## **Modular Program Report**



## Disclaimer

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

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

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

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

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## Overview

Request ID: icd10\_mpl1r\_wp001\_nsdp\_v01

Request Description: This report contains estimates of the frequency of diagnoses for a selection of health outcomes using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes. Three health outcomes were investigated: angioedema, acute myocardial infarction (AMI), and ischemic stroke.

Sentinel Modular Program Tool Used: Cohort Identification and Descriptive Analysis (CIDA) tool, Version 3.3.2

<u>Data Source:</u> Data from October 1, 2010 to August 31, 2016 from 11 health plans contributing to the Sentinel Distributed Database (SDD) were included in this report. The report includes three separate monitoring periods: 1) October 1, 2010 to August 31, 2016 2) January 1, 2015 to March 31, 2015 and 3) January 1, 2016 to March 31, 2016. This request was distributed to 9 health plans on December 29, 2016 and to 2 health plans on March 23, 2017. See Appendix A for a list of the latest dates of available data for each Data Partner.

<u>Study Design:</u> This request was designed to identify events of interest. The number of qualifying patients with the event of interest was calculated overall and stratified by year/month.

Events of Interest: The events of interest were angioedema diagnosis that occurred in any care setting, AMI diagnosis that occurred in the inpatient care setting with a principal diagnosis position, and ischemic stroke diagnosis that occurred in the inpatient care setting with a principal diagnosis position. Diagnoses were defined using ICD-9-CM as well as ICD-10-CM diagnosis codes. The Centers for Medicare and Medicaid Services (CMS) General Equivalence Mappings (GEMs) were used to determine appropriate ICD-10-CM codes using Simple Forward Mapping and Forward Backward Mapping. See Appendices B-J for specific codes.

<u>Cohort Eligibility Criteria:</u> Patients were required to be continuously enrolled in plans with medical coverage for at least 6 months (183 days) before their diagnosis date, during which gaps in coverage of up to 45 days were allowed. The following age groups were included in the cohort: 0-17, 18-49, 50-64, 65+ years.

Please refer to Appendices K-M for detailed specifications of parameters used in the analyses for this request.

**Notes:** Please contact the Sentinel Operations Center Query Fulfillment Team (qf@sentinelsystem.org) for questions and to provide comments/suggestions for future enhancements to this document.



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

**Amount Supplied** - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing. This is equivalent to the "RxAmt" value in the Sentinel Common Data Model.

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

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

**Cohort Definition (drug/exposure)** - indicates how the cohort will be defined: (1) 01: Cohort includes only the first valid treatment episode during the query period; (2) 02: Cohort includes all valid treatment episodes during the query period; (3) 03: Cohort includes all **Days Supplied** - number of days supplied for all dispensings in qualifying treatment episodes.

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

**Episodes** - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged **Enrollment Gap** - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled"

**Episode Gap** - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the **Event Deduplication** - specifies how events are counted by the MP algorithm: (0) 0: Counts all occurrences of an HOI during an

exposure episode; (1) 1: de-duplicates occurrences of the same HOI code and code type on the same day; (2) 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

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

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

**Lookback Period (pre-existing condition)** - number of days wherein a member is required to have evidence of pre-existing condition **Maximum Episode Duration** - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps **Member-Years** - sum of all days of enrollment with medical and drug coverage\*\* in the query period preceded by an exposure

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

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

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

**Treatment Episode Truncation Indicator** - indicates whether observation of the incident query code during follow-up requires truncation of valid treatment episodes. A value of Y indicates that the treatment episodes should be truncated at the first occurrence of an incident query code. A value of N indicates that the treatment episodes should not be truncated at the occurrence of the incident **Users** - number of members with exposure during the query period. Member must have no evidence of exposure(s) of interest (defined by incidence criteria) in the prior washout period. A user may only be counted once in a query period.

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

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

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

<sup>\*</sup>all terms may not be used in this report

<sup>\*\*</sup>incident treatment episodes must be incident to both the exposure and the event



Table 1a. Summary of Incident Angioedema Diagnoses using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes for a combination of washouts and code sources: Algorithm, Simple Forward Mapping (SFM), and Forward Backward Mapping (FBM), by Monitoring Period

2010-2016

	Number of Incident				Number of Incident Diagnoses / 1K Eligible
	Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
ICD-9-CM codes from an Algorithm, 183 day washout					
	350,995	350,995	131,338,612	318,997,592.8	2.67
ICD-9-CM codes from SFM and FBM, 183 day washout					
	350,995	350,995	131,338,933	318,998,959.3	2.67
ICD-10-CM codes from an Algorithm, 183 day washout					
	36,528	36,528	131,338,612	319,573,199.3	0.28
ICD-10-CM codes from SFM and FBM, 183 day washout					
	37,019	37,019	131,338,933	319,575,529.6	0.28
ICD-9-CM codes from an Algorithm, SFM, and FBM, 0 day washou	t				
	357,783	651,932	131,346,603	319,813,419.4	2.72
ICD-10-CM codes from an Algorithm, 0 day washout					
	48,058	76,252	131,346,603	319,813,419.4	0.37
ICD-10-CM codes from SFM and FBM, 0 day washout					
	39,791	56,295	131,346,603	319,813,419.4	0.30
<u>2015</u>					
ICD-9-CM codes from an Algorithm, SFM, and FBM, 90 day washo	ut				
	19,486	19,486	57,677,701	13,565,531.3	0.34
<u>2016</u>					
ICD-10-CM codes from an Algorithm, 90 day washout					
	14,719	14,719	57,464,145	13,789,293.4	0.26
ICD-10-CM codes from SFM and FBM, 90 day washout					
	15,020	15,020	57,465,350	13,790,285.6	0.26



Table 1b. Summary of Incident Angioedema Diagnoses using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes for a combination of washouts and code sources: Algorithm, Simple Forward Mapping (SFM), and Forward Backward Mapping (FBM), by Monitoring Period and Year/Month

		Number of Incident				Number of Incident Diagnoses / 1K Eligible
CM co	dos from an Ala	Diagnoses orithm, 183 day washout	Number of Diagnoses	Eligible Members	Member- Years	Members
2010	ues Iroin an Aig	ontinii, 183 day washout				
2010	October	5,981	5,981	57,680,165	4,831,096.8	0.10
	November	5,719	5,719	57,047,446	4,673,472.1	0.10
	December	5,538	5,538	58,325,733	4,847,683.1	0.09
2011	December	3,330	3,330	30,323,733	1,017,003.1	0.03
2011	January	5,710	5,710	54,675,638	4,555,849.5	0.10
	February	5,158	5,158	53,972,033	4,125,230.0	0.10
	March	6,281	6,281	54,272,896	4,586,314.6	0.12
	April	5,582	5,582	54,340,293	4,448,574.5	0.10
	May	5,999	5,999	54,304,722	4,593,073.6	0.11
	June	6,221	6,221	54,134,478	4,433,447.6	0.11
	July	6,383	6,383	58,462,535	4,917,804.0	0.11
	August	7,085	7,085	58,890,623	4,928,957.9	0.12
	September	6,506	6,506	58,021,647	4,751,363.3	0.11
	October	6,220	6,220	58,607,091	4,906,096.9	0.11
	November	5,787	5,787	58,007,031	4,750,643.3	0.10
	December	5,536	5,536		, ,	0.10
2012	December	5,550	5,550	59,308,973	4,929,812.3	0.09
2012	lanuar.	г 077	г 077	FF 4F2 007	4 (22 207 2	0.11
	January	5,877	5,877	55,452,007	4,623,397.2	0.11
	February	5,549	5,549	54,793,804	4,336,956.0	0.10
	March	5,853	5,853	54,889,121	4,638,603.4	0.11
	April	5,645	5,645	55,004,675	4,505,165.2	0.10
	May	6,099	6,099	54,953,161	4,649,619.2	0.11
	June	5,983	5,983	54,877,418	4,495,830.4	0.11
	July	6,415	6,415	58,587,285	4,944,702.5	0.11
	August	6,767	6,767	59,112,084	4,938,734.0	0.11
	September	5,851	5,851	58,268,943	4,772,290.4	0.10
	October	6,392	6,392	58,790,229	4,925,742.3	0.11
	November	5,454	5,454	58,190,049	4,768,165.9	0.09
	December	5,314	5,314	59,340,819	4,944,383.6	0.09
2013	_					
	January	5,634	5,634	56,071,399	4,659,906.5	0.10
	February	4,998	4,998	55,412,860	4,236,631.4	0.09
	March	5,641	5,641	56,005,074	4,732,479.4	0.10
	April	5,734	5,734	55,966,257	4,584,093.2	0.10
	May	5,958	5,958	55,915,182	4,731,931.4	0.11
	June	5,776	5,776	55,632,660	4,558,837.2	0.10
	July	6,784	6,784	59,403,933	5,003,080.9	0.11
	August	6,643	6,643	59,718,967	5,002,303.7	0.11
	September	6,180	6,180	58,839,006	4,820,056.1	0.11
	October	6,458	6,458	59,327,778	4,973,759.4	0.11
	November	5,453	5,453	58,716,792	4,811,208.1	0.09
	December	5,309	5,309	59,881,168	4,982,051.9	0.09
2014						
	January	5,526	5,526	55,537,567	4,631,596.8	0.10
	February	4,844	4,844	54,850,016	4,194,120.0	0.09
	March	5,244	5,244	55,101,630	4,659,263.6	0.10
	April	5,476	5,476	55,115,028	4,513,245.3	0.10
	May	5,486	5,486	54,990,657	4,653,502.4	0.10
	June	5,559	5,559	55,023,460	4,506,887.3	0.10
	July	6,547	6,547	59,830,334	5,032,735.9	0.11
	August	6,231	6,231	60,067,424	4,979,475.8	0.10
	September	6,120	6,120	58,658,365	4,805,822.4	0.10
	October	6,107	6,107	59,614,026	4,977,643.7	0.10
	November	5,012	5,012	58,923,466	4,828,835.9	0.09
	December	5,401	5,401	59,946,098	4,991,874.9	0.09



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnoses / 1K Eligib Members
2015						
	January	5,237	5,237	55,916,426	4,661,780.6	0.09
	February	4,847	4,847	55,235,056	4,183,420.5	0.09
	March	5,738	5,738	55,364,131	4,676,665.3	0.10
	April	5,566	5,566	55,452,568	4,538,574.1	0.10
	May	5,338	5,338	55,419,709	4,689,234.3	0.10
	June	5,934	5,934	55,448,287	4,542,171.2	0.11
	July	6,700	6,700	59,904,408	5,040,994.9	0.11
	August	6,493	6,493	60,489,882	5,043,958.6	0.11
	September	6,116	6,116	59,577,712	4,880,920.4	0.10
	October	0	0	60,187,363	5,036,966.2	0.00
	November	0	0	59,502,372	4,875,362.2	0.00
	December	0	0	60,482,650	5,041,331.8	0.00
2016					-,- :-,	
	January	0	0	55,963,417	4,671,605.3	0.00
	February	0	0	55,287,234	4,378,287.3	0.00
	March	0	0			0.00
				55,666,165	4,688,146.8	
	April	0	0	40,668,034	3,333,890.6	0.00
	May	0	0	18,854,265	1,598,688.7	0.00
	June	0	0	18,876,039	1,549,596.5	0.00
	July	0	0	6,051,447	512,069.3	0.00
	August	0	0	4,805,888	359,575.7	0.00
	les from SFM ar	nd FBM, 183 day washout				
2010						
	October	5,981	5,981	57,680,165	4,831,096.8	0.10
	November	5,719	5,719	57,047,446	4,673,472.1	0.10
	December	5,538	5,538	58,325,733	4,847,683.1	0.09
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	June	6,221	6,221	54,134,478	4,433,447.6	0.11
	July	6,383	6,383	58,462,535	4,917,804.0	0.11
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2013		F. CO.	F 63.1	FC 071 000	4 650 000 5	2.42
	January	5,634	5,634	56,071,399	4,659,906.5	0.10
	February	4,998	4,998	55,412,860	4,236,631.4	0.09
	March	5,641	5,641	56,005,074	4,732,479.4	0.10
	April	5,734	5,734	55,966,257	4,584,093.2	0.10
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	October	6,107	6,107	59,614,026	4,977,643.7	0.10
	November	5,012	5,012	58,923,466	4,828,835.9	0.09
	December	5,401	5,401	59,946,098	4,991,874.9	0.09
2015				55 04C 40C	4 664 700 6	0.00
	January	5,237	5,237	55,916,426	4,661,780.6	0.09
	February	4,847	4,847	55,235,056	4,183,420.5	0.09
	March	5,738	5,738	55,364,131	4,676,665.3	0.10
	April	5,566	5,566	55,452,568	4,538,574.1	0.10
	May	5,338	5,338	55,419,709	4,689,234.3	0.10
	June	5,934	5,934	55,448,287	4,542,171.2	0.11
	July	6,700	6,700	59,904,408	5,040,994.9	0.11
	•	·	•			
	August	6,493	6,493	60,489,882	5,043,958.6	0.11
	September	6,116	6,116	59,577,712	4,880,920.4	0.10
	October	0	0	60,187,379	5,036,993.1	0.00
	November	0	0	59,503,036	4,875,439.7	0.00
	December	0	0	60,483,908	5,041,458.8	0.00
2016						
	January	0	0	55,965,131	4,671,768.1	0.00
	February	0	0	55,289,481	4,378,483.8	0.00
	March	0	0	55,669,019	4,688,406.0	0.00
		0	0			0.00
	April			40,670,356	3,334,101.7	
	May	0	0	18,855,448	1,598,801.5	0.00
	June	0	0	18,877,293	1,549,712.9	0.00
	July	0	0	6,051,921	512,114.6	0.00
	August	0	0	4,806,203	359,606.7	0.00
	odes from an Alg	gorithm, 183 day washo	ut			
2010	October	0	0	57,680,165	4,831,096.8	0.00
	November	0	0	57,047,446	4,673,472.1	0.00
					4,847,683.1	
2011	December	0	0	58,325,733	4,847,083.1	0.00
2011		0	0	E 4 CZE C20	4 555 040 5	0.00
	January	0	0	54,675,638	4,555,849.5	0.00
	February	0	0	53,972,033	4,125,230.0	0.00
	March	0	0	54,272,896	4,586,314.6	0.00
	April	0	0	54,344,133	4,448,720.1	0.00
	May	0	0	54,312,815	4,593,592.3	0.00
	June	0	0	54,146,891	4,434,300.8	0.00
	July	0	0	58,479,448	4,919,025.7	0.00
	August	0	0	58,912,088	4,930,565.4	0.00
	September	0	0	58,048,058	4,753,311.3	0.00
	October	0	0	58,638,135	4,908,507.1	0.00
	November	0	0	58,039,845	4,753,365.2	0.00
	December	0	0	59,350,023	4,933,033.5	0.00
2012						
	January	0	0	55,495,202	4,626,813.8	0.00
	February	0	0	54,841,763	4,340,536.2	0.00
	March	0	0	54,942,014	4,642,826.2	0.00
	April	0	0	55,061,933	4,509,632.0	0.00
	-	0	0			0.00
	May			55,014,641	4,654,605.2	
	June	0	0	54,942,824	4,500,988.0	0.00
				58,656,490	4,950,330.3	0.00
	July	0	0	36,030,430	.,,	
		0 0	0 0	59,185,865	4,944,728.7	0.00
	July					
	July August	0	0	59,185,865 58,346,950	4,944,728.7 4,778,439.9	0.00
	July August September October	0 0 0	0 0 0	59,185,865 58,346,950 58,872,497	4,944,728.7 4,778,439.9 4,932,456.8	0.00 0.00 0.00
	July August September	0 0	0 0	59,185,865 58,346,950	4,944,728.7 4,778,439.9	0.00 0.00



		Number of Incident				Diagnoses / 1K Eligil
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2013						
	January	0	0	56,162,224	4,667,330.0	0.00
	February	0	0	55,507,525	4,243,655.8	0.00
	March	0	0	56,104,231	4,740,612.1	0.00
	April	0	0	56,069,275	4,592,302.0	0.00
	May	0	0	56,022,065	4,740,751.0	0.00
	June	0	0	55,742,881	4,567,662.1	0.00
	July	0	0	59,517,563	5,012,458.6	0.00
	August	0	0	59,836,533	5,012,004.9	0.00
	September	0	0	58,959,869	4,829,723.4	0.00
	October	0	0	59,452,715	4,984,074.2	0.00
	November	0	0	58,845,643	4,821,529.6	0.00
	December	0	0	60,014,439	4,993,066.8	0.00
2014						
	January	0	0	55,665,230	4,642,116.1	0.00
	February	0	0	54,981,246	4,203,933.8	0.00
	March	0	0	55,237,001	4,670,464.2	0.00
	April	0	0	55,253,792	4,524,386.9	0.00
	May	0	0	55,133,153	4,665,321.5	0.00
	June	0	0	55,168,673	4,518,590.9	0.00
	July	0	0	59,979,178	5,045,088.9	0.00
	August	0	0	60,219,077	4,991,973.4	0.00
	September	0	0	58,811,866	4,818,181.0	0.00
	October	0	0	59,771,341	4,990,700.1	0.00
	November	0	0	59,083,778	4,841,745.7	0.00
	December	1	1	60,110,142	5,005,500.3	0.00
2015				, -,	-,,	
	January	0	0	56,074,799	4,674,905.3	0.00
	February	0	0	55,396,561	4,195,448.2	0.00
	March	0	0	55,527,932	4,690,289.1	0.00
	April	0	0	55,620,010	4,552,051.4	0.00
	May	0	0	55,590,202	4,703,444.8	0.00
	June	0	0	55,621,260	4,556,157.1	0.00
	July	2	2	60,081,441	5,055,732.2	0.00
	August	4	4	60,670,215	5,058,967.1	0.00
	September	28	28	59,761,034	4,895,705.6	0.00
	October	5,309	5,309	60,374,536	5,052,535.7	0.09
	November	4,822	4,822	59,692,686	4,890,737.4	0.08
	December	5,069	5,069	60,677,278	5,057,510.6	0.08
2016	December	3,003	3,003	00,077,270	3,037,310.0	0.00
2010	January	4,664	4,664	56,149,806	4,687,069.1	0.08
	February	4,589	4,589	55,476,971	4,393,079.8	0.08
	March April	4,782 3,395	4,782 3,395	55,860,160 40,811,657	4,704,228.5 3,345,727.7	0.09 0.08
	-			40,811,657 18,918,977	· ·	0.08
	May	1,553	1,553		1,604,205.4	
	June	1,606	1,606	18,939,127	1,554,804.1	0.08
	July	406	406	6,075,503	514,122.4	0.07
0.004	August	298	298	4,824,781	360,961.0	0.06
	odes from SFM a	nd FBM, 183 day wash	DUT			
2010	October	0	0	E7 600 16F	4 924 006 9	0.00
	October	0	0	57,680,165	4,831,096.8	0.00
	November	0	0	57,047,446	4,673,472.1	0.00
	December	0	0	58,325,733	4,847,683.1	0.00



	Number of Incident	Number of Diagnoses	Eligible Manchaus	Member- Years	Number of Inciden Diagnoses / 1K Eligib Members
2011	Diagnoses	Number of Diagnoses	Eligible Members	iviember- Years	iviempers
January	0	0	54,675,638	4,555,849.5	0.00
February	0	0	53,972,033	4,125,230.0	0.00
March	0	0	54,272,896	4,586,314.6	0.00
April	0	0	54,344,133	4,448,720.1	0.00
May	0	0	54,312,815	4,593,592.3	0.00
June	0	0	54,146,891	4,434,300.8	0.00
July	0	0	58,479,448	4,919,025.7	0.00
August	0	0	58,912,088	4,930,565.4	0.00
September	0	0	58,048,058	4,753,311.3	0.00
October	0	0			0.00
November	0	0	58,638,135 58,039,845	4,908,507.1 4,753,365.2	0.00
December	0	0			0.00
2012	U	Ü	59,350,023	4,933,033.5	0.00
	0	0	FF 40F 202	4 626 912 9	0.00
January	0		55,495,202	4,626,813.8	0.00
February	0	0	54,841,763	4,340,536.2	0.00
March	0	0	54,942,014	4,642,826.2	0.00
April	0	0	55,061,933	4,509,632.0	0.00
May	0	0	55,014,641	4,654,605.2	0.00
June	0	0	54,942,824	4,500,988.0	0.00
July	0	0	58,656,490	4,950,330.3	0.00
August	0	0	59,185,865	4,944,728.7	0.00
September	0	0	58,346,950	4,778,439.9	0.00
October	0	0	58,872,497	4,932,456.8	0.00
November	0	0	58,276,813	4,775,040.2	0.00
December 2013	0	0	59,432,524	4,951,879.1	0.00
January	0	0	56,162,224	4,667,330.0	0.00
February	0	0	55,507,525	4,243,655.8	0.00
March	0	0	56,104,231	4,740,612.1	0.00
April	0	0	56,069,275	4,592,302.0	0.00
May	0	0	56,022,065	4,740,751.0	0.00
June	0	0	55,742,881	4,567,662.1	0.00
July	0	0	59,517,563	5,012,458.6	0.00
August	0	0	59,836,533	5,012,004.9	0.00
September	0	0	58,959,869	4,829,723.4	0.00
October	0	0	59,452,715	4,984,074.2	0.00
November	0	0	58,845,643	4,821,529.6	0.00
December	0	0	60,014,439	4,993,066.8	0.00
2014	U	U	00,014,433	4,993,000.8	0.00
January	0	0	55,665,230	4,642,116.1	0.00
February	0	0	54,981,246	4,203,933.8	0.00
March	0	0	55,237,001	4,670,464.2	0.00
April	0	0	55,253,792	4,524,386.9	0.00
May	0	0	55,133,153	4,665,321.5	0.00
June	0	0	55,168,673	4,518,590.9	0.00
July	0	0	59,979,178	5,045,088.9	0.00
August	0	0	60,219,077	4,991,973.4	0.00
September	0	0	58,811,866	4,818,181.0	0.00
October	0	0	59,771,341	4,990,700.1	0.00
November	0	0	59,083,778	4,841,745.7	0.00



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incider Diagnoses / 1K Eligi Members
2015		<del>-</del>	<u> </u>	-		
	January	0	0	56,074,799	4,674,905.3	0.00
	February	0	0	55,396,561	4,195,448.2	0.00
	March	0	0	55,527,932	4,690,289.1	0.00
	April	0	0	55,620,010	4,552,051.4	0.00
	May	0	0	55,590,202	4,703,444.8	0.00
	June	0	0	55,621,260	4,556,157.1	0.00
	July	2	2	60,081,441	5,055,732.2	0.00
	August	4	4	60,670,215	5,058,967.1	0.00
	September	28	28	59,761,034	4,895,705.6	0.00
	•					
	October	5,327	5,327	60,374,595	5,052,576.4	0.09
	November	4,862	4,862	59,693,754	4,890,857.3	0.08
	December	5,114	5,114	60,679,355	5,057,715.0	0.08
2016						
	January	4,728	4,728	56,152,796	4,687,341.2	0.08
	February	4,669	4,669	55,481,111	4,393,423.5	0.08
	March	4,878	4,878	55,865,949	4,704,713.4	0.09
	April	3,476	3,476	40,815,820	3,346,121.4	0.09
	May	1,574	1,574	18,920,904	1,604,391.0	0.08
	June	1,638	1,638	18,941,013	1,554,981.4	0.09
	July	418	418	, ,	514,187.2	0.07
	•			6,076,158	•	
•••	August	300	300	4,825,214	361,004.0	0.06
	des from an Algo	orithm, SFM, and FBM, 0	day washout			
2010	October	0.157	10.127	F7 716 1F2	4 924 624 7	0.14
		8,157	10,127	57,716,153	4,834,624.7	
	November	7,882	9,756	57,083,139	4,676,871.8	0.14
	December	7,637	9,347	58,361,401	4,851,164.3	0.13
2011						
	January	7,696	9,564	54,708,355	4,559,066.6	0.14
	February	7,104	8,838	54,004,537	4,128,109.5	0.13
	March	8,541	10,671	54,304,661	4,589,505.2	0.16
	April	7,675	9,451	54,376,438	4,451,813.2	0.14
	May	8,130	9,953	54,345,382	4,596,809.0	0.15
	•	•	•			
	June	8,433	10,353	54,180,080	4,437,454.8	0.16
	July	8,630	10,599	58,516,097	4,922,622.7	0.15
	August	9,701	12,063	58,949,591	4,934,256.4	0.16
	September	9,023	11,199	58,085,767	4,756,913.3	0.16
	October	8,797	10,973	58,676,595	4,912,248.5	0.15
	November	8,411	10,455	58,078,196	4,756,987.5	0.14
	December	8,188	10,251	59,388,173	4,936,750.4	0.14
2012		•	•			
	January	8,438	10,681	55,530,223	4,630,251.0	0.15
	February	8,136	10,129	54,876,327	4,343,731.8	0.15
	•					
	March	8,527	10,559	54,975,889	4,646,212.7	0.16
	April	8,318	10,203	55,096,138	4,512,914.6	0.15
	May	8,895	11,020	55,049,184	4,658,029.6	0.16
	June	8,537	10,515	54,978,230	4,504,350.2	0.16
	July	9,265	11,305	58,694,936	4,954,101.6	0.16
	August	9,820	12,121	59,224,748	4,948,556.2	0.17
	September	8,672	10,532	58,386,075	4,782,162.8	0.15
	October	9,570	11,969	58,911,806	4,936,312.3	0.16
	November	8,451	10,396	58,315,915	4,778,740.5	0.14
	December	8,132	9,911	59,471,414	4,955,666.4	0.14
2013	_ = = = = = = = = = = = = = = = = = = =	0,132	5,511	55, 1, 1, 11T	.,555,000.4	0.17
-013	January	8,555	10,595	56,197,731	4,670,823.4	0.15
	-		9,554			0.14
	February	7,748		55,542,762	4,246,777.7	
	March	8,551	10,586	56,138,854	4,744,073.1	0.15
	April	8,894	11,046	56,104,107	4,595,653.8	0.16
	May	9,007	11,287	56,057,246	4,744,239.6	0.16
	June	8,703	10,779	55,778,760	4,571,072.3	0.16
	July	10,081	12,619	59,556,573	5,016,305.0	0.17
	August	10,069	12,533	59,876,675	5,015,940.4	0.17
	September	9,435	11,634	59,000,407	4,833,576.6	0.16
	October	9,945	12,414	59,493,519	4,988,077.6	0.10
	November	8,700	10,925	58,886,507	4,825,393.1	0.15
	December	8,588	10,645	60,055,310	4,997,010.4	0.14



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Diagnoses / 1K Eli
2014				J		
	January	8,566	10,747	55,701,673	4,645,703.0	0.15
	February	7,754	9,723	55,017,049	4,207,098.7	0.14
	-					
	March	8,321	10,393	55,271,800	4,673,920.9	0.15
	April	8,530	10,623	55,288,350	4,527,701.2	0.15
	May	8,467	10,565	55,167,407	4,668,733.3	0.15
	June	8,592	10,595	55,203,751	4,521,918.7	0.16
		9,947	12,392	60,017,841		0.17
	July				5,048,903.4	
	August	9,597	11,819	60,258,780	4,995,827.3	0.16
	September	9,582	11,949	58,851,445	4,821,953.3	0.16
	October	9,743	12,221	59,811,527	4,994,616.9	0.16
	November	8,152	10,130	59,123,837	4,845,527.4	0.14
				• •		
2015	December	8,708	10,957	60,149,691	5,009,350.1	0.14
	January	8,249	10,401	56,110,525	4,678,415.9	0.15
	February	7,680	9,533	55,431,573	4,198,556.6	0.14
	March	9,077	11,330	55,562,529	4,693,730.3	0.16
	April	8,988	11,175	55,654,716	4,555,384.6	0.16
	May	8,515	10,582	55,625,323	4,706,910.3	0.15
	June	9,359	11,667	55,657,221	4,559,569.0	0.17
	July	10,385	12,910	60,121,043	5,059,633.5	0.17
	August	10,048	12,566	60,711,514	5,062,973.3	0.17
	-					
	September	9,724	12,095	59,802,370	4,899,634.6	0.16
	October	1	1	60,415,951	5,056,566.0	0.00
	November	0	0	59,733,371	4,894,566.1	0.00
	December	0	0	60,716,875	5,061,375.7	0.00
2016	December	Ü	O	00,710,073	3,001,373.7	0.00
	January	0	0	56,184,879	4,690,539.7	0.00
	February	0	0	55,510,698	4,396,218.4	0.00
	-	0	0			
	March			55,892,627	4,707,486.7	0.00
	April	0	0	40,838,247	3,348,128.0	0.00
	May	0	0	18,931,915	1,605,398.3	0.00
	June	0	0	18,953,391	1,556,068.3	0.00
	July	0	0	6,080,161	514,545.9	0.00
10 CM c	August	0 orithm, 0 day washout	0	4,828,490	361,293.6	0.00
TO-CIAL C		ontinii, o day wasiiodt				
2010					4,834,624.7	0.00
2010	October	0	0	57,716,153		
2010	October					
2010	October November	0	0	57,083,139	4,676,871.8	0.00
	October November December					
2010	October November December	0 0	0 0	57,083,139 58,361,401	4,676,871.8 4,851,164.3	0.00 0.00
	October November December January	0 0	0 0	57,083,139 58,361,401 54,708,355	4,676,871.8 4,851,164.3 4,559,066.6	0.00 0.00 0.00
	October November December	0 0	0 0	57,083,139 58,361,401	4,676,871.8 4,851,164.3	0.00 0.00 0.00 0.00
	October November December January	0 0	0 0	57,083,139 58,361,401 54,708,355	4,676,871.8 4,851,164.3 4,559,066.6	0.00 0.00 0.00
	October November December January February March	0 0 0 0	0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2	0.00 0.00 0.00 0.00 0.00
	October November December January February March April	0 0 0 0 0	0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2	0.00 0.00 0.00 0.00 0.00 0.00
	October November December January February March April May	0 0 0 0 0 0	0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
	October November December January February March April May June	0 0 0 0 0 0 0	0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	October November December January February March April May	0 0 0 0 0 0	0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
	October November December January February March April May June	0 0 0 0 0 0 0	0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	October November December January February March April May June July August	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	October November December January February March April May June July August September	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	October November December  January February March April May June July August September October	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	October November December  January February March April May June July August September October November	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	October November December  January February March April May June July August September October November December	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2011	October November December  January February March April May June July August September October November December	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March		0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889	4,676,871.8 4,851,164.3 4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April		0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May May		0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April		0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June		0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June July		0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June July August		0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June July August September September January February March April May June July August September		0 0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June July August		0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June July August September September January February March April May June July August September		0 0 0 0 0 0 0 0 0 0 0 0 0	57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2011	October November December  January February March April May June July August September October November December  January February March April May June July August September October October November December			57,083,139 58,361,401 54,708,355 54,004,537 54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806	4,676,871.8 4,851,164.3  4,559,066.6 4,128,109.5 4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4  4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0



