802.0	Nasal bones, closed fracture	ICD-9-CM	Diagnosis
802.1	Nasal bones, open fracture	ICD-9-CM	Diagnosis
802.2	Mandible, closed fracture	ICD-9-CM	Diagnosis
802.20	Closed fracture of unspecified site of mandible	ICD-9-CM	Diagnosis
802.21	Closed fracture of condylar process of mandible	ICD-9-CM	Diagnosis
802.22	Closed fracture of subcondylar process of mandible	ICD-9-CM	Diagnosis
802.23	Closed fracture of coronoid process of mandible	ICD-9-CM	Diagnosis
802.24	Closed fracture of unspecified part of ramus of mandible	ICD-9-CM	Diagnosis
802.25	Closed fracture of angle of jaw	ICD-9-CM	Diagnosis
802.26	Closed fracture of symphysis of body of mandible	ICD-9-CM	Diagnosis
802.27	Closed fracture of alveolar border of body of mandible	ICD-9-CM	Diagnosis
802.28	Closed fracture of other and unspecified part of body of mandible	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
802.29	Closed fracture of multiple sites of mandible	ICD-9-CM	Diagnosis
802.3	Mandible, open fracture	ICD-9-CM	Diagnosis
802.30	Open fracture of unspecified site of mandible	ICD-9-CM	Diagnosis
802.31	Open fracture of condylar process of mandible	ICD-9-CM	Diagnosis
802.32	Open fracture of subcondylar process of mandible	ICD-9-CM	Diagnosis
802.33	Open fracture of coronoid process of mandible	ICD-9-CM	Diagnosis
802.34	Open fracture of unspecified part of ramus of mandible	ICD-9-CM	Diagnosis
802.35	Open fracture of angle of jaw	ICD-9-CM	Diagnosis
802.36	Open fracture of symphysis of body of mandible	ICD-9-CM	Diagnosis
802.37	Open fracture of alveolar border of body of mandible	ICD-9-CM	Diagnosis
802.38	Open fracture of other and unspecified part of body of mandible	ICD-9-CM	Diagnosis
802.39	Open fracture of multiple sites of mandible	ICD-9-CM	Diagnosis
802.4	Malar and maxillary bones, closed fracture	ICD-9-CM	Diagnosis
802.5	Malar and maxillary bones, open fracture	ICD-9-CM	Diagnosis
802.6	Orbital floor (blow-out), closed fracture	ICD-9-CM	Diagnosis
802.7	Orbital floor (blow-out), open fracture	ICD-9-CM	Diagnosis
802.8	Other facial bones, closed fracture	ICD-9-CM	Diagnosis
802.9	Other facial bones, open fracture	ICD-9-CM	Diagnosis
803	Other and unqualified skull fractures	ICD-9-CM	Diagnosis
803.0	Other closed skull fracture without mention of intracranial injury	ICD-9-CM	Diagnosis
803.00	Other closed skull fracture without mention of intracranial injury, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.01	Other closed skull fracture without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
803.02	Other closed skull fracture without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.03	Other closed skull fracture without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.06	Other closed skull fracture without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.09	Other closed skull fracture without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis
803.1	Other closed skull fracture with cerebral laceration and contusion	ICD-9-CM	Diagnosis
803.10	Other closed skull fracture with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.11	Other closed skull fracture with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
803.12	Other closed skull fracture with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.13	Other closed skull fracture with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.16	Other closed skull fracture with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.19	Other closed skull fracture with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
803.2	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis
803.20	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.21	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
803.22	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.23	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.26	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.29	Other closed skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
803.3	Closed skull fracture with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
803.30	Other closed skull fracture with other and unspecified intracranial hemorrhage, unspecified state of unconsciousness	ICD-9-CM	Diagnosis
803.31	Other closed skull fracture with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
803.32	Other closed skull fracture with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.33	Other closed skull fracture with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.36	Other closed skull fracture with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.39	Other closed skull fracture with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
803.4	Other closed skull fracture with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
803.40	Other closed skull fracture with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.41	Other closed skull fracture with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
803.42	Other closed skull fracture with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.43	Other closed skull fracture with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.46	Other closed skull fracture with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.49	Other closed skull fracture with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis
803.5	Other open skull fracture without mention of intracranial injury	ICD-9-CM	Diagnosis
803.50	Other open skull fracture without mention of injury, state of consciousness unspecified	ICD-9-CM	Diagnosis
803.51	Other open skull fracture without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
803.52	Other open skull fracture without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.53	Other open skull fracture without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
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	ICD-9-CM	Diagnosis
803.56	Other open skull fracture without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.59	Other open skull fracture without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis
803.6	Other open skull fracture with cerebral laceration and contusion	ICD-9-CM	Diagnosis
803.60	Other open skull fracture with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.61	Other open skull fracture with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis
803.62	Other open skull fracture with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.63	Other open skull fracture with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.66	Other open skull fracture with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.69	Other open skull fracture with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
803.7	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis
803.70	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.71	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
803.72	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.73	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
803.76	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.79	Other open skull fracture with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
803.8	Other open skull fracture with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
803.80	Other open skull fracture with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.81	Other open skull fracture with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
803.82	Other open skull fracture with other and unspecified intracranial hemorrhage, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.83	Other open skull fracture with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.86	Other open skull fracture with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.89	Other open skull fracture with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
803.9	Other open skull fracture with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
803.90	Other open skull fracture with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis
803.91	Other open skull fracture with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
803.92	Other open skull fracture with intracranial injury of other and unspecified nature, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
803.93	Other open skull fracture with intracranial injury of other and unspecified nature, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
803.96	Other open skull fracture with intracranial injury of other and unspecified nature, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
803.99	Other open skull fracture with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
804	Multiple fractures involving skull or face with other bones	ICD-9-CM	Diagnosis
804.0	Closed fractures involving skull or face with other bones, without mention of intracranial injury	ICD-9-CM	Diagnosis
804.00	Closed fractures involving skull or face with other bones, without mention of intracranial injury, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.01	Closed fractures involving skull or face with other bones, without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
804.02	Closed fractures involving skull or face with other bones, without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
804.03	Closed fractures involving skull or face with other bones, without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.06	Closed fractures involving skull of face with other bones, without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.09	Closed fractures involving skull of face with other bones, without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis
804.1	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion	ICD-9-CM	Diagnosis
804.10	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.11	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis
804.12	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
804.13	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.16	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.19	Closed fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
804.2	Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
804.20	Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.21	Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.23	Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.26	Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.29	Closed fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
804.3	Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
804.30	Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.31	Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.33	Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.36	Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
804.39	Closed fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
804.4	Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
804.40	Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.41	Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.49	Closed fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis
804.5	Open fractures involving skull or face with other bones, without mention of intracranial injury	ICD-9-CM	Diagnosis
804.50	Open fractures involving skull or face with other bones, without mention of intracranial injury, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.51	Open fractures involving skull or face with other bones, without mention of intracranial injury, no loss of consciousness	ICD-9-CM	Diagnosis
804.52	Open fractures involving skull or face with other bones, without mention of intracranial injury, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
804.53	Open fractures involving skull or face with other bones, without mention of intracranial injury, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.56	Open fractures involving skull or face with other bones, without mention of intracranial injury, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.59	Open fractures involving skull or face with other bones, without mention of intracranial injury, unspecified concussion	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
804.6	Open fractures involving skull or face with other bones, with cerebral laceration and contusion	ICD-9-CM	Diagnosis
804.60	Open fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.61	Open fractures involving skull or face with other bones, with cerebral laceration and contusion, no loss of consciousness	ICD-9-CM	Diagnosis
804.62	Open fractures involving skull or face with other bones, with cerebral laceration and contusion, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
804.63	Open fractures involving skull or face with other bones, with cerebral laceration and contusion, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.66	Open fractures involving skull or face with other bones, with cerebral laceration and contusion, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.69	Open fractures involving skull or face with other bones, with cerebral laceration and contusion, unspecified concussion	ICD-9-CM	Diagnosis
804.7	Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage	ICD-9-CM	Diagnosis
804.70	Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.71	Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.73	Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.76	Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.79	Open fractures involving skull or face with other bones with subarachnoid, subdural, and extradural hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
804.8	Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage	ICD-9-CM	Diagnosis
804.80	Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.81	Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, no loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.83	Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.86	Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
804.89	Open fractures involving skull or face with other bones, with other and unspecified intracranial hemorrhage, unspecified concussion	ICD-9-CM	Diagnosis
804.9	Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
804.90	Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified state of consciousness	ICD-9-CM	Diagnosis
804.91	Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, no loss of consciousness	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
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	ICD-9-CM	Diagnosis
804.99	Open fractures involving skull or face with other bones, with intracranial injury of other and unspecified nature, unspecified concussion	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
805.1	Open fracture of cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.10	Open fracture of cervical vertebra, unspecified level without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.11	Open fracture of first cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.12	Open fracture of second cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.13	Open fracture of third cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.14	Open fracture of fourth cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.15	Open fracture of fifth cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.16	Open fracture of sixth cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.17	Open fracture of seventh cervical vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.18	Open fracture of multiple cervical vertebrae without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.3	Open fracture of dorsal (thoracic) vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.5	Open fracture of lumbar vertebra without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.7	Open fracture of sacrum and coccyx without mention of spinal cord injury	ICD-9-CM	Diagnosis
805.9	Open fracture of unspecified part of vertebral column without mention of spinal cord injury	ICD-9-CM	Diagnosis
806	Fracture of vertebral column with spinal cord injury	ICD-9-CM	Diagnosis
806.0	Closed fracture of cervical vertebra with spinal cord injury	ICD-9-CM	Diagnosis
806.00	Closed fracture of C1-C4 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.01	Closed fracture of C1-C4 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.02	Closed fracture of C1-C4 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.03	Closed fracture of C1-C4 level with central cord syndrome	ICD-9-CM	Diagnosis
806.04	Closed fracture of C1-C4 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.05	Closed fracture of C5-C7 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.06	Closed fracture of C5-C7 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.07	Closed fracture of C5-C7 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.08	Closed fracture of C5-C7 level with central cord syndrome	ICD-9-CM	Diagnosis
806.09	Closed fracture of C5-C7 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.1	Open fracture of cervical vertebra with spinal cord injury	ICD-9-CM	Diagnosis
806.10	Open fracture of C1-C4 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.11	Open fracture of C1-C4 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.12	Open fracture of C1-C4 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.13	Open fracture of C1-C4 level with central cord syndrome	ICD-9-CM	Diagnosis
806.14	Open fracture of C1-C4 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.15	Open fracture of C5-C7 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.16	Open fracture of C5-C7 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.17	Open fracture of C5-C7 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.18	Open fracture of C5-C7 level with central cord syndrome	ICD-9-CM	Diagnosis
806.19	Open fracture of C5-C7 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.2	Closed fracture of dorsal (thoracic) vertebra with spinal cord injury	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
806.20	Closed fracture of T1-T6 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.21	Closed fracture of T1-T6 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.22	Closed fracture of T1-T6 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.23	Closed fracture of T1-T6 level with central cord syndrome	ICD-9-CM	Diagnosis
806.24	Closed fracture of T1-T6 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.25	Closed fracture of T7-T12 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.26	Closed fracture of T7-T12 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.27	Closed fracture of T7-T12 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.28	Closed fracture of T7-T12 level with central cord syndrome	ICD-9-CM	Diagnosis
806.29	Closed fracture of T7-T12 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.3	Open fracture of dorsal vertebra with spinal cord injury	ICD-9-CM	Diagnosis
806.30	Open fracture of T1-T6 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.31	Open fracture of T1-T6 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.32	Open fracture of T1-T6 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.33	Open fracture of T1-T6 level with central cord syndrome	ICD-9-CM	Diagnosis
806.34	Open fracture of T1-T6 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.35	Open fracture of T7-T12 level with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.36	Open fracture of T7-T12 level with complete lesion of cord	ICD-9-CM	Diagnosis
806.37	Open fracture of T7-T12 level with anterior cord syndrome	ICD-9-CM	Diagnosis
806.38	Open fracture of T7-T12 level with central cord syndrome	ICD-9-CM	Diagnosis
806.39	Open fracture of T7-T12 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
806.4	Closed fracture of lumbar spine with spinal cord injury	ICD-9-CM	Diagnosis
806.5	Open fracture of lumbar spine with spinal cord injury	ICD-9-CM	Diagnosis
806.6	Closed fracture of sacrum and coccyx with spinal cord injury	ICD-9-CM	Diagnosis
806.60	Closed fracture of sacrum and coccyx with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.61	Closed fracture of sacrum and coccyx with complete cauda equina lesion	ICD-9-CM	Diagnosis
806.62	Closed fracture of sacrum and coccyx with other cauda equina injury	ICD-9-CM	Diagnosis
806.69	Closed fracture of sacrum and coccyx with other spinal cord injury	ICD-9-CM	Diagnosis
806.7	Open fracture of sacrum and coccyx with spinal cord injury	ICD-9-CM	Diagnosis
806.70	Open fracture of sacrum and coccyx with unspecified spinal cord injury	ICD-9-CM	Diagnosis
806.71	Open fracture of sacrum and coccyx with complete cauda equina lesion	ICD-9-CM	Diagnosis
806.72	Open fracture of sacrum and coccyx with other cauda equina injury	ICD-9-CM	Diagnosis
806.79	Open fracture of sacrum and coccyx with other spinal cord injury	ICD-9-CM	Diagnosis
806.8	Closed fracture of unspecified vertebra with spinal cord injury	ICD-9-CM	Diagnosis
806.9	Open fracture of unspecified vertebra with spinal cord injury	ICD-9-CM	Diagnosis
807	Fracture of rib(s), sternum, larynx, and trachea	ICD-9-CM	Diagnosis
807.0	Closed fracture of rib(s)	ICD-9-CM	Diagnosis
807.00	Closed fracture of rib(s), unspecified	ICD-9-CM	Diagnosis
807.01	Closed fracture of one rib	ICD-9-CM	Diagnosis
807.02	Closed fracture of two ribs	ICD-9-CM	Diagnosis
807.03	Closed fracture of three ribs	ICD-9-CM	Diagnosis
807.04	Closed fracture of four ribs	ICD-9-CM	Diagnosis
807.05	Closed fracture of five ribs	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
807.06	Closed fracture of six ribs	ICD-9-CM	Diagnosis
807.07	Closed fracture of seven ribs	ICD-9-CM	Diagnosis
807.08	Closed fracture of eight or more ribs	ICD-9-CM	Diagnosis
807.09	Closed fracture of multiple ribs, unspecified	ICD-9-CM	Diagnosis
807.1	Open fracture of rib(s)	ICD-9-CM	Diagnosis
807.10	Open fracture of rib(s), unspecified	ICD-9-CM	Diagnosis
807.11	Open fracture of one rib	ICD-9-CM	Diagnosis
807.12	Open fracture of two ribs	ICD-9-CM	Diagnosis
807.13	Open fracture of three ribs	ICD-9-CM	Diagnosis
807.14	Open fracture of four ribs	ICD-9-CM	Diagnosis
807.15	Open fracture of five ribs	ICD-9-CM	Diagnosis
807.16	Open fracture of six ribs	ICD-9-CM	Diagnosis
807.17	Open fracture of seven ribs	ICD-9-CM	Diagnosis
807.18	Open fracture of eight or more ribs	ICD-9-CM	Diagnosis
807.19	Open fracture of multiple ribs, unspecified	ICD-9-CM	Diagnosis
807.2	Closed fracture of sternum	ICD-9-CM	Diagnosis
807.3	Open fracture of sternum	ICD-9-CM	Diagnosis
807.4	Flail chest	ICD-9-CM	Diagnosis
807.5	Closed fracture of larynx and trachea	ICD-9-CM	Diagnosis
807.6	Open fracture of larynx and trachea	ICD-9-CM	Diagnosis
809	Ill-defined fractures of bones of trunk	ICD-9-CM	Diagnosis
809.0	Fracture of bones of trunk, closed	ICD-9-CM	Diagnosis
809.1	Fracture of bones of trunk, open	ICD-9-CM	Diagnosis
820.1	Open transcervical fracture	ICD-9-CM	Diagnosis
820.10	Open fracture of unspecified intracapsular section of neck of femur	ICD-9-CM	Diagnosis
820.11	Open fracture of epiphysis (separation) (upper) of neck of femur	ICD-9-CM	Diagnosis
820.12	Open fracture of midcervical section of femur	ICD-9-CM	Diagnosis
820.13	Open fracture of base of neck of femur	ICD-9-CM	Diagnosis
820.19	Other open transcervical fracture of femur	ICD-9-CM	Diagnosis
820.3	Open pertrochanteric fracture of femur	ICD-9-CM	Diagnosis
820.30	Open fracture of unspecified trochanteric section of femur	ICD-9-CM	Diagnosis
820.31	Open fracture of intertrochanteric section of femur	ICD-9-CM	Diagnosis
820.32	Open fracture of subtrochanteric section of femur	ICD-9-CM	Diagnosis
820.9	Open fracture of unspecified part of neck of femur	ICD-9-CM	Diagnosis
822	Fracture of patella	ICD-9-CM	Diagnosis
822.0	Closed fracture of patella	ICD-9-CM	Diagnosis
822.1	Open fracture of patella	ICD-9-CM	Diagnosis
823	Fracture of tibia and fibula	ICD-9-CM	Diagnosis
823.0	Closed fracture of upper end of tibia and fibula	ICD-9-CM	Diagnosis
823.00	Closed fracture of upper end of tibia	ICD-9-CM	Diagnosis
823.01	Closed fracture of upper end of fibula	ICD-9-CM	Diagnosis
823.02	Closed fracture of upper end of fibula with tibia	ICD-9-CM	Diagnosis
823.1	Open fracture of upper end of tibia and fibula	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
823.10	Open fracture of upper end of tibia	ICD-9-CM	Diagnosis
823.11	Open fracture of upper end of fibula	ICD-9-CM	Diagnosis
823.12	Open fracture of upper end of fibula with tibia	ICD-9-CM	Diagnosis
823.2	Closed fracture of shaft of tibia and fibula	ICD-9-CM	Diagnosis
823.20	Closed fracture of shaft of tibia	ICD-9-CM	Diagnosis
823.21	Closed fracture of shaft of fibula	ICD-9-CM	Diagnosis
823.22	Closed fracture of shaft of fibula with tibia	ICD-9-CM	Diagnosis
823.3	Open fracture of shaft of tibia and fibula	ICD-9-CM	Diagnosis
823.30	Open fracture of shaft of tibia	ICD-9-CM	Diagnosis
823.31	Open fracture of shaft of fibula	ICD-9-CM	Diagnosis
823.32	Open fracture of shaft of fibula with tibia	ICD-9-CM	Diagnosis
823.4	Torus fracture of tibia and fibula	ICD-9-CM	Diagnosis
823.40	Torus fracture of tibia alone	ICD-9-CM	Diagnosis
823.41	Torus fracture of fibula alone	ICD-9-CM	Diagnosis
823.42	Torus fracture of fibula with tibia	ICD-9-CM	Diagnosis
823.8	Closed fracture of unspecified part of tibia and fibula	ICD-9-CM	Diagnosis
823.80	Closed fracture of unspecified part of tibia	ICD-9-CM	Diagnosis
823.81	Closed fracture of unspecified part of fibula	ICD-9-CM	Diagnosis
823.82	Closed fracture of unspecified part of fibula with tibia	ICD-9-CM	Diagnosis
823.9	Open fracture of unspecified part of tibia and fibula	ICD-9-CM	Diagnosis
823.90	Open fracture of unspecified part of tibia	ICD-9-CM	Diagnosis
823.91	Open fracture of unspecified part of fibula	ICD-9-CM	Diagnosis
823.92	Open fracture of unspecified part of fibula with tibia	ICD-9-CM	Diagnosis
824	Fracture of ankle	ICD-9-CM	Diagnosis
824.0	Closed fracture of medial malleolus	ICD-9-CM	Diagnosis
824.1	Open fracture of medial malleolus	ICD-9-CM	Diagnosis
824.2	Closed fracture of lateral malleolus	ICD-9-CM	Diagnosis
824.3	Open fracture of lateral malleolus	ICD-9-CM	Diagnosis
824.4	Closed bimalleolar fracture	ICD-9-CM	Diagnosis
824.5	Open bimalleolar fracture	ICD-9-CM	Diagnosis
824.6	Closed trimalleolar fracture	ICD-9-CM	Diagnosis
824.7	Open trimalleolar fracture	ICD-9-CM	Diagnosis
824.8	Unspecified closed fracture of ankle	ICD-9-CM	Diagnosis
824.9	Unspecified open fracture of ankle	ICD-9-CM	Diagnosis
825	Fracture of one or more tarsal and metatarsal bones	ICD-9-CM	Diagnosis
825.0	Closed fracture of calcaneus	ICD-9-CM	Diagnosis
825.1	Open fracture of calcaneus	ICD-9-CM	Diagnosis
825.2	Closed fracture of other tarsal and metatarsal bones	ICD-9-CM	Diagnosis
825.20	Closed fracture of unspecified bone(s) of foot (except toes)	ICD-9-CM	Diagnosis
825.21	Closed fracture of astragalus	ICD-9-CM	Diagnosis
825.22	Closed fracture of navicular (scaphoid) bone of foot	ICD-9-CM	Diagnosis
825.23	Closed fracture of cuboid bone	ICD-9-CM	Diagnosis
825.24	Closed fracture of cuneiform bone of foot	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
825.25	Closed fracture of metatarsal bone(s)	ICD-9-CM	Diagnosis
825.29	Other closed fracture of tarsal and metatarsal bones	ICD-9-CM	Diagnosis
825.3	Open fracture of other tarsal and metatarsal bones	ICD-9-CM	Diagnosis
825.30	Open fracture of unspecified bone(s) of foot (except toes)	ICD-9-CM	Diagnosis
825.31	Open fracture of astragalus	ICD-9-CM	Diagnosis
825.32	Open fracture of navicular (scaphoid) bone of foot	ICD-9-CM	Diagnosis
825.33	Open fracture of cuboid bone	ICD-9-CM	Diagnosis
825.34	Open fracture of cuneiform bone of foot,	ICD-9-CM	Diagnosis
825.35	Open fracture of metatarsal bone(s)	ICD-9-CM	Diagnosis
825.39	Other open fractures of tarsal and metatarsal bones	ICD-9-CM	Diagnosis
826	Fracture of one or more phalanges of foot	ICD-9-CM	Diagnosis
826.0	Closed fracture of one or more phalanges of foot	ICD-9-CM	Diagnosis
826.1	Open fracture of one or more phalanges of foot	ICD-9-CM	Diagnosis
827	Other, multiple, and ill-defined fractures of lower limb	ICD-9-CM	Diagnosis
827.0	Other, multiple and ill-defined closed fractures of lower limb	ICD-9-CM	Diagnosis
827.1	Other, multiple and ill-defined open fractures of lower limb	ICD-9-CM	Diagnosis
828	Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum	ICD-9-CM	Diagnosis
828.0	Multiple closed fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum	ICD-9-CM	Diagnosis
828.1	Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum, open	ICD-9-CM	Diagnosis
829	Fracture of unspecified bones	ICD-9-CM	Diagnosis
829.0	Closed fracture of unspecified bone	ICD-9-CM	Diagnosis
829.1	Open fracture of unspecified bone	ICD-9-CM	Diagnosis
851	Cerebral laceration and contusion	ICD-9-CM	Diagnosis
851.0	Cortex (cerebral) contusion without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.00	Cortex (cerebral) contusion without mention of open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
851.01	Cortex (cerebral) contusion without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.02	Cortex (cerebral) contusion without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.03	Cortex (cerebral) contusion without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.04	Cortex (cerebral) contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.05	Cortex (cerebral) contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.06	Cortex (cerebral) contusion without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.09	Cortex (cerebral) contusion without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.1	Cortex (cerebral) contusion with open intracranial wound	ICD-9-CM	Diagnosis
851.10	Cortex (cerebral) contusion with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.11	Cortex (cerebral) contusion with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.12	Cortex (cerebral) contusion with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.13	Cortex (cerebral) contusion with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.14	Cortex (cerebral) contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.15	Cortex (cerebral) contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.16	Cortex (cerebral) contusion with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.19	Cortex (cerebral) contusion with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.2	Cortex (cerebral) laceration without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.20	Cortex (cerebral) laceration without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.21	Cortex (cerebral) laceration without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.22	Cortex (cerebral) laceration without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.23	Cortex (cerebral) laceration without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.24	Cortex (cerebral) laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.25	Cortex (cerebral) laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.26	Cortex (cerebral) laceration without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.29	Cortex (cerebral) laceration without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.3	Cortex (cerebral) laceration with open intracranial wound	ICD-9-CM	Diagnosis
851.30	Cortex (cerebral) laceration with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.31	Cortex (cerebral) laceration with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.32	Cortex (cerebral) laceration with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.33	Cortex (cerebral) laceration with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.34	Cortex (cerebral) laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.35	Cortex (cerebral) laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.36	Cortex (cerebral) laceration with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.39	Cortex (cerebral) laceration with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.4	Cerebellar or brain stem contusion without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.40	Cerebellar or brain stem contusion without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.41	Cerebellar or brain stem contusion without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.42	Cerebellar or brain stem contusion without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.43	Cerebellar or brain stem contusion without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.44	Cerebellar or brain stem contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.45	Cerebellar or brain stem contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.46	Cerebellar or brain stem contusion without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.49	Cerebellar or brain stem contusion without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.5	Cerebellar or brain stem contusion with open intracranial wound	ICD-9-CM	Diagnosis
851.50	Cerebellar or brain stem contusion with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.51	Cerebellar or brain stem contusion with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.52	Cerebellar or brain stem contusion with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.53	Cerebellar or brain stem contusion with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.54	Cerebellar or brain stem contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.55	Cerebellar or brain stem contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.56	Cerebellar or brain stem contusion with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.59	Cerebellar or brain stem contusion with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.6	Cerebellar or brain stem laceration without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.60	Cerebellar or brain stem laceration without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.61	Cerebellar or brain stem laceration without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.62	Cerebellar or brain stem laceration without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.63	Cerebellar or brain stem laceration without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.64	Cerebellar or brain stem laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.65	Cerebellar or brain stem laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.66	Cerebellar or brain stem laceration without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.69	Cerebellar or brain stem laceration without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.7	Cerebellar or brain stem laceration with open intracranial wound	ICD-9-CM	Diagnosis
851.70	Cerebellar or brain stem laceration with open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
851.71	Cerebellar or brain stem laceration with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.72	Cerebellar or brain stem laceration with open intracranial wound, brief (less than one hour) loss of consciousness	ICD-9-CM	Diagnosis
851.73	Cerebellar or brain stem laceration with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.74	Cerebellar or brain stem laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.75	Cerebellar or brain stem laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.76	Cerebellar or brain stem laceration with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.79	Cerebellar or brain stem laceration with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.8	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound	ICD-9-CM	Diagnosis
851.80	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.81	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.82	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.83	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.84	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level	ICD-9-CM	Diagnosis
851.85	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.86	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.89	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
851.9	Other and unspecified cerebral laceration and contusion, with open intracranial wound	ICD-9-CM	Diagnosis
851.90	Other and unspecified cerebral laceration and contusion, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
851.91	Other and unspecified cerebral laceration and contusion, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
851.92	Other and unspecified cerebral laceration and contusion, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
851.93	Other and unspecified cerebral laceration and contusion, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
851.94	Other and unspecified cerebral laceration and contusion, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
851.95	Other and unspecified cerebral laceration and contusion, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
851.96	Other and unspecified cerebral laceration and contusion, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
851.99	Other and unspecified cerebral laceration and contusion, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.1	Subarachnoid hemorrhage following injury, with open intracranial wound	ICD-9-CM	Diagnosis
852.10	Subarachnoid hemorrhage following injury, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
852.11	Subarachnoid hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.12	Subarachnoid hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.13	Subarachnoid hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.14	Subarachnoid hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.15	Subarachnoid hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.16	Subarachnoid hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.19	Subarachnoid hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.3	Subdural hemorrhage following injury, with open intracranial wound	ICD-9-CM	Diagnosis
852.30	Subdural hemorrhage following injury, with open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
852.31	Subdural hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.32	Subdural hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.33	Subdural hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.34	Subdural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.35	Subdural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.36	Subdural hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.39	Subdural hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
852.5	Extradural hemorrhage following injury with open intracranial wound	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
852.50	Extradural hemorrhage following injury, with open intracranial wound, state of consciousness unspecified	ICD-9-CM	Diagnosis
852.51	Extradural hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
852.52	Extradural hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
852.53	Extradural hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
852.54	Extradural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.55	Extradural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
852.56	Extradural hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
852.59	Extradural hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
853.1	Other and unspecified intracranial hemorrhage following injury with open intracranial wound	ICD-9-CM	Diagnosis
853.10	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
853.11	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
853.12	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
853.13	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
853.14	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
853.15	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
853.16	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
853.19	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
854	Intracranial injury of other and unspecified nature	ICD-9-CM	Diagnosis
854.0	Intracranial injury of other and unspecified nature without mention of open intracranial wound	ICD-9-CM	Diagnosis
854.00	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
854.01	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
854.02	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
854.03	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
854.04	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
854.05	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
854.06	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
854.09	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, unspecified concussion	ICD-9-CM	Diagnosis
854.1	Intracranial injury of other and unspecified nature with open intracranial wound	ICD-9-CM	Diagnosis
854.10	Intracranial injury of other and unspecified nature, with open intracranial wound, unspecified state of consciousness	ICD-9-CM	Diagnosis
854.11	Intracranial injury of other and unspecified nature, with open intracranial wound, no loss of consciousness	ICD-9-CM	Diagnosis
854.12	Intracranial injury of other and unspecified nature, with open intracranial wound, brief (less than 1 hour) loss of consciousness	ICD-9-CM	Diagnosis
854.13	Intracranial injury of other and unspecified nature, with open intracranial wound, moderate (1-24 hours) loss of consciousness	ICD-9-CM	Diagnosis
854.14	Intracranial injury of other and unspecified nature, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	ICD-9-CM	Diagnosis
854.15	Intracranial injury of other and unspecified nature, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	ICD-9-CM	Diagnosis
854.16	Intracranial injury of other and unspecified nature, with open intracranial wound, loss of consciousness of unspecified duration	ICD-9-CM	Diagnosis
854.19	Intracranial injury of other and unspecified nature, with open intracranial wound, with unspecified concussion	ICD-9-CM	Diagnosis
861	Injury to heart and lung	ICD-9-CM	Diagnosis
861.0	Heart injury, without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.00	Unspecified injury to heart without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.01	Heart contusion without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.02	Heart laceration without penetration of heart chambers or mention of open wound into thorax	ICD-9-CM	Diagnosis
861.03	Heart laceration with penetration of heart chambers, without mention of open wound into thorax	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
861.1	Heart injury, with open wound into thorax	ICD-9-CM	Diagnosis
861.10	Unspecified injury to heart with open wound into thorax	ICD-9-CM	Diagnosis
861.11	Heart contusion with open wound into thorax	ICD-9-CM	Diagnosis
861.12	Heart laceration without penetration of heart chambers, with open wound into thorax	ICD-9-CM	Diagnosis
861.13	Heart laceration with penetration of heart chambers and open wound into thorax	ICD-9-CM	Diagnosis
861.2	Lung injury, without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.20	Unspecified lung injury without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.21	Lung contusion without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.22	Lung laceration without mention of open wound into thorax	ICD-9-CM	Diagnosis
861.3	Lung injury, with open wound into thorax	ICD-9-CM	Diagnosis
861.30	Unspecified lung injury with open wound into thorax	ICD-9-CM	Diagnosis
861.31	Lung contusion with open wound into thorax	ICD-9-CM	Diagnosis
861.32	Lung laceration with open wound into thorax	ICD-9-CM	Diagnosis
862	Injury to other and unspecified intrathoracic organs	ICD-9-CM	Diagnosis
862.0	Diaphragm injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
862.1	Diaphragm injury with open wound into cavity	ICD-9-CM	Diagnosis
862.2	Injury to other specified intrathoracic organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
862.21	Bronchus injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
862.22	Esophagus injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
862.29	Injury to other specified intrathoracic organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
862.3	Injury to other specified intrathoracic organs with open wound into cavity	ICD-9-CM	Diagnosis
862.31	Bronchus injury with open wound into cavity	ICD-9-CM	Diagnosis
862.32	Esophagus injury with open wound into cavity	ICD-9-CM	Diagnosis
862.39	Injury to other specified intrathoracic organs with open wound into cavity	ICD-9-CM	Diagnosis
862.8	Injury to multiple and unspecified intrathoracic organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
862.9	Injury to multiple and unspecified intrathoracic organs with open wound into cavity	ICD-9-CM	Diagnosis
863	Gastrointestinal tract injury	ICD-9-CM	Diagnosis
863.0	Stomach injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.1	Stomach injury with open wound into cavity	ICD-9-CM	Diagnosis
863.2	Small intestine injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.20	Small intestine injury, unspecified site, without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.21	Duodenum injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.29	Other injury to small intestine without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.3	Small intestine injury with open wound into cavity	ICD-9-CM	Diagnosis
863.30	Small intestine injury, unspecified site, with open wound into cavity	ICD-9-CM	Diagnosis
863.31	Duodenum injury with open wound into cavity	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
863.39	Other injury to small intestine with open wound into cavity	ICD-9-CM	Diagnosis
863.4	Colon or rectal injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.40	Colon injury unspecified site, without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.41	Ascending (right) colon injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.42	Transverse colon injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.43	Descending (left) colon injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.44	Sigmoid colon injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.45	Rectum injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.46	Injury to multiple sites in colon and rectum without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.49	Other colon and rectum injury, without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.5	Injury to colon or rectum with open wound into cavity	ICD-9-CM	Diagnosis
863.50	Colon injury, unspecified site, with open wound into cavity	ICD-9-CM	Diagnosis
863.51	Ascending (right) colon injury with open wound into cavity	ICD-9-CM	Diagnosis
863.52	Transverse colon injury with open wound into cavity	ICD-9-CM	Diagnosis
863.53	Descending (left) colon injury with open wound into cavity	ICD-9-CM	Diagnosis
863.54	Sigmoid colon injury with open wound into cavity	ICD-9-CM	Diagnosis
863.55	Rectum injury with open wound into cavity	ICD-9-CM	Diagnosis
863.56	Injury to multiple sites in colon and rectum with open wound into cavity	ICD-9-CM	Diagnosis
863.59	Other injury to colon and rectum with open wound into cavity	ICD-9-CM	Diagnosis
863.8	Injury to other and unspecified gastrointestinal sites without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.80	Gastrointestinal tract injury, unspecified site, without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.81	Pancreas head injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.82	Pancreas body injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.83	Pancreas tail injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.84	Pancreas injury, multiple and unspecified sites, without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.85	Appendix injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.89	Injury to other and unspecified gastrointestinal sites without mention of open wound into cavity	ICD-9-CM	Diagnosis
863.9	Injury to other and unspecified gastrointestinal sites, with open wound into cavity	ICD-9-CM	Diagnosis
863.90	Gastrointestinal tract injury, unspecified site, with open wound into cavity	ICD-9-CM	Diagnosis
863.91	Pancreas head injury with open wound into cavity	ICD-9-CM	Diagnosis
863.92	Pancreas body injury with open wound into cavity	ICD-9-CM	Diagnosis
863.93	Pancreas tail injury with open wound into cavity	ICD-9-CM	Diagnosis
863.94	Pancreas injury, multiple and unspecified sites, with open wound into cavity	ICD-9-CM	Diagnosis
863.95	Appendix injury with open wound into cavity	ICD-9-CM	Diagnosis
863.99	Injury to other and unspecified gastrointestinal sites with open wound into cavity	ICD-9-CM	Diagnosis
864	Injury to liver	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
864.0	Liver injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.00	Unspecified injury to liver without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.01	Liver hematoma and contusion without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.02	Liver laceration, minor, without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.03	Liver laceration, moderate, without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.04	Liver laceration, major, without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.05	Liver injury without mention of open wound into cavity, unspecified laceration	ICD-9-CM	Diagnosis
864.09	Other liver injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
864.1	Liver injury with open wound into cavity	ICD-9-CM	Diagnosis
864.10	Unspecified liver injury with open wound into cavity	ICD-9-CM	Diagnosis
864.11	Liver hematoma and contusion with open wound into cavity	ICD-9-CM	Diagnosis
864.12	Liver laceration, minor, with open wound into cavity	ICD-9-CM	Diagnosis
864.13	Liver laceration, moderate, with open wound into cavity	ICD-9-CM	Diagnosis
864.14	Liver laceration, major, with open wound into cavity	ICD-9-CM	Diagnosis
864.15	Liver injury with open wound into cavity, unspecified laceration	ICD-9-CM	Diagnosis
864.19	Other liver injury with open wound into cavity	ICD-9-CM	Diagnosis
865	Injury to spleen	ICD-9-CM	Diagnosis
865.0	Spleen injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
865.00	Unspecified spleen injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
865.01	Spleen hematoma, without rupture of capsule or mention of open wound into cavity	ICD-9-CM	Diagnosis
865.02	Capsular tears to spleen, without major disruption of parenchyma or mention of open wound into cavity	ICD-9-CM	Diagnosis
865.03	Spleen laceration extending into parenchyma without mention of open wound into cavity	ICD-9-CM	Diagnosis
865.04	Massive parenchymal disruption of spleen without mention of open wound into cavity	ICD-9-CM	Diagnosis
865.09	Other spleen injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
865.1	Spleen injury with open wound into cavity	ICD-9-CM	Diagnosis
865.10	Unspecified spleen injury with open wound into cavity	ICD-9-CM	Diagnosis
865.11	Spleen hematoma, without rupture of capsule, with open wound into cavity	ICD-9-CM	Diagnosis
865.12	Capsular tears to spleen, without major disruption of parenchyma, with open wound into cavity	ICD-9-CM	Diagnosis
865.13	Spleen laceration extending into parenchyma, with open wound into cavity	ICD-9-CM	Diagnosis
865.14	Massive parenchyma disruption of spleen with open wound into cavity	ICD-9-CM	Diagnosis
865.19	Other spleen injury with open wound into cavity	ICD-9-CM	Diagnosis
866	Injury to kidney	ICD-9-CM	Diagnosis
866.0	Kidney injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
866.00	Unspecified kidney injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
866.01	Kidney hematoma without rupture of capsule or mention of open wound into cavity	ICD-9-CM	Diagnosis
866.02	Kidney laceration without mention of open wound into cavity	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
866.03	Complete disruption of kidney parenchyma, without mention of open wound into cavity	ICD-9-CM	Diagnosis
866.1	Kidney injury with open wound into cavity	ICD-9-CM	Diagnosis
866.10	Unspecified kidney injury with open wound into cavity	ICD-9-CM	Diagnosis
866.11	Kidney hematoma, without rupture of capsule, with open wound into cavity	ICD-9-CM	Diagnosis
866.12	Kidney laceration with open wound into cavity	ICD-9-CM	Diagnosis
866.13	Complete disruption of kidney parenchyma, with open wound into cavity	ICD-9-CM	Diagnosis
867	Injury to pelvic organs	ICD-9-CM	Diagnosis
867.0	Bladder and urethra injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
867.1	Bladder and urethra injury with open wound into cavity	ICD-9-CM	Diagnosis
867.2	Ureter injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
867.3	Ureter injury with open wound into cavity	ICD-9-CM	Diagnosis
867.4	Uterus injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
867.5	Uterus injury with open wound into cavity	ICD-9-CM	Diagnosis
867.6	Injury to other specified pelvic organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
867.7	Injury to other specified pelvic organs with open wound into cavity	ICD-9-CM	Diagnosis
867.8	Injury to unspecified pelvic organ without mention of open wound into cavity	ICD-9-CM	Diagnosis
867.9	Injury to unspecified pelvic organ with open wound into cavity	ICD-9-CM	Diagnosis
868	Injury to other intra-abdominal organs	ICD-9-CM	Diagnosis
868.0	Injury to other intra-abdominal organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.00	Injury to unspecified intra-abdominal organ without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.01	Adrenal gland injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.02	Bile duct and gallbladder injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.03	Peritoneum injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.04	Retroperitoneum injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.09	Injury to other and multiple intra-abdominal organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
868.1	Injury to other intra-abdominal organs with open wound into cavity	ICD-9-CM	Diagnosis
868.10	Injury to unspecified intra-abdominal organ, with open wound into cavity	ICD-9-CM	Diagnosis
868.11	Adrenal gland injury, with open wound into cavity	ICD-9-CM	Diagnosis
868.12	Bile duct and gallbladder injury, with open wound into cavity	ICD-9-CM	Diagnosis
868.13	Peritoneum injury with open wound into cavity	ICD-9-CM	Diagnosis
868.14	Retroperitoneum injury with open wound into cavity	ICD-9-CM	Diagnosis
868.19	Injury to other and multiple intra-abdominal organs, with open wound into cavity	ICD-9-CM	Diagnosis
869	Internal injury to unspecified or ill-defined organs	ICD-9-CM	Diagnosis
869.0	Internal injury to unspecified or ill-defined organs without mention of open wound into cavity	ICD-9-CM	Diagnosis
869.1	Internal injury to unspecified or ill-defined organs with open wound into cavity	ICD-9-CM	Diagnosis
870	Open wound of ocular adnexa	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
870.0	Laceration of skin of eyelid and periocular area	ICD-9-CM	Diagnosis
870.1	Laceration of eyelid, full-thickness, not involving lacrimal passages	ICD-9-CM	Diagnosis
870.2	Laceration of eyelid involving lacrimal passages	ICD-9-CM	Diagnosis
870.3	Penetrating wound of orbit, without mention of foreign body	ICD-9-CM	Diagnosis
870.4	Penetrating wound of orbit with foreign body	ICD-9-CM	Diagnosis
870.8	Other specified open wound of ocular adnexa	ICD-9-CM	Diagnosis
870.9	Unspecified open wound of ocular adnexa	ICD-9-CM	Diagnosis
890	Open wound of hip and thigh	ICD-9-CM	Diagnosis
890.0	Open wound of hip and thigh, without mention of complication	ICD-9-CM	Diagnosis
890.1	Open wound of hip and thigh, complicated	ICD-9-CM	Diagnosis
890.2	Open wound of hip and thigh, with tendon involvement	ICD-9-CM	Diagnosis
891	Open wound of knee, leg (except thigh), and ankle	ICD-9-CM	Diagnosis
891.0	Open wound of knee, leg (except thigh), and ankle, without mention of complication	ICD-9-CM	Diagnosis
891.1	Open wound of knee, leg (except thigh), and ankle, complicated	ICD-9-CM	Diagnosis
891.2	Open wound of knee, leg (except thigh), and ankle, with tendon involvement	ICD-9-CM	Diagnosis
892	Open wound of foot except toe(s) alone	ICD-9-CM	Diagnosis
892.0	Open wound of foot except toe(s) alone, without mention of complication	ICD-9-CM	Diagnosis
892.1	Open wound of foot except toe(s) alone, complicated	ICD-9-CM	Diagnosis
892.2	Open wound of foot except toe(s) alone, with tendon involvement	ICD-9-CM	Diagnosis
893	Open wound of toe(s)	ICD-9-CM	Diagnosis
893.0	Open wound of toe(s), without mention of complication	ICD-9-CM	Diagnosis
893.1	Open wound of toe(s), complicated	ICD-9-CM	Diagnosis
893.2	Open wound of toe(s), with tendon involvement	ICD-9-CM	Diagnosis
894	Multiple and unspecified open wound of lower limb	ICD-9-CM	Diagnosis
894.0	Multiple and unspecified open wound of lower limb, without mention of complication	ICD-9-CM	Diagnosis
894.1	Multiple and unspecified open wound of lower limb, complicated	ICD-9-CM	Diagnosis
894.2	Multiple and unspecified open wound of lower limb, with tendon involvement	ICD-9-CM	Diagnosis
895	Traumatic amputation of toe(s) (complete) (partial)	ICD-9-CM	Diagnosis
895.0	Traumatic amputation of toe(s) (complete) (partial), without mention of complication	ICD-9-CM	Diagnosis
895.1	Traumatic amputation of toe(s) (complete) (partial), complicated	ICD-9-CM	Diagnosis
896	Traumatic amputation of foot (complete) (partial)	ICD-9-CM	Diagnosis
896.0	Traumatic amputation of foot (complete) (partial), unilateral, without mention of complication	ICD-9-CM	Diagnosis
896.1	Traumatic amputation of foot (complete) (partial), unilateral, complicated	ICD-9-CM	Diagnosis
896.2	Traumatic amputation of foot (complete) (partial), bilateral, without mention of complication	ICD-9-CM	Diagnosis
896.3	Traumatic amputation of foot (complete) (partial), bilateral, complicated	ICD-9-CM	Diagnosis
897	Traumatic amputation of leg(s) (complete) (partial)	ICD-9-CM	Diagnosis
897.0	Traumatic amputation of leg(s) (complete) (partial), unilateral, below knee, without mention of complication	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
897.1	Traumatic amputation of leg(s) (complete) (partial), unilateral, below knee, complicated	ICD-9-CM	Diagnosis
897.2	Traumatic amputation of leg(s) (complete) (partial), unilateral, at or above knee, without mention of complication	ICD-9-CM	Diagnosis
897.3	Traumatic amputation of leg(s) (complete) (partial), unilateral, at or above knee, complicated	ICD-9-CM	Diagnosis
897.4	Traumatic amputation of leg(s) (complete) (partial), unilateral, level not specified, without mention of complication	ICD-9-CM	Diagnosis
897.5	Traumatic amputation of leg(s) (complete) (partial), unilateral, level not specified, complicated	ICD-9-CM	Diagnosis
897.6	Traumatic amputation of leg(s) (complete) (partial), bilateral (any level), without mention of complication	ICD-9-CM	Diagnosis
897.7	Traumatic amputation of leg(s) (complete) (partial), bilateral (any level), complicated	ICD-9-CM	Diagnosis
925	Crushing injury of face, scalp, and neck	ICD-9-CM	Diagnosis
925.1	Crushing injury of face and scalp	ICD-9-CM	Diagnosis
925.2	Crushing injury of neck	ICD-9-CM	Diagnosis
926	Crushing injury of trunk	ICD-9-CM	Diagnosis
926.0	Crushing injury of external genitalia	ICD-9-CM	Diagnosis
926.1	Crushing injury of other specified sites of trunk	ICD-9-CM	Diagnosis
926.11	Crushing injury of back	ICD-9-CM	Diagnosis
926.12	Crushing injury of buttock	ICD-9-CM	Diagnosis
926.19	Crushing injury of other specified sites of trunk	ICD-9-CM	Diagnosis
926.8	Crushing injury of multiple sites of trunk	ICD-9-CM	Diagnosis
926.9	Crushing injury of unspecified site of trunk	ICD-9-CM	Diagnosis
927	Crushing injury of upper limb	ICD-9-CM	Diagnosis
927.0	Crushing injury of shoulder and upper arm	ICD-9-CM	Diagnosis
927.00	Crushing injury of shoulder region	ICD-9-CM	Diagnosis
927.01	Crushing injury of scapular region	ICD-9-CM	Diagnosis
927.02	Crushing injury of axillary region	ICD-9-CM	Diagnosis
927.03	Crushing injury of upper arm	ICD-9-CM	Diagnosis
927.09	Crushing injury of multiple sites of upper arm	ICD-9-CM	Diagnosis
927.1	Crushing injury of elbow and forearm	ICD-9-CM	Diagnosis
927.10	Crushing injury of forearm	ICD-9-CM	Diagnosis
927.11	Crushing injury of elbow	ICD-9-CM	Diagnosis
927.2	Crushing injury of wrist and hand(s), except finger(s) alone	ICD-9-CM	Diagnosis
927.20	Crushing injury of hand(s)	ICD-9-CM	Diagnosis
927.21	Crushing injury of wrist	ICD-9-CM	Diagnosis
927.3	Crushing injury of finger(s)	ICD-9-CM	Diagnosis
927.8	Crushing injury of multiple sites of upper limb	ICD-9-CM	Diagnosis
927.9	Crushing injury of unspecified site of upper limb	ICD-9-CM	Diagnosis
929	Crushing injury of multiple and unspecified sites	ICD-9-CM	Diagnosis
929.0	Crushing injury of multiple sites, not elsewhere classified	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
929.9	Crushing injury of unspecified site	ICD-9-CM	Diagnosis
948.1	Burn (any degree) involving 10-19% of body surface	ICD-9-CM	Diagnosis
948.10	Burn (any degree) involving 10-19% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.11	Burn (any degree) involving 10-19% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.2	Burn (any degree) involving 20-29% of body surface	ICD-9-CM	Diagnosis
948.20	Burn (any degree) involving 20-29% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.21	Burn (any degree) involving 20-29% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.22	Burn (any degree) involving 20-29% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.3	Burn (any degree) involving 30-39% of body surface	ICD-9-CM	Diagnosis
948.30	Burn (any degree) involving 30-39% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.31	Burn (any degree) involving 30-39% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.32	Burn (any degree) involving 30-39% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.33	Burn (any degree) involving 30-39% of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis
948.4	Burn (any degree) involving 40-49% of body surface	ICD-9-CM	Diagnosis
948.40	Burn (any degree) involving 40-49% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.41	Burn (any degree) involving 40-49% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.42	Burn (any degree) involving 40-49% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.43	Burn (any degree) involving 40-49% of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis
948.44	Burn (any degree) involving 40-49% of body surface with third degree burn of 40-49%	ICD-9-CM	Diagnosis
948.5	Burn (any degree) involving 50-59% of body surface	ICD-9-CM	Diagnosis
948.50	Burn (any degree) involving 50-59% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.51	Burn (any degree) involving 50-59% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.52	Burn (any degree) involving 50-59% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.53	Burn (any degree) involving 50-59% of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
948.54	Burn (any degree) involving 50-59% of body surface with third degree burn of 40-49%	ICD-9-CM	Diagnosis
948.55	Burn (any degree) involving 50-59% of body surface with third degree burn of 50-59%	ICD-9-CM	Diagnosis
948.6	Burn (any degree) involving 60-69% of body surface	ICD-9-CM	Diagnosis
948.60	Burn (any degree) involving 60-69% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.61	Burn (any degree) involving 60-69% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.62	Burn (any degree) involving 60-69% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.63	Burn (any degree) involving 60-69% of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis
948.64	Burn (any degree) involving 60-69% of body surface with third degree burn of 40-49%	ICD-9-CM	Diagnosis
948.65	Burn (any degree) involving 60-69% of body surface with third degree burn of 50-59%	ICD-9-CM	Diagnosis
948.66	Burn (any degree) involving 60-69% of body surface with third degree burn of 60-69%	ICD-9-CM	Diagnosis
948.7	Burn (any degree) involving 70-79% of body surface	ICD-9-CM	Diagnosis
948.70	Burn (any degree) involving 70-79% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.71	Burn (any degree) involving 70-79% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.72	Burn (any degree) involving 70-79% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.73	Burn (any degree) involving 70-79% of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis
948.74	Burn (any degree) involving 70-79% of body surface with third degree burn of 40-49%	ICD-9-CM	Diagnosis
948.75	Burn (any degree) involving 70-79% of body surface with third degree burn of 50-59%	ICD-9-CM	Diagnosis
948.76	Burn (any degree) involving 70-79% of body surface with third degree burn of 60-69%	ICD-9-CM	Diagnosis
948.77	Burn (any degree) involving 70-79% of body surface with third degree burn of 70-79%	ICD-9-CM	Diagnosis
948.8	Burn (any degree) involving 80-89% of body surface	ICD-9-CM	Diagnosis
948.80	Burn (any degree) involving 80-89% of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.81	Burn (any degree) involving 80-89% of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.82	Burn (any degree) involving 80-89% of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
948.83	Burn (any degree) involving 80-89% of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis
948.84	Burn (any degree) involving 80-89% of body surface with third degree burn of 40-49%	ICD-9-CM	Diagnosis
948.85	Burn (any degree) involving 80-89% of body surface with third degree burn of 50-59%	ICD-9-CM	Diagnosis
948.86	Burn (any degree) involving 80-89% of body surface with third degree burn of 60-69%	ICD-9-CM	Diagnosis
948.87	Burn (any degree) involving 80-89% of body surface with third degree burn of 70-79%	ICD-9-CM	Diagnosis
948.88	Burn (any degree) involving 80-89% of body surface with third degree burn of 80-89%	ICD-9-CM	Diagnosis
948.9	Burn (any degree) involving 90% or more of body surface	ICD-9-CM	Diagnosis
948.90	Burn (any degree) involving 90% or more of body surface with third degree burn of less than 10% or unspecified amount	ICD-9-CM	Diagnosis
948.91	Burn (any degree) involving 90% or more of body surface with third degree burn of 10-19%	ICD-9-CM	Diagnosis
948.92	Burn (any degree) involving 90% or more of body surface with third degree burn of 20-29%	ICD-9-CM	Diagnosis
948.93	Burn (any degree) involving 90% or more of body surface with third degree burn of 30-39%	ICD-9-CM	Diagnosis
948.94	Burn (any degree) involving 90% or more of body surface with third degree burn of 40-49%	ICD-9-CM	Diagnosis
948.95	Burn (any degree) involving 90% or more of body surface with third degree burn of 50-59%	ICD-9-CM	Diagnosis
948.96	Burn (any degree) involving 90% or more of body surface with third degree burn of 60-69%	ICD-9-CM	Diagnosis
948.97	Burn (any degree) involving 90% or more of body surface with third degree burn of 70-79%	ICD-9-CM	Diagnosis
948.98	Burn (any degree) involving 90% or more of body surface with third degree burn of 80-89%	ICD-9-CM	Diagnosis
948.99	Burn (any degree) involving 90% or more of body surface with third degree burn of 90% or more of body surface	ICD-9-CM	Diagnosis
952	Spinal cord injury without evidence of spinal bone injury	ICD-9-CM	Diagnosis
952.0	Cervical spinal cord injury without evidence of spinal bone injury	ICD-9-CM	Diagnosis
952.00	C1-C4 level spinal cord injury, unspecified	ICD-9-CM	Diagnosis
952.01	C1-C4 level with complete lesion of spinal cord	ICD-9-CM	Diagnosis
952.02	C1-C4 level with anterior cord syndrome	ICD-9-CM	Diagnosis
952.03	C1-C4 level with central cord syndrome	ICD-9-CM	Diagnosis
952.04	C1-C4 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
952.05	C5-C7 level spinal cord injury, unspecified	ICD-9-CM	Diagnosis
952.06	C5-C7 level with complete lesion of spinal cord	ICD-9-CM	Diagnosis
952.07	C5-C7 level with anterior cord syndrome	ICD-9-CM	Diagnosis

