

Disclaimer

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Data obtained through Mini-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 the Mini-Sentinel pilot in the public domain as soon as possible. Any public health actions

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

The following report contains a description of the request, request specifications, and results from the modular program

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Overview

Request ID

msy4_mpr51_v1

Request Description

The following report provides counts of incident warfarin users. In addition, the report provides prevalent patient counts for the top diagnoses and procedures 30 days before (pre-index) and 30 days after (post-index) an incident warfarin dispensing.

Data Source

The time period for the request was October 1, 2010 to December 31, 2012. The package was distributed to 18 Data Partners on August 7, 2013. This report contains data from 18 Data Partners.

Study Design

This request was designed to identify counts of incident warfarin users.

Events of Interest

Diagnoses of interest were defined using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis codes. Procedures of interest were defined using ICD-9-CM, Current Procedural Terminology (CPT), and Healthcare Common Procedure Coding System (HCPCS) procedure codes. If a diagnosis or procedure claim occurred on the index date (date of incident warfarin initiation), then it is included in the post-index lookup period. See Appendix A for a list of ICD-9-CM diagnosis codes identified from the pre- and post-index periods.

Cohort Eligibility

A user was considered new if he or she was not exposed to warfarin during the indicated washout period (183 days or 365 days).

Criteria

Notes

Please contact the Sentinel Operations Center (qf@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document. If you are using a web page screen reader and are unable to access this document, please contact the Sentinel Operations Center for assistance at info@sentinelssystem.org.

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Glossary of Terms in Modular Program 7*

Blackout Period - Number of days at the beginning of the post-index period that dispensings, procedures, or diagnoses are to be ignored. The index date will be included in the post-index lookup period if Blackout = 0.

Care Setting - Type of medical encounter or facility where the procedure or diagnosis 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).

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

Enrollment Gap - Number of days allowed between two consecutive enrollment periods without breaking a “continuously enrolled” sequence.

Incidence Type - *Minimum washout type* considers the first exposure/event as long as it is the first such exposure/event in the user's entire available history. *Multiple washout type* uses the washout period to establish incidence and considers all qualifying incident exposures/events during each query period.

Member-Days - Sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period.

Most Frequent Drugs, Procedures, or Diagnoses - Number of drugs, procedures, or diagnoses to be ranked in the pre/post-index periods

New Users - Number of members with incident 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.

Pre/Post-Index Lookup Period - Number of days before and after the index date to consider and rank exposures/events (dispensings, procedures, diagnoses).

Principal Diagnosis - Diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. YES will only consider diagnoses flagged as Principal

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

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

Washout Period - Number of days a user is required to have no evidence of prior exposure/event (drug dispensing/procedure/diagnosis/anniversary date).

Table 1a. Top 50 Prevalent International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout

Rank	30 Days Prior to Incident Warfarin Use				30 Days Post-incident Warfarin Use				
	DX Code	Diagnosis (DX) Description	Users	% of Users	DX Code	Diagnosis (DX) Description	Users	% of Users	
183-Day Washout									
<i>Total Number of Incident Warfarin Users</i>			346,163	100.00%				346,163	100.00%
1	427.31	ATRIAL_FIBRILLATION	93,899	27.13%	427.31	ATRIAL_FIBRILLATION	111,587	32.24%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	34,042	9.83%	427.32	ATRIAL_FLUTTER	11,967	3.46%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	28,553	8.25%	V72.60	LABORATORY_EXAMINATION_UNSPECI	10,117	2.92%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	21,852	6.31%	794.31	NONSPECIFIC_ABNORMAL_ECG	9,310	2.69%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	19,694	5.69%	790.92	ABNORMAL_COAGULATION_PROFILE	8,162	2.36%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	16,594	4.79%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	7,890	2.28%	
7	427.32	ATRIAL_FLUTTER	13,505	3.90%	427.81	SINOATRIAL_NODE_DYSFUNCTION	5,520	1.59%	
8	790.29	OTHER_ABNORMAL_GLUCCOSE	8,919	2.58%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	5,234	1.51%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	6,803	1.97%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	4,767	1.38%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	6,155	1.78%	790.29	OTHER_ABNORMAL_GLUCCOSE	4,655	1.34%	
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	5,361	1.55%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	4,028	1.16%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	4,693	1.36%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	3,405	0.98%	
13	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	4,536	1.31%	998.59	OTHER_POSTOPERATIVE_INFECTION_	2,364	0.68%	
14	790.92	ABNORMAL_COAGULATION_PROFILE	3,491	1.01%	427.69	OTHER_PREMATURE_BEATS	1,891	0.55%	
15	427.69	OTHER_PREMATURE_BEATS	3,184	0.92%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,822	0.53%	
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	2,802	0.81%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,769	0.51%	
17	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	2,279	0.66%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,642	0.47%	
18	790.21	IMPAIRED_FASTING_GLUCCOSE	2,158	0.62%	790.21	IMPAIRED_FASTING_GLUCCOSE	1,629	0.47%	
19	998.59	OTHER_POSTOPERATIVE_INFECTION_	2,001	0.58%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	1,528	0.44%	
20	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	1,958	0.57%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	1,276	0.37%	
21	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,821	0.53%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	1,057	0.31%	
22	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	1,688	0.49%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	1,026	0.30%	
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	1,556	0.45%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	995	0.29%	
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	1,522	0.44%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	994	0.29%	
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	1,359	0.39%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	846	0.24%	
26	998.11	HEMORRHAGE_COMPLICATING_A_PROC	1,229	0.36%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	827	0.24%	
27	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	1,007	0.29%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	784	0.23%	
28	998.83	NON-HEALING_SURGICAL_WOUND_NEC	985	0.28%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	779	0.23%	
29	427.41	VENTRICULAR_FIBRILLATION	985	0.28%	998.11	HEMORRHAGE_COMPLICATING_A_PROC	703	0.20%	
30	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	975	0.28%	V72.85	OTHER_SPECIFIED_EXAMINATION	673	0.19%	
31	287.49	OTHER_SECONDARY_THROMBOCYTOPEN	868	0.25%	V72.69	OTHER_LABORATORY_EXAMINATION	603	0.17%	

30 Days Prior to Incident Warfarin Use

30 Days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis (DX) Description	Users	% of Users	DX Code	Diagnosis (DX) Description	Users	% of Users
32	V72.85	OTHER_SPECIFIED_EXAMINATION	846	0.24%	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	562	0.16%
33	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	749	0.22%	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	546	0.16%
34	V72.86	ENCOUNTER_FOR_BLOOD_TYPING	716	0.21%	V72.62	LAB_EXAM_ORDR_PART_ROUTINE_MED	535	0.15%
35	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	595	0.17%	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	520	0.15%
36	998.89	OTHER_SPECIFIED_COMPLICATIONS_	573	0.17%	427.41	VENTRICULAR_FIBRILLATION	515	0.15%
37	V72.62	LAB_EXAM_ORDR_PART_ROUTINE_MED	458	0.13%	429.79	OTH_CERTAIN_SEQUELAE_MI_NEC	480	0.14%
38	V72.69	OTHER_LABORATORY_EXAMINATION	447	0.13%	998.89	OTHER_SPECIFIED_COMPLICATIONS_	437	0.13%
39	444.89	EMBOLISM&THROMBOSIS_OTH_SPEC_A	443	0.13%	287.49	OTHER_SECONDARY_THROMBOCYTOPEN	320	0.09%
40	287.31	IMMUNE_THROMBOCYTOPENIC_PURPUR	440	0.13%	998.13	SEROMA_COMPLICATING_A_PROC_NEC	320	0.09%
41	444.81	EMBOLISM&THROMBOSIS_OF_ILIAC_A	427	0.12%	287.31	IMMUNE_THROMBOCYTOPENIC_PURPUR	309	0.09%
42	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	426	0.12%	444.89	EMBOLISM&THROMBOSIS_OTH_SPEC_A	267	0.08%
43	429.79	OTH_CERTAIN_SEQUELAE_MI_NEC	322	0.09%	998.30	DISRUPTION_OF_WOUND_UNSPECIFIE	228	0.07%
44	287.30	PRIMARY_THROMBOCYTOPENIA_UN	297	0.09%	459.10	POSTPHLEBITIC_SYND_WITHOUT_COM	220	0.06%
45	790.91	ABNORMAL_ARTERIAL_BLOOD_GASES	295	0.09%	998.31	DISRUPT_INTERN_OPERTION__SURG_	209	0.06%
46	998.13	SEROMA_COMPLICATING_A_PROC_NEC	284	0.08%	287.30	PRIMARY_THROMBOCYTOPENIA_UN	198	0.06%
47	429.83	TAKOTSUBO_SYNDROME	277	0.08%	790.22	IMPAIRED_GLUCOSE_TOLERANCE_TES	194	0.06%
48	790.22	IMPAIRED_GLUCOSE_TOLERANCE_TES	267	0.08%	429.83	TAKOTSUBO_SYNDROME	175	0.05%
49	790.01	PRECIPITOUS_DROP_IN_HEMATOCRIT	251	0.07%	459.31	CHRONIC_VENOUS_HYPERTENSION_W/	162	0.05%
50	427.60	UNSPECIFIED_PREMATURE_BEATS	241	0.07%	427.60	UNSPECIFIED_PREMATURE_BEATS	159	0.05%

365-Day Washout

Total Number of Incident Warfarin Users		257,838	100.00%			257,838	100.00%	
1	427.31	ATRIAL_FIBRILLATION	66,541	25.81%	427.31	ATRIAL_FIBRILLATION	81,602	31.65%
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	29,637	11.49%	427.32	ATRIAL_FLUTTER	9,873	3.83%
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	25,382	9.84%	V72.60	LABORATORY_EXAMINATION_UNSPECI	8,424	3.27%
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	19,041	7.38%	794.31	NONSPECIFIC_ABNORMAL_ECG	7,748	3.00%
5	794.31	NONSPECIFIC_ABNORMAL_ECG	16,991	6.59%	790.92	ABNORMAL_COAGULATION_PROFILE	6,685	2.59%
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	14,252	5.53%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	6,521	2.53%
7	427.32	ATRIAL_FLUTTER	11,360	4.41%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	4,308	1.67%
8	790.29	OTHER_ABNORMAL_GLUCOSE	7,717	2.99%	427.81	SINOATRIAL_NODE_DYSFUNCTION	4,061	1.58%
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	5,210	2.02%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	4,040	1.57%
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	4,883	1.89%	790.29	OTHER_ABNORMAL_GLUCOSE	3,845	1.49%
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	4,634	1.80%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	3,066	1.19%
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	3,923	1.52%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	2,769	1.07%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	3,731	1.45%	998.59	OTHER_POSTOPERATIVE_INFECTION_	1,974	0.77%
14	427.69	OTHER_PREMATURE_BEATS	2,703	1.05%	427.69	OTHER_PREMATURE_BEATS	1,576	0.61%
15	790.92	ABNORMAL_COAGULATION_PROFILE	2,693	1.04%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,361	0.53%

30 Days Prior to Incident Warfarin Use

30 Days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis (DX) Description	Users	% of Users	DX Code	Diagnosis (DX) Description	Users	% of Users
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	2,354	0.91%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,352	0.52%
17	790.21	IMPAIRED_FASTING_GLUCOSE	1,786	0.69%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,313	0.51%
18	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,786	0.69%	790.21	IMPAIRED_FASTING_GLUCOSE	1,288	0.50%
19	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	1,692	0.66%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	1,258	0.49%
20	998.59	OTHER_POSTOPERATIVE_INFECTION_	1,679	0.65%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	1,010	0.39%
21	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	1,471	0.57%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	884	0.34%
22	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,371	0.53%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	863	0.33%
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	1,331	0.52%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	845	0.33%
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	1,274	0.49%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	838	0.33%
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	1,177	0.46%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	719	0.28%
26	998.11	HEMORRHAGE_COMPLICATING_A_PROC	1,078	0.42%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	697	0.27%
27	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	873	0.34%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	634	0.25%
28	427.41	VENTRICULAR_FIBRILLATION	832	0.32%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	618	0.24%
29	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	814	0.32%	998.11	HEMORRHAGE_COMPLICATING_A_PROC	573	0.22%
30	998.83	NON-HEALING_SURGICAL_WOUND_NEC	767	0.30%	V72.85	OTHER_SPECIFIED_EXAMINATION	561	0.22%
31	287.49	OTHER_SECONDARY_THROMBOCYTOPEN	760	0.29%	V72.69	OTHER_LABORATORY_EXAMINATION	508	0.20%
32	V72.85	OTHER_SPECIFIED_EXAMINATION	719	0.28%	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	494	0.19%
33	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	635	0.25%	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	443	0.17%
34	V72.86	ENCOUNTER_FOR_BLOOD_TYPING	622	0.24%	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	434	0.17%
35	998.89	OTHER_SPECIFIED_COMPLICATIONS_	493	0.19%	V72.62	LAB_EXAM_ORDR_PART_ROUTINE_MED	416	0.16%
36	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	484	0.19%	429.79	OTH_CERTAIN_SEQUELAE_MI_NEC	410	0.16%
37	444.89	EMBOLISM&THROMBOSIS_OTH_SPEC_A	382	0.15%	427.41	VENTRICULAR_FIBRILLATION	390	0.15%
38	287.31	IMMUNE_THROMBOCYTOPENIC_PURPUR	359	0.14%	998.89	OTHER_SPECIFIED_COMPLICATIONS_	387	0.15%
39	V72.69	OTHER_LABORATORY_EXAMINATION	359	0.14%	998.13	SEROMA_COMPLICATING_A_PROC_NEC	276	0.11%
40	444.81	EMBOLISM&THROMBOSIS_OF_ILIAC_A	358	0.14%	287.49	OTHER_SECONDARY_THROMBOCYTOPEN	266	0.10%
41	V72.62	LAB_EXAM_ORDR_PART_ROUTINE_MED	353	0.14%	287.31	IMMUNE_THROMBOCYTOPENIC_PURPUR	240	0.09%
42	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	292	0.11%	444.89	EMBOLISM&THROMBOSIS_OTH_SPEC_A	224	0.09%
43	429.79	OTH_CERTAIN_SEQUELAE_MI_NEC	268	0.10%	998.30	DISRUPTION_OF_WOUND_UNSPECIFIE	193	0.07%
44	790.91	ABNORMAL_ARTERIAL_BLOOD_GASES	263	0.10%	998.31	DISRUPT_INTERN_OPERTION_SURG_	170	0.07%
45	429.83	TAKOTSUBO_SYNDROME	254	0.10%	459.10	POSTPHLEBITIC_SYND_WITHOUT_COM	168	0.07%
46	287.30	PRIMARY_THROMBOCYTOPENIA_UN	239	0.09%	287.30	PRIMARY_THROMBOCYTOPENIA_UN	160	0.06%
47	998.13	SEROMA_COMPLICATING_A_PROC_NEC	237	0.09%	429.83	TAKOTSUBO_SYNDROME	160	0.06%
48	790.01	PRECIPITOUS_DROP_IN_HEMATOCRIT	224	0.09%	790.22	IMPAIRED_GLUCOSE_TOLERANCE_TES	158	0.06%
49	790.22	IMPAIRED_GLUCOSE_TOLERANCE_TES	215	0.08%	427.60	UNSPECIFIED_PREMATURE_BEATS	135	0.05%
50	427.60	UNSPECIFIED_PREMATURE_BEATS	201	0.08%	444.81	EMBOLISM&THROMBOSIS_OF_ILIAC_A	118	0.05%

Table 1b. Top 100 Prevalent Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS), and International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Procedure Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout

Rank	30 Days Prior to Incident Warfarin Use					30 Days Post-Incident Warfarin Use					
	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	
183-Day Washout											
<i>Total Number of Incident Warfarin Users</i>				346,163	100.00%					346,163	100.00%
1	85610	CPT	PROTHROMBIN TIME	125,759	36.33%	85610	CPT	PROTHROMBIN TIME	241,553	69.78%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	107,628	31.09%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	136,168	39.34%	
3	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	100,341	28.99%	36415	CPT	ROUTINE VENIPUNCTURE	130,792	37.78%	
4	99213	CPT	OFFICE/OUTPATIENT VISIT EST	100,326	28.98%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	126,224	36.46%	
5	36415	CPT	ROUTINE VENIPUNCTURE	98,599	28.48%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	81,848	23.64%	
6	93010	CPT	ELECTROCARDIOGRAM REPORT	93,698	27.07%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	51,892	14.99%	
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	90,016	26.00%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	51,364	14.84%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	75,682	21.86%	80053	CPT	COMPREHEN METABOLIC PANEL	47,454	13.71%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	74,048	21.39%	80048	CPT	METABOLIC PANEL TOTAL CA	40,629	11.74%	
10	99223	CPT	INITIAL HOSPITAL CARE	68,677	19.84%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	37,052	10.70%	
11	99285	CPT	EMERGENCY DEPT VISIT	62,792	18.14%	97110	CPT	THERAPEUTIC EXERCISES	35,347	10.21%	
12	93000	CPT	ELECTROCARDIOGRAM COMPLETE	62,568	18.07%	97001	CPT	PT EVALUATION	34,027	9.83%	
13	80053	CPT	COMPREHEN METABOLIC PANEL	60,078	17.36%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	33,453	9.66%	
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	59,079	17.07%	85027	CPT	COMPLETE CBC AUTOMATED	33,119	9.57%	
15	80048	CPT	METABOLIC PANEL TOTAL CA	55,106	15.92%	93010	CPT	ELECTROCARDIOGRAM REPORT	33,039	9.54%	
16	93306	CPT	TTE W/DOPPLER COMPLETE	54,718	15.81%	80061	CPT	LIPID PANEL	29,850	8.62%	
17	85027	CPT	COMPLETE CBC AUTOMATED	44,182	12.76%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	29,556	8.54%	
18	99222	CPT	INITIAL HOSPITAL CARE	42,008	12.14%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	29,384	8.49%	
19	85730	CPT	THROMBOPLASTIN TIME PARTIAL	41,893	12.10%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	29,024	8.38%	
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	40,860	11.80%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	28,708	8.29%	
21	93970	CPT	EXTREMITY STUDY	35,652	10.30%	82565	CPT	ASSAY OF CREATININE	27,969	8.08%	
22	80061	CPT	LIPID PANEL	35,499	10.25%	99285	CPT	EMERGENCY DEPT VISIT	25,722	7.43%	
23	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	33,436	9.66%	93971	CPT	EXTREMITY STUDY	24,896	7.19%	
24	99239	CPT	HOSPITAL DISCHARGE DAY	32,792	9.47%	99232	CPT	SUBSEQUENT HOSPITAL CARE	24,758	7.15%	
25	99238	CPT	HOSPITAL DISCHARGE DAY	32,789	9.47%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	24,495	7.08%	
26	93971	CPT	EXTREMITY STUDY	31,656	9.14%	84443	CPT	ASSAY THYROID STIM HORMONE	24,440	7.06%	
27	82565	CPT	ASSAY OF CREATININE	31,487	9.10%	93306	CPT	TTE W/DOPPLER COMPLETE	22,383	6.47%	
28	93005	CPT	ELECTROCARDIOGRAM TRACING	31,160	9.00%	99284	CPT	EMERGENCY DEPT VISIT	21,574	6.23%	
29	81003	CPT	URINALYSIS AUTO W/O SCOPE	30,783	8.89%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	20,727	5.99%	
30	84443	CPT	ASSAY THYROID STIM HORMONE	29,346	8.48%	93005	CPT	ELECTROCARDIOGRAM TRACING	18,062	5.22%	