		Number of Incident				Number of Incident Diagnoses / 1K Eligon
2042		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2013	January	0	0	56,197,731	4,670,823.4	0.00
		0	0			
	February			55,542,762	4,246,777.7	0.00
	March	0	0	56,138,854	4,744,073.1	0.00
	April	0	0	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	June	0	0	55,778,760	4,571,072.3	0.00
	July	0	0	59,556,573	5,016,305.0	0.00
	August	0	0	59,876,675	5,015,940.4	0.00
	September	0	0	59,000,407	4,833,576.6	0.00
	October	0	0	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
	December	0	0	60,055,310	4,997,010.4	0.00
2014	December	U	Ü	00,033,310	4,557,010.4	0.00
	January	0	0	55,701,673	4,645,703.0	0.00
	February	0	0	55,017,049	4,207,098.7	0.00
	March	0	0	55,271,800	4,673,920.9	0.00
	April	0	0	55,288,350	4,527,701.2	0.00
	May	0	0	55,167,407	4,668,733.3	0.00
	June	0	0	55,203,751	4,521,918.7	0.00
	July	0	0	60,017,841	5,048,903.4	0.00
	August	0	0	60,258,780	4,995,827.3	0.00
	_					
	September	1	1	58,851,445	4,821,953.3	0.00
	October	0	0	59,811,527	4,994,616.9	0.00
	November	0	0	59,123,837	4,845,527.4	0.00
2015	December	1	1	60,149,691	5,009,350.1	0.00
2013	January	0	0	56,110,525	4,678,415.9	0.00
	February	0	0	55,431,573	4,198,556.6	0.00
	March	0	0	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	•					
	May	0	0	55,625,323	4,706,910.3	0.00
	June	0	0	55,657,221	4,559,569.0	0.00
	July	2	2	60,121,043	5,059,633.5	0.00
	August	4	4	60,711,514	5,062,973.3	0.00
	September	36	36	59,802,370	4,899,634.6	0.00
	October	8,633	10,892	60,415,951	5,056,566.0	0.14
	November	7,987	9,988	59,733,371	4,894,566.1	0.13
	December	8,322	10,396	60,716,875	5,061,375.7	0.14
2016		-,-	.,	., .,.	-,,-	
	January	7,659	9,634	56,184,879	4,690,539.7	0.14
	February	7,774	9,719	55,510,698	4,396,218.4	0.14
	March	8,084	10,223	55,892,627	4,707,486.7	0.14
	April	5,719	7,274	40,838,247	3,348,128.0	0.14
	May	2,573	3,232	18,931,915	1,605,398.3	0.14
	June	2,725	3,433	18,953,391	1,556,068.3	0.14
	July	652	813	6,080,161	514,545.9	0.14
	August	478	604	4,828,490	361,293.6	0.11
10-CM cc	_	and FBM, 0 day washout	004	4,020,450	301,233.0	0.10
2010		•				
	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
	December	0	0	58,361,401	4,851,164.3	0.00
2011						
	January	0	0	54,708,355	4,559,066.6	0.00
	February	0	0	54,004,537	4,128,109.5	0.00
	March	0	0	54,304,661	4,589,505.2	0.00
	April	0	0	54,376,438	4,451,813.2	0.00
	May	0	0	54,345,382	4,596,809.0	0.00
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	0	0	58,949,591	4,934,256.4	0.00
	September	0	0	58,085,767	4,756,913.3	0.00
	October	0	0	58,676,595	4,912,248.5	0.00
	November	0	0	58,078,196	4,756,987.5	0.00
	Dasambar	0	0	59,388,173	4,936,750.4	0.00
	December	U	U	33,300,173	7,330,730.7	0.00



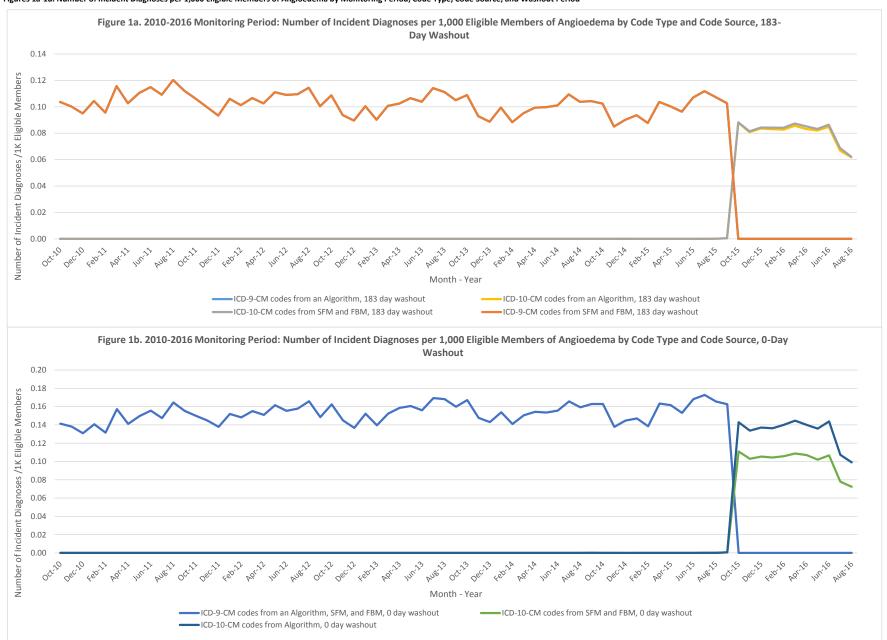
Find A A A A A A A A A A A A A A A A A A A	lanuary February March April May June July August September December Jenuary February March April May June July August September	Number of Incident Diagnoses  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number of Diagnoses  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4 4,670,823.4 4,246,777.7	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Ja Fr M A Ju Ju A Si O N D D 2013 Ja N M Ju Ju A A Si O O N D D O N D D O N D D O N D D D O N D D D D	February March April May June July August September October November December Jenuary February March April May June July August	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4 4,670,823.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Ja Fr M A Ju Ju A Si O N D D 2013 Ja N M Ju Ju A A Si O O N D D O N D D O N D D O N D D D O N D D D D	February March April May June July August September October November December Jenuary February March April May June July August	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Find A A A A A A A A A A A A A A A A A A A	February March April May June July August September October November December Jenuary February March April May June July August	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
M A A Si A A A A A A A A A A A A A A A A	March April May June July August September October November December January February March April May June July August	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4 4,670,823.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
A M J J J J J J J J J J J J J J J J J J	April May June July August September October November December January February March April May June July August	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
M July 2013 January 2013 A A A A A So O N D D D D D D D D D D D D D D D D D D	May June July August September October November December January February March April May June July August	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
JU J	June July August September October November December January February March April May June July August	0 0 0 0 0 0 0	0 0 0 0 0 0 0	54,978,230 58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00
July 2013 Jan 2013 Jan 2013 Jan 2014 July 2014	July August September October November December January February March April May June July August	0 0 0 0 0 0	0 0 0 0 0 0	58,694,936 59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00 0.00
A Si	August September October November December January February March April May June July August	0 0 0 0 0	0 0 0 0 0	59,224,748 58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,948,556.2 4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4	0.00 0.00 0.00 0.00 0.00
Si O N D 2013 Ja Fi M A A N Ju Ju A Si O O N D	September October November December January February March April May June July August	0 0 0 0 0 0 0	0 0 0 0 0	58,386,075 58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,782,162.8 4,936,312.3 4,778,740.5 4,955,666.4 4,670,823.4	0.00 0.00 0.00 0.00
O N D 2013 Ja F N A A S O O N D	October November December January February March April May June July August	0 0 0 0 0 0 0	0 0 0 0 0	58,911,806 58,315,915 59,471,414 56,197,731 55,542,762	4,936,312.3 4,778,740.5 4,955,666.4 4,670,823.4	0.00 0.00 0.00
N D D D D D D D D D D D D D D D D D D D	November December January February March April May June July August	0 0 0 0 0 0	0 0 0 0	58,315,915 59,471,414 56,197,731 55,542,762	4,778,740.5 4,955,666.4 4,670,823.4	0.00 0.00 0.00
D D 2013	December  January  February  March  April  May  June  July  August	0 0 0 0 0	0 0 0	59,471,414 56,197,731 55,542,762	4,955,666.4 4,670,823.4	0.00
2013 Ja Fr N A N Ju Ju A Si O N D	lanuary February March April May June July August	0 0 0 0	0 0 0	56,197,731 55,542,762	4,670,823.4	0.00
Ja Fr N A N Ju A Sr O N D	February March April May June July August	0 0 0	0 0	55,542,762		
Fi M A M Ju Ju A Si O N D	February March April May June July August	0 0 0	0 0	55,542,762		
Fi M A M Ju Ju A Si O N D	February March April May June July August	0 0 0	0	55,542,762		
M A M Ju A Si O N D	March April May Iune Iuly August	0 0 0	0			0.00
A M Ju A Si O N D	April May Iune Iuly August	0 0		56,138,854	4,744,073.1	0.00
M Ji A Si O N D	May June July August	0		56,104,107	4,595,653.8	0.00
Ju Ju Si O N D	lune Iuly August		0	56,057,246	4,744,239.6	0.00
Ju A Si O N D 2014	luly August	U	0	55,778,760		0.00
A Si O N D	August				4,571,072.3	
Si O N D 2014	_	0	0	59,556,573	5,016,305.0	0.00
O N D 2014	September	0	0	59,876,675	5,015,940.4	0.00
N D 2014		0	0	59,000,407	4,833,576.6	0.00
D 2014	October	0	0	59,493,519	4,988,077.6	0.00
2014	November	0	0	58,886,507	4,825,393.1	0.00
	December	0	0	60,055,310	4,997,010.4	0.00
Já	lanuary	0	0	55,701,673	4,645,703.0	0.00
F	ebruary	0	0	55,017,049	4,207,098.7	0.00
N	March	0	0	55,271,800	4,673,920.9	0.00
	April	0	0	55,288,350	4,527,701.2	0.00
	May	0	0	55,167,407	4,668,733.3	0.00
	lune	0	0	55,203,751	4,521,918.7	0.00
	luly	0	0			0.00
	=			60,017,841	5,048,903.4	
	August	0	0	60,258,780	4,995,827.3	0.00
	September	1	1	58,851,445	4,821,953.3	0.00
	October	0	0	59,811,527	4,994,616.9	0.00
	November	0	0	59,123,837	4,845,527.4	0.00
D	December	1	1	60,149,691	5,009,350.1	0.00
2015						
Ja	lanuary	0	0	56,110,525	4,678,415.9	0.00
F	ebruary	0	0	55,431,573	4,198,556.6	0.00
N	March	0	0	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	Vlay	0	0	55,625,323	4,706,910.3	0.00
	lune	0	0	55,657,221	4,559,569.0	0.00
	luly	2	2	60,121,043	5,059,633.5	0.00
		4		60,711,514		0.00
	August		4		5,062,973.3	
	September	35	35	59,802,370	4,899,634.6	0.00
	October	6,702	8,197	60,415,951	5,056,566.0	0.11
	November	6,149	7,487	59,733,371	4,894,566.1	0.10
	December	6,400	7,780	60,716,875	5,061,375.7	0.11
2016						
Jā	lanuary	5,858	7,146	56,184,879	4,690,539.7	0.10
F	ebruary	5,873	7,081	55,510,698	4,396,218.4	0.11
	, March	6,077	7,451	55,892,627	4,707,486.7	0.11
1.	April	4,369	5,396	40,838,247	3,348,128.0	0.11
	May	1,932	2,337	18,931,915	1,605,398.3	0.10
А	~ 1	2,021	2,461	18,953,391	1,556,068.3	0.11
A N	lune	474	532	6,080,161	514,545.9	
A M Ju	lune luly		.3.32	0.000.101		0.08



	Number of Incident				Diagnoses / 1K Eligible
	Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
015					
D-9-CM codes from an Alg	orithm, SFM, and FBM,	90 day washout			
2015					
January	6,441	6,441	56,095,747	4,676,642.1	0.11
February	5,949	5,949	55,416,270	4,196,968.3	0.11
March	7,096	7,096	55,547,343	4,691,920.8	0.13
016					
D-10-CM codes from an A	gorithm, 90 day washou	ut			
2016					
January	4,878	4,878	56,170,625	4,688,853.9	0.09
February	4,816	4,816	55,496,359	4,394,653.6	0.09
March	5,025	5,025	55,878,229	4,705,785.9	0.09
D-10-CM codes from SFM	and FBM, 90 day washo	ut			
2016					
January	4,969	4,969	56,173,655	4,689,186.9	0.09
February	4,918	4,918	55,499,410	4,394,968.2	0.09
March	5,133	5,133	55,881,375	4,706,130.4	0.09



Figures 1a-1d. Number of Incident Diagnoses per 1,000 Eligible Members of Angioedema by Monitoring Period, Code Type, Code Source, and Washout Period





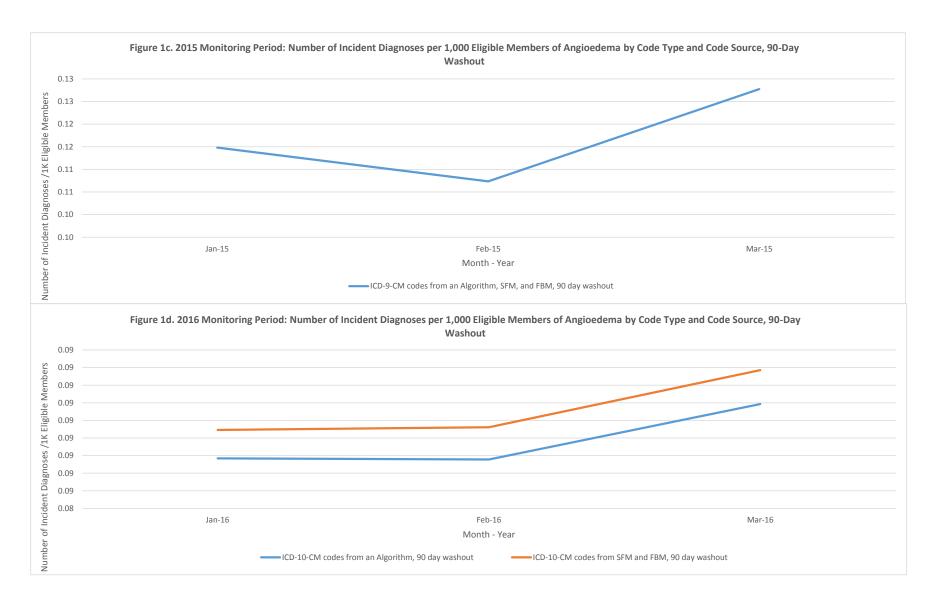




Table 2a. Summary of Incident Acute Myocardial Infarction (AMI) Diagnoses using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes for a combination of washouts and code sources: Algorithm, Simple Forward Mapping (SFM), and Forward Backward Mapping (FBM), by Monitoring Period

<u>2010-2016</u>					
	Number of Incident				Number of Incident Diagnoses / 1K Eligible
	Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
ICD-9-CM codes from an Algorithm, 183 day washout					
	316,051	316,051	131,325,405	318,795,897.7	2.41
ICD-9-CM codes from SFM, 183 day washout	316,051	216.051	424 225 474	240 706 222 5	2.44
ICD 0 CM and an frame FDNA 402 downstand	310,051	316,051	131,325,474	318,796,222.5	2.41
ICD-9-CM codes from FBM, 183 day washout	316,051	316,051	121 225 252	210 705 465 5	2.41
ICD 10 CM codes from an Algorithm 192 day washout	310,031	310,031	131,325,352	318,795,465.5	2.41
ICD-10-CM codes from an Algorithm, 183 day washout	42,534	42,534	121 225 405	210 226 220 0	0.22
ICD-10-CM codes from SFM, 183 day washout	42,334	42,334	131,325,405	319,226,329.9	0.32
100-10-civi codes from Sr W, 103 day washout	41,577	41,577	131,325,474	319,226,776.8	0.32
ICD-10-CM codes from FBM, 183 day washout	71,577	71,577	131,323,474	313,220,770.0	0.32
100 10 cm coacs nominally, 100 ady washout	42,555	42,555	131,325,352	319,225,809.2	0.32
ICD-9-CM codes from an Algorithm, SFM, and FBM, 0 day washout	<u> </u>	12,333	131,323,332	313,223,003.2	0.32
,,,,	946,494	3,222,163	131,346,603	319,813,419.4	7.21
ICD-10-CM codes from an Algorithm, 0 day washout	,	-,,	131,310,003	313,013,113.1	7.21
<u> </u>	160,535	456,270	131,346,603	319,813,419.4	1.22
ICD-10-CM codes from SFM, 0 day washout	·	·	7,5 2,75 2	,, -	
	158,935	444,728	131,346,603	319,813,419.4	1.21
ICD-10-CM codes from FBM, 0 day washout					
	162,390	465,834	131,346,603	319,813,419.4	1.24
[					
2015					
ICD-9-CM codes from an Algorithm, SFM, and FBM, 90 day washou	.1				
ICD-9-CIVI Codes ITOITI ati Algorittiiti, SFIVI, atid FBIVI, 90 day Washiod	16,629	16,629	57,668,750	13,555,553.0	0.29
2016	·	·	- ,,	-,,	
ICD-10-CM codes from an Algorithm, 90 day washout					
	16,780	16,780	57,453,227	13,778,047.6	0.29
ICD-10-CM codes from SFM, 90 day washout	46.224	46.224			
100 40 004 1 4 7 7004 00 1	16,391	16,391	57,453,627	13,778,265.0	0.29
ICD-10-CM codes from FBM, 90 day washout	46.704	4.6.704			
	16,781	16,781	57,452,861	13,777,818.2	0.29



Table 2b. Summary of Incident Acute Myocardial Infarction (AMI) Diagnoses using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes for a combination of washouts and code sources: Algorithm, Simple Forward Mapping (SFM), and Forward Backward Mapping (FBM), by Monitoring Period and Year/Month

2010-2016

		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnoses / 1K Eligible Members
CM cod	les from an Algo	orithm, 183 day washout		ziigiaie iiieiiiaeia	e	
2010		,				
	October	5,378	5,378	57,637,020	4,826,760.8	0.09
	November	5,484	5,484	57,003,911	4,669,258.9	0.10
	December	5,841	5,841	58,280,860	4,843,216.9	0.10
2011		-7-	- / -	,,	,,	
	January	5,456	5,456	54,631,745	4,551,510.3	0.10
	February	5,077	5,077	53,926,435	4,121,199.0	0.09
	March	5,316	5,316	54,226,377	4,581,740.9	0.10
	April	5,197	5,197	54,294,646	4,444,162.5	0.10
	May	5,227	5,227	54,259,919	4,588,625.5	0.10
	June	4,929	4,929	54,090,926	4,429,262.5	0.09
	July	5,148	5,148	58,417,534	4,913,295.2	0.09
	-	•				
	August	5,325	5,325	58,848,133	4,924,658.9	0.09
	September	5,242	5,242	57,982,036	4,747,419.9	0.09
	October	5,430	5,430	58,568,877	4,902,132.7	0.09
	November	5,304	5,304	57,966,634	4,746,871.6	0.09
	December	5,761	5,761	59,271,880	4,925,908.7	0.10
2012						
	January	5,429	5,429	55,416,516	4,619,690.9	0.10
	February	5,020	5,020	54,758,364	4,333,517.2	0.09
	March	5,471	5,471	54,854,620	4,634,922.2	0.10
	April	5,121	5,121	54,970,452	4,501,687.4	0.09
	May	5,183	5,183	54,919,845	4,646,106.6	0.09
	June	4,844	4,844	54,844,812	4,492,523.5	0.09
	July	5,332	5,332	58,553,364	4,941,100.3	0.09
	August	5,435	5,435	59,080,145	4,935,282.7	0.09
	September	5,301	5,301	58,238,844	4,769,075.8	0.09
	October	5,651	5,651	58,760,635	4,922,468.6	0.10
	November	5,542	5,542	58,160,828	4,765,011.5	0.10
	December	6,025	6,025	59,311,135	4,941,066.2	0.10
2013		,	,	, ,	, ,	
	January	5,470	5,470	56,043,500	4,656,768.5	0.10
	February	4,905	4,905	55,384,056	4,233,800.7	0.09
	March	5,414	5,414	55,977,249	4,729,352.0	0.10
	April	5,016	5,016	55,938,825	4,581,143.0	0.09
	May	5,099	5,099	55,888,655	4,728,964.1	0.09
	June	4,900	4,900	55,607,178	4,556,083.9	0.09
	July	5,362	5,362	59,376,402	5,000,012.4	0.09
	August	5,388	5,388	59,693,583	4,999,401.4	0.09
	September					0.09
		5,169	5,169	58,815,258	4,817,390.6	
	October	5,373	5,373	59,305,566	4,971,107.8	0.09
	November	5,243	5,243	58,695,310	4,808,677.3	0.09
	December	5,770	5,770	59,859,624	4,979,408.8	0.10
2014						
	January	5,234	5,234	55,516,268	4,629,025.8	0.09
	February	4,780	4,780	54,828,265	4,191,819.6	0.09
	March	5,138	5,138	55,080,487	4,656,697.4	0.09
	April	5,049	5,049	55,093,993	4,510,804.8	0.09
	May	5,078	5,078	54,970,316	4,651,023.3	0.09
	June	4,712	4,712	55,003,069	4,504,531.1	0.09
	July	5,317	5,317	59,806,314	5,029,951.8	0.09
	August	5,186	5,186	60,045,112	4,976,795.5	0.09
	September	5,055	5,055	58,637,783	4,803,382.4	0.09
	October	5,306	5,306	59,594,987	4,975,222.4	0.09
	November	5,502	5,502	58,905,148	4,826,534.8	0.09
	December	5,936	5,936	59,927,521	4,989,421.8	0.10
		-,00	-,-50	,,,5==	.,5, .= 1.0	0.20



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incide Diagnoses / 1K Elig Members
2015						
	January	5,475	5,475	55,900,101	4,659,572.4	0.10
	February	4,868	4,868	55,217,459	4,181,450.3	0.09
	March	5,277	5,277	55,347,650	4,674,490.1	0.10
	April	5,125	5,125	55,436,368	4,536,519.8	0.09
	May	5,205	5,205	55,404,031	4,687,140.9	0.09
	-					
	June	4,838	4,838	55,433,412	4,540,254.5	0.09
	July	5,357	5,357	59,887,229	5,038,734.9	0.09
	August	5,444	5,444	60,474,329	5,041,864.8	0.09
	September	4,591	4,591	59,564,016	4,879,005.2	0.08
	October	0	0	60,174,883	5,035,014.8	0.00
	November	0	0	59,489,424	4,873,457.0	0.00
	December	0	0	60,468,745	5,039,262.4	0.00
2016		•	-	55, 155,115	-,,	
2010	January	0	0	55,949,997	4,669,612.3	0.00
	-					
	February	0	0	55,273,058	4,376,424.8	0.00
	March	0	0	55,652,590	4,686,091.2	0.00
	April	0	0	40,635,820	3,330,606.8	0.00
	May	0	0	18,859,400	1,598,914.9	0.00
	June	0	0	18,881,077	1,549,814.2	0.00
	July	0	0	6,054,433	512,263.0	0.00
	August	0	0	4,807,845	359,605.0	0.00
CD4			<u>_</u>	4,607,645	339,003.0	0.00
2010	es from SFM, 183	uay wasnout				
2010	Ostobou	F 270	F 270	F7 C27 020	4 026 760 0	0.00
	October	5,378	5,378	57,637,020	4,826,760.8	0.09
	November	5,484	5,484	57,003,911	4,669,258.9	0.10
	December	5,841	5,841	58,280,860	4,843,216.9	0.10
2011						
	January	5,456	5,456	54,631,745	4,551,510.3	0.10
	February	5,077	5,077	53,926,435	4,121,199.0	0.09
	•					
	March	5,316	5,316	54,226,377	4,581,740.9	0.10
	April	5,197	5,197	54,294,646	4,444,162.5	0.10
	May	5,227	5,227	54,259,919	4,588,625.5	0.10
	June	4,929	4,929	54,090,926	4,429,262.5	0.09
	July	5,148	5,148	58,417,534	4,913,295.2	0.09
	August	5,325	5,325	58,848,133	4,924,658.9	0.09
	-					
	September	5,242	5,242	57,982,036	4,747,419.9	0.09
	October	5,430	5,430	58,568,877	4,902,132.7	0.09
	November	5,304	5,304	57,966,634	4,746,871.6	0.09
	December	5,761	5,761	59,271,880	4,925,908.7	0.10
2012						
	January	5,429	5,429	55,416,516	4,619,690.9	0.10
	February	5,020	5,020	54,758,364	4,333,517.2	0.09
		•				
	March	5,471	5,471	54,854,620	4,634,922.2	0.10
	April	5,121	5,121	54,970,452	4,501,687.4	0.09
	May	5,183	5,183	54,919,845	4,646,106.6	0.09
	June	4,844	4,844	54,844,812	4,492,523.5	0.09
	July	5,332	5,332	58,553,364	4,941,100.3	0.09
	August	5,435	5,435	59,080,145	4,935,282.7	0.09
	-					0.09
	September	5,301	5,301	58,238,844	4,769,075.8	
	October	5,651	5,651	58,760,635	4,922,468.6	0.10
	November	5,542	5,542	58,160,828	4,765,011.5	0.10
	December	6,025	6,025	59,311,135	4,941,066.2	0.10
2013						
	January	5,470	5,470	56,043,500	4,656,768.5	0.10
	February	4,905	4,905	55,384,056	4,233,800.7	0.09
	-					
	March	5,414	5,414	55,977,249	4,729,352.0	0.10
	April	5,016	5,016	55,938,825	4,581,143.0	0.09
	May	5,099	5,099	55,888,655	4,728,964.1	0.09
	June	4,900	4,900	55,607,178	4,556,083.9	0.09
	July	5,362	5,362	59,376,402	5,000,012.4	0.09
	-					
	August	5,388	5,388	59,693,583	4,999,401.4	0.09
	September	5,169	5,169	58,815,258	4,817,390.6	0.09
	October	5,373	5,373	59,305,566	4,971,107.8	0.09
				E0 COE 240	4 000 677 3	0.00
	November	5,243	5,243	58,695,310	4,808,677.3	0.09