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

Code	Description	Code Type	Code Category
952.08	C5-C7 level with central cord syndrome	ICD-9-CM	Diagnosis
952.09	C5-C7 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
952.1	Dorsal (thoracic) spinal cord injury without evidence of spinal bone injury	ICD-9-CM	Diagnosis
952.10	T1-T6 level spinal cord injury, unspecified	ICD-9-CM	Diagnosis
952.11	T1-T6 level with complete lesion of spinal cord	ICD-9-CM	Diagnosis
952.12	T1-T6 level with anterior cord syndrome	ICD-9-CM	Diagnosis
952.13	T1-T6 level with central cord syndrome	ICD-9-CM	Diagnosis
952.14	T1-T6 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
952.15	T7-T12 level spinal cord injury, unspecified	ICD-9-CM	Diagnosis
952.16	T7-T12 level with complete lesion of spinal cord	ICD-9-CM	Diagnosis
952.17	T7-T12 level with anterior cord syndrome	ICD-9-CM	Diagnosis
952.18	T7-T12 level with central cord syndrome	ICD-9-CM	Diagnosis
952.19	T7-T12 level with other specified spinal cord injury	ICD-9-CM	Diagnosis
952.2	Lumbar spinal cord injury without spinal bone injury	ICD-9-CM	Diagnosis
952.3	Sacral spinal cord injury without spinal bone injury	ICD-9-CM	Diagnosis
952.4	Cauda equina spinal cord injury without spinal bone injury	ICD-9-CM	Diagnosis
952.8	Multiple sites of spinal cord injury without spinal bone injury	ICD-9-CM	Diagnosis
952.9	Unspecified site of spinal cord injury without spinal bone injury	ICD-9-CM	Diagnosis
978	Poisoning by bacterial vaccines	ICD-9-CM	Diagnosis
978.0	Poisoning by BCG vaccine	ICD-9-CM	Diagnosis
978.1	Poisoning by typhoid and paratyphoid vaccine	ICD-9-CM	Diagnosis
978.2	Poisoning by cholera vaccine	ICD-9-CM	Diagnosis
978.3	Poisoning by plague vaccine	ICD-9-CM	Diagnosis
978.4	Poisoning by tetanus vaccine	ICD-9-CM	Diagnosis
978.5	Poisoning by diphtheria vaccine	ICD-9-CM	Diagnosis
978.6	Poisoning by pertussis vaccine, including combinations with pertussis component	ICD-9-CM	Diagnosis
978.8	Poisoning by other and unspecified bacterial vaccines	ICD-9-CM	Diagnosis
978.9	Poisoning by mixed bacterial vaccines, except combinations with pertussis component	ICD-9-CM	Diagnosis
S01.101A	Unspecified open wound of right eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.102A	Unspecified open wound of left eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.109A	Unspecified open wound of unspecified eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.111A	Laceration without foreign body of right eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.112A	Laceration without foreign body of left eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.119A	Laceration without foreign body of unspecified eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.121A	Laceration with foreign body of right eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.122A	Laceration with foreign body of left eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S01.129A	Laceration with foreign body of unspecified eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.131A	Puncture wound without foreign body of right eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.132A	Puncture wound without foreign body of left eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.139A	Puncture wound without foreign body of unspecified eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.141A	Puncture wound with foreign body of right eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.142A	Puncture wound with foreign body of left eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.149A	Puncture wound with foreign body of unspecified eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.151A	Open bite of right eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.152A	Open bite of left eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.159A	Open bite of unspecified eyelid and periocular area, initial encounter	ICD-10-CM	Diagnosis
S01.90XA	Unspecified open wound of unspecified part of head, initial encounter	ICD-10-CM	Diagnosis
S02.0XXA	Fracture of vault of skull, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.0XXB	Fracture of vault of skull, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.101A	Fracture of base of skull, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.101B	Fracture of base of skull, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.102A	Fracture of base of skull, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.102B	Fracture of base of skull, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.109A	Fracture of base of skull, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.109B	Fracture of base of skull, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.110A	Type I occipital condyle fracture, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.110B	Type I occipital condyle fracture, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.111A	Type II occipital condyle fracture, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.111B	Type II occipital condyle fracture, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.112A	Type III occipital condyle fracture, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.112B	Type III occipital condyle fracture, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.113A	Unspecified occipital condyle fracture, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.113B	Unspecified occipital condyle fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.118A	Other fracture of occiput, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.118B	Other fracture of occiput, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.119A	Unspecified fracture of occiput, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S02.119B	Unspecified fracture of occiput, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11AA	Type I occipital condyle fracture, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11AB	Type I occipital condyle fracture, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11BA	Type I occipital condyle fracture, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11BB	Type I occipital condyle fracture, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11CA	Type II occipital condyle fracture, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11CB	Type II occipital condyle fracture, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11DA	Type II occipital condyle fracture, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11DB	Type II occipital condyle fracture, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11EA	Type III occipital condyle fracture, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11EB	Type III occipital condyle fracture, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11FA	Type III occipital condyle fracture, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11FB	Type III occipital condyle fracture, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11GA	Other fracture of occiput, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11GB	Other fracture of occiput, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.11HA	Other fracture of occiput, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.11HB	Other fracture of occiput, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.19XA	Other fracture of base of skull, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.19XB	Other fracture of base of skull, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.2XXA	Fracture of nasal bones, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.2XXB	Fracture of nasal bones, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.30XA	Fracture of orbital floor, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.30XB	Fracture of orbital floor, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.31XA	Fracture of orbital floor, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.31XB	Fracture of orbital floor, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.32XA	Fracture of orbital floor, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.32XB	Fracture of orbital floor, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.400A	Malar fracture, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.400B	Malar fracture, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.401A	Maxillary fracture, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.401B	Maxillary fracture, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.402A	Zygomatic fracture, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.402B	Zygomatic fracture, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.40AA	Malar fracture, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.40AB	Malar fracture, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.40BA	Malar fracture, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.40BB	Malar fracture, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.40CA	Maxillary fracture, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.40CB	Maxillary fracture, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.40DA	Maxillary fracture, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.40DB	Maxillary fracture, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.40EA	Zygomatic fracture, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.40EB	Zygomatic fracture, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S02.40FA	Zygomatic fracture, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.40FB	Zygomatic fracture, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.411A	LeFort I fracture, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.411B	LeFort I fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.412A	LeFort II fracture, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.412B	LeFort II fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.413A	LeFort III fracture, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.413B	LeFort III fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.42XA	Fracture of alveolus of maxilla, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.42XB	Fracture of alveolus of maxilla, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.600A	Fracture of unspecified part of body of mandible, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.600B	Fracture of unspecified part of body of mandible, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.601A	Fracture of unspecified part of body of right mandible, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.601B	Fracture of unspecified part of body of right mandible, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.602A	Fracture of unspecified part of body of left mandible, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.602B	Fracture of unspecified part of body of left mandible, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.609A	Fracture of mandible, unspecified, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.609B	Fracture of mandible, unspecified, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.610A	Fracture of condylar process of mandible, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.610B	Fracture of condylar process of mandible, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.611A	Fracture of condylar process of right mandible, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.611B	Fracture of condylar process of right mandible, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.612A	Fracture of condylar process of left mandible, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.612B	Fracture of condylar process of left mandible, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.620A	Fracture of subcondylar process of mandible, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.620B	Fracture of subcondylar process of mandible, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.621A	Fracture of subcondylar process of right mandible, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.621B	Fracture of subcondylar process of right mandible, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

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

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

Code	Description	Code Type	Code Category
S02.69XB	Fracture of mandible of other specified site, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.80XA	Fracture of other specified skull and facial bones, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.80XB	Fracture of other specified skull and facial bones, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.81XA	Fracture of other specified skull and facial bones, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.81XB	Fracture of other specified skull and facial bones, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.82XA	Fracture of other specified skull and facial bones, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.82XB	Fracture of other specified skull and facial bones, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.91XA	Unspecified fracture of skull, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.91XB	Unspecified fracture of skull, initial encounter for open fracture	ICD-10-CM	Diagnosis
S02.92XA	Unspecified fracture of facial bones, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S02.92XB	Unspecified fracture of facial bones, initial encounter for open fracture	ICD-10-CM	Diagnosis
S05.40XA	Penetrating wound of orbit with or without foreign body, unspecified eye, initial encounter	ICD-10-CM	Diagnosis
S05.41XA	Penetrating wound of orbit with or without foreign body, right eye, initial encounter	ICD-10-CM	Diagnosis
S05.42XA	Penetrating wound of orbit with or without foreign body, left eye, initial encounter	ICD-10-CM	Diagnosis
S06.0X0A	Concussion without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.1X0A	Traumatic cerebral edema without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.1X1A	Traumatic cerebral edema with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.1X2A	Traumatic cerebral edema with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.1X3A	Traumatic cerebral edema with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.1X4A	Traumatic cerebral edema with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.1X5A	Traumatic cerebral edema with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.1X6A	Traumatic cerebral edema with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.1X7A	Traumatic cerebral edema with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.1X8A	Traumatic cerebral edema with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.1X9A	Traumatic cerebral edema with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.2X0A	Diffuse traumatic brain injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.2X1A	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.2X2A	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.2X3A	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.2X4A	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.2X5A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, initial encounter	ICD-10-CM	Diagnosis
S06.2X6A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.2X7A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.2X8A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.2X9A	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.300A	Unspecified focal traumatic brain injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.301A	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.302A	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.303A	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.304A	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.305A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.306A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.307A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.308A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.309A	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.310A	Contusion and laceration of right cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.311A	Contusion and laceration of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.312A	Contusion and laceration of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.313A	Contusion and laceration of right cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.314A	Contusion and laceration of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.315A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.316A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.317A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.318A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.319A	Contusion and laceration of right cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.320A	Contusion and laceration of left cerebrum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.321A	Contusion and laceration of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.322A	Contusion and laceration of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.323A	Contusion and laceration of left cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.324A	Contusion and laceration of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.325A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.326A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.327A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.328A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.329A	Contusion and laceration of left cerebrum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.330A	Contusion and laceration of cerebrum, unspecified, without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.331A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.332A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.333A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.334A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.339A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.360A	Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.361A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.362A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.363A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.364A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.365A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.369A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.370A	Contusion, laceration, and hemorrhage of cerebellum without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.371A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.372A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.373A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.374A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.375A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.376A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.377A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.378A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.379A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.380A	Contusion, laceration, and hemorrhage of brainstem without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.381A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.382A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.383A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.384A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.385A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.386A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.387A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.388A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.389A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.4X0A	Epidural hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X1A	Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.4X2A	Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.4X3A	Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.4X4A	Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.4X5A	Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.4X6A	Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.4X7A	Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X8A	Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.4X9A	Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.5X0A	Traumatic subdural hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.5X1A	Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.5X2A	Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.5X3A	Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.5X4A	Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.5X5A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.5X7A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.5X8A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.5X9A	Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.6X0A	Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X1A	Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.6X2A	Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.6X3A	Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.6X4A	Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.6X5A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.6X7A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X8A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.6X9A	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.810A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.811A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.812A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.813A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.814A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.815A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.816A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.817A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.818A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.819A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.820A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.821A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.822A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.823A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.824A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.825A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
S06.826A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	ICD-10-CM	Diagnosis
S06.827A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.828A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.829A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.890A	Other specified intracranial injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.891A	Other specified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.892A	Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.893A	Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.894A	Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.895A	Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.899A	Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S06.9X0A	Unspecified intracranial injury without loss of consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.9X1A	Unspecified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter	ICD-10-CM	Diagnosis
S06.9X2A	Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.9X3A	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	ICD-10-CM	Diagnosis
S06.9X4A	Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter	ICD-10-CM	Diagnosis
S06.9X5A	Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	ICD-10-CM	Diagnosis
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	ICD-10-CM	Diagnosis
S06.9X7A	Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis
S06.9X8A	Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S06.9X9A	Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter	ICD-10-CM	Diagnosis
S07.0XXA	Crushing injury of face, initial encounter	ICD-10-CM	Diagnosis
S07.1XXA	Crushing injury of skull, initial encounter	ICD-10-CM	Diagnosis
S07.8XXA	Crushing injury of other parts of head, initial encounter	ICD-10-CM	Diagnosis
S07.9XXA	Crushing injury of head, part unspecified, initial encounter	ICD-10-CM	Diagnosis
S12.000A	Unspecified displaced fracture of first cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.000B	Unspecified displaced fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.001A	Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.001B	Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.01XB	Stable burst fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.02XB	Unstable burst fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.030B	Displaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.031B	Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.040B	Displaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.041B	Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.090B	Other displaced fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.091B	Other nondisplaced fracture of first cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.100A	Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.100B	Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.101A	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.101B	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.110B	Anterior displaced Type II dens fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.111B	Posterior displaced Type II dens fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.112B	Nondisplaced Type II dens fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.120B	Other displaced dens fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.121B	Other nondisplaced dens fracture, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S12.130B	Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.131B	Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.14XB	Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.150B	Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.151B	Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.190B	Other displaced fracture of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.191B	Other nondisplaced fracture of second cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.200A	Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.200B	Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.201A	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.201B	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.230B	Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.231B	Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.24XB	Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.250B	Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.251B	Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.290B	Other displaced fracture of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.291B	Other nondisplaced fracture of third cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.300A	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.300B	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.301A	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S12.301B	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.330B	Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.331B	Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.34XB	Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.350B	Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.351B	Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.390B	Other displaced fracture of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.391B	Other nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.400A	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.400B	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.401A	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.401B	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.430B	Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.431B	Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.44XB	Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.450B	Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.451B	Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.490B	Other displaced fracture of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.491B	Other nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.500A	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.500B	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S12.501A	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.501B	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.530B	Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.531B	Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.54XB	Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.550B	Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.551B	Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.590B	Other displaced fracture of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.591B	Other nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.600A	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.600B	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.601A	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S12.601B	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.630B	Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.631B	Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.64XB	Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.650B	Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.651B	Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.690B	Other displaced fracture of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.691B	Other nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S12.8XXA	Fracture of other parts of neck, initial encounter	ICD-10-CM	Diagnosis
S12.9XXA	Fracture of neck, unspecified, initial encounter	ICD-10-CM	Diagnosis
S14.0XXA	Concussion and edema of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S14.101A	Unspecified injury at C1 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.102A	Unspecified injury at C2 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.103A	Unspecified injury at C3 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.104A	Unspecified injury at C4 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.105A	Unspecified injury at C5 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.106A	Unspecified injury at C6 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.107A	Unspecified injury at C7 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.108A	Unspecified injury at C8 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.109A	Unspecified injury at unspecified level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.111A	Complete lesion at C1 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.112A	Complete lesion at C2 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.113A	Complete lesion at C3 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.114A	Complete lesion at C4 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.115A	Complete lesion at C5 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.116A	Complete lesion at C6 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.117A	Complete lesion at C7 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.118A	Complete lesion at C8 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.119A	Complete lesion at unspecified level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.121A	Central cord syndrome at C1 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.122A	Central cord syndrome at C2 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.123A	Central cord syndrome at C3 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.124A	Central cord syndrome at C4 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.125A	Central cord syndrome at C5 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.126A	Central cord syndrome at C6 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.127A	Central cord syndrome at C7 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.128A	Central cord syndrome at C8 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.129A	Central cord syndrome at unspecified level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.131A	Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.132A	Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.133A	Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.134A	Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.135A	Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.136A	Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.137A	Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.138A	Anterior cord syndrome at C8 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.139A	Anterior cord syndrome at unspecified level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.141A	Brown-Sequard syndrome at C1 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.142A	Brown-Sequard syndrome at C2 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.143A	Brown-Sequard syndrome at C3 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.144A	Brown-Sequard syndrome at C4 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.145A	Brown-Sequard syndrome at C5 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S14.146A	Brown-Sequard syndrome at C6 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.147A	Brown-Sequard syndrome at C7 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.148A	Brown-Sequard syndrome at C8 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.149A	Brown-Sequard syndrome at unspecified level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.151A	Other incomplete lesion at C1 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.152A	Other incomplete lesion at C2 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.153A	Other incomplete lesion at C3 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.154A	Other incomplete lesion at C4 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.155A	Other incomplete lesion at C5 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.156A	Other incomplete lesion at C6 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.157A	Other incomplete lesion at C7 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.158A	Other incomplete lesion at C8 level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S14.159A	Other incomplete lesion at unspecified level of cervical spinal cord, initial encounter	ICD-10-CM	Diagnosis
S17.0XXA	Crushing injury of larynx and trachea, initial encounter	ICD-10-CM	Diagnosis
S17.8XXA	Crushing injury of other specified parts of neck, initial encounter	ICD-10-CM	Diagnosis
S17.9XXA	Crushing injury of neck, part unspecified, initial encounter	ICD-10-CM	Diagnosis
S21.301A	Unspecified open wound of right front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.302A	Unspecified open wound of left front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.309A	Unspecified open wound of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.311A	Laceration without foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.312A	Laceration without foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.319A	Laceration without foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.321A	Laceration with foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.322A	Laceration with foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.329A	Laceration with foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.331A	Puncture wound without foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.332A	Puncture wound without foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.339A	Puncture wound without foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S21.341A	Puncture wound with foreign body of right front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.342A	Puncture wound with foreign body of left front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.349A	Puncture wound with foreign body of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.351A	Open bite of right front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.352A	Open bite of left front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.359A	Open bite of unspecified front wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.401A	Unspecified open wound of right back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.402A	Unspecified open wound of left back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.409A	Unspecified open wound of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.411A	Laceration without foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.412A	Laceration without foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.419A	Laceration without foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.421A	Laceration with foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.422A	Laceration with foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.429A	Laceration with foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.431A	Puncture wound without foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.432A	Puncture wound without foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.439A	Puncture wound without foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.441A	Puncture wound with foreign body of right back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.442A	Puncture wound with foreign body of left back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.449A	Puncture wound with foreign body of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S21.451A	Open bite of right back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.452A	Open bite of left back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S21.459A	Open bite of unspecified back wall of thorax with penetration into thoracic cavity, initial encounter	ICD-10-CM	Diagnosis
S22.000B	Wedge compression fracture of unspecified thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.001B	Stable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.002B	Unstable burst fracture of unspecified thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.008B	Other fracture of unspecified thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.009A	Unspecified fracture of unspecified thoracic vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.009B	Unspecified fracture of unspecified thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.010B	Wedge compression fracture of first thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.011B	Stable burst fracture of first thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.012B	Unstable burst fracture of first thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.018B	Other fracture of first thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.019A	Unspecified fracture of first thoracic vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.019B	Unspecified fracture of first thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.020B	Wedge compression fracture of second thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.021B	Stable burst fracture of second thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.022B	Unstable burst fracture of second thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.028B	Other fracture of second thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.029A	Unspecified fracture of second thoracic vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.029B	Unspecified fracture of second thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.030B	Wedge compression fracture of third thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S22.031B	Stable burst fracture of third thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.032B	Unstable burst fracture of third thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.038B	Other fracture of third thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.039A	Unspecified fracture of third thoracic vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.039B	Unspecified fracture of third thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.040B	Wedge compression fracture of fourth thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.041B	Stable burst fracture of fourth thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.042B	Unstable burst fracture of fourth thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.048B	Other fracture of fourth thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.049A	Unspecified fracture of fourth thoracic vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.049B	Unspecified fracture of fourth thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.050B	Wedge compression fracture of T5-T6 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.051B	Stable burst fracture of T5-T6 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.052B	Unstable burst fracture of T5-T6 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.058B	Other fracture of T5-T6 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.059A	Unspecified fracture of T5-T6 vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.059B	Unspecified fracture of T5-T6 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.060B	Wedge compression fracture of T7-T8 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.061B	Stable burst fracture of T7-T8 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.062B	Unstable burst fracture of T7-T8 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.068B	Other fracture of T7-T8 thoracic vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.069A	Unspecified fracture of T7-T8 vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.069B	Unspecified fracture of T7-T8 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.070B	Wedge compression fracture of T9-T10 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.071B	Stable burst fracture of T9-T10 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.072B	Unstable burst fracture of T9-T10 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.078B	Other fracture of T9-T10 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.079A	Unspecified fracture of T9-T10 vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.079B	Unspecified fracture of T9-T10 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.080B	Wedge compression fracture of T11-T12 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S22.081B	Stable burst fracture of T11-T12 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.082B	Unstable burst fracture of T11-T12 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.088B	Other fracture of T11-T12 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.089A	Unspecified fracture of T11-T12 vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.089B	Unspecified fracture of T11-T12 vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.20XA	Unspecified fracture of sternum, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.20XB	Unspecified fracture of sternum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.21XA	Fracture of manubrium, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.21XB	Fracture of manubrium, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.22XA	Fracture of body of sternum, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.22XB	Fracture of body of sternum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.23XA	Sternal manubrial dissociation, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.23XB	Sternal manubrial dissociation, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.24XA	Fracture of xiphoid process, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.24XB	Fracture of xiphoid process, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.31XA	Fracture of one rib, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.31XB	Fracture of one rib, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.32XA	Fracture of one rib, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.32XB	Fracture of one rib, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.39XA	Fracture of one rib, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.39XB	Fracture of one rib, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.41XA	Multiple fractures of ribs, right side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.41XB	Multiple fractures of ribs, right side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.42XA	Multiple fractures of ribs, left side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.42XB	Multiple fractures of ribs, left side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.43XA	Multiple fractures of ribs, bilateral, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.43XB	Multiple fractures of ribs, bilateral, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.49XA	Multiple fractures of ribs, unspecified side, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.49XB	Multiple fractures of ribs, unspecified side, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.5XXA	Flail chest, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.5XXB	Flail chest, initial encounter for open fracture	ICD-10-CM	Diagnosis
S22.9XXA	Fracture of bony thorax, part unspecified, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S22.9XXB	Fracture of bony thorax, part unspecified, initial encounter for open fracture	ICD-10-CM	Diagnosis
S24.0XXA	Concussion and edema of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.101A	Unspecified injury at T1 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.102A	Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.103A	Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.104A	Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.109A	Unspecified injury at unspecified level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.111A	Complete lesion at T1 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.112A	Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.113A	Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.114A	Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S24.119A	Complete lesion at unspecified level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.131A	Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.132A	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.133A	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.134A	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.139A	Anterior cord syndrome at unspecified level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.141A	Brown-Sequard syndrome at T1 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.142A	Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.143A	Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.144A	Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.149A	Brown-Sequard syndrome at unspecified level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.151A	Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.152A	Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.153A	Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.154A	Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S24.159A	Other incomplete lesion at unspecified level of thoracic spinal cord, initial encounter	ICD-10-CM	Diagnosis
S26.00XA	Unspecified injury of heart with hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.01XA	Contusion of heart with hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.020A	Mild laceration of heart with hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.021A	Moderate laceration of heart with hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.022A	Major laceration of heart with hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.09XA	Other injury of heart with hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.10XA	Unspecified injury of heart without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.11XA	Contusion of heart without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.12XA	Laceration of heart without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.19XA	Other injury of heart without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.90XA	Unspecified injury of heart, unspecified with or without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.91XA	Contusion of heart, unspecified with or without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.92XA	Laceration of heart, unspecified with or without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S26.99XA	Other injury of heart, unspecified with or without hemopericardium, initial encounter	ICD-10-CM	Diagnosis
S27.301A	Unspecified injury of lung, unilateral, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S27.302A	Unspecified injury of lung, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.309A	Unspecified injury of lung, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.311A	Primary blast injury of lung, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.312A	Primary blast injury of lung, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.319A	Primary blast injury of lung, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.321A	Contusion of lung, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.322A	Contusion of lung, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.329A	Contusion of lung, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.331A	Laceration of lung, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.332A	Laceration of lung, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.339A	Laceration of lung, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.391A	Other injuries of lung, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.392A	Other injuries of lung, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.399A	Other injuries of lung, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.401A	Unspecified injury of bronchus, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.402A	Unspecified injury of bronchus, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.409A	Unspecified injury of bronchus, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.411A	Primary blast injury of bronchus, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.412A	Primary blast injury of bronchus, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.419A	Primary blast injury of bronchus, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.421A	Contusion of bronchus, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.422A	Contusion of bronchus, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.429A	Contusion of bronchus, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.431A	Laceration of bronchus, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.432A	Laceration of bronchus, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.439A	Laceration of bronchus, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.491A	Other injury of bronchus, unilateral, initial encounter	ICD-10-CM	Diagnosis
S27.492A	Other injury of bronchus, bilateral, initial encounter	ICD-10-CM	Diagnosis
S27.499A	Other injury of bronchus, unspecified, initial encounter	ICD-10-CM	Diagnosis
S27.50XA	Unspecified injury of thoracic trachea, initial encounter	ICD-10-CM	Diagnosis
S27.51XA	Primary blast injury of thoracic trachea, initial encounter	ICD-10-CM	Diagnosis
S27.52XA	Contusion of thoracic trachea, initial encounter	ICD-10-CM	Diagnosis
S27.53XA	Laceration of thoracic trachea, initial encounter	ICD-10-CM	Diagnosis
S27.59XA	Other injury of thoracic trachea, initial encounter	ICD-10-CM	Diagnosis
S27.60XA	Unspecified injury of pleura, initial encounter	ICD-10-CM	Diagnosis
S27.63XA	Laceration of pleura, initial encounter	ICD-10-CM	Diagnosis
S27.69XA	Other injury of pleura, initial encounter	ICD-10-CM	Diagnosis
S27.802A	Contusion of diaphragm, initial encounter	ICD-10-CM	Diagnosis
S27.803A	Laceration of diaphragm, initial encounter	ICD-10-CM	Diagnosis
S27.808A	Other injury of diaphragm, initial encounter	ICD-10-CM	Diagnosis
S27.809A	Unspecified injury of diaphragm, initial encounter	ICD-10-CM	Diagnosis
S27.812A	Contusion of esophagus (thoracic part), initial encounter	ICD-10-CM	Diagnosis
S27.813A	Laceration of esophagus (thoracic part), initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S27.818A	Other injury of esophagus (thoracic part), initial encounter	ICD-10-CM	Diagnosis
S27.819A	Unspecified injury of esophagus (thoracic part), initial encounter	ICD-10-CM	Diagnosis
S27.892A	Contusion of other specified intrathoracic organs, initial encounter	ICD-10-CM	Diagnosis
S27.893A	Laceration of other specified intrathoracic organs, initial encounter	ICD-10-CM	Diagnosis
S27.898A	Other injury of other specified intrathoracic organs, initial encounter	ICD-10-CM	Diagnosis
S27.899A	Unspecified injury of other specified intrathoracic organs, initial encounter	ICD-10-CM	Diagnosis
S27.9XXA	Injury of unspecified intrathoracic organ, initial encounter	ICD-10-CM	Diagnosis
S28.0XXA	Crushed chest, initial encounter	ICD-10-CM	Diagnosis
S31.001A	Unspecified open wound of lower back and pelvis with penetration into retroperitoneum, initial encounter	ICD-10-CM	Diagnosis
S31.011A	Laceration without foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	ICD-10-CM	Diagnosis
S31.021A	Laceration with foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	ICD-10-CM	Diagnosis
S31.031A	Puncture wound without foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	ICD-10-CM	Diagnosis
S31.041A	Puncture wound with foreign body of lower back and pelvis with penetration into retroperitoneum, initial encounter	ICD-10-CM	Diagnosis
S31.051A	Open bite of lower back and pelvis with penetration into retroperitoneum, initial encounter	ICD-10-CM	Diagnosis
S31.600A	Unspecified open wound of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.601A	Unspecified open wound of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.602A	Unspecified open wound of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.603A	Unspecified open wound of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.604A	Unspecified open wound of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.605A	Unspecified open wound of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.609A	Unspecified open wound of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.610A	Laceration without foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.611A	Laceration without foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.612A	Laceration without foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.613A	Laceration without foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S31.614A	Laceration without foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.615A	Laceration without foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.619A	Laceration without foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.620A	Laceration with foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.621A	Laceration with foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.622A	Laceration with foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.623A	Laceration with foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.624A	Laceration with foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.625A	Laceration with foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.629A	Laceration with foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.630A	Puncture wound without foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.631A	Puncture wound without foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.632A	Puncture wound without foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.633A	Puncture wound without foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.634A	Puncture wound without foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.635A	Puncture wound without foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.639A	Puncture wound without foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.640A	Puncture wound with foreign body of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.641A	Puncture wound with foreign body of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.642A	Puncture wound with foreign body of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.643A	Puncture wound with foreign body of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S31.644A	Puncture wound with foreign body of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.645A	Puncture wound with foreign body of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.649A	Puncture wound with foreign body of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.650A	Open bite of abdominal wall, right upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.651A	Open bite of abdominal wall, left upper quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.652A	Open bite of abdominal wall, epigastric region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.653A	Open bite of abdominal wall, right lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.654A	Open bite of abdominal wall, left lower quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.655A	Open bite of abdominal wall, periumbilic region with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S31.659A	Open bite of abdominal wall, unspecified quadrant with penetration into peritoneal cavity, initial encounter	ICD-10-CM	Diagnosis
S32.000B	Wedge compression fracture of unspecified lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.001B	Stable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.002B	Unstable burst fracture of unspecified lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.008B	Other fracture of unspecified lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.009A	Unspecified fracture of unspecified lumbar vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.009B	Unspecified fracture of unspecified lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.010B	Wedge compression fracture of first lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.011B	Stable burst fracture of first lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.012B	Unstable burst fracture of first lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.018B	Other fracture of first lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.019A	Unspecified fracture of first lumbar vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.019B	Unspecified fracture of first lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.020B	Wedge compression fracture of second lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S32.021B	Stable burst fracture of second lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.022B	Unstable burst fracture of second lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.028B	Other fracture of second lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.029A	Unspecified fracture of second lumbar vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.029B	Unspecified fracture of second lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.030B	Wedge compression fracture of third lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.031B	Stable burst fracture of third lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.032B	Unstable burst fracture of third lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.038B	Other fracture of third lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.039A	Unspecified fracture of third lumbar vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.039B	Unspecified fracture of third lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.040B	Wedge compression fracture of fourth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.041B	Stable burst fracture of fourth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.042B	Unstable burst fracture of fourth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.048B	Other fracture of fourth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.049A	Unspecified fracture of fourth lumbar vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.049B	Unspecified fracture of fourth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.050B	Wedge compression fracture of fifth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.051B	Stable burst fracture of fifth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.052B	Unstable burst fracture of fifth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.058B	Other fracture of fifth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.059A	Unspecified fracture of fifth lumbar vertebra, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.059B	Unspecified fracture of fifth lumbar vertebra, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.10XA	Unspecified fracture of sacrum, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.10XB	Unspecified fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.110B	Nondisplaced Zone I fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S32.111B	Minimally displaced Zone I fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.112B	Severely displaced Zone I fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.119B	Unspecified Zone I fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.120B	Nondisplaced Zone II fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.121B	Minimally displaced Zone II fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.122B	Severely displaced Zone II fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.129B	Unspecified Zone II fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.130B	Nondisplaced Zone III fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.131B	Minimally displaced Zone III fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.132B	Severely displaced Zone III fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.139B	Unspecified Zone III fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.14XB	Type 1 fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.15XB	Type 2 fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.16XB	Type 3 fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.17XB	Type 4 fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.19XB	Other fracture of sacrum, initial encounter for open fracture	ICD-10-CM	Diagnosis
S32.2XXA	Fracture of coccyx, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S32.2XXB	Fracture of coccyx, initial encounter for open fracture	ICD-10-CM	Diagnosis
S34.01XA	Concussion and edema of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.02XA	Concussion and edema of sacral spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.101A	Unspecified injury to L1 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.102A	Unspecified injury to L2 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.103A	Unspecified injury to L3 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.104A	Unspecified injury to L4 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.105A	Unspecified injury to L5 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.109A	Unspecified injury to unspecified level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.111A	Complete lesion of L1 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.112A	Complete lesion of L2 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.113A	Complete lesion of L3 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.114A	Complete lesion of L4 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.115A	Complete lesion of L5 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.119A	Complete lesion of unspecified level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.121A	Incomplete lesion of L1 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.122A	Incomplete lesion of L2 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.123A	Incomplete lesion of L3 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.124A	Incomplete lesion of L4 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.125A	Incomplete lesion of L5 level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.129A	Incomplete lesion of unspecified level of lumbar spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.131A	Complete lesion of sacral spinal cord, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S34.132A	Incomplete lesion of sacral spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.139A	Unspecified injury to sacral spinal cord, initial encounter	ICD-10-CM	Diagnosis
S34.3XXA	Injury of cauda equina, initial encounter	ICD-10-CM	Diagnosis
S36.00XA	Unspecified injury of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.020A	Minor contusion of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.021A	Major contusion of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.029A	Unspecified contusion of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.030A	Superficial (capsular) laceration of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.031A	Moderate laceration of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.032A	Major laceration of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.039A	Unspecified laceration of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.09XA	Other injury of spleen, initial encounter	ICD-10-CM	Diagnosis
S36.112A	Contusion of liver, initial encounter	ICD-10-CM	Diagnosis
S36.113A	Laceration of liver, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S36.114A	Minor laceration of liver, initial encounter	ICD-10-CM	Diagnosis
S36.115A	Moderate laceration of liver, initial encounter	ICD-10-CM	Diagnosis
S36.116A	Major laceration of liver, initial encounter	ICD-10-CM	Diagnosis
S36.118A	Other injury of liver, initial encounter	ICD-10-CM	Diagnosis
S36.119A	Unspecified injury of liver, initial encounter	ICD-10-CM	Diagnosis
S36.122A	Contusion of gallbladder, initial encounter	ICD-10-CM	Diagnosis
S36.123A	Laceration of gallbladder, initial encounter	ICD-10-CM	Diagnosis
S36.128A	Other injury of gallbladder, initial encounter	ICD-10-CM	Diagnosis
S36.129A	Unspecified injury of gallbladder, initial encounter	ICD-10-CM	Diagnosis
S36.13XA	Injury of bile duct, initial encounter	ICD-10-CM	Diagnosis
S36.200A	Unspecified injury of head of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.201A	Unspecified injury of body of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.202A	Unspecified injury of tail of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.209A	Unspecified injury of unspecified part of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.220A	Contusion of head of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.221A	Contusion of body of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.222A	Contusion of tail of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.229A	Contusion of unspecified part of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.230A	Laceration of head of pancreas, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S36.231A	Laceration of body of pancreas, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S36.232A	Laceration of tail of pancreas, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S36.239A	Laceration of unspecified part of pancreas, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S36.240A	Minor laceration of head of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.241A	Minor laceration of body of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.242A	Minor laceration of tail of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.249A	Minor laceration of unspecified part of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.250A	Moderate laceration of head of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.251A	Moderate laceration of body of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.252A	Moderate laceration of tail of pancreas, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S36.259A	Moderate laceration of unspecified part of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.260A	Major laceration of head of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.261A	Major laceration of body of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.262A	Major laceration of tail of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.269A	Major laceration of unspecified part of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.290A	Other injury of head of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.291A	Other injury of body of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.292A	Other injury of tail of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.299A	Other injury of unspecified part of pancreas, initial encounter	ICD-10-CM	Diagnosis
S36.30XA	Unspecified injury of stomach, initial encounter	ICD-10-CM	Diagnosis
S36.32XA	Contusion of stomach, initial encounter	ICD-10-CM	Diagnosis
S36.33XA	Laceration of stomach, initial encounter	ICD-10-CM	Diagnosis
S36.39XA	Other injury of stomach, initial encounter	ICD-10-CM	Diagnosis
S36.400A	Unspecified injury of duodenum, initial encounter	ICD-10-CM	Diagnosis
S36.408A	Unspecified injury of other part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.409A	Unspecified injury of unspecified part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.410A	Primary blast injury of duodenum, initial encounter	ICD-10-CM	Diagnosis
S36.418A	Primary blast injury of other part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.419A	Primary blast injury of unspecified part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.420A	Contusion of duodenum, initial encounter	ICD-10-CM	Diagnosis
S36.428A	Contusion of other part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.429A	Contusion of unspecified part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.430A	Laceration of duodenum, initial encounter	ICD-10-CM	Diagnosis
S36.438A	Laceration of other part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.439A	Laceration of unspecified part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.490A	Other injury of duodenum, initial encounter	ICD-10-CM	Diagnosis
S36.498A	Other injury of other part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.499A	Other injury of unspecified part of small intestine, initial encounter	ICD-10-CM	Diagnosis
S36.500A	Unspecified injury of ascending [right] colon, initial encounter	ICD-10-CM	Diagnosis
S36.501A	Unspecified injury of transverse colon, initial encounter	ICD-10-CM	Diagnosis
S36.502A	Unspecified injury of descending [left] colon, initial encounter	ICD-10-CM	Diagnosis
S36.503A	Unspecified injury of sigmoid colon, initial encounter	ICD-10-CM	Diagnosis
S36.508A	Unspecified injury of other part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.509A	Unspecified injury of unspecified part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.510A	Primary blast injury of ascending [right] colon, initial encounter	ICD-10-CM	Diagnosis
S36.511A	Primary blast injury of transverse colon, initial encounter	ICD-10-CM	Diagnosis
S36.512A	Primary blast injury of descending [left] colon, initial encounter	ICD-10-CM	Diagnosis
S36.513A	Primary blast injury of sigmoid colon, initial encounter	ICD-10-CM	Diagnosis
S36.518A	Primary blast injury of other part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.519A	Primary blast injury of unspecified part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.520A	Contusion of ascending [right] colon, initial encounter	ICD-10-CM	Diagnosis
S36.521A	Contusion of transverse colon, initial encounter	ICD-10-CM	Diagnosis
S36.522A	Contusion of descending [left] colon, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S36.523A	Contusion of sigmoid colon, initial encounter	ICD-10-CM	Diagnosis
S36.528A	Contusion of other part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.529A	Contusion of unspecified part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.530A	Laceration of ascending [right] colon, initial encounter	ICD-10-CM	Diagnosis
S36.531A	Laceration of transverse colon, initial encounter	ICD-10-CM	Diagnosis
S36.532A	Laceration of descending [left] colon, initial encounter	ICD-10-CM	Diagnosis
S36.533A	Laceration of sigmoid colon, initial encounter	ICD-10-CM	Diagnosis
S36.538A	Laceration of other part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.539A	Laceration of unspecified part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.590A	Other injury of ascending [right] colon, initial encounter	ICD-10-CM	Diagnosis
S36.591A	Other injury of transverse colon, initial encounter	ICD-10-CM	Diagnosis
S36.592A	Other injury of descending [left] colon, initial encounter	ICD-10-CM	Diagnosis
S36.593A	Other injury of sigmoid colon, initial encounter	ICD-10-CM	Diagnosis
S36.598A	Other injury of other part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.599A	Other injury of unspecified part of colon, initial encounter	ICD-10-CM	Diagnosis
S36.60XA	Unspecified injury of rectum, initial encounter	ICD-10-CM	Diagnosis
S36.61XA	Primary blast injury of rectum, initial encounter	ICD-10-CM	Diagnosis
S36.62XA	Contusion of rectum, initial encounter	ICD-10-CM	Diagnosis
S36.63XA	Laceration of rectum, initial encounter	ICD-10-CM	Diagnosis
S36.69XA	Other injury of rectum, initial encounter	ICD-10-CM	Diagnosis
S36.81XA	Injury of peritoneum, initial encounter	ICD-10-CM	Diagnosis
S36.892A	Contusion of other intra-abdominal organs, initial encounter	ICD-10-CM	Diagnosis
S36.893A	Laceration of other intra-abdominal organs, initial encounter	ICD-10-CM	Diagnosis
S36.898A	Other injury of other intra-abdominal organs, initial encounter	ICD-10-CM	Diagnosis
S36.899A	Unspecified injury of other intra-abdominal organs, initial encounter	ICD-10-CM	Diagnosis
S36.90XA	Unspecified injury of unspecified intra-abdominal organ, initial encounter	ICD-10-CM	Diagnosis
S36.92XA	Contusion of unspecified intra-abdominal organ, initial encounter	ICD-10-CM	Diagnosis
S36.93XA	Laceration of unspecified intra-abdominal organ, initial encounter	ICD-10-CM	Diagnosis
S36.99XA	Other injury of unspecified intra-abdominal organ, initial encounter	ICD-10-CM	Diagnosis
S37.001A	Unspecified injury of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.002A	Unspecified injury of left kidney, initial encounter	ICD-10-CM	Diagnosis
S37.009A	Unspecified injury of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.011A	Minor contusion of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.012A	Minor contusion of left kidney, initial encounter	ICD-10-CM	Diagnosis
S37.019A	Minor contusion of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.021A	Major contusion of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.022A	Major contusion of left kidney, initial encounter	ICD-10-CM	Diagnosis
S37.029A	Major contusion of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.031A	Laceration of right kidney, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S37.032A	Laceration of left kidney, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S37.039A	Laceration of unspecified kidney, unspecified degree, initial encounter	ICD-10-CM	Diagnosis
S37.041A	Minor laceration of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.042A	Minor laceration of left kidney, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S37.049A	Minor laceration of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.051A	Moderate laceration of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.052A	Moderate laceration of left kidney, initial encounter	ICD-10-CM	Diagnosis
S37.059A	Moderate laceration of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.061A	Major laceration of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.062A	Major laceration of left kidney, initial encounter	ICD-10-CM	Diagnosis
S37.069A	Major laceration of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.091A	Other injury of right kidney, initial encounter	ICD-10-CM	Diagnosis
S37.092A	Other injury of left kidney, initial encounter	ICD-10-CM	Diagnosis
S37.099A	Other injury of unspecified kidney, initial encounter	ICD-10-CM	Diagnosis
S37.10XA	Unspecified injury of ureter, initial encounter	ICD-10-CM	Diagnosis
S37.12XA	Contusion of ureter, initial encounter	ICD-10-CM	Diagnosis
S37.13XA	Laceration of ureter, initial encounter	ICD-10-CM	Diagnosis
S37.19XA	Other injury of ureter, initial encounter	ICD-10-CM	Diagnosis
S37.20XA	Unspecified injury of bladder, initial encounter	ICD-10-CM	Diagnosis
S37.22XA	Contusion of bladder, initial encounter	ICD-10-CM	Diagnosis
S37.23XA	Laceration of bladder, initial encounter	ICD-10-CM	Diagnosis
S37.29XA	Other injury of bladder, initial encounter	ICD-10-CM	Diagnosis
S37.30XA	Unspecified injury of urethra, initial encounter	ICD-10-CM	Diagnosis
S37.32XA	Contusion of urethra, initial encounter	ICD-10-CM	Diagnosis
S37.33XA	Laceration of urethra, initial encounter	ICD-10-CM	Diagnosis
S37.39XA	Other injury of urethra, initial encounter	ICD-10-CM	Diagnosis
S37.401A	Unspecified injury of ovary, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.402A	Unspecified injury of ovary, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.409A	Unspecified injury of ovary, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.421A	Contusion of ovary, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.422A	Contusion of ovary, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.429A	Contusion of ovary, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.431A	Laceration of ovary, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.432A	Laceration of ovary, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.439A	Laceration of ovary, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.491A	Other injury of ovary, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.492A	Other injury of ovary, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.499A	Other injury of ovary, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.501A	Unspecified injury of fallopian tube, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.502A	Unspecified injury of fallopian tube, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.509A	Unspecified injury of fallopian tube, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.511A	Primary blast injury of fallopian tube, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.512A	Primary blast injury of fallopian tube, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.519A	Primary blast injury of fallopian tube, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.521A	Contusion of fallopian tube, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.522A	Contusion of fallopian tube, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.529A	Contusion of fallopian tube, unspecified, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S37.531A	Laceration of fallopian tube, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.532A	Laceration of fallopian tube, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.539A	Laceration of fallopian tube, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.591A	Other injury of fallopian tube, unilateral, initial encounter	ICD-10-CM	Diagnosis
S37.592A	Other injury of fallopian tube, bilateral, initial encounter	ICD-10-CM	Diagnosis
S37.599A	Other injury of fallopian tube, unspecified, initial encounter	ICD-10-CM	Diagnosis
S37.60XA	Unspecified injury of uterus, initial encounter	ICD-10-CM	Diagnosis
S37.62XA	Contusion of uterus, initial encounter	ICD-10-CM	Diagnosis
S37.63XA	Laceration of uterus, initial encounter	ICD-10-CM	Diagnosis
S37.69XA	Other injury of uterus, initial encounter	ICD-10-CM	Diagnosis
S37.812A	Contusion of adrenal gland, initial encounter	ICD-10-CM	Diagnosis
S37.813A	Laceration of adrenal gland, initial encounter	ICD-10-CM	Diagnosis
S37.818A	Other injury of adrenal gland, initial encounter	ICD-10-CM	Diagnosis
S37.819A	Unspecified injury of adrenal gland, initial encounter	ICD-10-CM	Diagnosis
S37.822A	Contusion of prostate, initial encounter	ICD-10-CM	Diagnosis
S37.823A	Laceration of prostate, initial encounter	ICD-10-CM	Diagnosis
S37.828A	Other injury of prostate, initial encounter	ICD-10-CM	Diagnosis
S37.829A	Unspecified injury of prostate, initial encounter	ICD-10-CM	Diagnosis
S37.892A	Contusion of other urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.893A	Laceration of other urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.898A	Other injury of other urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.899A	Unspecified injury of other urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.90XA	Unspecified injury of unspecified urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.92XA	Contusion of unspecified urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.93XA	Laceration of unspecified urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S37.99XA	Other injury of unspecified urinary and pelvic organ, initial encounter	ICD-10-CM	Diagnosis
S38.001A	Crushing injury of unspecified external genital organs, male, initial encounter	ICD-10-CM	Diagnosis
S38.002A	Crushing injury of unspecified external genital organs, female, initial encounter	ICD-10-CM	Diagnosis
S38.01XA	Crushing injury of penis, initial encounter	ICD-10-CM	Diagnosis
S38.02XA	Crushing injury of scrotum and testis, initial encounter	ICD-10-CM	Diagnosis
S38.03XA	Crushing injury of vulva, initial encounter	ICD-10-CM	Diagnosis
S38.1XXA	Crushing injury of abdomen, lower back, and pelvis, initial encounter	ICD-10-CM	Diagnosis
S42.90XA	Fracture of unspecified shoulder girdle, part unspecified, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S42.90XB	Fracture of unspecified shoulder girdle, part unspecified, initial encounter for open fracture	ICD-10-CM	Diagnosis
S47.1XXA	Crushing injury of right shoulder and upper arm, initial encounter	ICD-10-CM	Diagnosis
S47.2XXA	Crushing injury of left shoulder and upper arm, initial encounter	ICD-10-CM	Diagnosis
S47.9XXA	Crushing injury of shoulder and upper arm, unspecified arm, initial encounter	ICD-10-CM	Diagnosis
S52.90XA	Unspecified fracture of unspecified forearm, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S52.90XB	Unspecified fracture of unspecified forearm, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S57.00XA	Crushing injury of unspecified elbow, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S57.01XA	Crushing injury of right elbow, initial encounter	ICD-10-CM	Diagnosis
S57.02XA	Crushing injury of left elbow, initial encounter	ICD-10-CM	Diagnosis
S57.80XA	Crushing injury of unspecified forearm, initial encounter	ICD-10-CM	Diagnosis
S57.81XA	Crushing injury of right forearm, initial encounter	ICD-10-CM	Diagnosis
S57.82XA	Crushing injury of left forearm, initial encounter	ICD-10-CM	Diagnosis
S67.00XA	Crushing injury of unspecified thumb, initial encounter	ICD-10-CM	Diagnosis
S67.01XA	Crushing injury of right thumb, initial encounter	ICD-10-CM	Diagnosis
S67.02XA	Crushing injury of left thumb, initial encounter	ICD-10-CM	Diagnosis
S67.10XA	Crushing injury of unspecified finger(s), initial encounter	ICD-10-CM	Diagnosis
S67.190A	Crushing injury of right index finger, initial encounter	ICD-10-CM	Diagnosis
S67.191A	Crushing injury of left index finger, initial encounter	ICD-10-CM	Diagnosis
S67.192A	Crushing injury of right middle finger, initial encounter	ICD-10-CM	Diagnosis
S67.193A	Crushing injury of left middle finger, initial encounter	ICD-10-CM	Diagnosis
S67.194A	Crushing injury of right ring finger, initial encounter	ICD-10-CM	Diagnosis
S67.195A	Crushing injury of left ring finger, initial encounter	ICD-10-CM	Diagnosis
S67.196A	Crushing injury of right little finger, initial encounter	ICD-10-CM	Diagnosis
S67.197A	Crushing injury of left little finger, initial encounter	ICD-10-CM	Diagnosis
S67.198A	Crushing injury of other finger, initial encounter	ICD-10-CM	Diagnosis
S67.20XA	Crushing injury of unspecified hand, initial encounter	ICD-10-CM	Diagnosis
S67.21XA	Crushing injury of right hand, initial encounter	ICD-10-CM	Diagnosis
S67.22XA	Crushing injury of left hand, initial encounter	ICD-10-CM	Diagnosis
S67.30XA	Crushing injury of unspecified wrist, initial encounter	ICD-10-CM	Diagnosis
S67.31XA	Crushing injury of right wrist, initial encounter	ICD-10-CM	Diagnosis
S67.32XA	Crushing injury of left wrist, initial encounter	ICD-10-CM	Diagnosis
S67.40XA	Crushing injury of unspecified wrist and hand, initial encounter	ICD-10-CM	Diagnosis
S67.41XA	Crushing injury of right wrist and hand, initial encounter	ICD-10-CM	Diagnosis
S67.42XA	Crushing injury of left wrist and hand, initial encounter	ICD-10-CM	Diagnosis
S67.90XA	Crushing injury of unspecified part(s) of unspecified wrist, hand and fingers, initial encounter	ICD-10-CM	Diagnosis
S67.91XA	Crushing injury of unspecified part(s) of right wrist, hand and fingers, initial encounter	ICD-10-CM	Diagnosis
S67.92XA	Crushing injury of unspecified part(s) of left wrist, hand and fingers, initial encounter	ICD-10-CM	Diagnosis
S71.001A	Unspecified open wound, right hip, initial encounter	ICD-10-CM	Diagnosis
S71.002A	Unspecified open wound, left hip, initial encounter	ICD-10-CM	Diagnosis
S71.009A	Unspecified open wound, unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S71.011A	Laceration without foreign body, right hip, initial encounter	ICD-10-CM	Diagnosis
S71.012A	Laceration without foreign body, left hip, initial encounter	ICD-10-CM	Diagnosis
S71.019A	Laceration without foreign body, unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S71.021A	Laceration with foreign body, right hip, initial encounter	ICD-10-CM	Diagnosis
S71.022A	Laceration with foreign body, left hip, initial encounter	ICD-10-CM	Diagnosis
S71.029A	Laceration with foreign body, unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S71.031A	Puncture wound without foreign body, right hip, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S71.032A	Puncture wound without foreign body, left hip, initial encounter	ICD-10-CM	Diagnosis
S71.039A	Puncture wound without foreign body, unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S71.041A	Puncture wound with foreign body, right hip, initial encounter	ICD-10-CM	Diagnosis
S71.042A	Puncture wound with foreign body, left hip, initial encounter	ICD-10-CM	Diagnosis
S71.049A	Puncture wound with foreign body, unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S71.051A	Open bite, right hip, initial encounter	ICD-10-CM	Diagnosis
S71.052A	Open bite, left hip, initial encounter	ICD-10-CM	Diagnosis
S71.059A	Open bite, unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S71.101A	Unspecified open wound, right thigh, initial encounter	ICD-10-CM	Diagnosis
S71.102A	Unspecified open wound, left thigh, initial encounter	ICD-10-CM	Diagnosis
S71.109A	Unspecified open wound, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S71.111A	Laceration without foreign body, right thigh, initial encounter	ICD-10-CM	Diagnosis
S71.112A	Laceration without foreign body, left thigh, initial encounter	ICD-10-CM	Diagnosis
S71.119A	Laceration without foreign body, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S71.121A	Laceration with foreign body, right thigh, initial encounter	ICD-10-CM	Diagnosis
S71.122A	Laceration with foreign body, left thigh, initial encounter	ICD-10-CM	Diagnosis
S71.129A	Laceration with foreign body, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S71.131A	Puncture wound without foreign body, right thigh, initial encounter	ICD-10-CM	Diagnosis
S71.132A	Puncture wound without foreign body, left thigh, initial encounter	ICD-10-CM	Diagnosis
S71.139A	Puncture wound without foreign body, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S71.141A	Puncture wound with foreign body, right thigh, initial encounter	ICD-10-CM	Diagnosis
S71.142A	Puncture wound with foreign body, left thigh, initial encounter	ICD-10-CM	Diagnosis
S71.149A	Puncture wound with foreign body, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S71.151A	Open bite, right thigh, initial encounter	ICD-10-CM	Diagnosis
S71.152A	Open bite, left thigh, initial encounter	ICD-10-CM	Diagnosis
S71.159A	Open bite, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S72.001B	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.001C	Fracture of unspecified part of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.002B	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.002C	Fracture of unspecified part of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.009B	Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.009C	Fracture of unspecified part of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.011B	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.011C	Unspecified intracapsular fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.012B	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.012C	Unspecified intracapsular fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.019B	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.019C	Unspecified intracapsular fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.021B	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.021C	Displaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.022B	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.022C	Displaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.023B	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.023C	Displaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.024B	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.024C	Nondisplaced fracture of epiphysis (separation) (upper) of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.025B	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.025C	Nondisplaced fracture of epiphysis (separation) (upper) of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.026B	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.026C	Nondisplaced fracture of epiphysis (separation) (upper) of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.031B	Displaced midcervical fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.031C	Displaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.032B	Displaced midcervical fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.032C	Displaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.033B	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.033C	Displaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.034B	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.034C	Nondisplaced midcervical fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.035B	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.035C	Nondisplaced midcervical fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.036B	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.036C	Nondisplaced midcervical fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.041B	Displaced fracture of base of neck of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.041C	Displaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.042B	Displaced fracture of base of neck of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.042C	Displaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.043B	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.043C	Displaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.044B	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.044C	Nondisplaced fracture of base of neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.045B	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.045C	Nondisplaced fracture of base of neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.046B	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.046C	Nondisplaced fracture of base of neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.051B	Unspecified fracture of head of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.051C	Unspecified fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.052B	Unspecified fracture of head of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.052C	Unspecified fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.059B	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.059C	Unspecified fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.061B	Displaced articular fracture of head of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.061C	Displaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.062B	Displaced articular fracture of head of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.062C	Displaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.063B	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.063C	Displaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.064B	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.064C	Nondisplaced articular fracture of head of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.065B	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.065C	Nondisplaced articular fracture of head of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.066B	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.066C	Nondisplaced articular fracture of head of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.091B	Other fracture of head and neck of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.091C	Other fracture of head and neck of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.092B	Other fracture of head and neck of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.092C	Other fracture of head and neck of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.099B	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.099C	Other fracture of head and neck of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.101B	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.101C	Unspecified trochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.102B	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.102C	Unspecified trochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.109B	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.109C	Unspecified trochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.111B	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.111C	Displaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.112B	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.112C	Displaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.113B	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.113C	Displaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.114B	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.114C	Nondisplaced fracture of greater trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.115B	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.115C	Nondisplaced fracture of greater trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.116B	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.116C	Nondisplaced fracture of greater trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.121B	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.121C	Displaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.122B	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.122C	Displaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.123B	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.123C	Displaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.124B	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.124C	Nondisplaced fracture of lesser trochanter of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.125B	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.125C	Nondisplaced fracture of lesser trochanter of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.126B	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.126C	Nondisplaced fracture of lesser trochanter of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.131B	Displaced apophyseal fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.131C	Displaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.132B	Displaced apophyseal fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.132C	Displaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.133B	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.133C	Displaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.134B	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.134C	Nondisplaced apophyseal fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.135B	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.135C	Nondisplaced apophyseal fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.136B	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.136C	Nondisplaced apophyseal fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.141B	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.141C	Displaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.142B	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.142C	Displaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.143B	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.143C	Displaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.144B	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.144C	Nondisplaced intertrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.145B	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.145C	Nondisplaced intertrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.146B	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.146C	Nondisplaced intertrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.21XB	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.21XC	Displaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.22XB	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.22XC	Displaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.23XB	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.23XC	Displaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.24XB	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.24XC	Nondisplaced subtrochanteric fracture of right femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S72.25XB	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.25XC	Nondisplaced subtrochanteric fracture of left femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.26XB	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S72.26XC	Nondisplaced subtrochanteric fracture of unspecified femur, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S72.90XA	Unspecified fracture of unspecified femur, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S72.90XE	Unspecified fracture of unspecified femur, subsequent encounter for open fracture type I or II with routine healing	ICD-10-CM	Diagnosis
S72.91XA	Unspecified fracture of right femur, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S72.91XE	Unspecified fracture of right femur, subsequent encounter for open fracture type I or II with routine healing	ICD-10-CM	Diagnosis
S72.92XA	Unspecified fracture of left femur, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S72.92XE	Unspecified fracture of left femur, subsequent encounter for open fracture type I or II with routine healing	ICD-10-CM	Diagnosis
S76.021A	Laceration of muscle, fascia and tendon of right hip, initial encounter	ICD-10-CM	Diagnosis
S76.022A	Laceration of muscle, fascia and tendon of left hip, initial encounter	ICD-10-CM	Diagnosis
S76.029A	Laceration of muscle, fascia and tendon of unspecified hip, initial encounter	ICD-10-CM	Diagnosis
S76.121A	Laceration of right quadriceps muscle, fascia and tendon, initial encounter	ICD-10-CM	Diagnosis
S76.122A	Laceration of left quadriceps muscle, fascia and tendon, initial encounter	ICD-10-CM	Diagnosis
S76.129A	Laceration of unspecified quadriceps muscle, fascia and tendon, initial encounter	ICD-10-CM	Diagnosis
S76.221A	Laceration of adductor muscle, fascia and tendon of right thigh, initial encounter	ICD-10-CM	Diagnosis
S76.222A	Laceration of adductor muscle, fascia and tendon of left thigh, initial encounter	ICD-10-CM	Diagnosis
S76.229A	Laceration of adductor muscle, fascia and tendon of unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S76.321A	Laceration of muscle, fascia and tendon of the posterior muscle group at thigh level, right thigh, initial encounter	ICD-10-CM	Diagnosis
S76.322A	Laceration of muscle, fascia and tendon of the posterior muscle group at thigh level, left thigh, initial encounter	ICD-10-CM	Diagnosis
S76.329A	Laceration of muscle, fascia and tendon of the posterior muscle group at thigh level, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S76.821A	Laceration of other specified muscles, fascia and tendons at thigh level, right thigh, initial encounter	ICD-10-CM	Diagnosis
S76.822A	Laceration of other specified muscles, fascia and tendons at thigh level, left thigh, initial encounter	ICD-10-CM	Diagnosis
S76.829A	Laceration of other specified muscles, fascia and tendons at thigh level, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S76.921A	Laceration of unspecified muscles, fascia and tendons at thigh level, right thigh, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S76.922A	Laceration of unspecified muscles, fascia and tendons at thigh level, left thigh, initial encounter	ICD-10-CM	Diagnosis
S76.929A	Laceration of unspecified muscles, fascia and tendons at thigh level, unspecified thigh, initial encounter	ICD-10-CM	Diagnosis
S77.20XA	Crushing injury of unspecified hip with thigh, initial encounter	ICD-10-CM	Diagnosis
S78.011A	Complete traumatic amputation at right hip joint, initial encounter	ICD-10-CM	Diagnosis
S78.012A	Complete traumatic amputation at left hip joint, initial encounter	ICD-10-CM	Diagnosis
S78.019A	Complete traumatic amputation at unspecified hip joint, initial encounter	ICD-10-CM	Diagnosis
S78.021A	Partial traumatic amputation at right hip joint, initial encounter	ICD-10-CM	Diagnosis
S78.022A	Partial traumatic amputation at left hip joint, initial encounter	ICD-10-CM	Diagnosis
S78.029A	Partial traumatic amputation at unspecified hip joint, initial encounter	ICD-10-CM	Diagnosis
S78.111A	Complete traumatic amputation at level between right hip and knee, initial encounter	ICD-10-CM	Diagnosis
S78.112A	Complete traumatic amputation at level between left hip and knee, initial encounter	ICD-10-CM	Diagnosis
S78.119A	Complete traumatic amputation at level between unspecified hip and knee, initial encounter	ICD-10-CM	Diagnosis
S78.121A	Partial traumatic amputation at level between right hip and knee, initial encounter	ICD-10-CM	Diagnosis
S78.122A	Partial traumatic amputation at level between left hip and knee, initial encounter	ICD-10-CM	Diagnosis
S78.129A	Partial traumatic amputation at level between unspecified hip and knee, initial encounter	ICD-10-CM	Diagnosis
S78.911A	Complete traumatic amputation of right hip and thigh, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S78.912A	Complete traumatic amputation of left hip and thigh, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S78.919A	Complete traumatic amputation of unspecified hip and thigh, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S78.921A	Partial traumatic amputation of right hip and thigh, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S78.922A	Partial traumatic amputation of left hip and thigh, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S78.929A	Partial traumatic amputation of unspecified hip and thigh, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S81.001A	Unspecified open wound, right knee, initial encounter	ICD-10-CM	Diagnosis
S81.002A	Unspecified open wound, left knee, initial encounter	ICD-10-CM	Diagnosis
S81.009A	Unspecified open wound, unspecified knee, initial encounter	ICD-10-CM	Diagnosis
S81.011A	Laceration without foreign body, right knee, initial encounter	ICD-10-CM	Diagnosis
S81.012A	Laceration without foreign body, left knee, initial encounter	ICD-10-CM	Diagnosis
S81.019A	Laceration without foreign body, unspecified knee, initial encounter	ICD-10-CM	Diagnosis
S81.021A	Laceration with foreign body, right knee, initial encounter	ICD-10-CM	Diagnosis
S81.022A	Laceration with foreign body, left knee, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S81.029A	Laceration with foreign body, unspecified knee, initial encounter	ICD-10-CM	Diagnosis
S81.031A	Puncture wound without foreign body, right knee, initial encounter	ICD-10-CM	Diagnosis
S81.032A	Puncture wound without foreign body, left knee, initial encounter	ICD-10-CM	Diagnosis
S81.039A	Puncture wound without foreign body, unspecified knee, initial encounter	ICD-10-CM	Diagnosis
S81.041A	Puncture wound with foreign body, right knee, initial encounter	ICD-10-CM	Diagnosis
S81.042A	Puncture wound with foreign body, left knee, initial encounter	ICD-10-CM	Diagnosis
S81.049A	Puncture wound with foreign body, unspecified knee, initial encounter	ICD-10-CM	Diagnosis
S81.051A	Open bite, right knee, initial encounter	ICD-10-CM	Diagnosis
S81.052A	Open bite, left knee, initial encounter	ICD-10-CM	Diagnosis
S81.059A	Open bite, unspecified knee, initial encounter	ICD-10-CM	Diagnosis
S81.801A	Unspecified open wound, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.802A	Unspecified open wound, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.809A	Unspecified open wound, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.811A	Laceration without foreign body, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.812A	Laceration without foreign body, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.819A	Laceration without foreign body, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.821A	Laceration with foreign body, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.822A	Laceration with foreign body, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.829A	Laceration with foreign body, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.831A	Puncture wound without foreign body, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.832A	Puncture wound without foreign body, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.839A	Puncture wound without foreign body, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.841A	Puncture wound with foreign body, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.842A	Puncture wound with foreign body, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.849A	Puncture wound with foreign body, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.851A	Open bite, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.852A	Open bite, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S81.859A	Open bite, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S82.001A	Unspecified fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.001B	Unspecified fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.001C	Unspecified fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.002A	Unspecified fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.002B	Unspecified fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.002C	Unspecified fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.009A	Unspecified fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.009B	Unspecified fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.009C	Unspecified fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.011A	Displaced osteochondral fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.011B	Displaced osteochondral fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.011C	Displaced osteochondral fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.012A	Displaced osteochondral fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.012B	Displaced osteochondral fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.012C	Displaced osteochondral fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.013A	Displaced osteochondral fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.013B	Displaced osteochondral fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.013C	Displaced osteochondral fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.014A	Nondisplaced osteochondral fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.014B	Nondisplaced osteochondral fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.014C	Nondisplaced osteochondral fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.015A	Nondisplaced osteochondral fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.015B	Nondisplaced osteochondral fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.015C	Nondisplaced osteochondral fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.016A	Nondisplaced osteochondral fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.016B	Nondisplaced osteochondral fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.016C	Nondisplaced osteochondral fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.021A	Displaced longitudinal fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.021B	Displaced longitudinal fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.021C	Displaced longitudinal fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.022A	Displaced longitudinal fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.022B	Displaced longitudinal fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.022C	Displaced longitudinal fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.023A	Displaced longitudinal fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.023B	Displaced longitudinal fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.023C	Displaced longitudinal fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.024A	Nondisplaced longitudinal fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.024B	Nondisplaced longitudinal fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.024C	Nondisplaced longitudinal fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.025A	Nondisplaced longitudinal fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.025B	Nondisplaced longitudinal fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.025C	Nondisplaced longitudinal fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.026A	Nondisplaced longitudinal fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.026B	Nondisplaced longitudinal fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.026C	Nondisplaced longitudinal fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.031A	Displaced transverse fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.031B	Displaced transverse fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.031C	Displaced transverse fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.032A	Displaced transverse fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.032B	Displaced transverse fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.032C	Displaced transverse fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.033A	Displaced transverse fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.033B	Displaced transverse fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.033C	Displaced transverse fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.034A	Nondisplaced transverse fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.034B	Nondisplaced transverse fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.034C	Nondisplaced transverse fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.035A	Nondisplaced transverse fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.035B	Nondisplaced transverse fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.035C	Nondisplaced transverse fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.036A	Nondisplaced transverse fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.036B	Nondisplaced transverse fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.036C	Nondisplaced transverse fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.041A	Displaced comminuted fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.041B	Displaced comminuted fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.041C	Displaced comminuted fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.042A	Displaced comminuted fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.042B	Displaced comminuted fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.042C	Displaced comminuted fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.043A	Displaced comminuted fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.043B	Displaced comminuted fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.043C	Displaced comminuted fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.044A	Nondisplaced comminuted fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.044B	Nondisplaced comminuted fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.044C	Nondisplaced comminuted fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.045A	Nondisplaced comminuted fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.045B	Nondisplaced comminuted fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.045C	Nondisplaced comminuted fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.046A	Nondisplaced comminuted fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.046B	Nondisplaced comminuted fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.046C	Nondisplaced comminuted fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.091A	Other fracture of right patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.091B	Other fracture of right patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.091C	Other fracture of right patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.092A	Other fracture of left patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.092B	Other fracture of left patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.092C	Other fracture of left patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.099A	Other fracture of unspecified patella, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.099B	Other fracture of unspecified patella, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.099C	Other fracture of unspecified patella, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.101A	Unspecified fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.101B	Unspecified fracture of upper end of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.101C	Unspecified fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.102A	Unspecified fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.102B	Unspecified fracture of upper end of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.102C	Unspecified fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.109A	Unspecified fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.109B	Unspecified fracture of upper end of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.109C	Unspecified fracture of upper end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.111A	Displaced fracture of right tibial spine, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.111B	Displaced fracture of right tibial spine, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.111C	Displaced fracture of right tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.112A	Displaced fracture of left tibial spine, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.112B	Displaced fracture of left tibial spine, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.112C	Displaced fracture of left tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.113A	Displaced fracture of unspecified tibial spine, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.113B	Displaced fracture of unspecified tibial spine, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.113C	Displaced fracture of unspecified tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.114A	Nondisplaced fracture of right tibial spine, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.114B	Nondisplaced fracture of right tibial spine, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.114C	Nondisplaced fracture of right tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.115A	Nondisplaced fracture of left tibial spine, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.115B	Nondisplaced fracture of left tibial spine, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.115C	Nondisplaced fracture of left tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.116A	Nondisplaced fracture of unspecified tibial spine, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.116B	Nondisplaced fracture of unspecified tibial spine, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.116C	Nondisplaced fracture of unspecified tibial spine, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.121A	Displaced fracture of lateral condyle of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.121B	Displaced fracture of lateral condyle of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.121C	Displaced fracture of lateral condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.122A	Displaced fracture of lateral condyle of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.122B	Displaced fracture of lateral condyle of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.122C	Displaced fracture of lateral condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.123A	Displaced fracture of lateral condyle of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.123B	Displaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.123C	Displaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.124A	Nondisplaced fracture of lateral condyle of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.124B	Nondisplaced fracture of lateral condyle of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.124C	Nondisplaced fracture of lateral condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.125A	Nondisplaced fracture of lateral condyle of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.125B	Nondisplaced fracture of lateral condyle of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.125C	Nondisplaced fracture of lateral condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.126A	Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.126B	Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.126C	Nondisplaced fracture of lateral condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.131A	Displaced fracture of medial condyle of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.131B	Displaced fracture of medial condyle of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.131C	Displaced fracture of medial condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.132A	Displaced fracture of medial condyle of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.132B	Displaced fracture of medial condyle of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.132C	Displaced fracture of medial condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.133A	Displaced fracture of medial condyle of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.133B	Displaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.133C	Displaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.134A	Nondisplaced fracture of medial condyle of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.134B	Nondisplaced fracture of medial condyle of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.134C	Nondisplaced fracture of medial condyle of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.135A	Nondisplaced fracture of medial condyle of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.135B	Nondisplaced fracture of medial condyle of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.135C	Nondisplaced fracture of medial condyle of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.136A	Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.136B	Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.136C	Nondisplaced fracture of medial condyle of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.141A	Displaced bicondylar fracture of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.141B	Displaced bicondylar fracture of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.141C	Displaced bicondylar fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.142A	Displaced bicondylar fracture of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.142B	Displaced bicondylar fracture of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.142C	Displaced bicondylar fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.143A	Displaced bicondylar fracture of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.143B	Displaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.143C	Displaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.144A	Nondisplaced bicondylar fracture of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.144B	Nondisplaced bicondylar fracture of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.144C	Nondisplaced bicondylar fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.145A	Nondisplaced bicondylar fracture of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.145B	Nondisplaced bicondylar fracture of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.145C	Nondisplaced bicondylar fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.146A	Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.146B	Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.146C	Nondisplaced bicondylar fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.151A	Displaced fracture of right tibial tuberosity, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.151B	Displaced fracture of right tibial tuberosity, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.151C	Displaced fracture of right tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.152A	Displaced fracture of left tibial tuberosity, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.152B	Displaced fracture of left tibial tuberosity, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.152C	Displaced fracture of left tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.153A	Displaced fracture of unspecified tibial tuberosity, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.153B	Displaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.153C	Displaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.154A	Nondisplaced fracture of right tibial tuberosity, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.154B	Nondisplaced fracture of right tibial tuberosity, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.154C	Nondisplaced fracture of right tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.155A	Nondisplaced fracture of left tibial tuberosity, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.155B	Nondisplaced fracture of left tibial tuberosity, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.155C	Nondisplaced fracture of left tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.156A	Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.156B	Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.156C	Nondisplaced fracture of unspecified tibial tuberosity, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.161A	Torus fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.162A	Torus fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.169A	Torus fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.191A	Other fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.191B	Other fracture of upper end of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.191C	Other fracture of upper end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.192A	Other fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.192B	Other fracture of upper end of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.192C	Other fracture of upper end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.199A	Other fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.199B	Other fracture of upper end of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.199C	Other fracture of upper end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.201A	Unspecified fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.201B	Unspecified fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.201C	Unspecified fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.202A	Unspecified fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.202B	Unspecified fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.202C	Unspecified fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.209A	Unspecified fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.209B	Unspecified fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.209C	Unspecified fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.221A	Displaced transverse fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.221B	Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.221C	Displaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.222A	Displaced transverse fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.222B	Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.222C	Displaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.223A	Displaced transverse fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.223B	Displaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.223C	Displaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.224A	Nondisplaced transverse fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.224B	Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.224C	Nondisplaced transverse fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.225A	Nondisplaced transverse fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.225B	Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.225C	Nondisplaced transverse fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.226A	Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.226B	Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.226C	Nondisplaced transverse fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.231A	Displaced oblique fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.231B	Displaced oblique fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