CPT= Current Procedural Terminology

HCPCS= Healthcare Common Procedure Coding System

ICD9= International Classification of Diseases, Ninth Revision

30 Days Prior to Incident Warfarin Use
30 Days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	Px Code	Code Type	Procedure (PX) Description	Users	% of Users
31	81.54	ICD9	TOTAL KNEE REPLACEMENT	29,341	8.48%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	17,482	5.05%
32	81001	CPT	URINALYSIS AUTO W/SCOPE	27,436	7.93%	97140	CPT	MANUAL THERAPY 1/> REGIONS	17,367	5.02%
33	88305	CPT	TISSUE EXAM BY PATHOLOGIST	27,388	7.91%	99223	CPT	INITIAL HOSPITAL CARE	16,557	4.78%
34	86900	CPT	BLOOD TYPING ABO	27,242	7.87%	84520	CPT	ASSAY OF UREA NITROGEN	16,500	4.77%
35	86901	CPT	BLOOD TYPING RH (D)	26,928	7.78%	36416	CPT	CAPILLARY BLOOD DRAW	16,369	4.73%
36	86850	CPT	RBC ANTIBODY SCREEN	26,329	7.61%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	16,223	4.69%
37	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	25,773	7.45%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	15,759	4.55%
38	99291	CPT	CRITICAL CARE FIRST HOUR	25,289	7.31%	84132	CPT	ASSAY OF SERUM POTASSIUM	15,672	4.53%
39	84484	CPT	ASSAY OF TROPONIN QUANT	25,158	7.27%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	15,455	4.46%
40	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	25,086	7.25%	83735	CPT	ASSAY OF MAGNESIUM	15,233	4.40%
41	01402	CPT	ANESTH KNEE ARTHROPLASTY	25,080	7.25%	81003	CPT	URINALYSIS AUTO W/O SCOPE	15,086	4.36%
42	71275	CPT	CT ANGIOGRAPHY CHEST	24,954	7.21%	99239	CPT	HOSPITAL DISCHARGE DAY	14,726	4.25%
43	99284	CPT	EMERGENCY DEPT VISIT	24,896	7.19%	99233	CPT	SUBSEQUENT HOSPITAL CARE	14,692	4.24%
44	99212	CPT	OFFICE/OUTPATIENT VISIT EST	24,288	7.02%	99238	CPT	HOSPITAL DISCHARGE DAY	14,454	4.18%
45	27447	CPT	TOTAL KNEE ARTHROPLASTY	24,277	7.01%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	14,428	4.17%
46	83735	CPT	ASSAY OF MAGNESIUM	24,003	6.93%	81001	CPT	URINALYSIS AUTO W/SCOPE	14,396	4.16%
47	99215	CPT	OFFICE/OUTPATIENT VISIT EST	22,793	6.58%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	13,962	4.03%
48	84132	CPT	ASSAY OF SERUM POTASSIUM	22,540	6.51%	89240	CPT	PATHOLOGY LAB PROCEDURE	13,528	3.91%
49	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	21,553	6.23%	85004	CPT	AUTOMATED DIFF WBC COUNT	13,368	3.86%
50	84520	CPT	ASSAY OF UREA NITROGEN	21,227	6.13%	84484	CPT	ASSAY OF TROPONIN QUANT	12,886	3.72%
51	70450	CPT	CT HEAD/BRAIN W/O DYE	20,598	5.95%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	12,774	3.69%
52	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	19,664	5.68%	73510	CPT	X-RAY EXAM OF HIP	12,343	3.57%
53	99211	CPT	OFFICE/OUTPATIENT VISIT EST	18,573	5.37%	84295	CPT	ASSAY OF SERUM SODIUM	11,880	3.43%
54	71260	CPT	CT THORAX W/DYE	18,448	5.33%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	11,840	3.42%
55	72170	CPT	X-RAY EXAM OF PELVIS	16,993	4.91%	99283	CPT	EMERGENCY DEPT VISIT	11,468	3.31%
56	84295	CPT	ASSAY OF SERUM SODIUM	16,722	4.83%	99231	CPT	SUBSEQUENT HOSPITAL CARE	11,165	3.23%
57	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	16,395	4.74%	99222	CPT	INITIAL HOSPITAL CARE	11,025	3.18%
58	96372	CPT	THER/PROPH/DIAG INJ SC/IM	16,157	4.67%	72170	CPT	X-RAY EXAM OF PELVIS	10,907	3.15%
59	85004	CPT	AUTOMATED DIFF WBC COUNT	16,000	4.62%	84460	CPT	ALANINE AMINO (ALT) (SGPT)	10,897	3.15%
60	88311	CPT	DECALCIFY TISSUE	15,789	4.56%	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	10,824	3.13%
61	80051	CPT	ELECTROLYTE PANEL	15,779	4.56%	93970	CPT	EXTREMITY STUDY	10,418	3.01%
62	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	15,771	4.56%	73562	CPT	X-RAY EXAM OF KNEE 3	10,224	2.95%
63	81.51	ICD9	TOTAL HIP REPLACEMENT	15,453	4.46%	82550	CPT	ASSAY OF CK (CPK)	9,988	2.89%
64	82550	CPT	ASSAY OF CK (CPK)	15,362	4.44%	S9131	HCPCS	PHYSICAL THERAPY; HOME PER DIEM	9,872	2.85%
65	87086	CPT	URINE CULTURE/COLONY COUNT	14,817	4.28%	80051	CPT	ELECTROLYTE PANEL	9,441	2.73%
66	99254	CPT	INPATIENT CONSULTATION	14,662	4.24%	87086	CPT	URINE CULTURE/COLONY COUNT	9,343	2.70%
67	82435	CPT	ASSAY OF BLOOD CHLORIDE	14,326	4.14%	99024	CPT	POSTOP FOLLOW-UP VISIT	9,059	2.62%
68	82374	CPT	ASSAY BLOOD CARBON DIOXIDE	14,187	4.10%	70450	CPT	CT HEAD/BRAIN W/O DYE	8,915	2.58%

30 Days Prior to Incident Warfarin Use
30 Days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	Px Code	Code Type	Procedure (PX) Description	Users	% of Users
69	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	14,006	4.05%	88305	CPT	TISSUE EXAM BY PATHOLOGIST	8,870	2.56%
70	99221	CPT	INITIAL HOSPITAL CARE	13,217	3.82%	G0180	HCPCS	PHYS CERT MCR-COVR HOM HLTH SRVC	8,862	2.56%
71	27130	CPT	TOTAL HIP ARTHROPLASTY	12,958	3.74%	82435	CPT	ASSAY OF BLOOD CHLORIDE	8,709	2.52%
72	73510	CPT	X-RAY EXAM OF HIP	12,837	3.71%	G0152	HCPCS	SRVC OT HOM HLTH/HOSPICE EA 15 MIN	8,645	2.50%
73	01214	CPT	ANESTH HIP ARTHROPLASTY	12,738	3.68%	83540	CPT	ASSAY OF IRON	8,597	2.48%
74	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	12,270	3.54%	E0431	HCPCS	PRTBLE GASEOUS O2 SYS RENTAL;	8,552	2.47%
75	36620	CPT	INSERTION CATHETER ARTERY	11,813	3.41%	82374	CPT	ASSAY BLOOD CARBON DIOXIDE	8,441	2.44%
76	93880	CPT	EXTRACRANIAL BILAT STUDY	11,793	3.41%	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	8,390	2.42%
77	84460	CPT	ALANINE AMINO (ALT) (SGPT)	11,660	3.37%	96374	CPT	THER/PROPH/DIAG INJ IV PUSH	8,334	2.41%
78	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	11,599	3.35%	97530	CPT	THERAPEUTIC ACTIVITIES	8,249	2.38%
79	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	11,036	3.19%	96375	CPT	TX/PRO/DX INJ NEW DRUG ADDON	8,087	2.34%
80	88.72	ICD9	DIAGNOSTIC ULTRASOUND OF HEART	11,020	3.18%	82306	CPT	VITAMIN D 25 HYDROXY	7,960	2.30%
81	99.04	ICD9	TRANSFUSION OF PACKED CELLS	10,940	3.16%	82728	CPT	ASSAY OF FERRITIN	7,897	2.28%
82	82553	CPT	CREATINE MB FRACTION	10,527	3.04%	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVL 1	7,568	2.19%
83	74177	CPT	CT ABD & PELV W/CONTRAST	10,401	3.00%	80076	CPT	HEPATIC FUNCTION PANEL	7,348	2.12%
84	93312	CPT	ECHO TRANSESOPHAGEAL	10,230	2.96%	99205	CPT	OFFICE/OUTPATIENT VISIT NEW	7,344	2.12%
85	84100	CPT	ASSAY OF PHOSPHORUS	10,152	2.93%	84153	CPT	ASSAY OF PSA TOTAL	7,328	2.12%
86	A0428	HCPCS	AMB SERVICE BLS NONEMERG TRANSPORT	10,082	2.91%	97112	CPT	NEUROMUSCULAR REEDUCATION	7,184	2.08%
87	96374	CPT	THER/PROPH/DIAG INJ IV PUSH	10,037	2.90%	S9123	HCPCS	NRS CARE HOM; REGISTERED NURSE-HOUR	7,046	2.04%
88	99255	CPT	INPATIENT CONSULTATION	9,988	2.89%	E0935	HCPCS	CONT PSV MOT EXER DEVC KNEE ONLY	6,968	2.01%
89	97110	CPT	THERAPEUTIC EXERCISES	9,965	2.88%	84439	CPT	ASSAY OF FREE THYROXINE	6,864	1.98%
90	76942	CPT	ECHO GUIDE FOR BIOPSY	9,956	2.88%	84100	CPT	ASSAY OF PHOSPHORUS	6,726	1.94%
91	78452	CPT	HT MUSCLE IMAGE SPECT MULT	9,854	2.85%	80050	CPT	GENERAL HEALTH PANEL	6,566	1.90%
92	89240	CPT	PATHOLOGY LAB PROCEDURE	9,838	2.84%	81.54	ICD9	TOTAL KNEE REPLACEMENT	6,528	1.89%
93	93325	CPT	DOPPLER COLOR FLOW ADD-ON	9,757	2.82%	83550	CPT	IRON BINDING TEST	6,455	1.86%
94	88304	CPT	TISSUE EXAM BY PATHOLOGIST	9,646	2.79%	82607	CPT	VITAMIN B-12	6,414	1.85%
95	99283	CPT	EMERGENCY DEPT VISIT	9,344	2.70%	78452	CPT	HT MUSCLE IMAGE SPECT MULT	6,346	1.83%
96	64447	CPT	N BLOCK INJ FEM SINGLE	8,943	2.58%	85652	CPT	RBC SED RATE AUTOMATED	6,277	1.81%
97	96375	CPT	TX/PRO/DX INJ NEW DRUG ADDON	8,846	2.56%	J1650	HCPCS	INJECTION ENOXAPARIN SODIUM 10 MG	6,211	1.79%
98	85018	CPT	HEMOGLOBIN	8,720	2.52%	85018	CPT	HEMOGLOBIN	6,036	1.74%
99	85014	CPT	HEMATOCRIT	8,586	2.48%	99244	CPT	OFFICE CONSULTATION	5,736	1.66%
100	87081	CPT	CULTURE SCREEN ONLY	8,503	2.46%	E0163	HCPCS	COMMODE CHAIR WITH FIXED ARMS	5,607	1.62%

30 Days Prior to Incident Warfarin Use

30 Days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	
365-Day Washout											
<i>Total Number of Incident Warfarin Users</i>				257,838	100.00%					257,838	100.00%
1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	83,624	32.43%	85610	CPT	PROTHROMBIN TIME	183,637	71.22%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	83,427	32.36%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	108,149	41.94%	
3	85610	CPT	PROTHROMBIN TIME	82,720	32.08%	36415	CPT	ROUTINE VENIPUNCTURE	100,907	39.14%	
4	93010	CPT	ELECTROCARDIOGRAM REPORT	80,733	31.31%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	99,046	38.41%	
5	99232	CPT	SUBSEQUENT HOSPITAL CARE	77,848	30.19%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	66,797	25.91%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	76,952	29.85%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	42,612	16.53%	
7	36415	CPT	ROUTINE VENIPUNCTURE	73,355	28.45%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	39,396	15.28%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	65,906	25.56%	80053	CPT	COMPREHEN METABOLIC PANEL	37,201	14.43%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	63,487	24.62%	80048	CPT	METABOLIC PANEL TOTAL CA	33,138	12.85%	
10	99223	CPT	INITIAL HOSPITAL CARE	59,401	23.04%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	31,744	12.31%	
11	99285	CPT	EMERGENCY DEPT VISIT	54,139	21.00%	97110	CPT	THERAPEUTIC EXERCISES	30,257	11.73%	
12	93000	CPT	ELECTROCARDIOGRAM COMPLETE	53,347	20.69%	97001	CPT	PT EVALUATION	29,668	11.51%	
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	51,112	19.82%	85027	CPT	COMPLETE CBC AUTOMATED	27,777	10.77%	
14	80053	CPT	COMPREHEN METABOLIC PANEL	48,315	18.74%	93010	CPT	ELECTROCARDIOGRAM REPORT	27,121	10.52%	
15	93306	CPT	TTE W/DOPPLER COMPLETE	47,037	18.24%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	26,283	10.19%	
16	80048	CPT	METABOLIC PANEL TOTAL CA	46,080	17.87%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	25,507	9.89%	
17	85027	CPT	COMPLETE CBC AUTOMATED	37,864	14.69%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	24,222	9.39%	
18	99222	CPT	INITIAL HOSPITAL CARE	36,332	14.09%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	24,106	9.35%	
19	85730	CPT	THROMBOPLASTIN TIME PARTIAL	35,667	13.83%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	23,532	9.13%	
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	35,404	13.73%	82565	CPT	ASSAY OF CREATININE	23,234	9.01%	
21	93970	CPT	EXTREMITY STUDY	31,169	12.09%	80061	CPT	LIPID PANEL	22,112	8.58%	
22	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	28,725	11.14%	93971	CPT	EXTREMITY STUDY	21,629	8.39%	
23	99239	CPT	HOSPITAL DISCHARGE DAY	28,386	11.01%	99285	CPT	EMERGENCY DEPT VISIT	21,088	8.18%	
24	99238	CPT	HOSPITAL DISCHARGE DAY	28,041	10.88%	99232	CPT	SUBSEQUENT HOSPITAL CARE	20,590	7.99%	
25	93971	CPT	EXTREMITY STUDY	27,505	10.67%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	20,237	7.85%	
26	80061	CPT	LIPID PANEL	27,207	10.55%	84443	CPT	ASSAY THYROID STIM HORMONE	19,491	7.56%	
27	81003	CPT	URINALYSIS AUTO W/O SCOPE	26,523	10.29%	93306	CPT	TTE W/DOPPLER COMPLETE	18,386	7.13%	
28	82565	CPT	ASSAY OF CREATININE	26,510	10.28%	99284	CPT	EMERGENCY DEPT VISIT	17,983	6.97%	
29	93005	CPT	ELECTROCARDIOGRAM TRACING	26,381	10.23%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	15,495	6.01%	
30	81.54	ICD9	TOTAL KNEE REPLACEMENT	26,117	10.13%	97140	CPT	MANUAL THERAPY 1/> REGIONS	14,762	5.73%	
31	86900	CPT	BLOOD TYPING ABO	24,301	9.42%	93005	CPT	ELECTROCARDIOGRAM TRACING	14,733	5.71%	
32	84443	CPT	ASSAY THYROID STIM HORMONE	23,974	9.30%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	14,290	5.54%	
33	86901	CPT	BLOOD TYPING RH (D)	23,951	9.29%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	14,161	5.49%	
34	86850	CPT	RBC ANTIBODY SCREEN	23,490	9.11%	84520	CPT	ASSAY OF UREA NITROGEN	13,990	5.43%	
35	88305	CPT	TISSUE EXAM BY PATHOLOGIST	23,038	8.94%	99223	CPT	INITIAL HOSPITAL CARE	13,533	5.25%	
36	81001	CPT	URINALYSIS AUTO W/SCOPE	22,883	8.87%	84132	CPT	ASSAY OF SERUM POTASSIUM	13,185	5.11%	
37	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	22,654	8.79%	36416	CPT	CAPILLARY BLOOD DRAW	12,728	4.94%	
38	99291	CPT	CRITICAL CARE FIRST HOUR	21,997	8.53%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	12,592	4.88%	
39	01402	CPT	ANESTH KNEE ARTHROPLASTY	21,945	8.51%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	12,583	4.88%	
40	71275	CPT	CT ANGIOGRAPHY CHEST	21,939	8.51%	83735	CPT	ASSAY OF MAGNESIUM	12,550	4.87%	
41	84484	CPT	ASSAY OF TROPONIN QUANT	21,901	8.49%	99239	CPT	HOSPITAL DISCHARGE DAY	12,358	4.79%	