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incide Diagnoses / 1K Elig Members
2014		-	•			
	January	5,234	5,234	55,516,268	4,629,025.8	0.09
	February	4,780	4,780	54,828,265	4,191,819.6	0.09
	March	5,138	5,138	55,080,487	4,656,697.4	0.09
	April	5,049	5,049	55,093,993	4,510,804.8	0.09
	May	5,078	5,078	54,970,316	4,651,023.3	0.09
	June	4,712	4,712	55,003,069	4,504,531.1	0.09
	July	5,317	5,317	59,806,314	5,029,951.8	0.09
	August	5,186	5,186	60,045,112	4,976,795.5	0.09
	September	5,055	5,055	58,637,783	4,803,382.4	0.09
	October	5,306	5,306	59,594,987	4,975,222.4	0.09
	November	5,502	5,502	58,905,148	4,826,534.8	0.09
	December					0.10
2015	December	5,936	5,936	59,927,521	4,989,421.8	0.10
2013	January	5,475	5,475	55,900,101	4,659,572.4	0.10
	-		· ·			
	February	4,868	4,868	55,217,459	4,181,450.3	0.09
	March	5,277	5,277	55,347,650	4,674,490.1	0.10
	April	5,125	5,125	55,436,369	4,536,519.8	0.09
	May	5,205	5,205	55,404,032	4,687,140.9	0.09
	June	4,838	4,838	55,433,413	4,540,254.6	0.09
	July	5,357	5,357	59,887,230	5,038,735.0	0.09
	August	5,444	5,444	60,474,331	5,041,864.9	0.09
	-	•	·			
	September	4,591	4,591	59,564,017	4,879,005.4	0.08
	October	0	0	60,174,890	5,035,021.8	0.00
	November	0	0	59,489,590	4,873,475.4	0.00
	December	0	0	60,469,043	5,039,293.9	0.00
2016						
	January	0	0	55,950,421	4,669,652.5	0.00
	February	0	0	55,273,638	4,376,474.0	0.00
	March	0	0	55,653,333	4,686,156.7	0.00
	April	0	0	40,636,510	3,330,666.9	0.00
	May	0	0	18,859,661	1,598,938.2	0.00
	-					
	June	0	0	18,881,356	1,549,838.7	0.00
	July	0	0	6,054,463	512,265.7	0.00
CD4	August	0	0	4,807,867	359,606.8	0.00
2010	des from FBM, 18	3 day washout				
2010	October	5,378	5,378	57,637,020	4,826,760.8	0.09
	November	5,484	5,484	57,003,911	4,669,258.9	0.10
2011	December	5,841	5,841	58,280,860	4,843,216.9	0.10
2011	lanuaru	E 4E6	E 4EC	E4 621 74E	4 551 510 2	0.10
	January	5,456	5,456	54,631,745	4,551,510.3	
	February	5,077	5,077	53,926,435	4,121,199.0	0.09
	March	5,316	5,316	54,226,377	4,581,740.9	0.10
	April	5,197	5,197	54,294,646	4,444,162.5	0.10
	May			E4 3E0 010	4,588,625.5	0.10
	May	5,227	5,227	54,259,919	1,500,02515	
	June	5,227 4,929	5,227 4,929	54,090,926	4,429,262.5	0.09
	June	4,929	4,929	54,090,926	4,429,262.5	
	June July	4,929 5,148	4,929 5,148	54,090,926 58,417,534	4,429,262.5 4,913,295.2	0.09
	June July August	4,929 5,148 5,325	4,929 5,148 5,325	54,090,926 58,417,534 58,848,133	4,429,262.5 4,913,295.2 4,924,658.9	0.09 0.09
	June July August September	4,929 5,148 5,325 5,242	4,929 5,148 5,325 5,242	54,090,926 58,417,534 58,848,133 57,982,036	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9	0.09 0.09 0.09
	June July August September October	4,929 5,148 5,325 5,242 5,430	4,929 5,148 5,325 5,242 5,430	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7	0.09 0.09 0.09 0.09
	June July August September	4,929 5,148 5,325 5,242	4,929 5,148 5,325 5,242	54,090,926 58,417,534 58,848,133 57,982,036	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9	0.09 0.09 0.09
	June July August September October	4,929 5,148 5,325 5,242 5,430	4,929 5,148 5,325 5,242 5,430	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7	0.09 0.09 0.09 0.09
2012	June July August September October November	4,929 5,148 5,325 5,242 5,430 5,304	4,929 5,148 5,325 5,242 5,430 5,304	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6	0.09 0.09 0.09 0.09 0.09
2012	June July August September October November	4,929 5,148 5,325 5,242 5,430 5,304	4,929 5,148 5,325 5,242 5,430 5,304	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6	0.09 0.09 0.09 0.09 0.09
2012	June July August September October November December	4,929 5,148 5,325 5,242 5,430 5,304 5,761	4,929 5,148 5,325 5,242 5,430 5,304 5,761	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7	0.09 0.09 0.09 0.09 0.09 0.10
2012	June July August September October November December January February	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2	0.09 0.09 0.09 0.09 0.09 0.10 0.10
2012	June July August September October November December  January February March	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2	0.09 0.09 0.09 0.09 0.09 0.10 0.10 0.10
2012	June July August September October November December  January February March April	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4	0.09 0.09 0.09 0.09 0.09 0.10 0.10 0.09 0.10
2012	June July August September October November December  January February March April May	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09
2012	June July August September October November December  January February March April May June	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845 54,844,812	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6 4,492,523.5	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09
2012	June July August September October November December  January February March April May	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09
2012	June July August September October November December  January February March April May June	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845 54,844,812	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6 4,492,523.5	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09
2012	June July August September October November December  January February March April May June July August	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845 54,844,812 58,553,364 59,080,145	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6 4,492,523.5 4,941,100.3 4,935,282.7	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09 0.09 0.09
2012	June July August September October November December  January February March April May June July August September	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435 5,301	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435 5,301	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845 54,844,812 58,553,364 59,080,145 58,238,844	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6 4,492,523.5 4,941,100.3 4,935,282.7 4,769,075.8	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09 0.09 0.09 0.09
2012	June July August September October November December  January February March April May June July August September October	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435 5,301 5,651	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435 5,301 5,651	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845 54,844,812 58,553,364 59,080,145 58,238,844 58,760,635	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6 4,492,523.5 4,941,100.3 4,935,282.7 4,769,075.8 4,922,468.6	0.09 0.09 0.09 0.09 0.10 0.10 0.09 0.10 0.09 0.09 0.09 0.09 0.09
2012	June July August September October November December  January February March April May June July August September	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435 5,301	4,929 5,148 5,325 5,242 5,430 5,304 5,761  5,429 5,020 5,471 5,121 5,183 4,844 5,332 5,435 5,301	54,090,926 58,417,534 58,848,133 57,982,036 58,568,877 57,966,634 59,271,880 55,416,516 54,758,364 54,854,620 54,970,452 54,919,845 54,844,812 58,553,364 59,080,145 58,238,844	4,429,262.5 4,913,295.2 4,924,658.9 4,747,419.9 4,902,132.7 4,746,871.6 4,925,908.7 4,619,690.9 4,333,517.2 4,634,922.2 4,501,687.4 4,646,106.6 4,492,523.5 4,941,100.3 4,935,282.7 4,769,075.8	0.09 0.09 0.09 0.09 0.10 0.10 0.10 0.09 0.10 0.09 0.09 0.09 0.09



		Number of Incident				Number of Incident Diagnoses / 1K Eligible
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2013		Diagnoses	realiser of Biagnoses	Liigibie Weilibers	Wichiber Tears	Weinsers
2013	January	5,470	5,470	56,043,500	4,656,768.5	0.10
	February	4,905	4,905	55,384,056	4,233,800.7	0.09
	March	5,414	5,414	55,977,249	4,729,352.0	0.10
	April	5,016	5,016	55,938,825	4,581,143.0	0.09
	May	5,099	5,099	55,888,655	4,728,964.1	0.09
	June	4,900	4,900	55,607,178	4,556,083.9	0.09
	July	5,362	5,362	59,376,402	5,000,012.4	0.09
	August	5,388	5,388	59,693,583	4,999,401.4	0.09
	September	5,169	5,169	58,815,258	4,817,390.6	0.09
	October	5,373	5,373	59,305,566	4,971,107.8	0.09
	November	5,243	5,243	58,695,310	4,808,677.3	0.09
	December	5,770	5,770	59,859,624	4,979,408.8	0.10
2014	2000	3,7.70	3,7.70	33,033,02 .	1,575,10010	0.20
	January	5,234	5,234	55,516,268	4,629,025.8	0.09
	February	4,780	4,780	54,828,265	4,191,819.6	0.09
	March	5,138	5,138	55,080,487	4,656,697.4	0.09
	April	5,049	5,049	55,093,993	4,510,804.8	0.09
	May	5,078	5,078	54,970,316	4,651,023.3	0.09
	June	4,712	4,712	55,003,069	4,504,531.1	0.09
	July	5,317	5,317	59,806,314	5,029,951.8	0.09
	•	5,186	5,186	60,045,112	4,976,795.5	0.09
	August September	5,055	5,055	58,637,783		0.09
	October	5,306	5,306	59,594,987	4,803,382.4 4,975,222.4	0.09
	November	5,500	5,502	58,905,148		0.09
	December	•	•		4,826,534.8	
2015	December	5,936	5,936	59,927,521	4,989,421.8	0.10
2015	January	5,475	5,475	55,900,101	4,659,572.4	0.10
	February	4,868	4,868	55,217,459	4,181,450.3	0.09
	March	5,277	5,277	55,347,650	4,674,490.1	0.10
	April	5,125	5,125	55,436,368	4,536,519.8	0.09
	May	5,205	5,205	55,404,030	4,687,140.8	0.09
	-	4,838	4,838	55,433,411	4,540,254.4	0.09
	June	•				
	July	5,357	5,357	59,887,228	5,038,734.8	0.09
	August	5,444	5,444	60,474,328	5,041,864.8	0.09
	September	4,591	4,591	59,564,015	4,879,005.0	0.08
	October	0	0	60,174,874	5,035,003.4	0.00
	November	0	0	59,489,164	4,873,428.7	0.00
2016	December	0	0	60,468,291	5,039,217.1	0.00
2016	January	0	0	55,949,387	4,669,555.1	0.00
	February	0	0	55,272,280	4,376,357.8	0.00
	•					
	March	0 0	0 0	55,651,614	4,686,005.6	0.00 0.00
	April	0	0	40,634,945	3,330,526.3	0.00
	May			18,859,119	1,598,889.8	
	June	0	0	18,880,783	1,549,787.3	0.00
	July	0 0	0	6,054,404	512,260.1	0.00
ICD 10 CM	August		0	4,807,827	359,603.6	0.00
2010	des from an Aig	orithm, 183 day washout				
2010	October	0	0	57,637,020	4,826,760.8	0.00
	November	0	0	57,003,911	4,669,258.9	0.00
	December	0	0	58,280,860	4,843,216.9	0.00
2011	December	O	O	30,200,000	4,043,210.3	0.00
2011	January	0	0	54,631,745	4,551,510.3	0.00
	February	0	0	53,926,435	4,121,199.0	0.00
	March	0	0	54,226,377	4,581,740.9	0.00
	April	0	0	54,297,175	4,444,256.0	0.00
	May	0	0	54,265,739	4,588,981.3	0.00
	June	0	0	54,205,759	4,429,894.3	0.00
	July	0	0	58,430,834	4,914,250.7	0.00
	•	0	0	58,430,834 58,865,329		0.00
	August	0	0		4,925,935.4	0.00
	September	0	0	58,002,932 58 503 541	4,748,965.0	
	October November			58,593,541	4,904,035.3	0.00
	December	0 0	0 0	57,994,837 50 303 815	4,749,012.6	0.00 0.00
	December	U	U	59,303,815	4,928,427.0	0.00



		Normalism of Implications			Diagnoses / 1K Eligible	
		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2012		Diagnoses	Number of Diagnoses	Eligible Members	Wember- Years	iviembers
2012	lanuani	0	0	EE 440 961	4,622,335.1	0.00
	January	0	0	55,449,861		0.00
	February	0	0	54,794,715	4,336,242.8	
	March			54,894,322	4,638,095.7	0.00
	April	0	0	55,013,318	4,505,025.6	0.00
	May	0	0	54,966,125	4,649,833.8	0.00
	June	0	0	54,894,540	4,496,409.4	0.00
	July	0	0	58,606,289	4,945,380.4	0.00
	August	0	0	59,136,642	4,939,853.9	0.00
	September	0	0	58,298,758	4,773,782.7	0.00
	October	0	0	58,823,834	4,927,605.9	0.00
	November	0	0	58,227,039	4,770,240.0	0.00
	December	0	0	59,380,685	4,946,737.6	0.00
2013						
	January	0	0	56,111,806	4,662,338.8	0.00
	February	0	0	55,454,868	4,239,043.7	0.00
	March	0	0	56,051,330	4,735,405.3	0.00
	April	0	0	56,015,707	4,587,239.4	0.00
	May	0	0	55,968,736	4,735,521.0	0.00
	June	0	0	55,690,307	4,562,685.5	0.00
	July	0	0	59,462,671	5,007,089.6	0.00
	August	0	0	59,783,228	5,006,758.3	0.00
	September	0	0			0.00
	•			58,907,881	4,824,765.7	
	October	0	0	59,401,367	4,978,978.5	0.00
	November	0	0	58,793,919	4,816,535.5	0.00
	December	0	0	59,961,167	4,987,764.6	0.00
2014		_	_			
	January	0	0	55,613,444	4,637,015.8	0.00
	February	0	0	54,927,336	4,199,211.1	0.00
	March	0	0	55,182,050	4,665,070.2	0.00
	April	0	0	55,197,851	4,519,096.1	0.00
	May	0	0	55,076,798	4,659,802.3	0.00
	June	0	0	55,112,117	4,513,251.3	0.00
	July	0	0	59,918,351	5,039,200.6	0.00
	August	0	0	60,159,895	4,986,216.5	0.00
	September	0	0	58,754,461	4,812,726.2	0.00
	October	0	0	59,714,788	4,985,099.7	0.00
	November	0	0	59,027,287	4,836,315.9	0.00
	December	0	0	60,052,109	4,999,717.9	0.00
2015					,,	
	January	0	0	56,019,193	4,669,410.9	0.00
	February	1	1	55,338,070	4,190,367.2	0.00
	March	0	0		4,684,520.4	0.00
		0	0	55,468,908		
	April	0	0	55,559,905	4,546,409.6	0.00
	May			55,530,031	4,697,558.3	0.00
	June	1	1	55,561,654	4,550,531.7	0.00
	July	1	1	60,018,811	5,049,609.4	0.00
	August	9	9	60,608,740	5,052,975.4	0.00
	September	536	536	59,701,044	4,889,992.3	0.01
	October	5,841	5,841	60,315,136	5,046,596.9	0.10
	November	5,765	5,765	59,631,791	4,884,865.6	0.10
	December	5,976	5,976	60,613,451	5,051,237.3	0.10
2016						
	January	5,729	5,729	56,088,098	4,681,031.6	0.10
	February	5,245	5,245	55,412,725	4,387,263.1	0.09
	March	5,491	5,491	55,794,222	4,697,806.7	0.10
	April	4,401	4,401	40,753,141	3,340,183.1	0.11
	May	1,533	1,533	18,901,963	1,602,519.4	0.08
	June	1,326	1,326	18,922,457	1,553,214.7	0.07
	July	419	419	6,071,412	513,710.5	0.07
	•	260	260			0.05
	August	200	200	4,821,274	360,688.7	0.05



**Number of Incident** Diagnoses / 1K Eligible Members Diagnoses **Number of Diagnoses Eligible Members** Member- Years ICD-10-CM codes from SFM, 183 day washout 2010 October 0 0 57,637,020 4,826,760.8 0.00 0 0 57,003,911 4,669,258.9 0.00 November December 0 0 58,280,860 4,843,216.9 0.00 2011 January 0 0 54,631,745 4,551,510.3 0.00 February 0 0 53,926,435 4,121,199.0 0.00 March 0 0 54,226,377 4,581,740.9 0.00 April 0 0 54,297,175 4,444,256.0 0.00 0 4,588,981.3 0.00 May 0 54,265,739 0 4,429,894.3 0.00 June 0 54,100,437 July 0 0 58,430,834 4,914,250.7 0.00 0 0 58,865,329 4,925,935.4 0.00 August September 0 0 58,002,932 4,748,965.0 0.00 O 0.00 October 0 58.593.541 4.904.035.3 November 0 0 57,994,837 4,749,012.6 0.00 December 0 0 59,303,815 4,928,427.0 0.00 2012 January 0 0 55,449,861 4,622,335.1 0.00 February 0 0.00 0 54.794.715 4.336.242.8 March 0 0 54,894,322 4,638,095.7 0.00 0 April 0 55,013,318 4,505,025.6 0.00 May 0 0 54,966,125 4,649,833.8 0.00 June 0 0 54,894,540 4,496,409.4 0.00 0 0 4,945,380.4 0.00 July 58,606,289 August 0 0 59,136,642 4,939,853.9 0.00 September 0 0 58,298,758 0.00 4,773,782.7 0 October 0 58,823,834 4,927,605.9 0.00 November 0 0 58,227,039 4,770,240.0 0.00 0 59,380,685 December 0 4,946,737.6 0.00 2013 O January 0 56,111,806 4,662,338.8 0.00 0 55,454,868 4,239,043.7 0.00 February 0 March 0 0 56,051,330 4,735,405.3 0.00 0 56.015.707 4.587.239.4 0.00 April 0 May 0 0 55,968,736 4,735,521.0 0.00 0 0 0.00 June 55.690.307 4.562.685.5 July 0 0 59,462,671 5,007,089.6 0.00 August 0 0 59,783,228 5,006,758.3 0.00 September 0 0 58,907,881 4,824,765.7 0.00 October 0 0 59,401,367 4,978,978.5 0.00 0 November 0 58.793.919 4,816,535.5 0.00 December 0 0 59,961,167 4,987,764.6 0.00 2014 0 0 4,637,015.8 0.00 January 55,613,444 February 0 0 54,927,336 4,199,211.1 0.00 0 0 4,665,070.2 0.00 March 55,182,050 April 0 0 55,197,851 4,519,096.1 0.00 May 0 0 55,076,798 4,659,802.3 0.00 June 0 0 55,112,117 4,513,251.3 0.00 July 0 0 59,918,351 5,039,200.6 0.00 0 0 60,159,895 4,986,216.5 0.00 August September 0 0 58,754,461 4,812,726.2 0.00 October 0 59,714,788 4,985,099.7 0.00 0 0 59,027,287 0.00 November 0 4,836,315.9 December 0 0 60,052,109 4,999,717.9 0.00



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnoses / 1K Eligible Members
2015						
	January	0	0	56,019,193	4,669,410.9	0.00
	February	1	1	55,338,070	4,190,367.2	0.00
	March	0	0	55,468,908	4,684,520.4	0.00
	April	0	0	55,559,906	4,546,409.7	0.00
	May	0	0	55,530,032	4,697,558.4	0.00
	June	1	1	55,561,655	4,550,531.8	0.00
	July	1	1	60,018,812	5,049,609.5	0.00
	August	9	9	60,608,742	5,052,975.6	0.00
	September	529	529	59,701,045	4,889,992.5	0.01
	October	5,701	5,701	60,315,150	5,046,605.6	0.09
	November	5,638	5,638	59,632,010	4,884,889.9	0.09
	December	5,859	5,859	60,613,867	5,051,279.5	0.10
2016		-,	-,	,,	-,,	
	January	5,583	5,583	56,088,701	4,681,086.6	0.10
	February	5,137	5,137	55,413,558	4,387,331.4	0.09
	March	5,358	5,358	55,795,330	4,697,900.1	0.10
	April	4,309	4,309	40,754,088	3,340,267.4	0.11
	May			18,902,296		0.08
	June	1,497	1,497		1,602,549.7	
		1,293	1,293	18,922,805	1,553,245.8	0.07
	July	409	409	6,071,474	513,715.4	0.07
	August	252	252	4,821,325	360,692.6	0.05
	des from FBIVI, 1	.83 day washout				
2010	0	•		F7 607 000	4.025.750.0	0.00
	October	0	0	57,637,020	4,826,760.8	0.00
	November	0	0	57,003,911	4,669,258.9	0.00
	December	0	0	58,280,860	4,843,216.9	0.00
2011						
	January	0	0	54,631,745	4,551,510.3	0.00
	February	0	0	53,926,435	4,121,199.0	0.00
	March	0	0	54,226,377	4,581,740.9	0.00
	April	0	0	54,297,175	4,444,256.0	0.00
	May	0	0	54,265,739	4,588,981.3	0.00
	June	0	0	54,100,437	4,429,894.3	0.00
	July	0	0	58,430,834	4,914,250.7	0.00
	August	0	0	58,865,329	4,925,935.4	0.00
	September	0	0	58,002,932	4,748,965.0	0.00
	October	0	0	58,593,541	4,904,035.3	0.00
	November	0	0	57,994,837	4,749,012.6	0.00
	December	0	0	59,303,815	4,928,427.0	0.00
2012	December	U	U	39,303,613	4,920,427.0	0.00
2012	lanuary	0	0	EE 440 961	A 622 22E 1	0.00
	January	0		55,449,861	4,622,335.1	0.00
	February	0	0	54,794,715	4,336,242.8	0.00
	March	0	0	54,894,322	4,638,095.7	0.00
	April	0	0	55,013,318	4,505,025.6	0.00
	May	0	0	54,966,125	4,649,833.8	0.00
	June	0	0	54,894,540	4,496,409.4	0.00
	July	0	0	58,606,289	4,945,380.4	0.00
	August	0	0	59,136,642	4,939,853.9	0.00
	September	0	0	58,298,758	4,773,782.7	0.00
	October	0	0	58,823,834	4,927,605.9	0.00
	November	0	0	58,227,039	4,770,240.0	0.00
	December	0	0	59,380,685	4,946,737.6	0.00
2013						
	January	0	0	56,111,806	4,662,338.8	0.00
	February	0	0	55,454,868	4,239,043.7	0.00
	March	0	0	56,051,330	4,735,405.3	0.00
	April	0	0	56,015,707	4,587,239.4	0.00
	May	0	0	55,968,736	4,735,521.0	0.00
	June	0	0	55,690,307	4,562,685.5	0.00
	July	0	0	59,462,671	5,007,089.6	0.00
	-					
	August	0	0	59,783,228	5,006,758.3	0.00
	September	0	0	58,907,881	4,824,765.7	0.00
	October	0	0	59,401,367	4,978,978.5	0.00
	November	0	0	58,793,919	4,816,535.5	0.00
	December	0	0	59,961,167	4,987,764.6	0.00



		Number of Incident				Number of Incident
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Diagnoses / 1K Eligible Members
2014		Diagnoses	Number of Diagnoses	Eligible Mellibers	Member- rears	Wellibers
2014	January	0	0	55,613,444	4,637,015.8	0.00
	•	0	0	54,927,336		0.00
	February				4,199,211.1	
	March	0	0	55,182,050	4,665,070.2	0.00
	April	0	0	55,197,851	4,519,096.1	0.00
	May	0	0	55,076,798	4,659,802.3	0.00
	June	0	0	55,112,117	4,513,251.3	0.00
	July	0	0	59,918,351	5,039,200.6	0.00
	August	0	0	60,159,895	4,986,216.5	0.00
	September	0	0	58,754,461	4,812,726.2	0.00
	October	0	0			0.00
				59,714,788	4,985,099.7	
	November	0	0	59,027,287	4,836,315.9	0.00
	December	0	0	60,052,109	4,999,717.9	0.00
2015						
	January	0	0	56,019,193	4,669,410.9	0.00
	February	1	1	55,338,070	4,190,367.2	0.00
	March	0	0	55,468,908	4,684,520.4	0.00
	April	0	0	55,559,905	4,546,409.6	0.00
	•	0	0			
	May			55,530,030	4,697,558.2	0.00
	June	1	1	55,561,653	4,550,531.6	0.00
	July	1	1	60,018,810	5,049,609.3	0.00
	August	9	9	60,608,739	5,052,975.4	0.00
	September	538	538	59,701,043	4,889,992.1	0.01
	October	5,846	5,846	60,315,122	5,046,583.7	0.10
	November	5,771	5,771	59,631,478	4,884,832.1	0.10
		·	· ·			
	December	5,978	5,978	60,612,899	5,051,182.5	0.10
2016						
	January	5,730	5,730	56,087,349	4,680,963.0	0.10
	February	5,247	5,247	55,411,754	4,387,181.1	0.09
	March	5,492	5,492	55,792,966	4,697,699.4	0.10
	April	4,402	4,402	40,752,110	3,340,086.1	0.11
	May	1,532	1,532	18,901,652	1,602,490.1	0.08
	-					
	June	1,327	1,327	18,922,144	1,553,185.5	0.07
	July	420	420	6,071,375	513,707.0	0.07
	August	260	260	4,821,256	360,687.2	0.05
-CM cod	les from an Algo	rithm, SFM, and FBM, (	) day washout			
2010						
	October	25,708	48,663	57,716,153	4,834,624.7	0.45
	November	25,778	49,174	57,083,139	4,676,871.8	0.45
	December	26,640	50,677	58,361,401	4,851,164.3	0.46
2011		,	•	, ,	•	
	January	25,925	48,747	54,708,355	4,559,066.6	0.47
	-					
	February	24,422	45,112	54,004,537	4,128,109.5	0.45
	March	26,629	50,968	54,304,661	4,589,505.2	0.49
	April	24,708	46,337	54,376,438	4,451,813.2	0.45
	May	25,072	46,706	54,345,382	4,596,809.0	0.46
	June	24,529	45,849	54,180,080	4,437,454.8	0.45
	July	25,058	46,150	58,516,097	4,922,622.7	0.43
	August	26,560	50,248	58,949,591	4,934,256.4	0.45
	September	26,224	48,152	58,085,767	4,756,913.3	0.45
	October	26,965	50,688	58,676,595	4,912,248.5	0.46
	November	26,687	49,233	58,078,196	4,756,987.5	0.46
	December	27,603	50,881	59,388,173	4,936,750.4	0.46
2012		,	,	,,	,,	
2012	January	26,803	50,372	55,530,223	4,630,251.0	0.48
			•			
	February	25,812	48,599	54,876,327	4,343,731.8	0.47
	March	27,057	51,172	54,975,889	4,646,212.7	0.49
	April	25,880	47,990	55,096,138	4,512,914.6	0.47
	May	26,547	48,719	55,049,184	4,658,029.6	0.48
	June	25,289	46,732	54,978,230	4,504,350.2	0.46
	July	27,103	50,399	58,694,936	4,954,101.6	0.46
	•					
	August	28,323	53,288	59,224,748	4,948,556.2	0.48
	September	26,853	49,081	58,386,075	4,782,162.8	0.46
	October	29,164	54,593	58,911,806	4,936,312.3	0.50
	November	28,467	52,738	58,315,915	4,778,740.5	0.49
	December	29,364	54,413	59,471,414	4,955,666.4	0.49



		Number of Incident				Diagnoses / 1K Eligible
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2013		Diagnoses	reamber of Diagnoses	Liigibie Weilberg	Wichiber Tears	Wellibers
2013	January	29,462	55,970	56,197,731	4,670,823.4	0.52
	February	26,306	49,295	55,542,762	4,246,777.7	0.47
	March	28,048	53,607	56,138,854	4,744,073.1	0.50
	April	28,171	53,896	56,104,107	4,595,653.8	0.50
	May	28,006	53,434	56,057,246	4,744,239.6	0.50
	June	26,128	49,310	55,778,760	4,571,072.3	0.47
	July	28,856	55,605	59,556,573	5,016,305.0	0.48
	August	28,898	56,269	59,876,675	5,015,940.4	0.48
	September	28,289	54,317	59,000,407	4,833,576.6	0.48
	October	30,413	59,818	59,493,519	4,988,077.6	0.51
	November	29,027	55,870	58,886,507	4,825,393.1	0.49
	December	30,807	58,436	60,055,310	4,997,010.4	0.49
2014	December	30,807	30,430	00,033,310	4,337,010.4	0.51
2014	January	29,448	56,490	55,701,673	4,645,703.0	0.53
	February	27,154	51,417	55,017,049	4,207,098.7	0.49
	March	28,859	56,566	55,271,800	4,673,920.9	0.52
	April	29,300	57,611	55,288,350	4,527,701.2	0.53
	May	28,602	56,441	55,167,407	4,668,733.3	0.52
	June	28,035	55,124	55,203,751		0.51
	July				4,521,918.7	0.50
	•	30,224	59,261	60,017,841	5,048,903.4	
	August	29,406	58,354	60,258,780	4,995,827.3	0.49
	September	30,156	58,648	58,851,445	4,821,953.3	0.51
	October	31,336	61,928	59,811,527	4,994,616.9	0.52
	November	29,636	56,891	59,123,837	4,845,527.4	0.50
	December	33,263	64,510	60,149,691	5,009,350.1	0.55
2015	lanam.	20 507	F0 071	FC 110 F3F	4 670 415 0	٥.
	January	30,587	58,971	56,110,525	4,678,415.9	0.55
	February	28,111	54,121	55,431,573	4,198,556.6	0.51
	March	30,830	61,395	55,562,529	4,693,730.3	0.55
	April	29,919	59,836	55,654,716	4,555,384.6	0.54
	May	29,180	58,101	55,625,323	4,706,910.3	0.52
	June	29,360	59,084	55,657,221	4,559,569.0	0.53
	July	31,603	63,977	60,121,043	5,059,633.5	0.53
	August	31,262	61,350	60,711,514	5,062,973.3	0.51
	September	31,498	60,541	59,802,370	4,899,634.6	0.53
	October	13	19	60,415,951	5,056,566.0	0.00
	November	5	5	59,733,371	4,894,566.1	0.00
	December	5	8	60,716,875	5,061,375.7	0.00
2016						
	January	3	3	56,184,879	4,690,539.7	0.00
	February	1	1	55,510,698	4,396,218.4	0.00
	March	1	1	55,892,627	4,707,486.7	0.00
	April	0	0	40,838,247	3,348,128.0	0.00
	May	0	0	18,931,915	1,605,398.3	0.00
	June	1	1	18,953,391	1,556,068.3	0.00
	July	0	0	6,080,161	514,545.9	0.00
	August	0	0	4,828,490	361,293.6	0.00
	des from an Alg	orithm, 0 day washout				
2010	Ostaban	0	0	F7 74C 4F2	4.024.624.7	0.00
	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
2011	December	0	0	58,361,401	4,851,164.3	0.00
2011	January	0	0	54,708,355	4,559,066.6	0.00
	•	0	0			0.00
	February March	0	0	54,004,537	4,128,109.5	
	March	1		54,304,661	4,589,505.2	0.00
	April		1	54,376,438	4,451,813.2	0.00
	May	0	0	54,345,382	4,596,809.0	0.00
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	1	1	58,949,591	4,934,256.4	0.00
	September	0	0	58,085,767	4,756,913.3	0.00
	October	0	0	58,676,595	4,912,248.5	0.00
	November	0	0	58,078,196	4,756,987.5	0.00
	December	0	0	59,388,173	4,936,750.4	0.00