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

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

Code	Description	Code Type	Code Category
S82.242C	Displaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.243A	Displaced spiral fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.243B	Displaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.243C	Displaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.244A	Nondisplaced spiral fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.244B	Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.244C	Nondisplaced spiral fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.245A	Nondisplaced spiral fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.245B	Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.245C	Nondisplaced spiral fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.246A	Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.246B	Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.246C	Nondisplaced spiral fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.251A	Displaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.251B	Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.251C	Displaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.252A	Displaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.252B	Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.252C	Displaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.253A	Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.253B	Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.253C	Displaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.254A	Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.254B	Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.254C	Nondisplaced comminuted fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.255A	Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.255B	Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.255C	Nondisplaced comminuted fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.256A	Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.256B	Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.256C	Nondisplaced comminuted fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.261A	Displaced segmental fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.261B	Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.261C	Displaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.262A	Displaced segmental fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.262B	Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.262C	Displaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.263A	Displaced segmental fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.263B	Displaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.263C	Displaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.264A	Nondisplaced segmental fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.264B	Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.264C	Nondisplaced segmental fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.265A	Nondisplaced segmental fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.265B	Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.265C	Nondisplaced segmental fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.266A	Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.266B	Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.266C	Nondisplaced segmental fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.291A	Other fracture of shaft of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.291B	Other fracture of shaft of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.291C	Other fracture of shaft of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.292A	Other fracture of shaft of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.292B	Other fracture of shaft of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.292C	Other fracture of shaft of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.299A	Other fracture of shaft of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.299B	Other fracture of shaft of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.299C	Other fracture of shaft of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.301A	Unspecified fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.301B	Unspecified fracture of lower end of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.301C	Unspecified fracture of lower end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.302A	Unspecified fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.302B	Unspecified fracture of lower end of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.302C	Unspecified fracture of lower end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.309A	Unspecified fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.309B	Unspecified fracture of lower end of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.309C	Unspecified fracture of lower end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.311A	Torus fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.312A	Torus fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.319A	Torus fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.391A	Other fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.391B	Other fracture of lower end of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.391C	Other fracture of lower end of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.392A	Other fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.392B	Other fracture of lower end of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.392C	Other fracture of lower end of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.399A	Other fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.399B	Other fracture of lower end of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.399C	Other fracture of lower end of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.401A	Unspecified fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.401B	Unspecified fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.401C	Unspecified fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.402A	Unspecified fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.402B	Unspecified fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.402C	Unspecified fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.409A	Unspecified fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.409B	Unspecified fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.409C	Unspecified fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.421A	Displaced transverse fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.421B	Displaced transverse fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.421C	Displaced transverse fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.422A	Displaced transverse fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.422B	Displaced transverse fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.422C	Displaced transverse fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.423A	Displaced transverse fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.423B	Displaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.423C	Displaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.424A	Nondisplaced transverse fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.424B	Nondisplaced transverse fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.424C	Nondisplaced transverse fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.425A	Nondisplaced transverse fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.425B	Nondisplaced transverse fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.425C	Nondisplaced transverse fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.426A	Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.426B	Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.426C	Nondisplaced transverse fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.431A	Displaced oblique fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.431B	Displaced oblique fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.431C	Displaced oblique fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.432A	Displaced oblique fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.432B	Displaced oblique fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.432C	Displaced oblique fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.433A	Displaced oblique fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.433B	Displaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.433C	Displaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.434A	Nondisplaced oblique fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.434B	Nondisplaced oblique fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.434C	Nondisplaced oblique fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.435A	Nondisplaced oblique fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.435B	Nondisplaced oblique fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.435C	Nondisplaced oblique fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.436A	Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.436B	Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.436C	Nondisplaced oblique fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.441A	Displaced spiral fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.441B	Displaced spiral fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.441C	Displaced spiral fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.442A	Displaced spiral fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.442B	Displaced spiral fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.442C	Displaced spiral fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.443A	Displaced spiral fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.443B	Displaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.443C	Displaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.444A	Nondisplaced spiral fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.444B	Nondisplaced spiral fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.444C	Nondisplaced spiral fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.445A	Nondisplaced spiral fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.445B	Nondisplaced spiral fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.445C	Nondisplaced spiral fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.446A	Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.446B	Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.446C	Nondisplaced spiral fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.451A	Displaced comminuted fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.451B	Displaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.451C	Displaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.452A	Displaced comminuted fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.452B	Displaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.452C	Displaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.453A	Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.453B	Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.453C	Displaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.454A	Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.454B	Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.454C	Nondisplaced comminuted fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.455A	Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.455B	Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.455C	Nondisplaced comminuted fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.456A	Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.456B	Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.456C	Nondisplaced comminuted fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.461A	Displaced segmental fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.461B	Displaced segmental fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.461C	Displaced segmental fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.462A	Displaced segmental fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.462B	Displaced segmental fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.462C	Displaced segmental fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.463A	Displaced segmental fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.463B	Displaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.463C	Displaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.464A	Nondisplaced segmental fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.464B	Nondisplaced segmental fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.464C	Nondisplaced segmental fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.465A	Nondisplaced segmental fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.465B	Nondisplaced segmental fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.465C	Nondisplaced segmental fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.466A	Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.466B	Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.466C	Nondisplaced segmental fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.491A	Other fracture of shaft of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.491B	Other fracture of shaft of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.491C	Other fracture of shaft of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.492A	Other fracture of shaft of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.492B	Other fracture of shaft of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.492C	Other fracture of shaft of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.499A	Other fracture of shaft of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.499B	Other fracture of shaft of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.499C	Other fracture of shaft of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.51XA	Displaced fracture of medial malleolus of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.51XB	Displaced fracture of medial malleolus of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.51XC	Displaced fracture of medial malleolus of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.52XA	Displaced fracture of medial malleolus of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.52XB	Displaced fracture of medial malleolus of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.52XC	Displaced fracture of medial malleolus of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.53XA	Displaced fracture of medial malleolus of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.53XB	Displaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.53XC	Displaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.54XA	Nondisplaced fracture of medial malleolus of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.54XB	Nondisplaced fracture of medial malleolus of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.54XC	Nondisplaced fracture of medial malleolus of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.55XA	Nondisplaced fracture of medial malleolus of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.55XB	Nondisplaced fracture of medial malleolus of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.55XC	Nondisplaced fracture of medial malleolus of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.56XA	Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.56XB	Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.56XC	Nondisplaced fracture of medial malleolus of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.61XA	Displaced fracture of lateral malleolus of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.61XB	Displaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.61XC	Displaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.62XA	Displaced fracture of lateral malleolus of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.62XB	Displaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.62XC	Displaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.63XA	Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.63XB	Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.63XC	Displaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.64XA	Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.64XB	Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.64XC	Nondisplaced fracture of lateral malleolus of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.65XA	Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.65XB	Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.65XC	Nondisplaced fracture of lateral malleolus of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.66XA	Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.66XB	Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.66XC	Nondisplaced fracture of lateral malleolus of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.811A	Torus fracture of upper end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.812A	Torus fracture of upper end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.819A	Torus fracture of upper end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.821A	Torus fracture of lower end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.822A	Torus fracture of lower end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.829A	Torus fracture of lower end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.831A	Other fracture of upper and lower end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.831B	Other fracture of upper and lower end of right fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.831C	Other fracture of upper and lower end of right fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.832A	Other fracture of upper and lower end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.832B	Other fracture of upper and lower end of left fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.832C	Other fracture of upper and lower end of left fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.839A	Other fracture of upper and lower end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.839B	Other fracture of upper and lower end of unspecified fibula, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.839C	Other fracture of upper and lower end of unspecified fibula, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.841A	Displaced bimalleolar fracture of right lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.841B	Displaced bimalleolar fracture of right lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.841C	Displaced bimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.842A	Displaced bimalleolar fracture of left lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.842B	Displaced bimalleolar fracture of left lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.842C	Displaced bimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.843A	Displaced bimalleolar fracture of unspecified lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.843B	Displaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.843C	Displaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.844A	Nondisplaced bimalleolar fracture of right lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.844B	Nondisplaced bimalleolar fracture of right lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.844C	Nondisplaced bimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.845A	Nondisplaced bimalleolar fracture of left lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.845B	Nondisplaced bimalleolar fracture of left lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.845C	Nondisplaced bimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.846A	Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.846B	Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.846C	Nondisplaced bimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.851A	Displaced trimalleolar fracture of right lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.851B	Displaced trimalleolar fracture of right lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.851C	Displaced trimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.852A	Displaced trimalleolar fracture of left lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.852B	Displaced trimalleolar fracture of left lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.852C	Displaced trimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.853A	Displaced trimalleolar fracture of unspecified lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.853B	Displaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.853C	Displaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.854A	Nondisplaced trimalleolar fracture of right lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.854B	Nondisplaced trimalleolar fracture of right lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.854C	Nondisplaced trimalleolar fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.855A	Nondisplaced trimalleolar fracture of left lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.855B	Nondisplaced trimalleolar fracture of left lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.855C	Nondisplaced trimalleolar fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.856A	Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.856B	Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.856C	Nondisplaced trimalleolar fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.861A	Displaced Maisonneuve's fracture of right leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.861B	Displaced Maisonneuve's fracture of right leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.861C	Displaced Maisonneuve's fracture of right leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.862A	Displaced Maisonneuve's fracture of left leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.862B	Displaced Maisonneuve's fracture of left leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.862C	Displaced Maisonneuve's fracture of left leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.863A	Displaced Maisonneuve's fracture of unspecified leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.863B	Displaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.863C	Displaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.864A	Nondisplaced Maisonneuve's fracture of right leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.864B	Nondisplaced Maisonneuve's fracture of right leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.864C	Nondisplaced Maisonneuve's fracture of right leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.865A	Nondisplaced Maisonneuve's fracture of left leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.865B	Nondisplaced Maisonneuve's fracture of left leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.865C	Nondisplaced Maisonneuve's fracture of left leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.866A	Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.866B	Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.866C	Nondisplaced Maisonneuve's fracture of unspecified leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.871A	Displaced pilon fracture of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.871B	Displaced pilon fracture of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.871C	Displaced pilon fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.872A	Displaced pilon fracture of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.872B	Displaced pilon fracture of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.872C	Displaced pilon fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.873A	Displaced pilon fracture of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.873B	Displaced pilon fracture of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.873C	Displaced pilon fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.874A	Nondisplaced pilon fracture of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.874B	Nondisplaced pilon fracture of right tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.874C	Nondisplaced pilon fracture of right tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.875A	Nondisplaced pilon fracture of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.875B	Nondisplaced pilon fracture of left tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S82.875C	Nondisplaced pilon fracture of left tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.876A	Nondisplaced pilon fracture of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.876B	Nondisplaced pilon fracture of unspecified tibia, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.876C	Nondisplaced pilon fracture of unspecified tibia, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.891A	Other fracture of right lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.891B	Other fracture of right lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.891C	Other fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.892A	Other fracture of left lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.892B	Other fracture of left lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.892C	Other fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.899A	Other fracture of unspecified lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.899B	Other fracture of unspecified lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.899C	Other fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.90XA	Unspecified fracture of unspecified lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.90XB	Unspecified fracture of unspecified lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.90XC	Unspecified fracture of unspecified lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.91XA	Unspecified fracture of right lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.91XB	Unspecified fracture of right lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.91XC	Unspecified fracture of right lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S82.92XA	Unspecified fracture of left lower leg, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S82.92XB	Unspecified fracture of left lower leg, initial encounter for open fracture type I or II	ICD-10-CM	Diagnosis
S82.92XC	Unspecified fracture of left lower leg, initial encounter for open fracture type IIIA, IIIB, or IIIC	ICD-10-CM	Diagnosis
S86.021A	Laceration of right Achilles tendon, initial encounter	ICD-10-CM	Diagnosis
S86.022A	Laceration of left Achilles tendon, initial encounter	ICD-10-CM	Diagnosis
S86.029A	Laceration of unspecified Achilles tendon, initial encounter	ICD-10-CM	Diagnosis
S86.121A	Laceration of other muscle(s) and tendon(s) of posterior muscle group at lower leg level, right leg, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S86.122A	Laceration of other muscle(s) and tendon(s) of posterior muscle group at lower leg level, left leg, initial encounter	ICD-10-CM	Diagnosis
S86.129A	Laceration of other muscle(s) and tendon(s) of posterior muscle group at lower leg level, unspecified leg, initial encounter	ICD-10-CM	Diagnosis
S86.221A	Laceration of muscle(s) and tendon(s) of anterior muscle group at lower leg level, right leg, initial encounter	ICD-10-CM	Diagnosis
S86.222A	Laceration of muscle(s) and tendon(s) of anterior muscle group at lower leg level, left leg, initial encounter	ICD-10-CM	Diagnosis
S86.229A	Laceration of muscle(s) and tendon(s) of anterior muscle group at lower leg level, unspecified leg, initial encounter	ICD-10-CM	Diagnosis
S86.321A	Laceration of muscle(s) and tendon(s) of peroneal muscle group at lower leg level, right leg, initial encounter	ICD-10-CM	Diagnosis
S86.322A	Laceration of muscle(s) and tendon(s) of peroneal muscle group at lower leg level, left leg, initial encounter	ICD-10-CM	Diagnosis
S86.329A	Laceration of muscle(s) and tendon(s) of peroneal muscle group at lower leg level, unspecified leg, initial encounter	ICD-10-CM	Diagnosis
S86.821A	Laceration of other muscle(s) and tendon(s) at lower leg level, right leg, initial encounter	ICD-10-CM	Diagnosis
S86.822A	Laceration of other muscle(s) and tendon(s) at lower leg level, left leg, initial encounter	ICD-10-CM	Diagnosis
S86.829A	Laceration of other muscle(s) and tendon(s) at lower leg level, unspecified leg, initial encounter	ICD-10-CM	Diagnosis
S86.921A	Laceration of unspecified muscle(s) and tendon(s) at lower leg level, right leg, initial encounter	ICD-10-CM	Diagnosis
S86.922A	Laceration of unspecified muscle(s) and tendon(s) at lower leg level, left leg, initial encounter	ICD-10-CM	Diagnosis
S86.929A	Laceration of unspecified muscle(s) and tendon(s) at lower leg level, unspecified leg, initial encounter	ICD-10-CM	Diagnosis
S88.011A	Complete traumatic amputation at knee level, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.012A	Complete traumatic amputation at knee level, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.019A	Complete traumatic amputation at knee level, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.021A	Partial traumatic amputation at knee level, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.022A	Partial traumatic amputation at knee level, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.029A	Partial traumatic amputation at knee level, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.111A	Complete traumatic amputation at level between knee and ankle, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.112A	Complete traumatic amputation at level between knee and ankle, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.119A	Complete traumatic amputation at level between knee and ankle, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S88.121A	Partial traumatic amputation at level between knee and ankle, right lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.122A	Partial traumatic amputation at level between knee and ankle, left lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.129A	Partial traumatic amputation at level between knee and ankle, unspecified lower leg, initial encounter	ICD-10-CM	Diagnosis
S88.911A	Complete traumatic amputation of right lower leg, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S88.912A	Complete traumatic amputation of left lower leg, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S88.919A	Complete traumatic amputation of unspecified lower leg, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S88.921A	Partial traumatic amputation of right lower leg, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S88.922A	Partial traumatic amputation of left lower leg, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S88.929A	Partial traumatic amputation of unspecified lower leg, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S89.001A	Unspecified physeal fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.002A	Unspecified physeal fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.009A	Unspecified physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.011A	Salter-Harris Type I physeal fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.012A	Salter-Harris Type I physeal fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.019A	Salter-Harris Type I physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.021A	Salter-Harris Type II physeal fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.022A	Salter-Harris Type II physeal fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.029A	Salter-Harris Type II physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.031A	Salter-Harris Type III physeal fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.032A	Salter-Harris Type III physeal fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.039A	Salter-Harris Type III physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S89.041A	Salter-Harris Type IV physeal fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.042A	Salter-Harris Type IV physeal fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.049A	Salter-Harris Type IV physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.091A	Other physeal fracture of upper end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.092A	Other physeal fracture of upper end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.099A	Other physeal fracture of upper end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.101A	Unspecified physeal fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.102A	Unspecified physeal fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.109A	Unspecified physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.111A	Salter-Harris Type I physeal fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.112A	Salter-Harris Type I physeal fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.119A	Salter-Harris Type I physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.121A	Salter-Harris Type II physeal fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.122A	Salter-Harris Type II physeal fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.129A	Salter-Harris Type II physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.131A	Salter-Harris Type III physeal fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.132A	Salter-Harris Type III physeal fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.139A	Salter-Harris Type III physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.141A	Salter-Harris Type IV physeal fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.142A	Salter-Harris Type IV physeal fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.149A	Salter-Harris Type IV physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S89.191A	Other physeal fracture of lower end of right tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.192A	Other physeal fracture of lower end of left tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.199A	Other physeal fracture of lower end of unspecified tibia, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.201A	Unspecified physeal fracture of upper end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.202A	Unspecified physeal fracture of upper end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.209A	Unspecified physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.211A	Salter-Harris Type I physeal fracture of upper end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.212A	Salter-Harris Type I physeal fracture of upper end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.219A	Salter-Harris Type I physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.221A	Salter-Harris Type II physeal fracture of upper end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.222A	Salter-Harris Type II physeal fracture of upper end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.229A	Salter-Harris Type II physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.291A	Other physeal fracture of upper end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.292A	Other physeal fracture of upper end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.299A	Other physeal fracture of upper end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.301A	Unspecified physeal fracture of lower end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.302A	Unspecified physeal fracture of lower end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.309A	Unspecified physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.311A	Salter-Harris Type I physeal fracture of lower end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.312A	Salter-Harris Type I physeal fracture of lower end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.319A	Salter-Harris Type I physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S89.321A	Salter-Harris Type II physeal fracture of lower end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.322A	Salter-Harris Type II physeal fracture of lower end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.329A	Salter-Harris Type II physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.391A	Other physeal fracture of lower end of right fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.392A	Other physeal fracture of lower end of left fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S89.399A	Other physeal fracture of lower end of unspecified fibula, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S91.001A	Unspecified open wound, right ankle, initial encounter	ICD-10-CM	Diagnosis
S91.002A	Unspecified open wound, left ankle, initial encounter	ICD-10-CM	Diagnosis
S91.009A	Unspecified open wound, unspecified ankle, initial encounter	ICD-10-CM	Diagnosis
S91.011A	Laceration without foreign body, right ankle, initial encounter	ICD-10-CM	Diagnosis
S91.012A	Laceration without foreign body, left ankle, initial encounter	ICD-10-CM	Diagnosis
S91.019A	Laceration without foreign body, unspecified ankle, initial encounter	ICD-10-CM	Diagnosis
S91.021A	Laceration with foreign body, right ankle, initial encounter	ICD-10-CM	Diagnosis
S91.022A	Laceration with foreign body, left ankle, initial encounter	ICD-10-CM	Diagnosis
S91.029A	Laceration with foreign body, unspecified ankle, initial encounter	ICD-10-CM	Diagnosis
S91.031A	Puncture wound without foreign body, right ankle, initial encounter	ICD-10-CM	Diagnosis
S91.032A	Puncture wound without foreign body, left ankle, initial encounter	ICD-10-CM	Diagnosis
S91.039A	Puncture wound without foreign body, unspecified ankle, initial encounter	ICD-10-CM	Diagnosis
S91.041A	Puncture wound with foreign body, right ankle, initial encounter	ICD-10-CM	Diagnosis
S91.042A	Puncture wound with foreign body, left ankle, initial encounter	ICD-10-CM	Diagnosis
S91.049A	Puncture wound with foreign body, unspecified ankle, initial encounter	ICD-10-CM	Diagnosis
S91.051A	Open bite, right ankle, initial encounter	ICD-10-CM	Diagnosis
S91.052A	Open bite, left ankle, initial encounter	ICD-10-CM	Diagnosis
S91.059A	Open bite, unspecified ankle, initial encounter	ICD-10-CM	Diagnosis
S91.101A	Unspecified open wound of right great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.102A	Unspecified open wound of left great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.103A	Unspecified open wound of unspecified great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.104A	Unspecified open wound of right lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.105A	Unspecified open wound of left lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.106A	Unspecified open wound of unspecified lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S91.109A	Unspecified open wound of unspecified toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.111A	Laceration without foreign body of right great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.112A	Laceration without foreign body of left great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.113A	Laceration without foreign body of unspecified great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.114A	Laceration without foreign body of right lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.115A	Laceration without foreign body of left lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.116A	Laceration without foreign body of unspecified lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.119A	Laceration without foreign body of unspecified toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.121A	Laceration with foreign body of right great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.122A	Laceration with foreign body of left great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.123A	Laceration with foreign body of unspecified great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.124A	Laceration with foreign body of right lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.125A	Laceration with foreign body of left lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.126A	Laceration with foreign body of unspecified lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.129A	Laceration with foreign body of unspecified toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.131A	Puncture wound without foreign body of right great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.132A	Puncture wound without foreign body of left great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.133A	Puncture wound without foreign body of unspecified great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.134A	Puncture wound without foreign body of right lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.135A	Puncture wound without foreign body of left lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.136A	Puncture wound without foreign body of unspecified lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S91.139A	Puncture wound without foreign body of unspecified toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.141A	Puncture wound with foreign body of right great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.142A	Puncture wound with foreign body of left great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.143A	Puncture wound with foreign body of unspecified great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.144A	Puncture wound with foreign body of right lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.145A	Puncture wound with foreign body of left lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.146A	Puncture wound with foreign body of unspecified lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.149A	Puncture wound with foreign body of unspecified toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.151A	Open bite of right great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.152A	Open bite of left great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.153A	Open bite of unspecified great toe without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.154A	Open bite of right lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.155A	Open bite of left lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.156A	Open bite of unspecified lesser toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.159A	Open bite of unspecified toe(s) without damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.201A	Unspecified open wound of right great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.202A	Unspecified open wound of left great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.203A	Unspecified open wound of unspecified great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.204A	Unspecified open wound of right lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.205A	Unspecified open wound of left lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.206A	Unspecified open wound of unspecified lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.209A	Unspecified open wound of unspecified toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.211A	Laceration without foreign body of right great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.212A	Laceration without foreign body of left great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.213A	Laceration without foreign body of unspecified great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S91.214A	Laceration without foreign body of right lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.215A	Laceration without foreign body of left lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.216A	Laceration without foreign body of unspecified lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.219A	Laceration without foreign body of unspecified toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.221A	Laceration with foreign body of right great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.222A	Laceration with foreign body of left great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.223A	Laceration with foreign body of unspecified great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.224A	Laceration with foreign body of right lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.225A	Laceration with foreign body of left lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.226A	Laceration with foreign body of unspecified lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.229A	Laceration with foreign body of unspecified toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.231A	Puncture wound without foreign body of right great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.232A	Puncture wound without foreign body of left great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.233A	Puncture wound without foreign body of unspecified great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.234A	Puncture wound without foreign body of right lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.235A	Puncture wound without foreign body of left lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.236A	Puncture wound without foreign body of unspecified lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.239A	Puncture wound without foreign body of unspecified toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.241A	Puncture wound with foreign body of right great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.242A	Puncture wound with foreign body of left great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.243A	Puncture wound with foreign body of unspecified great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S91.244A	Puncture wound with foreign body of right lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.245A	Puncture wound with foreign body of left lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.246A	Puncture wound with foreign body of unspecified lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.249A	Puncture wound with foreign body of unspecified toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.251A	Open bite of right great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.252A	Open bite of left great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.253A	Open bite of unspecified great toe with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.254A	Open bite of right lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.255A	Open bite of left lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.256A	Open bite of unspecified lesser toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.259A	Open bite of unspecified toe(s) with damage to nail, initial encounter	ICD-10-CM	Diagnosis
S91.301A	Unspecified open wound, right foot, initial encounter	ICD-10-CM	Diagnosis
S91.302A	Unspecified open wound, left foot, initial encounter	ICD-10-CM	Diagnosis
S91.309A	Unspecified open wound, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S91.311A	Laceration without foreign body, right foot, initial encounter	ICD-10-CM	Diagnosis
S91.312A	Laceration without foreign body, left foot, initial encounter	ICD-10-CM	Diagnosis
S91.319A	Laceration without foreign body, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S91.321A	Laceration with foreign body, right foot, initial encounter	ICD-10-CM	Diagnosis
S91.322A	Laceration with foreign body, left foot, initial encounter	ICD-10-CM	Diagnosis
S91.329A	Laceration with foreign body, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S91.331A	Puncture wound without foreign body, right foot, initial encounter	ICD-10-CM	Diagnosis
S91.332A	Puncture wound without foreign body, left foot, initial encounter	ICD-10-CM	Diagnosis
S91.339A	Puncture wound without foreign body, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S91.341A	Puncture wound with foreign body, right foot, initial encounter	ICD-10-CM	Diagnosis
S91.342A	Puncture wound with foreign body, left foot, initial encounter	ICD-10-CM	Diagnosis
S91.349A	Puncture wound with foreign body, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S91.351A	Open bite, right foot, initial encounter	ICD-10-CM	Diagnosis
S91.352A	Open bite, left foot, initial encounter	ICD-10-CM	Diagnosis
S91.359A	Open bite, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S92.001A	Unspecified fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.001B	Unspecified fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.002A	Unspecified fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.002B	Unspecified fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.009A	Unspecified fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.009B	Unspecified fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.011A	Displaced fracture of body of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.011B	Displaced fracture of body of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.012A	Displaced fracture of body of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.012B	Displaced fracture of body of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.013A	Displaced fracture of body of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.013B	Displaced fracture of body of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.014A	Nondisplaced fracture of body of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.014B	Nondisplaced fracture of body of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.015A	Nondisplaced fracture of body of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.015B	Nondisplaced fracture of body of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.016A	Nondisplaced fracture of body of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.016B	Nondisplaced fracture of body of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.021A	Displaced fracture of anterior process of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.021B	Displaced fracture of anterior process of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.022A	Displaced fracture of anterior process of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.022B	Displaced fracture of anterior process of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.023A	Displaced fracture of anterior process of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.023B	Displaced fracture of anterior process of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.024A	Nondisplaced fracture of anterior process of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.024B	Nondisplaced fracture of anterior process of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.025A	Nondisplaced fracture of anterior process of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.025B	Nondisplaced fracture of anterior process of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.026A	Nondisplaced fracture of anterior process of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.026B	Nondisplaced fracture of anterior process of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.031A	Displaced avulsion fracture of tuberosity of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.031B	Displaced avulsion fracture of tuberosity of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.032A	Displaced avulsion fracture of tuberosity of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.032B	Displaced avulsion fracture of tuberosity of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.033A	Displaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.033B	Displaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.034A	Nondisplaced avulsion fracture of tuberosity of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.034B	Nondisplaced avulsion fracture of tuberosity of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.035A	Nondisplaced avulsion fracture of tuberosity of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.035B	Nondisplaced avulsion fracture of tuberosity of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.036A	Nondisplaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.036B	Nondisplaced avulsion fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.041A	Displaced other fracture of tuberosity of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.041B	Displaced other fracture of tuberosity of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.042A	Displaced other fracture of tuberosity of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.042B	Displaced other fracture of tuberosity of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.043A	Displaced other fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.043B	Displaced other fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.044A	Nondisplaced other fracture of tuberosity of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.044B	Nondisplaced other fracture of tuberosity of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.045A	Nondisplaced other fracture of tuberosity of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.045B	Nondisplaced other fracture of tuberosity of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.046A	Nondisplaced other fracture of tuberosity of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.046B	Nondisplaced other fracture of tuberosity of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.051A	Displaced other extraarticular fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.051B	Displaced other extraarticular fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.052A	Displaced other extraarticular fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.052B	Displaced other extraarticular fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.053A	Displaced other extraarticular fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.053B	Displaced other extraarticular fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.054A	Nondisplaced other extraarticular fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.054B	Nondisplaced other extraarticular fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.055A	Nondisplaced other extraarticular fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.055B	Nondisplaced other extraarticular fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.056A	Nondisplaced other extraarticular fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.056B	Nondisplaced other extraarticular fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.061A	Displaced intraarticular fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.061B	Displaced intraarticular fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.062A	Displaced intraarticular fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.062B	Displaced intraarticular fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.063A	Displaced intraarticular fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.063B	Displaced intraarticular fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.064A	Nondisplaced intraarticular fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.064B	Nondisplaced intraarticular fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.065A	Nondisplaced intraarticular fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.065B	Nondisplaced intraarticular fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.066A	Nondisplaced intraarticular fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.066B	Nondisplaced intraarticular fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.101A	Unspecified fracture of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.101B	Unspecified fracture of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.102A	Unspecified fracture of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.102B	Unspecified fracture of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.109A	Unspecified fracture of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.109B	Unspecified fracture of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.111A	Displaced fracture of neck of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.111B	Displaced fracture of neck of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.112A	Displaced fracture of neck of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.112B	Displaced fracture of neck of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.113A	Displaced fracture of neck of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.113B	Displaced fracture of neck of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.114A	Nondisplaced fracture of neck of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.114B	Nondisplaced fracture of neck of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.115A	Nondisplaced fracture of neck of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.115B	Nondisplaced fracture of neck of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.116A	Nondisplaced fracture of neck of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.116B	Nondisplaced fracture of neck of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.121A	Displaced fracture of body of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.121B	Displaced fracture of body of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.122A	Displaced fracture of body of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.122B	Displaced fracture of body of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.123A	Displaced fracture of body of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.123B	Displaced fracture of body of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.124A	Nondisplaced fracture of body of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.124B	Nondisplaced fracture of body of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.125A	Nondisplaced fracture of body of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.125B	Nondisplaced fracture of body of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.126A	Nondisplaced fracture of body of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.126B	Nondisplaced fracture of body of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.131A	Displaced fracture of posterior process of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.131B	Displaced fracture of posterior process of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.132A	Displaced fracture of posterior process of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.132B	Displaced fracture of posterior process of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.133A	Displaced fracture of posterior process of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.133B	Displaced fracture of posterior process of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.134A	Nondisplaced fracture of posterior process of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.134B	Nondisplaced fracture of posterior process of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.135A	Nondisplaced fracture of posterior process of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.135B	Nondisplaced fracture of posterior process of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.136A	Nondisplaced fracture of posterior process of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.136B	Nondisplaced fracture of posterior process of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.141A	Displaced dome fracture of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.141B	Displaced dome fracture of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.142A	Displaced dome fracture of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.142B	Displaced dome fracture of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.143A	Displaced dome fracture of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.143B	Displaced dome fracture of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.144A	Nondisplaced dome fracture of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.144B	Nondisplaced dome fracture of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.145A	Nondisplaced dome fracture of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.145B	Nondisplaced dome fracture of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.146A	Nondisplaced dome fracture of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.146B	Nondisplaced dome fracture of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.151A	Displaced avulsion fracture (chip fracture) of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.151B	Displaced avulsion fracture (chip fracture) of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.152A	Displaced avulsion fracture (chip fracture) of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.152B	Displaced avulsion fracture (chip fracture) of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.153A	Displaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.153B	Displaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.154A	Nondisplaced avulsion fracture (chip fracture) of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.154B	Nondisplaced avulsion fracture (chip fracture) of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.155A	Nondisplaced avulsion fracture (chip fracture) of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.155B	Nondisplaced avulsion fracture (chip fracture) of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.156A	Nondisplaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.156B	Nondisplaced avulsion fracture (chip fracture) of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.191A	Other fracture of right talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.191B	Other fracture of right talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.192A	Other fracture of left talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.192B	Other fracture of left talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.199A	Other fracture of unspecified talus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.199B	Other fracture of unspecified talus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.201A	Fracture of unspecified tarsal bone(s) of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.201B	Fracture of unspecified tarsal bone(s) of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.202A	Fracture of unspecified tarsal bone(s) of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.202B	Fracture of unspecified tarsal bone(s) of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