30 Days Prior to Incident Warfarin Use
30 Days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	Px Code	Code Type	Procedure (PX) Description	Users	% of Users
42	27447	CPT	TOTAL KNEE ARTHROPLASTY	21,331	8.27%	81003	CPT	URINALYSIS AUTO W/O SCOPE	12,258	4.75%
43	99284	CPT	EMERGENCY DEPT VISIT	20,967	8.13%	99233	CPT	SUBSEQUENT HOSPITAL CARE	12,139	4.71%
44	83735	CPT	ASSAY OF MAGNESIUM	20,769	8.06%	99238	CPT	HOSPITAL DISCHARGE DAY	12,097	4.69%
45	84132	CPT	ASSAY OF SERUM POTASSIUM	19,481	7.56%	85004	CPT	AUTOMATED DIFF WBC COUNT	11,784	4.57%
46	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	19,431	7.54%	81001	CPT	URINALYSIS AUTO W/SCOPE	11,395	4.42%
47	84520	CPT	ASSAY OF UREA NITROGEN	18,679	7.24%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	11,126	4.32%
48	99215	CPT	OFFICE/OUTPATIENT VISIT EST	18,437	7.15%	89240	CPT	PATHOLOGY LAB PROCEDURE	10,828	4.20%
49	99212	CPT	OFFICE/OUTPATIENT VISIT EST	18,324	7.11%	84484	CPT	ASSAY OF TROPONIN QUANT	10,756	4.17%
50	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	18,021	6.99%	73510	CPT	X-RAY EXAM OF HIP	10,662	4.14%
51	70450	CPT	CT HEAD/BRAIN W/O DYE	17,645	6.84%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	10,517	4.08%
52	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	16,818	6.52%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	10,437	4.05%
53	71260	CPT	CT THORAX W/DYE	15,929	6.18%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	10,365	4.02%
54	72170	CPT	X-RAY EXAM OF PELVIS	15,029	5.83%	84295	CPT	ASSAY OF SERUM SODIUM	10,139	3.93%
55	84295	CPT	ASSAY OF SERUM SODIUM	14,749	5.72%	72170	CPT	X-RAY EXAM OF PELVIS	9,459	3.67%
56	85004	CPT	AUTOMATED DIFF WBC COUNT	14,387	5.58%	99283	CPT	EMERGENCY DEPT VISIT	9,382	3.64%
57	80051	CPT	ELECTROLYTE PANEL	14,365	5.57%	99231	CPT	SUBSEQUENT HOSPITAL CARE	9,338	3.62%
58	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	13,983	5.42%	93970	CPT	EXTREMITY STUDY	9,254	3.59%
59	88311	CPT	DECALCIFY TISSUE	13,832	5.36%	99222	CPT	INITIAL HOSPITAL CARE	9,007	3.49%
60	81.51	ICD9	TOTAL HIP REPLACEMENT	13,764	5.34%	84460	CPT	ALANINE AMINO (ALT) (SGPT)	8,972	3.48%
61	96372	CPT	THER/PROPH/DIAG INJ SC/IM	13,087	5.08%	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	8,820	3.42%
62	82435	CPT	ASSAY OF BLOOD CHLORIDE	13,049	5.06%	73562	CPT	X-RAY EXAM OF KNEE 3	8,776	3.40%
63	82374	CPT	ASSAY BLOOD CARBON DIOXIDE	12,934	5.02%	S9131	HCPCS	PHYSICAL THERAPY; HOME PER DIEM	8,762	3.40%
64	99254	CPT	INPATIENT CONSULTATION	12,804	4.97%	99024	CPT	POSTOP FOLLOW-UP VISIT	8,425	3.27%
65	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	12,729	4.94%	80051	CPT	ELECTROLYTE PANEL	8,303	3.22%
66	82550	CPT	ASSAY OF CK (CPK)	12,640	4.90%	82550	CPT	ASSAY OF CK (CPK)	7,933	3.08%
67	87086	CPT	URINE CULTURE/COLONY COUNT	12,273	4.76%	G0180	HCPCS	PHYS CERT MCR-COVR HOM HLTH SRVC	7,701	2.99%
68	73510	CPT	X-RAY EXAM OF HIP	11,835	4.59%	82435	CPT	ASSAY OF BLOOD CHLORIDE	7,678	2.98%
69	99221	CPT	INITIAL HOSPITAL CARE	11,511	4.46%	G0152	HCPCS	SRVC OT HOM HLTH/HOSPICE EA 15 MIN	7,568	2.94%
70	27130	CPT	TOTAL HIP ARTHROPLASTY	11,396	4.42%	87086	CPT	URINE CULTURE/COLONY COUNT	7,456	2.89%
71	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	11,361	4.41%	82374	CPT	ASSAY BLOOD CARBON DIOXIDE	7,428	2.88%
72	01214	CPT	ANESTH HIP ARTHROPLASTY	11,178	4.34%	70450	CPT	CT HEAD/BRAIN W/O DYE	7,142	2.77%
73	99211	CPT	OFFICE/OUTPATIENT VISIT EST	10,441	4.05%	97530	CPT	THERAPEUTIC ACTIVITIES	7,069	2.74%
74	93880	CPT	EXTRACRANIAL BILAT STUDY	10,276	3.99%	83540	CPT	ASSAY OF IRON	6,887	2.67%
75	36620	CPT	INSERTION CATHETER ARTERY	10,255	3.98%	96374	CPT	THER/PROPH/DIAG INJ IV PUSH	6,845	2.65%
76	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	9,786	3.80%	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	6,782	2.63%
77	88.72	ICD9	DIAGNOSTIC ULTRASOUND OF HEART	9,778	3.79%	96375	CPT	TX/PRO/DX INJ NEW DRUG ADDON	6,659	2.58%
78	99.04	ICD9	TRANSFUSION OF PACKED CELLS	9,706	3.76%	88305	CPT	TISSUE EXAM BY PATHOLOGIST	6,592	2.56%
79	84460	CPT	ALANINE AMINO (ALT) (SGPT)	9,675	3.75%	E0431	HCPCS	PRTBLE GASEOUS O2 SYS RENTAL;	6,422	2.49%
80	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	9,664	3.75%	82728	CPT	ASSAY OF FERRITIN	6,269	2.43%
81	84100	CPT	ASSAY OF PHOSPHORUS	9,012	3.50%	S9123	HCPCS	NRS CARE HOM; REGISTERED NURSE-HOUR	6,133	2.38%
82	74177	CPT	CT ABD & PELV W/CONTRAST	8,934	3.46%	97112	CPT	NEUROMUSCULAR REEDUCATION	6,089	2.36%
83	82553	CPT	CREATINE MB FRACTION	8,907	3.45%	99205	CPT	OFFICE/OUTPATIENT VISIT NEW	6,084	2.36%
84	93312	CPT	ECHO TRANSESOPHAGEAL	8,894	3.45%	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	6,059	2.35%

30 Days Prior to Incident Warfarin Use

30 Days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure (PX) Description	Users	% of Users	Px Code	Code Type	Procedure (PX) Description	Users	% of Users
85	A0428	HCPCS	AMB SERVICE BLS NONEMERG TRANSPORT	8,760	3.40%	82306	CPT	VITAMIN D 25 HYDROXY	6,057	2.35%
86	E1390	HCPCS	O2 CONC 85%>02 CONC PRSC FLW RATE	8,652	3.36%	E0935	HCPCS	CONT PSV MOT EXER DEVC KNEE ONLY	6,046	2.34%
87	76942	CPT	ECHO GUIDE FOR BIOPSY	8,650	3.35%	80076	CPT	HEPATIC FUNCTION PANEL	5,852	2.27%
88	99255	CPT	INPATIENT CONSULTATION	8,602	3.34%	81.54	ICD9	TOTAL KNEE REPLACEMENT	5,775	2.24%
89	96374	CPT	THER/PROPH/DIAG INJ IV PUSH	8,458	3.28%	86900	CPT	BLOOD TYPING ABO	5,627	2.18%
90	88304	CPT	TISSUE EXAM BY PATHOLOGIST	8,438	3.27%	84153	CPT	ASSAY OF PSA TOTAL	5,509	2.14%
91	93325	CPT	DOPPLER COLOR FLOW ADD-ON	8,389	3.25%	84100	CPT	ASSAY OF PHOSPHORUS	5,504	2.13%
92	78452	CPT	HT MUSCLE IMAGE SPECT MULT	8,311	3.22%	J1650	HCPCS	INJECTION ENOXAPARIN SODIUM 10 MG	5,392	2.09%
93	97110	CPT	THERAPEUTIC EXERCISES	7,902	3.06%	84439	CPT	ASSAY OF FREE THYROXINE	5,313	2.06%
94	64447	CPT	N BLOCK INJ FEM SINGLE	7,829	3.04%	78452	CPT	HT MUSCLE IMAGE SPECT MULT	5,222	2.03%
95	89240	CPT	PATHOLOGY LAB PROCEDURE	7,789	3.02%	71275	CPT	CT ANGIOGRAPHY CHEST	5,218	2.02%
96	85018	CPT	HEMOGLOBIN	7,727	3.00%	83550	CPT	IRON BINDING TEST	5,199	2.02%
97	87081	CPT	CULTURE SCREEN ONLY	7,700	2.99%	85652	CPT	RBC SED RATE AUTOMATED	5,130	1.99%
98	85014	CPT	HEMATOCRIT	7,649	2.97%	85018	CPT	HEMOGLOBIN	5,112	1.98%
99	99283	CPT	EMERGENCY DEPT VISIT	7,607	2.95%	E0163	HCPCS	COMMODE CHAIR WITH FIXED ARMS	4,963	1.92%
100	96375	CPT	TX/PRO/DX INJ NEW DRUG ADDON	7,429	2.88%	80050	CPT	GENERAL HEALTH PANEL	4,927	1.91%

Table 2a. Top 25 Prevalent International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout and Age Group

Rank	30 days Prior to Incident Warfarin Use				30 days Post-Incident Warfarin Use				
	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users	
183-Day Washout									
0-20 years									
<i>Total Number of Incident Warfarin Users</i>			1,581	100.00%				1,581	100.00%
1	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	104	6.58%	V72.60	LABORATORY_EXAMINATION_UNSPECI	69	4.36%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	61	3.86%	790.92	ABNORMAL_COAGULATION_PROFILE	53	3.35%	
3	794.31	NONSPECIFIC_ABNORMAL_ECG	47	2.97%	427.31	ATRIAL_FIBRILLATION	46	2.91%	
4	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	45	2.85%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	44	2.78%	
5	790.92	ABNORMAL_COAGULATION_PROFILE	33	2.09%	794.31	NONSPECIFIC_ABNORMAL_ECG	25	1.58%	
6	V72.81	PRE-OPERATIVE_CV_EXAMINATION	31	1.96%	998.59	OTHER_POSTOPERATIVE_INFECTION_	21	1.33%	
7	V72.60	LABORATORY_EXAMINATION_UNSPECI	26	1.64%	427.32	ATRIAL_FLUTTER	17	1.08%	
8	427.31	ATRIAL_FIBRILLATION	24	1.52%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	14	0.89%	
9	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	16	1.01%	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	10	0.63%	
10	998.59	OTHER_POSTOPERATIVE_INFECTION_	16	1.01%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	10	0.63%	
11	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	15	0.95%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	9	0.57%	
12	427.32	ATRIAL_FLUTTER	14	0.89%	V72.69	OTHER_LABORATORY_EXAMINATION	9	0.57%	
13	790.29	OTHER_ABNORMAL_GLUKOSE	14	0.89%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	9	0.57%	
14	427.69	OTHER_PREMATURE_BEATS	14	0.89%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	8	0.51%	
15	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	13	0.82%	427.69	OTHER_PREMATURE_BEATS	7	0.44%	
16	998.11	HEMORRHAGE_COMPLICATING_A_PROC	12	0.76%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	6	0.38%	
17	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	11	0.70%	427.81	SINOATRIAL_NODE_DYSFUNCTION	6	0.38%	
18	998.12	HEMATOMA_COMPLICATING_A_PROC_N	10	0.63%	790.29	OTHER_ABNORMAL_GLUKOSE	5	0.32%	
19	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	10	0.63%	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	5	0.32%	
20	427.81	SINOATRIAL_NODE_DYSFUNCTION	10	0.63%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	5	0.32%	
21	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	9	0.57%	459.10	POSTPHLEBITIC_SYND_WITHOUT_COM	5	0.32%	
22	287.49	OTHER_SECONDARY_THROMBOCYTOPEN	9	0.57%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	5	0.32%	
23	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	9	0.57%	998.89	OTHER_SPECIFIED_COMPLICATIONS_	4	0.25%	
24	V72.41	PREGNANCY_EXAM/TEST_NEG_RESULT	7	0.44%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	4	0.25%	
25	444.81	EMBOLISM&THROMBOSIS_OF_ILIAC_A	6	0.38%	V72.41	PREGNANCY_EXAM/TEST_NEG_RESULT	4	0.25%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users	
21-44 years									
<i>Total Number of Incident Warfarin Users</i>			27,351	100.00%				27,351	100.00%
1	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,786	6.53%	427.31	ATRIAL_FIBRILLATION	2,135	7.81%	
2	427.31	ATRIAL_FIBRILLATION	1,554	5.68%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,172	4.29%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,306	4.77%	790.92	ABNORMAL_COAGULATION_PROFILE	771	2.82%	
4	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,209	4.42%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	478	1.75%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	1,096	4.01%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	477	1.74%	
6	V72.81	PRE-OPERATIVE_CV_EXAMINATION	944	3.45%	794.31	NONSPECIFIC_ABNORMAL_ECG	459	1.68%	
7	V72.60	LABORATORY_EXAMINATION_UNSPECI	687	2.51%	427.32	ATRIAL_FLUTTER	322	1.18%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	472	1.73%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	278	1.02%	
9	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	423	1.55%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	262	0.96%	
10	427.32	ATRIAL_FLUTTER	348	1.27%	998.59	OTHER_POSTOPERATIVE_INFECTIO	235	0.86%	
11	790.92	ABNORMAL_COAGULATION_PROFILE	324	1.18%	790.29	OTHER_ABNORMAL_GLUCOSE	231	0.84%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	319	1.17%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	177	0.65%	
13	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	257	0.94%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	173	0.63%	
14	998.59	OTHER_POSTOPERATIVE_INFECTIO	251	0.92%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	137	0.50%	
15	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	236	0.86%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	132	0.48%	
16	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	224	0.82%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	130	0.48%	
17	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	183	0.67%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	114	0.42%	
18	427.81	SINOATRIAL_NODE_DYSFUNCTION	162	0.59%	427.81	SINOATRIAL_NODE_DYSFUNCTION	99	0.36%	
19	998.12	HEMATOMA_COMPLICATING_A_PROC_N	138	0.50%	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	98	0.36%	
20	427.69	OTHER_PREMATURE_BEATS	127	0.46%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	97	0.35%	
21	998.11	HEMORRHAGE_COMPLICATING_A_PROC	114	0.42%	427.69	OTHER_PREMATURE_BEATS	86	0.31%	
22	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	112	0.41%	V72.69	OTHER_LABORATORY_EXAMINATION	78	0.29%	
23	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	100	0.37%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	77	0.28%	
24	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	93	0.34%	998.11	HEMORRHAGE_COMPLICATING_A_PROC	70	0.26%	
25	444.89	EMBOLISM&THROMBOSIS_OTH_SPEC_A	87	0.32%	V72.62	LAB_EXAM_ORDR_PART_ROUTINE_MED	67	0.24%	

45-54 years

<i>Total Number of Incident Warfarin Users</i>			44,204	100.00%				44,204	100.00%
1	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	5,772	13.06%	427.31	ATRIAL_FIBRILLATION	6,830	15.45%	
2	427.31	ATRIAL_FIBRILLATION	5,392	12.20%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,729	3.91%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	4,557	10.31%	790.92	ABNORMAL_COAGULATION_PROFILE	1,103	2.50%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	3,438	7.78%	427.32	ATRIAL_FLUTTER	1,031	2.33%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	2,291	5.18%	794.31	NONSPECIFIC_ABNORMAL_ECG	976	2.21%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,839	4.16%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	785	1.78%	
7	427.32	ATRIAL_FLUTTER	1,081	2.45%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	687	1.55%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	1,077	2.44%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	595	1.35%	
9	V72.60	LABORATORY_EXAMINATION_UNSPECI	977	2.21%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	525	1.19%	
10	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	873	1.97%	790.29	OTHER_ABNORMAL_GLUCOSE	502	1.14%	
11	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	721	1.63%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	469	1.06%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	569	1.29%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	421	0.95%
13	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	519	1.17%	998.59	OTHER_POSTOPERATIVE_INFECTIO	385	0.87%
14	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	428	0.97%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	275	0.62%
15	790.92	ABNORMAL_COAGULATION_PROFILE	399	0.90%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	248	0.56%
16	427.81	SINOATRIAL_NODE_DYSFUNCTION	321	0.73%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	207	0.47%
17	998.59	OTHER_POSTOPERATIVE_INFECTIO	319	0.72%	427.81	SINOATRIAL_NODE_DYSFUNCTION	204	0.46%
18	427.69	OTHER_PREMATURE_BEATS	264	0.60%	427.69	OTHER_PREMATURE_BEATS	172	0.39%
19	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	233	0.53%	790.21	IMPAIRED_FASTING_GLUCOSE	171	0.39%
20	790.21	IMPAIRED_FASTING_GLUCOSE	218	0.49%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	163	0.37%
21	998.12	HEMATOMA_COMPLICATING_A_PROC_N	200	0.45%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	147	0.33%
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	180	0.41%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	131	0.30%
23	998.11	HEMORRHAGE_COMPLICATING_A_PROC	174	0.39%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	125	0.28%
24	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	157	0.36%	V72.69	OTHER_LABORATORY_EXAMINATION	117	0.26%
25	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	149	0.34%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	112	0.25%

55-64 years

<i>Total Number of Incident Warfarin Users</i>			82,161	100.00%				82,161	100.00%
1	427.31	ATRIAL_FIBRILLATION	15,896	19.35%	427.31	ATRIAL_FIBRILLATION	19,731	24.02%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	12,512	15.23%	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,713	3.30%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	10,090	12.28%	427.32	ATRIAL_FLUTTER	2,691	3.28%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	7,876	9.59%	794.31	NONSPECIFIC_ABNORMAL_ECG	2,058	2.50%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	4,922	5.99%	790.92	ABNORMAL_COAGULATION_PROFILE	1,809	2.20%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,547	4.32%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,608	1.96%	
7	427.32	ATRIAL_FLUTTER	2,873	3.50%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,459	1.78%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	2,222	2.70%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,389	1.69%	
9	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,054	2.50%	790.29	OTHER_ABNORMAL_GLUCOSE	1,069	1.30%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,708	2.08%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	968	1.18%	
11	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,632	1.99%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	881	1.07%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,066	1.30%	998.59	OTHER_POSTOPERATIVE_INFECTIO	720	0.88%	
13	427.81	SINOATRIAL_NODE_DYSFUNCTION	893	1.09%	427.81	SINOATRIAL_NODE_DYSFUNCTION	613	0.75%	
14	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	776	0.94%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	475	0.58%	
15	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	732	0.89%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	452	0.55%	
16	427.69	OTHER_PREMATURE_BEATS	703	0.86%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	412	0.50%	
17	790.92	ABNORMAL_COAGULATION_PROFILE	702	0.85%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	405	0.49%	
18	790.21	IMPAIRED_FASTING_GLUCOSE	628	0.76%	790.21	IMPAIRED_FASTING_GLUCOSE	390	0.47%	
19	998.59	OTHER_POSTOPERATIVE_INFECTIO	575	0.70%	427.69	OTHER_PREMATURE_BEATS	374	0.46%	
20	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	438	0.53%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	316	0.38%	
21	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	436	0.53%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	309	0.38%	
22	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	420	0.51%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	299	0.36%	
23	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	387	0.47%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	263	0.32%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users	
24	998.12	HEMATOMA_COMPLICATING_A_PROC_N	370	0.45%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	204	0.25%	
25	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	333	0.41%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	202	0.25%	
65-74 years									
<i>Total Number of Incident Warfarin Users</i>			<i>85,818</i>	<i>100.00%</i>				<i>85,818</i>	<i>100.00%</i>
1	427.31	ATRIAL_FIBRILLATION	26,729	31.15%	427.31	ATRIAL_FIBRILLATION	31,720	36.96%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	8,853	10.32%	427.32	ATRIAL_FLUTTER	3,593	4.19%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	7,720	9.00%	794.31	NONSPECIFIC_ABNORMAL_ECG	2,651	3.09%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	5,947	6.93%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	2,150	2.51%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	5,404	6.30%	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,057	2.40%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	4,411	5.14%	790.92	ABNORMAL_COAGULATION_PROFILE	1,906	2.22%	
7	427.32	ATRIAL_FLUTTER	4,109	4.79%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,546	1.80%	
8	790.29	OTHER_ABNORMAL_GLUCCOSE	2,511	2.93%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,364	1.59%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,696	1.98%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,356	1.58%	
10	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	1,461	1.70%	790.29	OTHER_ABNORMAL_GLUCCOSE	1,314	1.53%	
11	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,269	1.48%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	977	1.14%	
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,246	1.45%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	943	1.10%	
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,203	1.40%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	693	0.81%	
14	427.69	OTHER_PREMATURE_BEATS	917	1.07%	998.59	OTHER_POSTOPERATIVE_INFECTIO	596	0.69%	
15	790.92	ABNORMAL_COAGULATION_PROFILE	864	1.01%	427.69	OTHER_PREMATURE_BEATS	525	0.61%	
16	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	701	0.82%	790.21	IMPAIRED_FASTING_GLUCCOSE	524	0.61%	
17	790.21	IMPAIRED_FASTING_GLUCCOSE	678	0.79%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	389	0.45%	
18	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	625	0.73%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	320	0.37%	
19	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	510	0.59%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	295	0.34%	
20	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	491	0.57%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	281	0.33%	
21	998.59	OTHER_POSTOPERATIVE_INFECTIO	467	0.54%	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	280	0.33%	
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	465	0.54%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	264	0.31%	
23	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	455	0.53%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	257	0.30%	
24	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	351	0.41%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	247	0.29%	
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	314	0.37%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	243	0.28%	