		Number of Incident			Diagnoses / 1K Eligible	
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2012		8		8		
	January	0	0	55,530,223	4,630,251.0	0.00
	February	0	0	54,876,327	4,343,731.8	0.00
	March	1	1	54,975,889	4,646,212.7	0.00
	April	0	0	55,096,138	4,512,914.6	0.00
	May	0	0	55,049,184	4,658,029.6	0.00
	June	0	0	54,978,230	4,504,350.2	0.00
	July	1	1	58,694,936	4,954,101.6	0.00
	August	0	0	59,224,748	4,948,556.2	0.00
	September	0	0	58,386,075	4,782,162.8	0.00
	October	0	0	58,911,806	4,936,312.3	0.00
	November	0	0	58,315,915	4,778,740.5	0.00
	December	0	0	59,471,414	4,955,666.4	0.00
2013				,	,,	
	January	0	0	56,197,731	4,670,823.4	0.00
	February	2	2	55,542,762	4,246,777.7	0.00
	March	0	0	56,138,854	4,744,073.1	0.00
	April	1	1	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	June	0	0	55,778,760	4,571,072.3	0.00
	July	0	0	59,556,573	5,016,305.0	0.00
	August	1	1	59,876,675	5,015,940.4	0.00
	September	0	0	59,000,407	4,833,576.6	0.00
	October	1	1	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
	December	0	0		4,997,010.4	0.00
2014	December	U	Ü	60,055,310	4,557,010.4	0.00
2014	January	1	1	55,701,673	4,645,703.0	0.00
	-	2	2			0.00
	February March	0	0	55,017,049 55,271,800	4,207,098.7	0.00
	April	2	2	55,271,800	4,673,920.9	0.00
	•	0	0	55,288,350 FF 167 407	4,527,701.2	0.00
	May	0		55,167,407	4,668,733.3	
	June	0	0	55,203,751	4,521,918.7	0.00
	July	1	0	60,017,841	5,048,903.4	0.00
	August		1	60,258,780	4,995,827.3	0.00
	September	2	2	58,851,445	4,821,953.3	0.00
	October	1	1	59,811,527	4,994,616.9	0.00
	November	1	1	59,123,837	4,845,527.4	0.00
2045	December	4	4	60,149,691	5,009,350.1	0.00
2015		0		EC 440 E2E	4 670 445 0	0.00
	January	8	8	56,110,525	4,678,415.9	0.00
	February	8	8	55,431,573	4,198,556.6	0.00
	March	5	5	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	May	6	6	55,625,323	4,706,910.3	0.00
	June	11	11	55,657,221	4,559,569.0	0.00
	July	38	39	60,121,043	5,059,633.5	0.00
	August	166	261	60,711,514	5,062,973.3	0.00
	September	2,434	2,747	59,802,370	4,899,634.6	0.04
	October	30,610	60,084	60,415,951	5,056,566.0	0.51
	November	30,490	59,430	59,733,371	4,894,566.1	0.51
	December	31,750	62,889	60,716,875	5,061,375.7	0.52
2016						
	January	29,524	58,318	56,184,879	4,690,539.7	0.53
	February	29,144	58,620	55,510,698	4,396,218.4	0.53
	March	31,233	63,931	55,892,627	4,707,486.7	0.56
	April	24,246	51,010	40,838,247	3,348,128.0	0.59
	May	8,383	17,784	18,931,915	1,605,398.3	0.44
	June	8,054	17,208	18,953,391	1,556,068.3	0.42
	July	1,673	2,533	6,080,161	514,545.9	0.28
	August	978	1,355	4,828,490	361,293.6	0.20
	-		•	• •	*	



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnoses / 1K Eligible Members
D-10-CM cc	odes from SFM, 0 o			<b>3</b>		
2010	•					
	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
	December	0	0	58,361,401	4,851,164.3	0.00
2011						
	January	0	0	54,708,355	4,559,066.6	0.00
	February	0	0	54,004,537	4,128,109.5	0.00
	March	0	0	54,304,661	4,589,505.2	0.00
	April	1	1	54,376,438	4,451,813.2	0.00
	May	0	0	54,345,382	4,596,809.0	0.00
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	1	1	58,949,591	4,934,256.4	0.00
	September	0	0	58,085,767	4,756,913.3	0.00
	October	0	0	58,676,595	4,912,248.5	0.00
	November	0	0	58,078,196	4,756,987.5	0.00
	December	0	0	59,388,173	4,936,750.4	0.00
2012						
	January	0	0	55,530,223	4,630,251.0	0.00
	February	0	0	54,876,327	4,343,731.8	0.00
	March	1	1	54,975,889	4,646,212.7	0.00
	April	0	0	55,096,138	4,512,914.6	0.00
	May	0	0	55,049,184	4,658,029.6	0.00
	June	0	0	54,978,230	4,504,350.2	0.00
	July	1	1	58,694,936	4,954,101.6	0.00
	August	0	0	59,224,748	4,948,556.2	0.00
	September	0	0	58,386,075	4,782,162.8	0.00
	October	0	0	58,911,806	4,936,312.3	0.00
	November	0	0			0.00
	December	0	0	58,315,915	4,778,740.5	
2012	December	U	U	59,471,414	4,955,666.4	0.00
2013		•	•	56 407 704	4 670 000 4	2.22
	January	0	0	56,197,731	4,670,823.4	0.00
	February	2	2	55,542,762	4,246,777.7	0.00
	March	0	0	56,138,854	4,744,073.1	0.00
	April	1	1	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	June	0	0	55,778,760	4,571,072.3	0.00
	July	0	0	59,556,573	5,016,305.0	0.00
	August	1	1	59,876,675	5,015,940.4	0.00
	September	0	0	59,000,407	4,833,576.6	0.00
	October	1	1	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
	December	0	0	60,055,310	4,997,010.4	0.00
2014						
	January	1	1	55,701,673	4,645,703.0	0.00
	February	2	2	55,017,049	4,207,098.7	0.00
	March	0	0	55,271,800	4,673,920.9	0.00
	April	2	2	55,288,350	4,527,701.2	0.00
	May	0	0	55,167,407	4,668,733.3	0.00
	June	0	0	55,203,751	4,521,918.7	0.00
	July	0	0	60,017,841	5,048,903.4	0.00
	August	1	1	60,258,780	4,995,827.3	0.00
	September	2	2	58,851,445	4,821,953.3	0.00
	October	1	1	59,811,527	4,994,616.9	0.00
	November	1	1	59,123,837	4,845,527.4	0.00
	December	4	4	60,149,691	5,009,350.1	0.00
2015				,,	-,,	
	January	8	8	56,110,525	4,678,415.9	0.00
	February	8	8	55,431,573	4,198,556.6	0.00
	March	4	4	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	May	6	6			0.00
	•	0 11	ь 11	55,625,323 55,657,221	4,706,910.3	0.00
	June			55,657,221	4,559,569.0	
	July	37	38	60,121,043	5,059,633.5	0.00
	August	165	260	60,711,514	5,062,973.3	0.00
	September	2,418	2,714	59,802,370	4,899,634.6	0.04
	October	30,172	58,833	60,415,951	5,056,566.0	0.50
	November	30,040	58,100	59,733,371	4,894,566.1	0.50
	December	31,215	61,277	60,716,875	5,061,375.7	0.51



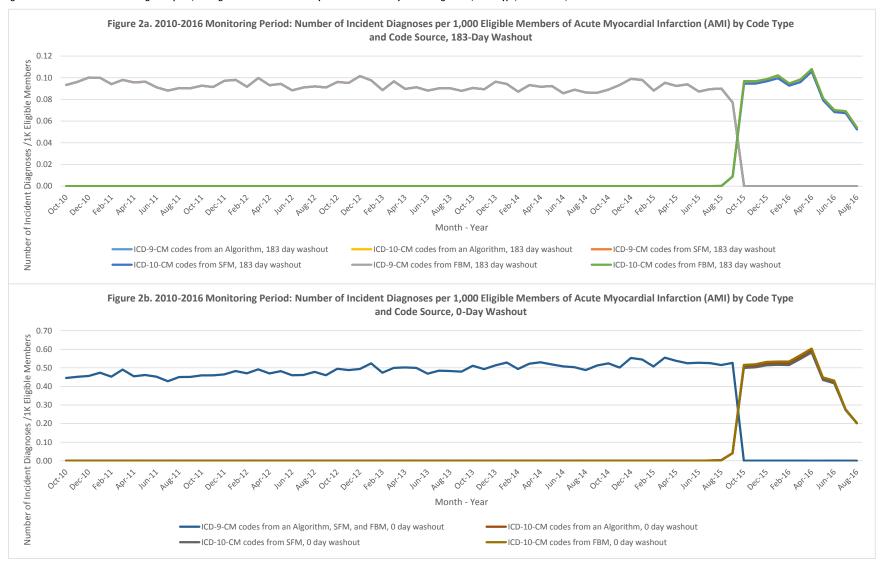
		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnoses / 1K Eligible Members
2016		-	•			
	January	29,000	56,767	56,184,879	4,690,539.7	0.52
	February	28,609	57,089	55,510,698	4,396,218.4	0.52
	March	30,648	62,201	55,892,627	4,707,486.7	0.55
	April	23,800	49,596	40,838,247	3,348,128.0	0.58
	May	8,231	17,259	18,931,915	1,605,398.3	0.43
	June	7,904	16,685	18,953,391	1,556,068.3	0.42
	July	1,659	2,499	6,080,161	514,545.9	0.27
	August	975	1,350	4,828,490	361,293.6	0.20
2010	des from FBM,	0 day washout				
2010	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
	December	0	0	58,361,401	4,851,164.3	0.00
2011						
	January	0	0	54,708,355	4,559,066.6	0.00
	February	0	0	54,004,537	4,128,109.5	0.00
	March	0	0	54,304,661	4,589,505.2	0.00
	April	1	1	54,376,438	4,451,813.2	0.00
	May	0	0	54,345,382	4,596,809.0	0.00
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	1	1	58,949,591	4,934,256.4	0.00
	September	0	0	58,085,767	4,756,913.3	0.00
	October	0	0	58,676,595	4,912,248.5	0.00
	November	0	0	58,078,196	4,756,987.5	0.00
	December	0	0	59,388,173	4,936,750.4	0.00
2012	lanuany	0	0	EE E20 222	4 620 251 0	0.00
	January	0	0	55,530,223	4,630,251.0	0.00
	February March	1	1	54,876,327 E4 07E 990	4,343,731.8	0.00
	April	0	0	54,975,889 55,096,138	4,646,212.7 4,512,914.6	0.00
	•	0	0			0.00
	May June	0	0	55,049,184	4,658,029.6	0.00
	July	1	1	54,978,230 58,694,936	4,504,350.2 4,954,101.6	0.00
	-	0	0			0.00
	August September	0	0	59,224,748 58,386,075	4,948,556.2 4,782,162.8	0.00
	October	0	0	58,911,806	4,936,312.3	0.00
	November	0	0	58,315,915	4,778,740.5	0.00
	December	0	0	59,471,414	4,955,666.4	0.00
2013	December	U	U	39,471,414	4,333,000.4	0.00
	January	0	0	56,197,731	4,670,823.4	0.00
	February	2	2	55,542,762	4,246,777.7	0.00
	March	0	0	56,138,854	4,744,073.1	0.00
	April	1	1	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	June	0	0	55,778,760	4,571,072.3	0.00
	July	0	0	59,556,573	5,016,305.0	0.00
	August	1	1	59,876,675	5,015,940.4	0.00
	September	0	0	59,000,407	4,833,576.6	0.00
	October	1	1	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
	December	0	0	60,055,310	4,997,010.4	0.00
2014	January	1	1	55,701,673	4,645,703.0	0.00
	February	2	2	55,017,049	4,207,098.7	0.00
	March	0	0	55,271,800	4,673,920.9	0.00
	April	2	2	55,288,350	4,527,701.2	0.00
	May	0	0	55,167,407	4,668,733.3	0.00
	June	0	0	55,203,751	4,521,918.7	0.00
	July	0	0	60,017,841	5,048,903.4	0.00
	August	1	1	60,258,780	4,995,827.3	0.00
	September	2	2	58,851,445	4,821,953.3	0.00
	October	1	1	59,811,527	4,994,616.9	0.00
	November	1	1	59,811,527	4,845,527.4	0.00
	December		4			
	pecember	4	4	60,149,691	5,009,350.1	0.00



		Number of Incident				Diagnoses / 1K Eligible
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Members
2015						
	January	8	8	56,110,525	4,678,415.9	0.00
	February	8	8	55,431,573	4,198,556.6	0.00
	March	5	5	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	May	6	6	55,625,323	4,706,910.3	0.00
	June	11	11	55,657,221	4,559,569.0	0.00
	July	39	40	60,121,043	5,059,633.5	0.00
	August	173	268	60,711,514	5,062,973.3	0.00
	September	2,460	2,774	59,802,370	4,899,634.6	0.04
	October	31,171	61,554	60,415,951	5,056,566.0	0.52
	November	31,013	60,782	59,733,371	4,894,566.1	0.52
	December	32,295	64,260	60,716,875	5,061,375.7	0.53
2016						
	January	30,007	59,437	56,184,879	4,690,539.7	0.53
	February	29,628	59,879	55,510,698	4,396,218.4	0.53
	March	31,746	65,304	55,892,627	4,707,486.7	0.57
	April	24,660	52,006	40,838,247	3,348,128.0	0.60
	May	8,496	18,039	18,931,915	1,605,398.3	0.45
	June	8,172	17,519	18,953,391	1,556,068.3	0.43
	July	1,681	2,547	6,080,161	514,545.9	0.43
	•	·			·	0.20
	August	983	1,364	4,828,490	361,293.6	0.20
15	August	983	1,364	4,626,490	301,293.0	0.20
<u>15</u>	August	983	1,364	4,020,430	301,293.0	0.20
· · · · · · · · · · · · · · · · · · ·				4,020,490	301,293.0	0.20
D-9-CM cod		983 ithm, SFM, and FBM,		4,626,490	301,293.0	0.20
· · · · · · · · · · · · · · · · · · ·	des from an Algori	ithm, SFM, and FBM,	90 day washout			
D-9-CM cod	des from an Algori	ithm, SFM, and FBM,	90 day washout 5,808	56,066,806	4,673,252.7	0.10
D-9-CM cod	des from an Algori January February	5,808 5,189	90 day washout 5,808 5,189	56,066,806 55,385,272	4,673,252.7 4,193,840.5	0.10 0.09
D-9-CM cod	des from an Algori	ithm, SFM, and FBM,	90 day washout 5,808	56,066,806	4,673,252.7	0.10
<b>D-9-CM coo</b> 2015	des from an Algori January February	5,808 5,189	90 day washout 5,808 5,189	56,066,806 55,385,272	4,673,252.7 4,193,840.5	0.10 0.09
D-9-CM cod	des from an Algori January February	5,808 5,189	90 day washout 5,808 5,189	56,066,806 55,385,272	4,673,252.7 4,193,840.5	0.10 0.09
2015 2016	des from an Algori January February March	5,808 5,189	90 day washout 5,808 5,189 5,632	56,066,806 55,385,272	4,673,252.7 4,193,840.5	0.10 0.09
2015 2016	des from an Algori January February March	5,808 5,189 5,632	90 day washout 5,808 5,189 5,632	56,066,806 55,385,272	4,673,252.7 4,193,840.5	0.10 0.09
2015 2016 16	des from an Algori January February March	5,808 5,189 5,632	90 day washout 5,808 5,189 5,632	56,066,806 55,385,272	4,673,252.7 4,193,840.5	0.10 0.09
2015 2016 16	des from an Algori January February March odes from an Algo	5,808 5,189 5,632 rithm, 90 day washou	90 day washout 5,808 5,189 5,632	56,066,806 55,385,272 55,517,842 56,137,336	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1	0.10 0.09 0.10
2015 2016 16	January February March  odes from an Algo January February	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357	5,808 5,189 5,632 ut 5,812 5,357	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2	0.10 0.09 0.10
2015 2015 16 2-10-CM cc 2016	January February March  January  January  January  January  February  March	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611	90 day washout 5,808 5,189 5,632	56,066,806 55,385,272 55,517,842 56,137,336	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1	0.10 0.09 0.10
2015 2015 16 2-10-CM cc 2016	January February March  odes from an Algo January February	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611	5,808 5,189 5,632 ut 5,812 5,357	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2	0.10 0.09 0.10 0.10 0.10
2015 2015 16 2-10-CM cc 2016	January February March  January February March  January February March  March  March	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611	5,808 5,189 5,632 ut 5,812 5,357 5,611	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3	0.10 0.09 0.10 0.10 0.10 0.10
2015 2015 16 2-10-CM cc 2016	January February March  January February March  January February March  January January March  January January January January	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666	5,808 5,189 5,632 ut 5,812 5,357 5,611	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3	0.10 0.09 0.10 0.10 0.10 0.10
2015 2015 16 2-10-CM cc 2016	January February March  Description of the state of the s	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666 5,248	5,808 5,189 5,632 ut  5,812 5,357 5,611  5,666 5,248	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048 56,138,022 55,463,246	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3 4,685,124.4 4,391,140.4	0.10 0.09 0.10 0.10 0.10 0.10 0.10
2015 2015 16 2016 2016	January February March  March  January February March	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666 5,248 5,477	5,808 5,189 5,632 ut 5,812 5,357 5,611	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3	0.10 0.09 0.10 0.10 0.10 0.10
2015  16  2016  2016  2016  2016	January February March  Description of the state of the s	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666 5,248 5,477	5,808 5,189 5,632 ut  5,812 5,357 5,611  5,666 5,248	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048 56,138,022 55,463,246	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3 4,685,124.4 4,391,140.4	0.10 0.09 0.10 0.10 0.10 0.10 0.10
2015 2015 16 2016 2016	January February March	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666 5,248 5,477	5,808 5,189 5,632 st 5,812 5,357 5,611 5,666 5,248 5,477	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048 56,138,022 55,463,246 55,845,796	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3 4,685,124.4 4,391,140.4 4,702,000.1	0.10 0.09 0.10 0.10 0.10 0.10 0.10 0.10
2015  16  2016  2016  2016  2016	January February March  January February March  January February March  January February March  January February January February February March  January	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666 5,248 5,477 0 day washout 5,814	5,808 5,189 5,632 It  5,812 5,357 5,611  5,666 5,248 5,477	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048 56,138,022 55,463,246 55,845,796	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3 4,685,124.4 4,391,140.4 4,702,000.1	0.10 0.09 0.10 0.10 0.10 0.10 0.10 0.10
2015  16  2016  2016  2016  2016	January February March	5,808 5,189 5,632 rithm, 90 day washou 5,812 5,357 5,611 0 day washout 5,666 5,248 5,477	5,808 5,189 5,632 st 5,812 5,357 5,611 5,666 5,248 5,477	56,066,806 55,385,272 55,517,842 56,137,336 55,462,525 55,845,048 56,138,022 55,463,246 55,845,796	4,673,252.7 4,193,840.5 4,688,459.8 4,685,054.1 4,391,071.2 4,701,922.3 4,685,124.4 4,391,140.4 4,702,000.1	0.10 0.09 0.10 0.10 0.10 0.10 0.10 0.10



Figures 2a-2d. Number of Incident Diagnoses per 1,000 Eligible Members of Acute Myocardial Infarction by Monitoring Period, Code Type, Code Source, and Washout Period





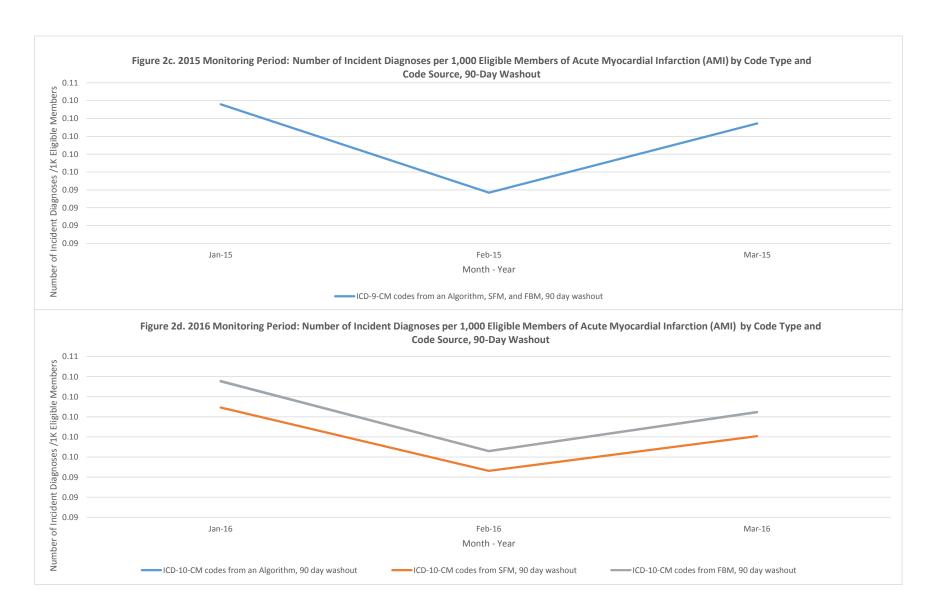




Table 3a. Summary of Incident Ischemic Stroke Diagnoses using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes for a combination of washouts and code sources: Algorithm, Simple Forward Mapping (SFM), and Forward Backward Mapping (FBM), by Monitoring Period

<u>2010-2016</u>					
	Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnoses / 1K Eligible Members
ICD-9-CM codes from an Algorithm, 183 day washout					
	209,262	209,262	131,275,649	318,299,237.5	1.59
ICD-9-CM codes from SFM, 183 day washout					
	209,266	209,266	131,279,919	318,328,158.4	1.59
ICD-9-CM codes from FBM, 183 day washout					
	209,262	209,262	131,273,540	318,289,369.0	1.59
ICD-10-CM codes from an Algorithm, 183 day washout					
	27,956	27,956	131,275,649	318,485,515.8	0.21
ICD-10-CM codes from SFM, 183 day washout					
	2,049	2,049	131,279,919	318,518,221.7	0.02
ICD-10-CM codes from FBM, 183 day washout					
	27,619	27,619	131,273,540	318,474,807.1	0.21
ICD-9-CM codes from an Algorithm, SFM, and FBM, 0 day washout		·		, ,	
<u> </u>	258,254	281,237	131,346,603	319,813,419.4	1.97
ICD-10-CM codes from an Algorithm, 0 day washout	,	,		525,525,12511	
The state of the s	35,663	37,200	131,346,603	319,813,419.4	0.27
ICD-10-CM codes from SFM, 0 day washout	33,000	37,200	131,340,003	313,013,413.4	0.27
ies 10 cm codes from 51 m, 6 day washout	2,510	2,569	131,346,603	319,813,419.4	0.02
ICD-10-CM codes from FBM, 0 day washout	2,310	2,303	131,340,003	313,613,413.4	0.02
ICD-10-CIVI Codes Holli FBIVI, 0 day Washout	35.650	27 217	424.246.602	240.042.440.4	0.27
	35,650	37,217	131,346,603	319,813,419.4	0.27
2015					
ICD-9-CM codes from an Algorithm, SFM, and FBM, 90 day washou	ıt				
Top 5 cm couce non-univigorium, or m, and 12m, 50 au g washed	11,011	11,011	57,634,007	13,535,439.4	0.19
2016					
ICD-10-CM codes from an Algorithm, 90 day washout					
	11,058	11,058	57,430,577	13,763,591.4	0.19
ICD-10-CM codes from SFM, 90 day washout					
	791	791	57,447,546	13,777,259.3	0.01
ICD-10-CM codes from FBM, 90 day washout					
	10,898	10,898	57,421,718	13,758,294.2	0.19



Table 3b. Summary of Incident Ischemic Stroke Diagnoses using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes for a combination of washouts and code sources: Algorithm, Simple Forward Mapping (SFM), and Forward Backward Mapping (FBM), by Monitoring Period and Year/Month

2010-2016

		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diag / 1K Eligible Membe
CM co	des from an Algo	rithm, 183 day washout				
2010		· · · · · · · · · · · · · · · · · · ·				
	October	3,402	3,402	57,508,718	4,814,831.6	0.06
	November	3,456	3,456	56,876,817	4,657,785.5	0.06
	December	3,566	3,566	58,154,360	4,831,488.9	0.06
2011	200020.	3,355	3,333	30,13 1,300	1,002,100.5	0.00
2011	January	3,430	3,430	54,514,747	4,540,684.8	0.06
		3,162	3,162			0.06
	February			53,810,327	4,111,490.3	0.06
	March	3,334	3,334	54,111,938	4,570,952.7	
	April	3,248	3,248	54,181,697	4,433,830.0	0.06
	May	3,380	3,380	54,148,535	4,578,140.6	0.06
	June	3,189	3,189	53,980,505	4,419,248.1	0.06
	July	3,485	3,485	58,298,086	4,902,121.6	0.06
	August	3,580	3,580	58,730,433	4,913,512.9	0.06
	September	3,492	3,492	57,867,062	4,736,852.8	0.06
	October	3,482	3,482	58,455,593	4,891,392.2	0.06
	November	3,516	3,516	57,855,863	4,736,686.7	0.06
	December	3,624	3,624	59,163,333	4,915,612.1	0.06
2012						
	January	3,507	3,507	55,317,726	4,610,313.5	0.06
	February	3,361	3,361	54,661,600	4,324,860.8	0.06
	March	3,477	3,477	54,760,687	4,625,811.0	0.06
	April	3,332	3,332	54,877,652	4,493,024.4	0.06
	May	3,407	3,407	54,828,698	4,637,299.9	0.06
	June	3,347	3,347	54,754,238	4,484,125.8	0.06
	July	3,564	3,564	58,454,793	4,931,698.1	0.06
	August	3,543	3,543	58,983,666	4,926,036.6	0.06
	-					0.06
	September	3,489	3,489	58,145,627	4,760,343.8	
	October	3,665	3,665	58,669,895	4,913,638.9	0.06
	November	3,690	3,690	58,072,195	4,756,708.8	0.06
	December	3,694	3,694	59,224,961	4,932,740.2	0.06
2013						
	January	3,590	3,590	55,968,125	4,649,429.4	0.06
	February	3,344	3,344	55,310,016	4,227,311.7	0.06
	March	3,577	3,577	55,905,328	4,722,230.8	0.06
	April	3,426	3,426	55,869,187	4,574,413.5	0.06
	May	3,468	3,468	55,819,438	4,722,079.3	0.06
	June	3,243	3,243	55,537,843	4,549,504.4	0.06
	July	3,600	3,600	59,297,883	4,992,365.2	0.06
	August	3,660	3,660	59,616,355	4,991,793.0	0.06
	September	3,598	3,598	58,739,383	4,810,131.8	0.06
	October	3,646	3,646	59,231,470	4,963,656.6	0.06
	November	3,576	3,576	58,622,246	4,801,636.2	0.06
	December	3,724	3,724	59,787,986	4,972,340.0	0.06
2014		•	•	, ,	, ,	
	January	3,447	3,447	55,454,527	4,622,855.3	0.06
	February	3,190	3,190	54,768,056	4,186,379.1	0.06
	March	3,515	3,515	55,022,487	4,650,735.6	0.06
	April	3,354	3,354	55,037,700	4,505,162.8	0.06
	15	3,401	3,401	54,915,643	4,645,324.0	0.06
	May		· · · · · · · · · · · · · · · · · · ·			0.06
	June	3,249	3,249	54,946,890	4,499,024.5	
	July	3,662	3,662	59,737,662	5,023,128.5	0.06
	August	3,606	3,606	59,976,025	4,969,908.0	0.06
	September	3,502	3,502	58,570,046	4,796,774.7	0.06
	October	3,747	3,747	59,527,993	4,968,433.2	0.06
	November	3,580	3,580	58,839,098	4,820,063.8	0.06
	December	3,935	3,935	59,863,662	4,982,963.8	0.07



		ber of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Dia / 1K Eligible Memb
2015						
	January	3,604	3,604	55,848,065	4,654,223.7	0.06
	February	3,183	3,183	55,168,143	4,176,835.9	0.06
	March	3,543	3,543	55,300,686	4,669,481.4	0.06
	April	3,455	3,455	55,390,348	4,531,727.7	0.06
	May	3,527	3,527	55,357,735	4,682,238.1	0.06
	June	3,382	3,382	55,386,743	4,535,525.6	0.06
	July	3,778	3,778	59,830,615		0.06
	•	•	·		5,032,963.7	
	August	3,638	3,638	60,416,718	5,036,024.1	0.06
	September	3,090	3,090	59,508,855	4,873,444.5	0.05
	October	0	0	60,122,033	5,029,603.4	0.00
	November	0	0	59,442,836	4,868,769.9	0.00
	December	0	0	60,429,508	5,035,030.1	0.00
2016	lam.cam.	0	0	FF 022 472	4 666 200 7	0.00
	January	0	0	55,922,172	4,666,399.7	0.00
	February	0	0	55,253,037	4,373,958.2	0.00
	March	0	0	55,643,603	4,684,165.1	0.00
	April	0	0	40,624,798	3,329,130.4	0.00
	May	0	0	18,859,460	1,598,751.0	0.00
	June	0	0	18,880,502	1,549,611.9	0.00
	July	0	0	6,058,596	512,586.1	0.00
	August	0	0	4,810,998	359,889.5	0.00
CM coo	des from SFM, 183 day w	ashout				
2010						
	October	3,402	3,402	57,508,718	4,814,831.6	0.06
	November	3,456	3,456	56,876,817	4,657,785.5	0.06
	December	3,566	3,566	58,154,360	4,831,488.9	0.06
2011						
	January	3,430	3,430	54,514,747	4,540,684.8	0.06
	February	3,162	3,162	53,810,327	4,111,490.3	0.06
	March	3,334	3,334	54,111,938	4,570,952.7	0.06
	April	3,248	3,248	54,181,697	4,433,830.0	0.06
	May	3,380	3,380	54,148,535	4,578,140.6	0.06
	June	3,189	3,189			0.06
		•	·	53,980,505	4,419,248.1	
	July	3,485	3,485	58,298,086	4,902,121.6	0.06
	August	3,580	3,580	58,730,433	4,913,512.9	0.06
	September	3,492	3,492	57,867,062	4,736,852.8	0.06
	October	3,482	3,482	58,455,593	4,891,392.2	0.06
	November	3,516	3,516	57,855,863	4,736,686.7	0.06
	December	3,624	3,624	59,163,334	4,915,612.2	0.06
2012						
	January	3,507	3,507	55,317,727	4,610,313.5	0.06
	February	3,361	3,361	54,661,601	4,324,860.9	0.06
	March	3,477	3,477	54,760,688	4,625,811.1	0.06
	April	3,332	3,332	54,877,653	4,493,024.4	0.06
	May	3,407	3,407	54,828,698	4,637,299.9	0.06
	June	3,407	3,347		4,484,125.8	0.06
				54,754,238		
	July	3,564	3,564	58,454,793	4,931,698.1	0.06
	August	3,543	3,543	58,983,665	4,926,036.6	0.06
	September	3,489	3,489	58,145,628	4,760,343.9	0.06
	October	3,665	3,665	58,669,896	4,913,639.0	0.06
	November	3,690	3,690	58,072,197	4,756,708.9	0.06
	December	3,694	3,694	59,224,963	4,932,740.4	0.06
2013						
	January	3,590	3,590	55,968,128	4,649,429.7	0.06
	February	3,344	3,344	55,310,018	4,227,311.9	0.06
	March	3,577	3,577	55,905,330	4,722,231.0	0.06
	April	3,426	3,426	55,869,188	4,574,413.6	0.06
	May	3,468	3,468	55,819,438	4,722,079.3	0.06
	June	3,243	3,243	55,537,843	4,549,504.4	0.06
	July	3,600	3,600	59,297,882	4,992,365.2	0.06
		3,660				0.06
	August		3,660	59,616,354	4,991,792.9	
	September	3,598	3,598	58,739,382	4,810,131.7	0.06
	October	3,646	3,646	59,231,469	4,963,656.4	0.06
	November	3,576	3,576	58,622,245	4,801,636.1	0.06