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

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

Code	Description	Code Type	Code Category
S92.225A	Nondisplaced fracture of lateral cuneiform of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.225B	Nondisplaced fracture of lateral cuneiform of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.226A	Nondisplaced fracture of lateral cuneiform of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.226B	Nondisplaced fracture of lateral cuneiform of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.231A	Displaced fracture of intermediate cuneiform of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.231B	Displaced fracture of intermediate cuneiform of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.232A	Displaced fracture of intermediate cuneiform of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.232B	Displaced fracture of intermediate cuneiform of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.233A	Displaced fracture of intermediate cuneiform of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.233B	Displaced fracture of intermediate cuneiform of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.234A	Nondisplaced fracture of intermediate cuneiform of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.234B	Nondisplaced fracture of intermediate cuneiform of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.235A	Nondisplaced fracture of intermediate cuneiform of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.235B	Nondisplaced fracture of intermediate cuneiform of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.236A	Nondisplaced fracture of intermediate cuneiform of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.236B	Nondisplaced fracture of intermediate cuneiform of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.241A	Displaced fracture of medial cuneiform of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.241B	Displaced fracture of medial cuneiform of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.242A	Displaced fracture of medial cuneiform of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.242B	Displaced fracture of medial cuneiform of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.243A	Displaced fracture of medial cuneiform of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.243B	Displaced fracture of medial cuneiform of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.244A	Nondisplaced fracture of medial cuneiform of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.244B	Nondisplaced fracture of medial cuneiform of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.245A	Nondisplaced fracture of medial cuneiform of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.245B	Nondisplaced fracture of medial cuneiform of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.246A	Nondisplaced fracture of medial cuneiform of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.246B	Nondisplaced fracture of medial cuneiform of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.251A	Displaced fracture of navicular [scaphoid] of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.251B	Displaced fracture of navicular [scaphoid] of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.252A	Displaced fracture of navicular [scaphoid] of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.252B	Displaced fracture of navicular [scaphoid] of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.253A	Displaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.253B	Displaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.254A	Nondisplaced fracture of navicular [scaphoid] of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.254B	Nondisplaced fracture of navicular [scaphoid] of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.255A	Nondisplaced fracture of navicular [scaphoid] of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.255B	Nondisplaced fracture of navicular [scaphoid] of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.256A	Nondisplaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.256B	Nondisplaced fracture of navicular [scaphoid] of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.301A	Fracture of unspecified metatarsal bone(s), right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.301B	Fracture of unspecified metatarsal bone(s), right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.302A	Fracture of unspecified metatarsal bone(s), left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.302B	Fracture of unspecified metatarsal bone(s), left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.309A	Fracture of unspecified metatarsal bone(s), unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.309B	Fracture of unspecified metatarsal bone(s), unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.311A	Displaced fracture of first metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.311B	Displaced fracture of first metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.312A	Displaced fracture of first metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.312B	Displaced fracture of first metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.313A	Displaced fracture of first metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.313B	Displaced fracture of first metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.314A	Nondisplaced fracture of first metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.314B	Nondisplaced fracture of first metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.315A	Nondisplaced fracture of first metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.315B	Nondisplaced fracture of first metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.316A	Nondisplaced fracture of first metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.316B	Nondisplaced fracture of first metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.321A	Displaced fracture of second metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.321B	Displaced fracture of second metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.322A	Displaced fracture of second metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.322B	Displaced fracture of second metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.323A	Displaced fracture of second metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.323B	Displaced fracture of second metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.324A	Nondisplaced fracture of second metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.324B	Nondisplaced fracture of second metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.325A	Nondisplaced fracture of second metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.325B	Nondisplaced fracture of second metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.326A	Nondisplaced fracture of second metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.326B	Nondisplaced fracture of second metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.331A	Displaced fracture of third metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.331B	Displaced fracture of third metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.332A	Displaced fracture of third metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.332B	Displaced fracture of third metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.333A	Displaced fracture of third metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.333B	Displaced fracture of third metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.334A	Nondisplaced fracture of third metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.334B	Nondisplaced fracture of third metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.335A	Nondisplaced fracture of third metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.335B	Nondisplaced fracture of third metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.336A	Nondisplaced fracture of third metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.336B	Nondisplaced fracture of third metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.341A	Displaced fracture of fourth metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.341B	Displaced fracture of fourth metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.342A	Displaced fracture of fourth metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.342B	Displaced fracture of fourth metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.343A	Displaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.343B	Displaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.344A	Nondisplaced fracture of fourth metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.344B	Nondisplaced fracture of fourth metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.345A	Nondisplaced fracture of fourth metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.345B	Nondisplaced fracture of fourth metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.346A	Nondisplaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.346B	Nondisplaced fracture of fourth metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.351A	Displaced fracture of fifth metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.351B	Displaced fracture of fifth metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.352A	Displaced fracture of fifth metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.352B	Displaced fracture of fifth metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.353A	Displaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.353B	Displaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.354A	Nondisplaced fracture of fifth metatarsal bone, right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.354B	Nondisplaced fracture of fifth metatarsal bone, right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.355A	Nondisplaced fracture of fifth metatarsal bone, left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.355B	Nondisplaced fracture of fifth metatarsal bone, left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.356A	Nondisplaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.356B	Nondisplaced fracture of fifth metatarsal bone, unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.401A	Displaced unspecified fracture of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.401B	Displaced unspecified fracture of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.402A	Displaced unspecified fracture of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.402B	Displaced unspecified fracture of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.403A	Displaced unspecified fracture of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.403B	Displaced unspecified fracture of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.404A	Nondisplaced unspecified fracture of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.404B	Nondisplaced unspecified fracture of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.405A	Nondisplaced unspecified fracture of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.405B	Nondisplaced unspecified fracture of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.406A	Nondisplaced unspecified fracture of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.406B	Nondisplaced unspecified fracture of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.411A	Displaced fracture of proximal phalanx of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.411B	Displaced fracture of proximal phalanx of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.412A	Displaced fracture of proximal phalanx of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.412B	Displaced fracture of proximal phalanx of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.413A	Displaced fracture of proximal phalanx of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.413B	Displaced fracture of proximal phalanx of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.414A	Nondisplaced fracture of proximal phalanx of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.414B	Nondisplaced fracture of proximal phalanx of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.415A	Nondisplaced fracture of proximal phalanx of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.415B	Nondisplaced fracture of proximal phalanx of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.416A	Nondisplaced fracture of proximal phalanx of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.416B	Nondisplaced fracture of proximal phalanx of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.421A	Displaced fracture of distal phalanx of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.421B	Displaced fracture of distal phalanx of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.422A	Displaced fracture of distal phalanx of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.422B	Displaced fracture of distal phalanx of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.423A	Displaced fracture of distal phalanx of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.423B	Displaced fracture of distal phalanx of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.424A	Nondisplaced fracture of distal phalanx of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.424B	Nondisplaced fracture of distal phalanx of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.425A	Nondisplaced fracture of distal phalanx of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.425B	Nondisplaced fracture of distal phalanx of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.426A	Nondisplaced fracture of distal phalanx of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.426B	Nondisplaced fracture of distal phalanx of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.491A	Other fracture of right great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.491B	Other fracture of right great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.492A	Other fracture of left great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.492B	Other fracture of left great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.499A	Other fracture of unspecified great toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.499B	Other fracture of unspecified great toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.501A	Displaced unspecified fracture of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.501B	Displaced unspecified fracture of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.502A	Displaced unspecified fracture of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.502B	Displaced unspecified fracture of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.503A	Displaced unspecified fracture of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.503B	Displaced unspecified fracture of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.504A	Nondisplaced unspecified fracture of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.504B	Nondisplaced unspecified fracture of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.505A	Nondisplaced unspecified fracture of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.505B	Nondisplaced unspecified fracture of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.506A	Nondisplaced unspecified fracture of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.506B	Nondisplaced unspecified fracture of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.511A	Displaced fracture of proximal phalanx of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.511B	Displaced fracture of proximal phalanx of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.512A	Displaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.512B	Displaced fracture of proximal phalanx of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.513A	Displaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.513B	Displaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.514A	Nondisplaced fracture of proximal phalanx of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.514B	Nondisplaced fracture of proximal phalanx of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.515A	Nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.515B	Nondisplaced fracture of proximal phalanx of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.516A	Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.516B	Nondisplaced fracture of proximal phalanx of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.521A	Displaced fracture of medial phalanx of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.521B	Displaced fracture of medial phalanx of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.522A	Displaced fracture of medial phalanx of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.522B	Displaced fracture of medial phalanx of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.523A	Displaced fracture of medial phalanx of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.523B	Displaced fracture of medial phalanx of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.524A	Nondisplaced fracture of medial phalanx of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.524B	Nondisplaced fracture of medial phalanx of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.525A	Nondisplaced fracture of medial phalanx of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.525B	Nondisplaced fracture of medial phalanx of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.526A	Nondisplaced fracture of medial phalanx of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.526B	Nondisplaced fracture of medial phalanx of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.531A	Displaced fracture of distal phalanx of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.531B	Displaced fracture of distal phalanx of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.532A	Displaced fracture of distal phalanx of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.532B	Displaced fracture of distal phalanx of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.533A	Displaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.533B	Displaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.534A	Nondisplaced fracture of distal phalanx of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.534B	Nondisplaced fracture of distal phalanx of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S92.535A	Nondisplaced fracture of distal phalanx of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.535B	Nondisplaced fracture of distal phalanx of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.536A	Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.536B	Nondisplaced fracture of distal phalanx of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.591A	Other fracture of right lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.591B	Other fracture of right lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.592A	Other fracture of left lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.592B	Other fracture of left lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.599A	Other fracture of unspecified lesser toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.599B	Other fracture of unspecified lesser toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.811A	Other fracture of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.811B	Other fracture of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.812A	Other fracture of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.812B	Other fracture of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.819A	Other fracture of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.819B	Other fracture of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.901A	Unspecified fracture of right foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.901B	Unspecified fracture of right foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.902A	Unspecified fracture of left foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.902B	Unspecified fracture of left foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.909A	Unspecified fracture of unspecified foot, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.909B	Unspecified fracture of unspecified foot, initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.911A	Unspecified fracture of right toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.911B	Unspecified fracture of right toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.912A	Unspecified fracture of left toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.912B	Unspecified fracture of left toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S92.919A	Unspecified fracture of unspecified toe(s), initial encounter for closed fracture	ICD-10-CM	Diagnosis
S92.919B	Unspecified fracture of unspecified toe(s), initial encounter for open fracture	ICD-10-CM	Diagnosis
S96.021A	Laceration of muscle and tendon of long flexor muscle of toe at ankle and foot level, right foot, initial encounter	ICD-10-CM	Diagnosis
S96.022A	Laceration of muscle and tendon of long flexor muscle of toe at ankle and foot level, left foot, initial encounter	ICD-10-CM	Diagnosis
S96.029A	Laceration of muscle and tendon of long flexor muscle of toe at ankle and foot level, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S96.121A	Laceration of muscle and tendon of long extensor muscle of toe at ankle and foot level, right foot, initial encounter	ICD-10-CM	Diagnosis
S96.122A	Laceration of muscle and tendon of long extensor muscle of toe at ankle and foot level, left foot, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S96.129A	Laceration of muscle and tendon of long extensor muscle of toe at ankle and foot level, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S96.221A	Laceration of intrinsic muscle and tendon at ankle and foot level, right foot, initial encounter	ICD-10-CM	Diagnosis
S96.222A	Laceration of intrinsic muscle and tendon at ankle and foot level, left foot, initial encounter	ICD-10-CM	Diagnosis
S96.229A	Laceration of intrinsic muscle and tendon at ankle and foot level, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S96.821A	Laceration of other specified muscles and tendons at ankle and foot level, right foot, initial encounter	ICD-10-CM	Diagnosis
S96.822A	Laceration of other specified muscles and tendons at ankle and foot level, left foot, initial encounter	ICD-10-CM	Diagnosis
S96.829A	Laceration of other specified muscles and tendons at ankle and foot level, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S96.921A	Laceration of unspecified muscle and tendon at ankle and foot level, right foot, initial encounter	ICD-10-CM	Diagnosis
S96.922A	Laceration of unspecified muscle and tendon at ankle and foot level, left foot, initial encounter	ICD-10-CM	Diagnosis
S96.929A	Laceration of unspecified muscle and tendon at ankle and foot level, unspecified foot, initial encounter	ICD-10-CM	Diagnosis
S98.011A	Complete traumatic amputation of right foot at ankle level, initial encounter	ICD-10-CM	Diagnosis
S98.012A	Complete traumatic amputation of left foot at ankle level, initial encounter	ICD-10-CM	Diagnosis
S98.019A	Complete traumatic amputation of unspecified foot at ankle level, initial encounter	ICD-10-CM	Diagnosis
S98.021A	Partial traumatic amputation of right foot at ankle level, initial encounter	ICD-10-CM	Diagnosis
S98.022A	Partial traumatic amputation of left foot at ankle level, initial encounter	ICD-10-CM	Diagnosis
S98.029A	Partial traumatic amputation of unspecified foot at ankle level, initial encounter	ICD-10-CM	Diagnosis
S98.111A	Complete traumatic amputation of right great toe, initial encounter	ICD-10-CM	Diagnosis
S98.112A	Complete traumatic amputation of left great toe, initial encounter	ICD-10-CM	Diagnosis
S98.119A	Complete traumatic amputation of unspecified great toe, initial encounter	ICD-10-CM	Diagnosis
S98.121A	Partial traumatic amputation of right great toe, initial encounter	ICD-10-CM	Diagnosis
S98.122A	Partial traumatic amputation of left great toe, initial encounter	ICD-10-CM	Diagnosis
S98.129A	Partial traumatic amputation of unspecified great toe, initial encounter	ICD-10-CM	Diagnosis
S98.131A	Complete traumatic amputation of one right lesser toe, initial encounter	ICD-10-CM	Diagnosis
S98.132A	Complete traumatic amputation of one left lesser toe, initial encounter	ICD-10-CM	Diagnosis
S98.139A	Complete traumatic amputation of one unspecified lesser toe, initial encounter	ICD-10-CM	Diagnosis
S98.141A	Partial traumatic amputation of one right lesser toe, initial encounter	ICD-10-CM	Diagnosis
S98.142A	Partial traumatic amputation of one left lesser toe, initial encounter	ICD-10-CM	Diagnosis
S98.149A	Partial traumatic amputation of one unspecified lesser toe, initial encounter	ICD-10-CM	Diagnosis
S98.211A	Complete traumatic amputation of two or more right lesser toes, initial encounter	ICD-10-CM	Diagnosis
S98.212A	Complete traumatic amputation of two or more left lesser toes, initial encounter	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S98.219A	Complete traumatic amputation of two or more unspecified lesser toes, initial encounter	ICD-10-CM	Diagnosis
S98.221A	Partial traumatic amputation of two or more right lesser toes, initial encounter	ICD-10-CM	Diagnosis
S98.222A	Partial traumatic amputation of two or more left lesser toes, initial encounter	ICD-10-CM	Diagnosis
S98.229A	Partial traumatic amputation of two or more unspecified lesser toes, initial encounter	ICD-10-CM	Diagnosis
S98.311A	Complete traumatic amputation of right midfoot, initial encounter	ICD-10-CM	Diagnosis
S98.312A	Complete traumatic amputation of left midfoot, initial encounter	ICD-10-CM	Diagnosis
S98.319A	Complete traumatic amputation of unspecified midfoot, initial encounter	ICD-10-CM	Diagnosis
S98.321A	Partial traumatic amputation of right midfoot, initial encounter	ICD-10-CM	Diagnosis
S98.322A	Partial traumatic amputation of left midfoot, initial encounter	ICD-10-CM	Diagnosis
S98.329A	Partial traumatic amputation of unspecified midfoot, initial encounter	ICD-10-CM	Diagnosis
S98.911A	Complete traumatic amputation of right foot, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S98.912A	Complete traumatic amputation of left foot, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S98.919A	Complete traumatic amputation of unspecified foot, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S98.921A	Partial traumatic amputation of right foot, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S98.922A	Partial traumatic amputation of left foot, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S98.929A	Partial traumatic amputation of unspecified foot, level unspecified, initial encounter	ICD-10-CM	Diagnosis
S99.001A	Unspecified physeal fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.001B	Unspecified physeal fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.002A	Unspecified physeal fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.002B	Unspecified physeal fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.009A	Unspecified physeal fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.009B	Unspecified physeal fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.011A	Salter-Harris Type I physeal fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.011B	Salter-Harris Type I physeal fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.012A	Salter-Harris Type I physeal fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.012B	Salter-Harris Type I physeal fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.019A	Salter-Harris Type I physeal fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S99.019B	Salter-Harris Type I physeal fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.021A	Salter-Harris Type II physeal fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.021B	Salter-Harris Type II physeal fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.022A	Salter-Harris Type II physeal fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.022B	Salter-Harris Type II physeal fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.029A	Salter-Harris Type II physeal fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.029B	Salter-Harris Type II physeal fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.031A	Salter-Harris Type III physeal fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.031B	Salter-Harris Type III physeal fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.032A	Salter-Harris Type III physeal fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.032B	Salter-Harris Type III physeal fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.039A	Salter-Harris Type III physeal fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.039B	Salter-Harris Type III physeal fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.041A	Salter-Harris Type IV physeal fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.041B	Salter-Harris Type IV physeal fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.042A	Salter-Harris Type IV physeal fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.042B	Salter-Harris Type IV physeal fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.049A	Salter-Harris Type IV physeal fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.049B	Salter-Harris Type IV physeal fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.091A	Other physeal fracture of right calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.091B	Other physeal fracture of right calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.092A	Other physeal fracture of left calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.092B	Other physeal fracture of left calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S99.099A	Other physeal fracture of unspecified calcaneus, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.099B	Other physeal fracture of unspecified calcaneus, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.101A	Unspecified physeal fracture of right metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.101B	Unspecified physeal fracture of right metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.102A	Unspecified physeal fracture of left metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.102B	Unspecified physeal fracture of left metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.109A	Unspecified physeal fracture of unspecified metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.109B	Unspecified physeal fracture of unspecified metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.111A	Salter-Harris Type I physeal fracture of right metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.111B	Salter-Harris Type I physeal fracture of right metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.112A	Salter-Harris Type I physeal fracture of left metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.112B	Salter-Harris Type I physeal fracture of left metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.119A	Salter-Harris Type I physeal fracture of unspecified metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.119B	Salter-Harris Type I physeal fracture of unspecified metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.121A	Salter-Harris Type II physeal fracture of right metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.121B	Salter-Harris Type II physeal fracture of right metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.122A	Salter-Harris Type II physeal fracture of left metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.122B	Salter-Harris Type II physeal fracture of left metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.129A	Salter-Harris Type II physeal fracture of unspecified metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.129B	Salter-Harris Type II physeal fracture of unspecified metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.131A	Salter-Harris Type III physeal fracture of right metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
S99.131B	Salter-Harris Type III physeal fracture of right metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.132A	Salter-Harris Type III physeal fracture of left metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.132B	Salter-Harris Type III physeal fracture of left metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.139A	Salter-Harris Type III physeal fracture of unspecified metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.139B	Salter-Harris Type III physeal fracture of unspecified metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.141A	Salter-Harris Type IV physeal fracture of right metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.141B	Salter-Harris Type IV physeal fracture of right metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.142A	Salter-Harris Type IV physeal fracture of left metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.142B	Salter-Harris Type IV physeal fracture of left metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.149A	Salter-Harris Type IV physeal fracture of unspecified metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.149B	Salter-Harris Type IV physeal fracture of unspecified metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.191A	Other physeal fracture of right metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.191B	Other physeal fracture of right metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.192A	Other physeal fracture of left metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.192B	Other physeal fracture of left metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.199A	Other physeal fracture of unspecified metatarsal, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.199B	Other physeal fracture of unspecified metatarsal, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.201A	Unspecified physeal fracture of phalanx of right toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.201B	Unspecified physeal fracture of phalanx of right toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.202A	Unspecified physeal fracture of phalanx of left toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.202B	Unspecified physeal fracture of phalanx of left toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.209A	Unspecified physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.209B	Unspecified physeal fracture of phalanx of unspecified toe, initial encounter for open fracture	ICD-10-CM	Diagnosis

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

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

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

Code	Description	Code Type	Code Category
S99.242B	Salter-Harris Type IV physeal fracture of phalanx of left toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.249A	Salter-Harris Type IV physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.249B	Salter-Harris Type IV physeal fracture of phalanx of unspecified toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.291A	Other physeal fracture of phalanx of right toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.291B	Other physeal fracture of phalanx of right toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.292A	Other physeal fracture of phalanx of left toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.292B	Other physeal fracture of phalanx of left toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
S99.299A	Other physeal fracture of phalanx of unspecified toe, initial encounter for closed fracture	ICD-10-CM	Diagnosis
S99.299B	Other physeal fracture of phalanx of unspecified toe, initial encounter for open fracture	ICD-10-CM	Diagnosis
T14.8	Other injury of unspecified body region	ICD-10-CM	Diagnosis
T31.10	Burns involving 10-19% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.11	Burns involving 10-19% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.20	Burns involving 20-29% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.21	Burns involving 20-29% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.22	Burns involving 20-29% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.30	Burns involving 30-39% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.31	Burns involving 30-39% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.32	Burns involving 30-39% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.33	Burns involving 30-39% of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.40	Burns involving 40-49% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.41	Burns involving 40-49% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.42	Burns involving 40-49% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.43	Burns involving 40-49% of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.44	Burns involving 40-49% of body surface with 40-49% third degree burns	ICD-10-CM	Diagnosis
T31.50	Burns involving 50-59% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.51	Burns involving 50-59% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.52	Burns involving 50-59% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.53	Burns involving 50-59% of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.54	Burns involving 50-59% of body surface with 40-49% third degree burns	ICD-10-CM	Diagnosis
T31.55	Burns involving 50-59% of body surface with 50-59% third degree burns	ICD-10-CM	Diagnosis
T31.60	Burns involving 60-69% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.61	Burns involving 60-69% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.62	Burns involving 60-69% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.63	Burns involving 60-69% of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.64	Burns involving 60-69% of body surface with 40-49% third degree burns	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T31.65	Burns involving 60-69% of body surface with 50-59% third degree burns	ICD-10-CM	Diagnosis
T31.66	Burns involving 60-69% of body surface with 60-69% third degree burns	ICD-10-CM	Diagnosis
T31.70	Burns involving 70-79% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.71	Burns involving 70-79% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.72	Burns involving 70-79% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.73	Burns involving 70-79% of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.74	Burns involving 70-79% of body surface with 40-49% third degree burns	ICD-10-CM	Diagnosis
T31.75	Burns involving 70-79% of body surface with 50-59% third degree burns	ICD-10-CM	Diagnosis
T31.76	Burns involving 70-79% of body surface with 60-69% third degree burns	ICD-10-CM	Diagnosis
T31.77	Burns involving 70-79% of body surface with 70-79% third degree burns	ICD-10-CM	Diagnosis
T31.80	Burns involving 80-89% of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.81	Burns involving 80-89% of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.82	Burns involving 80-89% of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.83	Burns involving 80-89% of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.84	Burns involving 80-89% of body surface with 40-49% third degree burns	ICD-10-CM	Diagnosis
T31.85	Burns involving 80-89% of body surface with 50-59% third degree burns	ICD-10-CM	Diagnosis
T31.86	Burns involving 80-89% of body surface with 60-69% third degree burns	ICD-10-CM	Diagnosis
T31.87	Burns involving 80-89% of body surface with 70-79% third degree burns	ICD-10-CM	Diagnosis
T31.88	Burns involving 80-89% of body surface with 80-89% third degree burns	ICD-10-CM	Diagnosis
T31.90	Burns involving 90% or more of body surface with 0% to 9% third degree burns	ICD-10-CM	Diagnosis
T31.91	Burns involving 90% or more of body surface with 10-19% third degree burns	ICD-10-CM	Diagnosis
T31.92	Burns involving 90% or more of body surface with 20-29% third degree burns	ICD-10-CM	Diagnosis
T31.93	Burns involving 90% or more of body surface with 30-39% third degree burns	ICD-10-CM	Diagnosis
T31.94	Burns involving 90% or more of body surface with 40-49% third degree burns	ICD-10-CM	Diagnosis
T31.95	Burns involving 90% or more of body surface with 50-59% third degree burns	ICD-10-CM	Diagnosis
T31.96	Burns involving 90% or more of body surface with 60-69% third degree burns	ICD-10-CM	Diagnosis
T31.97	Burns involving 90% or more of body surface with 70-79% third degree burns	ICD-10-CM	Diagnosis
T31.98	Burns involving 90% or more of body surface with 80-89% third degree burns	ICD-10-CM	Diagnosis
T31.99	Burns involving 90% or more of body surface with 90% or more third degree burns	ICD-10-CM	Diagnosis
T32.10	Corrosions involving 10-19% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.11	Corrosions involving 10-19% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.20	Corrosions involving 20-29% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.21	Corrosions involving 20-29% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.22	Corrosions involving 20-29% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.30	Corrosions involving 30-39% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T32.31	Corrosions involving 30-39% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.32	Corrosions involving 30-39% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.33	Corrosions involving 30-39% of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis
T32.40	Corrosions involving 40-49% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.41	Corrosions involving 40-49% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.42	Corrosions involving 40-49% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.43	Corrosions involving 40-49% of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis
T32.44	Corrosions involving 40-49% of body surface with 40-49% third degree corrosion	ICD-10-CM	Diagnosis
T32.50	Corrosions involving 50-59% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.51	Corrosions involving 50-59% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.52	Corrosions involving 50-59% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.53	Corrosions involving 50-59% of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis
T32.54	Corrosions involving 50-59% of body surface with 40-49% third degree corrosion	ICD-10-CM	Diagnosis
T32.55	Corrosions involving 50-59% of body surface with 50-59% third degree corrosion	ICD-10-CM	Diagnosis
T32.60	Corrosions involving 60-69% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.61	Corrosions involving 60-69% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.62	Corrosions involving 60-69% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.63	Corrosions involving 60-69% of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis
T32.64	Corrosions involving 60-69% of body surface with 40-49% third degree corrosion	ICD-10-CM	Diagnosis
T32.65	Corrosions involving 60-69% of body surface with 50-59% third degree corrosion	ICD-10-CM	Diagnosis
T32.66	Corrosions involving 60-69% of body surface with 60-69% third degree corrosion	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T32.70	Corrosions involving 70-79% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.71	Corrosions involving 70-79% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.72	Corrosions involving 70-79% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.73	Corrosions involving 70-79% of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis
T32.74	Corrosions involving 70-79% of body surface with 40-49% third degree corrosion	ICD-10-CM	Diagnosis
T32.75	Corrosions involving 70-79% of body surface with 50-59% third degree corrosion	ICD-10-CM	Diagnosis
T32.76	Corrosions involving 70-79% of body surface with 60-69% third degree corrosion	ICD-10-CM	Diagnosis
T32.77	Corrosions involving 70-79% of body surface with 70-79% third degree corrosion	ICD-10-CM	Diagnosis
T32.80	Corrosions involving 80-89% of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.81	Corrosions involving 80-89% of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.82	Corrosions involving 80-89% of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.83	Corrosions involving 80-89% of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis
T32.84	Corrosions involving 80-89% of body surface with 40-49% third degree corrosion	ICD-10-CM	Diagnosis
T32.85	Corrosions involving 80-89% of body surface with 50-59% third degree corrosion	ICD-10-CM	Diagnosis
T32.86	Corrosions involving 80-89% of body surface with 60-69% third degree corrosion	ICD-10-CM	Diagnosis
T32.87	Corrosions involving 80-89% of body surface with 70-79% third degree corrosion	ICD-10-CM	Diagnosis
T32.88	Corrosions involving 80-89% of body surface with 80-89% third degree corrosion	ICD-10-CM	Diagnosis
T32.90	Corrosions involving 90% or more of body surface with 0% to 9% third degree corrosion	ICD-10-CM	Diagnosis
T32.91	Corrosions involving 90% or more of body surface with 10-19% third degree corrosion	ICD-10-CM	Diagnosis
T32.92	Corrosions involving 90% or more of body surface with 20-29% third degree corrosion	ICD-10-CM	Diagnosis
T32.93	Corrosions involving 90% or more of body surface with 30-39% third degree corrosion	ICD-10-CM	Diagnosis

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

Code	Description	Code Type	Code Category
T32.94	Corrosions involving 90% or more of body surface with 40-49% third degree corrosion	ICD-10-CM	Diagnosis
T32.95	Corrosions involving 90% or more of body surface with 50-59% third degree corrosion	ICD-10-CM	Diagnosis
T32.96	Corrosions involving 90% or more of body surface with 60-69% third degree corrosion	ICD-10-CM	Diagnosis
T32.97	Corrosions involving 90% or more of body surface with 70-79% third degree corrosion	ICD-10-CM	Diagnosis
T32.98	Corrosions involving 90% or more of body surface with 80-89% third degree corrosion	ICD-10-CM	Diagnosis
T32.99	Corrosions involving 90% or more of body surface with 90% or more third degree corrosion	ICD-10-CM	Diagnosis
T50.A11A	Poisoning by pertussis vaccine, including combinations with a pertussis component, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.A12A	Poisoning by pertussis vaccine, including combinations with a pertussis component, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.A13A	Poisoning by pertussis vaccine, including combinations with a pertussis component, assault, initial encounter	ICD-10-CM	Diagnosis
T50.A14A	Poisoning by pertussis vaccine, including combinations with a pertussis component, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.A21A	Poisoning by mixed bacterial vaccines without a pertussis component, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.A22A	Poisoning by mixed bacterial vaccines without a pertussis component, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.A23A	Poisoning by mixed bacterial vaccines without a pertussis component, assault, initial encounter	ICD-10-CM	Diagnosis
T50.A24A	Poisoning by mixed bacterial vaccines without a pertussis component, undetermined, initial encounter	ICD-10-CM	Diagnosis
T50.A91A	Poisoning by other bacterial vaccines, accidental (unintentional), initial encounter	ICD-10-CM	Diagnosis
T50.A92A	Poisoning by other bacterial vaccines, intentional self-harm, initial encounter	ICD-10-CM	Diagnosis
T50.A93A	Poisoning by other bacterial vaccines, assault, initial encounter	ICD-10-CM	Diagnosis
T50.A94A	Poisoning by other bacterial vaccines, undetermined, initial encounter	ICD-10-CM	Diagnosis

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
Antiarrhythmic Medications	
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
DOFETILIDE	dofetilide
MEXILETINE HCL	mexiletine
QUINIDINE SULFATE	quinidine sulfate
PROPAFENONE HCL	propafenone
AMIODARONE HCL	Pacerone
SOTALOL HCL	sotalol
LIDOCAINE HCL/PF	lidocaine (PF)
QUINIDINE GLUCONATE	quinidine gluconate
MEXILETINE HCL	mexiletine
PHENYTOIN SODIUM	phenytoin sodium
ADENOSINE	adenosine
QUINIDINE SULFATE	quinidine sulfate
DILTIAZEM HCL	diltiazem HCl
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
SOTALOL HCL	sotalol
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
ESMOLOL HCL	Brevibloc
PROCAINAMIDE HCL	procainamide
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
DISOPYRAMIDE PHOSPHATE	Norpace CR
PROPAFENONE HCL	propafenone
MEXILETINE HCL	mexiletine
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
PROCAINAMIDE HCL	procainamide
SOTALOL HCL	Sorine
AMIODARONE HCL	amiodarone
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
QUINIDINE GLUCONATE	quinidine gluconate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VERAPAMIL HCL	verapamil
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
QUINIDINE GLUCONATE	quinidine gluconate
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	Tambocor
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
SOTALOL HCL	Sotalol AF
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
PHENYTOIN SODIUM	phenytoin sodium
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	Rythmol SR
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	propafenone
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
LIDOCAINE HCL/PF	Xylocaine (Cardiac) (PF)
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
QUINIDINE SULFATE	Quinidex Extentabs
LIDOCAINE HCL/PF	lidocaine (PF)
PROPAFENONE HCL	Rythmol SR
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
DILTIAZEM HCL	diltiazem HCl
PROPAFENONE HCL	Rythmol SR
VERAPAMIL HCL	verapamil
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
PROCAINAMIDE HCL	procainamide
SOTALOL HCL	sotalol