75-84 years

<i>Total Number of Incident Warfarin Users</i>			<i>76,869</i>	<i>100.00%</i>				<i>76,869</i>	<i>100.00%</i>
1	427.31	ATRIAL_FIBRILLATION	31,949	41.56%	427.31	ATRIAL_FIBRILLATION	37,088	48.25%	
2	794.31	NONSPECIFIC_ABNORMAL_ECG	4,590	5.97%	427.32	ATRIAL_FLUTTER	3,301	4.29%	
3	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	4,363	5.68%	794.31	NONSPECIFIC_ABNORMAL_ECG	2,438	3.17%	
4	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	4,211	5.48%	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,204	2.87%	
5	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	4,125	5.37%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	2,180	2.84%	
6	427.32	ATRIAL_FLUTTER	3,847	5.00%	790.92	ABNORMAL_COAGULATION_PROFILE	1,819	2.37%	
7	V72.81	PRE-OPERATIVE_CV_EXAMINATION	3,075	4.00%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,721	2.24%	
8	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,551	3.32%	790.29	OTHER_ABNORMAL_GLUCCOSE	1,152	1.50%	
9	790.29	OTHER_ABNORMAL_GLUCCOSE	2,028	2.64%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,020	1.33%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,089	1.42%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	969	1.26%
11	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,088	1.42%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	929	1.21%
12	427.69	OTHER_PREMATURE_BEATS	878	1.14%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	696	0.91%
13	790.92	ABNORMAL_COAGULATION_PROFILE	806	1.05%	427.69	OTHER_PREMATURE_BEATS	554	0.72%
14	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	651	0.85%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	525	0.68%
15	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	620	0.81%	790.21	IMPAIRED_FASTING_GLUCOSE	375	0.49%
16	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	549	0.71%	998.59	OTHER_POSTOPERATIVE_INFECTION_	326	0.42%
17	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	516	0.67%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	300	0.39%
18	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	510	0.66%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	295	0.38%
19	790.21	IMPAIRED_FASTING_GLUCOSE	469	0.61%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	241	0.31%
20	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	447	0.58%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	239	0.31%
21	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	377	0.49%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	230	0.30%
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	318	0.41%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	203	0.26%
23	998.59	OTHER_POSTOPERATIVE_INFECTION_	313	0.41%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	202	0.26%
24	998.12	HEMATOMA_COMPLICATING_A_PROC_N	269	0.35%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	190	0.25%
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	266	0.35%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	188	0.24%

≥85 years

<i>Total Number of Incident Warfarin Users</i>			28,179	100.00%				28,179	100.00%
1	427.31	ATRIAL_FIBRILLATION	12,355	43.84%	427.31	ATRIAL_FIBRILLATION	14,037	49.81%	
2	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,359	4.82%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,030	3.66%	
3	794.31	NONSPECIFIC_ABNORMAL_ECG	1,344	4.77%	427.32	ATRIAL_FLUTTER	1,012	3.59%	
4	427.32	ATRIAL_FLUTTER	1,233	4.38%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	795	2.82%	
5	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,170	4.15%	794.31	NONSPECIFIC_ABNORMAL_ECG	703	2.49%	
6	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	695	2.47%	790.92	ABNORMAL_COAGULATION_PROFILE	701	2.49%	
7	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	624	2.21%	V72.60	LABORATORY_EXAMINATION_UNSPECI	656	2.33%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	595	2.11%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	431	1.53%	
9	V72.81	PRE-OPERATIVE_CV_EXAMINATION	541	1.92%	790.29	OTHER_ABNORMAL_GLUCOSE	382	1.36%	
10	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	443	1.57%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	224	0.79%	
11	V72.60	LABORATORY_EXAMINATION_UNSPECI	399	1.42%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	188	0.67%	
12	790.92	ABNORMAL_COAGULATION_PROFILE	363	1.29%	427.69	OTHER_PREMATURE_BEATS	173	0.61%	
13	427.69	OTHER_PREMATURE_BEATS	281	1.00%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	156	0.55%	
14	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	235	0.83%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	150	0.53%	
15	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	191	0.68%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	117	0.42%	
16	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	180	0.64%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	112	0.40%	
17	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	117	0.42%	790.21	IMPAIRED_FASTING_GLUCOSE	105	0.37%	
18	790.21	IMPAIRED_FASTING_GLUCOSE	107	0.38%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	105	0.37%	
19	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	84	0.30%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	93	0.33%	
20	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	78	0.28%	998.59	OTHER_POSTOPERATIVE_INFECTION_	81	0.29%	
21	998.12	HEMATOMA_COMPLICATING_A_PROC_N	78	0.28%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	67	0.24%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
22	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	76	0.27%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	59	0.21%
23	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	69	0.24%	V72.85	OTHER_SPECIFIED_EXAMINATION	50	0.18%
24	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	63	0.22%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	41	0.15%
25	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	62	0.22%	998.11	HEMORRHAGE_COMPLICATING_A_PROC	40	0.14%

365-Day Washout
0-20 years

<i>Total Number of Incident Warfarin Users</i>			1,299	100.00%				1,299	100.00%
1	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	92	7.08%	V72.60	LABORATORY_EXAMINATION_UNSPECI	58	4.46%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	51	3.93%	790.92	ABNORMAL_COAGULATION_PROFILE	45	3.46%	
3	794.31	NONSPECIFIC_ABNORMAL_ECG	40	3.08%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	37	2.85%	
4	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	40	3.08%	427.31	ATRIAL_FIBRILLATION	35	2.69%	
5	790.92	ABNORMAL_COAGULATION_PROFILE	28	2.16%	794.31	NONSPECIFIC_ABNORMAL_ECG	20	1.54%	
6	V72.81	PRE-OPERATIVE_CV_EXAMINATION	24	1.85%	998.59	OTHER_POSTOPERATIVE_INFECTIO	20	1.54%	
7	V72.60	LABORATORY_EXAMINATION_UNSPECI	22	1.69%	427.32	ATRIAL_FLUTTER	11	0.85%	
8	427.31	ATRIAL_FIBRILLATION	19	1.46%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	11	0.85%	
9	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	14	1.08%	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	9	0.69%	
10	998.59	OTHER_POSTOPERATIVE_INFECTIO	14	1.08%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	9	0.69%	
11	790.29	OTHER_ABNORMAL_GLUCCOSE	12	0.92%	V72.69	OTHER_LABORATORY_EXAMINATION	9	0.69%	
12	427.69	OTHER_PREMATURE_BEATS	12	0.92%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	9	0.69%	
13	427.32	ATRIAL_FLUTTER	11	0.85%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	8	0.62%	
14	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	11	0.85%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	6	0.46%	
15	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	10	0.77%	427.81	SINOATRIAL_NODE_DYSFUNCTION	6	0.46%	
16	998.11	HEMORRHAGE_COMPLICATING_A_PROC	9	0.69%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	5	0.38%	
17	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	9	0.69%	790.29	OTHER_ABNORMAL_GLUCCOSE	5	0.38%	
18	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	9	0.69%	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	5	0.38%	
19	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	9	0.69%	427.69	OTHER_PREMATURE_BEATS	5	0.38%	
20	427.81	SINOATRIAL_NODE_DYSFUNCTION	9	0.69%	459.10	POSTPHLEBITIC_SYND_WITHOUT_COM	5	0.38%	
21	998.12	HEMATOMA_COMPLICATING_A_PROC_N	8	0.62%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	5	0.38%	
22	287.49	OTHER_SECONDARY_THROMBOCYTOPEN	8	0.62%	998.89	OTHER_SPECIFIED_COMPLICATIONS	4	0.31%	
23	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	7	0.54%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	4	0.31%	
24	V72.41	PREGNANCY_EXAM/TEST_NEG_RESULT	6	0.46%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	4	0.31%	
25	444.81	EMBOLISM&THROMBOSIS_OF_ILIAC_A	4	0.31%	V72.41	PREGNANCY_EXAM/TEST_NEG_RESULT	4	0.31%	

21-44 years

<i>Total Number of Incident Warfarin Users</i>			20,865	100.00%				20,865	100.00%
1	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,472	7.05%	427.31	ATRIAL_FIBRILLATION	1,642	7.87%	
2	427.31	ATRIAL_FIBRILLATION	1,193	5.72%	V72.60	LABORATORY_EXAMINATION_UNSPECI	958	4.59%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,113	5.33%	790.92	ABNORMAL_COAGULATION_PROFILE	621	2.98%	
4	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	988	4.74%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	380	1.82%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	914	4.38%	794.31	NONSPECIFIC_ABNORMAL_ECG	362	1.73%	
6	V72.81	PRE-OPERATIVE_CV_EXAMINATION	786	3.77%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	358	1.72%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
7	V72.60	LABORATORY_EXAMINATION_UNSPECI	558	2.67%	427.32	ATRIAL_FLUTTER	259	1.24%
8	790.29	OTHER_ABNORMAL_GLUKOSE	392	1.88%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	219	1.05%
9	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	324	1.55%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	203	0.97%
10	427.32	ATRIAL_FLUTTER	282	1.35%	998.59	OTHER_POSTOPERATIVE_INFECTIO	192	0.92%
11	790.92	ABNORMAL_COAGULATION_PROFILE	263	1.26%	790.29	OTHER_ABNORMAL_GLUKOSE	185	0.89%
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	244	1.17%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	141	0.68%
13	998.59	OTHER_POSTOPERATIVE_INFECTIO	205	0.98%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	138	0.66%
14	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	204	0.98%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	110	0.53%
15	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	184	0.88%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	107	0.51%
16	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	180	0.86%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	105	0.50%
17	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	153	0.73%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	93	0.45%
18	427.81	SINOATRIAL_NODE_DYSFUNCTION	129	0.62%	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	83	0.40%
19	998.12	HEMATOMA_COMPLICATING_A_PROC_N	120	0.58%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	76	0.36%
20	427.69	OTHER_PREMATURE_BEATS	96	0.46%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	70	0.34%
21	998.11	HEMORRHAGE_COMPLICATING_A_PROC	95	0.46%	427.69	OTHER_PREMATURE_BEATS	69	0.33%
22	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	92	0.44%	427.81	SINOATRIAL_NODE_DYSFUNCTION	68	0.33%
23	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	77	0.37%	V72.69	OTHER_LABORATORY_EXAMINATION	61	0.29%
24	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	76	0.36%	998.11	HEMORRHAGE_COMPLICATING_A_PROC	54	0.26%
25	444.89	EMBOLISM&THROMBOSIS_OTH_SPEC_A	75	0.36%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	52	0.25%

45-54 years

<i>Total Number of Incident Warfarin Users</i>			34,631	100.00%	<i>Total Number of Incident Warfarin Users</i>			34,631	100.00%
1	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	4,974	14.36%	427.31	ATRIAL_FIBRILLATION	5,331	15.39%	
2	427.31	ATRIAL_FIBRILLATION	4,102	11.84%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,449	4.18%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	3,969	11.46%	790.92	ABNORMAL_COAGULATION_PROFILE	926	2.67%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	2,973	8.58%	427.32	ATRIAL_FLUTTER	833	2.41%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	1,965	5.67%	794.31	NONSPECIFIC_ABNORMAL_ECG	807	2.33%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,576	4.55%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	642	1.85%	
7	790.29	OTHER_ABNORMAL_GLUKOSE	920	2.66%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	560	1.62%	
8	427.32	ATRIAL_FLUTTER	905	2.61%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	502	1.45%	
9	V72.60	LABORATORY_EXAMINATION_UNSPECI	807	2.33%	790.29	OTHER_ABNORMAL_GLUKOSE	419	1.21%	
10	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	748	2.16%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	408	1.18%	
11	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	617	1.78%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	373	1.08%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	457	1.32%	998.59	OTHER_POSTOPERATIVE_INFECTIO	328	0.95%	
13	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	408	1.18%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	322	0.93%	
14	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	349	1.01%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	227	0.66%	
15	790.92	ABNORMAL_COAGULATION_PROFILE	306	0.88%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	206	0.59%	
16	998.59	OTHER_POSTOPERATIVE_INFECTIO	276	0.80%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	155	0.45%	
17	427.81	SINOATRIAL_NODE_DYSFUNCTION	260	0.75%	427.81	SINOATRIAL_NODE_DYSFUNCTION	153	0.44%	
18	427.69	OTHER_PREMATURE_BEATS	223	0.64%	427.69	OTHER_PREMATURE_BEATS	143	0.41%	

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
19	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	192	0.55%	790.21	IMPAIRED_FASTING_GLUCOSE	141	0.41%
20	790.21	IMPAIRED_FASTING_GLUCOSE	180	0.52%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	135	0.39%
21	998.12	HEMATOMA_COMPLICATING_A_PROC_N	175	0.51%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	126	0.36%
22	998.11	HEMORRHAGE_COMPLICATING_A_PROC	147	0.42%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	105	0.30%
23	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	146	0.42%	V72.69	OTHER_LABORATORY_EXAMINATION	103	0.30%
24	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	139	0.40%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	100	0.29%
25	V72.86	ENCOUNTER_FOR_BLOOD_TYPING	125	0.36%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	93	0.27%

55-64 years

Total Number of Incident Warfarin Users				Total Number of Incident Warfarin Users					
Rank	DX Code	Diagnosis Description	Users	% of Users	Rank	DX Code	Diagnosis Description	Users	% of Users
		notfound	64,011	100.00%			_notfound_	64,011	100.00%
1		_notfound_	59,070	92.28%	1		_notfound_	61,776	96.51%
2	427.31	ATRIAL_FIBRILLATION	11,808	18.45%	2	427.31	ATRIAL_FIBRILLATION	15,019	23.46%
3	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	10,941	17.09%	3	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,301	3.59%
4	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	9,024	14.10%	4	427.32	ATRIAL_FLUTTER	2,199	3.44%
5	V72.81	PRE-OPERATIVE_CV_EXAMINATION	6,888	10.76%	5	794.31	NONSPECIFIC_ABNORMAL_ECG	1,737	2.71%
6	794.31	NONSPECIFIC_ABNORMAL_ECG	4,249	6.64%	6	790.92	ABNORMAL_COAGULATION_PROFILE	1,502	2.35%
7	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,044	4.76%	7	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,355	2.12%
8	427.32	ATRIAL_FLUTTER	2,400	3.75%	8	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,210	1.89%
9	790.29	OTHER_ABNORMAL_GLUCOSE	1,939	3.03%	9	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,197	1.87%
10	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	1,791	2.80%	10	790.29	OTHER_ABNORMAL_GLUCOSE	909	1.42%
11	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,413	2.21%	11	V72.81	PRE-OPERATIVE_CV_EXAMINATION	815	1.27%
12	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,397	2.18%	12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	682	1.07%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	871	1.36%	13	998.59	OTHER_POSTOPERATIVE_INFECTIO	587	0.92%
14	427.81	SINOATRIAL_NODE_DYSFUNCTION	688	1.07%	14	427.81	SINOATRIAL_NODE_DYSFUNCTION	472	0.74%
15	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	643	1.00%	15	998.83	NON-HEALING_SURGICAL_WOUND_NEC	375	0.59%
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	606	0.95%	16	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	357	0.56%
17	427.69	OTHER_PREMATURE_BEATS	587	0.92%	17	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	331	0.52%
18	790.92	ABNORMAL_COAGULATION_PROFILE	558	0.87%	18	790.21	IMPAIRED_FASTING_GLUCOSE	315	0.49%
19	790.21	IMPAIRED_FASTING_GLUCOSE	528	0.82%	19	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	314	0.49%
20	998.59	OTHER_POSTOPERATIVE_INFECTIO	469	0.73%	20	427.69	OTHER_PREMATURE_BEATS	299	0.47%
21	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	380	0.59%	21	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	263	0.41%
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	379	0.59%	22	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	255	0.40%
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	370	0.58%	23	998.12	HEMATOMA_COMPLICATING_A_PROC_N	249	0.39%
24	998.12	HEMATOMA_COMPLICATING_A_PROC_N	313	0.49%	24	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	223	0.35%
25	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	306	0.48%	25	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	170	0.27%

65-74 years

Total Number of Incident Warfarin Users				Total Number of Incident Warfarin Users					
Rank	DX Code	Diagnosis Description	Users	% of Users	Rank	DX Code	Diagnosis Description	Users	% of Users
			62,707	100.00%				62,707	100.00%
1	427.31	ATRIAL_FIBRILLATION	18,689	29.80%	1	427.31	ATRIAL_FIBRILLATION	22,842	36.43%
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	7,688	12.26%	2	V72.32	ATRIAL_FLUTTER	2,952	4.71%
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	6,860	10.94%	3	794.31	NONSPECIFIC_ABNORMAL_ECG	2,175	3.47%
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	5,169	8.24%	4	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,784	2.84%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
5	794.31	NONSPECIFIC_ABNORMAL_ECG	4,618	7.36%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,701	2.71%
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,762	6.00%	790.92	ABNORMAL_COAGULATION_PROFILE	1,541	2.46%
7	427.32	ATRIAL_FLUTTER	3,406	5.43%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,271	2.03%
8	790.29	OTHER_ABNORMAL_GLUCOSE	2,169	3.46%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,145	1.83%
9	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	1,263	2.01%	790.29	OTHER_ABNORMAL_GLUCOSE	1,081	1.72%
10	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,257	2.00%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,010	1.61%
11	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,078	1.72%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	783	1.25%
12	V72.60	LABORATORY_EXAMINATION_UNSPECI	995	1.59%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	712	1.14%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	955	1.52%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	511	0.81%
14	427.69	OTHER_PREMATURE_BEATS	769	1.23%	998.59	OTHER_POSTOPERATIVE_INFECTION_	496	0.79%
15	790.92	ABNORMAL_COAGULATION_PROFILE	647	1.03%	427.69	OTHER_PREMATURE_BEATS	425	0.68%
16	790.21	IMPAIRED_FASTING_GLUCOSE	555	0.89%	790.21	IMPAIRED_FASTING_GLUCOSE	404	0.64%
17	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	524	0.84%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	321	0.51%
18	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	518	0.83%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	262	0.42%
19	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	434	0.69%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	247	0.39%
20	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	432	0.69%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	243	0.39%
21	998.59	OTHER_POSTOPERATIVE_INFECTION_	395	0.63%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	226	0.36%
22	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	394	0.63%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	224	0.36%
23	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	384	0.61%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	207	0.33%
24	998.11	HEMORRHAGE_COMPLICATING_A_PROC	275	0.44%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	194	0.31%
25	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	261	0.42%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	189	0.30%