		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Di / 1K Eligible Meml
2014	I	2.447	2.447	55 454 525	4 632 055 4	0.00
	January 	3,447	3,447	55,454,525	4,622,855.1	0.06
	February	3,190	3,190	54,768,055	4,186,378.9	0.06
	March	3,515	3,515	55,022,486	4,650,735.5	0.06
	April	3,354	3,354	55,037,698	4,505,162.6	0.06
	May	3,401	3,401	54,915,641	4,645,323.7	0.06
	June	3,249	3,249	54,946,888	4,499,024.4	0.06
	July	3,662	3,662	59,737,663	5,023,128.5	0.06
		3,606	3,606			0.06
	August	•	•	59,976,024	4,969,907.9	
	September	3,502	3,502	58,570,045	4,796,774.6	0.06
	October	3,747	3,747	59,527,992	4,968,433.1	0.06
	November	3,580	3,580	58,839,100	4,820,063.8	0.06
	December	3,935	3,935	59,863,661	4,982,963.9	0.07
2015	lanuami	2.604	2.004	FF 949 06F	4 654 222 0	0.06
	January	3,604	3,604	55,848,065	4,654,223.8	
	February	3,183	3,183	55,168,145	4,176,836.0	0.06
	March	3,543	3,543	55,300,688	4,669,481.7	0.06
	April	3,455	3,455	55,390,351	4,531,728.0	0.06
	May	3,528	3,528	55,357,739	4,682,238.5	0.06
	June	3,382	3,382	55,386,752	4,535,525.9	0.06
	July	3,779	3,779	59,830,616	5,032,964.1	0.06
	•	3,639	3,639			0.06
	August			60,416,722	5,036,024.8	
	September	3,091	3,091	59,508,861	4,873,447.2	0.05
	October	0	0	60,122,651	5,030,096.2	0.00
	November	0	0	59,455,409	4,870,221.0	0.00
	December	0	0	60,454,523	5,037,535.5	0.00
2016	January	0	0	55,957,782	4,669,735.2	0.00
	•					
	February	0	0	55,302,236	4,378,144.2	0.00
	March	0	0	55,708,682	4,689,894.7	0.00
	April	0	0	40,684,899	3,334,671.4	0.00
	May	0	0	18,881,595	1,600,863.4	0.00
	June	0	0	18,903,842	1,551,763.8	0.00
	July	0	0	6,066,828	513,384.9	0.00
	August	0	0	4,818,094	360,500.6	0.00
СМ со	des from FBM, 183 day	/ washout				
2010	October	2 402	2.402	F7 F00 710	4 01 4 021 6	0.06
		3,402	3,402	57,508,718	4,814,831.6	
	November	3,456	3,456	56,876,817	4,657,785.5	0.06
	December	3,566	3,566	58,154,360	4,831,488.9	0.06
				F4 F14 747		
2011	lanuar.	2.420	2.420		4 5 40 60 4 0	0.06
2011	January	3,430	3,430	54,514,747	4,540,684.8	0.06
2011	February	3,162	3,162	53,810,327	4,111,490.3	0.06
2011	February March	3,162 3,334	3,162 3,334	• •	4,111,490.3 4,570,952.7	0.06 0.06
2011	February	3,162	3,162	53,810,327	4,111,490.3	0.06
2011	February March	3,162 3,334	3,162 3,334	53,810,327 54,111,938	4,111,490.3 4,570,952.7	0.06 0.06
2011	February March April	3,162 3,334 3,248 3,380	3,162 3,334 3,248 3,380	53,810,327 54,111,938 54,181,697 54,148,535	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6	0.06 0.06 0.06
2011	February March April May June	3,162 3,334 3,248 3,380 3,189	3,162 3,334 3,248 3,380 3,189	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1	0.06 0.06 0.06 0.06 0.06
2011	February March April May June July	3,162 3,334 3,248 3,380 3,189 3,485	3,162 3,334 3,248 3,380 3,189 3,485	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6	0.06 0.06 0.06 0.06 0.06 0.06
2011	February March April May June July August	3,162 3,334 3,248 3,380 3,189 3,485 3,580	3,162 3,334 3,248 3,380 3,189 3,485 3,580	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9	0.06 0.06 0.06 0.06 0.06 0.06 0.06
2011	February March April May June July August September	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8	0.06 0.06 0.06 0.06 0.06 0.06 0.06
2011	February March April May June July August September October	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
2011	February March April May June July August September October November	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
2011	February March April May June July August September October November December	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May June	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407 3,347	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407 3,347	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698 54,754,238	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9 4,484,125.8	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May June July	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407 3,347 3,564	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407 3,347 3,564	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698 54,754,238 58,454,793	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9 4,484,125.8 4,931,698.1	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May June July August	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407 3,347 3,564 3,543	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407 3,347 3,564 3,543	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698 54,754,238 58,454,793 58,983,665	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9 4,484,125.8 4,931,698.1 4,926,036.5	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May June July	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407 3,347 3,564	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407 3,347 3,564	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698 54,754,238 58,454,793	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9 4,484,125.8 4,931,698.1	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May June July August	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407 3,347 3,564 3,543	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407 3,347 3,564 3,543	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698 54,754,238 58,454,793 58,983,665	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9 4,484,125.8 4,931,698.1 4,926,036.5	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06
	February March April May June July August September October November December  January February March April May June July August September	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624 3,507 3,361 3,477 3,332 3,407 3,347 3,564 3,543 3,489	3,162 3,334 3,248 3,380 3,189 3,485 3,580 3,492 3,482 3,516 3,624  3,507 3,361 3,477 3,332 3,407 3,347 3,564 3,543 3,489	53,810,327 54,111,938 54,181,697 54,148,535 53,980,505 58,298,086 58,730,433 57,867,062 58,455,593 57,855,863 59,163,333 55,317,726 54,661,600 54,760,687 54,877,652 54,828,698 54,754,238 58,454,793 58,983,665 58,145,626	4,111,490.3 4,570,952.7 4,433,830.0 4,578,140.6 4,419,248.1 4,902,121.6 4,913,512.9 4,736,852.8 4,891,392.2 4,736,686.7 4,915,612.1 4,610,313.5 4,324,860.8 4,625,811.0 4,493,024.4 4,637,299.9 4,484,125.8 4,931,698.1 4,926,036.5 4,760,343.7	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagr / 1K Eligible Member
2013	Indiana.	2.500	2.500	FF 0C0 12F	4.640.430.4	0.06
	January	3,590	3,590	55,968,125	4,649,429.4	0.06
	February	3,344	3,344	55,310,016	4,227,311.7	0.06
	March	3,577	3,577	55,905,328	4,722,230.8	0.06
	April	3,426	3,426	55,869,187	4,574,413.5	0.06
	May	3,468	3,468	55,819,437	4,722,079.2	0.06
	June	3,243	3,243	55,537,842	4,549,504.3	0.06
	July	3,600	3,600	59,297,882	4,992,365.1	0.06
	August	3,660	3,660	59,616,354	4,991,792.9	0.06
	September	3,598	3,598		4,810,131.7	0.06
	•			58,739,382		
	October	3,646	3,646	59,231,469	4,963,656.4	0.06
	November	3,576	3,576	58,622,245	4,801,636.1	0.06
2014	December	3,724	3,724	59,787,984	4,972,339.8	0.06
2014	January	3,447	3,447	55,454,525	4,622,855.1	0.06
	February	3,190	3,190	54,768,054	4,186,378.9	0.06
	•					
	March	3,515	3,515	55,022,485	4,650,735.4	0.06
	April	3,354	3,354	55,037,698	4,505,162.6	0.06
	May	3,401	3,401	54,915,641	4,645,323.7	0.06
	June	3,249	3,249	54,946,888	4,499,024.3	0.06
	July	3,662	3,662	59,737,659	5,023,128.1	0.06
	August	3,606	3,606	59,976,021	4,969,907.7	0.06
	September	3,502	3,502	58,570,042	4,796,774.4	0.06
	October	3,747	3,747	59,527,989	4,968,432.8	0.06
	November	•	•			
		3,580	3,580	58,839,094	4,820,063.4	0.06
2015	December	3,935	3,935	59,863,659	4,982,963.5	0.07
2013	January	3,604	3,604	55,848,063	4,654,223.4	0.06
	February	3,183	3,183	55,168,140	4,176,835.7	0.06
	March	3,543	3,543	55,300,683	4,669,481.1	0.06
		•				
	April	3,455	3,455	55,390,344	4,531,727.4	0.06
	May	3,527	3,527	55,357,728	4,682,237.5	0.06
	June	3,382	3,382	55,386,736	4,535,524.6	0.06
	July	3,778	3,778	59,830,601	5,032,962.5	0.06
	August	3,638	3,638	60,416,701	5,036,022.2	0.06
	September	3,090	3,090	59,508,826	4,873,440.4	0.05
	October	0	0	60,121,689	5,029,400.3	0.00
	November	0	0			0.00
				59,437,854	4,868,208.9	
2016	December	0	0	60,419,735	5,034,060.0	0.00
2010	January	0	0	55,908,416	4,665,146.2	0.00
	February	0	0	55,234,795	4,372,432.1	0.00
	•			55,617,814	4,682,025.5	
	March	0	0			0.00
	April	0	0	40,602,418	3,327,088.6	0.00
	May	0	0	18,853,296	1,598,164.3	0.00
	June	0	0	18,874,580	1,549,064.4	0.00
	July	0	0	6,058,406	512,565.4	0.00
	August	0	0	4,810,912	359,885.9	0.00
	odes from an Algo	orithm, 183 day washou	t			
2010	October	0	0	57,508,718	4,814,831.6	0.00
					4,657,785.5	0.00
	November	0	0	56,876,817		
2011	December	0	0	58,154,360	4,831,488.9	0.00
2011	January	0	0	54,514,747	4,540,684.8	0.00
	•	0	0			0.00
	February			53,810,327	4,111,490.3	
	March	0	0	54,111,938	4,570,952.7	0.00
	April	0	0	54,182,393	4,433,854.3	0.00
	May	0	0	54,150,312	4,578,245.9	0.00
	June	0	0	53,983,521	4,419,442.6	0.00
	July	0	0	58,302,474	4,902,423.5	0.00
	August	0	0	58,736,271	4,913,933.3	0.00
	_					
	September	0	0	57,874,314	4,737,374.0	0.00
	October	0	0	58,464,328	4,892,045.8	0.00
	November	0	0	57,865,981	4,737,434.3	0.00
	November	U	O	37,003,301	1,707,101.10	0.00



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagno / 1K Eligible Members
2012						
Janua	ary	0	0	55,330,283	4,611,277.9	0.00
Febru	ıary	0	0	54,675,540	4,325,876.3	0.00
March	h	0	0	54,776,235	4,627,010.9	0.00
April		0	0	54,894,649	4,494,308.4	0.00
May		0	0	54,847,247	4,638,751.9	0.00
June		0	0	54,774,350	4,485,657.3	0.00
July		0	0	58,476,190	4,933,387.4	0.00
Augus	ct	0	0	59,006,762	4,927,858.1	0.00
Septe		0	0	58,170,371	4,762,237.1	0.00
Octob		0	0			0.00
				58,696,105	4,915,710.3	
Nover		0	0	58,099,849	4,758,837.5	0.00
Decer	mber	0	0	59,254,350	4,935,065.7	0.00
2013		0	0	FF 007 242	4 654 744 5	0.00
Janua	-	0	0	55,997,243	4,651,744.5	0.00
Febru	•	0	0	55,340,212	4,229,497.9	0.00
March	h	0	0	55,937,144	4,724,761.6	0.00
April		0	0	55,902,424	4,576,979.6	0.00
May		0	0	55,854,001	4,724,847.3	0.00
June		0	0	55,573,623	4,552,289.2	0.00
July		0	0	59,334,943	4,995,333.5	0.00
Augus	st	0	0	59,654,998	4,994,884.0	0.00
Septe	ember	0	0	58,779,291	4,813,238.1	0.00
Octob	oer	0	0	59,273,067	4,966,979.2	0.00
Nover	mber	0	0	58,665,055	4,804,964.5	0.00
Decer		0	0	59,832,229	4,975,892.3	0.00
2014		· ·	· ·	33,032,123	1,575,65215	0.00
Janua	arv	0	0	55,497,270	4,626,287.1	0.00
Febru	-	0	0	54,811,807	4,189,569.5	0.00
March	•	0	0	55,067,608	4,654,360.2	0.00
	11	0	0	55,083,972		0.00
April		0	0		4,508,771.0	
May				54,963,331	4,649,159.9	0.00
June		0	0	54,995,574	4,502,834.7	0.00
July		0	0	59,787,575	5,027,153.7	0.00
Augus		0	0	60,027,021	4,973,998.0	0.00
Septe		0	0	58,622,019	4,800,842.1	0.00
Octob		0	0	59,581,451	4,972,738.3	0.00
Nover	mber	0	0	58,893,695	4,824,329.4	0.00
Decer	mber	0	0	59,919,846	4,987,488.7	0.00
2015						
Janua	ary	2	2	55,902,073	4,658,572.7	0.00
Febru	ıary	0	0	55,222,846	4,180,770.9	0.00
March	h	0	0	55,355,631	4,673,922.7	0.00
April		0	0	55,446,441	4,536,111.9	0.00
May		0	0	55,414,807	4,686,861.8	0.00
June		1	1	55,444,668	4,540,079.1	0.00
July		1	1	59,889,865	5,037,758.9	0.00
Augus	st	7	7	60,477,000	5,040,905.7	0.00
Septe		405	405	59,570,413	4,878,270.8	0.01
Octob		3,761	3,761	60,185,196	5,034,707.9	0.06
						0.06
Nover		3,786	3,786	59,507,406	4,873,840.0	
Decer 2016	inber	3,957	3,957	60,495,815	5,040,403.7	0.07
Janua	rv	3,657	3,657	55,986,580	4,671,597.1	0.07
	-					
Febru	· ·	3,246	3,246	55,318,952	4,378,953.8	0.06
March	n	3,717	3,717	55,712,272	4,689,663.6	0.07
April		3,054	3,054	40,684,152	3,333,855.6	0.08
May		1,002	1,002	18,881,687	1,600,603.8	0.05
June		911	911	18,902,247	1,551,368.6	0.05
Leader		249	249	6,068,115	513,390.1	0.04
July Augus		200	200	4,818,449	360,459.8	0.04



		Number of Incident				Number of Incident Diagnoses
		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	/ 1K Eligible Members
	odes from SFM,	183 day washout				
2010	Ostaban	0	0	F7 F00 740	4.04.4.024.6	0.00
	October	0	0	57,508,718	4,814,831.6	0.00
	November	0	0	56,876,817	4,657,785.5	0.00
2011	December	0	0	58,154,360	4,831,488.9	0.00
2011		0	0	F 4 F 1 4 7 4 7	4 5 40 604 0	0.00
	January	0	0	54,514,747	4,540,684.8	0.00
	February	0	0	53,810,327	4,111,490.3	0.00
	March	0	0	54,111,938	4,570,952.7	0.00
	April	0	0	54,182,393	4,433,854.3	0.00
	May	0	0	54,150,312	4,578,245.9	0.00
	June	0	0	53,983,521	4,419,442.6	0.00
	July	0	0	58,302,474	4,902,423.5	0.00
	August	0	0	58,736,271	4,913,933.3	0.00
	September	0	0	57,874,314	4,737,374.0	0.00
	October	0	0	58,464,328	4,892,045.8	0.00
	November	0	0	57,865,981	4,737,434.4	0.00
	December	0	0	59,175,063	4,916,506.7	0.00
2012						
	January	0	0	55,330,284	4,611,278.0	0.00
	February	0	0	54,675,541	4,325,876.4	0.00
	March	0	0	54,776,236	4,627,011.0	0.00
	April	0	0	54,894,650	4,494,308.5	0.00
	May	0	0	54,847,247	4,638,751.9	0.00
	June	0	0	54,774,350	4,485,657.3	0.00
	July	0	0	58,476,190	4,933,387.3	0.00
	August	0	0	59,006,761	4,927,858.1	0.00
	September	0	0	58,170,372	4,762,237.2	0.00
	October	0	0	58,696,106	4,915,710.4	0.00
	November	0	0	58,099,851	4,758,837.7	0.00
	December	0	0	59,254,352	4,935,065.9	0.00
2013						
	January	0	0	55,997,246	4,651,744.8	0.00
	February	0	0	55,340,214	4,229,498.1	0.00
	March	0	0	55,937,146	4,724,761.8	0.00
	April	0	0	55,902,425	4,576,979.8	0.00
	May	0	0	55,854,001	4,724,847.3	0.00
	June	0	0	55,573,623	4,552,289.2	0.00
	July	0	0	59,334,942	4,995,333.4	0.00
	August	0	0	59,654,997	4,994,884.0	0.00
	September	0	0	58,779,290	4,813,238.0	0.00
	October	0	0	59,273,066	4,966,979.0	0.00
	November	0	0	58,665,054	4,804,964.4	0.00
	December	0	0	59,832,227	4,975,892.1	0.00
2014				,	.,	
	January	0	0	55,497,269	4,626,286.9	0.00
	February	0	0	54,811,806	4,189,569.3	0.00
	March	0	0	55,067,607	4,654,360.1	0.00
	April	0	0	55,083,970	4,508,770.8	0.00
	May	0	0	54,963,329	4,649,159.6	0.00
	June	0	0	54,995,572	4,502,834.6	0.00
	July	0	0	59,787,576	5,027,153.7	0.00
	August	0	0	60,027,020	4,973,997.9	0.00
	September	0	0	58,622,018	4,800,842.0	0.00
	October	0	0	59,581,450	4,972,738.2	0.00
	November	0	0	59,581,450 58,893,697	4,824,329.4	0.00
	December	0	0	59,919,845	4,824,329.4 4,987,488.8	0.00
	pereimpei	U	U	JJ,J13,04J	4,707,400.0	0.00



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diag / 1K Eligible Membe
2015						
	January	0	0	55,902,073	4,658,572.9	0.00
	February	0	0	55,222,847	4,180,771.0	0.00
	March	0	0	55,355,632	4,673,922.9	0.00
	April	0	0	55,446,444	4,536,112.2	0.00
	•	0	0		4,686,862.2	0.00
	May			55,414,811		
	June	0	0	55,444,678	4,540,079.4	0.00
	July	0	0	59,889,869	5,037,759.5	0.00
	August	2	2	60,477,005	5,040,906.7	0.00
	September	37	37	59,570,421	4,878,273.9	0.00
	October	288	288			0.00
				60,185,939	5,035,242.5	
	November	285	285	59,521,294	4,875,428.7	0.00
	December	283	283	60,523,612	5,043,163.2	0.00
2016						
	January	263	263	56,026,595	4,675,303.0	0.00
	•					
	February	228	228	55,374,951	4,383,654.6	0.00
	March	270	270	55,787,920	4,696,184.9	0.00
	April	236	236	40,753,886	3,340,237.7	0.01
	May	65	65	18,907,207	1,603,014.9	0.00
	•					
	June	58	58	18,929,302	1,553,832.4	0.00
	July	25	25	6,077,749	514,310.2	0.00
	August	9	9	4,826,804	361,171.6	0.00
-CM cc		183 day washout	-	,,		,
	oues moni i bivi,	105 day washout				
2010	0.1.1	•	•	F3 F00 F15		
	October	0	0	57,508,718	4,814,831.6	0.00
	November	0	0	56,876,817	4,657,785.5	0.00
	December	0	0	58,154,360	4,831,488.9	0.00
2011		- -	-	, - ,	, ,	*· <del>**</del>
2011	la accesar	0	0	F 4 F 4 4 7 4 7	4.540.604.0	0.00
	January	0	0	54,514,747	4,540,684.8	0.00
	February	0	0	53,810,327	4,111,490.3	0.00
	March	0	0	54,111,938	4,570,952.7	0.00
	April	0	0	54,182,393	4,433,854.3	0.00
	•					
	May	0	0	54,150,312	4,578,245.9	0.00
	June	0	0	53,983,521	4,419,442.6	0.00
	July	0	0	58,302,474	4,902,423.5	0.00
	•	0	0			0.00
	August			58,736,271	4,913,933.3	
	September	0	0	57,874,314	4,737,374.0	0.00
	October	0	0	58,464,328	4,892,045.8	0.00
	November	0	0	57,865,981	4,737,434.3	0.00
			0			
	December	0	U	59,175,062	4,916,506.6	0.00
2012						
	January	0	0	55,330,283	4,611,277.9	0.00
	February	0	0	54,675,540	4,325,876.3	0.00
						0.00
	March	0	0	54,776,235	4,627,010.9	
	April	0	0	54,894,649	4,494,308.4	0.00
	May	0	0	54,847,247	4,638,751.9	0.00
	June	0	0	54,774,350	4,485,657.3	0.00
	July	0	0	58,476,190	4,933,387.3	0.00
	August	0	0	59,006,761	4,927,858.0	0.00
	September	0	0	58,170,370	4,762,237.0	0.00
	October	0	0	58,696,104	4,915,710.2	0.00
	November	0	0	58,099,848	4,758,837.5	0.00
	December	0	0	59,254,349	4,935,065.7	0.00
2013						
	January	0	0	55,997,243	4,651,744.5	0.00
	=					
	February	0	0	55,340,212	4,229,497.9	0.00
	March	0	0	55,937,144	4,724,761.6	0.00
	April	0	0	55,902,424	4,576,979.6	0.00
	May	0	0	55,854,000	4,724,847.3	0.00
	June	0	0	55,573,622	4,552,289.1	0.00
	July	0	0	59,334,942	4,995,333.4	0.00
	August	0	0	59,654,997	4,994,884.0	0.00
	-					
	September	0	0	58,779,290	4,813,238.0	0.00
	October	0	0	59,273,066	4,966,979.0	0.00
	November	0	0	58,665,054	4,804,964.4	0.00
	December 1R_WP001_NS	0	0	59,832,227	4,975,892.1	0.00



		Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	/ 1K Eligible Mem
2014	lanuam.	0	0	FF 407 369	4 626 296 0	0.00
	January	0	0	55,497,268	4,626,286.9	0.00
	February	0	0	54,811,805	4,189,569.3	0.00
	March	0	0	55,067,606	4,654,360.0	0.00
	April	0	0	55,083,970	4,508,770.8	0.00
	May	0	0	54,963,329	4,649,159.6	0.00
	June	0	0	54,995,572	4,502,834.5	0.00
	July	0	0	59,787,572	5,027,153.4	0.00
	August	0	0	60,027,017	4,973,997.6	0.00
	September	0	0	58,622,015	4,800,841.7	0.00
	•	0	0			0.00
	October			59,581,447	4,972,737.9	
	November	0	0	58,893,691	4,824,329.0	0.00
2015	December	0	0	59,919,843	4,987,488.5	0.00
2013	January	2	2	55,902,071	4,658,572.5	0.00
	February	0	0	55,222,842	4,180,770.6	0.00
	March	0	0	55,355,627	4,673,922.2	0.00
		0	0			
	April			55,446,436	4,536,111.5	0.00
	May	0	0	55,414,799	4,686,861.1	0.00
	June	1	1	55,444,661	4,540,078.1	0.00
	July	1	1	59,889,851	5,037,757.7	0.00
	August	7	7	60,476,981	5,040,903.7	0.00
	September	406	406	59,570,381	4,878,266.5	0.01
	October	3,734	3,734	60,184,814	5,034,490.7	0.06
	November	3,737	3,737	59,502,008	4,873,238.9	0.06
	December	3,919	3,919	60,485,259	5,039,363.5	0.06
2016	December	3,919	3,313	00,483,239	3,039,303.3	0.00
	January	3,610	3,610	55,971,686	4,670,250.5	0.06
	February	3,212	3,212	55,299,124	4,377,310.0	0.06
	March	3,654	3,654	55,683,708	4,687,334.1	0.07
	April	3,003	3,003	40,659,390	3,331,611.7	0.07
	May	992	992	18,874,852	1,599,958.5	0.05
	•					
	June	894	894	18,895,736	1,550,769.1	0.05
	July	248	248	6,067,907	513,367.7	0.04
CNA co	August des from an Algorithm	199	199	4,818,356	360,456.0	0.04
2010	ues iroin an Aigoritiini	, Srivi, aliu Fbivi, U	uay washout			
	October	4,378	4,455	57,716,153	4,834,624.7	0.08
	November	4,356	4,437	57,083,139	4,676,871.8	0.08
	December	4,556	4,637	58,361,401	4,851,164.3	0.08
2011		,	,	,,	, ,	
	January	4,363	4,437	54,708,355	4,559,066.6	0.08
	•		7,737			0.00
			4.054	E4 004 E27		0.07
	February	3,997	4,054	54,004,537 54,304,661	4,128,109.5	0.07
	March	4,233	4,312	54,304,661	4,589,505.2	0.08
	March April	4,233 4,168	4,312 4,234	54,304,661 54,376,438	4,589,505.2 4,451,813.2	0.08 0.08
	March April May	4,233 4,168 4,326	4,312 4,234 4,420	54,304,661 54,376,438 54,345,382	4,589,505.2 4,451,813.2 4,596,809.0	0.08 0.08 0.08
	March April May June	4,233 4,168 4,326 4,056	4,312 4,234 4,420 4,143	54,304,661 54,376,438 54,345,382 54,180,080	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8	0.08 0.08
	March April May	4,233 4,168 4,326	4,312 4,234 4,420	54,304,661 54,376,438 54,345,382	4,589,505.2 4,451,813.2 4,596,809.0	0.08 0.08 0.08
	March April May June	4,233 4,168 4,326 4,056	4,312 4,234 4,420 4,143	54,304,661 54,376,438 54,345,382 54,180,080	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8	0.08 0.08 0.08 0.07
	March April May June July August	4,233 4,168 4,326 4,056 4,474 4,653	4,312 4,234 4,420 4,143 4,572 4,750	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4	0.08 0.08 0.08 0.07 0.08 0.08
	March April May June July August September	4,233 4,168 4,326 4,056 4,474 4,653 4,490	4,312 4,234 4,420 4,143 4,572 4,750 4,572	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3	0.08 0.08 0.08 0.07 0.08 0.08
	March April May June July August September October	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5	0.08 0.08 0.08 0.07 0.08 0.08 0.08
	March April May June July August September October November	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5	0.08 0.08 0.08 0.07 0.08 0.08 0.08
2012	March April May June July August September October November December	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4	0.08 0.08 0.07 0.08 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December January February	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591 4,498 4,273	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591 4,498 4,273 4,508	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658 4,658 4,582 4,363 4,589	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7	0.08 0.08 0.07 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591 4,498 4,273 4,508 4,324	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658 4,658 4,582 4,363 4,589 4,415	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591 4,498 4,273 4,508	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658 4,658 4,582 4,363 4,589	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7	0.08 0.08 0.07 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591 4,498 4,273 4,508 4,324	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658 4,658 4,582 4,363 4,589 4,415	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April May June	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591 4,498 4,273 4,508 4,324 4,421 4,305	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658  4,582 4,363 4,589 4,415 4,506 4,393	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April May June July	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591  4,498 4,273 4,508 4,324 4,421 4,305 4,660	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658  4,582 4,363 4,589 4,415 4,506 4,393 4,750	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April May June July August	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591  4,498 4,273 4,508 4,324 4,421 4,305 4,660 4,577	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658  4,582 4,363 4,589 4,415 4,506 4,393 4,750 4,653	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April May June July August September	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591  4,498 4,273 4,508 4,324 4,421 4,305 4,660 4,577 4,524	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658  4,582 4,363 4,589 4,415 4,506 4,393 4,750 4,653 4,596	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April May June July August September October	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591  4,498 4,273 4,508 4,324 4,421 4,305 4,660 4,577 4,524 4,791	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658  4,582 4,363 4,589 4,415 4,506 4,393 4,750 4,653 4,596 4,873	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075 58,911,806	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8 4,936,312.3	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08
2012	March April May June July August September October November December  January February March April May June July August September	4,233 4,168 4,326 4,056 4,474 4,653 4,490 4,470 4,481 4,591  4,498 4,273 4,508 4,324 4,421 4,305 4,660 4,577 4,524	4,312 4,234 4,420 4,143 4,572 4,750 4,572 4,551 4,568 4,658  4,582 4,363 4,589 4,415 4,506 4,393 4,750 4,653 4,596	54,304,661 54,376,438 54,345,382 54,180,080 58,516,097 58,949,591 58,085,767 58,676,595 58,078,196 59,388,173 55,530,223 54,876,327 54,975,889 55,096,138 55,049,184 54,978,230 58,694,936 59,224,748 58,386,075	4,589,505.2 4,451,813.2 4,596,809.0 4,437,454.8 4,922,622.7 4,934,256.4 4,756,913.3 4,912,248.5 4,756,987.5 4,936,750.4 4,630,251.0 4,343,731.8 4,646,212.7 4,512,914.6 4,658,029.6 4,504,350.2 4,954,101.6 4,948,556.2 4,782,162.8	0.08 0.08 0.08 0.07 0.08 0.08 0.08 0.08