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
AMIODARONE HCL	Pacerone
FLECAINIDE ACETATE	flecainide
LIDOCAINE HCL/PF	lidocaine (PF)
SOTALOL HCL	Sotalol AF
FLECAINIDE ACETATE	Tambocor
SOTALOL HCL	sotalol
DILTIAZEM HCL	diltiazem HCl
QUINIDINE GLUCONATE	quinidine gluconate
FLECAINIDE ACETATE	flecainide
MEXILETINE HCL	mexiletine
ADENOSINE	adenosine
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	Rythmol
FLECAINIDE ACETATE	flecainide
ESMOLOL HCL IN SODIUM CHLORIDE, ISO-OSMOTIC	Brevibloc in NaCl (iso-osm)
QUINIDINE SULFATE	quinidine sulfate
ADENOSINE	adenosine
LIDOCAINE HCL/PF	lidocaine (PF)
SOTALOL HCL	sotalol
MEXILETINE HCL	mexiletine
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	Rythmol SR
DILTIAZEM HCL	diltiazem HCl
MEXILETINE HCL	mexiletine (bulk)
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
QUINIDINE GLUCONATE	quinidine gluconate
AMIODARONE HCL	amiodarone
DISOPYRAMIDE PHOSPHATE	Norpace
AMIODARONE HCL	Pacerone
VERAPAMIL HCL	verapamil
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sorine
DISOPYRAMIDE PHOSPHATE	Norpace CR
PROPAFENONE HCL	propafenone
SOTALOL HCL	Betapace
SOTALOL HCL	Betapace
ADENOSINE	adenosine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
QUINIDINE GLUCONATE	quinidine gluconate
FLECAINIDE ACETATE	Tambocor
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
AMIODARONE HCL	amiodarone
ESMOLOL HCL	esmolol
PHENYTOIN SODIUM	phenytoin sodium
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	flecainide
MORICIZINE HCL	Ethmozine
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
AMIODARONE HCL	Pacerone
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
SOTALOL HCL	Betapace AF
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
SOTALOL HCL	Sotalol AF
SOTALOL HCL	sotalol
PHENYTOIN SODIUM	phenytoin sodium
VERAPAMIL HCL	verapamil
ADENOSINE	adenosine
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
PHENYTOIN SODIUM	phenytoin sodium
PROPAFENONE HCL	Rythmol SR
SOTALOL HCL	sotalol
AMIODARONE IN DEXTROSE, ISO-OSMOTIC	Nexterone
VERAPAMIL HCL	verapamil
VERAPAMIL HCL	verapamil
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	Tambocor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
QUINIDINE GLUCONATE	quinidine gluconate
SOTALOL HCL	sotalol
ESMOLOL HCL	esmolol
PROPAFENONE HCL	propafenone
DOFETILIDE	Tikosyn
DILTIAZEM HCL	diltiazem HCl
ESMOLOL HCL	esmolol
FLECAINIDE ACETATE	Tambocor
SOTALOL HCL	sotalol
ADENOSINE	adenosine
PROPAFENONE HCL	propafenone
QUINIDINE SULFATE	Quinidex Extentabs
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
FLECAINIDE ACETATE	Tambocor
SOTALOL HCL	sotalol
PROCAINAMIDE HCL	Procanbid
FLECAINIDE ACETATE	flecainide
AMIODARONE HCL	amiodarone
SOTALOL HCL	Sotalol AF
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
ADENOSINE	adenosine
FLECAINIDE ACETATE	flecainide
ESMOLOL HCL IN SODIUM CHLORIDE, ISO-OSMOTIC	Brevibloc in NaCl (iso-osm)
FLECAINIDE ACETATE	flecainide
PHENYTOIN SODIUM	phenytoin sodium
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
ADENOSINE	adenosine
PROPAFENONE HCL	propafenone
SOTALOL HCL	Betapace AF
SOTALOL HCL	Sorine
AMIODARONE HCL	Pacerone
AMIODARONE HCL	amiodarone
VERAPAMIL HCL	verapamil
ESMOLOL HCL	Brevibloc
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	propafenone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINIDINE GLUCONATE	quinidine gluconate
MEXILETINE HCL	mexiletine (bulk)
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
FLECAINIDE ACETATE	flecainide
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
VERAPAMIL HCL	Calan
SOTALOL HCL	Sotalol AF
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
LIDOCAINE HCL/PF	lidocaine (PF)
AMIODARONE HCL	amiodarone
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
VERAPAMIL HCL	verapamil
MORICIZINE HCL	Ethmazine
DILTIAZEM HCL	diltiazem HCl
AMIODARONE HCL	Pacerone
PROCAINAMIDE HCL	procainamide
PROCAINAMIDE HCL	procainamide
QUINIDINE SULFATE	quinidine sulfate
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
DISOPYRAMIDE PHOSPHATE	Norpace
MEXILETINE HCL	mexiletine
DOFETILIDE	Tikosyn
VERAPAMIL HCL	verapamil
SOTALOL HCL	sotalol
ESMOLOL HCL	esmolol
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
QUINIDINE SULFATE	quinidine sulfate
SOTALOL HCL	sotalol

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ADENOSINE	adenosine
AMIODARONE HCL	amiodarone
SOTALOL HCL	Sorine
QUINIDINE SULFATE	quinidine sulfate (bulk)
VERAPAMIL HCL	verapamil
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
MEXILETINE HCL	mexiletine
VERAPAMIL HCL	verapamil
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
ADENOSINE	adenosine
VERAPAMIL HCL	verapamil
DOFETILIDE	Tikosyn
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
ADENOSINE	Adenocard
VERAPAMIL HCL	verapamil
LIDOCAINE HCL/PF	lidocaine (PF)
SOTALOL HCL	sotalol
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sotalol AF
PROPAFENONE HCL	propafenone
MEXILETINE HCL	mexiletine (bulk)
VERAPAMIL HCL	verapamil
QUINIDINE SULFATE	quinidine sulfate (bulk)
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
LIDOCAINE HCL/PF	lidocaine (PF)
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
MEXILETINE HCL	mexiletine
MORICIZINE HCL	Ethmozine
PROPAFENONE HCL	Rythmol SR
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
QUINIDINE SULFATE	quinidine sulfate
PROPAFENONE HCL	Rythmol
SOTALOL HCL	sotalol
MEXILETINE HCL	mexiletine (bulk)
VERAPAMIL HCL	verapamil
SOTALOL HCL	Betapace AF
FLECAINIDE ACETATE	flecainide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PROPAFENONE HCL	propafenone
AMIODARONE HCL	amiodarone
LIDOCAINE HCL/PF	lidocaine (PF)
ADENOSINE	adenosine
PROPAFENONE HCL	Rythmol
AMIODARONE HCL	amiodarone
SOTALOL HCL	Sotalol AF
SOTALOL HCL	Sotalol AF
MEXILETINE HCL	mexiletine
PROPAFENONE HCL	propafenone
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
IBUTILIDE FUMARATE	Corvert
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
FLECAINIDE ACETATE	flecainide
ADENOSINE	adenosine
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
DRONEDARONE HCL	Multaq
AMIODARONE HCL	amiodarone
ADENOSINE	adenosine
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
FLECAINIDE ACETATE	flecainide
QUINIDINE SULFATE	quinidine sulfate
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
PHENYTOIN SODIUM	phenytoin sodium
MEXILETINE HCL	mexiletine (bulk)
DRONEDARONE HCL	Multaq
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sotalol AF
PROCAINAMIDE HCL	Procanbid
FLECAINIDE ACETATE	flecainide
ADENOSINE	adenosine
VERAPAMIL HCL	verapamil
DILTIAZEM HCL	diltiazem HCl
MEXILETINE HCL	mexiletine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
ESMOLOL HCL	Brevibloc
SOTALOL HCL	sotalol
ESMOLOL HCL	esmolol
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
PROCAINAMIDE HCL	procainamide
VERAPAMIL HCL	verapamil
MEXILETINE HCL	mexiletine
SOTALOL HCL	Sotalol AF
SOTALOL HCL	Betapace AF
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
ESMOLOL HCL	esmolol
SOTALOL HCL	sotalol
DILTIAZEM HCL	diltiazem HCl
AMIODARONE HCL	amiodarone
DISOPYRAMIDE PHOSPHATE	Norpace CR
VERAPAMIL HCL	verapamil
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
AMIODARONE HCL	amiodarone (bulk)
SOTALOL HCL	Sotalol AF
MEXILETINE HCL	mexiletine (bulk)
MEXILETINE HCL	mexiletine (bulk)
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
MEXILETINE HCL	mexiletine (bulk)
AMIODARONE HCL	Pacerone
FLECAINIDE ACETATE	flecainide
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
VERAPAMIL HCL	Calan
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
AMIODARONE HCL	amiodarone
DILTIAZEM HCL	diltiazem HCl
VERAPAMIL HCL	verapamil
AMIODARONE IN DEXTROSE, ISO-OSMOTIC	Nexterone
MEXILETINE HCL	mexiletine (bulk)
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
DRONEDARONE HCL	Multaq
SOTALOL HCL	Sorine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
MEXILETINE HCL	mexiletine
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
FLECAINIDE ACETATE	Tambocor
VERAPAMIL HCL	verapamil
AMIODARONE HCL	Pacerone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
IBUTILIDE FUMARATE	ibutilide fumarate
DOFETILIDE	Tikosyn
QUINIDINE SULFATE	quinidine sulfate
FLECAINIDE ACETATE	flecainide
ADENOSINE	adenosine
ADENOSINE	adenosine
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
LIDOCAINE HCL/PF	lidocaine (PF)
PROCAINAMIDE HCL	procainamide
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
DOFETILIDE	dofetilide
QUINIDINE SULFATE	quinidine sulfate
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
MEXILETINE HCL	mexiletine (bulk)
AMIODARONE HCL	amiodarone
DOFETILIDE	Tikosyn
SOTALOL HCL	Sotalol AF
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	flecainide
PHENYTOIN SODIUM	phenytoin sodium

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VERAPAMIL HCL	Calan
PROCAINAMIDE HCL	procainamide
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	Sotalol AF
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
FLECAINIDE ACETATE	flecainide
AMIODARONE HCL	amiodarone
MEXILETINE HCL	mexiletine
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
MEXILETINE HCL	Mexitil
AMIODARONE HCL	amiodarone
DILTIAZEM HCL	diltiazem HCl
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sotalol AF
MEXILETINE HCL	mexiletine (bulk)
ADENOSINE IN 0.9 % SODIUM CHLORIDE	adenosine in 0.9 % sod chlor
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
QUINIDINE GLUCONATE	quinidine gluconate
MEXILETINE HCL	mexiletine
VERAPAMIL HCL	verapamil
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
QUINIDINE GLUCONATE	quinidine gluconate
MEXILETINE HCL	mexiletine (bulk)
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	Tambocor
VERAPAMIL HCL	verapamil
FLECAINIDE ACETATE	flecainide
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	Sorine
DOFETILIDE	Tikosyn

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
VERAPAMIL HCL	verapamil
VERAPAMIL HCL	verapamil
MEXILETINE HCL	mexiletine (bulk)
QUINIDINE GLUCONATE	quinidine gluconate
PROPAFENONE HCL	propafenone
AMIODARONE HCL	amiodarone
LIDOCAINE HCL/PF	lidocaine (PF)
PROCAINAMIDE HCL	procainamide
SOTALOL HCL	Betapace
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	Rythmol SR
SOTALOL HCL	sotalol
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
FLECAINIDE ACETATE	flecainide
LIDOCAINE HCL/PF	lidocaine (PF)
PROPAFENONE HCL	propafenone
DOFETILIDE	dofetilide
ESMOLOL HCL	esmolol
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
PHENYTOIN SODIUM	phenytoin sodium
AMIODARONE HCL	Pacerone
SOTALOL HCL	Betapace AF
AMIODARONE HCL	amiodarone
ESMOLOL HCL	esmolol
SOTALOL HCL	sotalol
SOTALOL HCL	Sotalol AF
SOTALOL HCL	sotalol
DILTIAZEM HCL	Cardizem
ESMOLOL HCL	esmolol
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
ADENOSINE	adenosine
PROCAINAMIDE HCL	procainamide
SOTALOL HCL	Sotalol AF
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sorine
SOTALOL HCL	Sorine
AMIODARONE HCL	Pacerone
MEXILETINE HCL	mexiletine (bulk)
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
DOFETILIDE	dofetilide
MEXILETINE HCL	mexiletine
DILTIAZEM HCL	diltiazem HCl
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
DILTIAZEM HCL	diltiazem HCl
ADENOSINE	adenosine
LIDOCAINE HCL/PF	lidocaine (PF)
ESMOLOL HCL	esmolol
VERAPAMIL HCL	verapamil
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	Sorine
SOTALOL HCL	sotalol
DOFETILIDE	Tikosyn
SOTALOL HCL	sotalol
QUINIDINE SULFATE	quinidine sulfate (bulk)
SOTALOL HCL	Sorine
MEXILETINE HCL	mexiletine
PROPAFENONE HCL	propafenone
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
PROPAFENONE HCL	propafenone
FLECAINIDE ACETATE	flecainide
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
ADENOSINE	adenosine
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	Tambocor
MEXILETINE HCL	mexiletine (bulk)
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
SOTALOL HCL	Sotalol AF
DILTIAZEM HCL	diltiazem HCl
AMIODARONE HCL	amiodarone (bulk)
DILTIAZEM HCL	diltiazem HCl
QUINIDINE GLUCONATE	quinidine gluconate
BRETYLIUM TOSYLATE	bretylum tosylate
ADENOSINE	adenosine
DILTIAZEM HCL	diltiazem HCl
DILTIAZEM HCL	diltiazem HCl
PHENYTOIN SODIUM	phenytoin sodium
AMIODARONE HCL	amiodarone
QUINIDINE SULFATE	quinidine sulfate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
LIDOCAINE HCL/PF	lidocaine (PF)
SOTALOL HCL	sotalol
SOTALOL HCL	Betapace
LIDOCAINE HCL/PF	lidocaine (PF)
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
SOTALOL HCL	Sorine
MEXILETINE HCL	mexiletine
AMIODARONE HCL	amiodarone
MEXILETINE HCL	mexiletine
ADENOSINE	adenosine
PHENYTOIN SODIUM	phenytoin sodium
MEXILETINE HCL	mexiletine (bulk)
AMIODARONE HCL	amiodarone
DISOPYRAMIDE PHOSPHATE	Norpace CR
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	Rythmol SR
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
DILTIAZEM HCL	diltiazem HCl
ESMOLOL HCL	esmolol
AMIODARONE HCL	Pacerone
PROCAINAMIDE HCL	Procanbid
QUINIDINE GLUCONATE	quinidine gluconate
IBUTILIDE FUMARATE	Corvert
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
DILTIAZEM HCL	diltiazem HCl
AMIODARONE HCL	amiodarone
DILTIAZEM HCL	diltiazem HCl
AMIODARONE HCL	amiodarone
IBUTILIDE FUMARATE	ibutilide fumarate
PHENYTOIN SODIUM	phenytoin sodium
ADENOSINE	adenosine
DOFETILIDE	Tikosyn
QUINIDINE GLUCONATE	quinidine gluconate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PHENYTOIN SODIUM	phenytoin sodium
DILTIAZEM HCL	diltiazem HCl
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
LIDOCAINE HCL/PF	lidocaine (PF)
DISOPYRAMIDE PHOSPHATE	Norpace CR
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
ESMOLOL HCL	esmolol
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
QUINIDINE SULFATE	quinidine sulfate
SOTALOL HCL	sotalol
ADENOSINE	adenosine
VERAPAMIL HCL	Calan
AMIODARONE HCL	Cordarone
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
LIDOCAINE HCL/PF	lidocaine (PF)
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	Sotylize
MEXILETINE HCL	mexiletine
LIDOCAINE HCL/DEXTROSE 5%-WATER/PF	lidocaine in 5 % dextrose (PF)
FLECAINIDE ACETATE	flecainide
DOFETILIDE	dofetilide
QUINIDINE SULFATE	quinidine sulfate
PROPAFENONE HCL	propafenone
LIDOCAINE HCL/PF	lidocaine (PF)
SOTALOL HCL	Sotalol AF
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
ESMOLOL HCL	esmolol
VERAPAMIL HCL	verapamil
IBUTILIDE FUMARATE	Corvert
AMIODARONE HCL	amiodarone
PHENYTOIN SODIUM	phenytoin sodium
FLECAINIDE ACETATE	Tambocor
MEXILETINE HCL	mexiletine (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
PROPAFENONE HCL	propafenone
PROCAINAMIDE HCL	procainamide
DRONEDARONE HCL	Multaq
SOTALOL HCL	sotalol
MEXILETINE HCL	mexiletine
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
PHENYTOIN SODIUM	phenytoin sodium
QUINIDINE SULFATE	quinidine sulfate
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
MEXILETINE HCL	mexiletine
VERAPAMIL HCL	verapamil
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
VERAPAMIL HCL	verapamil
QUINIDINE GLUCONATE	quinidine gluconate
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
ESMOLOL HCL	esmolol
PROPAFENONE HCL	propafenone
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
ADENOSINE	adenosine
SOTALOL HCL	Sorine
PROPAFENONE HCL	propafenone
AMIODARONE HCL	amiodarone
VERAPAMIL HCL	verapamil
SOTALOL HCL	Sotalol AF
DILTIAZEM HCL	diltiazem HCl
ADENOSINE	adenosine
MEXILETINE HCL	mexiletine
AMIODARONE HCL/DEXTROSE 5 % IN WATER	amiodarone in dextrose 5 %
PROCAINAMIDE HCL	procainamide
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
ADENOSINE	adenosine
PROCAINAMIDE HCL	procainamide
MEXILETINE HCL	mexiletine
AMIODARONE HCL	amiodarone
QUINIDINE GLUCONATE	quinidine gluconate
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DISOPYRAMIDE PHOSPHATE	disopyramide phosphate
DOFETILIDE	dofetilide
AMIODARONE HCL	amiodarone
PROPAFENONE HCL	Rythmol
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	Rythmol SR
PROPAFENONE HCL	propafenone
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sotalol AF
VERAPAMIL HCL	verapamil
DILTIAZEM HCL	diltiazem HCl
PHENYTOIN SODIUM	phenytoin sodium
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
SOTALOL HCL	sotalol
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
DISOPYRAMIDE PHOSPHATE	Norpace CR
FLECAINIDE ACETATE	flecainide
FLECAINIDE ACETATE	Tambocor
SOTALOL HCL	sotalol
PROPAFENONE HCL	Rythmol
AMIODARONE HCL	amiodarone
AMIODARONE HCL	amiodarone
FLECAINIDE ACETATE	Tambocor
PROCAINAMIDE HCL	procainamide
VERAPAMIL HCL	verapamil
PROPAFENONE HCL	propafenone
SOTALOL HCL	Sotalol AF
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
AMIODARONE HCL	amiodarone
PHENYTOIN SODIUM	phenytoin sodium
AMIODARONE HCL	amiodarone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
PROPAFENONE HCL	propafenone
AMIODARONE HCL	Pacerone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ADENOSINE	adenosine
PROPAFENONE HCL	Rythmol SR
PROPAFENONE HCL	propafenone
SOTALOL HCL	sotalol
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
DRONEDARONE HCL	Multaq
SOTALOL HCL	sotalol
AMIODARONE HCL	amiodarone
QUINIDINE SULFATE	quinidine sulfate
ESMOLOL HCL	Brevibloc
DOFETILIDE	Tikosyn
ADENOSINE	Adenocard
LIDOCAINE HCL/PF	Xylocaine (Cardiac) (PF)
MEXILETINE HCL	mexiletine
QUINIDINE SULFATE	quinidine sulfate
ESMOLOL HCL	Brevibloc
PROPAFENONE HCL	propafenone
DILTIAZEM HCL	diltiazem HCl
SOTALOL HCL	sotalol
FLECAINIDE ACETATE	flecainide
PROPAFENONE HCL	propafenone
PROPAFENONE HCL	propafenone
QUINIDINE SULFATE	quinidine sulfate
FLECAINIDE ACETATE	flecainide
VERAPAMIL HCL	verapamil
PHENYTOIN SODIUM	phenytoin sodium
QUINIDINE SULFATE	quinidine sulfate
PHENYTOIN SODIUM	phenytoin sodium
FLECAINIDE ACETATE	flecainide
SOTALOL HCL	Sotylize
DILTIAZEM HCL	diltiazem HCl
VERAPAMIL HCL	verapamil
AMIODARONE HCL	amiodarone
Antihypertensive Medications	
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
TELMISARTAN	telmisartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	Altace
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
PAPAVERINE HCL	papaverine (bulk)
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
EPLERENONE	eplerenone
CAPTOPRIL	captopril
IRBESARTAN	Avapro
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
PERINDOPRIL ARGININE/AMLODIPINE BESYLATE	Prestalia
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	Zestril
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
FOSINOPRIL SODIUM	fosinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL	Benicar
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TELMISARTAN/AMLODIPINE BESYLATE	Twynsta
LISINOPRIL	Zestril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINAPRIL	lisinopril
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE	clonidine
TERAZOSIN HCL	terazosin
TELMISARTAN	telmisartan
GUANFACINE HCL	Tenex
TERAZOSIN HCL	terazosin
VALSARTAN	valsartan
BENAZEPRIL HCL	benazepril
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
PRAZOSIN HCL	Minipress
LISINAPRIL	lisinopril
VALSARTAN	Diovan
RAMIPRIL	ramipril
LISINAPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CAPTAPRIL	captapril (bulk)
ENALAPRIL MALEATE	enalapril maleate
CAPTAPRIL	captapril
BENAZEPRIL HCL	benazepril HCl (bulk)
SPIRONOLACTONE	spironolactone
CAPTAPRIL	captapril
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
CAPTAPRIL	captapril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CAPTAPRIL	captapril
LISINAPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINAPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	Vasotec
TELMISARTAN	telmisartan
TRANDOLAPRIL	trandolapril
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
BENAZEPRIL HCL	Lotensin
MINOXIDIL	minoxidil
RAMIPRIL	ramipril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
PAPAVERINE HCL	papaverine (bulk)
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CAPTOPRIL	captopril
ALISKIREN HEMIFUMARATE	Tekturna
QUINAPRIL HCL	Accupril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
PRAZOSIN HCL	prazosin
FOSINOPRIL SODIUM	fosinopril
VALSARTAN	valsartan
CAPTOPRIL	captopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
VALSARTAN	valsartan
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
PRAZOSIN HCL	prazosin
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE	Amturnide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
FOSINOPRIL SODIUM	fosinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
PAPAVERINE HCL	papaverine (bulk)
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
PRAZOSIN HCL	prazosin
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	olmesartan-hydrochlorothiazide
ALISKIREN/VALSARTAN	Valturna
PAPAVERINE HCL	papaverine
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	irbesartan
DOXAZOSIN MESYLATE	doxazosin
TELMISARTAN	Micardis
QUINAPRIL HCL	quinapril
SILDENAFIL CITRATE	sildenafil
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
PAPAVERINE HCL	papaverine
VALSARTAN	Diovan
VALSARTAN	Diovan
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
TELMISARTAN	Micardis
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
IRBESARTAN	Avapro
IRBESARTAN	irbesartan
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	enalapril maleate
TRANDOLAPRIL	trandolapril
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
OLMESARTAN MEDOXOMIL	Benicar
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
PHENOXYBENZAMINE HCL	Dibenzyliline
SILDENAFIL CITRATE	sildenafil
FOSINOPRIL SODIUM	fosinopril
PRAZOSIN HCL	prazosin
IRBESARTAN	Avapro
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE	clonidine
ENALAPRIL MALEATE	enalapril maleate
RESERPINE	reserpine
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
VALSARTAN	Diovan
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
LISINOPRIL/DIETARY SUPPLEMENT,COMB.10	Lytensopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CANDESARTAN CILEXETIL	candesartan
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAZOSIN HCL	prazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
HYDRALAZINE HCL	hydralazine
RAMIPRIL	Altace
SACUBITRIL/VALSARTAN	Entresto
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
VALSARTAN	Diovan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
TREPROSTINIL SODIUM	Remodulin
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	Vasotec
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM	Cozaar
DOXAZOSIN MESYLATE	doxazosin
PAPAVERINE HCL	papaverine (bulk)
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazyd
LISINOPRIL	Zestril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TELMISARTAN	telmisartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
HYDRALAZINE HCL	hydralazine
CAPTOPRIL	captopril
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN	irbesartan
SPIRONOLACTONE	spironolactone
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
VALSARTAN	valsartan
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
QUINAPRIL HCL	quinapril
CAPTOPRIL	captopril
VALSARTAN	valsartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CAPTOPRIL	Capoten
CLONIDINE	clonidine
RAMIPRIL	ramipril
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL	benazepril
TELMISARTAN	telmisartan
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
CYCLANDELATE	cyclandelate
MOEXIPRIL HCL	moexipril
IRBESARTAN	Avapro
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	Cardura
MINOXIDIL	minoxidil
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	Avapro
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
CLONIDINE	clonidine
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRILAT DIHYDRATE	enalaprilat
DOXAZOSIN MESYLATE	Cardura
IRBESARTAN	Avapro
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	Zestril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LISINOPRIL	Zestril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
FOSINOPRIL SODIUM	fosinopril
PERINDOPRIL ERBUMINE	perindopril erbumine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	Diovan
IRBESARTAN	irbesartan
BENAZEPRIL HCL	benazepril
CANDESARTAN CILEXETIL	candesartan
TELMISARTAN	telmisartan
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
MINOXIDIL	minoxidil
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazyd
LISINOPRIL	lisinopril
SILDENAFIL CITRATE	sildenafil
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
RAMIPRIL	Altace
ENALAPRIL MALEATE	enalapril maleate
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
LISINOPRIL	Zestril
RAMIPRIL	ramipril
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
GUANFACINE HCL	guanfacine
TRANDOLAPRIL	Mavik
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CANDESARTAN CILEXETIL	Atacand
LOSARTAN POTASSIUM	losartan
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/VALSARTAN	Exforge
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	Vasotec
VALSARTAN	valsartan
SPIRONOLACTONE	spironolactone
TELMISARTAN	Micardis
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	Cozaar
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
METHYLDOPA	methyl dopa
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CANDESARTAN CILEXETIL	candesartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
HYDRALAZINE HCL	hydralazine
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
EPLERENONE	epplerenone
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
METHYLDOPA	methyl dopa
ENALAPRIL MALEATE	enalapril maleate
TRANDOLAPRIL	trandolapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	Zestril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	Prinivil
VALSARTAN	Diovan
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
SPIRONOLACTONE	spironolactone
HYDRALAZINE HCL	hydralazine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINAPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
IRBESARTAN	irbesartan
LISINAPRIL	lisinopril
TERAZOSIN HCL	terazosin
LISINAPRIL	lisinopril
LISINAPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	Cardura
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN	Diovan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
QUINAPRIL HCL	quinapril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINAPRIL	lisinopril
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazid
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
CANDESARTAN CILEXETIL	Atacand
CAPTAPRIL	captapril (bulk)
BENAZEPRIL HCL	benazepril
EPLERENONE	eplerenone
LISINAPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	Lotensin
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
EPLERENONE	eplerenone
LISINAPRIL	lisinopril
LISINAPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
RAMIPRIL	ramipril
TREPROSTINIL	Tyvaso
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ILOPROST TROMETHAMINE	Ventavis
LOSARTAN POTASSIUM	Cozaar
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	Diovan
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
TERAZOSIN HCL	terazosin
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
LISINOPRIL	lisinopril
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
SILDENAFIL CITRATE	sildenafil
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
LISINOPRIL	Zestril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
TOLAZOLINE HCL	tolazoline (bulk)
CYCLANDELATE	cyclandelate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN	valsartan
DOXAZOSIN MESYLATE	doxazosin
RESERPINE	reserpine (bulk)
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
IRBESARTAN	Avapro
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	Altace
BENAZEPRIL HCL	benazepril
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
VALSARTAN	Diovan
DOXAZOSIN MESYLATE	Cardura
ISOXSUPRINE HCL	isoxsuprine
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
TERAZOSIN HCL	Hytrin
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
TRANDOLAPRIL	trandolapril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CAPTOPRIL	captopril (bulk)
IRBESARTAN	irbesartan
TERAZOSIN HCL	terazosin
TELMISARTAN	telmisartan
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
CANDESARTAN CILEXETIL	candesartan
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
OLMESARTAN MEDOXOMIL	Benicar
FOSINOPRIL SODIUM	Monopril
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	ramipril
CAPTOPRIL	Capoten
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	irbesartan
RESERPINE	reserpine
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	quinapril
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	Monopril
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
FOSINOPRIL SODIUM	fosinopril
CLONIDINE	clonidine
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	Monopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
CLONIDINE HCL	Catapres
VALSARTAN	Diovan
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
CAPTOPRIL	captopril
VALSARTAN	valsartan
RAMIPRIL	ramipril
LISINOPRIL	Zestril
ENALAPRIL MALEATE	enalapril maleate
RESERPINE	reserpine (bulk)
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
RAMIPRIL	ramipril
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FENOLDOPAM MESYLATE	Corlopan
TERAZOSIN HCL	terazosin
QUINAPRIL HCL	quinapril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BENAZEPRIL HCL	benazepril
CAPTOPRIL	captopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
MINOXIDIL	minoxidil
RAMIPRIL	Altace
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
DIAZOXIDE	diazoxide (bulk)
PAPAVERINE HCL	papaverine (bulk)
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
SPIRONOLACTONE	Aldactone
IRBESARTAN	irbesartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
SILDENAFIL CITRATE	sildenafil
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
VALSARTAN	Diovan
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
CLONIDINE	clonidine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
CANDESARTAN CILEXETIL	candesartan
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
CAPTOPRIL	captopril
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
PAPAVERINE HCL	papaverine (bulk)
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
METHYLDOPA	methyldopa

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
CANDESARTAN CILEXETIL	Atacand
VALSARTAN	valsartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL	Benicar
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL	quinapril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
SACUBITRIL/VALSARTAN	Entresto
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN	valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINAPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	Exforge
LISINAPRIL	lisinopril
SPIRONOLACTONE	spironolactone
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINAPRIL	lisinopril
CLONIDINE HCL	Catapres
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINAPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINAPRIL	lisinopril
LISINAPRIL	lisinopril
CAPTAPRIL	captapril
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	Vasotec
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINAPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINAPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	olmesartan-hydrochlorothiazide
PRAZOSIN HCL	prazosin
SPIRONOLACTONE	spironolactone
LISINAPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
LISINAPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINAPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LISINAPRIL	lisinopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
IRBESARTAN	Avapro
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
SACUBITRIL/VALSARTAN	Entresto
FOSINOPRIL SODIUM	fosinopril
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
QUINAPRIL HCL	quinapril
IRBESARTAN	Avapro

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BENAZEPRIL HCL	benazepril
EPLERENONE	eplerenone
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	enalapril maleate
TRANDOLAPRIL	trandolapril
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
TERAZOSIN HCL	terazosin
CLONIDINE	clonidine
BENAZEPRIL HCL	benazepril
PRAZOSIN HCL	prazosin
IRBESARTAN	Avapro
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CAPTOPRIL	captopril
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
ALISKIREN HEMIFUMARATE	Tekturna
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	Cozaar
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CLONIDINE	clonidine
LOSARTAN POTASSIUM	losartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	Cardura XL
ENALAPRIL MALEATE	enalapril maleate
GUANFACINE HCL	guanfacine
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
CLONIDINE	clonidine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
GUANFACINE HCL	guanfacine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
TRANDOLAPRIL	trandolapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
TELMISARTAN	telmisartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate (bulk)
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
HYDRALAZINE HCL	hydralazine
RAMIPRIL	ramipril
PAPAVERINE HCL	papaverine
RAMIPRIL	Altace
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
LISINOPRIL	lisinopril
RAMIPRIL	ramipril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	Altace
HYDRALAZINE HCL	hydralazine
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
IRBESARTAN	Avapro
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
RIOCIGUAT	Adempas
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril
MOEXIPRIL HCL	moexipril
LISINOPRIL	Zestril
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
PAPAVERINE HCL	papaverine (bulk)
QUINAPRIL HCL	Accupril
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LOSARTAN POTASSIUM	losartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
IRBESARTAN	Avapro
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
QUINAPRIL HCL	quinapril
SACUBITRIL/VALSARTAN	Entresto
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
LOSARTAN POTASSIUM	Cozaar
FOSINOPRIL SODIUM	fosinopril
GUANFACINE HCL	guanfacine
ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE	Amturnide
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	Monopril
ENALAPRIL MALEATE	enalapril maleate
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
VALSARTAN	valsartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	quinapril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	Zestril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	Vaseretic
VALSARTAN	valsartan
VALSARTAN	Diovan
LISINOPRIL	lisinopril
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
OLMESARTAN MEDOXOMIL	Benicar
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	Cozaar
CAPTOPRIL	captopril (bulk)
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN	valsartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	Diovan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
MOEXIPRIL HCL	moexipril
LISINOPRIL	lisinopril
TELMISARTAN/AMLODIPINE BESYLATE	Twynsta
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	quinapril
BENAZEPRIL HCL	benazepril
SPIRONOLACTONE	Aldactone
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
GUANABENZ ACETATE	guanabenz
PAPAVERINE HCL	papaverine (bulk)
IRBESARTAN	irbesartan
VALSARTAN	valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	fosinopril
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FENOLDOPAM MESYLATE	fenoldopam
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN	Diovan
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
TREPROSTINIL SODIUM	Remodulin
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	Vasotec
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL	quinapril
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
CLONIDINE	clonidine
AMLODIPINE BESYLATE/VALSARTAN	Exforge
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
TERAZOSIN HCL	terazosin
RAMIPRIL	ramipril
ENALAPRIL MALEATE	Vasotec
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
TELMISARTAN	telmisartan
VALSARTAN	Diovan
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
RAMIPRIL	Altace
OLMESARTAN MEDOXOMIL	Benicar
PRAZOSIN HCL	prazosin
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	Altace
SILDENAFIL CITRATE	sildenafil
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
RAMIPRIL	ramipril
VALSARTAN	valsartan
METHYLDOPA	methyldopa
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
SACUBITRIL/VALSARTAN	Entresto
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
PHENTOLAMINE MESYLATE	phentolamine
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN	Diovan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
TREPROSTINIL DIOLAMINE	Orenitram
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	irbesartan
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TERAZOSIN HCL	terazosin
NADOLOL/BENDROFLUMETHIAZIDE	nadolol-bendroflumethiazide
CAPTOPRIL	Capoten
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
PRAZOSIN HCL	prazosin
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
RAMIPRIL	ramipril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
SPIRONOLACTONE	spironolactone
VALSARTAN	valsartan
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
HYDRALAZINE HCL	hydralazine
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
SILDENAFIL CITRATE	sildenafil
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
IRBESARTAN	Avapro
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
CLONIDINE HCL	clonidine HCl
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
SACUBITRIL/VALSARTAN	Entresto
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
OLMESARTAN MEDOXOMIL	Benicar
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
PERINDOPRIL ERBUMINE	perindopril erbumine
IRBESARTAN	irbesartan
RAMIPRIL	Altace
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
CAPTOPRIL	captopril (bulk)
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
PRAZOSIN HCL	prazosin
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
DOXAZOSIN MESYLATE	doxazosin
METHYLDOPA	methyldopa
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
EPROSARTAN MESYLATE	Teveten
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
METHYLDOPA	methyldopa
MINOXIDIL	minoxidil
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	Vasotec
VALSARTAN	valsartan
PRAZOSIN HCL	prazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	ramipril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BENAZEPRIL HCL	Lotensin
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN	valsartan
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LOSARTAN POTASSIUM	losartan
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
OLMESARTAN MEDOXOMIL	Benicar
TERAZOSIN HCL	terazosin
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	Cozaar
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
PRAZOSIN HCL	prazosin
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
TELMISARTAN	telmisartan
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CAPTAPRIL	captapril
VALSARTAN	valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
METHYLDOPA	methyldopa
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
RIOCIGUAT	Adempas
HYDRALAZINE HCL	hydralazine
QUINAPRIL HCL	Accupril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
FOSINOPRIL SODIUM	fosinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CAPTAPRIL	captopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/VALSARTAN	Exforge
DOXAZOSIN MESYLATE	Cardura
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
ISOSORBIDE DINITRATE/HYDRALAZINE HCL	BiDil
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL	quinapril
HYDRALAZINE HCL	hydralazine
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	Altace
AMBRISANTAN	Letairis
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
IRBESARTAN	Avapro
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN	telmisartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
BENAZEPRIL HCL	benazepril
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	Vasotec
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN	valsartan
LISINOPRIL	lisinopril
QUINAPRIL HCL	Accupril
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
LISINOPRIL	Zestril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
ILOPROST TROMETHAMINE	Ventavis
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
QUINAPRIL HCL	Accupril
VALSARTAN	Diovan
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN	valsartan
TELMISARTAN	telmisartan
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
VALSARTAN	Diovan
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
EPROSARTAN MESYLATE	eprosartan
CLONIDINE	clonidine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
MINOXIDIL	minoxidil
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
VALSARTAN	Diovan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
QUINAPRIL HCL	quinapril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
VALSARTAN	valsartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
IRBESARTAN	irbesartan
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CLONIDINE	Catapres-TTS-1
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
VALSARTAN	valsartan
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
RAMIPRIL	ramipril
TERAZOSIN HCL	terazosin
IRBESARTAN	irbesartan
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LOSARTAN POTASSIUM	Cozaar
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
SPIRONOLACTONE	spironolactone
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
LISINOPRIL	lisinopril
ISOXSUPRINE HCL	isoxsuprine
CYCLANDELATE	cyclandelate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
VALSARTAN	valsartan
HYDRALAZINE HCL	hydralazine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FENOLDOPAM MESYLATE	Corlopam
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
TRANDOLAPRIL	trandolapril
MECAMYLAMINE HCL	Vecamyl
DOXAZOSIN MESYLATE	Cardura
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
RAMIPRIL	Altace
DIAZOXIDE	diazoxide (bulk)
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
CAPTOPRIL	captopril
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENZAEPRIH HCL	benazepril
AMLODIPINE BESYLATE/BENZAEPRIH HCL	Lotrel
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	Catapres
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
CAPTOPRIL	captopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
OLMESARTAN MEDOXOMIL	Benicar
CLONIDINE HCL	clonidine HCl
GUANFACINE HCL	guanfacine
ENALAPRIL MALEATE	enalapril maleate
ENALAPRILAT DIHYDRATE	enalaprilat
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
OLMESARTAN MEDOXOMIL	Benicar
AMLODIPINE BESYLATE/VALSARTAN	Exforge
LISINOPRIL	Zestril
PERINDOPRIL ERBUMINE	perindopril erbumine
CAPTOPRIL	captopril
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
BOSENTAN	Tracleer
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
PERINDOPRIL ERBUMINE	perindopril erbumine
NYLIDRIN HCL	nylidrin (bulk)
VALSARTAN	valsartan
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
CAPTOPRIL	captopril
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL	lisinopril
MINOXIDIL	minoxidil
CLONIDINE HCL	clonidine HCl
OLMESARTAN MEDOXOMIL	Benicar
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	captopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
VALSARTAN	valsartan
LISINOPRIL	lisinopril
TRANDOLAPRIL	trandolapril
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
VALSARTAN	valsartan
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
RESERPINE	reserpine (bulk)
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
RAMIPRIL	ramipril
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
PAPAVERINE HCL	papaverine (bulk)
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
QUINAPRIL HCL	quinapril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
EPLERENONE	eplerenone
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
METHYLDOPA	methyldopa
CLONIDINE HCL	clonidine HCl
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	Vasotec
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
CAPTAPRIL	captapril
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
NITRIC OXIDE	INOMax
CANDESARTAN CILEXETIL	Atacand
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin
TELMISARTAN	telmisartan
IRBESARTAN	Avapro
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	Lotensin
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
TELMISARTAN	telmisartan
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
VALSARTAN	Diovan
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
RIOCIGUAT	Adempas
CAPTOPRIL	captopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Accuretic
MOEXIPRIL HCL	moexipril
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	Lotensin
IRBESARTAN	irbesartan
RAMIPRIL	ramipril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	Prinzide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	captopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
DOXAZOSIN MESYLATE	doxazosin
ISOXSUPRINE HCL	isoxsuprine HCl (bulk)
SPIRONOLACTONE	spironolactone
OLMESARTAN MEDOXOMIL	Benicar
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL	Zestril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
VALSARTAN	valsartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SACUBITRIL/VALSARTAN	Entresto
SPIRONOLACTONE	spironolactone
PAPAVERINE HCL	papaverine (bulk)
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CAPTOPRIL	captopril (bulk)
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
PRAZOSIN HCL	prazosin
SELEXIPAG	Uptravi

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	fosinopril
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
SILDENAFIL CITRATE	sildenafil
RAMIPRIL	ramipril
VALSARTAN	Diovan
CLONIDINE HCL	clonidine HCl
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
BENAZEPRIL HCL	benazepril
GUANABENZ ACETATE	guanabenz (bulk)
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FOSINOPRIL SODIUM	fosinopril
OLMESARTAN MEDOXOMIL	Benicar
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN	telmisartan
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
GUANABENZ ACETATE	guanabenz (bulk)
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	Cardura
QUINAPRIL HCL	Accupril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
SILDENAFIL CITRATE	sildenafil
CLONIDINE HCL	clonidine HCl
MINOXIDIL	minoxidil
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	Accupril
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	Vasotec
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	fosinopril
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
MINOXIDIL	minoxidil
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	Monopril
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
TREPROSTINIL SODIUM	Remodulin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
SPIRONOLACTONE	spironolactone
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
AZILSARTAN MEDOXOMIL/CHLORTHALIDONE	Edarbyclor
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
VALSARTAN	Diovan
HYDRALAZINE HCL	hydralazine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
NADOLOL/BENDROFLUMETHIAZIDE	nadolol-bendroflumethiazide
BENAZEPRIL HCL	benazepril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL	lisinopril
VALSARTAN	Diovan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
MINOXIDIL	minoxidil
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
PRAZOSIN HCL	prazosin
MOEXIPRIL HCL	Univasc
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
MINOXIDIL	minoxidil
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
IRBESARTAN	irbesartan
VALSARTAN	Diovan
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
TERAZOSIN HCL	Hytrin
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
MOEXIPRIL HCL	Univasc
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
METHYLDOPA	methyldopa
PRAZOSIN HCL	prazosin
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	Monopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FOSINOPRIL SODIUM	fosinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	Capoten
CLONIDINE HCL	clonidine HCl
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
PERINDOPRIL ERBUMINE	perindopril erbumine
LOSARTAN POTASSIUM	Cozaar
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TRANDOLAPRIL	trandolapril
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE HCL	clonidine HCl
GUANFACINE HCL	guanfacine (bulk)
BENAZEPRIL HCL	benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	terazosin
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	irbesartan
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	Accupril
TERAZOSIN HCL	terazosin
GUANFACINE HCL	guanfacine
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
ISOXSUPRINE HCL	isoxsuprine
LOSARTAN POTASSIUM	losartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	Ziac
HYDRALAZINE HCL	hydralazine
NEBIVOLOL HCL/VALSARTAN	Byvalson
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
TRANDOLAPRIL	trandolapril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
GUANFACINE HCL	guanfacine
ALISKIREN HEMIFUMARATE	Tekturna
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	Cozaar
IRBESARTAN	Avapro
PAPAVERINE HCL	Para-Time
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	Prinivil
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
TERAZOSIN HCL	terazosin
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
PAPAVERINE HCL	papaverine (bulk)
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
BENAZEPRIL HCL	Lotensin
TELMISARTAN	telmisartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
RAMIPRIL	Altace
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	Cozaar
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
GUANFACINE HCL	Tenex
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
MOEXIPRIL HCL	moexipril
CLONIDINE HCL	clonidine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
IRBESARTAN	irbesartan
TRANDOLAPRIL	Mavik
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Prinivil
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
TERAZOSIN HCL	terazosin
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
CLONIDINE	clonidine
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Accuretic
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
METHYLDOPA	methyl dopa
LOSARTAN POTASSIUM	Cozaar
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
VALSARTAN	Diovan
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
NITROPRUSSIDE SODIUM	Nitropress
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
NYLIDRIN HCL	nylidrin (bulk)
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL	olmesartan
LOSARTAN POTASSIUM	losartan
FOSINOPRIL SODIUM	Monopril
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
ENALAPRIL MALEATE	Vasotec
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMBRISANTAN	Letairis
HYDRALAZINE HCL	hydralazine
PRAZOSIN HCL	Minipress
HYDRALAZINE HCL	hydralazine
HYDRALAZINE HCL	hydralazine
QUINAPRIL HCL	quinapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ISOXSUPRINE HCL	isoxsuprine
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
ATENOLOL/CHLORTHALIDONE	Tenoretic 100
FOSINOPRIL SODIUM	fosinopril
CAPTAPRIL	captapril
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
AMBRISANTAN	Letairis
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
CAPTAPRIL/HYDROCHLOROTHIAZIDE	captapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	olmesartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin mesylate (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
EPLERENONE	eplerenone
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazide
QUINAPRIL HCL	quinapril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	Accupril
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
METHYLDOPA	methyldopa
AZILSARTAN MEDOXOMIL/CHLORTHALIDONE	Edarbyclor
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
METHYLDOPATE HCL	methyldopate
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	Altace
TERAZOSIN HCL	Hytrin
HYDRALAZINE HCL	hydralazine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
OLMESARTAN MEDOXOMIL	Benicar
PRAZOSIN HCL	prazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	Exforge
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
ENALAPRIL MALEATE	Vasotec
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE	Hydra-Zide
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	Cardura
LISINOPRIL	lisinopril
RESERPINE	reserpine
CAPTOPRIL	captopril
DOXAZOSIN MESYLATE	doxazosin
TERAZOSIN HCL	Hytrin
RAMIPRIL	ramipril
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
MOEXIPRIL HCL	moexipril
ENALAPRIL MALEATE	enalapril maleate
PAPAVERINE HCL	papaverine (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN	Diovan
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
VALSARTAN	valsartan
CAPTOPRIL	Capoten
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
TELMISARTAN	telmisartan
RAMIPRIL	Altace
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	Mavik
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
MINOXIDIL	minoxidil
SPIRONOLACTONE	spironolactone
IRBESARTAN	Avapro
CLONIDINE HCL	clonidine HCl
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
TRANDOLAPRIL	trandolapril
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
TREPROSTINIL DIOLAMINE	Orenitram
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
ISOXSUPRINE HCL	isoxsuprine HCl (bulk)
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
PAPAVERINE HCL	papaverine (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
METHYLDOPA	methyldopa
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
PERINDOPRIL ERBUMINE	Aceon
QUINAPRIL HCL	quinapril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazid
BENAZEPRIL HCL	Lotensin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
EPOPROSTENOL SODIUM (GLYCINE)	Flolan
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
CAPTOPRIL	captopril
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
RAMIPRIL	ramipril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LOSARTAN POTASSIUM	losartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
ENALAPRILAT DIHYDRATE	enalaprilat
PAPAVERINE HCL	papaverine (bulk)
IRBESARTAN	irbesartan
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
BOSENTAN	Tracleer
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
CAPTOPRIL	captopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
GUANFACINE HCL	guanfacine
AMBRISENTAN	Letairis
LISINOPRIL	Prinivil
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
RAMIPRIL	Altace
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
VALSARTAN	valsartan
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	Epaned
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
FOSINOPRIL SODIUM	Monopril
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE	Amturnide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
EPLERENONE	eplerenone
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
MECAMYLAMINE HCL	mecamylamine HCl (bulk)
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
TELMISARTAN	telmisartan
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
ALISKIREN HEMIFUMARATE	Tekturna
RAMIPRIL	Altace
DOXAZOSIN MESYLATE	doxazosin
EPROSARTAN MESYLATE	Teveten
RAMIPRIL	ramipril
EPLERENONE	eplerenone
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
GUANFACINE HCL	guanfacine
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE	propranolol-hydrochlorothiazid
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TELMISARTAN	Micardis
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CANDESARTAN CILEXETIL	Atacand
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
RAMIPRIL	ramipril
EPLERENONE	eplerenone
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	Monopril
BENAZEPRIL HCL	benazepril
TRANDOLAPRIL	trandolapril
RAMIPRIL	Altace
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN	Diovan
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	Vaseretic
GUANFACINE HCL	guanfacine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN	valsartan
BENAZEPRIL HCL	benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	Accupril
SILDENAFIL CITRATE	Revatio
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	trandolapril
FOSINOPRIL SODIUM	fosinopril
PHENTOLAMINE MESYLATE	phentolamine
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
QUINAPRIL HCL	quinapril
RAMIPRIL	ramipril
IRBESARTAN	irbesartan
ILOPROST TROMETHAMINE	Ventavis
LOSARTAN POTASSIUM	losartan
CANDESARTAN CILEXETIL	Atacand
LOSARTAN POTASSIUM	losartan
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
ENALAPRILAT DIHYDRATE	enalaprilat
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	Cozaar
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
PAPAVERINE HCL	papaverine
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
METHYLDOPA	methyldopa
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate (bulk)
RAMIPRIL	ramipril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRILAT DIHYDRATE	enalaprilat
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
BENAZEPRIL HCL	benazepril
RAMIPRIL	Altace
PHENOXYBENZAMINE HCL	phenoxybenzamine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	Hytrin
PAPAVERINE HCL	papaverine (bulk)
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN	Diovan
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
PRAZOSIN HCL	prazosin
AZILSARTAN MEDOXOMIL	Edarbi
RAMIPRIL	ramipril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
MOEXIPRIL HCL	Univasc
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	Cozaar
CLONIDINE HCL	clonidine HCl
TELMISARTAN	telmisartan
TERAZOSIN HCL	terazosin
LISINOPRIL/DIETARY SUPPLEMENT,COMB.10	Lytensopril-90
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	Monopril
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	Zestril
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
RAMIPRIL	Altace
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM	Cozaar
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
CAPTOPRIL	captopril
CLONIDINE HCL	Catapres
METHYLDOPA	methyldopa
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
ENALAPRIL MALEATE	enalapril maleate
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	Ziac
CLONIDINE HCL	clonidine HCL
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	fosinopril
PAPAVERINE HCL	papaverine
LISINOPRIL	lisinopril
PHENTOLAMINE MESYLATE	phentolamine
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	Zestril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
PERINDOPRIL ERBUMINE	Aceon
RESERPINE	reserpine (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
AZILSARTAN MEDOXOMIL	Edarbi
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
CAPTOPRIL	captopril
PERINDOPRIL ERBUMINE	Aceon
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
GUANABENZ ACETATE	guanabenz
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
EPLERENONE	eplerenone
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
DOXAZOSIN MESYLATE	doxazosin
SELEXIPAG	Uptravi
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	Vasotec
BENAZEPRIL HCL	benazepril
HYDRALAZINE HCL	hydralazine
CAPTOPRIL	captopril
BUFLOMEDIL HCL	buflomedil (bulk)
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	Prinivil
TRANDOLAPRIL	trandolapril
HYDRALAZINE HCL	hydralazine
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
TRANDOLAPRIL	trandolapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FENOLDOPAM MESYLATE	fenoldopam
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
METHYLDOPA	methyldopa
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
PRAZOSIN HCL	prazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	ramipril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
IRBESARTAN	irbesartan
TELMISARTAN	telmisartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
TELMISARTAN	telmisartan
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
PAPAVERINE HCL	papaverine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL	olmesartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
RAMIPRIL	Altace
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
CLONIDINE HCL	Catapres
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
EPLERENONE	epplerenone
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
GUANABENZ ACETATE	guanabenz (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate (bulk)
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	Cozaar
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
TRANDOLAPRIL	trandolapril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	Prinivil
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE	Catapres-TTS-2
HYDRALAZINE HCL	hydralazine
RAMIPRIL	Altace
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
RAMIPRIL	Altace
PRAZOSIN HCL	prazosin
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	ramipril
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
TREPROSTINIL DIOLAMINE	Orenitram
TELMISARTAN	telmisartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
IRBESARTAN	Avapro
CLONIDINE	Catapres-TTS-1
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	Vasotec
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
SILDENAFIL CITRATE	Revatio
DOXAZOSIN MESYLATE	doxazosin
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
RAMIPRIL	ramipril
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
ATENOLOL/CHLORTHALIDONE	Tenoretic 50
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
LOSARTAN POTASSIUM	losartan
PHENOXYBENZAMINE HCL	phenoxybenzamine
CAPTOPRIL	captopril
RAMIPRIL	ramipril
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
SPIRONOLACTONE	spironolactone
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE	propranolol-hydrochlorothiazid
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
CLONIDINE HCL	clonidine HCl
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
SPIRONOLACTONE	spironolactone
DIAZOXIDE	diazoxide (bulk)
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
RAMIPRIL	ramipril
VALSARTAN	valsartan
ATENOLOL/CHLORTHALIDONE	Tenoretic 50
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
QUINAPRIL HCL	quinapril
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	Capoten
CANDESARTAN CILEXETIL	Atacand
TRANDOLAPRIL	trandolapril
VALSARTAN	valsartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
EPROSARTAN MESYLATE	Teveten