75-84 years

<i>Total Number of Incident Warfarin Users</i>			54,594	100.00%	<i>Total Number of Incident Warfarin Users</i>			54,594	100.00%
1	427.31	ATRIAL_FIBRILLATION	22,179	40.63%	427.31	ATRIAL_FIBRILLATION	26,657	48.83%	
2	794.31	NONSPECIFIC_ABNORMAL_ECG	4,034	7.39%	427.32	ATRIAL_FLUTTER	2,765	5.06%	
3	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	3,889	7.12%	794.31	NONSPECIFIC_ABNORMAL_ECG	2,054	3.76%	
4	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	3,822	7.00%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,812	3.32%	
5	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,586	6.57%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,596	2.92%	
6	427.32	ATRIAL_FLUTTER	3,290	6.03%	790.92	ABNORMAL_COAGULATION_PROFILE	1,473	2.70%	
7	V72.81	PRE-OPERATIVE_CV_EXAMINATION	2,720	4.98%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,413	2.59%	
8	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,954	3.58%	790.29	OTHER_ABNORMAL_GLUCOSE	939	1.72%	
9	790.29	OTHER_ABNORMAL_GLUCOSE	1,765	3.23%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	857	1.57%	
10	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	856	1.57%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	761	1.39%	
11	V72.60	LABORATORY_EXAMINATION_UNSPECI	815	1.49%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	715	1.31%	
12	427.69	OTHER_PREMATURE_BEATS	767	1.40%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	560	1.03%	
13	790.92	ABNORMAL_COAGULATION_PROFILE	605	1.11%	427.69	OTHER_PREMATURE_BEATS	479	0.88%	
14	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	573	1.05%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	374	0.69%	
15	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	555	1.02%	790.21	IMPAIRED_FASTING_GLUCOSE	296	0.54%	
16	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	467	0.86%	998.59	OTHER_POSTOPERATIVE_INFECTION_	280	0.51%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
17	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	457	0.84%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	264	0.48%
18	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	401	0.73%	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	251	0.46%
19	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	398	0.73%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	208	0.38%
20	790.21	IMPAIRED_FASTING_GLUCOSE	389	0.71%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	197	0.36%
21	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	322	0.59%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	177	0.32%
22	998.59	OTHER_POSTOPERATIVE_INFECTIO	273	0.50%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	176	0.32%
23	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	262	0.48%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	160	0.29%
24	998.11	HEMORRHAGE_COMPLICATING_A_PROC	244	0.45%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	159	0.29%
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	237	0.43%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	142	0.26%

≥85 years

<i>Total Number of Incident Warfarin Users</i>			19,731	100.00%	<i>Total Number of Incident Warfarin Users</i>			19,731	100.00%
1	427.31	ATRIAL_FIBRILLATION	8,551	43.34%	427.31	ATRIAL_FIBRILLATION	10,076	51.07%	
2	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,204	6.10%	427.32	ATRIAL_FLUTTER	854	4.33%	
3	794.31	NONSPECIFIC_ABNORMAL_ECG	1,171	5.93%	427.81	SINOATRIAL_NODE_DYSFUNCTION	756	3.83%	
4	427.32	ATRIAL_FLUTTER	1,066	5.40%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	656	3.32%	
5	427.81	SINOATRIAL_NODE_DYSFUNCTION	913	4.63%	794.31	NONSPECIFIC_ABNORMAL_ECG	593	3.01%	
6	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	622	3.15%	790.92	ABNORMAL_COAGULATION_PROFILE	577	2.92%	
7	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	554	2.81%	V72.60	LABORATORY_EXAMINATION_UNSPECI	544	2.76%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	520	2.64%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	329	1.67%	
9	V72.81	PRE-OPERATIVE_CV_EXAMINATION	481	2.44%	790.29	OTHER_ABNORMAL_GLUCOSE	307	1.56%	
10	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	345	1.75%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	192	0.97%	
11	V72.60	LABORATORY_EXAMINATION_UNSPECI	289	1.46%	427.69	OTHER_PREMATURE_BEATS	156	0.79%	
12	790.92	ABNORMAL_COAGULATION_PROFILE	286	1.45%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	147	0.75%	
13	427.69	OTHER_PREMATURE_BEATS	249	1.26%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	128	0.65%	
14	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	209	1.06%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	127	0.64%	
15	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	166	0.84%	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	100	0.51%	
16	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	165	0.84%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	87	0.44%	
17	790.21	IMPAIRED_FASTING_GLUCOSE	88	0.45%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	87	0.44%	
18	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	86	0.44%	790.21	IMPAIRED_FASTING_GLUCOSE	80	0.41%	
19	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	71	0.36%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	76	0.39%	
20	444.21	EMBO&THROMBOSIS_ART_UPPER_EXTR	70	0.35%	998.59	OTHER_POSTOPERATIVE_INFECTIO	71	0.36%	
21	998.12	HEMATOMA_COMPLICATING_A_PROC_N	68	0.34%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	53	0.27%	
22	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	66	0.33%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	45	0.23%	
23	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	59	0.30%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	38	0.19%	
24	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	56	0.28%	V72.85	OTHER_SPECIFIED_EXAMINATION	35	0.18%	
25	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	54	0.27%	429.89	OTHER_ILL-DEFINED_HEART_DISEAS	31	0.16%	

Table 2b. Top 50 Prevalent Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS), and International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Procedure Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout and Age Group

Rank	30 days Prior to Incident Warfarin Use					30 days Post-Incident Warfarin Use					
	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users	
183-Day Washout											
0-20 years											
<i>Total Number of Incident Warfarin Users</i>				1,581	100.00%					1,581	100.00%
1	99232	CPT	SUBSEQUENT HOSPITAL CARE	550	34.79%	85610	CPT	PROTHROMBIN TIME	1,222	77.29%	
2	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	539	34.09%	36415	CPT	ROUTINE VENIPUNCTURE	725	45.86%	
3	85610	CPT	PROTHROMBIN TIME	478	30.23%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	670	42.38%	
4	99285	CPT	EMERGENCY DEPT VISIT	426	26.94%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	622	39.34%	
5	99233	CPT	SUBSEQUENT HOSPITAL CARE	421	26.63%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	475	30.04%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	403	25.49%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	274	17.33%	
7	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	395	24.98%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	246	15.56%	
8	93010	CPT	ELECTROCARDIOGRAM REPORT	391	24.73%	80053	CPT	COMPREHEN METABOLIC PANEL	236	14.93%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	374	23.66%	93971	CPT	EXTREMITY STUDY	228	14.42%	
10	99223	CPT	INITIAL HOSPITAL CARE	369	23.34%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	206	13.03%	
11	36415	CPT	ROUTINE VENIPUNCTURE	361	22.83%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	191	12.08%	
12	99214	CPT	OFFICE/OUTPATIENT VISIT EST	340	21.51%	99284	CPT	EMERGENCY DEPT VISIT	183	11.57%	
13	93971	CPT	EXTREMITY STUDY	329	20.81%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	178	11.26%	
14	85730	CPT	THROMBOPLASTIN TIME PARTIAL	296	18.72%	85027	CPT	COMPLETE CBC AUTOMATED	164	10.37%	
15	99231	CPT	SUBSEQUENT HOSPITAL CARE	280	17.71%	97110	CPT	THERAPEUTIC EXERCISES	156	9.87%	
16	93970	CPT	EXTREMITY STUDY	271	17.14%	89240	CPT	PATHOLOGY LAB PROCEDURE	155	9.80%	
17	80053	CPT	COMPREHEN METABOLIC PANEL	268	16.95%	99285	CPT	EMERGENCY DEPT VISIT	155	9.80%	
18	99238	CPT	HOSPITAL DISCHARGE DAY	256	16.19%	80048	CPT	METABOLIC PANEL TOTAL CA	148	9.36%	
19	99284	CPT	EMERGENCY DEPT VISIT	250	15.81%	93010	CPT	ELECTROCARDIOGRAM REPORT	146	9.23%	
20	99291	CPT	CRITICAL CARE FIRST HOUR	243	15.37%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	134	8.48%	
21	80048	CPT	METABOLIC PANEL TOTAL CA	236	14.93%	97001	CPT	PT EVALUATION	126	7.97%	
22	71275	CPT	CT ANGIOGRAPHY CHEST	227	14.36%	36416	CPT	CAPILLARY BLOOD DRAW	119	7.53%	
23	99239	CPT	HOSPITAL DISCHARGE DAY	224	14.17%	99283	CPT	EMERGENCY DEPT VISIT	117	7.40%	
24	85027	CPT	COMPLETE CBC AUTOMATED	205	12.97%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	116	7.34%	
25	99222	CPT	INITIAL HOSPITAL CARE	199	12.59%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	109	6.89%	
26	71260	CPT	CT THORAX W/DYE	195	12.33%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	109	6.89%	
27	93306	CPT	TTE W/DOPPLER COMPLETE	192	12.14%	99238	CPT	HOSPITAL DISCHARGE DAY	105	6.64%	
28	99254	CPT	INPATIENT CONSULTATION	186	11.76%	82565	CPT	ASSAY OF CREATININE	104	6.58%	

CPT= Current Procedural Terminology

HCPCS= Healthcare Common Procedure Coding System

ICD9= International Classification of Diseases, Ninth Revision

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
29	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	176	11.13%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	104	6.58%
30	99255	CPT	INPATIENT CONSULTATION	147	9.30%	93005	CPT	ELECTROCARDIOGRAM TRACING	101	6.39%
31	99283	CPT	EMERGENCY DEPT VISIT	145	9.17%	83912	CPT	GENETIC EXAMINATION	100	6.33%
32	93325	CPT	DOPPLER COLOR FLOW ADD-ON	142	8.98%	86147	CPT	CARDIOLIPIN ANTIBODY EA IG	95	6.01%
33	81001	CPT	URINALYSIS AUTO W/SCOPE	141	8.92%	99232	CPT	SUBSEQUENT HOSPITAL CARE	93	5.88%
34	70450	CPT	CT HEAD/BRAIN W/O DYE	131	8.29%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	91	5.76%
35	82565	CPT	ASSAY OF CREATININE	131	8.29%	83891	CPT	MOLECULE ISOLATE NUCLEIC	87	5.50%
36	74177	CPT	CT ABD & PELV W/CONTRAST	130	8.22%	93325	CPT	DOPPLER COLOR FLOW ADD-ON	86	5.44%
37	99253	CPT	INPATIENT CONSULTATION	126	7.97%	83898	CPT	MOLECULE NUCLEIC AMPLI EACH	80	5.06%
38	81003	CPT	URINALYSIS AUTO W/O SCOPE	125	7.91%	85300	CPT	ANTITHROMBIN III ACTIVITY	77	4.87%
39	83735	CPT	ASSAY OF MAGNESIUM	121	7.65%	99244	CPT	OFFICE CONSULTATION	75	4.74%
40	93320	CPT	DOPPLER ECHO EXAM HEART	113	7.15%	71275	CPT	CT ANGIOGRAPHY CHEST	74	4.68%
41	36620	CPT	INSERTION CATHETER ARTERY	112	7.08%	99233	CPT	SUBSEQUENT HOSPITAL CARE	73	4.62%
42	84520	CPT	ASSAY OF UREA NITROGEN	112	7.08%	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	70	4.43%
43	86900	CPT	BLOOD TYPING ABO	109	6.89%	83090	CPT	ASSAY OF HOMOCYSTINE	66	4.17%
44	86901	CPT	BLOOD TYPING RH (D)	108	6.83%	96374	CPT	THER/PROPH/DIAG INJ IV PUSH	65	4.11%
45	99215	CPT	OFFICE/OUTPATIENT VISIT EST	105	6.64%	93970	CPT	EXTREMITY STUDY	64	4.05%
46	93000	CPT	ELECTROCARDIOGRAM COMPLETE	104	6.58%	J2405	HCPCS	INJECTION ONDANSETRON HCL PER 1 MG	64	4.05%
47	93005	CPT	ELECTROCARDIOGRAM TRACING	104	6.58%	85303	CPT	CLOT INHIBIT PROT C ACTIVITY	63	3.98%
48	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	98	6.20%	76499	CPT	RADIOGRAPHIC PROCEDURE	62	3.92%
49	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVL 1	97	6.14%	85613	CPT	RUSSELL VIPER VENOM DILUTED	62	3.92%
50	86850	CPT	RBC ANTIBODY SCREEN	96	6.07%	93320	CPT	DOPPLER ECHO EXAM HEART	60	3.80%

21-44 years

<i>Total Number of Incident Warfarin Users</i>				27,351	100.00%					27,351	100.00%
1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	8,991	32.87%	85610	CPT	PROTHROMBIN TIME	21,561	78.83%	
2	85610	CPT	PROTHROMBIN TIME	8,973	32.81%	36415	CPT	ROUTINE VENIPUNCTURE	12,326	45.07%	
3	99232	CPT	SUBSEQUENT HOSPITAL CARE	8,271	30.24%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	11,514	42.10%	
4	99213	CPT	OFFICE/OUTPATIENT VISIT EST	7,454	27.25%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	11,312	41.36%	
5	99285	CPT	EMERGENCY DEPT VISIT	7,333	26.81%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	8,326	30.44%	
6	93010	CPT	ELECTROCARDIOGRAM REPORT	7,295	26.67%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	4,791	17.52%	
7	99214	CPT	OFFICE/OUTPATIENT VISIT EST	6,880	25.15%	80053	CPT	COMPREHEN METABOLIC PANEL	4,538	16.59%	
8	36415	CPT	ROUTINE VENIPUNCTURE	6,768	24.74%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,463	16.32%	
9	99223	CPT	INITIAL HOSPITAL CARE	6,608	24.16%	93971	CPT	EXTREMITY STUDY	4,117	15.05%	
10	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	5,932	21.69%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	3,274	11.97%	
11	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	5,774	21.11%	80048	CPT	METABOLIC PANEL TOTAL CA	3,140	11.48%	
12	99233	CPT	SUBSEQUENT HOSPITAL CARE	5,646	20.64%	99284	CPT	EMERGENCY DEPT VISIT	3,036	11.10%	
13	80053	CPT	COMPREHEN METABOLIC PANEL	5,343	19.53%	85027	CPT	COMPLETE CBC AUTOMATED	2,933	10.72%	
14	93971	CPT	EXTREMITY STUDY	5,339	19.52%	99285	CPT	EMERGENCY DEPT VISIT	2,783	10.18%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
15	85730	CPT	THROMBOPLASTIN TIME PARTIAL	5,015	18.34%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	2,643	9.66%
16	93970	CPT	EXTREMITY STUDY	4,785	17.49%	36416	CPT	CAPILLARY BLOOD DRAW	2,562	9.37%
17	80048	CPT	METABOLIC PANEL TOTAL CA	4,688	17.14%	93010	CPT	ELECTROCARDIOGRAM REPORT	2,510	9.18%
18	93306	CPT	TTE W/DOPPLER COMPLETE	4,185	15.30%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	2,317	8.47%
19	71275	CPT	CT ANGIOGRAPHY CHEST	4,059	14.84%	89240	CPT	PATHOLOGY LAB PROCEDURE	2,289	8.37%
20	85027	CPT	COMPLETE CBC AUTOMATED	3,685	13.47%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	2,252	8.23%
21	99239	CPT	HOSPITAL DISCHARGE DAY	3,615	13.22%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	2,229	8.15%
22	99231	CPT	SUBSEQUENT HOSPITAL CARE	3,587	13.11%	97110	CPT	THERAPEUTIC EXERCISES	2,131	7.79%
23	99238	CPT	HOSPITAL DISCHARGE DAY	3,582	13.10%	82565	CPT	ASSAY OF CREATININE	1,873	6.85%
24	99284	CPT	EMERGENCY DEPT VISIT	3,500	12.80%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	1,836	6.71%
25	99222	CPT	INITIAL HOSPITAL CARE	3,339	12.21%	97001	CPT	PT EVALUATION	1,824	6.67%
26	71260	CPT	CT THORAX W/DYE	2,744	10.03%	80061	CPT	LIPID PANEL	1,790	6.54%
27	99254	CPT	INPATIENT CONSULTATION	2,723	9.96%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	1,714	6.27%
28	99291	CPT	CRITICAL CARE FIRST HOUR	2,704	9.89%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	1,704	6.23%
29	93000	CPT	ELECTROCARDIOGRAM COMPLETE	2,667	9.75%	99283	CPT	EMERGENCY DEPT VISIT	1,691	6.18%
30	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	2,261	8.27%	83912	CPT	GENETIC EXAMINATION	1,683	6.15%
31	81003	CPT	URINALYSIS AUTO W/O SCOPE	2,231	8.16%	99232	CPT	SUBSEQUENT HOSPITAL CARE	1,665	6.09%
32	83735	CPT	ASSAY OF MAGNESIUM	2,227	8.14%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	1,542	5.64%
33	81001	CPT	URINALYSIS AUTO W/SCOPE	2,217	8.11%	84443	CPT	ASSAY THYROID STIM HORMONE	1,488	5.44%
34	96372	CPT	THER/PROPH/DIAG INJ SC/IM	2,117	7.74%	83891	CPT	MOLECULE ISOLATE NUCLEIC	1,477	5.40%
35	84484	CPT	ASSAY OF TROPONIN QUANT	2,099	7.67%	86147	CPT	CARDIOLIPIN ANTIBODY EA IG	1,455	5.32%
36	82565	CPT	ASSAY OF CREATININE	2,052	7.50%	93970	CPT	EXTREMITY STUDY	1,444	5.28%
37	99255	CPT	INPATIENT CONSULTATION	2,044	7.47%	93005	CPT	ELECTROCARDIOGRAM TRACING	1,433	5.24%
38	80061	CPT	LIPID PANEL	1,939	7.09%	99238	CPT	HOSPITAL DISCHARGE DAY	1,287	4.71%
39	93005	CPT	ELECTROCARDIOGRAM TRACING	1,937	7.08%	99239	CPT	HOSPITAL DISCHARGE DAY	1,253	4.58%
40	84443	CPT	ASSAY THYROID STIM HORMONE	1,871	6.84%	83898	CPT	MOLECULE NUCLEIC AMPLI EACH	1,251	4.57%
41	86900	CPT	BLOOD TYPING ABO	1,860	6.80%	83735	CPT	ASSAY OF MAGNESIUM	1,233	4.51%
42	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	1,846	6.75%	93306	CPT	TTE W/DOPPLER COMPLETE	1,229	4.49%
43	99283	CPT	EMERGENCY DEPT VISIT	1,843	6.74%	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	1,211	4.43%
44	86901	CPT	BLOOD TYPING RH (D)	1,831	6.69%	71275	CPT	CT ANGIOGRAPHY CHEST	1,210	4.42%
45	70450	CPT	CT HEAD/BRAIN W/O DYE	1,816	6.64%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,204	4.40%
46	86850	CPT	RBC ANTIBODY SCREEN	1,748	6.39%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,156	4.23%
47	88305	CPT	TISSUE EXAM BY PATHOLOGIST	1,708	6.24%	85300	CPT	ANTITHROMBIN III ACTIVITY	1,120	4.09%
48	74177	CPT	CT ABD & PELV W/CONTRAST	1,663	6.08%	99244	CPT	OFFICE CONSULTATION	1,117	4.08%
49	99212	CPT	OFFICE/OUTPATIENT VISIT EST	1,531	5.60%	97140	CPT	MANUAL THERAPY 1/> REGIONS	1,104	4.04%
50	99215	CPT	OFFICE/OUTPATIENT VISIT EST	1,485	5.43%	J1650	HCPCS	INJECTION ENOXAPARIN SODIUM 10 MG	1,098	4.01%