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagr / 1K Eligible Member
2013		4.704	4.705	56 407 724	4.670.022.4	0.00
	January	4,701	4,795	56,197,731	4,670,823.4	0.08
	February	4,378	4,448	55,542,762	4,246,777.7	0.08
	March	4,602	4,690	56,138,854	4,744,073.1	0.08
	April	4,513	4,596	56,104,107	4,595,653.8	0.08
	May	4,552	4,637	56,057,246	4,744,239.6	0.08
	June	4,319	4,396	55,778,760	4,571,072.3	0.08
	July	4,805	4,910	59,556,573	5,016,305.0	0.08
	August	4,906	5,013	59,876,675	5,015,940.4	0.08
	_					
	September	4,765	4,860	59,000,407	4,833,576.6	0.08
	October	4,869	4,966	59,493,519	4,988,077.6	0.08
	November	4,795	4,891	58,886,507	4,825,393.1	0.08
	December	4,928	5,009	60,055,310	4,997,010.4	0.08
2014	lan	4.665	4.760	FF 704 C72	4 645 702 0	0.00
	January	4,665	4,760	55,701,673	4,645,703.0	0.08
	February	4,251	4,332	55,017,049	4,207,098.7	0.08
	March	4,685	4,788	55,271,800	4,673,920.9	0.08
	April	4,533	4,617	55,288,350	4,527,701.2	0.08
	May	4,590	4,681	55,167,407	4,668,733.3	0.08
	June	4,475	4,580	55,203,751	4,521,918.7	0.08
		· ·				
	July	5,023	5,109	60,017,841	5,048,903.4	0.08
	August	4,917	5,019	60,258,780	4,995,827.3	0.08
	September	4,778	4,871	58,851,445	4,821,953.3	0.08
	October	5,106	5,198	59,811,527	4,994,616.9	0.09
	November	4,871	4,958	59,123,837	4,845,527.4	0.08
	December	5,379	5,508	60,149,691	5,009,350.1	0.09
2015	200020.	3,3.3	3,300	00/1 15/031	3,003,030.1	0.03
	January	4,841	4,948	56,110,525	4,678,415.9	0.09
	February	4,324	4,415	55,431,573	4,198,556.6	0.08
	March	4,760	4,871	55,562,529	4,693,730.3	0.09
		· ·	•			0.08
	April	4,702	4,804	55,654,716	4,555,384.6	
	May	4,817	4,932	55,625,323	4,706,910.3	0.09
	June	4,620	4,709	55,657,221	4,559,569.0	0.08
	July	5,201	5,314	60,121,043	5,059,633.5	0.09
	August	4,982	5,084	60,711,514	5,062,973.3	0.08
	September	4,231	4,304	59,802,370	4,899,634.6	0.07
	October	0	0	60,415,951	5,056,566.0	0.00
	November	0	0	59,733,371	4,894,566.1	0.00
2016	December	0	0	60,716,875	5,061,375.7	0.00
2010	January	0	0	56,184,879	4,690,539.7	0.00
	February	0	0	55,510,698	4,396,218.4	0.00
	•			55,892,627		
	March	0	0		4,707,486.7	0.00
	April	0	0	40,838,247	3,348,128.0	0.00
	May	0	0	18,931,915	1,605,398.3	0.00
	June	0	0	18,953,391	1,556,068.3	0.00
	July	0	0	6,080,161	514,545.9	0.00
	August	0	0	4,828,490	361,293.6	0.00
	odes from an Algo	orithm, 0 day washout				
2010	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
2011	December	0	0	58,361,401	4,851,164.3	0.00
2011	January	0	0	54,708,355	4,559,066.6	0.00
	February	0	0	54,004,537	4,128,109.5	0.00
	•	0	0			
	March			54,304,661	4,589,505.2	0.00
	April	0	0	54,376,438	4,451,813.2	0.00
	May	0	0	54,345,382	4,596,809.0	0.00
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	0	0	58,949,591	4,934,256.4	0.00
	_					
	September	0	0	58,085,767	4,756,913.3	0.00
			Λ	E0 676 E0E	4,912,248.5	0.00
	October	0	0	58,676,595		
	October November	0	0	58,078,196	4,756,987.5	0.00



		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Diagnose / 1K Eligible Members
2012				0 1 1 1 1 1		, 0
J	anuary	0	0	55,530,223	4,630,251.0	0.00
F	ebruary	0	0	54,876,327	4,343,731.8	0.00
N	March	0	0	54,975,889	4,646,212.7	0.00
P	April	0	0	55,096,138	4,512,914.6	0.00
N	Vlay	0	0	55,049,184	4,658,029.6	0.00
	une	0	0	54,978,230	4,504,350.2	0.00
	uly	0	0	58,694,936	4,954,101.6	0.00
	August	0	0	59,224,748	4,948,556.2	0.00
	September	0	0	58,386,075	4,782,162.8	0.00
	October	0	0	58,911,806	4,936,312.3	0.00
	November	0	0			0.00
				58,315,915	4,778,740.5	
2013	December	0	0	59,471,414	4,955,666.4	0.00
J	anuary	0	0	56,197,731	4,670,823.4	0.00
F	ebruary	0	0	55,542,762	4,246,777.7	0.00
N	March	0	0	56,138,854	4,744,073.1	0.00
A	April	0	0	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	une	0	0	55,778,760	4,571,072.3	0.00
	uly	0	0	59,556,573	5,016,305.0	0.00
	August	0	0	59,876,675	5,015,940.4	0.00
	September	0	0			0.00
	•			59,000,407	4,833,576.6	
	October	0	0	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
2014	December	0	0	60,055,310	4,997,010.4	0.00
	anuary	0	0	55,701,673	4,645,703.0	0.00
F	ebruary	0	0	55,017,049	4,207,098.7	0.00
N	March	0	0	55,271,800	4,673,920.9	0.00
A	April	0	0	55,288,350	4,527,701.2	0.00
	May	0	0	55,167,407	4,668,733.3	0.00
	une	0	0	55,203,751	4,521,918.7	0.00
	uly	0	0	60,017,841	5,048,903.4	0.00
	August	0	0	60,258,780	4,995,827.3	0.00
	September	0	0			0.00
				58,851,445	4,821,953.3	
	October	0	0	59,811,527	4,994,616.9	0.00
	November	0	0	59,123,837	4,845,527.4	0.00
2015	December	0	0	60,149,691	5,009,350.1	0.00
	anuary	2	3	56,110,525	4,678,415.9	0.00
F	ebruary	0	0	55,431,573	4,198,556.6	0.00
N	March	0	0	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	Vlay	0	0	55,625,323	4,706,910.3	0.00
	une	1	1	55,657,221	4,559,569.0	0.00
	uly	2	2	60,121,043	5,059,633.5	0.00
	-	11				0.00
	August		11	60,711,514	5,062,973.3	
	September	592	593	59,802,370	4,899,634.6	0.01
	October	4,958	5,064	60,415,951	5,056,566.0	0.08
	November	4,879	4,971	59,733,371	4,894,566.1	0.08
	December	5,126	5,221	60,716,875	5,061,375.7	0.08
2016 I	anuary	4,749	4,833	56,184,879	4,690,539.7	0.08
	ebruary	4,259	4,323	55,510,698	4,396,218.4	0.08
	March	4,814	4,896	55,892,627	4,707,486.7	0.09
	April	3,891	3,963	40,838,247	3,348,128.0	0.10
	May	1,360	1,386	18,931,915	1,605,398.3	0.07
	une	1,244	1,278	18,953,391	1,556,068.3	0.07
	uly	345	375	6,080,161	514,545.9	0.06
A	August	261	280	4,828,490	361,293.6	0.05



		Number of Incident	Number of Discussion	Filiaile la Bassalessa	Manahan Vasan	Number of Incident Diagnoses
ICD 10 CM c	odes from SFM,	Diagnoses O day washout	Number of Diagnoses	Eligible Members	Member- Years	/ 1K Eligible Members
2010	oues from Srivi,	o day washout				
2010	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
	December	0	0	58,361,401	4,851,164.3	0.00
2011	December	U	0	36,301,401	4,031,104.3	0.00
2011	January	0	0	54,708,355	4,559,066.6	0.00
	•	0	0			0.00
	February March	0	0	54,004,537 54,304,661	4,128,109.5	0.00
		0	0		4,589,505.2 4,451,813.2	
	April	0		54,376,438		0.00 0.00
	May		0	54,345,382	4,596,809.0	
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	0	0	58,949,591	4,934,256.4	0.00
	September	0	0	58,085,767	4,756,913.3	0.00
	October	0	0	58,676,595	4,912,248.5	0.00
	November	0	0	58,078,196	4,756,987.5	0.00
	December	0	0	59,388,173	4,936,750.4	0.00
2012						
	January	0	0	55,530,223	4,630,251.0	0.00
	February	0	0	54,876,327	4,343,731.8	0.00
	March	0	0	54,975,889	4,646,212.7	0.00
	April	0	0	55,096,138	4,512,914.6	0.00
	May	0	0	55,049,184	4,658,029.6	0.00
	June	1	1	54,978,230	4,504,350.2	0.00
	July	0	0	58,694,936	4,954,101.6	0.00
	August	0	0	59,224,748	4,948,556.2	0.00
	September	0	0	58,386,075	4,782,162.8	0.00
	October	0	0	58,911,806	4,936,312.3	0.00
	November	0	0	58,315,915	4,778,740.5	0.00
	December	0	0	59,471,414	4,955,666.4	0.00
2013				,	,,	
	January	0	0	56,197,731	4,670,823.4	0.00
	February	0	0	55,542,762	4,246,777.7	0.00
	March	0	0	56,138,854	4,744,073.1	0.00
	April	0	0	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	June	0	0	55,778,760		0.00
	July	0	0		4,571,072.3 5,016,305.0	0.00
	= -	0	0	59,556,573		0.00
	August			59,876,675	5,015,940.4	
	September	0	0	59,000,407	4,833,576.6	0.00
	October	0	0	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
	December	0	0	60,055,310	4,997,010.4	0.00
2014			_			
	January 	0	0	55,701,673	4,645,703.0	0.00
	February	0	0	55,017,049	4,207,098.7	0.00
	March	0	0	55,271,800	4,673,920.9	0.00
	April	0	0	55,288,350	4,527,701.2	0.00
	May	1	1	55,167,407	4,668,733.3	0.00
	June	0	0	55,203,751	4,521,918.7	0.00
	July	0	0	60,017,841	5,048,903.4	0.00
	August	0	0	60,258,780	4,995,827.3	0.00
	September	0	0	58,851,445	4,821,953.3	0.00
	October	0	0	59,811,527	4,994,616.9	0.00
	November	0	0	59,123,837	4,845,527.4	0.00
	December	0	0	60,149,691	5,009,350.1	0.00



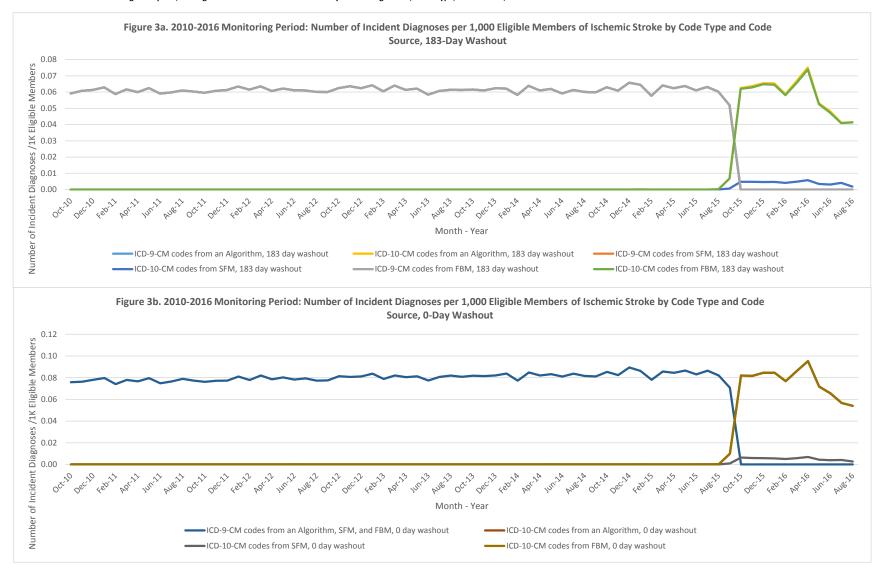
		Number of Incident Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	Number of Incident Dia / 1K Eligible Membe
2015		Diagnoses	Number of Diagnoses	Liigible Wellibers	Welliber- rears	/ IN LIIGIBLE WICHIBA
	January	0	0	56,110,525	4,678,415.9	0.00
	February	0	0	55,431,573	4,198,556.6	0.00
	March	0	0	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	May	0	0	55,625,323	4,706,910.3	0.00
	June	0	0	55,657,221	4,559,569.0	0.00
	July	0	0			0.00
	•	3	3	60,121,043 60,711,514	5,059,633.5	0.00
	August		58		5,062,973.3	
	September	58		59,802,370	4,899,634.6	0.00
	October	385	390	60,415,951	5,056,566.0	0.01
	November	354	355	59,733,371	4,894,566.1	0.01
	December	355	356	60,716,875	5,061,375.7	0.01
2016						
	January	315	316	56,184,879	4,690,539.7	0.01
	February	281	284	55,510,698	4,396,218.4	0.01
	March	325	326	55,892,627	4,707,486.7	0.01
	April	281	281	40,838,247	3,348,128.0	0.01
	May	82	84	18,931,915	1,605,398.3	0.00
	June	74	75	18,953,391	1,556,068.3	0.00
	July	25	25	6,080,161	514,545.9	0.00
	August	13	14	4,828,490	361,293.6	0.00
.0-CM c	odes from FBM,		<u></u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
2010						
	October	0	0	57,716,153	4,834,624.7	0.00
	November	0	0	57,083,139	4,676,871.8	0.00
	December	0	0	58,361,401	4,851,164.3	0.00
2011		-	-	,,	.,,	
	January	0	0	54,708,355	4,559,066.6	0.00
	February	0	0	54,004,537	4,128,109.5	0.00
	•					
	March	0	0	54,304,661	4,589,505.2	0.00
	April	0	0	54,376,438	4,451,813.2	0.00
	May	0	0	54,345,382	4,596,809.0	0.00
	June	0	0	54,180,080	4,437,454.8	0.00
	July	0	0	58,516,097	4,922,622.7	0.00
	August	0	0	58,949,591	4,934,256.4	0.00
	September	0	0	58,085,767	4,756,913.3	0.00
	October	0	0	58,676,595	4,912,248.5	0.00
	November	0	0	58,078,196	4,756,987.5	0.00
	December	0	0	59,388,173	4,936,750.4	0.00
2012						
	January	0	0	55,530,223	4,630,251.0	0.00
	February	0	0	54,876,327	4,343,731.8	0.00
	March	0	0	54,975,889	4,646,212.7	0.00
	April	0	0	55,096,138	4,512,914.6	0.00
	-	0	0	55,049,184		0.00
	May	1			4,658,029.6 4,504,350.2	0.00
	June		1	54,978,230		
	July	0	0	58,694,936	4,954,101.6	0.00
	August	0	0	59,224,748	4,948,556.2	0.00
	September	0	0	58,386,075	4,782,162.8	0.00
	October	0	0	58,911,806	4,936,312.3	0.00
	November	0	0	58,315,915	4,778,740.5	0.00
	December	0	0	59,471,414	4,955,666.4	0.00
2013						
	January	0	0	56,197,731	4,670,823.4	0.00
	February	0	0	55,542,762	4,246,777.7	0.00
	March	0	0	56,138,854	4,744,073.1	0.00
	April	0	0	56,104,107	4,595,653.8	0.00
	May	0	0	56,057,246	4,744,239.6	0.00
	June	0	0	55,778,760	4,571,072.3	0.00
	July	0	0			0.00
	= -			59,556,573	5,016,305.0	
	August	0	0	59,876,675	5,015,940.4	0.00
	September	0	0	59,000,407	4,833,576.6	0.00
	October	0	0	59,493,519	4,988,077.6	0.00
	November	0	0	58,886,507	4,825,393.1	0.00
	December 1R_WP001_NSI					



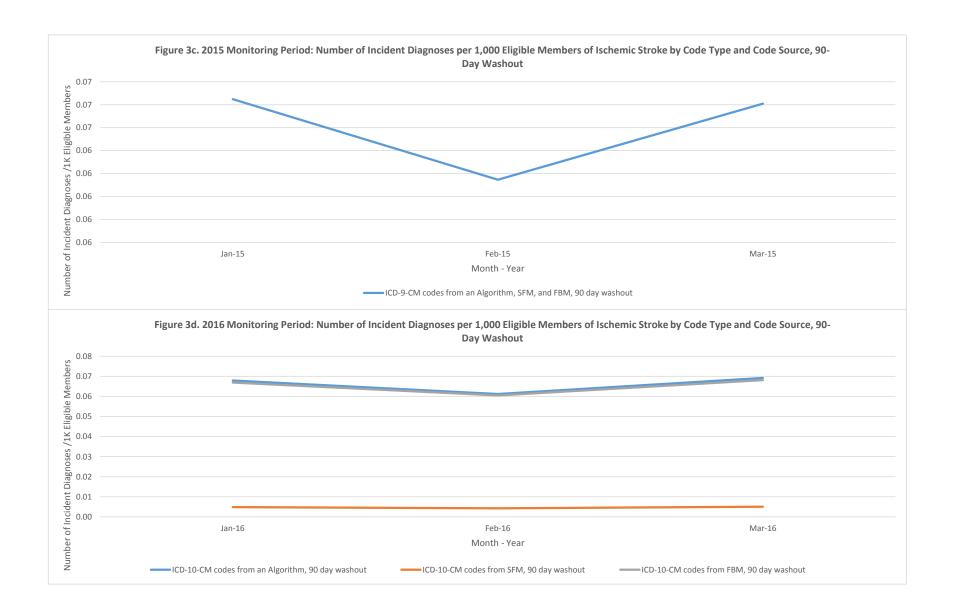
		Number of Incident				Number of Incident Diagno
2014	1	Diagnoses	Number of Diagnoses	Eligible Members	Member- Years	/ 1K Eligible Members
	January	0	0	55,701,673	4,645,703.0	0.00
	February	0	0	55,017,049	4,207,098.7	0.00
	March	0	0	55,271,800	4,673,920.9	0.00
	April	0	0	55,288,350	4,527,701.2	0.00
	May	1	1	55,167,407	4,668,733.3	0.00
	June	0	0	55,203,751	4,521,918.7	0.00
		0	0			0.00
	July	0	0	60,017,841	5,048,903.4	
	August			60,258,780	4,995,827.3	0.00
	September	0	0	58,851,445	4,821,953.3	0.00
	October	0	0	59,811,527	4,994,616.9	0.00
	November	0	0	59,123,837	4,845,527.4	0.00
	December	0	0	60,149,691	5,009,350.1	0.00
2015				56.440.505	4.670.445.0	0.00
	January	2	3	56,110,525	4,678,415.9	0.00
	February	0	0	55,431,573	4,198,556.6	0.00
	March	0	0	55,562,529	4,693,730.3	0.00
	April	0	0	55,654,716	4,555,384.6	0.00
	May	0	0	55,625,323	4,706,910.3	0.00
	June	1	1	55,657,221	4,559,569.0	0.00
	July	2	2	60,121,043	5,059,633.5	0.00
	August	11	11	60,711,514	5,062,973.3	0.00
	September	592	593	59,802,370	4,899,634.6	0.01
	October	4,959	5,066	60,415,951	5,056,566.0	0.08
		· ·	•			0.08
	November	4,869	4,961	59,733,371	4,894,566.1	
2016	December	5,137	5,234	60,716,875	5,061,375.7	0.08
2016		4.752	4 826	EC 104 070	4 600 520 7	0.08
	January	4,753	4,836	56,184,879	4,690,539.7	
	February	4,272	4,336	55,510,698	4,396,218.4	0.08
	March	4,818	4,900	55,892,627	4,707,486.7	0.09
	April	3,889	3,961	40,838,247	3,348,128.0	0.10
	May	1,356	1,382	18,931,915	1,605,398.3	0.07
	June	1,240	1,274	18,953,391	1,556,068.3	0.07
	July	345	375	6,080,161	514,545.9	0.06
	August	261	280	4,828,490	361,293.6	0.05
<u>i</u>						
		rithm, SFM, and FBM, 90	) day washout			
2015		3,835	3,835	56,001,119	4,666,252.8	0.07
	January	•				
	February	3,400	3,400	55,318,790	4,187,668.9	0.06
	March	3,776	3,776	55,452,406	4,681,517.8	0.07
<u> </u>						
		orithm, 90 day washout				
2016	January	3,808	3,808	56,091,545	4,680,151.9	0.07
	February	3,390	3,390	55,416,200	4,386,497.3	0.06
10.01	March	3,860	3,860	55,797,895	4,696,942.2	0.07
	codes from SFM, 9	00 day washout				
2016		273	273	56,131,258	4,684,553.0	0.00
	January				4,390,844.0	0.00
		236	236	55,458,765		
	January February March			55,458,765 55,842,773		
2016	February	236 282	236 282	55,842,773	4,701,862.4	0.01
2016	February March codes from FBM, 9	236 282				
2016 <b>10-CM</b> (	February March codes from FBM, 9	236 282				
2016 <b>10-CM</b> (	February March codes from FBM, 9	236 282 90 day washout	282	55,842,773	4,701,862.4	0.01



Figures 3a-3d. Number of Incident Diagnoses per 1,000 Eligible Members of Ischemic Stroke by Monitoring Period, Code Type, Code Source, and Washout Period









### Appendix A. Latest Date of Available Data for Each Data Partner up to Request End Date (8/31/2016)

DP ID	Start Date	End Date
DP0001	10/1/2010	6/30/2016
DP0002	10/1/2010	4/30/2016
DP0003	10/1/2010	6/30/2016
DP0004	10/1/2010	7/31/2016
DP0005	10/1/2010	7/31/2016
DP0006	10/1/2010	6/30/2016
DP0007	10/1/2010	5/31/2016
DP0008	10/1/2010	7/31/2016
DP0009	10/1/2010	8/31/2016
DP0010	10/1/2010	3/31/2016
DP0011	10/1/2010	4/30/2016



### Appendix B. List of Codes used to define Angioedema, Algorithm (Incident)

Code	Description	Code Type	
995.1	Angioneurotic edema not elsewhere classified	ICD-9-CM	
T78.3XXA	Angioneurotic edema, initial encounter	ICD-10-CM	



#### Appendix C. List of Codes used to define Angioedema, Algorithm (Incidence Definition)

Code	Description	Code Type	
995.1	Angioneurotic edema not elsewhere classified	ICD-9-CM	
T78.3XXA	Angioneurotic edema, initial encounter	ICD-10-CM	
T78.3XXD	Angioneurotic edema, subsequent encounter	ICD-10-CM	
T78.3XXS	Angioneurotic edema, sequela	ICD-10-CM	



### Appendix D. List of Codes used to define Angioedema, Simple Forward Mapping (SFM) and Forward Backward Mapping (FBM)

Code	Description	Code Type	
995.1	Angioneurotic edema not elsewhere classified	ICD-9-CM	
T78.3XXA	Angioneurotic edema, initial encounter	ICD-10-CM	



## Appendix E. List of Codes used to define Acute Myocardial Infarction (AMI), Algorithm

Code	Description	Code Type
410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	ICD-9-CM
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	ICD-9-CM
410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	ICD-9-CM
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	ICD-9-CM
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	ICD-9-CM
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	ICD-9-CM
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	ICD-9-CM
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	ICD-9-CM
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	ICD-9-CM
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	ICD-9-CM
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	ICD-9-CM
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	ICD-9-CM
410.60	Acute myocardial infarction, true posterior wall infarction, episode of care unspecified	ICD-9-CM
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	ICD-9-CM
410.70	Acute myocardial infarction, subendocardial infarction, episode of care unspecified	ICD-9-CM
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	ICD-9-CM
410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	ICD-9-CM
410.81	Acute myocardial infarction of other specified sites, initial episode of care	ICD-9-CM
410.90	Acute myocardial infarction, unspecified site, episode of care unspecified	ICD-9-CM
410.91	Acute myocardial infarction, unspecified site, initial episode of care	ICD-9-CM
121.4	Non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM
121.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	ICD-10-CM
121.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery	ICD-10-CM
121.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery	ICD-10-CM
121.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	ICD-10-CM
121.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	ICD-10-CM
121.29	ST elevation (STEMI) myocardial infarction involving other sites	ICD-10-CM
121.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	ICD-10-CM
121.0	ST elevation (STEMI) myocardial infarction of anterior wall	ICD-10-CM
121.1	ST elevation (STEMI) myocardial infarction of inferior wall	ICD-10-CM
121.2	ST elevation (STEMI) myocardial infarction of other sites	ICD-10-CM
121.3	ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM



# Appendix F. List of Codes used to define Acute Myocardial Infarction (AMI), Simple Forward Mapping (SFM)

Code	Description	Code Type
410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	ICD-9-CM
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	ICD-9-CM
410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	ICD-9-CM
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	ICD-9-CM
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	ICD-9-CM
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	ICD-9-CM
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	ICD-9-CM
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	ICD-9-CM
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	ICD-9-CM
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	ICD-9-CM
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	ICD-9-CM
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	ICD-9-CM
410.60	Acute myocardial infarction, true posterior wall infarction, episode of care unspecified	ICD-9-CM
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	ICD-9-CM
410.70	Acute myocardial infarction, subendocardial infarction, episode of care unspecified	ICD-9-CM
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	ICD-9-CM
410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	ICD-9-CM
410.81	Acute myocardial infarction of other specified sites, initial episode of care	ICD-9-CM
410.90	Acute myocardial infarction, unspecified site, episode of care unspecified	ICD-9-CM
410.91	Acute myocardial infarction, unspecified site, initial episode of care	ICD-9-CM
121.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	ICD-10-CM
121.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	ICD-10-CM
121.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	ICD-10-CM
121.29	ST elevation (STEMI) myocardial infarction involving other sites	ICD-10-CM
121.4	Non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM
121.3	ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM



### Appendix G. List of Codes used to define Acute Myocardial Infarction (AMI), Forward Backward Mapping (FBM)

Code	Description	Code Type
410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	ICD-9-CM
410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	ICD-9-CM
410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	ICD-9-CM
410.11	Acute myocardial infarction of other anterior wall, initial episode of care	ICD-9-CM
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	ICD-9-CM
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	ICD-9-CM
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	ICD-9-CM
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	ICD-9-CM
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	ICD-9-CM
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	ICD-9-CM
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	ICD-9-CM
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	ICD-9-CM
410.60	Acute myocardial infarction, true posterior wall infarction, episode of care unspecified	ICD-9-CM
410.61	Acute myocardial infarction, true posterior wall infarction, initial episode of care	ICD-9-CM
410.70	Acute myocardial infarction, subendocardial infarction, episode of care unspecified	ICD-9-CM
410.71	Acute myocardial infarction, subendocardial infarction, initial episode of care	ICD-9-CM
410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	ICD-9-CM
410.81	Acute myocardial infarction of other specified sites, initial episode of care	ICD-9-CM
410.90	Acute myocardial infarction, unspecified site, episode of care unspecified	ICD-9-CM
410.91	Acute myocardial infarction, unspecified site, initial episode of care	ICD-9-CM
121.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall	ICD-10-CM
121.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall	ICD-10-CM
121.11	ST elevation (STEMI) myocardial infarction involving right coronary artery	ICD-10-CM
121.29	ST elevation (STEMI) myocardial infarction involving other sites	ICD-10-CM
121.4	Non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM
121.3	ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM
121.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery	ICD-10-CM
121.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery	ICD-10-CM
122.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall	ICD-10-CM
122.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall	ICD-10-CM
122.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites	ICD-10-CM
122.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction	ICD-10-CM
122.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site	ICD-10-CM
121.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery	ICD-10-CM



### Appendix H. List of Codes used to define Ischemic Stroke, Algorithm

Code	Description	Code Type
433.01	Occlusion and stenosis of basilar artery with cerebral infarction	ICD-9-CM
433.11	Occlusion and stenosis of carotid artery with cerebral infarction	ICD-9-CM
433.21	Occlusion and stenosis of vertebral artery with cerebral infarction	ICD-9-CM
433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	ICD-9-CM
433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	ICD-9-CM
433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	ICD-9-CM
434.01	Cerebral thrombosis with cerebral infarction	ICD-9-CM
434.11	Cerebral embolism with cerebral infarction	ICD-9-CM
434.91	Unspecified cerebral artery occlusion with cerebral infarction	ICD-9-CM
436	Acute, but ill-defined, cerebrovascular disease	ICD-9-CM
H34.1	Central retinal artery occlusion	ICD-10-CM
H34.13	Central retinal artery occlusion, bilateral	ICD-10-CM
H34.12	Central retinal artery occlusion, left eye	ICD-10-CM
H34.11	Central retinal artery occlusion, right eye	ICD-10-CM
H34.10	Central retinal artery occlusion, unspecified eye	ICD-10-CM
163.41	Cerebral infarction due to embolism of middle cerebral artery	ICD-10-CM
163.422	Cerebral infarction due to embolism of left anterior cerebral artery	ICD-10-CM
163.52	Cerebral infarction due to unspecified occlusion or stenosis of anterior cerebral artery	ICD-10-CM
163.139	Cerebral infarction due to embolism of unspecified carotid artery	ICD-10-CM
163.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries	ICD-10-CM
163.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	ICD-10-CM
163.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	ICD-10-CM
163.1	Cerebral infarction due to embolism of precerebral arteries	ICD-10-CM
163.5	Cerebral infarction due to unspecified occlusion or stenosis of cerebral arteries	ICD-10-CM
163.119	Cerebral infarction due to embolism of unspecified vertebral artery	ICD-10-CM
163.2	Cerebral infarction due to unspecified occlusion or stenosis of precerebral arteries	ICD-10-CM
163.039	Cerebral infarction due to thrombosis of unspecified carotid artery	ICD-10-CM
163.33	Cerebral infarction due to thrombosis of posterior cerebral artery	ICD-10-CM
163.42	Cerebral infarction due to embolism of anterior cerebral artery	ICD-10-CM
163.032	Cerebral infarction due to thrombosis of left carotid artery	ICD-10-CM
163.419	Cerebral infarction due to embolism of unspecified middle cerebral artery	ICD-10-CM
163.513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries	ICD-10-CM
163.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	ICD-10-CM
163.01	Cerebral infarction due to thrombosis of vertebral artery	ICD-10-CM
163.10	Cerebral infarction due to embolism of unspecified precerebral artery	ICD-10-CM
163.21	Cerebral infarction due to unspecified occlusion or stenosis of vertebral arteries	ICD-10-CM
163.133	Cerebral infarction due to embolism of bilateral carotid arteries	ICD-10-CM
163.32	Cerebral infarction due to thrombosis of anterior cerebral artery	ICD-10-CM
163.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	ICD-10-CM
163.411	Cerebral infarction due to embolism of right middle cerebral artery	ICD-10-CM
163.132	Cerebral infarction due to embolism of left carotid artery	ICD-10-CM
163.34	Cerebral infarction due to thrombosis of cerebellar artery	ICD-10-CM
163.313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	ICD-10-CM
163.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	ICD-10-CM
163.49	Cerebral infarction due to embolism of other cerebral artery	ICD-10-CM
163.03	Cerebral infarction due to thrombosis of carotid artery	ICD-10-CM
163.341	Cerebral infarction due to thrombosis of right cerebellar artery	ICD-10-CM
163.412	Cerebral infarction due to embolism of left middle cerebral artery	ICD-10-CM
163.323	Cerebral infarction due to thrombosis of bilateral anterior arteries	ICD-10-CM
163.211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries	ICD-10-CM
163.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	ICD-10-CM
163.31	Cerebral infarction due to thrombosis of middle cerebral artery	ICD-10-CM