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
MOEXIPRIL HCL	moexipril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	quinapril
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	quinapril
QUINAPRIL HCL	quinapril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
FOSINOPRIL SODIUM	Monopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
IRBESARTAN	irbesartan
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
IRBESARTAN	irbesartan
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
QUINAPRIL HCL	quinapril
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
RIOCIGUAT	Adempas
QUINAPRIL HCL	quinapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	Avapro
CAPTOPRIL	captopril
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
TRANDOLAPRIL	trandolapril
ILOPROST TROMETHAMINE	Ventavis
SILDENAFIL CITRATE	sildenafil
EPLERENONE	eplerenone
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	Diovan
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
VALSARTAN	valsartan
BENAZEPRIL HCL	benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
DIAZOXIDE	diazoxide (bulk)
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL	Benicar
SPIRONOLACTONE	spironolactone
IRBESARTAN	irbesartan
LISINOPRIL	Prinivil
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	trandolapril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
RAMIPRIL	ramipril
OLMESARTAN MEDOXOMIL	olmesartan
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	Zestril
LOSARTAN POTASSIUM	Cozaar
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM	losartan
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
FENOLDOPAM MESYLATE	fenoldopam
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	trandolapril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
TERAZOSIN HCL	Hytrin
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	quinapril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LISINOPRIL	Zestril
CLONIDINE HCL	clonidine HCl
ALISKIREN HEMIFUMARATE/AMLODIPINE BESYLATE	Tekamlo
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
LOSARTAN POTASSIUM	losartan
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CAPTOPRIL	captopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
BENZAEPRIIL HCL	Lotensin
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN	telmisartan
MECAMYLAMINE HCL	Inversine
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril
EPLERENONE	Inspra
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
TERAZOSIN HCL	terazosin
HYDRALAZINE HCL	hydralazine
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
GUANFACINE HCL	guanfacine
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
TELMISARTAN	telmisartan
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
CANDESARTAN CILEXETIL	Atacand
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN	valsartan
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
IRBESARTAN	irbesartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
TERAZOSIN HCL	terazosin
VALSARTAN	Diovan
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LISINOPRIL	Zestril
DOXAZOSIN MESYLATE	Cardura
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
NITROPRUSSIDE SODIUM	Nitropress
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
FOSINOPRIL SODIUM	fosinopril
TERAZOSIN HCL	terazosin
QUINAPRIL HCL	Accupril
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
QUINAPRIL HCL	quinapril
PRAZOSIN HCL	Minipress
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/VALSARTAN	Exforge
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	valsartan
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril (bulk)
BENAZEPRIL HCL	Lotensin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
PRAZOSIN HCL	Minipress
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	Accupril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
CAPTOPRIL	Capoten
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TERAZOSIN HCL	terazosin
TELMISARTAN	telmisartan
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
GUANFACINE HCL	guanfacine
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate (bulk)
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
CAPTOPRIL	captopril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Accuretic
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
QUINAPRIL HCL	quinapril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	metoprolol su-hydrochlorothiaz
CAPTOPRIL	captopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
CANDESARTAN CILEXETIL	Atacand
METHYLDOPA	methyldopa
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
SILDENAFIL CITRATE	sildenafil
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN	Diovan
LOSARTAN POTASSIUM	Cozaar
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	Ziac
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
CAPTOPRIL	captopril
METHYLDOPA	methyldopa
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	quinapril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRANDOLAPRIL	trandolapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BOSENTAN	Tracleer
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
TRANDOLAPRIL	Mavik
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CAPTAPRIL	captopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	Cozaar
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
PAPAVERINE HCL	papaverine
EPOPROSTENOL SODIUM (ARGININE)	Velettri
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TADALAFIL	Adcirca
DOXAZOSIN MESYLATE	doxazosin
CAPTAPRIL	captopril
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
TELMISARTAN	Micardis
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM	Cozaar
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
SILDENAFIL CITRATE	sildenafil
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SPIRONOLACTONE	spironolactone
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	Vasotec
LOSARTAN POTASSIUM	Cozaar
VALSARTAN	Diovan
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
BENAZEPRIL HCL	benazepril
PRAZOSIN HCL	prazosin
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
QUINAPRIL HCL	quinapril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
TELMISARTAN	telmisartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
SELEXIPAG	Uptravi
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
PERINDOPRIL ERBUMINE	Aceon
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
OLMESARTAN MEDOXOMIL	Benicar
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
VALSARTAN	Diovan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril (bulk)
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
VALSARTAN	valsartan
LISINOPRIL	lisinopril
SELEXIPAG	Upravi
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CLONIDINE	Catapres-TTS-1
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
ALISKIREN HEMIFUMARATE	Tekturna

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	fosinopril
IRBESARTAN	Avapro
VALSARTAN	valsartan
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
IRBESARTAN	Avapro
CAPTOPRIL	captopril
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
LOSARTAN POTASSIUM	losartan
RIOCIGUAT	Adempas
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
METHYLDOPA/HYDROCHLOROTHIAZIDE	methyldopa-hydrochlorothiazide
RAMIPRIL	ramipril
TERAZOSIN HCL	terazosin
RAMIPRIL	ramipril
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN	Avapro
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CAPTOPRIL	captopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
PAPAVERINE HCL	papaverine
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	Altace
LISINOPRIL	lisinopril
CYCLANDELATE	cyclandelate
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CANDESARTAN CILEXETIL	candesartan
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CANDESARTAN CILEXETIL	candesartan
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
ENALAPRIL MALEATE	enalapril maleate
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
FOSINOPRIL SODIUM	fosinopril
SPIRONOLACTONE	Aldactone
VALSARTAN	Diovan
LISINOPRIL	lisinopril
CLONIDINE	clonidine
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
RAMIPRIL	Altace
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
OLMESARTAN MEDOXOMIL	Benicar
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	olmesartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
BENAZEPRIL HCL	benazepril
RAMIPRIL	ramipril
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL	lisinopril
RIOCIGUAT	Adempas
QUINAPRIL HCL	quinapril
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM	losartan
METHYLDOPA	methyldopa
QUINAPRIL HCL	Accupril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
LISINOPRIL	Prinivil
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
HYDRALAZINE HCL	hydralazine
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
SPIRONOLACTONE	spironolactone
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
CAPTOPRIL	captopril
LOSARTAN POTASSIUM	losartan
RESERPINE	reserpine (bulk)
ENALAPRIL MALEATE	Vasotec
HYDRALAZINE HCL	hydralazine
MINOXIDIL	minoxidil
CLONIDINE HCL	clonidine HCl
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	Zestril
PAPAVERINE HCL	papaverine
RIOCIGUAT	Adempas
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/FELODIPINE	Lexxel
LISINOPRIL	lisinopril
MOEXIPRIL HCL	Univasc
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	fosinopril
AMLODIPINE BESYLATE/VALSARTAN	Exforge
FOSINOPRIL SODIUM	fosinopril
TERAZOSIN HCL	terazosin
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	Altace
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	Prinivil
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
CAPTOPRIL	captopril
LOSARTAN POTASSIUM	losartan
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
VALSARTAN	Diovan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	Catapres-TTS-3
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
CLONIDINE	Catapres-TTS-2
LISINOPRIL	Zestril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
MINOXIDIL	minoxidil
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN	valsartan
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL	olmesartan
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
TRANDOLAPRIL	trandolapril
ISOXSUPRINE HCL	isoxsuprine HCl (bulk)
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
GUANFACINE HCL	guanfacine
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
TERAZOSIN HCL	terazosin
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
EPROSARTAN MESYLATE	Teveten
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
SACUBITRIL/VALSARTAN	Entresto
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL	quinapril
DOXAZOSIN MESYLATE	Cardura
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL	olmesartan
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
FOSINOPRIL SODIUM	Monopril
LOSARTAN POTASSIUM	Cozaar
METHYLDOPA/HYDROCHLOROTHIAZIDE	methyldopa-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	Prinivil
LISINOPRIL	lisinopril
CAPTOPRIL	captopril (bulk)
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	Cozaar

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRANDOLAPRIL	trandolapril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
OLMESARTAN MEDOXOMIL	Benicar
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
IRBESARTAN	irbesartan
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
HYDRALAZINE HCL	hydralazine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SILDENAFIL CITRATE	sildenafil
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
PRAZOSIN HCL	prazosin
LOSARTAN POTASSIUM	Cozaar
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE	propranolol-hydrochlorothiazid
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRILAT DIHYDRATE	enalaprilat
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
LISINOPRIL	lisinopril
CAPTAPRIL	captopril
QUINAPRIL HCL	quinapril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
SPIRONOLACTONE	Aldactone
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
DOXAZOSIN MESYLATE	Cardura
TELMISARTAN/AMLODIPINE BESYLATE	Twynsta
IRBESARTAN	Avapro
VALSARTAN	valsartan
VALSARTAN	valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
TERAZOSIN HCL	Hytrin
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
IRBESARTAN	irbesartan
DIAZOXIDE	diazoxide (bulk)
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
OLMESARTAN MEDOXOMIL	Benicar
SACUBITRIL/VALSARTAN	Entresto
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	Cozaar
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
QUINAPRIL HCL	quinapril
SPIRONOLACTONE	Aldactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	Mavik
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
PAPAVERINE HCL	papaverine (bulk)
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE/FELODIPINE	Lexxel
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	trandolapril
IRBESARTAN	irbesartan
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
PAPAVERINE HCL	papaverine (bulk)
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Qbrelis

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	Altace
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
PERINDOPRIL ERBUMINE	Aceon
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL	Zestril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CLONIDINE HCL	clonidine HCl
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
TRANDOLAPRIL	trandolapril
CAPTAPRIL	captapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
LISINOPRIL	lisinopril
DIAZOXIDE	diazoxide (bulk)
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
ALISKIREN HEMIFUMARATE	Tekturna
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
IRBESARTAN	irbesartan
AZILSARTAN MEDOXOMIL	Edarbi
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN	valsartan
FOSINOPRIL SODIUM	fosinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	Zestril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CAPTOPRIL	captopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
ILOPROST TROMETHAMINE	Ventavis
HYDRALAZINE HCL	hydralazine
FENOLDOPAM MESYLATE	fenoldopam
LOSARTAN POTASSIUM	losartan
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
PAPAVERINE HCL	papaverine (bulk)
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CAPTOPRIL	captopril
SPIRONOLACTONE	spironolactone
QUINAPRIL HCL	quinapril
SPIRONOLACTONE	spironolactone
QUINAPRIL HCL	Accupril
DOXAZOSIN MESYLATE	doxazosin
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
MOEXIPRIL HCL	moexipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate (bulk)
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM	Cozaar
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	Lotensin
METYROSINE	Demser
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
FOSINOPRIL SODIUM	fosinopril
METHYLDOPA	methyldopa
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
SELEXIPAG	Uptravi
VALSARTAN	valsartan
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
OLMESARTAN MEDOXOMIL	olmesartan
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
RAMIPRIL	Altace
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
METHYLDOPA	methyldopa
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TERAZOSIN HCL	terazosin
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
NITRIC OXIDE	INOmax
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	quinapril
METHYLDOPA	methyldopa
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FOSINOPRIL SODIUM	fosinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	Ziac
LISINOPRIL	lisinopril
ILOPROST TROMETHAMINE	Ventavis
FOSINOPRIL SODIUM	fosinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
MOEXIPRIL HCL	Univasc
ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE	Amturnide
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
OLMESARTAN MEDOXOMIL	Benicar
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
PRAZOSIN HCL	prazosin
QUINAPRIL HCL	quinapril
SPIRONOLACTONE	spironolactone
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BENAZEPRIL HCL	benazepril
HYDRALAZINE HCL	hydralazine
TELMISARTAN	telmisartan
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
TERAZOSIN HCL	terazosin
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
CANDESARTAN CILEXETIL	Atacand
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	Prinivil
FOSINOPRIL SODIUM	Monopril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
TERAZOSIN HCL	terazosin
SELEXIPAG	Uptravi
LISINOPRIL	lisinopril
ISOXSUPRINE HCL	isoxsuprine
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
IRBESARTAN	irbesartan
CYCLANDELATE	cyclandelate
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
RAMIPRIL	Altace
ALISKIREN HEMIFUMARATE/AMLODIPINE BESYLATE	Tekamlo
DOXAZOSIN MESYLATE	doxazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
EPOPROSTENOL SODIUM (ARGININE)	Veletri
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	Accupril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	Vasotec
FOSINOPRIL SODIUM	fosinopril
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
PERINDOPRIL ERBUMINE	perindopril erbumine
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CLONIDINE HCL	clonidine HCL
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
VALSARTAN	Diovan
OLMESARTAN MEDOXOMIL	olmesartan
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	captopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
VALSARTAN	valsartan
LISINOPRIL	lisinopril
VALSARTAN	valsartan
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL	olmesartan
EPLERENONE	Inspira
DOXAZOSIN MESYLATE	doxazosin
PAPAVERINE HCL	papaverine (bulk)
CAPTOPRIL	Capoten
VALSARTAN	valsartan
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
RIOCIGUAT	Adempas
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	Prinzide
VALSARTAN	Diovan
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
CAPTOPRIL	captopril
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CYCLANDELATE	cyclandelate
EPOPSTENOL SODIUM (GLYCINE)	Flolan
ALISKIREN HEMIFUMARATE	Tekturna
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
FOSINOPRIL SODIUM	Monopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	Cozaar
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	Zestril
DIAZOXIDE	diazoxide (bulk)
SPIRONOLACTONE	spironolactone
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	fosinopril
SILDENAFIL CITRATE	sildenafil
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
GUANFACINE HCL	guanfacine
VALSARTAN	Diovan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
CANDESARTAN CILEXETIL	candesartan
DOXAZOSIN MESYLATE	doxazosin
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
PERINDOPRIL ARGININE/AMLODIPINE BESYLATE	Prestalia
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TELMISARTAN	telmisartan
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
LISINOPRIL	lisinopril
TRANDOLAPRIL	trandolapril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
HYDRALAZINE HCL	hydralazine
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	valsartan
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
LISINOPRIL	lisinopril
VALSARTAN	valsartan
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	ramipril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TERAZOSIN HCL	terazosin
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BENAZEPRIL HCL	benazepril
EPLERENONE	Inspra
CAPTOPRIL	captopril
VALSARTAN	Diovan
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
METHYLDOPA/HYDROCHLOROTHIAZIDE	methyldopa-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
RAMIPRIL	Altace
CAPTOPRIL	Capoten
TELMISARTAN	telmisartan
HYDRALAZINE HCL	hydralazine
OLMESARTAN MEDOXOMIL	Benicar
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	clonidine
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
RAMIPRIL	Altace
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
CLONIDINE	clonidine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
SPIRONOLACTONE	spironolactone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
TREPROSTINIL/NEBULIZER AND ACCESSORIES	Tyvaso Starter Kit
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
BENAZEPRIL HCL	benazepril
RAMIPRIL	ramipril
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL	Benicar
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
RAMIPRIL	ramipril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
TRANDOLAPRIL	trandolapril
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN	valsartan
HYDRALAZINE HCL	hydralazine
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	losartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
SELEXIPAG	Uptravi
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	Lotensin
RAMIPRIL	Altace
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
ENALAPRILAT DIHYDRATE	enalaprilat
TREPROSTINIL DIOLAMINE	Orenitram
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
TOLAZOLINE HCL	tolazoline (bulk)
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	Catapres-TTS-1
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
CAPTOPRIL	captopril
PHENOXYBENZAMINE HCL	Dibenzyliline
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN	Diovan
ENALAPRIL MALEATE	enalapril maleate
EPLERENONE	eplerenone
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
OLMESARTAN MEDOXOMIL	olmesartan
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL	Benicar

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
CLONIDINE	clonidine
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
GUANFACINE HCL	guanfacine
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
PRAZOSIN HCL	prazosin
SPIRONOLACTONE	spironolactone
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
QUINAPRIL HCL	Accupril
LOSARTAN POTASSIUM	Cozaar
QUINAPRIL HCL	quinapril
LISINOPRIL	Prinivil
QUINAPRIL HCL	Accupril
HYDRALAZINE HCL	hydralazine
ISOXSUPRINE HCL	isoxsuprine
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	Lotensin
OLMESARTAN MEDOXOMIL	Benicar
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE HCL	clonidine HCl
VALSARTAN	Diovan
QUINAPRIL HCL	quinapril
OLMESARTAN MEDOXOMIL	Benicar

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	clonidine
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	ramipril
VALSARTAN	Diovan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
RAMIPRIL	ramipril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	Catapres-TTS-2
SPIRONOLACTONE	spironolactone
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
VALSARTAN	valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	Monopril HCT
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
PAPAVERINE HCL	papaverine (bulk)
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LOSARTAN POTASSIUM	losartan
TREPROSTINIL/NEBULIZER ACCESSORIES	Tyvaso Refill Kit
VALSARTAN	valsartan
RAMIPRIL	ramipril
PAPAVERINE HCL	papaverine (bulk)
CAPTOPRIL	captopril
QUINAPRIL HCL	quinapril
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CAPTOPRIL	captopril
LISINOPRIL	Prinivil
CAPTOPRIL	Capoten
LISINOPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
PAPAVERINE HCL	papaverine (bulk)
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	Diovan
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazide
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	Cardura
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	Vasotec
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
TRANDOLAPRIL	trandolapril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	Cardura XL
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL	Zestril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
VALSARTAN	valsartan
SPIRONOLACTONE	Aldactone
LOSARTAN POTASSIUM	Cozaar
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	quinapril
FOSINOPRIL SODIUM	fosinopril
GUANFACINE HCL	guanfacine
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
GUANFACINE HCL	guanfacine
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
EPROSARTAN MESYLATE	Teveten
PERINDOPRIL ERBUMINE	Aceon
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
CLONIDINE HCL	clonidine HCl
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
TRANDOLAPRIL	trandolapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
EPLERENONE	Inspira
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LISINOPRIL	lisinopril
LISINOPRIL	Prinivil
ENALAPRIL MALEATE	Vasotec
CANDESARTAN CILEXETIL	Atacand
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
SILDENAFIL CITRATE	sildenafil
RAMIPRIL	ramipril
CLONIDINE	clonidine
LISINOPRIL	Zestril
QUINAPRIL HCL	quinapril
CAPTOPRIL	captopril
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
NITROPRUSSIDE SODIUM	Nitropress
EPLERENONE	Inspra
QUINAPRIL HCL	quinapril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
FENOLDOPAM MESYLATE	Corlopam
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	Vaseretic
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
IRBESARTAN	irbesartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
IRBESARTAN	Avapro
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	Vasotec
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	Vasotec
CAPTOPRIL	captopril
TOLAZOLINE HCL	tolazoline (bulk)
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
CANDESARTAN CILEXETIL	Atacand
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
TRANDOLAPRIL	trandolapril
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril
BENZAEPRIIL HCL	Lotensin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RESERPINE	reserpine
CLONIDINE	Catapres-TTS-1
MECAMYLAMINE HCL	Vecamyl
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
PAPAVERINE HCL	papaverine (bulk)
ENALAPRIL MALEATE	enalapril maleate
FOSINOPRIL SODIUM	Monopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CAPTOPRIL	captopril
EPROSARTAN MESYLATE	Teveten
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
RAMIPRIL	ramipril
LISINOPRIL	Zestril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
TRANDOLAPRIL	trandolapril
IRBESARTAN	Avapro
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	Mavik
TERAZOSIN HCL	Hytrin
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TREPROSTINIL DIOLAMINE	Orenitram
LISINOPRIL	lisinopril
CAPTAPRIL	captopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
ATENOLOL/CHLORTHALIDONE	Tenoretic 100
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
EPLERENONE	eplerenone
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LISINOPRIL	lisinopril
EPLERENONE	Inspira
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
FOSINOPRIL SODIUM	fosinopril
RIOCIGUAT	Adempas
BENAZEPRIL HCL	Lotensin
LOSARTAN POTASSIUM	losartan
RAMIPRIL	Altace
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
RAMIPRIL	ramipril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ISOXSUPRINE HCL	isoxsuprine
QUINAPRIL HCL	quinapril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiazid
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
PAPAVERINE HCL	papaverine (bulk)
LOSARTAN POTASSIUM	losartan
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	Zestril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
IRBESARTAN	irbesartan
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate
EPROSARTAN MESYLATE	Teveten
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
GUANFACINE HCL	guanfacine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	Prinivil
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN	valsartan
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
EPLERENONE	Inspra
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	Prinivil
TERAZOSIN HCL	terazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
HYDRALAZINE HCL	hydralazine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
CLONIDINE HCL	clonidine HCl
CAPTOPRIL/HYDROCHLOROTHIAZIDE	Capozide
CLONIDINE HCL	clonidine HCl
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
ENALAPRILAT DIHYDRATE	enalaprilat
METYROSINE	Demser
LISINOPRIL	Prinivil
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
DOXAZOSIN MESYLATE	doxazosin
MOEXIPRIL HCL	Univasc
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
MOEXIPRIL HCL	moexipril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	Accupril
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
PRAZOSIN HCL	prazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN	Micardis
EPROSARTAN MESYLATE	Teveten
VALSARTAN	Diovan
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
ENALAPRIL MALEATE	Vasotec
TERAZOSIN HCL	terazosin
PAPAVERINE HCL	Para-Time
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
PAPAVERINE HCL	papaverine (bulk)
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENZAEPRIH HCL	benazepril
VALSARTAN	Diovan
DIAZOXIDE	diazoxide (bulk)
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	candesartan
ISOXSUPRINE HCL	isoxsuprine
SPIRONOLACTONE	spironolactone
VALSARTAN	Diovan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENZAEPRIH HCL	benazepril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
BENZAEPRIH HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM	Cozaar
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
CANDESARTAN CILEXETIL	candesartan
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
PAPAVERINE HCL	papaverine (bulk)
CANDESARTAN CILEXETIL	Atacand
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
CLONIDINE HCL	clonidine HCl
NITRIC OXIDE	INOMax
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
EPLERENONE	eplerenone
PRAZOSIN HCL	prazosin
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TRANDOLAPRIL	trandolapril
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
DOXAZOSIN MESYLATE	doxazosin
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
DIAZOXIDE	diazoxide (bulk)
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
PRAZOSIN HCL	prazosin
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	Hytrin
PRAZOSIN HCL	prazosin
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
DOXAZOSIN MESYLATE	Cardura
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	Vasotec
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	Minipress
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE HCL	clonidine HCl
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM	losartan
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	Hytrin
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN	Avapro
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL	Prinivil
HYDRALAZINE HCL	hydralazine
METHYLDOPA	methyldopa
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
EPLERENONE	eplerenone
METHYLDOPA	methyldopa
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
IRBESARTAN	irbesartan
VALSARTAN	valsartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
TERAZOSIN HCL	terazosin
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
PAPAVERINE HCL	papaverine
QUINAPRIL HCL	quinapril
GUANFACINE HCL	guanfacine
AMBRISENTAN	Letairis
CAPTOPRIL	captopril
RAMIPRIL	ramipril
VALSARTAN	valsartan
LISINOPRIL	lisinopril
HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE	Hydra-Zide
LOSARTAN POTASSIUM	losartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
CLONIDINE HCL	Catapres
LOSARTAN POTASSIUM	losartan
CAPTOPRIL	captopril
VALSARTAN	Diovan
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Prinivil
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
EPOPROSTENOL SODIUM (ARGININE)	Veletri
FOSINOPRIL SODIUM	Monopril
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BENAZEPRIL HCL	benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE	clonidine
DOXAZOSIN MESYLATE	doxazosin
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
RAMIPRIL	Altace
LISINOPRIL	Zestril
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
TERAZOSIN HCL	terazosin
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
PRAZOSIN HCL	prazosin
MOEXIPRIL HCL	Univasc
CAPTOPRIL	captopril
CAPTOPRIL	captopril
SPIRONOLACTONE	spironolactone
DIAZOXIDE	diazoxide (bulk)
RAMIPRIL	Altace
TELMISARTAN	telmisartan
VALSARTAN	valsartan
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
FOSINOPRIL SODIUM	Monopril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRILAT DIHYDRATE	enalaprilat
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
ISOXSUPRINE HCL	isoxsuprine
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
RAMIPRIL	ramipril
DOXAZOSIN MESYLATE	doxazosin
SILDENAFIL CITRATE	sildenafil
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	valsartan
SPIRONOLACTONE	Aldactone
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
RAMIPRIL	ramipril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	clonidine
LISINOPRIL	lisinopril
NADOLOL/BENDROFLUMETHIAZIDE	nadolol-bendroflumethiazide
LOSARTAN POTASSIUM	Cozaar
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	Vasotec
IRBESARTAN	Avapro
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
EPROSARTAN MESYLATE	Teveten
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
IRBESARTAN	Avapro
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	ramipril
ENALAPRILAT DIHYDRATE	enalaprilat
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
ENALAPRIL MALEATE	enalapril maleate
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	Zestril
RAMIPRIL	ramipril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
TREPROSTINIL/NEBULIZER AND ACCESSORIES	Tyvaso Institutional Start Kit
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
VALSARTAN	Diovan
TRANDOLAPRIL	trandolapril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	Vasotec
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM	losartan
TREPROSTINIL DIOLAMINE	Orenitram
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
TELMISARTAN	telmisartan
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	Monopril
QUINAPRIL HCL	Accupril
VALSARTAN	Diovan
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
PRAZOSIN HCL	prazosin
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
TOLAZOLINE HCL	tolazoline (bulk)
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
LISINOPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
HYDRALAZINE HCL/HYDROCHLOROTHIAZIDE	Hydra-Zide
QUINAPRIL HCL	quinapril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
RAMIPRIL	Altace
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	candesartan
PRAZOSIN HCL	prazosin
DOXAZOSIN MESYLATE	Cardura
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINAPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	Mavik
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
LISINAPRIL	lisinopril
LISINAPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN	Diovan
LISINAPRIL	lisinopril
CLONIDINE	clonidine
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
VALSARTAN	Diovan
QUINAPRIL HCL	quinapril
HYDRALAZINE HCL	hydralazine
HYDRALAZINE HCL	hydralazine
RAMIPRIL	ramipril
VALSARTAN	valsartan
RAMIPRIL	ramipril
FOSINOPRIL SODIUM	fosinopril
LISINAPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINAPRIL	lisinopril
TREPROSTINIL DIOLAMINE	Orenitram
PRAZOSIN HCL	prazosin
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
LISINAPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN	Diovan
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	Cozaar
CAPTAPRIL	captapril
PRAZOSIN HCL	prazosin
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	Aldactone
BENZAEPRIIL HCL	benazepril
LISINAPRIL	lisinopril
SPIRONOLACTONE	spironolactone
BENZAEPRIIL HCL	benazepril
PAPAVERINE HCL	papaverine (bulk)
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
MACITENTAN	Opsumit
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SPIRONOLACTONE	spironolactone
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
SACUBITRIL/VALSARTAN	Entresto
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
OLMESARTAN MEDOXOMIL	Benicar
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
METHYLDOPA/HYDROCHLOROTHIAZIDE	methyldopa-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril
HYDRALAZINE HCL	hydralazine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
MOEXIPRIL HCL	moexipril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
TERAZOSIN HCL	terazosin
VALSARTAN	valsartan
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
ALISKIREN HEMIFUMARATE/AMLODIPINE BESYLATE	Tekamlo
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
PRAZOSIN HCL	prazosin
TERAZOSIN HCL	terazosin
PAPAVERINE HCL	papaverine (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	ramipril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CAPTOPRIL	captopril
FOSINOPRIL SODIUM	fosinopril
PRAZOSIN HCL	Minipress
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
ENALAPRILAT DIHYDRATE	enalaprilat
CLONIDINE	clonidine
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	Lotensin
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE	Catapres-TTS-2
METHYLDOPA	methyldopa
TRANDOLAPRIL	trandolapril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
HYDRALAZINE HCL	hydralazine
OLMESARTAN MEDOXOMIL	Benicar
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
PRAZOSIN HCL	prazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAPAVERINE HCL	Para-Time
LISINOPRIL	lisinopril
TERAZOSIN HCL	Hytrin
QUINAPRIL HCL	quinapril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
TELMISARTAN	telmisartan
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CAPTOPRIL	Capoten
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	Vasotec
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
MINOXIDIL	minoxidil
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
TREPROSTINIL SODIUM	Remodulin
PAPAVERINE HCL	papaverine (bulk)
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TERAZOSIN HCL	terazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINAPRIL HCL	quinapril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	Monopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	Monopril HCT
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CYCLANDELATE	cyclandelate
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
SELEXIPAG	Uptravi
LOSARTAN POTASSIUM	losartan
TRANDOLAPRIL	trandolapril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
EPLERENONE	eplerenone
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE	Inderide
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
SILDENAFIL CITRATE	sildenafil
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
CLONIDINE	clonidine
LOSARTAN POTASSIUM	losartan
MINOXIDIL	minoxidil
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	Capoten
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
IRBESARTAN	irbesartan
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
TRANDOLAPRIL	trandolapril
CLONIDINE HCL	clonidine HCl
PAPAVERINE HCL	papaverine (bulk)
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
ENALAPRILAT DIHYDRATE	enalaprilat
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Zestril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
HYDRALAZINE HCL	hydralazine
RAMIPRIL	ramipril
RIOCIGUAT	Adempas
LOSARTAN POTASSIUM	losartan
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
EPOPROSTENOL SODIUM (GLYCINE)	epoprostenol (glycine)
LISINOPRIL	lisinopril
VALSARTAN	Diovan
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
RAMIPRIL	ramipril
CAPTOPRIL	captopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	benazepril
CANDESARTAN CILEXETIL	Atacand
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
EPROSARTAN MESYLATE	Teveten
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
METHYLDOPA	methyl dopa
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
METHYLDOPA	methyl dopa
BENAZEPRIL HCL	benazepril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
SELEXIPAG	Upravi
CAPTOPRIL	captopril
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
VALSARTAN	valsartan
CLONIDINE HCL	clonidine HCl
VALSARTAN	Diovan
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TRANDOLAPRIL	trandolapril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
IRBESARTAN	Avapro
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Zestril
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
ISOSORBIDE DINITRATE/HYDRALAZINE HCL	BiDil
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
QUINAPRIL HCL	Accupril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
QUINAPRIL HCL	quinapril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
VALSARTAN	valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
MINOXIDIL	minoxidil
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
RESERPINE	reserpine (bulk)
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM	losartan
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	Prinivil
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
MINOXIDIL	minoxidil
EPLERENONE	eplerenone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CAPTOPRIL	captopril
CLONIDINE	clonidine
VALSARTAN	valsartan
RAMIPRIL	ramipril
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
QUINAPRIL HCL	quinapril
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
VALSARTAN	Diovan
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
FENOLDOPAM MESYLATE	fenoldopam
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
GUANFACINE HCL	guanfacine
CAPTOPRIL	captopril
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
IRBESARTAN	irbesartan
IRBESARTAN	Avapro
VALSARTAN	Diovan
SACUBITRIL/VALSARTAN	Entresto
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINAPRIL HCL	quinapril
FOSINOPRIL SODIUM	Monopril
CLONIDINE	Catapres-TTS-3
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN	valsartan
RAMIPRIL	ramipril
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
CANDESARTAN CILEXETIL	candesartan
MINOXIDIL	minoxidil
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	Nexiclon XR
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
PERINDOPRIL ERBUMINE	Aceon
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
LOSARTAN POTASSIUM	losartan
ALISKIREN HEMIFUMARATE	Tekturna
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
MINOXIDIL	minoxidil
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	Monopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
IRBESARTAN	Avapro
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	captopril (bulk)
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SPIRONOLACTONE	spironolactone
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	olmesartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril (bulk)
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TERAZOSIN HCL	terazosin
PROPRANOLOL HCL/HYDROCHLOROTHIAZIDE	propranolol-hydrochlorothiazid
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	amlodipine-olmesartan
RAUWOLFIA SERPENTINA	rauwolfia serpentina (bulk)
FOSINOPRIL SODIUM	fosinopril
HYDRALAZINE HCL	hydralazine
TERAZOSIN HCL	terazosin
VALSARTAN	valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN	valsartan
TERAZOSIN HCL	terazosin
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
IRBESARTAN	Avapro
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
PAPAVERINE HCL	papaverine (bulk)
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
IRBESARTAN	Avapro
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
GUANFACINE HCL	guanfacine
EPLERENONE	Inspra
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SILDENAFIL CITRATE	sildenafil
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TRANDOLAPRIL	trandolapril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	Cozaar
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
METHYLDOPA	methyldopa
BENAZEPRIL HCL	benazepril
SPIRONOLACTONE	spironolactone
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
BENAZEPRIL HCL	benazepril
AMBRISENTAN	Letairis
MINOXIDIL	minoxidil
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
OLMESARTAN MEDOXOMIL	Benicar
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
VALSARTAN	Diovan
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
NITRIC OXIDE	INOmax
LISINOPRIL	lisinopril
VALSARTAN	Diovan
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
TELMISARTAN	Micardis
NYLIDRIN HCL	nylidrin (bulk)
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	Nexiclon XR
TRANDOLAPRIL	Mavik
LISINOPRIL	lisinopril
PAPAVERINE HCL	papaverine (bulk)
VALSARTAN	Diovan
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
TRANDOLAPRIL	Mavik
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
BENAZEPRIL HCL	Lotensin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	Prinzide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
QUINAPRIL HCL	quinapril
DOXAZOSIN MESYLATE	doxazosin
PERINDOPRIL ERBUMINE	perindopril erbumine
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
QUINAPRIL HCL	Accupril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
VALSARTAN	valsartan
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	Vasotec
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
QUINAPRIL HCL	Accupril
CAPTOPRIL	Capoten
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN	valsartan
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
SPIRONOLACTONE	spironolactone
VALSARTAN	valsartan
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	Vaseretic
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
CLONIDINE HCL	clonidine HCl
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	Micardis HCT
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL	Benicar
EPLERENONE	epplerenone
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
MOEXIPRIL HCL	Univasc
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LISINOPRIL	lisinopril
VALSARTAN	Diovan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
MACITENTAN	Opsumit
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	Lotensin
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
HYDRALAZINE HCL	hydralazine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DOXAZOSIN MESYLATE	doxazosin
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	olmesartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
OLMESARTAN MEDOXOMIL	Benicar
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
MINOXIDIL	minoxidil
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
CLONIDINE	Catapres-TTS-1
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	Altace
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
RAMIPRIL	ramipril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM	losartan
VALSARTAN	Diovan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	Prinzide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CANDESARTAN CILEXETIL	candesartan
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
CLONIDINE HCL	clonidine HCl
ALISKIREN/VALSARTAN	Valturna
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LOSARTAN POTASSIUM	losartan
FOSINOPRIL SODIUM	Monopril
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
GUANFACINE HCL	guanfacine
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
CAPTOPRIL	captopril
TERAZOSIN HCL	terazosin
CAPTOPRIL	captopril
LISINOPRIL	Zestril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate (bulk)
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
RAMIPRIL	Altace
SILDENAFIL CITRATE	sildenafil
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN	valsartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TRANDOLAPRIL	trandolapril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
RAMIPRIL	ramipril
PERINDOPRIL ERBUMINE	perindopril erbumine
SILDENAFIL CITRATE	sildenafil
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	Capoten
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate (bulk)
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
TRANDOLAPRIL	trandolapril
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
RIOCIGUAT	Adempas
LISINOPRIL	lisinopril
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
VALSARTAN	valsartan
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate (bulk)
EPLERENONE	eplerenone
QUINAPRIL HCL	Accupril
BENAZEPRIL HCL	benazepril
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
FOSINOPRIL SODIUM	fosinopril
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
RIOCIGUAT	Adempas
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	terazosin
SILDENAFIL CITRATE	sildenafil
GUANFACINE HCL	guanfacine
BOSENTAN	Tracleer
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
PHENTOLAMINE MESYLATE	phentolamine
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
LISINOPRIL	Prinivil
MOEXIPRIL HCL	moexipril
FOSINOPRIL SODIUM	fosinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	Zestril
FOSINOPRIL SODIUM	Monopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
QUINAPRIL HCL	quinapril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
CAPTOPRIL	captopril
PRAZOSIN HCL	prazosin
SILDENAFIL CITRATE	sildenafil
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM	losartan
OLMESARTAN MEDOXOMIL	Benicar
CAPTOPRIL	captopril
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
PRAZOSIN HCL	prazosin
TERAZOSIN HCL	terazosin
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LOSARTAN POTASSIUM	Cozaar
ENALAPRIL MALEATE	enalapril maleate
QUINAPRIL HCL	quinapril
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
IRBESARTAN	irbesartan
TERAZOSIN HCL	terazosin
CYCLANDELATE	cyclandelate
CANDESARTAN CILEXETIL	Atacand
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENZAEPRIH HCL	benazepril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
CAPTOPRIL	captopril
CLONIDINE HCL	Catapres
ALISKIREN HEMIFUMARATE	Tekturna
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazid
SILDENAFIL CITRATE	sildenafil
CANDESARTAN CILEXETIL	Atacand
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
CAPTOPRIL/HYDROCHLOROTHIAZIDE	captopril-hydrochlorothiazide
MINOXIDIL	minoxidil
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	Prinivil
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN	irbesartan
TERAZOSIN HCL	terazosin
QUINAPRIL HCL	Accupril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
QUINAPRIL HCL	quinapril
IRBESARTAN	irbesartan
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
EPLERENONE	eplerenone
ENALAPRIL MALEATE	enalapril maleate
ISOXSUPRINE HCL	isoxsuprine HCl (bulk)
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	Uniretic
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
DOXAZOSIN MESYLATE	doxazosin
SPIRONOLACTONE	spironolactone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
OLMESARTAN MEDOXOMIL	Benicar
CAPTAPRIL	captapril
BENAZEPRIL HCL	Lotensin
DOXAZOSIN MESYLATE	doxazosin
METHYLDOPA/HYDROCHLOROTHIAZIDE	methyldopa-hydrochlorothiazide
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
TERAZOSIN HCL	terazosin
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Prinivil
RAMIPRIL	ramipril
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
TRANDOLAPRIL	trandolapril
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
TERAZOSIN HCL	Hytrin
HYDRALAZINE HCL	hydralazine
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	Avapro
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
MINOXIDIL	minoxidil
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
GUANFACINE HCL	guanfacine
TELMISARTAN	Micardis
DOXAZOSIN MESYLATE	doxazosin
TELMISARTAN	telmisartan
DOXAZOSIN MESYLATE	doxazosin
CAPTOPRIL	captopril
SPIRONOLACTONE	spironolactone
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	Cozaar
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
EPOPROSTENOL SODIUM (GLYCINE)	epoprostenol (glycine)
QUINAPRIL HCL	quinapril
QUINAPRIL HCL	Accupril
HYDRALAZINE HCL	hydralazine
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	Zestril
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	Ziac