45-54 years

Total Number of Incident Warfarin Users

44,204 100.00%

44,204 100.00%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
1	85610	CPT	PROTHROMBIN TIME	16,169	36.58%	85610	CPT	PROTHROMBIN TIME	32,670	73.91%
2	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	14,826	33.54%	36415	CPT	ROUTINE VENIPUNCTURE	18,372	41.56%
3	99214	CPT	OFFICE/OUTPATIENT VISIT EST	12,857	29.09%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	16,972	38.39%
4	36415	CPT	ROUTINE VENIPUNCTURE	12,631	28.57%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	16,327	36.94%
5	99213	CPT	OFFICE/OUTPATIENT VISIT EST	12,561	28.42%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	11,739	26.56%
6	99232	CPT	SUBSEQUENT HOSPITAL CARE	12,460	28.19%	80053	CPT	COMPREHEN METABOLIC PANEL	6,996	15.83%
7	93010	CPT	ELECTROCARDIOGRAM REPORT	12,411	28.08%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	6,805	15.39%
8	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	10,113	22.88%	97110	CPT	THERAPEUTIC EXERCISES	5,741	12.99%
9	80053	CPT	COMPREHEN METABOLIC PANEL	9,389	21.24%	97001	CPT	PT EVALUATION	5,339	12.08%
10	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	9,028	20.42%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	5,121	11.58%
11	99223	CPT	INITIAL HOSPITAL CARE	8,914	20.17%	80048	CPT	METABOLIC PANEL TOTAL CA	5,072	11.47%
12	99285	CPT	EMERGENCY DEPT VISIT	8,608	19.47%	93971	CPT	EXTREMITY STUDY	5,035	11.39%
13	80048	CPT	METABOLIC PANEL TOTAL CA	8,305	18.79%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	4,969	11.24%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	8,149	18.43%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	4,699	10.63%
15	85730	CPT	THROMBOPLASTIN TIME PARTIAL	7,784	17.61%	85027	CPT	COMPLETE CBC AUTOMATED	4,350	9.84%
16	93000	CPT	ELECTROCARDIOGRAM COMPLETE	7,279	16.47%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	4,262	9.64%
17	93306	CPT	TTE W/DOPPLER COMPLETE	6,692	15.14%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	3,876	8.77%
18	85027	CPT	COMPLETE CBC AUTOMATED	6,310	14.27%	93010	CPT	ELECTROCARDIOGRAM REPORT	3,848	8.71%
19	93971	CPT	EXTREMITY STUDY	6,030	13.64%	80061	CPT	LIPID PANEL	3,793	8.58%
20	93970	CPT	EXTREMITY STUDY	5,687	12.87%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	3,455	7.82%
21	99231	CPT	SUBSEQUENT HOSPITAL CARE	5,657	12.80%	36416	CPT	CAPILLARY BLOOD DRAW	3,354	7.59%
22	99239	CPT	HOSPITAL DISCHARGE DAY	4,797	10.85%	99285	CPT	EMERGENCY DEPT VISIT	3,347	7.57%
23	80061	CPT	LIPID PANEL	4,754	10.75%	89240	CPT	PATHOLOGY LAB PROCEDURE	3,331	7.54%
24	99222	CPT	INITIAL HOSPITAL CARE	4,621	10.45%	99284	CPT	EMERGENCY DEPT VISIT	3,206	7.25%
25	99238	CPT	HOSPITAL DISCHARGE DAY	4,596	10.40%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	3,182	7.20%
26	71275	CPT	CT ANGIOGRAPHY CHEST	4,428	10.02%	82565	CPT	ASSAY OF CREATININE	3,114	7.04%
27	86900	CPT	BLOOD TYPING ABO	4,363	9.87%	97140	CPT	MANUAL THERAPY 1/> REGIONS	3,067	6.94%
28	86901	CPT	BLOOD TYPING RH (D)	4,283	9.69%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	2,948	6.67%
29	81001	CPT	URINALYSIS AUTO W/SCOPE	4,168	9.43%	99232	CPT	SUBSEQUENT HOSPITAL CARE	2,912	6.59%
30	93005	CPT	ELECTROCARDIOGRAM TRACING	4,128	9.34%	84443	CPT	ASSAY THYROID STIM HORMONE	2,632	5.95%
31	81003	CPT	URINALYSIS AUTO W/O SCOPE	4,123	9.33%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	2,588	5.85%
32	86850	CPT	RBC ANTIBODY SCREEN	4,115	9.31%	93306	CPT	TTE W/DOPPLER COMPLETE	2,288	5.18%
33	81.54	ICD9	TOTAL KNEE REPLACEMENT	4,033	9.12%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	2,241	5.07%
34	88305	CPT	TISSUE EXAM BY PATHOLOGIST	3,903	8.83%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	2,202	4.98%
35	99254	CPT	INPATIENT CONSULTATION	3,849	8.71%	93005	CPT	ELECTROCARDIOGRAM TRACING	2,197	4.97%
36	99291	CPT	CRITICAL CARE FIRST HOUR	3,650	8.26%	83735	CPT	ASSAY OF MAGNESIUM	2,108	4.77%
37	01402	CPT	ANESTH KNEE ARTHROPLASTY	3,631	8.21%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	1,945	4.40%
38	82565	CPT	ASSAY OF CREATININE	3,617	8.18%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	1,942	4.39%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
39	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	3,608	8.16%	59131	HCPCS	PHYSICAL THERAPY; HOME PER DIEM	1,898	4.29%
40	99284	CPT	EMERGENCY DEPT VISIT	3,577	8.09%	93970	CPT	EXTREMITY STUDY	1,832	4.14%
41	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,539	8.01%	99239	CPT	HOSPITAL DISCHARGE DAY	1,797	4.07%
42	83735	CPT	ASSAY OF MAGNESIUM	3,529	7.98%	99238	CPT	HOSPITAL DISCHARGE DAY	1,759	3.98%
43	27447	CPT	TOTAL KNEE ARTHROPLASTY	3,470	7.85%	73510	CPT	X-RAY EXAM OF HIP	1,749	3.96%
44	84443	CPT	ASSAY THYROID STIM HORMONE	3,418	7.73%	99283	CPT	EMERGENCY DEPT VISIT	1,736	3.93%
45	84484	CPT	ASSAY OF TROPONIN QUANT	3,321	7.51%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,717	3.88%
46	71260	CPT	CT THORAX W/DYE	3,091	6.99%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,716	3.88%
47	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	3,059	6.92%	99223	CPT	INITIAL HOSPITAL CARE	1,716	3.88%
48	99215	CPT	OFFICE/OUTPATIENT VISIT EST	2,963	6.70%	72170	CPT	X-RAY EXAM OF PELVIS	1,674	3.79%
49	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	2,866	6.48%	84520	CPT	ASSAY OF UREA NITROGEN	1,657	3.75%
50	99212	CPT	OFFICE/OUTPATIENT VISIT EST	2,806	6.35%	99233	CPT	SUBSEQUENT HOSPITAL CARE	1,632	3.69%

55-64 years

<i>Total Number of Incident Warfarin Users</i>				<i>82,161</i>	<i>100.00%</i>				<i>82,161</i>	<i>100.00%</i>
1	85610	CPT	PROTHROMBIN TIME	31,816	38.72%	85610	CPT	PROTHROMBIN TIME	59,002	71.81%
2	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	27,307	33.24%	36415	CPT	ROUTINE VENIPUNCTURE	32,057	39.02%
3	99214	CPT	OFFICE/OUTPATIENT VISIT EST	26,048	31.70%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	29,966	36.47%
4	36415	CPT	ROUTINE VENIPUNCTURE	25,622	31.19%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	27,859	33.91%
5	99213	CPT	OFFICE/OUTPATIENT VISIT EST	24,082	29.31%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	19,553	23.80%
6	93010	CPT	ELECTROCARDIOGRAM REPORT	22,781	27.73%	97110	CPT	THERAPEUTIC EXERCISES	12,492	15.20%
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	21,988	26.76%	80053	CPT	COMPREHEN METABOLIC PANEL	11,907	14.49%
8	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	19,222	23.40%	97001	CPT	PT EVALUATION	11,877	14.46%
9	80053	CPT	COMPREHEN METABOLIC PANEL	17,203	20.94%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	11,664	14.20%
10	93000	CPT	ELECTROCARDIOGRAM COMPLETE	16,917	20.59%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	11,374	13.84%
11	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	16,327	19.87%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	10,500	12.78%
12	80048	CPT	METABOLIC PANEL TOTAL CA	16,112	19.61%	80048	CPT	METABOLIC PANEL TOTAL CA	9,850	11.99%
13	99223	CPT	INITIAL HOSPITAL CARE	14,475	17.62%	85027	CPT	COMPLETE CBC AUTOMATED	8,126	9.89%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	13,867	16.88%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	7,846	9.55%
15	85730	CPT	THROMBOPLASTIN TIME PARTIAL	13,002	15.83%	80061	CPT	LIPID PANEL	7,664	9.33%
16	99285	CPT	EMERGENCY DEPT VISIT	12,431	15.13%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	7,176	8.73%
17	85027	CPT	COMPLETE CBC AUTOMATED	12,385	15.07%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	7,145	8.70%
18	93306	CPT	TTE W/DOPPLER COMPLETE	12,046	14.66%	93010	CPT	ELECTROCARDIOGRAM REPORT	6,992	8.51%
19	81.54	ICD9	TOTAL KNEE REPLACEMENT	11,401	13.88%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	6,747	8.21%
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	10,720	13.05%	97140	CPT	MANUAL THERAPY 1/> REGIONS	6,580	8.01%
21	01402	CPT	ANESTH KNEE ARTHROPLASTY	10,110	12.31%	93971	CPT	EXTREMITY STUDY	6,550	7.97%
22	80061	CPT	LIPID PANEL	10,067	12.25%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	6,244	7.60%
23	27447	CPT	TOTAL KNEE ARTHROPLASTY	9,839	11.98%	82565	CPT	ASSAY OF CREATININE	6,157	7.49%
24	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	9,317	11.34%	99232	CPT	SUBSEQUENT HOSPITAL CARE	5,717	6.96%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
25	86900	CPT	BLOOD TYPING ABO	9,277	11.29%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	5,696	6.93%
26	86901	CPT	BLOOD TYPING RH (D)	9,152	11.14%	89240	CPT	PATHOLOGY LAB PROCEDURE	5,446	6.63%
27	81003	CPT	URINALYSIS AUTO W/O SCOPE	8,850	10.77%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	5,393	6.56%
28	86850	CPT	RBC ANTIBODY SCREEN	8,846	10.77%	84443	CPT	ASSAY THYROID STIM HORMONE	5,359	6.52%
29	81001	CPT	URINALYSIS AUTO W/SCOPE	8,369	10.19%	36416	CPT	CAPILLARY BLOOD DRAW	5,209	6.34%
30	93005	CPT	ELECTROCARDIOGRAM TRACING	8,351	10.16%	99285	CPT	EMERGENCY DEPT VISIT	5,048	6.14%
31	93970	CPT	EXTREMITY STUDY	8,292	10.09%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	4,860	5.92%
32	99222	CPT	INITIAL HOSPITAL CARE	8,094	9.85%	93306	CPT	TTE W/DOPPLER COMPLETE	4,854	5.91%
33	88305	CPT	TISSUE EXAM BY PATHOLOGIST	7,775	9.46%	59131	HCPCS	PHYSICAL THERAPY; HOME PER DIEM	4,439	5.40%
34	82565	CPT	ASSAY OF CREATININE	7,591	9.24%	99284	CPT	EMERGENCY DEPT VISIT	4,429	5.39%
35	93971	CPT	EXTREMITY STUDY	7,558	9.20%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	4,056	4.94%
36	99239	CPT	HOSPITAL DISCHARGE DAY	7,461	9.08%	73562	CPT	X-RAY EXAM OF KNEE 3	3,928	4.78%
37	99238	CPT	HOSPITAL DISCHARGE DAY	7,439	9.05%	93005	CPT	ELECTROCARDIOGRAM TRACING	3,924	4.78%
38	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	7,411	9.02%	83735	CPT	ASSAY OF MAGNESIUM	3,832	4.66%
39	84443	CPT	ASSAY THYROID STIM HORMONE	6,919	8.42%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	3,739	4.55%
40	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	6,586	8.02%	73510	CPT	X-RAY EXAM OF HIP	3,604	4.39%
41	83735	CPT	ASSAY OF MAGNESIUM	6,196	7.54%	84520	CPT	ASSAY OF UREA NITROGEN	3,558	4.33%
42	99254	CPT	INPATIENT CONSULTATION	6,116	7.44%	72170	CPT	X-RAY EXAM OF PELVIS	3,519	4.28%
43	99291	CPT	CRITICAL CARE FIRST HOUR	6,000	7.30%	81003	CPT	URINALYSIS AUTO W/O SCOPE	3,427	4.17%
44	71275	CPT	CT ANGIOGRAPHY CHEST	5,819	7.08%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	3,407	4.15%
45	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	5,756	7.01%	81001	CPT	URINALYSIS AUTO W/SCOPE	3,325	4.05%
46	99215	CPT	OFFICE/OUTPATIENT VISIT EST	5,725	6.97%	59123	HCPCS	NRS CARE HOM; REGISTERED NURSE-HOUR	3,277	3.99%
47	84484	CPT	ASSAY OF TROPONIN QUANT	5,720	6.96%	99223	CPT	INITIAL HOSPITAL CARE	3,170	3.86%
48	81.51	ICD9	TOTAL HIP REPLACEMENT	5,672	6.90%	99233	CPT	SUBSEQUENT HOSPITAL CARE	3,136	3.82%
49	99212	CPT	OFFICE/OUTPATIENT VISIT EST	5,619	6.84%	99238	CPT	HOSPITAL DISCHARGE DAY	3,110	3.79%
50	84132	CPT	ASSAY OF SERUM POTASSIUM	5,401	6.57%	84132	CPT	ASSAY OF SERUM POTASSIUM	3,106	3.78%