### Appendix H. List of Codes used to define Ischemic Stroke, Algorithm

Code	Description	Code Type
163.331	Cerebral infarction due to thrombosis of right posterior cerebral artery	ICD-10-CM
163.51	Cerebral infarction due to unspecified occlusion or stenosis of middle cerebral artery	ICD-10-CM
163.231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	ICD-10-CM
163.421	Cerebral infarction due to embolism of right anterior cerebral artery	ICD-10-CM
163.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	ICD-10-CM
163.232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	ICD-10-CM
163.332	Cerebral infarction due to thrombosis of left posterior cerebral artery	ICD-10-CM
163.443	Cerebral infarction due to embolism of bilateral cerebellar arteries	ICD-10-CM
163.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	ICD-10-CM
163.00	Cerebral infarction due to thrombosis of unspecified precerebral artery	ICD-10-CM
163.29	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	ICD-10-CM
163.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	ICD-10-CM
163.033	Cerebral infarction due to thrombosis of bilateral carotid arteries	ICD-10-CM
163.8	Other cerebral infarction	ICD-10-CM
163.19	Cerebral infarction due to embolism of other precerebral artery	ICD-10-CM
163.449	Cerebral infarction due to embolism of unspecified cerebellar artery	ICD-10-CM
163.11	Cerebral infarction due to embolism of vertebral artery	ICD-10-CM
163.113	Cerebral infarction due to embolism of bilateral vertebral arteries	ICD-10-CM
163.43	Cerebral infarction due to embolism of posterior cerebral artery	ICD-10-CM
163.523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries	ICD-10-CM
163.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	ICD-10-CM
163.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	ICD-10-CM
163.423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	ICD-10-CM
163.44	Cerebral infarction due to embolism of cerebellar artery	ICD-10-CM
163.321	Cerebral infarction due to thrombosis of right anterior cerebral artery	ICD-10-CM
163.40	Cerebral infarction due to embolism of unspecified cerebral artery	ICD-10-CM
163.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	ICD-10-CM
163.54	Cerebral infarction due to unspecified occlusion or stenosis of cerebellar artery	ICD-10-CM
163.013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	ICD-10-CM
163.342	Cerebral infarction due to thrombosis of left cerebellar artery	ICD-10-CM
163.02	Cerebral infarction due to thrombosis of basilar artery	ICD-10-CM
163.311	Cerebral infarction due to thrombosis of right middle cerebral artery	ICD-10-CM
163.9	Cerebral infarction, unspecified	ICD-10-CM
163.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	ICD-10-CM
163.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	ICD-10-CM
163.111	Cerebral infarction due to embolism of right vertebral artery	ICD-10-CM
163.112	Cerebral infarction due to embolism of left vertebral artery	ICD-10-CM
163.39	Cerebral infarction due to thrombosis of other cerebral artery	ICD-10-CM
163.413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	ICD-10-CM
163.441	Cerebral infarction due to embolism of right cerebellar artery	ICD-10-CM
163.322	Cerebral infarction due to thrombosis of left anterior cerebral artery	ICD-10-CM
163.543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries	ICD-10-CM
163.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	ICD-10-CM
163.13	Cerebral infarction due to embolism of carotid artery	ICD-10-CM
163.442	Cerebral infarction due to embolism of left cerebellar artery	ICD-10-CM
163.011	Cerebral infarction due to thrombosis of right vertebral artery	ICD-10-CM
163.343	Cerebral infarction to thrombosis of bilateral cerebellar arteries	ICD-10-CM
163.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	ICD-10-CM
163.432	Cerebral infarction due to embolism of left posterior cerebral artery	ICD-10-CM
163.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	ICD-10-CM
163.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	ICD-10-CM
163.53	Cerebral infarction due to unspecified occlusion or stenosis of posterior cerebral artery	ICD-10-CM
163.012	Cerebral infarction due to thrombosis of left vertebral artery	ICD-10-CM



### Appendix H. List of Codes used to define Ischemic Stroke, Algorithm

Code	Description	Code Type
163.213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	ICD-10-CM
163.431	Cerebral infarction due to embolism of right posterior cerebral artery	ICD-10-CM
163.312	Cerebral infarction due to thrombosis of left middle cerebral artery	ICD-10-CM
163.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries	ICD-10-CM
163.0	Cerebral infarction due to thrombosis of precerebral arteries	ICD-10-CM
163.12	Cerebral infarction due to embolism of basilar artery	ICD-10-CM
163.533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries	ICD-10-CM
163.019	Cerebral infarction due to thrombosis of unspecified vertebral artery	ICD-10-CM
163.131	Cerebral infarction due to embolism of right carotid artery	ICD-10-CM
163.333	Cerebral infarction to thrombosis of bilateral posterior arteries	ICD-10-CM
163.031	Cerebral infarction due to thrombosis of right carotid artery	ICD-10-CM
163.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	ICD-10-CM
163.23	Cerebral infarction due to unspecified occlusion or stenosis of carotid arteries	ICD-10-CM
163.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	ICD-10-CM
163.433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	ICD-10-CM
163.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	ICD-10-CM
163.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	ICD-10-CM
163.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	ICD-10-CM
163.3	Cerebral infarction due to thrombosis of cerebral arteries	ICD-10-CM
163.4	Cerebral infarction due to embolism of cerebral arteries	ICD-10-CM
163.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	ICD-10-CM
163.09	Cerebral infarction due to thrombosis of other precerebral artery	ICD-10-CM
163.233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	ICD-10-CM
163.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	ICD-10-CM



### Appendix I. List of Codes used to define Ischemic Stroke, Simple Forward Mapping (SFM)

Code	Description	Code Type
433.01	Occlusion and stenosis of basilar artery with cerebral infarction	ICD-9-CM
433.11	Occlusion and stenosis of carotid artery with cerebral infarction	ICD-9-CM
433.21	Occlusion and stenosis of vertebral artery with cerebral infarction	ICD-9-CM
433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	ICD-9-CM
433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	ICD-9-CM
433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	ICD-9-CM
434.01	Cerebral thrombosis with cerebral infarction	ICD-9-CM
434.11	Cerebral embolism with cerebral infarction	ICD-9-CM
434.91	Unspecified cerebral artery occlusion with cerebral infarction	ICD-9-CM
436	Acute, but ill-defined, cerebrovascular disease	ICD-9-CM
163.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries	ICD-10-CM
163.139	Cerebral infarction due to embolism of unspecified carotid artery	ICD-10-CM
163.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	ICD-10-CM
163.019	Cerebral infarction due to thrombosis of unspecified vertebral artery	ICD-10-CM
163.119	Cerebral infarction due to embolism of unspecified vertebral artery	ICD-10-CM
163.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	ICD-10-CM
163.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	ICD-10-CM
163.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	ICD-10-CM
163.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	ICD-10-CM
163.40	Cerebral infarction due to embolism of unspecified cerebral artery	ICD-10-CM
163.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	ICD-10-CM
167.89	Other cerebrovascular disease	ICD-10-CM



### Appendix J. List of Codes used to define Ischemic Stroke, Forward Backward Mapping (FBM)

Code	Description	Code Type
433.01	Occlusion and stenosis of basilar artery with cerebral infarction	ICD-9-CM
433.11	Occlusion and stenosis of carotid artery with cerebral infarction	ICD-9-CM
433.21	Occlusion and stenosis of vertebral artery with cerebral infarction	ICD-9-CM
433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	ICD-9-CM
433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	ICD-9-CM
433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	ICD-9-CM
434.01	Cerebral thrombosis with cerebral infarction	ICD-9-CM
434.11	Cerebral embolism with cerebral infarction	ICD-9-CM
434.91	Unspecified cerebral artery occlusion with cerebral infarction	ICD-9-CM
436	Acute, but ill-defined, cerebrovascular disease	ICD-9-CM
163.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries	ICD-10-CM
163.139	Cerebral infarction due to embolism of unspecified carotid artery	ICD-10-CM
163.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries	ICD-10-CM
163.019	Cerebral infarction due to thrombosis of unspecified vertebral artery	ICD-10-CM
163.119	Cerebral infarction due to embolism of unspecified vertebral artery	ICD-10-CM
163.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries	ICD-10-CM
163.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	ICD-10-CM
163.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries	ICD-10-CM
163.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	ICD-10-CM
163.40	Cerebral infarction due to embolism of unspecified cerebral artery	ICD-10-CM
163.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	ICD-10-CM
167.89	Other cerebrovascular disease	ICD-10-CM
163.00	Cerebral infarction due to thrombosis of unspecified precerebral artery	ICD-10-CM
163.011	Cerebral infarction due to thrombosis of right vertebral artery	ICD-10-CM
163.012	Cerebral infarction due to thrombosis of left vertebral artery	ICD-10-CM
163.013	Cerebral infarction due to thrombosis of bilateral vertebral arteries	ICD-10-CM
163.02	Cerebral infarction due to thrombosis of basilar artery	ICD-10-CM
163.031	Cerebral infarction due to thrombosis of right carotid artery	ICD-10-CM
163.032	Cerebral infarction due to thrombosis of left carotid artery	ICD-10-CM
163.033	Cerebral infarction due to thrombosis of bilateral carotid arteries	ICD-10-CM
163.039	Cerebral infarction due to thrombosis of unspecified carotid artery	ICD-10-CM
163.09	Cerebral infarction due to thrombosis of other precerebral artery	ICD-10-CM
163.10	Cerebral infarction due to embolism of unspecified precerebral artery	ICD-10-CM
163.111	Cerebral infarction due to embolism of right vertebral artery	ICD-10-CM
163.112	Cerebral infarction due to embolism of left vertebral artery	ICD-10-CM
163.113	Cerebral infarction due to embolism of bilateral vertebral arteries	ICD-10-CM
163.12	Cerebral infarction due to embolism of basilar artery	ICD-10-CM
163.131	Cerebral infarction due to embolism of right carotid artery	ICD-10-CM
163.132	Cerebral infarction due to embolism of left carotid artery	ICD-10-CM
163.133	Cerebral infarction due to embolism of bilateral carotid arteries	ICD-10-CM
163.19	Cerebral infarction due to embolism of other precerebral artery	ICD-10-CM
163.211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries	ICD-10-CM
163.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries	ICD-10-CM
163.213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries	ICD-10-CM
163.231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries	ICD-10-CM
163.232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries	ICD-10-CM
163.233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries	ICD-10-CM
163.29	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries	ICD-10-CM
163.311	Cerebral infarction due to thrombosis of right middle cerebral artery	ICD-10-CM
163.312	Cerebral infarction due to thrombosis of left middle cerebral artery	ICD-10-CM
163.313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries	ICD-10-CM
163.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	ICD-10-CM
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### Appendix J. List of Codes used to define Ischemic Stroke, Forward Backward Mapping (FBM)