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	Cozaar
DOXAZOSIN MESYLATE	doxazosin
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
SPIRONOLACTONE	spironolactone
RAMIPRIL	Altace
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
MOEXIPRIL HCL/HYDROCHLOROTHIAZIDE	moexipril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
AZILSARTAN MEDOXOMIL/CHLORTHALIDONE	Edarbyclor
BENAZEPRIL HCL	benazepril
LISINOPRIL	Prinivil
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN	valsartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL	lisinopril
GUANFACINE HCL	guanfacine
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL	Atacand
IRBESARTAN	irbesartan
TELMISARTAN/AMLODIPINE BESYLATE	Twynsta
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
RAMIPRIL	Altace
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
PAPAVERINE HCL	papaverine
LISINOPRIL	Prinivil
LISINOPRIL	Zestril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	Zestril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
METHYLDOPA	methyldopa
CLONIDINE HCL	clonidine HCl
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
VALSARTAN	Diovan
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
LISINOPRIL	Prinivil
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
EPLERENONE	Inspira
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
TERAZOSIN HCL	terazosin
MINOXIDIL	minoxidil
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
CAPTOPRIL	captopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
FOSINOPRIL SODIUM	Monopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
SPIRONOLACTONE	Aldactone
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
PAPAVERINE HCL	papaverine (bulk)
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SILDENAFIL CITRATE	sildenafil
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
DOXAZOSIN MESYLATE	doxazosin
FOSINOPRIL SODIUM	fosinopril
RIOCIGUAT	Adepas
PAPAVERINE HCL	papaverine
CAPTOPRIL	captopril
TELMISARTAN	telmisartan
PERINDOPRIL ERBUMINE	perindopril erbumine
CLONIDINE HCL	clonidine HCl
METHYLDOPA	methyldopa
CLONIDINE HCL	clonidine HCl
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
CLONIDINE HCL	clonidine HCl
PRAZOSIN HCL	prazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
PERINDOPRIL ERBUMINE	Aceon
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
PERINDOPRIL ERBUMINE	perindopril erbumine
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
FOSINOPRIL SODIUM	Monopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	ramipril
RAMIPRIL	Altace
RAMIPRIL	Altace
BENAZEPRIL HCL	Lotensin
RAMIPRIL	ramipril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
RESERPINE	reserpine (bulk)
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
ENALAPRIL MALEATE	enalapril maleate
ISOXSUPRINE HCL	isoxsuprine
TERAZOSIN HCL	terazosin
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
TRANDOLAPRIL	trandolapril
CANDESARTAN CILEXETIL	candesartan
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
FENOLDOPAM MESYLATE	fenoldopam
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
PRAZOSIN HCL	prazosin
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
CANDESARTAN CILEXETIL	candesartan
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
HYDRALAZINE HCL	hydralazine
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
PRAZOSIN HCL	prazosin
BENAZEPRIL HCL	benazepril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
CLONIDINE	Catapres-TTS-3
TRANDOLAPRIL	trandolapril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
MOEXIPRIL HCL	moexipril
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
CLONIDINE HCL	clonidine HCl
LISINOPRIL	Prinivil
AMLODIPINE BESYLATE/VALSARTAN	Exforge
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
ALISKIREN HEMIFUMARATE	Tekturna
SACUBITRIL/VALSARTAN	Entresto
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
PERINDOPRIL ERBUMINE	perindopril erbumine
LOSARTAN POTASSIUM	losartan
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
VALSARTAN	valsartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
DOXAZOSIN MESYLATE	doxazosin
VALSARTAN	valsartan
ENALAPRIL MALEATE	enalapril maleate
BENAZEPRIL HCL	benazepril
VALSARTAN	Diovan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
RAMIPRIL	Altace
ATENOLOL/CHLORTHALIDONE	Tenoretic 50
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
VALSARTAN	valsartan
GUANFACINE HCL	Tenex
LOSARTAN POTASSIUM	losartan
METHYLDOPATE HCL	methyldopate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
VALSARTAN	valsartan
RAMIPRIL	ramipril
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazyd
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
TREPROSTINIL DIOLAMINE	Orenitram
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL	Accupril
LISINOPRIL	lisinopril
PAPAVERINE HCL	papaverine
METHYLDOPA	methyldopa
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	Prinivil
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
VALSARTAN	valsartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
QUINAPRIL HCL	quinapril
LISINOPRIL	Prinivil
CAPTOPRIL	captopril
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
GUANFACINE HCL	guanfacine
GUANFACINE HCL	guanfacine
TELMISARTAN	telmisartan
ENALAPRIL MALEATE	enalapril maleate
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN	telmisartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	ramipril
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	losartan
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM	losartan
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
CLONIDINE HCL	clonidine HCl
CAPTOPRIL	captopril (bulk)
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
HYDRALAZINE HCL	hydralazine
CLONIDINE HCL	clonidine HCl
RAMIPRIL	ramipril
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	Zestoretic
ENALAPRIL MALEATE	enalapril maleate
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
ILOPROST TROMETHAMINE	Ventavis
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
MOEXIPRIL HCL	moexipril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
VALSARTAN	valsartan
METHYLDOPA	methyldopa
HYDRALAZINE HCL	hydralazine
BENAZEPRIL HCL	benazepril
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
PAPAVERINE HCL	papaverine (bulk)
FOSINOPRIL SODIUM	fosinopril
FOSINOPRIL SODIUM	fosinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
VALSARTAN	valsartan
RAMIPRIL	ramipril
QUINAPRIL HCL	quinapril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LISINOPRIL	lisinopril
PERINDOPRIL ERBUMINE	perindopril erbumine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
VALSARTAN	valsartan
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOSARTAN POTASSIUM	losartan
GUANFACINE HCL	guanfacine
CLONIDINE	clonidine
SPIRONOLACTONE	spironolactone
HYDRALAZINE HCL	hydralazine
HYDRALAZINE HCL	hydralazine
RAMIPRIL	ramipril
LISINOPRIL	Zestril
RAMIPRIL	Altace
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
PRAZOSIN HCL	prazosin
BENAZEPRIL HCL	benazepril
METHYLDOPA	methyldopa
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
SELEXIPAG	Uptravi
ENALAPRILAT DIHYDRATE	enalaprilat
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM	Cozaar
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin
TERAZOSIN HCL	terazosin
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
FOSINOPRIL SODIUM	fosinopril
MINOXIDIL	minoxidil
DOXAZOSIN MESYLATE	doxazosin
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
RAMIPRIL	Altace
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE	clonidine
LISINOPRIL	lisinopril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METHYLDOPATE HCL	methyldopate
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
GUANFACINE HCL	guanfacine
TELMISARTAN/AMLODIPINE BESYLATE	telmisartan-amlodipine
CLONIDINE HCL	clonidine HCl
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
FOSINOPRIL SODIUM	Monopril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
FOSINOPRIL SODIUM	fosinopril
TERAZOSIN HCL	terazosin
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
VALSARTAN	valsartan
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	Vasotec
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
CANDESARTAN CILEXETIL	Atacand
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
ALISKIREN HEMIFUMARATE/AMLODIPINE BESYLATE	Tekamlo
PERINDOPRIL ERBUMINE	Aceon
METOPROLOL SUCCINATE/HYDROCHLOROTHIAZIDE	Dutoprol
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
RESERPINE	reserpine (bulk)
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	Lopressor HCT
VALSARTAN	valsartan
GUANFACINE HCL	guanfacine
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	Lotensin HCT
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
AMBRISANTAN	Letairis
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
BENAZEPRIL HCL	Lotensin
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM	losartan
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
AZILSARTAN MEDOXOMIL	Edarbi
IRBESARTAN	irbesartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TERAZOSIN HCL	Hytrin
CLONIDINE HCL	clonidine HCl
DOXAZOSIN MESYLATE	doxazosin
DOXAZOSIN MESYLATE	doxazosin
RAMIPRIL	Altace
CLONIDINE HCL	clonidine HCl
FOSINOPRIL SODIUM	Monopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	Accupril
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
VALSARTAN	valsartan
FOSINOPRIL SODIUM	fosinopril
ALISKIREN HEMIFUMARATE	Tekturna
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
RAMIPRIL	ramipril
OLMESARTAN MEDOXOMIL	olmesartan
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
QUINAPRIL HCL	Accupril
SPIRONOLACTONE	spironolactone
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
VALSARTAN	valsartan
LISINOPRIL	lisinopril
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
SILDENAFIL CITRATE	sildenafil
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
FOSINOPRIL SODIUM	Monopril
SPIRONOLACTONE	spironolactone
TELMISARTAN	Micardis
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CAPTOPRIL	captopril
VALSARTAN	valsartan
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
CLONIDINE HCL	clonidine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
EPLERENONE	Inspra
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
NYLIDRIN HCL	nylidrin (bulk)
TERAZOSIN HCL	terazosin
DOXAZOSIN MESYLATE	doxazosin
PRAZOSIN HCL	prazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
RAMIPRIL	ramipril
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
CAPTOPRIL	captopril (bulk)
BENAZEPRIL HCL	benazepril
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
TERAZOSIN HCL	terazosin
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
PRAZOSIN HCL	prazosin
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazid
ENALAPRIL MALEATE	Vasotec
IRBESARTAN	irbesartan
FOSINOPRIL SODIUM	fosinopril
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
DOXAZOSIN MESYLATE	doxazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
LOSARTAN POTASSIUM	losartan
SPIRONOLACTONE	spironolactone
TERAZOSIN HCL	terazosin
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
ALISKIREN HEMIFUMARATE/HYDROCHLOROTHIAZIDE	Tekturna HCT
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	Cardura
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
PRAZOSIN HCL	prazosin
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
QUINAPRIL HCL	quinapril
VALSARTAN	valsartan
LOSARTAN POTASSIUM	losartan
ALISKIREN HEMIFUMARATE	Tekturna
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
TERAZOSIN HCL	terazosin
ENALAPRIL MALEATE	enalapril maleate
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
CLONIDINE HCL	clonidine HCl
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
TRANDOLAPRIL	trandolapril
VALSARTAN	valsartan
TRANDOLAPRIL	trandolapril
TERAZOSIN HCL	terazosin
RAMIPRIL	ramipril
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
QUINAPRIL HCL	quinapril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
VALSARTAN	valsartan
LISINOPRIL	Zestril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	quinapril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
GUANFACINE HCL	guanfacine
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
TRANDOLAPRIL/VERAPAMIL HCL	Tarka
CANDESARTAN CILEXETIL	Atacand
ILOPROST TROMETHAMINE	Ventavis
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/VALSARTAN	Exforge
LOSARTAN POTASSIUM	losartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
VALSARTAN	Diovan
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM	Cozaar
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
LISINOPRIL	lisinopril
BENAZEPRIL HCL	benazepril
IRBESARTAN	Avapro
ENALAPRIL MALEATE	Vasotec
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
LISINOPRIL	Zestril
TERAZOSIN HCL	terazosin
TERAZOSIN HCL	terazosin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LOSARTAN POTASSIUM	losartan
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	Monopril
PERINDOPRIL ERBUMINE	perindopril erbumine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE	enalapril maleate
TELMISARTAN/HYDROCHLOROTHIAZIDE	telmisartan-hydrochlorothiazid
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RAMIPRIL	ramipril
CANDESARTAN CILEXETIL	Atacand
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
FOSINOPRIL SODIUM	Monopril
BENAZEPRIL HCL	Lotensin
CLONIDINE HCL	clonidine HCl
IRBESARTAN	irbesartan
LISINOPRIL	Zestril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
VALSARTAN	Diovan
VALSARTAN	valsartan
BENAZEPRIL HCL	benazepril
SPIRONOLACTONE	spironolactone
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
FOSINOPRIL SODIUM	Monopril
HYDRALAZINE HCL	hydralazine
EPLERENONE	eplerenone
CAPTOPRIL	captopril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
SPIRONOLACTONE	spironolactone
FOSINOPRIL SODIUM	fosinopril
PAPAVERINE HCL	papaverine
PERINDOPRIL ARGININE/AMLODIPINE BESYLATE	Prestalia
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	amlodipine-valsartan-hcthiazid
IRBESARTAN	irbesartan
BENAZEPRIL HCL	benazepril
DOXAZOSIN MESYLATE	doxazosin
QUINAPRIL HCL	quinapril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
PERINDOPRIL ERBUMINE	Aceon
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
CAPTOPRIL	captopril
IRBESARTAN	irbesartan
ENALAPRILAT DIHYDRATE	enalaprilat
VALSARTAN	Diovan
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	Atacand HCT
IRBESARTAN	irbesartan
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL	Lotensin
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
TERAZOSIN HCL	terazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
TERAZOSIN HCL	terazosin
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
DIAZOXIDE	diazoxide (bulk)
LOSARTAN POTASSIUM	losartan
HYDRALAZINE HCL	hydralazine
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL/CHLORTHALIDONE	Clorpres
NADOLOL/BENDROFLUMETHIAZIDE	Corzide
CLONIDINE HCL	clonidine HCl
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
IRBESARTAN	irbesartan
GUANFACINE HCL	guanfacine
BENAZEPRIL HCL	benazepril
BISOPROLOL FUMARATE/HYDROCHLOROTHIAZIDE	bisoprolol-hydrochlorothiazide
LISINOPRIL	lisinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
BENAZEPRIL HCL	benazepril
GUANFACINE HCL	guanfacine
TELMISARTAN	Micardis
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazyd
ISOXSUPRINE HCL	isoxsuprine HCl (bulk)
CLONIDINE HCL	clonidine HCl
EPLERENONE	eplerenone
CAPTOPRIL	captopril
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazyd
CAPTOPRIL	captopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
QUINAPRIL HCL	Accupril
VALSARTAN	valsartan
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
CANDESARTAN CILEXETIL/HYDROCHLOROTHIAZIDE	candesartan-hydrochlorothiazid
IRBESARTAN	irbesartan
RIOCIGUAT	Adepas
LISINAPRIL	Zestril
BENAZEPRIL HCL	benazepril
FOSINOPRIL SODIUM	fosinopril
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL/HYDROCHLOROTHIAZIDE	Prinzide
LISINOPRIL	lisinopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
LISINOPRIL	lisinopril
RAMIPRIL	ramipril
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
IRBESARTAN	Avapro
RAMIPRIL	ramipril
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
LISINOPRIL	lisinopril
CAPTAPRIL	captapril
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
METOPROLOL TARTRATE/HYDROCHLOROTHIAZIDE	metoprolol ta-hydrochlorothiaz
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
CLONIDINE HCL	clonidine HCL
DOXAZOSIN MESYLATE	doxazosin
HYDRALAZINE HCL	hydralazine
ENALAPRIL MALEATE	enalapril maleate
PERINDOPRIL ERBUMINE	Aceon
AMLODIPINE BESYLATE/BENAZEPRIL HCL	amlodipine-benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCL
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM	losartan
TERAZOSIN HCL	Hytrin
HYDRALAZINE HCL	hydralazine
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMBRISENTAN	Letairis
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	Hyzaar
HYDRALAZINE HCL	hydralazine
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	Tribenzor
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
NADOLOL/BENDROFLUMETHIAZIDE	nadolol-bendroflumethiazide
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
LISINOPRIL	lisinopril
TELMISARTAN	telmisartan
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
SPIRONOLACTONE	spironolactone
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
CLONIDINE HCL	clonidine HCl
LISINOPRIL	lisinopril
HYDRALAZINE HCL	hydralazine
OLMESARTAN MEDOXOMIL/HYDROCHLOROTHIAZIDE	Benicar HCT
RAMIPRIL	ramipril
SPIRONOLACTONE	spironolactone
LOSARTAN POTASSIUM	losartan
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
AMLODIPINE BESYLATE/OLMESARTAN MEDOXOMIL	Azor
ALISKIREN HEMIFUMARATE/AMLODIPINE/HYDROCHLOROTHIAZIDE	Amturnide
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	benazepril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	Cardura
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
AMLODIPINE BESYLATE/VALSARTAN	Exforge
OLMESARTAN MEDOXOMIL/AMLODIPINE BESYLATE/HYDROCHLOROTHIAZIDE	olmesartan-amlodipin-hcthiazyd
ENALAPRIL MALEATE	enalapril maleate
IRBESARTAN	irbesartan
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
RIOCIGUAT	Adempas
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
LISINOPRIL	lisinopril
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
AMLODIPINE BESYLATE/VALSARTAN	amlodipine-valsartan
RAMIPRIL	ramipril
LISINOPRIL	lisinopril
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
LISINOPRIL	lisinopril
FOSINOPRIL SODIUM	fosinopril
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	benazepril
ENALAPRIL MALEATE	enalapril maleate
RAMIPRIL	Altace
VALSARTAN/HYDROCHLOROTHIAZIDE	Diovan HCT
QUINAPRIL HCL	Accupril
DOXAZOSIN MESYLATE	doxazosin
LISINOPRIL	lisinopril
FENOLDOPAM MESYLATE	Corlopam
CLONIDINE HCL	clonidine HCl
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE/HYDROCHLOROTHIAZIDE	enalapril-hydrochlorothiazide
LOSARTAN POTASSIUM	losartan
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
SILDENAFIL CITRATE	Revatio
CANDESARTAN CILEXETIL	candesartan
LOSARTAN POTASSIUM	losartan
LISINOPRIL	lisinopril
DOXAZOSIN MESYLATE	doxazosin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LISINOPRIL	lisinopril
TERAZOSIN HCL	terazosin
TELMISARTAN	telmisartan
HYDRALAZINE HCL	hydralazine
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	Avalide
LISINOPRIL	lisinopril
PERINDOPRIL ERBUMINE	perindopril erbumine
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM	losartan
ENALAPRIL MALEATE	enalapril maleate
PAPAVERINE HCL	papaverine
ENALAPRIL MALEATE	enalapril maleate
ATENOLOL/CHLORTHALIDONE	atenolol-chlorthalidone
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
AMLODIPINE BESYLATE/BENAZEPRIL HCL	Lotrel
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
FOSINOPRIL SODIUM/HYDROCHLOROTHIAZIDE	fosinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate (bulk)
LISINOPRIL	lisinopril
CLONIDINE HCL	clonidine HCl
BENAZEPRIL HCL/HYDROCHLOROTHIAZIDE	benazepril-hydrochlorothiazide
VALSARTAN	valsartan
AZILSARTAN MEDOXOMIL/CHLORTHALIDONE	Edarbyclor
FOSINOPRIL SODIUM	fosinopril
OLMESARTAN MEDOXOMIL	Benicar
AMLODIPINE BESYLATE/VALSARTAN/HYDROCHLOROTHIAZIDE	Exforge HCT
MINOXIDIL	minoxidil
CAPTOPRIL	captopril
BENAZEPRIL HCL	benazepril
QUINAPRIL HCL/HYDROCHLOROTHIAZIDE	Quinaretic
VALSARTAN	valsartan
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
DOXAZOSIN MESYLATE	doxazosin
CLONIDINE HCL	clonidine HCl
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
VALSARTAN/HYDROCHLOROTHIAZIDE	valsartan-hydrochlorothiazide
VALSARTAN	valsartan
LOSARTAN POTASSIUM	Cozaar
LISINOPRIL	lisinopril
IRBESARTAN/HYDROCHLOROTHIAZIDE	irbesartan-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CAPTOPRIL	captopril
LISINOPRIL	lisinopril
METHYLDOPA	methyldopa
LISINOPRIL	lisinopril

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OLMESARTAN MEDOXOMIL	Benicar
TERAZOSIN HCL	terazosin
TERAZOSIN HCL	terazosin
EPROSARTAN MESYLATE/HYDROCHLOROTHIAZIDE	Teveten HCT
HYDRALAZINE HCL	hydralazine
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
RAMIPRIL	ramipril
PRAZOSIN HCL	prazosin
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
LISINOPRIL	lisinopril
IRBESARTAN	irbesartan
LISINOPRIL	Zestril
IRBESARTAN	irbesartan
LOSARTAN POTASSIUM	losartan
PAPAVERINE HCL	papaverine (bulk)
LOSARTAN POTASSIUM/HYDROCHLOROTHIAZIDE	losartan-hydrochlorothiazide
BENAZEPRIL HCL	Lotensin
LISINOPRIL	lisinopril
IRBESARTAN	Avapro
TRANDOLAPRIL/VERAPAMIL HCL	trandolapril-verapamil
LISINOPRIL/HYDROCHLOROTHIAZIDE	lisinopril-hydrochlorothiazide
ENALAPRIL MALEATE	enalapril maleate
CARVEDILOL PHOSPHATE	Coreg CR
CARVEDILOL PHOSPHATE	Coreg CR
CARVEDILOL PHOSPHATE	Coreg CR
CARVEDILOL PHOSPHATE	Coreg CR
CARVEDILOL	Coreg
CARVEDILOL	Coreg
CARVEDILOL	Coreg
CARVEDILOL	Coreg
CARVEDILOL	Coreg
PROPRANOLOL HCL	propranolol
PROPRANOLOL HCL	propranolol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
METOPROLOL TARTRATE	metoprolol tartrate
METOPROLOL TARTRATE	metoprolol tartrate
METOPROLOL TARTRATE	metoprolol tartrate
METOPROLOL TARTRATE	metoprolol tartrate
ATENOLOL	atenolol
ATENOLOL	atenolol
ATENOLOL	atenolol
ATENOLOL	atenolol
ATENOLOL	atenolol
ATENOLOL	atenolol

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PROPRANOLOL HCL	Inderal XL
PROPRANOLOL HCL	Inderal XL
PROPRANOLOL HCL	Inderal XL
PROPRANOLOL HCL	Inderal XL
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
CARVEDILOL	carvedilol
Diuretics	
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
METHAZOLAMIDE	methazolamide
FUROSEMIDE	furosemide
CHLOROTHIAZIDE	chlorothiazide
EPLERENONE	epplerenone
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone (bulk)
BUMETANIDE	bumetanide
SPIRONOLACTONE	spironolactone
TORSEMIDE	torsemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
EPLERENONE	epplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
TORSEMIDE	Demadex
INDAPAMIDE	indapamide
SPIRONOLACTONE	Aldactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
METOLAZONE	metolazone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	Demadex
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	toremide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ETHACRYNIC ACID	Edecrin
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
CHLORTHALIDONE	chlorthalidone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	Lasix
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
ACETAZOLAMIDE SODIUM	acetazolamide sodium
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
METHAZOLAMIDE	methazolamide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
TRIAMTERENE	Dyrenium
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
BUMETANIDE	bumetanide
SPIRONOLACTONE	Aldactone
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	Demadex
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ETHACRYNIC ACID	Edecrin
EPLERENONE	Inspira
SPIRONOLACTONE	spironolactone (bulk)
BUMETANIDE	bumetanide
EPLERENONE	eplerenone
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	torsemide
TORSEMIDE	torsemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	Aldactazide
MANNITOL	mannitol 20 %
SPIRONOLACTONE	spironolactone
TRIAMTERENE	Dyrenium
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TOLVAPTAN	Samsca
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
METHAZOLAMIDE	methazolamide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
MANNITOL	mannitol 25 %
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
CHLOROTHIAZIDE SODIUM	Diuril IV
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
ETHACRYNATE SODIUM	ethacrynate sodium
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
FUROSEMIDE	Lasix
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BUMETANIDE	Bumex
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	Demadex
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	Lasix
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
INDAPAMIDE	indapamide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
EPLERENONE	eplerenone
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
ACETAZOLAMIDE	acetazolamide
SPIRONOLACTONE	spironolactone (bulk)
CHLORTHALIDONE	chlorthalidone
BUMETANIDE	bumetanide
TORSEMIDE	toremide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
MANNITOL	mannitol 25 %
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	Bumex
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	Demadex
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
ACETAZOLAMIDE SODIUM	acetazolamide sodium
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	Demadex
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TORSEMIDE	toremide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TORSEMIDE	torseamide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
TORSEMIDE	torseamide
METOLAZONE	metolazone
FUROSEMIDE	furosemide
MANNITOL	Osmitrol 10 %
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	Aldactazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
CHLOROTHIAZIDE	chlorothiazide
CHLORTHALIDONE	Thalitone
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
METOLAZONE	metolazone
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	Zaroxolyn
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
ACETAZOLAMIDE	acetazolamide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLOROTHIAZIDE SODIUM	Diuril IV
ACETAZOLAMIDE	acetazolamide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
EPLERENONE	Inspira
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
AMMONIUM CHLORIDE	ammonium chloride (bulk)
INDAPAMIDE	indapamide
BUMETANIDE	Bumex
EPLERENONE	eplerenone
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
MANNITOL	mannitol 20 %
ACETAZOLAMIDE SODIUM	acetazolamide sodium
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
TORSEMIDE	Demadex
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
CONIVAPTAN HCL/DEXTROSE 5 % IN WATER	Vaprisol
CHLOROTHIAZIDE	chlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
ETHACRYNATE SODIUM	ethacrynate sodium
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
METHAZOLAMIDE	Neptazane
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
FUROSEMIDE	furosemide
EPLERENONE	eplerenone
METHAZOLAMIDE	methazolamide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
CHLORTHALIDONE	chlorthalidone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE	Dyrenium
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ACETAZOLAMIDE	acetazolamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
MANNITOL	Osmitrol 20 %
FUROSEMIDE	furosemide
TRIAMTERENE	Dyrenium
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METHAZOLAMIDE	methazolamide
METHAZOLAMIDE	methazolamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
AMILORIDE HCL	amiloride
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
MANNITOL	mannitol 10 %
FUROSEMIDE	furosemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE SODIUM	acetazolamide sodium
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE IN 0.9 % SODIUM CHLORIDE	furosemide in 0.9 % NaCl
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
BUMETANIDE	bumetanide
BUMETANIDE	bumetanide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
EPLERENONE	Inspra
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
EPLERENONE	eplerenone
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TORSEMIDE	Demadex
SPIRONOLACTONE	spironolactone
CHLOROTHIAZIDE	chlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
INDAPAMIDE	indapamide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
MANNITOL	Osmitrol 20 %
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
METOLAZONE	metolazone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
METOLAZONE	metolazone
CHLOROTHIAZIDE	chlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE	Dyrenium
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
SPIRONOLACTONE	Aldactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	torseamide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ETHACRYNIC ACID	Edecrin
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL	amiloride
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
EPLERENONE	Inspira
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	Aldactone
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE, MICRONIZED	spironolactone micro (bulk)
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torseamide
TORSEMIDE	torseamide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone (bulk)
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
AMILORIDE HCL	amiloride
MANNITOL	Osmitrol 5 %
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
METOLAZONE	Zaroxolyn
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	Inspira
TORSEMIDE	torseamide
FUROSEMIDE	Lasix
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	Microzide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
GLYCERIN	Introl
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	Inspira
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
METOLAZONE	Zaroxolyn
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
METOLAZONE	metolazone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	torsemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TORSEMIDE	Demadex
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE IN 0.9 % SODIUM CHLORIDE	furosemide in 0.9 % NaCl
TORSEMIDE	torsemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE IN 0.9 % SODIUM CHLORIDE	furosemide in 0.9 % NaCl
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	torsemide
METHAZOLAMIDE	Neptazane
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TORSEMIDE	torsemide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
CHLORTHALIDONE	chlorthalidone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
MANNITOL	mannitol 25 %
CHLORTHALIDONE	chlorthalidone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
AMMONIUM CHLORIDE	ammonium chloride
TORSEMIDE	torsemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METHAZOLAMIDE	methazolamide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
MANNITOL	Osmitrol 15 %
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METHAZOLAMIDE	Neptazane
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
BUMETANIDE	Bumex
BUMETANIDE	bumetanide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
METOLAZONE	metolazone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
SPIRONOLACTONE	spironolactone
TORSEMIDE	Demadex
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
FUROSEMIDE	Lasix
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
MANNITOL	mannitol 25 %
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
MANNITOL	Osmitrol 10 %
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
CHLOROTHIAZIDE	chlorothiazide
CHLORTHALIDONE	chlorthalidone
CHLORTHALIDONE	chlorthalidone
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide-25mg
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	Bumex
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE SODIUM	acetazolamide sodium
SPIRONOLACTONE	spironolactone
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
EPLERENONE	eplerenone
TORSEMIDE	torseamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide-25mg
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
TORSEMIDE	torsemide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TORSEMIDE	Demadex
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	Aldactazide
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
EPLERENONE	eplerenone
EPLERENONE	Inspira
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	Lasix
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
METHAZOLAMIDE	Neptazane
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
EPLERENONE	Inspra
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torseamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
TOLVAPTAN	Samsca
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone (bulk)
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
CHLORTHALIDONE	chlorthalidone
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CONIVAPTAN HCL/DEXTROSE 5 % IN WATER	Vaprisol
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
SPIRONOLACTONE	spironolactone (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
ACETAZOLAMIDE	acetazolamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone
SPIRONOLACTONE	spironolactone (bulk)
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	Aldactone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TORSEMIDE	torseamide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
METOLAZONE	Zaroxolyn
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide-25mg
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
ACETAZOLAMIDE	acetazolamide
BUMETANIDE	bumetanide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
INDAPAMIDE	indapamide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
ETHACRYNIC ACID	ethacrynic acid (bulk)
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
MANNITOL	mannitol 20 %
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TORSEMIDE	torsemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide-25mg
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
MANNITOL	mannitol 5 %
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
METOLAZONE	metolazone
CONIVAPTAN HCL	Vaprisol
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	Inspira
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	Lasix
TORSEMIDE	torseamide
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	Bumex
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
CHLOROTHIAZIDE	chlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
ETHACRYNATE SODIUM	ethacrynate sodium
ACETAZOLAMIDE	Diamox Sequels
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone
SPIRONOLACTONE	Aldactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
CHLOROTHIAZIDE	chlorothiazide
MANNITOL	mannitol 25 %
METHAZOLAMIDE	methazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TORSEMIDE	Demadex
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL	amiloride
FUROSEMIDE	furosemide
MANNITOL	mannitol 15 %
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torseamide
FUROSEMIDE	furosemide
CHLORTHALIDONE	chlorthalidone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
METOLAZONE	metolazone
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
ETHACRYNATE SODIUM	ethacrynate sodium
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
CHLORTHALIDONE	chlorthalidone
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
AMILORIDE HCL	Midamor
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	Lasix
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	Bumex
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
PAMABROM	Diurex Max
SPIRONOLACTONE, MICRONIZED	spironolactone micro (bulk)
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TORSEMIDE	torseamide
SPIRONOLACTONE, MICRONIZED	spironolactone micro (bulk)
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
MANNITOL	mannitol 20 %
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	Bumex
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	Demadex
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	Aldactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone (bulk)
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
TORSEMIDE	toremide
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone
AMILORIDE HCL	amiloride
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone (bulk)
TORSEMIDE	toremide
FUROSEMIDE	Lasix
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TORSEMIDE	toremide
BUMETANIDE	bumetanide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
METHAZOLAMIDE	Neptazane
TORSEMIDE	toremide
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMILORIDE HCL	amiloride
AMMONIUM CHLORIDE	ammonium chloride (bulk)
SPIRONOLACTONE	spironolactone
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ETHACRYNATE SODIUM	ethacrynate sodium
FUROSEMIDE	furosemide
CHLORTHALIDONE	chlorthalidone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	Zaroxolyn
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	Lasix
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
METOLAZONE	Zaroxolyn
METOLAZONE	metolazone
SPIRONOLACTONE	spironolactone (bulk)
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	Lasix
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
EPLERENONE	Inspra
METHYCLOTHIAZIDE	Enduron
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
METOLAZONE	Zaroxolyn
TORSEMIDE	torsemide
TORSEMIDE	torsemide
TORSEMIDE	torsemide
FUROSEMIDE	Lasix
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METHAZOLAMIDE	methazolamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	Lasix
TRIAMTERENE	Dyrenium
ETHACRYNATE SODIUM	Sodium Edecrin
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLOROTHIAZIDE	Diuril
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
SPIRONOLACTONE	spironolactone (bulk)
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
TORSEMIDE	toremide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	Bumex
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
METHAZOLAMIDE	Neptazane
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
BUMETANIDE	bumetanide
METHAZOLAMIDE	methazolamide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TORSEMIDE	toremide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
TORSEMIDE	toremide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
TORSEMIDE	toremide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
METOLAZONE	Zaroxolyn
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	toremide
TORSEMIDE	toremide
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
TORSEMIDE	Demadex
SPIRONOLACTONE	spironolactone
CHLORTHALIDONE	chlorthalidone
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
METHAZOLAMIDE	methazolamide
TRIAMTERENE	Dyrenium
TORSEMIDE	toremide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
ETHACRYNATE SODIUM	Sodium Edecrin
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ETHACRYNIC ACID	ethacrynic acid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
TORSEMIDE	Demadex
CHLOROTHIAZIDE	chlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torseamide
CHLOROTHIAZIDE	Diuril
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone (bulk)
FUROSEMIDE	furosemide
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	Zaroxolyn
TORSEMIDE	torseamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TORSEMIDE	torseamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
METOLAZONE	metolazone
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
BUMETANIDE	bumetanide
TORSEMIDE	Demadex
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	Aldactone
METOLAZONE	metolazone
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide
TRIAMTERENE	Dyrenium
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Dyazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE	Dyrenium
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
METOLAZONE	metolazone
AMILORIDE HCL	amiloride
CHLORTHALIDONE	chlorthalidone
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
CHLOROTHIAZIDE	chlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METHAZOLAMIDE	methazolamide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
EPLERENONE	eplerenone
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
SPIRONOLACTONE	spironolactone
TORSEMIDE	Demadex
SPIRONOLACTONE, MICRONIZED	spironolactone micro (bulk)
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
SPIRONOLACTONE, MICRONIZED	spironolactone micro (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
TORSEMIDE	torsemide
CHLOROTHIAZIDE	chlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TORSEMIDE	torsemide
TORSEMIDE	torsemide
TORSEMIDE	torsemide
INDAPAMIDE	indapamide
SPIRONOLACTONE	spironolactone
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
CHLOROTHIAZIDE	chlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone (bulk)
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TRIAMTERENE/HYDROCHLOROTHIAZIDE	Maxzide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
INDAPAMIDE	indapamide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE	Dyrenium
TORSEMIDE	torsemide
INDAPAMIDE	indapamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METHYLCLOTHIAZIDE	methyclothiazide
TORSEMIDE	torsemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
TORSEMIDE	torsemide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
BUMETANIDE	Bumex
FUROSEMIDE	furosemide
ACETAZOLAMIDE	acetazolamide
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLORTHALIDONE	chlorthalidone
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone
BUMETANIDE	bumetanide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
EPLERENONE	eplerenone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
SPIRONOLACTONE/HYDROCHLOROTHIAZIDE	spironolacton-hydrochlorothiaz
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TORSEMIDE	torsemide
TORSEMIDE	torsemide
METHAZOLAMIDE	methazolamide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
METOLAZONE	metolazone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
CHLOROTHIAZIDE SODIUM	chlorothiazide sodium
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
ACETAZOLAMIDE	Diamox Sequels
CHLORTHALIDONE	chlorthalidone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
ETHACRYNIC ACID	ethacrynic acid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TORSEMIDE	torsemide
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
METHAZOLAMIDE	methazolamide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE	spironolactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
CONIVAPTAN HCL/DEXTROSE 5 % IN WATER	Vaprisol
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
FUROSEMIDE	furosemide
TRICHLORMETHIAZIDE	trichlormethiazide (bulk)
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
SPIRONOLACTONE	spironolactone
FUROSEMIDE	furosemide
TORSEMIDE	torsemide
AMMONIUM CHLORIDE	ammonium chloride (bulk)
AMILORIDE HCL/HYDROCHLOROTHIAZIDE	amiloride-hydrochlorothiazide
PAMABROM	Diuretic Softgels
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
METOLAZONE	metolazone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FUROSEMIDE	furosemide
SPIRONOLACTONE	Aldactone
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
FUROSEMIDE	furosemide
FUROSEMIDE	furosemide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
BUMETANIDE	bumetanide
ACETAZOLAMIDE	acetazolamide
FUROSEMIDE	furosemide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide (bulk)
TORSEMIDE	Demadex
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
TRIAMTERENE/HYDROCHLOROTHIAZIDE	triamterene-hydrochlorothiazid
AMILORIDE HCL	amiloride
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
BUMETANIDE	bumetanide
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
Oral Antidiabetic Medications	
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	Oseni
GLYBURIDE	glyburide
ALOGLIPTIN BENZOATE	alogliptin
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
METFORMIN HCL	metformin
GLYBURIDE	glyburide
ACARBOSE	acarbose
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
ACARBOSE	acarbose
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
NATEGLINIDE	nateglinide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
REPAGLINIDE	repaglinide
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
GLIPIZIDE	glipizide
CANAGLIFLOZIN/METFORMIN HCL	Invokamet
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL/GLIMEPIRIDE	DUETACT
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLIMEPIRIDE	glimepiride
METFORMIN HCL	Glucophage XR
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
SAXAGLIPTIN HCL	Onglyza
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
NATEGLINIDE	Starlix
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	Glucophage XR
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
NATEGLINIDE	nateglinide
EMPAGLIFLOZIN/LINAGLIPTIN	Glyxambi
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
TOLAZAMIDE	tolazamide
ACARBOSE	acarbose
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	Glucotrol XL
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	Actos
MIFEPRISTONE	Korlym
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CANAGLIFLOZIN/METFORMIN HCL	Invokamet
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/GLIMEPIRIDE	pioglitazone-glimepiride
ALOGLIPTIN BENZOATE/METFORMIN HCL	alogliptin-metformin
CHLORPROPAMIDE	chlorpropamide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin (bulk)
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
MIGLITOL	miglitol
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	Diabeta
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
NATEGLINIDE	nateglinide
GLIPIZIDE	glipizide
GLIPIZIDE	Glucotrol
GLIMEPIRIDE	glimepiride
METFORMIN HCL	Glumetza
GLIMEPIRIDE	glimepiride
LINAGLIPTIN/METFORMIN HCL	Jentadueto
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ACARBOSE	acarbose
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
LINAGLIPTIN	Tradjenta
GLIPIZIDE	glipizide
REPAGLINIDE	repaglinide
REPAGLINIDE/METFORMIN HCL	Prandimet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	Glucovance
GLIMEPIRIDE	glimepiride
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
NATEGLINIDE	nateglinide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage XR
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
MIGLITOL	Glyset
REPAGLINIDE	repaglinide
GLIMEPIRIDE	glimepiride
GLYBURIDE	Diabeta
GLYBURIDE	glyburide
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
LINAGLIPTIN	Tradjenta
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
GLYBURIDE	glyburide
ACARBOSE	acarbose
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	Oseni
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
ACARBOSE	acarbose
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
PIOGLITAZONE HCL	pioglitazone
REPAGLINIDE	repaglinide
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
TOLAZAMIDE	tolazamide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin (bulk)
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
DAPAGLIFLOZIN PROPANEDIOL	Farxiga
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	Actos
GLIMEPIRIDE	glimepiride
SITAGLIPTIN PHOSPHATE	Januvia
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE	Avandia
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE,MICRONIZED	glyburide micronized

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE	Nesina
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
NATEGLINIDE	Starlix
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
PIOGLITAZONE HCL	Actos
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	Glucotrol XL
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE,MICRONIZED	glyburide micronized
GLIMEPIRIDE	glimepiride
METFORMIN HCL	Glucophage XR
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
REPAGLINIDE	Prandin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE	Avandia
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE	Micronase
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLYBURIDE	glyburide
GLIMEPIRIDE	Amaryl
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ACARBOSE	acarbose
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	Oseni
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
EMPAGLIFLOZIN	Jardiance
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
NATEGLINIDE	Starlix
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
ACARBOSE	acarbose
REPAGLINIDE	Prandin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/GLIMEPIRIDE	pioglitazone-glimepiride
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
LINAGLIPTIN	Tradjenta
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
GLYBURIDE	glyburide
LINAGLIPTIN/METFORMIN HCL	Jentadueto XR
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	Micronase
GLIPIZIDE	glipizide
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
GLYBURIDE	glyburide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
NATEGLINIDE	nateglinide
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	Fortamet
ACARBOSE	acarbose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
REPAGLINIDE	repaglinide
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE	Avandia
TOLBUTAMIDE	tolbutamide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	Glynase
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin (bulk)
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
GLYBURIDE	Micronase
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	Amaryl
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
ROSIGLITAZONE MALEATE	Avandia
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	Oseni
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	Metaglip
SAXAGLIPTIN HCL	Onglyza
GLYBURIDE	glyburide
CANAGLIFLOZIN/METFORMIN HCL	Invokamet
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	Glucovance
EMPAGLIFLOZIN	Jardiance
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	Diabeta
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	Glucotrol XL
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	alogliptin-pioglitazone
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	Glumetza
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLYBURIDE	glyburide
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
ACARBOSE	acarbose
METFORMIN HCL	metformin
SAXAGLIPTIN HCL	Onglyza
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
SAXAGLIPTIN HCL	Onglyza
GLYBURIDE	glyburide
GLYBURIDE	glyburide
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
GLYBURIDE	Micronase
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
PIOGLITAZONE HCL	Actos
GLYBURIDE/METFORMIN HCL	Glucovance
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
LINAGLIPTIN/METFORMIN HCL	Jentadueto XR
GLYBURIDE	Micronase
ACARBOSE	acarbose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
NATEGLINIDE	nateglinide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	Glucotrol
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
DAPAGLIFLOZIN PROPANEDIOL	Farxiga
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
GLYBURIDE	glyburide
ACARBOSE	acarbose
METFORMIN HCL	metformin
DAPAGLIFLOZIN PROPANEDIOL/METFORMIN HCL	Xigduo XR
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	Riomet
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
CANAGLIFLOZIN	Invokana
METFORMIN HCL	metformin
METFORMIN HCL	metformin
REPAGLINIDE	Prandin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	Glucovance
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
NATEGLINIDE	nateglinide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
REPAGLINIDE	Prandin
SAXAGLIPTIN HCL	Onglyza

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSIGLITAZONE MALEATE	Avandia
SITAGLIPTIN PHOSPHATE	Januvia
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
DAPAGLIFLOZIN PROPANEDIOL	Farxiga
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
SITAGLIPTIN PHOSPHATE	Januvia
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
SITAGLIPTIN PHOSPHATE	Januvia
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLIPIZIDE	Glucotrol XL
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
REPAGLINIDE	repaglinide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
NATEGLINIDE	nateglinide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE	glyburide
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ACARBOSE	acarbose
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
ROSIGLITAZONE MALEATE	Avandia
REPAGLINIDE	repaglinide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
GLIPIZIDE	glipizide
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	Glucotrol XL
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	Actos
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
ALOGLIPTIN BENZOATE	alogliptin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	Glynase
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
METFORMIN HCL	Fortamet
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
ACARBOSE	Precose
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	Actos
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE/METFORMIN HCL	glyburide-metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
GLYBURIDE,MICRONIZED	Glycron
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	Glucophage
ACARBOSE	acarbose
PIOGLITAZONE HCL	Actos
GLYBURIDE	glyburide
METFORMIN HCL	Fortamet
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
MIGLITOL	Glyset
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIMEPIRIDE	glimepiride
DAPAGLIFLOZIN PROPANEDIOL/METFORMIN HCL	Xigduo XR
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE	alogliptin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ROSIGLITAZONE MALEATE	Avandia
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
SAXAGLIPTIN HCL	Onglyza
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
METFORMIN HCL	metformin
EMPAGLIFLOZIN	Jardiance
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE/METFORMIN HCL	glyburide-metformin
NATEGLINIDE	nateglinide
GLYBURIDE,MICRONIZED	Glynase
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Diabeta
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
SITAGLIPTIN PHOSPHATE	Januvia
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
ACARBOSE	acarbose
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE/METFORMIN HCL	glyburide-metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
METFORMIN HCL	Glucophage XR
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE,MICRONIZED	Glynase
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLYBURIDE,MICRONIZED	Glycron
GLYBURIDE	glyburide
PIOGLITAZONE HCL	Actos
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CANAGLIFLOZIN	Invokana
REPAGLINIDE	Prandin
GLIPIZIDE/METFORMIN HCL	Metaglip
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	Micronase
METFORMIN HCL	metformin
ACARBOSE	Precose
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	Glycron
METFORMIN HCL	metformin
METFORMIN HCL	metformin (bulk)
METFORMIN HCL	Glucophage XR
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	Amaryl
PIOGLITAZONE HCL	Actos
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	Amaryl
GLYBURIDE	glyburide
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	Glycron
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ALOGLIPTIN BENZOATE/METFORMIN HCL	alogliptin-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ACARBOSE	acarbose

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIMEPIRIDE	glimepiride
DAPAGLIFLOZIN PROPANEDIOL	Farxiga
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	Glynase
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	Glucophage XR
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE	glyburide
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	alogliptin-pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE,MICRONIZED	Glynase
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	Glucophage XR
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN/CAFFEINE/AMINO ACIDS#7/HERBAL COMB#125/CHOLINE BIT	Appformin
GLIMEPIRIDE	glimepiride

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
SAXAGLIPTIN HCL	Onglyza
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	Actos
GLYBURIDE	glyburide
CANAGLIFLOZIN/METFORMIN HCL	Invokamet XR
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	Glucophage
METFORMIN HCL	Glucophage
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SAXAGLIPTIN HCL	Onglyza
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	Glycron
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
SAXAGLIPTIN HCL/METFORMIN HCL	Kombiglyze XR
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
LINAGLIPTIN/METFORMIN HCL	Jentaducto XR
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLIPIZIDE	Glucotrol XL
GLIPIZIDE	glipizide
TOLAZAMIDE	tolazamide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	Micronase
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
NATEGLINIDE	nateglinide
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLYBURIDE	glyburide
METFORMIN HCL	metformin
NATEGLINIDE	nateglinide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
ACARBOSE	acarbose
GLIPIZIDE/METFORMIN HCL	Metaglip
DAPAGLIFLOZIN PROPANEDIOL/METFORMIN HCL	Xigduo XR
ACARBOSE	acarbose
MIFEPRISTONE	Korlym
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	Glucotrol

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
REPAGLINIDE	repaglinide
REPAGLINIDE	repaglinide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
NATEGLINIDE	Starlix
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin (bulk)
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	pioglitazone
ALOGLIPTIN BENZOATE/METFORMIN HCL	Kazano
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus Met XR
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE	Micronase
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CANAGLIFLOZIN/METFORMIN HCL	Invokamet
SAXAGLIPTIN HCL	Onglyza
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
REPAGLINIDE	Prandin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
ACARBOSE	acarbose
GLIPIZIDE	glipizide
REPAGLINIDE	Prandin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
CHLORPROPAMIDE	chlorpropamide
PIOGLITAZONE HCL	pioglitazone
REPAGLINIDE/METFORMIN HCL	Prandimet
GLYBURIDE, MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
TOLAZAMIDE	tolazamide
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	Glynase
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	Glucovance
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE/METFORMIN HCL	Kazano
ACARBOSE	acarbose
TOLBUTAMIDE	tolbutamide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
SAXAGLIPTIN HCL	Onglyza
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	alogliptin-pioglitazone
GLIPIZIDE/METFORMIN HCL	Metaglip
GLIMEPIRIDE	glimepiride

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
REPAGLINIDE	repaglinide
GLIPIZIDE	glipizide
ACARBOSE	acarbose
GLYBURIDE	Micronase
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
REPAGLINIDE	repaglinide
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Diabeta
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
SAXAGLIPTIN HCL/METFORMIN HCL	Kombiglyze XR
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	Glucotrol
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol
GLIPIZIDE	Glucotrol XL
REPAGLINIDE	repaglinide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
EMPAGLIFLOZIN	Jardiance
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	Riomet
GLIPIZIDE	glipizide
ACARBOSE	acarbose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
METFORMIN HCL	metformin
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin (bulk)
ACARBOSE	acarbose
METFORMIN HCL	Glucophage
PIOGLITAZONE HCL	pioglitazone
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
BROMOCRIPTINE MESYLATE	Cycloset
METFORMIN HCL	metformin
METFORMIN HCL	Fortamet
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ACARBOSE	acarbose
CHLORPROPAMIDE	chlorpropamide
ACARBOSE	acarbose
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ROSIGLITAZONE MALEATE	Avandia
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
REPAGLINIDE	repaglinide
REPAGLINIDE	repaglinide
GLIPIZIDE	Glucotrol XL
CANAGLIFLOZIN/METFORMIN HCL	Invokamet XR
GLYBURIDE,MICRONIZED	glyburide micronized
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
METFORMIN HCL	metformin (bulk)
GLYBURIDE	Micronase
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIMEPIRIDE	Amaryl
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	Glucotrol
SAXAGLIPTIN HCL	Onglyza
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIPIZIDE	glipizide
GLYBURIDE	Diabeta
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
CHLORPROPAMIDE	Diabinese
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
TOLAZAMIDE	tolazamide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	Glumetza
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
NATEGLINIDE	nateglinide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin (bulk)
REPAGLINIDE	repaglinide
GLIPIZIDE	glipizide
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
SITAGLIPTIN PHOSPHATE	Januvia
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	Glucotrol XL
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
EMPAGLIFLOZIN/LINAGLIPTIN	Glyxambi
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	Glucotrol
ACARBOSE	acarbose
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	Glucophage
GLIMEPIRIDE	glimepiride
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
TOLAZAMIDE	tolazamide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
MIGLITOL	miglitol
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ACARBOSE	Precose
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	Riomet
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
ACARBOSE	acarbose
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE	Nesina
METFORMIN HCL	metformin
METFORMIN/AMINO ACIDS COMB. #7/HERBAL COMB.#125/CHOLINE	Appformin-D
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin (bulk)
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
NATEGLINIDE	Starlix
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE	Avandia
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
CANAGLIFLOZIN	Invokana
GLIMEPIRIDE	glimepiride

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
NATEGLINIDE	nateglinide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
ACARBOSE	acarbose
LINAGLIPTIN/METFORMIN HCL	Jentadueto
ACARBOSE	acarbose
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE/METFORMIN HCL	Glucovance
GLYBURIDE	glyburide
GLYBURIDE	Micronase
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
MIGLITOL	Glyset
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE	Januvia
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin
TOLAZAMIDE	tolazamide
NATEGLINIDE	Starlix
ACARBOSE	Precose
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
PIOGLITAZONE HCL/GLIMEPIRIDE	DUETACT
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	Glumetza
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
NATEGLINIDE	nateglinide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	Glucophage
GLYBURIDE, MICRONIZED	glyburide micronized
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
DAPAGLIFLOZIN PROPANEDIOL/METFORMIN HCL	Xigduo XR
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	Glucotrol
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE/METFORMIN HCL	Metaglip
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
PIOGLITAZONE HCL	Actos
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
SAXAGLIPTIN HCL/METFORMIN HCL	Kombiglyze XR
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
REPAGLINIDE	Prandin
REPAGLINIDE/METFORMIN HCL	repaglinide-metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE/METFORMIN HCL	Metaglip
GLYBURIDE	glyburide
METFORMIN HCL	metformin
LINAGLIPTIN/METFORMIN HCL	Jentadueto
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
ACARBOSE	acarbose
ACARBOSE	Precose
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
METFORMIN HCL	Glumetza
GLYBURIDE,MICRONIZED	glyburide micronized
GLIPIZIDE	glipizide
MIGLITOL	Glyset
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin (bulk)
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
LINAGLIPTIN/METFORMIN HCL	Jentadueto XR
METFORMIN HCL	metformin (bulk)
GLYBURIDE	Diabeta
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
REPAGLINIDE	Prandin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin (bulk)
DAPAGLIFLOZIN PROPANEDIOL/METFORMIN HCL	Xigduo XR
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	Oseni
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	alogliptin-pioglitazone
GLYBURIDE	glyburide
METFORMIN HCL	Glucophage
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIMEPIRIDE	Amaryl
GLYBURIDE	glyburide
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
ACARBOSE	Precose
REPAGLINIDE	repaglinide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
TOLAZAMIDE	tolazamide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIMEPIRIDE	glimepiride
ACARBOSE	Precose
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
SITAGLIPTIN PHOSPHATE	Januvia
GLIMEPIRIDE	glimepiride
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
SAXAGLIPTIN HCL	Onglyza
GLYBURIDE/METFORMIN HCL	glyburide-metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE/METFORMIN HCL	Glucovance
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
ACARBOSE	Precose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	Glumetza
METFORMIN HCL	metformin
GLIPIZIDE	Glucotrol XL
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
NATEGLINIDE	nateglinide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
REPAGLINIDE	Prandin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	Glucophage XR
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
CANAGLIFLOZIN/METFORMIN HCL	Invokamet XR
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin (bulk)
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	Glucovance
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
TOLBUTAMIDE	tolbutamide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
NATEGLINIDE	nateglinide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
ACARBOSE	Precose
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
LINAGLIPTIN/METFORMIN HCL	Jentadueto
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
ACARBOSE	acarbose
METFORMIN HCL	metformin
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
TOLBUTAMIDE	tolbutamide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
CHLORPROPAMIDE	chlorpropamide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE, MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
EMPAGLIFLOZIN/LINAGLIPTIN	Glyxambi
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ACARBOSE	acarbose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
GLIPIZIDE	Glucotrol XL
PIOGLITAZONE HCL	pioglitazone
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	alogliptin-pioglitazone
METFORMIN HCL	metformin
SAXAGLIPTIN HCL/METFORMIN HCL	Kombiglyze XR
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
EMPAGLIFLOZIN/LINAGLIPTIN	Glyxambi
EMPAGLIFLOZIN/LINAGLIPTIN	Glyxambi
SITAGLIPTIN PHOSPHATE	Januvia
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	Actos
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	Glucophage
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	Oseni
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin
LINAGLIPTIN/METFORMIN HCL	Jentadueto
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
GLYBURIDE/METFORMIN HCL	Glucovance
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
NATEGLINIDE	Starlix
REPAGLINIDE	Prandin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
METFORMIN HCL	metformin
GLYBURIDE	Diabeta
GLYBURIDE,MICRONIZED	Glycron
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	chlorpropamide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
TOLAZAMIDE	tolazamide
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	Amaryl
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
REPAGLINIDE	Prandin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	Glynase