65-74 years

<i>Total Number of Incident Warfarin Users</i>				<i>85,818</i>	<i>100.00%</i>					<i>85,818</i>	<i>100.00%</i>
1	85610	CPT	PROTHROMBIN TIME	30,455	35.49%	85610	CPT	PROTHROMBIN TIME	58,074	67.67%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	28,929	33.71%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	34,378	40.06%	
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	25,561	29.79%	36415	CPT	ROUTINE VENIPUNCTURE	31,355	36.54%	
4	36415	CPT	ROUTINE VENIPUNCTURE	25,486	29.70%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	31,178	36.33%	
5	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	23,982	27.95%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	19,404	22.61%	
6	93010	CPT	ELECTROCARDIOGRAM REPORT	23,547	27.44%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	14,278	16.64%	
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	21,860	25.47%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	13,202	15.38%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	19,087	22.24%	80053	CPT	COMPREHEN METABOLIC PANEL	11,679	13.61%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	18,838	21.95%	80048	CPT	METABOLIC PANEL TOTAL CA	9,929	11.57%	
10	99223	CPT	INITIAL HOSPITAL CARE	17,136	19.97%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	9,580	11.16%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	17,031	19.85%	97110	CPT	THERAPEUTIC EXERCISES	9,002	10.49%
12	80053	CPT	COMPREHEN METABOLIC PANEL	14,376	16.75%	97001	CPT	PT EVALUATION	8,970	10.45%
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	14,191	16.54%	93010	CPT	ELECTROCARDIOGRAM REPORT	8,547	9.96%
14	93306	CPT	TTE W/DOPPLER COMPLETE	14,013	16.33%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	8,507	9.91%
15	99285	CPT	EMERGENCY DEPT VISIT	13,937	16.24%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	8,341	9.72%
16	80048	CPT	METABOLIC PANEL TOTAL CA	12,807	14.92%	80061	CPT	LIPID PANEL	8,041	9.37%
17	99222	CPT	INITIAL HOSPITAL CARE	11,578	13.49%	85027	CPT	COMPLETE CBC AUTOMATED	7,948	9.26%
18	85027	CPT	COMPLETE CBC AUTOMATED	10,705	12.47%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	7,763	9.05%
19	99231	CPT	SUBSEQUENT HOSPITAL CARE	10,280	11.98%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	7,117	8.29%
20	80061	CPT	LIPID PANEL	9,380	10.93%	82565	CPT	ASSAY OF CREATININE	7,114	8.29%
21	81.54	ICD9	TOTAL KNEE REPLACEMENT	8,908	10.38%	99232	CPT	SUBSEQUENT HOSPITAL CARE	6,543	7.62%
22	93005	CPT	ELECTROCARDIOGRAM TRACING	8,565	9.98%	84443	CPT	ASSAY THYROID STIM HORMONE	6,388	7.44%
23	85730	CPT	THROMBOPLASTIN TIME PARTIAL	8,546	9.96%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	6,220	7.25%
24	82565	CPT	ASSAY OF CREATININE	8,128	9.47%	93306	CPT	TTE W/DOPPLER COMPLETE	6,158	7.18%
25	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	8,094	9.43%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	6,139	7.15%
26	93970	CPT	EXTREMITY STUDY	7,872	9.17%	99285	CPT	EMERGENCY DEPT VISIT	5,887	6.86%
27	81003	CPT	URINALYSIS AUTO W/O SCOPE	7,718	8.99%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	5,862	6.83%
28	99238	CPT	HOSPITAL DISCHARGE DAY	7,547	8.79%	93005	CPT	ELECTROCARDIOGRAM TRACING	4,873	5.68%
29	88305	CPT	TISSUE EXAM BY PATHOLOGIST	7,469	8.70%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	4,846	5.65%
30	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	7,467	8.70%	93971	CPT	EXTREMITY STUDY	4,693	5.47%
31	84443	CPT	ASSAY THYROID STIM HORMONE	7,392	8.61%	99284	CPT	EMERGENCY DEPT VISIT	4,529	5.28%
32	01402	CPT	ANESTH KNEE ARTHROPLASTY	7,306	8.51%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	4,459	5.20%
33	27447	CPT	TOTAL KNEE ARTHROPLASTY	7,142	8.32%	99223	CPT	INITIAL HOSPITAL CARE	4,434	5.17%
34	99239	CPT	HOSPITAL DISCHARGE DAY	7,114	8.29%	97140	CPT	MANUAL THERAPY 1/> REGIONS	4,377	5.10%
35	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	7,094	8.27%	84520	CPT	ASSAY OF UREA NITROGEN	4,264	4.97%
36	86900	CPT	BLOOD TYPING ABO	6,957	8.11%	84132	CPT	ASSAY OF SERUM POTASSIUM	4,166	4.85%
37	86901	CPT	BLOOD TYPING RH (D)	6,889	8.03%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	4,117	4.80%
38	86850	CPT	RBC ANTIBODY SCREEN	6,831	7.96%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	4,111	4.79%
39	99212	CPT	OFFICE/OUTPATIENT VISIT EST	6,436	7.50%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	3,966	4.62%
40	81001	CPT	URINALYSIS AUTO W/SCOPE	6,391	7.45%	99233	CPT	SUBSEQUENT HOSPITAL CARE	3,742	4.36%
41	99215	CPT	OFFICE/OUTPATIENT VISIT EST	6,364	7.42%	99239	CPT	HOSPITAL DISCHARGE DAY	3,734	4.35%
42	99291	CPT	CRITICAL CARE FIRST HOUR	6,102	7.11%	83735	CPT	ASSAY OF MAGNESIUM	3,709	4.32%
43	93971	CPT	EXTREMITY STUDY	5,968	6.95%	81003	CPT	URINALYSIS AUTO W/O SCOPE	3,641	4.24%
44	84484	CPT	ASSAY OF TROPONIN QUANT	5,831	6.79%	99238	CPT	HOSPITAL DISCHARGE DAY	3,626	4.23%
45	84132	CPT	ASSAY OF SERUM POTASSIUM	5,529	6.44%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	3,514	4.09%
46	83735	CPT	ASSAY OF MAGNESIUM	5,383	6.27%	85004	CPT	AUTOMATED DIFF WBC COUNT	3,496	4.07%
47	99211	CPT	OFFICE/OUTPATIENT VISIT EST	5,282	6.15%	81001	CPT	URINALYSIS AUTO W/SCOPE	3,494	4.07%
48	99284	CPT	EMERGENCY DEPT VISIT	5,256	6.12%	84460	CPT	ALANINE AMINO (ALT) (SGPT)	3,486	4.06%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users	
49	71275	CPT	CT ANGIOGRAPHY CHEST	5,189	6.05%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	3,375	3.93%	
50	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	5,174	6.03%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,229	3.76%	
75-84 years											
<i>Total Number of Incident Warfarin Users</i>				76,869	100.00%					76,869	100.00%
1	85610	CPT	PROTHROMBIN TIME	27,873	36.26%	85610	CPT	PROTHROMBIN TIME	51,366	66.82%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	24,914	32.41%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	32,129	41.80%	
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	22,815	29.68%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	28,934	37.64%	
4	36415	CPT	ROUTINE VENIPUNCTURE	21,053	27.39%	36415	CPT	ROUTINE VENIPUNCTURE	26,778	34.84%	
5	93010	CPT	ELECTROCARDIOGRAM REPORT	20,229	26.32%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	16,697	21.72%	
6	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	18,725	24.36%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	14,113	18.36%	
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	18,416	23.96%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	11,680	15.19%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	18,119	23.57%	80053	CPT	COMPREHEN METABOLIC PANEL	9,212	11.98%	
9	99223	CPT	INITIAL HOSPITAL CARE	15,585	20.27%	80048	CPT	METABOLIC PANEL TOTAL CA	9,142	11.89%	
10	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	14,870	19.34%	93010	CPT	ELECTROCARDIOGRAM REPORT	8,086	10.52%	
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	14,278	18.57%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	7,733	10.06%	
12	99285	CPT	EMERGENCY DEPT VISIT	14,083	18.32%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	7,676	9.99%	
13	93306	CPT	TTE W/DOPPLER COMPLETE	13,075	17.01%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	7,131	9.28%	
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	12,488	16.25%	85027	CPT	COMPLETE CBC AUTOMATED	7,092	9.23%	
15	80053	CPT	COMPREHEN METABOLIC PANEL	10,524	13.69%	82565	CPT	ASSAY OF CREATININE	7,011	9.12%	
16	99222	CPT	INITIAL HOSPITAL CARE	10,403	13.53%	80061	CPT	LIPID PANEL	6,709	8.73%	
17	80048	CPT	METABOLIC PANEL TOTAL CA	9,722	12.65%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	6,706	8.72%	
18	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	8,789	11.43%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	6,474	8.42%	
19	85027	CPT	COMPLETE CBC AUTOMATED	8,273	10.76%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	6,307	8.20%	
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	7,898	10.27%	84443	CPT	ASSAY THYROID STIM HORMONE	6,302	8.20%	
21	82565	CPT	ASSAY OF CREATININE	7,373	9.59%	99285	CPT	EMERGENCY DEPT VISIT	6,015	7.83%	
22	80061	CPT	LIPID PANEL	7,287	9.48%	93306	CPT	TTE W/DOPPLER COMPLETE	5,917	7.70%	
23	84443	CPT	ASSAY THYROID STIM HORMONE	7,222	9.40%	99232	CPT	SUBSEQUENT HOSPITAL CARE	5,751	7.48%	
24	99239	CPT	HOSPITAL DISCHARGE DAY	6,807	8.86%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	4,808	6.25%	
25	99238	CPT	HOSPITAL DISCHARGE DAY	6,771	8.81%	97001	CPT	PT EVALUATION	4,766	6.20%	
26	93970	CPT	EXTREMITY STUDY	6,389	8.31%	97110	CPT	THERAPEUTIC EXERCISES	4,722	6.14%	
27	93005	CPT	ELECTROCARDIOGRAM TRACING	6,292	8.19%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,625	6.02%	
28	99212	CPT	OFFICE/OUTPATIENT VISIT EST	5,865	7.63%	84132	CPT	ASSAY OF SERUM POTASSIUM	4,549	5.92%	
29	84484	CPT	ASSAY OF TROPONIN QUANT	5,853	7.61%	99284	CPT	EMERGENCY DEPT VISIT	4,426	5.76%	
30	81003	CPT	URINALYSIS AUTO W/O SCOPE	5,806	7.55%	99223	CPT	INITIAL HOSPITAL CARE	4,419	5.75%	
31	85730	CPT	THROMBOPLASTIN TIME PARTIAL	5,576	7.25%	84520	CPT	ASSAY OF UREA NITROGEN	4,329	5.63%	
32	70450	CPT	CT HEAD/BRAIN W/O DYE	5,522	7.18%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	4,266	5.55%	
33	84132	CPT	ASSAY OF SERUM POTASSIUM	5,322	6.92%	93005	CPT	ELECTROCARDIOGRAM TRACING	4,168	5.42%	
34	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	5,321	6.92%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	3,772	4.91%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
35	88305	CPT	TISSUE EXAM BY PATHOLOGIST	5,254	6.84%	81003	CPT	URINALYSIS AUTO W/O SCOPE	3,685	4.79%
36	99211	CPT	OFFICE/OUTPATIENT VISIT EST	5,220	6.79%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,666	4.77%
37	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	5,099	6.63%	99233	CPT	SUBSEQUENT HOSPITAL CARE	3,636	4.73%
38	99284	CPT	EMERGENCY DEPT VISIT	5,086	6.62%	85004	CPT	AUTOMATED DIFF WBC COUNT	3,572	4.65%
39	99291	CPT	CRITICAL CARE FIRST HOUR	5,017	6.53%	84295	CPT	ASSAY OF SERUM SODIUM	3,509	4.56%
40	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	4,918	6.40%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	3,486	4.53%
41	99215	CPT	OFFICE/OUTPATIENT VISIT EST	4,861	6.32%	99239	CPT	HOSPITAL DISCHARGE DAY	3,368	4.38%
42	83735	CPT	ASSAY OF MAGNESIUM	4,814	6.26%	81001	CPT	URINALYSIS AUTO W/SCOPE	3,292	4.28%
43	81001	CPT	URINALYSIS AUTO W/SCOPE	4,686	6.10%	84484	CPT	ASSAY OF TROPONIN QUANT	3,267	4.25%
44	84520	CPT	ASSAY OF UREA NITROGEN	4,542	5.91%	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	3,266	4.25%
45	93971	CPT	EXTREMITY STUDY	4,494	5.85%	99238	CPT	HOSPITAL DISCHARGE DAY	3,258	4.24%
46	84295	CPT	ASSAY OF SERUM SODIUM	4,422	5.75%	84460	CPT	ALANINE AMINO (ALT) (SGPT)	3,230	4.20%
47	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	4,247	5.52%	93971	CPT	EXTREMITY STUDY	3,166	4.12%
48	81.54	ICD9	TOTAL KNEE REPLACEMENT	4,068	5.29%	83735	CPT	ASSAY OF MAGNESIUM	3,161	4.11%
49	80051	CPT	ELECTROLYTE PANEL	4,028	5.24%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	3,103	4.04%
50	85004	CPT	AUTOMATED DIFF WBC COUNT	4,008	5.21%	99222	CPT	INITIAL HOSPITAL CARE	3,095	4.03%

≥85 years

<i>Total Number of Incident Warfarin Users</i>				28,179	100.00%					28,179	100.00%
1	85610	CPT	PROTHROMBIN TIME	9,995	35.47%	85610	CPT	PROTHROMBIN TIME	17,658	62.66%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	7,660	27.18%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	10,789	38.29%	
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	7,450	26.44%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	9,742	34.57%	
4	93010	CPT	ELECTROCARDIOGRAM REPORT	7,042	24.99%	36415	CPT	ROUTINE VENIPUNCTURE	9,225	32.74%	
5	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	6,952	24.67%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	5,654	20.06%	
6	36415	CPT	ROUTINE VENIPUNCTURE	6,880	24.42%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	4,297	15.25%	
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	6,481	23.00%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	3,543	12.57%	
8	99285	CPT	EMERGENCY DEPT VISIT	5,972	21.19%	80048	CPT	METABOLIC PANEL TOTAL CA	3,348	11.88%	
9	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	5,971	21.19%	93010	CPT	ELECTROCARDIOGRAM REPORT	2,902	10.30%	
10	99223	CPT	INITIAL HOSPITAL CARE	5,590	19.84%	80053	CPT	COMPREHEN METABOLIC PANEL	2,886	10.24%	
11	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	4,699	16.68%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	2,744	9.74%	
12	93306	CPT	TTE W/DOPPLER COMPLETE	4,514	16.02%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	2,701	9.59%	
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	4,326	15.35%	85027	CPT	COMPLETE CBC AUTOMATED	2,499	8.87%	
14	93000	CPT	ELECTROCARDIOGRAM COMPLETE	4,232	15.02%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	2,499	8.87%	
15	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,986	14.15%	82565	CPT	ASSAY OF CREATININE	2,496	8.86%	
16	99222	CPT	INITIAL HOSPITAL CARE	3,772	13.39%	99285	CPT	EMERGENCY DEPT VISIT	2,485	8.82%	
17	80048	CPT	METABOLIC PANEL TOTAL CA	3,237	11.49%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	2,468	8.76%	
18	80053	CPT	COMPREHEN METABOLIC PANEL	2,974	10.55%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	2,242	7.96%	
19	99239	CPT	HOSPITAL DISCHARGE DAY	2,780	9.87%	84443	CPT	ASSAY THYROID STIM HORMONE	2,209	7.84%	
20	85027	CPT	COMPLETE CBC AUTOMATED	2,610	9.26%	99232	CPT	SUBSEQUENT HOSPITAL CARE	2,073	7.36%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
21	99238	CPT	HOSPITAL DISCHARGE DAY	2,597	9.22%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	1,998	7.09%
22	82565	CPT	ASSAY OF CREATININE	2,515	8.93%	84132	CPT	ASSAY OF SERUM POTASSIUM	1,885	6.69%
23	70450	CPT	CT HEAD/BRAIN W/O DYE	2,482	8.81%	93306	CPT	TTE W/DOPPLER COMPLETE	1,879	6.67%
24	99231	CPT	SUBSEQUENT HOSPITAL CARE	2,468	8.76%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	1,799	6.38%
25	84443	CPT	ASSAY THYROID STIM HORMONE	2,459	8.73%	80061	CPT	LIPID PANEL	1,795	6.37%
26	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	2,396	8.50%	99284	CPT	EMERGENCY DEPT VISIT	1,749	6.21%
27	93970	CPT	EXTREMITY STUDY	2,356	8.36%	99223	CPT	INITIAL HOSPITAL CARE	1,696	6.02%
28	84484	CPT	ASSAY OF TROPONIN QUANT	2,246	7.97%	E1390	HCPCS	O2 CONC 85%>O2 CONC PRSC FLW RATE	1,594	5.66%
29	99284	CPT	EMERGENCY DEPT VISIT	2,212	7.85%	84520	CPT	ASSAY OF UREA NITROGEN	1,511	5.36%
30	80061	CPT	LIPID PANEL	2,011	7.14%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	1,492	5.29%
31	99212	CPT	OFFICE/OUTPATIENT VISIT EST	1,971	6.99%	99239	CPT	HOSPITAL DISCHARGE DAY	1,382	4.90%
32	84132	CPT	ASSAY OF SERUM POTASSIUM	1,942	6.89%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,372	4.87%
33	93971	CPT	EXTREMITY STUDY	1,936	6.87%	84295	CPT	ASSAY OF SERUM SODIUM	1,372	4.87%
34	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,916	6.80%	93005	CPT	ELECTROCARDIOGRAM TRACING	1,362	4.83%
35	93005	CPT	ELECTROCARDIOGRAM TRACING	1,824	6.47%	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	1,347	4.78%
36	99308	CPT	NURSING FAC CARE SUBSEQ	1,776	6.30%	99233	CPT	SUBSEQUENT HOSPITAL CARE	1,343	4.77%
37	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	1,746	6.20%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	1,337	4.74%
38	84520	CPT	ASSAY OF UREA NITROGEN	1,742	6.18%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,310	4.65%
39	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	1,741	6.18%	84484	CPT	ASSAY OF TROPONIN QUANT	1,285	4.56%
40	99309	CPT	NURSING FAC CARE SUBSEQ	1,729	6.14%	99238	CPT	HOSPITAL DISCHARGE DAY	1,273	4.52%
41	83735	CPT	ASSAY OF MAGNESIUM	1,702	6.04%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	1,259	4.47%
42	99211	CPT	OFFICE/OUTPATIENT VISIT EST	1,692	6.00%	70450	CPT	CT HEAD/BRAIN W/O DYE	1,225	4.35%
43	84295	CPT	ASSAY OF SERUM SODIUM	1,671	5.93%	85004	CPT	AUTOMATED DIFF WBC COUNT	1,197	4.25%
44	85730	CPT	THROMBOPLASTIN TIME PARTIAL	1,616	5.73%	99222	CPT	INITIAL HOSPITAL CARE	1,182	4.19%
45	99291	CPT	CRITICAL CARE FIRST HOUR	1,592	5.65%	99308	CPT	NURSING FAC CARE SUBSEQ	1,137	4.03%
46	80051	CPT	ELECTROLYTE PANEL	1,545	5.48%	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	1,120	3.97%
47	A0428	HCPCS	AMB SERVICE BLS NONEMERG TRANSPORT	1,492	5.29%	97001	CPT	PT EVALUATION	1,112	3.95%
48	82435	CPT	ASSAY OF BLOOD CHLORIDE	1,455	5.16%	93971	CPT	EXTREMITY STUDY	1,107	3.93%
49	81001	CPT	URINALYSIS AUTO W/SCOPE	1,451	5.15%	83735	CPT	ASSAY OF MAGNESIUM	1,099	3.90%
50	82374	CPT	ASSAY BLOOD CARBON DIOXIDE	1,425	5.06%	G0152	HCPCS	SRVC OT HOM HLTH/HOSPICE EA 15 MIN	1,090	3.87%