IGS.321   Cerebral Infarction due to thrombosis of right anterior cerebral artery   CD-0-CM   IGS.323   Cerebral Infarction due to thrombosis of bilateral anterior arteries   CD-10-CM   IGS.323   Cerebral Infarction due to thrombosis of bilateral anterior arteries   CD-10-CM   IGS.324   Cerebral Infarction due to thrombosis of bilateral anterior arteries   CD-10-CM   IGS.335   Cerebral Infarction due to thrombosis of pility posterior cerebral artery   CD-10-CM   IGS.336   Cerebral Infarction to thrombosis of bilateral posterior arteries   CD-10-CM   IGS.337   Cerebral Infarction due to thrombosis of pility posterior arteries   CD-10-CM   IGS.338   Cerebral Infarction due to thrombosis of bilateral posterior arteries   CD-10-CM   IGS.341   Cerebral Infarction due to thrombosis of pility favore the pility of the pili	Code	Description	Code Type
16.3.323   Cerebral infarction due to thrombosis of unspecified anterior cerebral artery   1CD-10-CM   16.3.332   Cerebral infarction due to thrombosis of inght posterior cerebral artery   1CD-10-CM   16.3.332   Cerebral infarction due to thrombosis of light posterior cerebral artery   1CD-10-CM   16.3.332   Cerebral infarction due to thrombosis of light posterior cerebral artery   1CD-10-CM   16.3.333   Cerebral infarction due to thrombosis of light posterior cerebral artery   1CD-10-CM   16.3.343   Cerebral infarction due to thrombosis of bilateral artery   1CD-10-CM   16.3.342   Cerebral infarction due to thrombosis of plate cerebellar artery   1CD-10-CM   16.3.343   Cerebral infarction due to thrombosis of plate cerebellar artery   1CD-10-CM   16.3.349   Cerebral infarction due to thrombosis of plateral cerebellar artery   1CD-10-CM   16.3.340   Cerebral infarction due to thrombosis of plateral cerebellar artery   1CD-10-CM   16.3.411   Cerebral infarction due to thrombosis of plateral artery   1CD-10-CM   16.3.412   Cerebral infarction due to embolism of left middle cerebral artery   1CD-10-CM   16.3.413   Cerebral infarction due to embolism of left middle cerebral artery   1CD-10-CM   16.3.414   Cerebral infarction due to embolism of light anterior cerebral artery   1CD-10-CM   16.3.421   Cerebral infarction due to embolism of light anterior cerebral artery   1CD-10-CM   16.3.422   Cerebral infarction due to embolism of right anterior cerebral artery   1CD-10-CM   16.3.423   Cerebral infarction due to embolism of light anterior cerebral artery   1CD-10-CM   16.3.424   Cerebral infarction due to embolism of light posterior cerebral artery   1CD-10-CM   16.3.425   Cerebral infarction due to embolism of light posterior cerebral artery   1CD-10-CM   16.3.426   Cerebral infarction due to embolism of light posterior cerebral artery   1CD-10-CM   16.3.427   Cerebral infarction due to embolism of light posterior cerebral artery   1CD-10-CM   16.3.428   Cerebral infarction due to embolism of light posterior cere	163.321	Cerebral infarction due to thrombosis of right anterior cerebral artery	ICD-10-CM
163.329   Cerebral infarction due to thrombosis of right posterior cerebral artery   ICD-10-CM   163.331   Cerebral infarction due to thrombosis of right posterior cerebral artery   ICD-10-CM   163.332   Cerebral infarction due to thrombosis of left posterior cerebral artery   ICD-10-CM   163.333   Cerebral infarction due to thrombosis of listeral posterior cerebral artery   ICD-10-CM   163.341   Cerebral infarction due to thrombosis of listeral posterior cerebral artery   ICD-10-CM   163.342   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM   163.343   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM   163.344   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM   163.345   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM   163.346   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM   163.411   Cerebral infarction due to embolism of right middle cerebral artery   ICD-10-CM   163.412   Cerebral infarction due to embolism of left middle cerebral artery   ICD-10-CM   163.413   Cerebral infarction due to embolism of left middle cerebral artery   ICD-10-CM   163.414   Cerebral infarction due to embolism of unspecified middle cerebral artery   ICD-10-CM   163.421   Cerebral infarction due to embolism of unspecified middle cerebral artery   ICD-10-CM   163.422   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM   163.423   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM   163.424   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM   163.435   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   163.436   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   163.437   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   163.438   Cerebral infarction due to embolism of left posterior cerebral artery   I	163.322	Cerebral infarction due to thrombosis of left anterior cerebral artery	ICD-10-CM
163.331   Cerebral infarction due to thrombosis of left posterior cerebral artery   ICD-10-CM     163.332   Cerebral infarction due to thrombosis of left posterior cerebral artery   ICD-10-CM     163.333   Cerebral infarction to thrombosis of left posterior cerebral artery   ICD-10-CM     163.341   Cerebral infarction due to thrombosis of unspecified posterior cerebral artery   ICD-10-CM     163.342   Cerebral infarction due to thrombosis of light cerebellar artery   ICD-10-CM     163.343   Cerebral infarction due to thrombosis of light cerebellar arteries   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of unspecified cerebellar artery   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of unspecified cerebellar artery   ICD-10-CM     163.411   Cerebral infarction due to thrombosis of other cerebral artery   ICD-10-CM     163.412   Cerebral infarction due to embolism of left middle cerebral artery   ICD-10-CM     163.413   Cerebral infarction due to embolism of left middle cerebral artery   ICD-10-CM     163.414   Cerebral infarction due to embolism of left middle cerebral artery   ICD-10-CM     163.415   Cerebral infarction due to embolism of inspecified middle cerebral artery   ICD-10-CM     163.412   Cerebral infarction due to embolism of light anterior cerebral artery   ICD-10-CM     163.423   Cerebral infarction due to embolism of light anterior cerebral artery   ICD-10-CM     163.424   Cerebral infarction due to embolism of light anterior cerebral artery   ICD-10-CM     163.425   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.426   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.437   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.438   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.439   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.430   Cerebral infarction	163.323	Cerebral infarction due to thrombosis of bilateral anterior arteries	ICD-10-CM
163.332   Cerebral infarction due to thrombosis of left posterior cerebral artery   ICD-10-CM     163.333   Cerebral infarction due to thrombosis of unspecified posterior cerebral artery   ICD-10-CM     163.341   Cerebral infarction due to thrombosis of right cerebellar artery   ICD-10-CM     163.342   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM     163.343   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of plateral cerebellar artery   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of unspecified cerebellar artery   ICD-10-CM     163.411   Cerebral infarction due to embolism of fight middle cerebral artery   ICD-10-CM     163.412   Cerebral infarction due to embolism of fight middle cerebral artery   ICD-10-CM     163.413   Cerebral infarction due to embolism of hight middle cerebral artery   ICD-10-CM     163.414   Cerebral infarction due to embolism of hight anterior cerebral artery   ICD-10-CM     163.415   Cerebral infarction due to embolism of hight anterior cerebral artery   ICD-10-CM     163.416   Cerebral infarction due to embolism of hight anterior cerebral artery   ICD-10-CM     163.421   Cerebral infarction due to embolism of hight anterior cerebral artery   ICD-10-CM     163.422   Cerebral infarction due to embolism of hight anterior cerebral artery   ICD-10-CM     163.423   Cerebral infarction due to embolism of hight anterior cerebral artery   ICD-10-CM     163.424   Cerebral infarction due to embolism of hight posterior cerebral artery   ICD-10-CM     163.432   Cerebral infarction due to embolism of hight posterior cerebral artery   ICD-10-CM     163.433   Cerebral infarction due to embolism of hight posterior cerebral artery   ICD-10-CM     163.434   Cerebral infarction due to embolism of hight cerebellar artery   ICD-10-CM     163.435   Cerebral infarction due to embolism of hight cerebellar artery   ICD-10-CM     163.436   Cerebral infarction due to embolism of hig	163.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	ICD-10-CM
163.333   Cerebral infarction to thrombosis of bilateral posterior arteries   ICD-10-CM     163.341   Cerebral infarction due to thrombosis of inght cerebellar artery   ICD-10-CM     163.342   Cerebral infarction due to thrombosis of light cerebellar artery   ICD-10-CM     163.343   Cerebral infarction to the tothrombosis of light cerebellar artery   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of light cerebellar artery   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of other cerebral artery   ICD-10-CM     163.341   Cerebral infarction due to thrombosis of other cerebral artery   ICD-10-CM     163.412   Cerebral infarction due to embolism of fight middle cerebral artery   ICD-10-CM     163.413   Cerebral infarction due to embolism of left middle cerebral arteries   ICD-10-CM     163.414   Cerebral infarction due to embolism of bilateral middle cerebral artery   ICD-10-CM     163.412   Cerebral infarction due to embolism of inspecified middle cerebral artery   ICD-10-CM     163.421   Cerebral infarction due to embolism of fight anterior cerebral artery   ICD-10-CM     163.422   Cerebral infarction due to embolism of fight anterior cerebral artery   ICD-10-CM     163.423   Cerebral infarction due to embolism of bilateral anterior cerebral artery   ICD-10-CM     163.424   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.432   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.433   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.434   Cerebral infarction due to embolism of light posterior cerebral artery   ICD-10-CM     163.435   Cerebral infarction due to embolism of light cerebellar artery   ICD-10-CM     163.436   Cerebral infarction due to embolism of light cerebellar artery   ICD-10-CM     163.437   Cerebral infarction due to embolism of light cerebellar artery   ICD-10-CM     163.438   Cerebral infarction due to embolism of light cerebellar artery	163.331	Cerebral infarction due to thrombosis of right posterior cerebral artery	ICD-10-CM
163.341   Cerebral infarction due to thrombosis of right cerebellar artery   ICD-10-CM     163.342   Cerebral infarction due to thrombosis of right cerebellar artery   ICD-10-CM     163.343   Cerebral infarction due to thrombosis of right cerebellar artery   ICD-10-CM     163.343   Cerebral infarction due to thrombosis of bilateral cerebellar arteries   ICD-10-CM     163.349   Cerebral infarction due to thrombosis of pilateral cerebellar artery   ICD-10-CM     163.411   Cerebral infarction due to thrombosis of other cerebral artery   ICD-10-CM     163.412   Cerebral infarction due to embolism of right middle cerebral artery   ICD-10-CM     163.413   Cerebral infarction due to embolism of left middle cerebral artery   ICD-10-CM     163.414   Cerebral infarction due to embolism of bilateral middle cerebral artery   ICD-10-CM     163.415   Cerebral infarction due to embolism of bilateral middle cerebral artery   ICD-10-CM     163.421   Cerebral infarction due to embolism of right anterior cerebral artery   ICD-10-CM     163.422   Cerebral infarction due to embolism of filateral anterior cerebral artery   ICD-10-CM     163.423   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM     163.424   Cerebral infarction due to embolism of insteral anterior cerebral artery   ICD-10-CM     163.432   Cerebral infarction due to embolism of insteral anterior cerebral artery   ICD-10-CM     163.433   Cerebral infarction due to embolism of bilateral arterior cerebral artery   ICD-10-CM     163.434   Cerebral infarction due to embolism of pilateral posterior cerebral artery   ICD-10-CM     163.434   Cerebral infarction due to embolism of pilateral posterior cerebral artery   ICD-10-CM     163.434   Cerebral infarction due to embolism of pilateral erebellar artery   ICD-10-CM     163.435   Cerebral infarction due to embolism of pilateral erebellar artery   ICD-10-CM     163.436   Cerebral infarction due to embolism of service erebral artery   ICD-10-CM     163.437   Cerebral infarction due to unspeci	163.332	Cerebral infarction due to thrombosis of left posterior cerebral artery	ICD-10-CM
IG3.341   Cerebral infarction due to thrombosis of right cerebellar artery	163.333	Cerebral infarction to thrombosis of bilateral posterior arteries	ICD-10-CM
IG3.342   Cerebral infarction due to thrombosis of left cerebellar artery   ICD-10-CM     IG3.343   Cerebral infarction to thrombosis of bilateral cerebellar artery   ICD-10-CM     IG3.349   Cerebral infarction due to thrombosis of vinspecified cerebellar artery   ICD-10-CM     IG3.411   Cerebral infarction due to thrombosis of other cerebral artery   ICD-10-CM     IG3.412   Cerebral infarction due to embolism of right middle cerebral artery   ICD-10-CM     IG3.413   Cerebral infarction due to embolism of left middle cerebral arteries   ICD-10-CM     IG3.414   Cerebral infarction due to embolism of losteral middle cerebral artery   ICD-10-CM     IG3.421   Cerebral infarction due to embolism of inspectified middle cerebral artery   ICD-10-CM     IG3.422   Cerebral infarction due to embolism of right anterior cerebral artery   ICD-10-CM     IG3.423   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM     IG3.424   Cerebral infarction due to embolism of libitarel anterior cerebral arteries   ICD-10-CM     IG3.425   Cerebral infarction due to embolism of unspectified anterior cerebral artery   ICD-10-CM     IG3.426   Cerebral infarction due to embolism of the posterior cerebral artery   ICD-10-CM     IG3.431   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM     IG3.432   Cerebral infarction due to embolism of bilateral posterior cerebral artery   ICD-10-CM     IG3.433   Cerebral infarction due to embolism of libitarel aposterior cerebral artery   ICD-10-CM     IG3.441   Cerebral infarction due to embolism of libitarel artery   ICD-10-CM     IG3.442   Cerebral infarction due to embolism of libitarel artery   ICD-10-CM     IG3.443   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM     IG3.444   Cerebral infarction due to embolism of second of the cerebral artery   ICD-10-CM     IG3.445   Cerebral infarction due to unspecified occlusion or stenosis of light middle cerebral artery   ICD-10-CM     IG3.541   Cerebral infarction du	163.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	ICD-10-CM
163.343         Cerebral infarction due to thrombosis of bilateral cerebellar arteries         ICD-10-CM           163.349         Cerebral infarction due to thrombosis of unspecified cerebellar artery         ICD-10-CM           163.341         Cerebral infarction due to thrombosis of other cerebral artery         ICD-10-CM           163.412         Cerebral infarction due to embolism of left middle cerebral artery         ICD-10-CM           163.413         Cerebral infarction due to embolism of left middle cerebral arteries         ICD-10-CM           163.421         Cerebral infarction due to embolism of light anterior cerebral artery         ICD-10-CM           163.422         Cerebral infarction due to embolism of light anterior cerebral artery         ICD-10-CM           163.422         Cerebral infarction due to embolism of left anterior cerebral arteries         ICD-10-CM           163.423         Cerebral infarction due to embolism of lunspecified anterior cerebral artery         ICD-10-CM           163.423         Cerebral infarction due to embolism of light posterior cerebral artery         ICD-10-CM           163.431         Cerebral infarction due to embolism of left posterior cerebral artery         ICD-10-CM           163.432         Cerebral infarction due to embolism of bilateral posterior cerebral artery         ICD-10-CM           163.433         Cerebral infarction due to embolism of ingith cerebellar artery         ICD-10-CM	163.341	Cerebral infarction due to thrombosis of right cerebellar artery	ICD-10-CM
IG3.349   Cerebral infarction due to thrombosis of unspecified cerebellar artery	163.342	Cerebral infarction due to thrombosis of left cerebellar artery	ICD-10-CM
IG3.491   Cerebral infarction due to embolism of right middle cerebral artery   CD-10-CM     IG3.411   Cerebral infarction due to embolism of left middle cerebral artery   CD-10-CM     IG3.413   Cerebral infarction due to embolism of left middle cerebral artery   CD-10-CM     IG3.413   Cerebral infarction due to embolism of unspecified middle cerebral artery   CD-10-CM     IG3.419   Cerebral infarction due to embolism of unspecified middle cerebral artery   CD-10-CM     IG3.421   Cerebral infarction due to embolism of right anterior cerebral artery   CD-10-CM     IG3.422   Cerebral infarction due to embolism of left anterior cerebral artery   CD-10-CM     IG3.423   Cerebral infarction due to embolism of left anterior cerebral arteries   CD-10-CM     IG3.424   Cerebral infarction due to embolism of bilateral anterior cerebral artery   CD-10-CM     IG3.425   Cerebral infarction due to embolism of right posterior cerebral artery   CD-10-CM     IG3.431   Cerebral infarction due to embolism of left posterior cerebral artery   CD-10-CM     IG3.432   Cerebral infarction due to embolism of bilateral posterior cerebral artery   CD-10-CM     IG3.433   Cerebral infarction due to embolism of unspecified posterior cerebral artery   CD-10-CM     IG3.434   Cerebral infarction due to embolism of unspecified posterior cerebral artery   CD-10-CM     IG3.441   Cerebral infarction due to embolism of inght cerebellar artery   CD-10-CM     IG3.442   Cerebral infarction due to embolism of inght cerebellar artery   CD-10-CM     IG3.443   Cerebral infarction due to embolism of inght cerebellar artery   CD-10-CM     IG3.444   Cerebral infarction due to embolism of soften cerebral artery   CD-10-CM     IG3.451   Cerebral infarction due to embolism of soften cerebral artery   CD-10-CM     IG3.462   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   CD-10-CM     IG3.511   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   CD-10-CM     IG3.522   Cerebra	163.343	Cerebral infarction to thrombosis of bilateral cerebellar arteries	ICD-10-CM
IG3.411   Cerebral infarction due to embolism of right middle cerebral artery	163.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	ICD-10-CM
IGS.412   Cerebral infarction due to embolism of left middle cerebral arteries   ICD-10-CM     IGS.413   Cerebral infarction due to embolism of bilateral middle cerebral arteries   ICD-10-CM     IGS.421   Cerebral infarction due to embolism of unspecified middle cerebral artery   ICD-10-CM     IGS.422   Cerebral infarction due to embolism of right anterior cerebral artery   ICD-10-CM     IGS.423   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM     IGS.424   Cerebral infarction due to embolism of bilateral naterior cerebral arteries   ICD-10-CM     IGS.425   Cerebral infarction due to embolism of bilateral naterior cerebral artery   ICD-10-CM     IGS.431   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM     IGS.433   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM     IGS.433   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM     IGS.439   Cerebral infarction due to embolism of bilateral posterior cerebral artery   ICD-10-CM     IGS.441   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM     IGS.442   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM     IGS.443   Cerebral infarction due to embolism of bilateral cerebellar artery   ICD-10-CM     IGS.444   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM     IGS.451   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM     IGS.452   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM     IGS.513   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM     IGS.514   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM     IGS.522   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM     IGS.523   Cerebral infarction due to unspecified occlusion or s	163.39	Cerebral infarction due to thrombosis of other cerebral artery	ICD-10-CM
IG3.413   Cerebral infarction due to embolism of bilateral middle cerebral arteries   ICD-10-CM     IG3.419   Cerebral infarction due to embolism of unspecified middle cerebral artery   ICD-10-CM     IG3.422   Cerebral infarction due to embolism of right anterior cerebral artery   ICD-10-CM     IG3.423   Cerebral infarction due to embolism of left anterior cerebral arteries   ICD-10-CM     IG3.424   Cerebral infarction due to embolism of bilateral anterior cerebral artery   ICD-10-CM     IG3.425   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM     IG3.431   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM     IG3.432   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM     IG3.433   Cerebral infarction due to embolism of bilateral posterior cerebral artery   ICD-10-CM     IG3.432   Cerebral infarction due to embolism of bilateral posterior cerebral artery   ICD-10-CM     IG3.443   Cerebral infarction due to embolism of inspecified posterior cerebral artery   ICD-10-CM     IG3.444   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM     IG3.442   Cerebral infarction due to embolism of bilateral erebellar arteries   ICD-10-CM     IG3.443   Cerebral infarction due to embolism of inspecified cerebellar artery   ICD-10-CM     IG3.444   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM     IG3.545   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM     IG3.546   Cerebral infarction due to unspecified occlusion or stenosis of liateral middle arteries   ICD-10-CM     IG3.551   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM     IG3.552   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM     IG3.553   Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery   ICD-10-CM	163.411	Cerebral infarction due to embolism of right middle cerebral artery	ICD-10-CM
IGA.419   Cerebral infarction due to embolism of unspecified middle cerebral artery   ICD-10-CM   IGA.421   Cerebral infarction due to embolism of right anterior cerebral artery   ICD-10-CM   IGA.423   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM   IGA.424   Cerebral infarction due to embolism of bilateral anterior cerebral arteries   ICD-10-CM   IGA.425   Cerebral infarction due to embolism of bilateral anterior cerebral artery   ICD-10-CM   IGA.436   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM   IGA.437   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   IGA.438   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   IGA.439   Cerebral infarction due to embolism of inspecified posterior cerebral artery   ICD-10-CM   IGA.441   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM   IGA.442   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM   IGA.443   Cerebral infarction due to embolism of bilateral cerebellar artery   ICD-10-CM   IGA.449   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM   IGA.49   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM   IGA.511   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM   IGA.512   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM   IGA.521   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral artery   ICD-10-CM   IGA.522   Cerebral infarction due to unspecified occlusion or stenosis of inspecified middle cerebral artery   ICD-10-CM   IGA.523   Cerebral infarction due to unspecified occlusion or stenosis of inspecified arterior cerebral artery   ICD-10-CM   IGA.523   Cerebral infarction due to unspecified occlusion or stenosis of inspecified arterior cerebral artery   ICD-10-CM   IGA	163.412	Cerebral infarction due to embolism of left middle cerebral artery	ICD-10-CM
IGA.421   Cerebral infarction due to embolism of right anterior cerebral artery	163.413	Cerebral infarction due to embolism of bilateral middle cerebral arteries	ICD-10-CM
IG3.422   Cerebral infarction due to embolism of left anterior cerebral artery   ICD-10-CM   IG3.423   Cerebral infarction due to embolism of bilateral anterior cerebral artery   ICD-10-CM   IG3.424   Cerebral infarction due to embolism of unspecified anterior cerebral artery   ICD-10-CM   IG3.431   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM   IG3.432   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   IG3.433   Cerebral infarction due to embolism of bilateral posterior cerebral arteries   ICD-10-CM   IG3.434   Cerebral infarction due to embolism of bilateral posterior cerebral artery   ICD-10-CM   IG3.441   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM   IG3.442   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM   IG3.443   Cerebral infarction due to embolism of bilateral cerebellar artery   ICD-10-CM   IG3.444   Cerebral infarction due to embolism of bilateral cerebellar artery   ICD-10-CM   IG3.45   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM   IG3.46   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM   IG3.47   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM   IG3.511   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM   IG3.512   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM   IG3.513   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM   IG3.521   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM   IG3.522   Cerebral infarction due to unspecified occlusion or stenosis of left apoterior cerebral artery   ICD-10-CM   IG3.523   Cerebral infarction due to unspecified occlusion or stenosis of left apoterior cerebral artery   ICD-10-CM   IG3.531   Cerebral	163.419	Cerebral infarction due to embolism of unspecified middle cerebral artery	ICD-10-CM
IGA.423   Cerebral infarction due to embolism of bilateral anterior cerebral arteries   ICD-10-CM     IGA.429   Cerebral infarction due to embolism of unspecified anterior cerebral artery   ICD-10-CM     IGA.431   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM     IGA.432   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM     IGA.433   Cerebral infarction due to embolism of bilateral posterior cerebral arteries   ICD-10-CM     IGA.433   Cerebral infarction due to embolism of bilateral posterior cerebral arteries   ICD-10-CM     IGA.441   Cerebral infarction due to embolism of injath cerebellar artery   ICD-10-CM     IGA.442   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM     IGA.443   Cerebral infarction due to embolism of left cerebellar arteries   ICD-10-CM     IGA.449   Cerebral infarction due to embolism of bilateral cerebellar artery   ICD-10-CM     IGA.49   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM     IGA.511   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM     IGA.512   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM     IGA.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM     IGA.521   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral artery   ICD-10-CM     IGA.522   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM     IGA.523   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM     IGA.524   Cerebral infarction due to unspecified occlusion or stenosis of left paterior arteries   ICD-10-CM     IGA.525   Cerebral infarction due to unspecified occlusion or stenosis of light posterior cerebral artery   ICD-10-CM     IGA.533   Cerebral infarction due to unspeci	163.421	Cerebral infarction due to embolism of right anterior cerebral artery	ICD-10-CM
Cerebral infarction due to embolism of unspecified anterior cerebral artery   CD-10-CM     Carebral infarction due to embolism of right posterior cerebral artery   CD-10-CM     Carebral infarction due to embolism of left posterior cerebral artery   CD-10-CM     Carebral infarction due to embolism of left posterior cerebral arteries   CD-10-CM     Carebral infarction due to embolism of bilateral posterior cerebral arteries   CD-10-CM     Carebral infarction due to embolism of unspecified posterior cerebral artery   CD-10-CM     Carebral infarction due to embolism of right cerebellar artery   CD-10-CM     Carebral infarction due to embolism of left cerebellar artery   CD-10-CM     Carebral infarction due to embolism of left cerebellar arteries   CD-10-CM     Carebral infarction due to embolism of bilateral cerebellar artery   CD-10-CM     Carebral infarction due to embolism of unspecified cerebellar artery   CD-10-CM     Carebral infarction due to embolism of other cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of inspecified middle cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral artery   CD-10-CM     Carebral infarction due to unspecified occlusion	163.422	Cerebral infarction due to embolism of left anterior cerebral artery	ICD-10-CM
IGS.431   Cerebral infarction due to embolism of right posterior cerebral artery   ICD-10-CM   IGS.432   Cerebral infarction due to embolism of left posterior cerebral artery   ICD-10-CM   IGS.433   Cerebral infarction due to embolism of bilateral posterior cerebral arteries   ICD-10-CM   IGS.434   Cerebral infarction due to embolism of unspecified posterior cerebral artery   ICD-10-CM   IGS.441   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM   IGS.442   Cerebral infarction due to embolism of bilateral cerebellar arteries   ICD-10-CM   IGS.443   Cerebral infarction due to embolism of bilateral cerebellar arteries   ICD-10-CM   IGS.449   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM   IGS.49   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM   IGS.511   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM   IGS.512   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM   IGS.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral artery   ICD-10-CM   IGS.521   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM   IGS.522   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM   IGS.523   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM   IGS.524   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM   IGS.535   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM   IGS.531   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM   IGS.532   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM   IGS.533   Cerebral in	163.423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries	ICD-10-CM
Cerebral infarction due to embolism of left posterior cerebral artery   CD-10-CM     63.433   Cerebral infarction due to embolism of bilateral posterior cerebral arteries   CD-10-CM     63.439   Cerebral infarction due to embolism of unspecified posterior cerebral artery   CD-10-CM     63.441   Cerebral infarction due to embolism of right cerebellar artery   CD-10-CM     63.442   Cerebral infarction due to embolism of left cerebellar artery   CD-10-CM     63.443   Cerebral infarction due to embolism of bilateral cerebellar arteries   CD-10-CM     63.449   Cerebral infarction due to embolism of other cerebral artery   CD-10-CM     63.511   Cerebral infarction due to embolism of other cerebral artery   CD-10-CM     63.512   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   CD-10-CM     63.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   CD-10-CM     63.514   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral artery   CD-10-CM     63.515   Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery   CD-10-CM     63.521   Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery   CD-10-CM     63.522   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   CD-10-CM     63.523   Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries   CD-10-CM     63.531   Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral artery   CD-10-CM     63.532   Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral artery   CD-10-CM     63.533   Cerebral infarction due to unspecified occlusion or stenosis of puspecified anterior cerebral artery   CD-10-CM     63.540   Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral artery   CD-10-C	163.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	ICD-10-CM
Cerebral infarction due to embolism of bilateral posterior cerebral arteries   ICD-10-CM	163.431	Cerebral infarction due to embolism of right posterior cerebral artery	ICD-10-CM
IGS.439   Cerebral infarction due to embolism of unspecified posterior cerebral artery   ICD-10-CM   IGS.441   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM   IGS.442   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM   IGS.443   Cerebral infarction due to embolism of left cerebellar arteries   ICD-10-CM   IGS.449   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM   IGS.49   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM   IGS.511   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM   IGS.512   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM   IGS.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM   IGS.514   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM   IGS.521   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM   IGS.522   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM   IGS.523   Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries   ICD-10-CM   IGS.524   Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery   ICD-10-CM   IGS.535   Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery   ICD-10-CM   IGS.536   Cerebral infarction due to unspecified occlusion or stenosis of light posterior cerebral artery   ICD-10-CM   IGS.537   Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral artery   ICD-10-CM   IGS.538   Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral artery   ICD-10-CM   IGS.540   Cerebral infarction due to unspecified occlusion or stenos	163.432	Cerebral infarction due to embolism of left posterior cerebral artery	ICD-10-CM
IGS.441   Cerebral infarction due to embolism of right cerebellar artery   ICD-10-CM     IGS.442   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM     IGS.443   Cerebral infarction due to embolism of bilateral cerebellar arteries   ICD-10-CM     IGS.449   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM     IGS.511   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM     IGS.512   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM     IGS.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM     IGS.514   Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery   ICD-10-CM     IGS.515   Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery   ICD-10-CM     IGS.521   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM     IGS.522   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM     IGS.523   Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries   ICD-10-CM     IGS.531   Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery   ICD-10-CM     IGS.532   Cerebral infarction due to unspecified occlusion or stenosis of light posterior cerebral artery   ICD-10-CM     IGS.533   Cerebral infarction due to unspecified occlusion or stenosis of light posterior cerebral artery   ICD-10-CM     IGS.534   Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral artery   ICD-10-CM     IGS.542   Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery   ICD-10-CM     IGS.543   Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery   ICD-10	163.433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries	ICD-10-CM
IGS.442   Cerebral infarction due to embolism of left cerebellar artery   ICD-10-CM     IGS.443   Cerebral infarction due to embolism of bilateral cerebellar arteries   ICD-10-CM     IGS.449   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM     IGS.49   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM     IGS.511   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM     IGS.512   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM     IGS.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM     IGS.514   Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery   ICD-10-CM     IGS.521   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM     IGS.522   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM     IGS.523   Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior arteries   ICD-10-CM     IGS.529   Cerebral infarction due to unspecified occlusion or stenosis of unspecified arterior cerebral artery   ICD-10-CM     IGS.531   Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery   ICD-10-CM     IGS.532   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM     IGS.533   Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery   ICD-10-CM     IGS.541   Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery   ICD-10-CM     IGS.542   Cerebral infarction due to unspecified occlusion or stenosis of lilateral posterior cerebral artery   ICD-10-CM     IGS.543   Cerebral infarction due to unspecified occlusion or stenosis of bilateral artery	163.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	ICD-10-CM
IGS.443   Cerebral infarction due to embolism of bilateral cerebellar arteries   ICD-10-CM     IGS.449   Cerebral infarction due to embolism of unspecified cerebellar artery   ICD-10-CM     IGS.49   Cerebral infarction due to embolism of other cerebral artery   ICD-10-CM     IGS.511   Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery   ICD-10-CM     IGS.512   Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery   ICD-10-CM     IGS.513   Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries   ICD-10-CM     IGS.514   Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery   ICD-10-CM     IGS.521   Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery   ICD-10-CM     IGS.522   Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery   ICD-10-CM     IGS.523   Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery   ICD-10-CM     IGS.529   Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery   ICD-10-CM     IGS.531   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM     IGS.532   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM     IGS.533   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM     IGS.534   Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery   ICD-10-CM     IGS.541   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM     IGS.542   Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery   ICD-10-CM     IGS.543   Cerebral infarction due to unspecified occlusion or	163.441	Cerebral infarction due to embolism of right cerebellar artery	ICD-10-CM
163.449Cerebral infarction due to embolism of unspecified cerebellar arteryICD-10-CM163.49Cerebral infarction due to embolism of other cerebral arteryICD-10-CM163.511Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral arteryICD-10-CM163.512Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral arteryICD-10-CM163.513Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteriesICD-10-CM163.519Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral arteryICD-10-CM163.521Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral arteryICD-10-CM163.522Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteriesICD-10-CM163.523Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral arteryICD-10-CM163.531Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral arteryICD-10-CM163.532Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral arteryICD-10-CM163.533Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral arteryICD-10-CM163.541Cerebral infarction due to unspecified occlusion or stenosis of inspecified posterior cerebral arteryICD-10-CM163.542Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar arteryICD-10-CM163.543Cerebral infarction due to	163.442	Cerebral infarction due to embolism of left cerebellar artery	ICD-10-CM
ICD-10-CM	163.443	Cerebral infarction due to embolism of bilateral cerebellar arteries	ICD-10-CM
I63.511Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral arteryICD-10-CMI63.512Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral arteryICD-10-CMI63.513Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteriesICD-10-CMI63.519Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral arteryICD-10-CMI63.521Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral arteryICD-10-CMI63.522Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteriesICD-10-CMI63.523Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral arteryICD-10-CMI63.531Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral arteryICD-10-CMI63.532Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral arteryICD-10-CMI63.533Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteriesICD-10-CMI63.539Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral arteryICD-10-CMI63.541Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar arteryICD-10-CMI63.542Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteryICD-10-CMI63.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteryICD-10-CM	163.449	Cerebral infarction due to embolism of unspecified cerebellar artery	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery  ICD-10-CM  IG3.513 Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries  ICD-10-CM  IG3.519 Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery  IGD-10-CM  IG3.521 Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery  IGD-10-CM  IG3.522 Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery  IGD-10-CM  IG3.523 Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries  ICD-10-CM  IG3.529 Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  IGD-10-CM  IG3.531 Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  IGD-10-CM  IG3.532 Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  IGD-10-CM  IG3.533 Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  IGD-10-CM  IG3.539 Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  IGD-10-CM  IG3.541 Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  IGD-10-CM  IG3.542 Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  IGD-10-CM  IG3.543 Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  IGD-10-CM  IG3.549 Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  IGD-10-CM  IG3.66 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  IGD-10-CM  IGD-10-CM  IGD-10-CM  IGD-10-CM  IGD-10-CM	163.49	Cerebral infarction due to embolism of other cerebral artery	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left anterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  Conditional despectation of the properties of the pr	163.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery  ICD-10-CM  IG3.521 Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery  ICD-10-CM  IG3.522 Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery  ICD-10-CM  IG3.523 Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries  ICD-10-CM  IG3.529 Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  ICD-10-CM  IG3.531 Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  ICD-10-CM  IG3.532 Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  ICD-10-CM  IG3.533 Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  ICD-10-CM  IG3.539 Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  IG3.541 Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  ICD-10-CM  IG3.542 Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  ICD-10-CM  IG3.543 Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar artery  ICD-10-CM  IG3.549 Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  IG3.60 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM	163.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  ICD-10-CM  ICD-10-CM	163.513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle arteries	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  ICD-10-CM  Cerebral infarction due to cerebral venous thrombosis, nonpyogenic	163.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  ICD-10-CM  ICD-10-CM  ICD-10-CM	163.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM	163.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	ICD-10-CM
163.531Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral arteryICD-10-CM163.532Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral arteryICD-10-CM163.533Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteriesICD-10-CM163.539Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral arteryICD-10-CM163.541Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar arteryICD-10-CM163.542Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar arteryICD-10-CM163.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CM163.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CM163.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CM163.8Other cerebral infarctionICD-10-CM	163.523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior arteries	ICD-10-CM
Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries  Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery  Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery  ICD-10-CM  Cerebral infarction due to cerebral venous thrombosis, nonpyogenic  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM  ICD-10-CM	163.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	ICD-10-CM
163.533Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteriesICD-10-CM163.539Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral arteryICD-10-CM163.541Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar arteryICD-10-CM163.542Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar arteryICD-10-CM163.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CM163.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CM163.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CM163.8Other cerebral infarctionICD-10-CM	163.531		ICD-10-CM
163.539Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral arteryICD-10-CM163.541Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar arteryICD-10-CM163.542Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar arteryICD-10-CM163.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CM163.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CM163.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CM163.8Other cerebral infarctionICD-10-CM	163.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	ICD-10-CM
I63.541Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar arteryICD-10-CMI63.542Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar arteryICD-10-CMI63.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CMI63.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CMI63.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CMI63.8Other cerebral infarctionICD-10-CM	163.533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior arteries	ICD-10-CM
163.542Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar arteryICD-10-CM163.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CM163.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CM163.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CM163.8Other cerebral infarctionICD-10-CM	163.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	ICD-10-CM
163.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CM163.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CM163.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CM163.8Other cerebral infarctionICD-10-CM	163.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	ICD-10-CM
163.543Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteriesICD-10-CM163.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CM163.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CM163.8Other cerebral infarctionICD-10-CM	163.542		ICD-10-CM
I63.549Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar arteryICD-10-CMI63.6Cerebral infarction due to cerebral venous thrombosis, nonpyogenicICD-10-CMI63.8Other cerebral infarctionICD-10-CM			
163.6 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic ICD-10-CM 163.8 Other cerebral infarction ICD-10-CM		·	ICD-10-CM
I63.8 Other cerebral infarction ICD-10-CM		·	
		Cerebral infarction, unspecified	



#### Modular Program Specifications for ICD10\_MPL1R\_WP001\_NSPD\_V01

Sentinel's Cohort Identification and Descriptive Analysis (CIDA) tool, version 3.3.2, was used to compare the frequency of diagnoses for a selection of health outcomes using ICD-9 versus ICD-10 codes.

**Enrollment Gap:** 

45 Days

Age Groups:

0-17, 18-49, 50-64, 65+ Years

Enrollment Requirement:

183 Days

**Coverage Requirement:** 

Medical Coverage

Event

Scenario	Code Source	Query Start Date	Query End Date	Event	Care Setting	Incident w/ respect to:	Washout (days)	Incident w/ respect to Care Setting	Cohort Definition
1	Algorithm	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-9 code 995.1)	Any	Angioedema diagnosis (ICD-9: 995.1 <b>or</b> ICD-10: T78.3XXA, T78.3XXD, T78.3XXS)	183	Any	01
2	SFM and FBM	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-9 code 995.1)	Any	Angioedema diagnosis (ICD-9: 995.1 <b>or</b> ICD-10: T78.3XXA)	183	Any	01
3	Algorithm	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA)	Any	Angioedema diagnosis (ICD-9: 995.1 <b>or</b> ICD-10: T78.3XXA, T78.3XXD, T78.3XXS)	183	Any	01
4	SFM and FBM	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA)	Any	Angioedema diagnosis (ICD-9: 995.1 <b>or</b> ICD-10: T78.3XXA)	183	Any	01
5	Algorithm, SFM, and FBM	1/1/2015	3/31/2015	Angioedema diagnosis ( <b>only</b> ICD-9 code 995.1)	Any	Angioedema diagnosis ( <b>only</b> ICD-9 code 995.1)	90	Any	01
6	Algorithm	1/1/2016	3/31/2016	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA)	Any	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA, T78.3XXD, T78.3XXS)	90	Any	01
7	SFM and FBM	1/1/2016	3/31/2016	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA)	Any	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA)	90	Any	01
8	Algorithm, SFM, and FBM	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-9 code 995.1)	Any	NA	0	Any	02
9	Algorithm	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA, T78.3XXD, T78.3XXS)	Any	NA	0	Any	02
10	SFM and FBM	10/1/2010	Current	Angioedema diagnosis ( <b>only</b> ICD-10 code T78.3XXA)	Any	NA	0	Any	02
ICD-9-CN	and ICD-10-CM	diagnosis codes ar	e provided by Optu	m360.					



#### Appendix L. Cohort Identification and Descriptive Analysis Tool (CIDA) Specifications for ICD-10 Level 1 Request Part One: Acute Myocardial Infarction (AMI)

#### Modular Program Specifications for ICD10\_MPL1R\_WP001\_NSPD\_V01

Sentinel's Cohort Identification and Descriptive Analysis (CIDA) tool, version 3.3.2, was used to compare the frequency of diagnoses for a selection of health outcomes using ICD-9 versus ICD-10 codes.

Enrollment Gap: Age Groups: 45 Days 0-17, 18-49, 50-64, 65+ Years

Enrollment Requirement: Coverage Requirement: 183 Days Medical Coverage

Event

Scenario	Code Source	Query Start Date	Query End Date	Event	Care Setting	Incident w/ respect to:	Washout (days)	Incident w/ respect to Care Setting	Cohort Definition
1	Algorithm	10/1/2010	Current	AMI diagnosis (only ICD-9: 410.x0 or 410.x1)	IPP	AMI diagnosis (ICD-9: 410.x0 or 410.x1 <b>or</b> ICD-10: I21.x)	183	Any	01
2	SFM	10/1/2010	Current	AMI diagnosis (only ICD-9: 410.x0 or 410.x1)	IPP	AMI diagnosis (ICD-9: 410.x0 or 410.x1 <b>or</b> ICD-10: I21.09, I21.11, I21.19, I21.29, I21.3, I21.4)	183	Any	01
3	FBM	10/1/2010	Current	AMI diagnosis (only ICD-9: 410.x0 or 410.x1)	IPP	AMI diagnosis (ICD-9: 410.x0 or 410.x1 <b>or</b> ICD-10: I21.09, I21.19, I21.11, I21.29, I21.4, I21.3, I21.01, I21.02, I22.0, I22.1, I22.8, I22.2, I22.9, I21.21)	183	Any	01
4	Algorithm	10/1/2010	Current	AMI diagnosis (only ICD-10: I21.x)	IPP	AMI diagnosis (ICD-9: 410.x0 or 410.x1 <b>or</b> ICD-10: I21.x)	183	Any	01
5	SFM	10/1/2010	Current	AMI diagnosis ( <b>only</b> ICD-10: I21.09, I21.11, I21.19, I21.29, I21.3, I21.4)	IPP	AMI diagnosis (ICD-9: 410.x0 or 410.x1 <b>or</b> ICD-10: I21.09, I21.11, I21.19, I21.29, I21.3, I21.4)	183	Any	01
6	FBM	10/1/2010	Current	AMI diagnosis (only ICD-10: I21.09, I21.19, I21.11, I21.29, I21.4, I21.3, I21.01, I21.02, I22.0, I22.1, I22.8, I22.2, I22.9, I21.21)	IPP	AMI diagnosis (ICD-9: 410.x0 or 410.x1 <b>or</b> ICD-10: I21.09, I21.19, I21.11, I21.29, I21.4, I21.3, I21.01, I21.02, I22.0, I22.1, I22.8, I22.2, I22.9, I21.21)	183	Any	01
7	Algorithm, SFM, and FBM	1/1/2015	3/31/2015	AMI diagnosis (only ICD-9: 410.x0 or 410.x1)	IPP	AMI diagnosis (only ICD-9: 410.x0 or 410.x1)	90	Any	01
8	Algorithm	1/1/2016	3/31/2016	AMI diagnosis (only ICD-10: I21.x)	IPP	AMI diagnosis (only ICD-10: I21.x)	90	Any	01
9	SFM	1/1/2016	3/31/2016	AMI diagnosis ( <b>only</b> ICD-10: I21.09, I21.11, I21.19, I21.29, I21.3, I21.4)	IPP	AMI diagnosis ( <b>only</b> ICD-10: I21.09, I21.11, I21.19, I21.29, I21.3, I21.4)	90	Any	01
10	FBM	1/1/2016	3/31/2016	AMI diagnosis (only ICD-10: I21.09, I21.19, I21.11, I21.29, I21.4, I21.3, I21.01, I21.02, I22.0, I22.1, I22.8, I22.2, I22.9, I21.21)	IPP	AMI diagnosis (only ICD-10: I21.09, I21.19, I21.11, I21.29, I21.4, I21.3, I21.01, I21.02, I22.0, I22.1, I22.8, I22.2, I22.9, I21.21)	90	Any	01
11	Algorithm, SFM, and FBM	10/1/2010	Current	AMI diagnosis (only ICD-9: 410.x0, 410.x1, 410.x2)	Any	NA	0	Any	02
12	Algorithm	10/1/2010	Current	AMI diagnosis (only ICD-10: I21.x)	Any	NA	0	Any	02
13	SFM	10/1/2010	Current	AMI diagnosis ( <b>only</b> ICD-10: I21.09, I21.11, I21.19, I21.29, I21.3, I21.4)	Any	NA	0	Any	02
14	FBM	10/1/2010	Current	AMI diagnosis (only ICD-10: I21.09, I21.19, I21.11, I21.29, I21.4, I21.3, I21.01, I21.02, I22.0, I22.1, I22.8, I22.2, I22.9, I21.21)	Any	NA	0	Any	02
ICD-9-CM	and ICD-10-CM	diagnosis codes are pro	ovided by Optum360.						



#### Appendix M. Cohort Identification and Descriptive Analysis Tool (CIDA) Specifications for ICD-10 Level 1 Request Part One: Ischemic Stroke

Modular Program Specifications for ICD10\_MPL1R\_WP001\_NSPD\_V01

Sentinel's Cohort Identification and Descriptive Analysis (CIDA) tool, version 3.3.2, was used to compare the frequency of diagnoses for a selection of health outcomes using ICD-9 versus ICD-10 codes.

Enrollment Gap: 45 Days

**Age Groups:** 0-17, 18-49, 50-64, 65+ Years

Enrollment Requirement: 183 Days
Coverage Requirement: Medical Coverage

#### Event

Scenario	Code Source	Query Start Date	Query End Date	Event	Care Setting	Incident w/ respect to:	Washout (days)	Incident w/ respect to Care Setting	Cohort Definition
1	Algorithm	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436)	IPP	Acute Ischemic Stroke diagnosis (ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436 or ICD-10: I63.* or H34.1*)	183	Any	01
2	SFM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436)	IPP	Acute Ischemic Stroke diagnosis (ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436 or ICD-10: I63.019, I63.119, I63.139, I63.20, I63.219, I63.22, I63.239, I63.30, I63.40, I63.50, I63.59, I67.89)	183	Any	01
3	FBM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436)	IPP	Acute Ischemic Stroke diagnosis (ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436 or ICD-10: see Stroke_FBM code list for 91 codes)	183	Any	01
4	Algorithm	10/1/2010	Current	Acute Ischemic Stroke diagnosis (only ICD-10: I63.* or H34.1*)	IPP	Acute Ischemic Stroke diagnosis (ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436; <b>or</b> ICD-10: I63.* or H34.1*)	183	Any	01
5	SFM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: I63.019, I63.119, I63.139, I63.20, I63.219, I63.22, I63.239, I63.30, I63.40, I63.50, I63.59, I67.89)	IPP	Acute Ischemic Stroke diagnosis (ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436; or ICD-10: I63.019, I63.119, I63.139, I63.20, I63.219, I63.22, I63.239, I63.30, I63.40, I63.50, I63.59, I67.89)	183	Any	01
6	FBM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: see Stroke_FBM code list for 91 codes)	IPP	Acute Ischemic Stroke diagnosis (ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436; <b>or</b> ICD-10: see Stroke_FBM code list for 91 codes)	183	Any	01
7	Algorithm, SFM, FBM	1/1/2015	3/31/2015	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436)	IPP	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436)	90	Any	01
8	Algorithm	1/1/2016	3/31/2016	Acute Ischemic Stroke diagnosis (only ICD-10: I63.* or H34.1*)	IPP	Acute Ischemic Stroke diagnosis (only ICD-10: I63.* or H34.1*)	90	Any	01
9	SFM	1/1/2016	3/31/2016	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: I63.019, I63.119, I63.139, I63.20, I63.219, I63.22, I63.239, I63.30, I63.40, I63.50, I63.59, I67.89)	IPP	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: I63.019, I63.119, I63.139, I63.20, I63.219, I63.22, I63.239, I63.30, I63.40, I63.50, I63.59, I67.89)	90	Any	01
10	FBM	1/1/2016	3/31/2016	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: see Stroke_FBM code list for 91 codes)	IPP	Acute Ischemic Stroke diagnosis (only ICD-10: see Stroke_FBM code list for 91 codes)	90	Any	01
11	Algorithm, SFM, FBM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 436)	IPP	NA	0	Any	02
12	Algorithm	10/1/2010	Current	Acute Ischemic Stroke diagnosis (only ICD-10: I63.* or H34.1*)	IPP	NA	0	Any	02
13	SFM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: I63.019, I63.119, I63.139, I63.20, I63.219, I63.22, I63.239, I63.30, I63.40, I63.50, I63.59, I67.89)	IPP	NA	0	Any	02
14	FBM	10/1/2010	Current	Acute Ischemic Stroke diagnosis ( <b>only</b> ICD-10: see Stroke_FBM code list for 91 codes)	IPP	NA	0	Any	02