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
ACARBOSE	acarbose
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
SITAGLIPTIN PHOSPHATE	Januvia
GLYBURIDE	glyburide
REPAGLINIDE/METFORMIN HCL	repaglinide-metformin
METFORMIN HCL	metformin (bulk)
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	Riomet
METFORMIN HCL	metformin
EMPAGLIFLOZIN	Jardiance
GLIPIZIDE	Glucotrol
METFORMIN HCL	metformin
EMPAGLIFLOZIN/LINAGLIPTIN	Glyxambi
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	Diabeta
GLYBURIDE,MICRONIZED	glyburide micronized
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE	glyburide
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
PIOGLITAZONE HCL/GLIMEPIRIDE	pioglitazone-glimepiride
GLYBURIDE	glyburide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ALOGLIPTIN BENZOATE/PIOGLITAZONE HCL	alogliptin-pioglitazone
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
PIOGLITAZONE HCL	Actos
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
MIGLITOL	miglitol
METFORMIN HCL	Fortamet
METFORMIN HCL	metformin (bulk)
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
GLYBURIDE	glyburide
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	Micronase
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
NATEGLINIDE	Starlix
PIOGLITAZONE HCL	pioglitazone
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
NATEGLINIDE	nateglinide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ACARBOSE	Precose
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
ROSIGLITAZONE MALEATE	Avandia
PIOGLITAZONE HCL	pioglitazone
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
METFORMIN HCL	metformin
NATEGLINIDE	nateglinide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
CHLORPROPAMIDE	Diabinese
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	glipizide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	Glucophage
GLIMEPIRIDE	glimepiride
GLIMEPIRIDE	Amaryl
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
TOLAZAMIDE	tolazamide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
REPAGLINIDE	Prandin
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
GLIPIZIDE	glipizide
GLYBURIDE,MICRONIZED	glyburide micronized
METFORMIN HCL	metformin
METFORMIN HCL	metformin (bulk)
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	Glucovance
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE/METFORMIN HCL	Glucovance
GLYBURIDE	glyburide
METFORMIN HCL	Glucophage
GLIMEPIRIDE	glimepiride
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
CHLORPROPAMIDE	chlorpropamide
PIOGLITAZONE HCL	pioglitazone
ACARBOSE	acarbose
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSIGLITAZONE MALEATE	Avandia
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE	glyburide
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ACARBOSE	acarbose
GLIPIZIDE	Glucotrol XL
METFORMIN HCL	metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
CANAGLIFLOZIN/METFORMIN HCL	Invokamet XR
GLIPIZIDE	glipizide
METFORMIN HCL	Glucophage
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE	glyburide
ACARBOSE	acarbose
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
CHLORPROPAMIDE	chlorpropamide
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ROSIGLITAZONE MALEATE	Avandia
REPAGLINIDE	Prandin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
CANAGLIFLOZIN	Invokana
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE	Glucotrol XL
GLYBURIDE/METFORMIN HCL	glyburide-metformin
ROSIGLITAZONE MALEATE/METFORMIN HCL	Avandamet
ALOGLIPTIN BENZOATE	Nesina
GLIPIZIDE/METFORMIN HCL	glipizide-metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE/METFORMIN HCL	Glucovance
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLIMEPIRIDE	glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIMEPIRIDE	glimepiride
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL	Actos
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
SAXAGLIPTIN HCL/METFORMIN HCL	Kombiglyze XR
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL/GLIMEPIRIDE	pioglitazone-glimepiride
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
GLYBURIDE/METFORMIN HCL	glyburide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLYBURIDE/METFORMIN HCL	Glucovance
SITAGLIPTIN PHOSPHATE	Januvia
EMPAGLIFLOZIN/METFORMIN HCL	Synjardy
GLIPIZIDE	glipizide
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	Metaglip
GLYBURIDE	glyburide
PIOGLITAZONE HCL	pioglitazone
REPAGLINIDE	repaglinide
GLYBURIDE	glyburide
PIOGLITAZONE HCL	Actos
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIMEPIRIDE	glimepiride
ROSIGLITAZONE MALEATE	Avandia
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE	Avandia
METFORMIN HCL	metformin
GLYBURIDE	Diabeta
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
METFORMIN HCL	metformin
ROSIGLITAZONE MALEATE/GLIMEPIRIDE	Avandaryl
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLYBURIDE,MICRONIZED	glyburide micronized
GLYBURIDE,MICRONIZED	glyburide micronized
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus MET
GLYBURIDE/METFORMIN HCL	glyburide-metformin
GLIPIZIDE	Glucotrol XL
GLIPIZIDE	glipizide
SITAGLIPTIN PHOSPHATE/METFORMIN HCL	Janumet XR
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
TOLAZAMIDE	tolazamide
METFORMIN HCL	metformin
GLYBURIDE	Micronase
METFORMIN HCL	metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
METFORMIN HCL	metformin
SAXAGLIPTIN HCL/METFORMIN HCL	Kombiglyze XR
EMPAGLIFLOZIN	Jardiance
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
TOLAZAMIDE	tolazamide
TOLBUTAMIDE	tolbutamide
METFORMIN HCL	metformin
METFORMIN HCL	metformin
PIOGLITAZONE HCL	pioglitazone
METFORMIN HCL	metformin
ACARBOSE	Precose
METFORMIN HCL	Glucophage
GLYBURIDE, MICRONIZED	glyburide micronized
PIOGLITAZONE HCL/METFORMIN HCL	Actoplus Met XR
SITAGLIPTIN PHOSPHATE	Januvia
METFORMIN HCL	metformin
GLYBURIDE/METFORMIN HCL	glyburide-metformin
LINAGLIPTIN/METFORMIN HCL	Jentadueto
GLYBURIDE	glyburide
GLYBURIDE, MICRONIZED	glyburide micronized
GLYBURIDE	glyburide
ACARBOSE	Precose
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
METFORMIN HCL	metformin
GLYBURIDE	glyburide
GLIMEPIRIDE	glimepiride
GLYBURIDE	Micronase
METFORMIN HCL	metformin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
METFORMIN HCL	metformin
GLYBURIDE	glyburide
METFORMIN HCL	metformin
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
METFORMIN HCL	metformin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
GLYBURIDE/METFORMIN HCL	glyburide-metformin
REPAGLINIDE	repaglinide
METFORMIN HCL	metformin
GLIPIZIDE	glipizide
GLIPIZIDE/METFORMIN HCL	glipizide-metformin
PIOGLITAZONE HCL/METFORMIN HCL	pioglitazone-metformin
METFORMIN HCL	metformin
GLIMEPIRIDE	glimepiride
Proton Pump Inhibitors	
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
LANSOPRAZOLE	Prevacid SoluTab
LANSOPRAZOLE	Prevacid 24Hr
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
LANSOPRAZOLE	lansoprazole
NAPROXEN/ESOMEPRAZOLE MAGNESIUM	Vimovo
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
DEXLANSOPRAZOLE	Kapidex
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	lansoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	amoxicil-clarithromy-lansopraz
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
NAPROXEN/ESOMEPRAZOLE MAGNESIUM	Vimovo
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid SoluTab
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE SODIUM	esomeprazole sodium
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE SODIUM	Nexium IV

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	FIRST-Lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole (bulk)
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE STRONTIUM	esomeprazole strontium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	Prilosec
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	Protonix
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	Prilosec
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	rabeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE MAGNESIUM	Nexium
RABEPRAZOLE SODIUM	Aciphex
ESOMEPRAZOLE MAGNESIUM	Nexium
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Prevacid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Heartburn Relief 24 Hour
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium Packet
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	Prevpac
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Heartburn Treatment 24 Hour
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
RABEPRAZOLE SODIUM	AcipHex Sprinkle
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid SoluTab
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid SoluTab
OMEPRAZOLE	omeprazole (bulk)
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Heartburn Treatment 24 Hour
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	amoxicil-clarithromy-lansopraz
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
DEXLANSOPRAZOLE	Kapidex
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole (bulk)
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid 24Hr
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	Prevpac
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
DEXLANSOPRAZOLE	Dexilant
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE SODIUM	Nexium IV
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole (bulk)
ESOMEPRAZOLE STRONTIUM	esomeprazole strontium
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid SoluTab
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole (bulk)
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid SoluTab
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE SODIUM	esomeprazole sodium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
RABEPRAZOLE SODIUM	rabeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Heartburn Treatment 24 Hour
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
LANSOPRAZOLE	Prevacid
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid 24Hr
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
DEXLANSOPRAZOLE	Kapidex
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	Prilosec
ESOMEPRAZOLE SODIUM	esomeprazole sodium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
NAPROXEN/ESOMEPRAZOLE MAGNESIUM	Vimovo
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	FIRST-Lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Omeprazole+SyrSpend SF Alka
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole (bulk)
RABEPRAZOLE SODIUM	Aciphex
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE/NAPROXEN	PREVACID NapraPAC
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	Prevpac
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	Prevacid
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/NAPROXEN	PREVACID NapraPAC
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid SoluTab
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	Protonix
RABEPRAZOLE SODIUM	rabeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE SODIUM	esomeprazole sodium
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	FIRST-Lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	FIRST-Omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	Protonix
ESOMEPRAZOLE STRONTIUM	esomeprazole strontium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
RABEPRAZOLE SODIUM	rabeprazole
ESOMEPRAZOLE SODIUM	esomeprazole sodium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	Prilosec
RABEPRAZOLE SODIUM	rabeprazole
DEXLANSOPRAZOLE	Dexilant
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
RABEPRAZOLE SODIUM	Aciphex

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	FIRST-Omeprazole
LANSOPRAZOLE	Prevacid 24Hr
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Heartburn Relief 24 Hour
LANSOPRAZOLE	Prevacid

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
DEXLANSOPRAZOLE	Dexilant
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE SODIUM	esomeprazole sodium
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	pantoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
LANSOPRAZOLE	Prevacid SoluTab
PANTOPRAZOLE SODIUM	pantoprazole
DEXLANSOPRAZOLE	Dexilant
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	FIRST-Omeprazole
LANSOPRAZOLE	Prevacid
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	AcipHex Sprinkle
LANSOPRAZOLE	Prevacid
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE/CLARITHROMYCIN/AMOXICILLIN TRIHYDRATE	Omeclamox-Pak
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE MAGNESIUM	Prilosec OTC
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	amoxicil-clarithromy-lansopraz
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	Protonix
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	Prevpac
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
RABEPRAZOLE SODIUM	rabeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	Protonix
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole (bulk)
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	Protonix
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium Packet
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	amoxicil-clarithromy-lansopraz
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
NAPROXEN/ESOMEPRAZOLE MAGNESIUM	Vimovo
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	Prevpac
OMEPRAZOLE	omeprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole (bulk)
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	amoxicil-clarithromy-lansopraz
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid SoluTab
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
NAPROXEN/ESOMEPRAZOLE MAGNESIUM	Vimovo

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
RABEPRAZOLE SODIUM	rabeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium Packet
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE MAGNESIUM	Nexium
ESOMEPRAZOLE MAGNESIUM	Nexium Packet
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LANSOPRAZOLE	lansoprazole (bulk)
RABEPRAZOLE SODIUM	Aciphex
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	Prilosec
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	Prevacid SoluTab
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	AcipHex Sprinkle
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE MAGNESIUM	Prilosec
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
RABEPRAZOLE SODIUM	Aciphex
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE/AMOXICILLIN TRIHYDRATE/CLARITHROMYCIN	amoxicil-clarithromy-lansopraz
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid
RABEPRAZOLE SODIUM	rabeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium Packet
LANSOPRAZOLE/NAPROXEN	PREVACID NapraPAC
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE/NAPROXEN	PREVACID NapraPAC
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PANTOPRAZOLE SODIUM	Protonix
NAPROXEN/ESOMEPRAZOLE MAGNESIUM	Vimovo
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
DEXLANSOPRAZOLE	Kapidex
RABEPRAZOLE SODIUM	AcipHex Sprinkle
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid OTC
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole (bulk)
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE SODIUM	esomeprazole sodium
LANSOPRAZOLE	Prevacid
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	Prevacid IV
PANTOPRAZOLE SODIUM	Protonix
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
PANTOPRAZOLE SODIUM	pantoprazole
ESOMEPRAZOLE SODIUM	esomeprazole sodium
LANSOPRAZOLE	Heartburn Relief 24 Hour
LANSOPRAZOLE	lansoprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	Aciphex
OMEPRAZOLE	Prilosec
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	Prilosec
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
PANTOPRAZOLE SODIUM	Protonix
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	rabeprazole
LANSOPRAZOLE	Prevacid
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	Protonix
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole (bulk)
LANSOPRAZOLE	lansoprazole
PANTOPRAZOLE SODIUM	pantoprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	Prevacid
RABEPRAZOLE SODIUM	rabeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
RABEPRAZOLE SODIUM	Aciphex
ESOMEPRAZOLE MAGNESIUM	Nexium 24HR
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
OMEPRAZOLE MAGNESIUM	omeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
LANSOPRAZOLE	Prevacid SoluTab
OMEPRAZOLE/SODIUM BICARBONATE	omeprazole-sodium bicarbonate
OMEPRAZOLE/SODIUM BICARBONATE	Zegerid
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
LANSOPRAZOLE	lansoprazole
RABEPRAZOLE SODIUM	Aciphex
RABEPRAZOLE SODIUM	rabeprazole

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
OMEPRAZOLE MAGNESIUM	Prilosec OTC
OMEPRAZOLE	omeprazole
ESOMEPRAZOLE MAGNESIUM	esomeprazole magnesium
ESOMEPRAZOLE MAGNESIUM	Nexium
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
OMEPRAZOLE	omeprazole
PANTOPRAZOLE SODIUM	pantoprazole
LANSOPRAZOLE	lansoprazole
SSRI or SNRI	
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
FLUVOXAMINE MALEATE	fluvoxamine
FLUVOXAMINE MALEATE	fluvoxamine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	Prozac
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
OLANZAPINE/FLUOXETINE HCL	Symbyax
PAROXETINE HCL	paroxetine HCl
MILNACIPRAN HCL	Savella
DESVENLAFAXINE FUMARATE	desvenlafaxine fumarate
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	Zoloft
DESVENLAFAXINE SUCCINATE	Pristiq
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	venlafaxine
FLUVOXAMINE MALEATE	fluvoxamine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DESVENLAFAXINE SUCCINATE	Pristiq
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine HCl (bulk)
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE MESYLATE	Brisdelle
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL/DIETARY SUPPLEMENT,MISC COMB17	Gaboxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE MESYLATE	Pexeva
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
MILNACIPRAN HCL	Savella
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE	fluoxetine (bulk)
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil CR
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	Prozac Weekly
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline (bulk)
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil CR
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE	fluoxetine (bulk)
DESVENLAFAXINE	Khedezla
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
MILNACIPRAN HCL	Savella
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	Celexa
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	Sarafem
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
OLANZAPINE/FLUOXETINE HCL	Symbyax
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	Prozac
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
OLANZAPINE/FLUOXETINE HCL	Symbyax
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	Lexapro

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DESVENLAFAXINE SUCCINATE	Pristiq
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil
OLANZAPINE/FLUOXETINE HCL	Symbyax
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DESVENLAFAXINE FUMARATE	desvenlafaxine fumarate
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
DESVENLAFAXINE SUCCINATE	Pristiq
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
PAROXETINE MESYLATE	Pexeva
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil CR
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
FLUVOXAMINE MALEATE	fluvoxamine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	Selfemra
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
FLUOXETINE	fluoxetine (bulk)
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine HCl (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	Celexa
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil CR
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	Prozac Weekly
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine HCl (bulk)
CITALOPRAM HYDROBROMIDE	Celexa
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
PAROXETINE MESYLATE	Pexeva
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
MILNACIPRAN HCL	Savella
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
DESVENLAFAXINE	Khedezla
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE	fluoxetine (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	Paxil CR
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Irenka
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	Sarafem
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	Prozac
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
OLANZAPINE/FLUOXETINE HCL	Symbyax
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DESVENLAFAXINE SUCCINATE	Pristiq
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
OLANZAPINE/FLUOXETINE HCL	Symbyax
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL/DIETARY SUPPLEMENT,MISC COMB17	Gaboxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
DESVENLAFAXINE	desvenlafaxine
DULOXETINE HCL	duloxetine
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	Prozac
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	Prozac
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
DESVENLAFAXINE SUCCINATE	Pristiq
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
MILNACIPRAN HCL	Savella
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	paroxetine HCl
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	Prozac
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
OLANZAPINE/FLUOXETINE HCL	Symbyax
PAROXETINE HCL	Paxil CR
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
FLUVOXAMINE MALEATE	fluvoxamine
MILNACIPRAN HCL	Savella
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	venlafaxine
FLUOXETINE	fluoxetine (bulk)
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor XR
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
FLUOXETINE	fluoxetine (bulk)
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
MILNACIPRAN HCL	Savella
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil CR
FLUOXETINE	fluoxetine (bulk)
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE	fluoxetine (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Sarafem
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
DULOXETINE HCL	duloxetine HCl (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
MILNACIPRAN HCL	Savella
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
FLUOXETINE	fluoxetine (bulk)
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine HCl (bulk)
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
DESVENLAFAXINE	desvenlafaxine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	Effexor XR

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
MILNACIPRAN HCL	Savella
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	Prozac
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE	fluoxetine (bulk)
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
DESVENLAFAXINE SUCCINATE	Pristiq
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	Prozac
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
FLUOXETINE	fluoxetine (bulk)
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
LEVOMILNACIPRAN HYDROCHLORIDE	Fetzima
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
DESVENLAFAXINE	Khedeza
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DESVENLAFAXINE	Khedezla
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil CR
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	Paxil CR
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil CR
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUVOXAMINE MALEATE	fluvoxamine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
MILNACIPRAN HCL	Savella
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	Prozac
SERTRALINE HCL	sertraline
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
PAROXETINE HCL	Paxil
DULOXETINE HCL	Cymbalta

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
DESVENLAFAXINE	desvenlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
OLANZAPINE/FLUOXETINE HCL	Symbyax
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	Effexor
DESVENLAFAXINE	desvenlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine HCl (bulk)
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine HCl (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine HCl (bulk)
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
LEVOMILNACIPRAN HYDROCHLORIDE	Fetzima
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	Paxil
PAROXETINE HCL	Paxil CR
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil CR
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	Effexor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	Prozac Weekly
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	Lexapro
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
DESVENLAFAXINE SUCCINATE	Pristiq
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
PAROXETINE HCL	Paxil CR
MILNACIPRAN HCL	Savella
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	Lexapro
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
SERTRALINE HCL	sertraline
FLUOXETINE	fluoxetine (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DESVENLAFAXINE	Khedezla
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE	fluoxetine (bulk)
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
MILNACIPRAN HCL	Savella
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
MILNACIPRAN HCL	Savella
FLUVOXAMINE MALEATE	fluvoxamine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	Sarafem
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	Prozac
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil CR
PAROXETINE HCL	Paxil
DULOXETINE HCL	duloxetine HCl (bulk)
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine HCl (bulk)
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	venlafaxine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
MILNACIPRAN HCL	Savella
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline (bulk)
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	Luvox CR
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE	fluoxetine (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
MILNACIPRAN HCL	Savella
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
DESVENLAFAXINE	desvenlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUOXETINE	fluoxetine (bulk)
FLUVOXAMINE MALEATE	Luvox CR
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
DESVENLAFAXINE SUCCINATE	Pristiq
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
DESVENLAFAXINE FUMARATE	desvenlafaxine fumarate
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	Sarafem
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	Sarafem
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
LEVOMILNACIPRAN HYDROCHLORIDE	Fetzima

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
PAROXETINE MESYLATE	Pexeva
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	Paxil
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUVOXAMINE MALEATE	fluvoxamine
DESVENLAFAXINE	desvenlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil CR
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine HCl (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline (bulk)
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DESVENLAFAXINE SUCCINATE	Pristiq
PAROXETINE HCL	Paxil
FLUOXETINE HCL	Rapiflux
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
DESVENLAFAXINE	desvenlafaxine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
DESVENLAFAXINE SUCCINATE	Pristiq
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
OLANZAPINE/FLUOXETINE HCL	Symbyax
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	Prozac
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	Celexa
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil CR
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	Prozac
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
MILNACIPRAN HCL	Savella
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
MILNACIPRAN HCL	Savella
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	Prozac
FLUVOXAMINE MALEATE	fluvoxamine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
MILNACIPRAN HCL	Savella
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	Selfemra
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DESVENLAFAXINE SUCCINATE	Pristiq
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil CR
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	Celexa
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
MILNACIPRAN HCL	Savella
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	Effexor
DESVENLAFAXINE	Khedeza
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
PAROXETINE HCL	Paxil
FLUVOXAMINE MALEATE	fluvoxamine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
OLANZAPINE/FLUOXETINE HCL	Symbyax
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
DULOXETINE HCL	duloxetine HCl (bulk)
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
MILNACIPRAN HCL	Savella
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE	fluoxetine (bulk)
VENLAFAXINE HCL	Effexor
MILNACIPRAN HCL	Savella
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
DESVENLAFAXINE	Khedeza
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	Cymbalta
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	Zoloft
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor
OLANZAPINE/FLUOXETINE HCL	Symbyax
PAROXETINE HCL	Paxil CR
SERTRALINE HCL	sertraline
LEVOMILNACIPRAN HYDROCHLORIDE	Fetzima
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
MILNACIPRAN HCL	Savella
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	Effexor
PAROXETINE HCL	Paxil
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
DULOXETINE HCL	Cymbalta
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
FLUVOXAMINE MALEATE	fluvoxamine
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine HCl (bulk)
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
DULOXETINE HCL	duloxetine HCl (bulk)

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
DESVENLAFAXINE SUCCINATE	Pristiq
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	Effexor XR
MILNACIPRAN HCL	Savella
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
DESVENLAFAXINE	desvenlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	duloxetine
FLUVOXAMINE MALEATE	fluvoxamine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
DESVENLAFAXINE SUCCINATE	Pristiq
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil CR
FLUOXETINE HCL/DIETARY SUPPLEMENT,MISC.COMBO8	Sentroxatine
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	Celexa
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
DESVENLAFAXINE SUCCINATE	Pristiq
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	Prozac
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUVOXAMINE MALEATE	fluvoxamine
FLUVOXAMINE MALEATE	fluvoxamine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE	fluoxetine (bulk)
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
FLUOXETINE	fluoxetine (bulk)
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
MILNACIPRAN HCL	Savella
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline (bulk)
CITALOPRAM HYDROBROMIDE	citalopram
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
DESVENLAFAXINE	Khedezla
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	Zoloft
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil CR
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
DESVENLAFAXINE FUMARATE	desvenlafaxine fumarate
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
FLUOXETINE	fluoxetine (bulk)
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
CITALOPRAM HYDROBROMIDE	citalopram

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	escitalopram oxalate
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	Zoloft
FLUVOXAMINE MALEATE	fluvoxamine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	Zoloft
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
FLUVOXAMINE MALEATE	fluvoxamine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor XR
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
LEVOMILNACIPRAN HYDROCHLORIDE	Fetzima
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	Effexor XR
DULOXETINE HCL	duloxetine
PAROXETINE HCL	Paxil
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	Paxil
ESCITALOPRAM OXALATE	escitalopram oxalate
DULOXETINE HCL	Cymbalta
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
MILNACIPRAN HCL	Savella
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine HCl (bulk)
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
FLUOXETINE	fluoxetine (bulk)
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	Lexapro

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	Paxil
VENLAFAXINE HCL	venlafaxine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor
FLUOXETINE HCL	Prozac
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	Prozac
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine HCl (bulk)
VENLAFAXINE HCL	Effexor XR
FLUOXETINE HCL	Prozac
DULOXETINE HCL	duloxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
VENLAFAXINE HCL	Effexor
MILNACIPRAN HCL	Savella
FLUOXETINE HCL	fluoxetine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	escitalopram oxalate
MILNACIPRAN HCL	Savella
CITALOPRAM HYDROBROMIDE	Celexa
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
OLANZAPINE/FLUOXETINE HCL	Symbyax
DULOXETINE HCL	Cymbalta
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
OLANZAPINE/FLUOXETINE HCL	Symbyax
VENLAFAXINE HCL	Effexor XR
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
CITALOPRAM HYDROBROMIDE	Celexa
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
FLUVOXAMINE MALEATE	fluvoxamine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	Paxil
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	Celexa
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
FLUOXETINE	fluoxetine (bulk)
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SERTRALINE HCL	sertraline
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	Lexapro
SERTRALINE HCL	sertraline
SERTRALINE HCL	Zoloft
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	Lexapro
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	Zoloft
CITALOPRAM HYDROBROMIDE	citalopram
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
FLUOXETINE HCL	fluoxetine
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
PAROXETINE HCL	Paxil CR
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil
DULOXETINE HCL	Cymbalta
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil CR
VENLAFAXINE HCL	Effexor XR
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	Zoloft
ESCITALOPRAM OXALATE	Lexapro

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
VENLAFAXINE HCL	venlafaxine
ESCITALOPRAM OXALATE	Lexapro
DULOXETINE HCL	Cymbalta
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
ESCITALOPRAM OXALATE	escitalopram oxalate
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	paroxetine HCl
PAROXETINE HCL	Paxil
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	venlafaxine
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	Effexor
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
DULOXETINE HCL	Cymbalta
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
ESCITALOPRAM OXALATE	Lexapro
CITALOPRAM HYDROBROMIDE	citalopram
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
FLUOXETINE HCL	fluoxetine
PAROXETINE HCL	Paxil CR
ESCITALOPRAM OXALATE	escitalopram oxalate
FLUOXETINE HCL/DIETARY SUPPLEMENT,MISC.COMBO8	Sentroxatine
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	duloxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	Zoloft

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
FLUOXETINE HCL	fluoxetine
OLANZAPINE/FLUOXETINE HCL	olanzapine-fluoxetine
VENLAFAXINE HCL	venlafaxine
DULOXETINE HCL	Cymbalta
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
VENLAFAXINE HCL	Effexor
SERTRALINE HCL	sertraline
DULOXETINE HCL	duloxetine
ESCITALOPRAM OXALATE	escitalopram oxalate
VENLAFAXINE HCL	venlafaxine
VENLAFAXINE HCL	Effexor XR
PAROXETINE HCL	paroxetine HCl
SERTRALINE HCL	sertraline
CITALOPRAM HYDROBROMIDE	citalopram
FLUOXETINE HCL	fluoxetine
VENLAFAXINE HCL	venlafaxine
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
SERTRALINE HCL	sertraline
PAROXETINE HCL	paroxetine HCl
VENLAFAXINE HCL	Effexor
ESCITALOPRAM OXALATE	escitalopram oxalate
SERTRALINE HCL	sertraline
ESCITALOPRAM OXALATE	Lexapro
FLUOXETINE HCL	fluoxetine
CITALOPRAM HYDROBROMIDE	citalopram
CITALOPRAM HYDROBROMIDE	citalopram
Statins	
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	Pravachol
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
NIACIN/LOVASTATIN	Advicor
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	Zocor
FLUVASTATIN SODIUM	fluvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
FLUVASTATIN SODIUM	Lescol
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
FLUVASTATIN SODIUM	Lescol
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	Mevacor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
PITAVASTATIN CALCIUM	Livalo
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
NIACIN/SIMVASTATIN	Simcor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	rosuvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
LOVASTATIN	Mevacor
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin (bulk)
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	Lipitor
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin (bulk)
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
FLUVASTATIN SODIUM	fluvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
NIACIN/SIMVASTATIN	Simcor
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	Altoprev
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
LOVASTATIN	Mevacor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	Pravachol
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
NIACIN/SIMVASTATIN	Simcor
LOVASTATIN	Mevacor
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	Mevacor
ATORVASTATIN CALCIUM	atorvastatin
NIACIN/LOVASTATIN	Advicor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	Zocor
ROSUVASTATIN CALCIUM	Crestor
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	Mevacor
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
ROSUVASTATIN CALCIUM	Crestor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
LOVASTATIN	Altoprev
LOVASTATIN	lovastatin
NIACIN/LOVASTATIN	Advicor
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	Mevacor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
FLUVASTATIN SODIUM	fluvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
FLUVASTATIN SODIUM	Lescol
IMIPENEM/CILASTATIN SODIUM	Primaxin IM
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
FLUVASTATIN SODIUM	fluvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin (bulk)
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin (bulk)
SIMVASTATIN	simvastatin
NIACIN/SIMVASTATIN	Simcor
PRAVASTATIN SODIUM	pravastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
FLUVASTATIN SODIUM	fluvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
FLUVASTATIN SODIUM	Lescol XL
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	Lipitor
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
FLUVASTATIN SODIUM	fluvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
FLUVASTATIN SODIUM	Lescol
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
NIACIN/SIMVASTATIN	Simcor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
FLUVASTATIN SODIUM	Lescol
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
NIACIN/LOVASTATIN	Advicor
FLUVASTATIN SODIUM	Lescol
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	Crestor
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
FLUVASTATIN SODIUM	Lescol
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
PITAVASTATIN CALCIUM	Livalo
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
LOVASTATIN	Altoprev
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	Zocor
FLUVASTATIN SODIUM	fluvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
LOVASTATIN	Mevacor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	Altprev

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PITAVASTATIN CALCIUM	Livalo
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
LOVASTATIN	Altoprev
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	Altoprev
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	Lipitor
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	Mevacor
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	Pravachol
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
LOVASTATIN	Altoprev
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOVASTATIN	lovastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
PRAVASTATIN SODIUM	pravastatin
PITAVASTATIN CALCIUM	Livalo
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	Pravachol
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	Zocor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
FLUVASTATIN SODIUM	Lescol XL
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
IMIPENEM/CILASTATIN SODIUM	Primaxin IV
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
PITAVASTATIN CALCIUM	Livalo
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
NIACIN/LOVASTATIN	Advicor
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	Zocor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
NIACIN/SIMVASTATIN	Simcor
LOVASTATIN	Altoprev
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	Pravachol
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	Pravachol
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
FLUVASTATIN SODIUM	Lescol XL
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
FLUVASTATIN SODIUM	Lescol
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
PRAVASTATIN SODIUM	pravastatin
NIACIN/LOVASTATIN	Advicor
LOVASTATIN	lovastatin
NIACIN/SIMVASTATIN	Simcor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
NIACIN/SIMVASTATIN	Simcor
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
IMIPENEM/CILASTATIN SODIUM	Primaxin IV
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
IMIPENEM/CILASTATIN SODIUM	Primaxin IV
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
ATORVASTATIN CALCIUM	atorvastatin
NIACIN/LOVASTATIN	Advicor
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
FLUVASTATIN SODIUM	Lescol
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	Mevacor
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
NIACIN/SIMVASTATIN	Simcor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
FLUVASTATIN SODIUM	fluvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
FLUVASTATIN SODIUM	Lescol
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	Lipitor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	Pravachol
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	Mevacor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
ATORVASTATIN CALCIUM	Lipitor
IMIPENEM/CILASTATIN SODIUM	Primaxin IV
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	Pravachol
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
FLUVASTATIN SODIUM	Lescol XL
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
SIMVASTATIN	Zocor
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
FLUVASTATIN SODIUM	Lescol XL
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
NIACIN/LOVASTATIN	Advicor
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	Mevacor
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
ATORVASTATIN CALCIUM	Lipitor
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
NIACIN/SIMVASTATIN	Simcor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
NIACIN/SIMVASTATIN	Simcor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
EZETIMIBE/ATORVASTATIN CALCIUM	Liptruzet
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
PITAVASTATIN CALCIUM	Livalo
LOVASTATIN	lovastatin
LOVASTATIN	Mevacor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
NIACIN/LOVASTATIN	Advicor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
FLUVASTATIN SODIUM	fluvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
NIACIN/SIMVASTATIN	Simcor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
PRAVASTATIN SODIUM	Pravachol
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	Mevacor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	rosuvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	Zocor
FLUVASTATIN SODIUM	fluvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
LOVASTATIN	lovastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
NIACIN/SIMVASTATIN	Simcor
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	Lipitor
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
IMIPENEM/CILASTATIN SODIUM	Primaxin IV
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	Pravachol
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
IMIPENEM/CILASTATIN SODIUM	imipenem-cilastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
NIACIN/LOVASTATIN	Advicor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
FLUVASTATIN SODIUM	fluvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
PRAVASTATIN SODIUM	Pravachol
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	lovastatin
ROSUVASTATIN CALCIUM	Crestor
PRAVASTATIN SODIUM	pravastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-40
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
EZETIMIBE/SIMVASTATIN	Vytorin 10-10
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
LOVASTATIN	lovastatin
FLUVASTATIN SODIUM	fluvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
LOVASTATIN	Altoprev
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
LOVASTATIN	lovastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
FLUVASTATIN SODIUM	fluvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
SIMVASTATIN	Zocor
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SITAGLIPTIN PHOSPHATE/SIMVASTATIN	Juvisync
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	Caduet
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-20
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
EZETIMIBE/SIMVASTATIN	Vytorin 10-80
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
IMIPENEM/CILASTATIN SODIUM	Primaxin IV
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
FLUVASTATIN SODIUM	fluvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	Crestor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	Zocor
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin
ROSUVASTATIN CALCIUM	Crestor
LOVASTATIN	Mevacor
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
ATORVASTATIN CALCIUM	atorvastatin
ATORVASTATIN CALCIUM	atorvastatin
PRAVASTATIN SODIUM	pravastatin
AMLODIPINE BESYLATE/ATORVASTATIN CALCIUM	amlodipine-atorvastatin
ROSUVASTATIN CALCIUM	Crestor
ATORVASTATIN CALCIUM	Lipitor
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
SIMVASTATIN	simvastatin
ROSUVASTATIN CALCIUM	rosuvastatin
ROSUVASTATIN CALCIUM	Crestor
ROSUVASTATIN CALCIUM	rosuvastatin
ATORVASTATIN CALCIUM	Lipitor
LOVASTATIN	lovastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin
PRAVASTATIN SODIUM	pravastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
LOVASTATIN	lovastatin
ATORVASTATIN CALCIUM	atorvastatin

Appendix F. List of Generic and Brand Names Used to Define Covariates in this Request

Generic Name	Brand Name
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
ATORVASTATIN CALCIUM	atorvastatin
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin
SIMVASTATIN	simvastatin
SIMVASTATIN	simvastatin

Appendix G. 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 Used to Define Outcomes in this Request

Code	Description	Code Type
Epilepsy and Convulsions		
345	Epilepsy and recurrent seizures	ICD-9-CM Diagnosis
345.0	Generalized nonconvulsive epilepsy	ICD-9-CM Diagnosis
345.00	Generalized nonconvulsive epilepsy without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.01	Generalized nonconvulsive epilepsy with intractable epilepsy	ICD-9-CM Diagnosis
345.1	Generalized convulsive epilepsy	ICD-9-CM Diagnosis
345.10	Generalized convulsive epilepsy without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.11	Generalized convulsive epilepsy with intractable epilepsy	ICD-9-CM Diagnosis
345.2	Epileptic petit mal status	ICD-9-CM Diagnosis
345.3	Epileptic grand mal status	ICD-9-CM Diagnosis
345.4	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures	ICD-9-CM Diagnosis
345.40	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.41	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, with intractable epilepsy	ICD-9-CM Diagnosis
345.5	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures	ICD-9-CM Diagnosis
345.50	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.51	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, with intractable epilepsy	ICD-9-CM Diagnosis
345.6	Infantile spasms	ICD-9-CM Diagnosis
345.60	Infantile spasms without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.61	Infantile spasms with intractable epilepsy	ICD-9-CM Diagnosis
345.7	Epilepsia partialis continua	ICD-9-CM Diagnosis
345.70	Epilepsia partialis continua without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.71	Epilepsia partialis continua with intractable epilepsy	ICD-9-CM Diagnosis
345.8	Other forms of epilepsy and recurrent seizures	ICD-9-CM Diagnosis
345.80	Other forms of epilepsy and recurrent seizures, without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.81	Other forms of epilepsy and recurrent seizures, with intractable epilepsy	ICD-9-CM Diagnosis
345.9	Unspecified epilepsy	ICD-9-CM Diagnosis
345.90	Unspecified epilepsy without mention of intractable epilepsy	ICD-9-CM Diagnosis
345.91	Unspecified epilepsy with intractable epilepsy	ICD-9-CM Diagnosis
G40.001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.009	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.011	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.019	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.101	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus	ICD-10-CM Diagnosis

Appendix G. 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 Used to Define Outcomes in this Request

Code	Description	Code Type
G40.109	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.111	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.119	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.201	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.209	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.211	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.219	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.301	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.309	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.311	Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.319	Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.401	Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.411	Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.419	Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.501	Epileptic seizures related to external causes, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.509	Epileptic seizures related to external causes, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.801	Other epilepsy, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.802	Other epilepsy, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.803	Other epilepsy, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.804	Other epilepsy, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.811	Lennox-Gastaut syndrome, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.812	Lennox-Gastaut syndrome, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.813	Lennox-Gastaut syndrome, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.814	Lennox-Gastaut syndrome, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.821	Epileptic spasms, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.822	Epileptic spasms, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.823	Epileptic spasms, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.824	Epileptic spasms, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.89	Other seizures	ICD-10-CM Diagnosis
G40.901	Epilepsy, unspecified, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.909	Epilepsy, unspecified, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.911	Epilepsy, unspecified, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.919	Epilepsy, unspecified, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.A01	Absence epileptic syndrome, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.A09	Absence epileptic syndrome, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.A11	Absence epileptic syndrome, intractable, with status epilepticus	ICD-10-CM Diagnosis

Appendix G. 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 Used to Define Outcomes in this Request

Code	Description	Code Type
G40.A19	Absence epileptic syndrome, intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.B01	Juvenile myoclonic epilepsy, not intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.B09	Juvenile myoclonic epilepsy, not intractable, without status epilepticus	ICD-10-CM Diagnosis
G40.B11	Juvenile myoclonic epilepsy, intractable, with status epilepticus	ICD-10-CM Diagnosis
G40.B19	Juvenile myoclonic epilepsy, intractable, without status epilepticus	ICD-10-CM Diagnosis
780.3	Convulsions	ICD-9-CM Diagnosis
780.31	Febrile convulsions (simple), unspecified	ICD-9-CM Diagnosis
780.32	Complex febrile convulsions	ICD-9-CM Diagnosis
780.33	Post traumatic seizures	ICD-9-CM Diagnosis
780.39	Other convulsions	ICD-9-CM Diagnosis
R56.00	Simple febrile convulsions	ICD-10-CM Diagnosis
R56.01	Complex febrile convulsions	ICD-10-CM Diagnosis
R56.1	Post traumatic seizures	ICD-10-CM Diagnosis
R56.9	Unspecified convulsions	ICD-10-CM Diagnosis

Appendix H. Specifications Defining Parameters for this Request (Part One)

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool, version 3.6.6, to evaluate the distribution of baseline covariates for patients getting an Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) in the Sentinel Distributed Database (SDD).

Query Period: January 1, 2008 - Data Partner Data Completeness Date
Coverage Requirement: Medical and Drug Coverage
Enrollment Gap: 45 Days
Pre-Exposure Enrollment: 183 Days
Age Groups: 2-17, 18-44, 45-64, 65+ Years

Scenario	Drug/Exposure				Inclusion/Exclusion Criteria			Inclusion/Exclusion Criteria				Baseline Covariates		Event/Outcome			
	Incident Exposure	Care Setting	Incident with Respect to	Washout (Days)	Cohort Definition	Censor due to Evidence of Death	Pre-Existing Conditions	Care Setting	Include/Exclude	Lookback Period (Days)	Pre-Existing Conditions	Care Setting	Include/Exclude	Lookback Period (Days)	Covariate Evaluation Window (Days)	Covariates	Event/Outcome
1	Contrast MRI/MRA - Extremity or Non-Extremity	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Any contrast MRI/MRA	183	Retain first valid incident exposure episode only	Yes	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Any	Exclude	-183, -1	Head MRI/MRA	Any	Exclude	0, 0	-183, -1	See Appendices F and F	Dummy
2	Non-Contrast MRI/MRA - Extremity or Non-Extremity	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Any contrast or non-contrast MRI/MRA	183	Retain first valid incident exposure episode only	Yes	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Any	Exclude	-183, -1	Head MRI/MRA	Any	Exclude	0, 0	-183, -1	See Appendices F and F	Dummy

International Classification of Diseases, Ninth and Tenth Revisions (ICD-9 and ICD-10), Healthcare Common Procedural 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 I. Specifications Defining Parameters for this Request (Part Two)

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool, version 3.6.6, to evaluate the rate of seizures occurring on the day of Magnetic Resonance Imaging (MRI) or Magnetic Resonance Angiography (MRA) receipt (exposure risk window) versus the following 42 days (control window) in the Sentinel Distributed Database (SDD) using a self-controlled risk interval (SCRI) design.

Query Period: January 1, 2018 - Data Partner Data Completeness Date
Coverage Requirement: Medical and Drug Coverage
Enrollment Gap: 45 days
Pre-Exposure Enrollment: 183 days
Post-Exposure Enrollment: 0 days
Age Groups: 2-17, 18-44, 45-64, 65+ years

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
Description:	Overall MRI/MRA	Only Non-Extremity MRI/MRA	Only Extremity MRI/MRA	MRA - Extremity and Non-Extremity	Overall MRI/MRA in (Ambulatory Visit (AV) or Other Ambulatory Visit (OA) AND NOT (Emergency Department (ED) or Inpatient Hospital Stay (IP))	Overall MRI/MRA Non-Contrast
Exposure						
Incident exposure:	MRI/MRA - Extremity or Non-Extremity	MRI/MRA - Non-Extremity	MRI/MRA - Extremity	MRA - Extremity or Non-Extremity	MRI/MRA - Extremity or Non-Extremity	Non-Contrast MRI/MRA - Extremity or Non-Extremity
Code list(s)	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity <i>See Appendix B</i>	MRI with Contrast: Non-Extremity or MRA with Contrast: Non-Extremity <i>See Appendix B</i>	MRI with Contrast: Extremity or MRA with Contrast: Extremity <i>See Appendix B</i>	MRA with Contrast: Extremity or MRA with Contrast: Non-Extremity <i>See Appendix B</i>	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity <i>See Appendix B</i>	MRI without Contrast: Extremity, MRI without Contrast: Non-Extremity, MRA without Contrast: Extremity, MRA without Contrast: Non-Extremity <i>See Appendix B</i>
Care Setting:	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)	Ambulatory Visit (AV) or Other Ambulatory Visit (OA)
Incident with respect to:	Any MRI/MRA	Any MRI/MRA	Any MRI/MRA	Any MRI/MRA	Any MRI/MRA	Any MRI/MRA
Code list(s)	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity, MRI with Contrast: Head, MRA with Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity, MRI with Contrast: Head, MRA with Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity, MRI with Contrast: Head, MRA with Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity, MRI with Contrast: Head, MRA with Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity, MRI with Contrast: Head, MRA with Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRI without Contrast: Extremity, MRI without Contrast: Non-Extremity, MRA without Contrast: Extremity, MRA without Contrast: Non-Extremity, MRI without Contrast: Head, MRA without Contrast: Head <i>See Appendix B</i>
Washout (Days):	183	183	183	183	183	183
Cohort Definition:	Retain all valid incident exposure episodes	Retain all valid incident exposure episodes	Retain all valid incident exposure episodes	Retain all valid incident exposure episodes	Retain all valid incident exposure episodes	Retain all valid incident exposure episodes
Censor at Evidence of Death:	Yes	Yes	Yes	Yes	Yes	Yes
Inclusion/ Exclusion Criteria						
Pre-existing Conditions:	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression	Epilepsy/convulsions, AMI, stroke, brain tumor, Alzheimer's disease, autism spectrum disorder, illegal or legal drug overdose, head injury, kidney disease, syncope, head CT, head MRI/MRA (non-contrast), drug dependency, brain compression
Care Setting:	Any	Any	Any	Any	Any	Any
Include/Exclude:	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude
Lookback Period (Days):	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1	-183, -1

Appendix I.Specifications Defining Parameters for this Request (Part Two)						
	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
Description:	Overall MRI/MRA	Only Non-Extremity MRI/MRA	Only Extremity MRI/MRA	MRA - Extremity and Non-Extremity	Overall MRI/MRA in (Ambulatory Visit (AV) or Other Ambulatory Visit (OA)) AND NOT (Emergency Department (ED) or Inpatient Hospital Stay (IP))	Overall MRI/MRA Non-Contrast
Pre-existing Condition:	Head MRI/MRA	Head MRI/MRA and Extremity MRI/MRA	Head MRI/MRA and Non-Extremity MRI/MRA	Head MRI/MRA	Head MRI/MRA	Head MRI/MRA
Code list(s)	MRI with Contrast: Head, MRA with Contrast: Head, MRI without Contrast: Head, MRA without Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Head, MRA with Contrast: Head, MRI without Contrast: Head, MRA without Contrast: Head, MRI with Contrast: Extremity, MRA with Contrast: Extremity <i>See Appendix B</i>	MRI with Contrast: Head, MRA with Contrast: Head, MRI without Contrast: Head, MRA without Contrast: Head, MRI with Contrast: Non-Extremity, MRA with Contrast: Non-Extremity <i>See Appendix B</i>	MRI with Contrast: Head, MRA with Contrast: Head, MRI without Contrast: Head, MRA without Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Head, MRA with Contrast: Head, MRI without Contrast: Head, MRA without Contrast: Head <i>See Appendix B</i>	MRI with Contrast: Head, MRA with Contrast: Head, MRI without Contrast: Head, MRA without Contrast: Head <i>See Appendix B</i>
Care Setting:	Any	Any	Any	Any	Any	Any
Include/Exclude:	Exclude	Exclude	Exclude	Exclude	Exclude	Exclude
Lookback Period (Days):	0, 0	0, 0	0, 0	0, 0	0, 0	0, 0
Pre-existing Condition:					MRI/MRA - Extremity or Non-Extremity	
Code list(s)	N/A	N/A	N/A	N/A	MRI with Contrast: Extremity, MRI with Contrast: Non-Extremity, MRA with Contrast: Extremity, MRA with Contrast: Non-Extremity <i>See Appendix B</i>	N/A
Care Setting:					Emergency Department (ED) or Inpatient (IP)	
Include/Exclude:					Exclude	
Lookback Period (Days):					0, 0	
Outcome Assessment Windows						
Risk Window:	0, 0	0,0	0,0	0,0	0,0	0, 0
Control Window:	1, 42	1, 42	1, 42	1, 42	1, 42	1, 42
Event/ Outcome						
Event/Outcome:	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions
Care Setting/DX Position:	Emergency Department (ED)* or Inpatient Primary (IPP)	Emergency Department (ED)* or Inpatient Primary (IPP)	Emergency Department (ED)* or Inpatient Primary (IPP)	Emergency Department (ED)* or Inpatient Primary (IPP)	Emergency Department (ED)* or Inpatient Primary (IPP)	Emergency Department (ED)* or Inpatient Primary (IPP)
Envelope Macro:	Off	Off	Off	Off	Off	Off
Incident with respect to:	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions	Epilepsy or Convulsions
Incidence Care Setting/DX Position:	Any	Any	Any	Any	Any	Any
Washout (Days):	183	183	183	183	183	183

International Classification of Diseases, Ninth and Tenth Revisions (ICD-9 and ICD-10), Healthcare Common Procedural 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."