365-Day Washout
0-20 years

<i>Total Number of Incident Warfarin Users</i>				1,299	100.00%					1,299	100.00%
1	99232	CPT	SUBSEQUENT HOSPITAL CARE	479	36.87%	85610	CPT	PROTHROMBIN TIME	1,029	79.21%	
2	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	465	35.80%	36415	CPT	ROUTINE VENIPUNCTURE	617	47.50%	
3	85610	CPT	PROTHROMBIN TIME	385	29.64%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	567	43.65%	
4	99285	CPT	EMERGENCY DEPT VISIT	382	29.41%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	534	41.11%	
5	99233	CPT	SUBSEQUENT HOSPITAL CARE	364	28.02%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	407	31.33%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
6	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	353	27.17%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	232	17.86%
7	93010	CPT	ELECTROCARDIOGRAM REPORT	339	26.10%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	214	16.47%
8	99213	CPT	OFFICE/OUTPATIENT VISIT EST	338	26.02%	80053	CPT	COMPREHEN METABOLIC PANEL	196	15.09%
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	327	25.17%	93971	CPT	EXTREMITY STUDY	195	15.01%
10	99223	CPT	INITIAL HOSPITAL CARE	317	24.40%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	173	13.32%
11	36415	CPT	ROUTINE VENIPUNCTURE	301	23.17%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	166	12.78%
12	93971	CPT	EXTREMITY STUDY	296	22.79%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	152	11.70%
13	99214	CPT	OFFICE/OUTPATIENT VISIT EST	284	21.86%	99284	CPT	EMERGENCY DEPT VISIT	151	11.62%
14	85730	CPT	THROMBOPLASTIN TIME PARTIAL	257	19.78%	85027	CPT	COMPLETE CBC AUTOMATED	138	10.62%
15	99231	CPT	SUBSEQUENT HOSPITAL CARE	247	19.01%	97110	CPT	THERAPEUTIC EXERCISES	136	10.47%
16	93970	CPT	EXTREMITY STUDY	244	18.78%	99285	CPT	EMERGENCY DEPT VISIT	132	10.16%
17	80053	CPT	COMPREHEN METABOLIC PANEL	231	17.78%	89240	CPT	PATHOLOGY LAB PROCEDURE	130	10.01%
18	99291	CPT	CRITICAL CARE FIRST HOUR	221	17.01%	80048	CPT	METABOLIC PANEL TOTAL CA	126	9.70%
19	99284	CPT	EMERGENCY DEPT VISIT	219	16.86%	93010	CPT	ELECTROCARDIOGRAM REPORT	123	9.47%
20	99238	CPT	HOSPITAL DISCHARGE DAY	218	16.78%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	110	8.47%
21	80048	CPT	METABOLIC PANEL TOTAL CA	205	15.78%	97001	CPT	PT EVALUATION	109	8.39%
22	71275	CPT	CT ANGIOGRAPHY CHEST	204	15.70%	99283	CPT	EMERGENCY DEPT VISIT	104	8.01%
23	99239	CPT	HOSPITAL DISCHARGE DAY	191	14.70%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	97	7.47%
24	85027	CPT	COMPLETE CBC AUTOMATED	180	13.86%	36416	CPT	CAPILLARY BLOOD DRAW	94	7.24%
25	99222	CPT	INITIAL HOSPITAL CARE	179	13.78%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	92	7.08%
26	71260	CPT	CT THORAX W/DYE	174	13.39%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	90	6.93%
27	93306	CPT	TTE W/DOPPLER COMPLETE	167	12.86%	82565	CPT	ASSAY OF CREATININE	89	6.85%
28	99254	CPT	INPATIENT CONSULTATION	167	12.86%	83912	CPT	GENETIC EXAMINATION	88	6.77%
29	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	156	12.01%	99238	CPT	HOSPITAL DISCHARGE DAY	88	6.77%
30	99255	CPT	INPATIENT CONSULTATION	130	10.01%	93005	CPT	ELECTROCARDIOGRAM TRACING	84	6.47%
31	99283	CPT	EMERGENCY DEPT VISIT	127	9.78%	86147	CPT	CARDIOLIPIN ANTIBODY EA IG	82	6.31%
32	74177	CPT	CT ABD & PELV W/CONTRAST	118	9.08%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	82	6.31%
33	70450	CPT	CT HEAD/BRAIN W/O DYE	117	9.01%	99232	CPT	SUBSEQUENT HOSPITAL CARE	81	6.24%
34	81001	CPT	URINALYSIS AUTO W/SCOPE	117	9.01%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	79	6.08%
35	93325	CPT	DOPPLER COLOR FLOW ADD-ON	117	9.01%	83891	CPT	MOLECULE ISOLATE NUCLEIC	75	5.77%
36	82565	CPT	ASSAY OF CREATININE	114	8.78%	83898	CPT	MOLECULE NUCLEIC AMPLI EACH	75	5.77%
37	99253	CPT	INPATIENT CONSULTATION	114	8.78%	93325	CPT	DOPPLER COLOR FLOW ADD-ON	66	5.08%
38	81003	CPT	URINALYSIS AUTO W/O SCOPE	113	8.70%	99244	CPT	OFFICE CONSULTATION	65	5.00%
39	83735	CPT	ASSAY OF MAGNESIUM	103	7.93%	85300	CPT	ANTITHROMBIN III ACTIVITY	63	4.85%
40	36620	CPT	INSERTION CATHETER ARTERY	100	7.70%	99233	CPT	SUBSEQUENT HOSPITAL CARE	63	4.85%
41	86900	CPT	BLOOD TYPING ABO	93	7.16%	96374	CPT	THER/PROPH/DIAG INJ IV PUSH	59	4.54%
42	86901	CPT	BLOOD TYPING RH (D)	92	7.08%	71275	CPT	CT ANGIOGRAPHY CHEST	58	4.46%
43	93320	CPT	DOPPLER ECHO EXAM HEART	92	7.08%	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	57	4.39%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
44	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	91	7.01%	76499	CPT	RADIOGRAPHIC PROCEDURE	55	4.23%
45	93005	CPT	ELECTROCARDIOGRAM TRACING	89	6.85%	83090	CPT	ASSAY OF HOMOCYSTINE	53	4.08%
46	84520	CPT	ASSAY OF UREA NITROGEN	88	6.77%	85613	CPT	RUSSELL VIPER VENOM DILUTED	53	4.08%
47	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	87	6.70%	85004	CPT	AUTOMATED DIFF WBC COUNT	52	4.00%
48	99215	CPT	OFFICE/OUTPATIENT VISIT EST	86	6.62%	93970	CPT	EXTREMITY STUDY	52	4.00%
49	93000	CPT	ELECTROCARDIOGRAM COMPLETE	83	6.39%	J2405	HCPCS	INJECTION ONDANSETRON HCL PER 1 MG	52	4.00%
50	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	83	6.39%	83896	CPT	MOLECULAR DIAGNOSTICS	50	3.85%

21-44 years

<i>Total Number of Incident Warfarin Users</i>				20,865	100.00%					20,865	100.00%
1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	7,301	34.99%	85610	CPT	PROTHROMBIN TIME	16,948	81.23%	
2	99232	CPT	SUBSEQUENT HOSPITAL CARE	6,753	32.37%	36415	CPT	ROUTINE VENIPUNCTURE	9,750	46.73%	
3	85610	CPT	PROTHROMBIN TIME	6,663	31.93%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	9,140	43.81%	
4	99285	CPT	EMERGENCY DEPT VISIT	6,028	28.89%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	9,058	43.41%	
5	93010	CPT	ELECTROCARDIOGRAM REPORT	5,974	28.63%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	6,667	31.95%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	5,907	28.31%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	3,803	18.23%	
7	99214	CPT	OFFICE/OUTPATIENT VISIT EST	5,438	26.06%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	3,577	17.14%	
8	99223	CPT	INITIAL HOSPITAL CARE	5,405	25.90%	80053	CPT	COMPREHEN METABOLIC PANEL	3,569	17.11%	
9	36415	CPT	ROUTINE VENIPUNCTURE	5,225	25.04%	93971	CPT	EXTREMITY STUDY	3,409	16.34%	
10	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	4,866	23.32%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	2,638	12.64%	
11	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	4,756	22.79%	80048	CPT	METABOLIC PANEL TOTAL CA	2,526	12.11%	
12	99233	CPT	SUBSEQUENT HOSPITAL CARE	4,606	22.08%	99284	CPT	EMERGENCY DEPT VISIT	2,454	11.76%	
13	93971	CPT	EXTREMITY STUDY	4,418	21.17%	85027	CPT	COMPLETE CBC AUTOMATED	2,437	11.68%	
14	80053	CPT	COMPREHEN METABOLIC PANEL	4,253	20.38%	99285	CPT	EMERGENCY DEPT VISIT	2,206	10.57%	
15	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,087	19.59%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	2,143	10.27%	
16	93970	CPT	EXTREMITY STUDY	3,942	18.89%	36416	CPT	CAPILLARY BLOOD DRAW	2,039	9.77%	
17	80048	CPT	METABOLIC PANEL TOTAL CA	3,813	18.27%	93010	CPT	ELECTROCARDIOGRAM REPORT	2,002	9.60%	
18	93306	CPT	TTE W/DOPPLER COMPLETE	3,452	16.54%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	1,871	8.97%	
19	71275	CPT	CT ANGIOGRAPHY CHEST	3,389	16.24%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	1,812	8.68%	
20	85027	CPT	COMPLETE CBC AUTOMATED	3,048	14.61%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	1,794	8.60%	
21	99239	CPT	HOSPITAL DISCHARGE DAY	2,968	14.22%	97110	CPT	THERAPEUTIC EXERCISES	1,770	8.48%	
22	99231	CPT	SUBSEQUENT HOSPITAL CARE	2,931	14.05%	89240	CPT	PATHOLOGY LAB PROCEDURE	1,757	8.42%	
23	99238	CPT	HOSPITAL DISCHARGE DAY	2,917	13.98%	82565	CPT	ASSAY OF CREATININE	1,582	7.58%	
24	99284	CPT	EMERGENCY DEPT VISIT	2,865	13.73%	97001	CPT	PT EVALUATION	1,525	7.31%	
25	99222	CPT	INITIAL HOSPITAL CARE	2,744	13.15%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	1,447	6.94%	
26	71260	CPT	CT THORAX W/DYE	2,282	10.94%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	1,436	6.88%	
27	93000	CPT	ELECTROCARDIOGRAM COMPLETE	2,238	10.73%	83912	CPT	GENETIC EXAMINATION	1,386	6.64%	
28	99254	CPT	INPATIENT CONSULTATION	2,235	10.71%	99283	CPT	EMERGENCY DEPT VISIT	1,370	6.57%	
29	99291	CPT	CRITICAL CARE FIRST HOUR	2,234	10.71%	80061	CPT	LIPID PANEL	1,358	6.51%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
30	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	1,849	8.86%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	1,350	6.47%
31	83735	CPT	ASSAY OF MAGNESIUM	1,823	8.74%	99232	CPT	SUBSEQUENT HOSPITAL CARE	1,338	6.41%
32	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,822	8.73%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	1,229	5.89%
33	81001	CPT	URINALYSIS AUTO W/SCOPE	1,768	8.47%	86147	CPT	CARDIOLIPIN ANTIBODY EA IG	1,226	5.88%
34	84484	CPT	ASSAY OF TROPONIN QUANT	1,737	8.32%	83891	CPT	MOLECULE ISOLATE NUCLEIC	1,219	5.84%
35	82565	CPT	ASSAY OF CREATININE	1,731	8.30%	84443	CPT	ASSAY THYROID STIM HORMONE	1,183	5.67%
36	96372	CPT	THER/PROPH/DIAG INJ SC/IM	1,720	8.24%	93970	CPT	EXTREMITY STUDY	1,177	5.64%
37	99255	CPT	INPATIENT CONSULTATION	1,655	7.93%	93005	CPT	ELECTROCARDIOGRAM TRACING	1,150	5.51%
38	93005	CPT	ELECTROCARDIOGRAM TRACING	1,586	7.60%	99238	CPT	HOSPITAL DISCHARGE DAY	1,064	5.10%
39	86900	CPT	BLOOD TYPING ABO	1,541	7.39%	83898	CPT	MOLECULE NUCLEIC AMPLI EACH	1,047	5.02%
40	80061	CPT	LIPID PANEL	1,537	7.37%	99239	CPT	HOSPITAL DISCHARGE DAY	1,019	4.88%
41	84443	CPT	ASSAY THYROID STIM HORMONE	1,521	7.29%	71275	CPT	CT ANGIOGRAPHY CHEST	987	4.73%
42	86901	CPT	BLOOD TYPING RH (D)	1,521	7.29%	Q9967	HCPCS	LOCM 300-399 MG/ML I CONC PER ML	980	4.70%
43	99283	CPT	EMERGENCY DEPT VISIT	1,496	7.17%	83735	CPT	ASSAY OF MAGNESIUM	972	4.66%
44	70450	CPT	CT HEAD/BRAIN W/O DYE	1,490	7.14%	93306	CPT	TTE W/DOPPLER COMPLETE	961	4.61%
45	86850	CPT	RBC ANTIBODY SCREEN	1,464	7.02%	81003	CPT	URINALYSIS AUTO W/O SCOPE	937	4.49%
46	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	1,452	6.96%	85300	CPT	ANTITHROMBIN III ACTIVITY	926	4.44%
47	88305	CPT	TISSUE EXAM BY PATHOLOGIST	1,388	6.65%	81001	CPT	URINALYSIS AUTO W/SCOPE	924	4.43%
48	74177	CPT	CT ABD & PELV W/CONTRAST	1,370	6.57%	99244	CPT	OFFICE CONSULTATION	918	4.40%
49	99253	CPT	INPATIENT CONSULTATION	1,224	5.87%	97140	CPT	MANUAL THERAPY 1/> REGIONS	904	4.33%
50	84520	CPT	ASSAY OF UREA NITROGEN	1,205	5.78%	85613	CPT	RUSSELL VIPER VENOM DILUTED	897	4.30%

45-54 years

<i>Total Number of Incident Warfarin Users</i>				34,631	100.00%					34,631	100.00%
1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	12,408	35.83%	85610	CPT	PROTHROMBIN TIME	26,240	75.77%	
2	85610	CPT	PROTHROMBIN TIME	12,071	34.86%	36415	CPT	ROUTINE VENIPUNCTURE	14,834	42.83%	
3	99232	CPT	SUBSEQUENT HOSPITAL CARE	10,665	30.80%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	13,866	40.04%	
4	93010	CPT	ELECTROCARDIOGRAM REPORT	10,561	30.50%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	13,292	38.38%	
5	99214	CPT	OFFICE/OUTPATIENT VISIT EST	10,401	30.03%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	9,688	27.97%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	10,128	29.25%	80053	CPT	COMPREHEN METABOLIC PANEL	5,658	16.34%	
7	36415	CPT	ROUTINE VENIPUNCTURE	9,925	28.66%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	5,539	15.99%	
8	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	8,678	25.06%	97110	CPT	THERAPEUTIC EXERCISES	4,956	14.31%	
9	80053	CPT	COMPREHEN METABOLIC PANEL	7,728	22.32%	97001	CPT	PT EVALUATION	4,625	13.36%	
10	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	7,722	22.30%	93971	CPT	EXTREMITY STUDY	4,373	12.63%	
11	99223	CPT	INITIAL HOSPITAL CARE	7,580	21.89%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,305	12.43%	
12	99285	CPT	EMERGENCY DEPT VISIT	7,330	21.17%	80048	CPT	METABOLIC PANEL TOTAL CA	4,205	12.14%	
13	80048	CPT	METABOLIC PANEL TOTAL CA	6,977	20.15%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	4,047	11.69%	
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	6,925	20.00%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	4,015	11.59%	
15	85730	CPT	THROMBOPLASTIN TIME PARTIAL	6,591	19.03%	85027	CPT	COMPLETE CBC AUTOMATED	3,700	10.68%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
16	93000	CPT	ELECTROCARDIOGRAM COMPLETE	6,199	17.90%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	3,526	10.18%
17	93306	CPT	TTE W/DOPPLER COMPLETE	5,673	16.38%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	3,220	9.30%
18	85027	CPT	COMPLETE CBC AUTOMATED	5,404	15.60%	93010	CPT	ELECTROCARDIOGRAM REPORT	3,164	9.14%
19	93971	CPT	EXTREMITY STUDY	5,156	14.89%	80061	CPT	LIPID PANEL	2,974	8.59%
20	93970	CPT	EXTREMITY STUDY	4,877	14.08%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	2,851	8.23%
21	99231	CPT	SUBSEQUENT HOSPITAL CARE	4,842	13.98%	99285	CPT	EMERGENCY DEPT VISIT	2,740	7.91%
22	99239	CPT	HOSPITAL DISCHARGE DAY	4,126	11.91%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	2,720	7.85%
23	99222	CPT	INITIAL HOSPITAL CARE	3,930	11.35%	99284	CPT	EMERGENCY DEPT VISIT	2,718	7.85%
24	99238	CPT	HOSPITAL DISCHARGE DAY	3,878	11.20%	36416	CPT	CAPILLARY BLOOD DRAW	2,708	7.82%
25	71275	CPT	CT ANGIOGRAPHY CHEST	3,794	10.96%	82565	CPT	ASSAY OF CREATININE	2,660	7.68%
26	86900	CPT	BLOOD TYPING ABO	3,786	10.93%	89240	CPT	PATHOLOGY LAB PROCEDURE	2,652	7.66%
27	80061	CPT	LIPID PANEL	3,742	10.81%	97140	CPT	MANUAL THERAPY 1/> REGIONS	2,624	7.58%
28	86901	CPT	BLOOD TYPING RH (D)	3,715	10.73%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	2,467	7.12%
29	86850	CPT	RBC ANTIBODY SCREEN	3,581	10.34%	99232	CPT	SUBSEQUENT HOSPITAL CARE	2,420	6.99%
30	81003	CPT	URINALYSIS AUTO W/O SCOPE	3,522	10.17%	84443	CPT	ASSAY THYROID STIM HORMONE	2,153	6.22%
31	81001	CPT	URINALYSIS AUTO W/SCOPE	3,514	10.15%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	2,141	6.18%
32	81.54	ICD9	TOTAL KNEE REPLACEMENT	3,514	10.15%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	1,910	5.52%
33	93005	CPT	ELECTROCARDIOGRAM TRACING	3,479	10.05%	93306	CPT	TTE W/DOPPLER COMPLETE	1,869	5.40%
34	99254	CPT	INPATIENT CONSULTATION	3,317	9.58%	93005	CPT	ELECTROCARDIOGRAM TRACING	1,784	5.15%
35	88305	CPT	TISSUE EXAM BY PATHOLOGIST	3,272	9.45%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	1,743	5.03%
36	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	3,128	9.03%	83735	CPT	ASSAY OF MAGNESIUM	1,698	4.90%
37	01402	CPT	ANESTH KNEE ARTHROPLASTY	3,120	9.01%	S9131	HCPCS	PHYSICAL THERAPY; HOME PER DIEM	1,656	4.78%
38	99291	CPT	CRITICAL CARE FIRST HOUR	3,114	8.99%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	1,581	4.57%
39	82565	CPT	ASSAY OF CREATININE	3,043	8.79%	93970	CPT	EXTREMITY STUDY	1,563	4.51%
40	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,036	8.77%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	1,549	4.47%
41	27447	CPT	TOTAL KNEE ARTHROPLASTY	3,009	8.69%	99239	CPT	HOSPITAL DISCHARGE DAY	1,508	4.35%
42	99284	CPT	EMERGENCY DEPT VISIT	3,005	8.68%	73510	CPT	X-RAY EXAM OF HIP	1,474	4.26%
43	83735	CPT	ASSAY OF MAGNESIUM	2,976	8.59%	99238	CPT	HOSPITAL DISCHARGE DAY	1,460	4.22%
44	84443	CPT	ASSAY THYROID STIM HORMONE	2,829	8.17%	72170	CPT	X-RAY EXAM OF PELVIS	1,456	4.20%
45	84484	CPT	ASSAY OF TROPONIN QUANT	2,820	8.14%	99283	CPT	EMERGENCY DEPT VISIT	1,446	4.18%
46	71260	CPT	CT THORAX W/DYE	2,655	7.67%	84520	CPT	ASSAY OF UREA NITROGEN	1,443	4.17%
47	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	2,495	7.20%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,428	4.12%
48	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	2,461	7.11%	99223	CPT	INITIAL HOSPITAL CARE	1,406	4.06%
49	99215	CPT	OFFICE/OUTPATIENT VISIT EST	2,394	6.91%	S9123	HCPCS	NRS CARE HOM; REGISTERED NURSE-HOUR	1,377	3.98%
50	81.51	ICD9	TOTAL HIP REPLACEMENT	2,376	6.86%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,375	3.97%

55-64 years

<i>Total Number of Incident Warfarin Users</i>				64,011	100.00%					64,011	100.00%
1	85610	CPT	PROTHROMBIN TIME	23,302	36.40%	85610	CPT	PROTHROMBIN TIME	46,935	73.32%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
2	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	23,172	36.20%	36415	CPT	ROUTINE VENIPUNCTURE	25,702	40.15%
3	99214	CPT	OFFICE/OUTPATIENT VISIT EST	20,854	32.58%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	24,202	37.81%
4	36415	CPT	ROUTINE VENIPUNCTURE	20,108	31.41%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	22,543	35.22%
5	93010	CPT	ELECTROCARDIOGRAM REPORT	19,627	30.66%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	16,219	25.34%
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	19,295	30.14%	97110	CPT	THERAPEUTIC EXERCISES	10,871	16.98%
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	18,982	29.65%	97001	CPT	PT EVALUATION	10,429	16.29%
8	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	16,618	25.96%	80053	CPT	COMPREHEN METABOLIC PANEL	9,534	14.89%
9	93000	CPT	ELECTROCARDIOGRAM COMPLETE	14,578	22.77%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	9,446	14.76%
10	80053	CPT	COMPREHEN METABOLIC PANEL	14,172	22.14%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	9,336	14.58%
11	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	14,147	22.10%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	8,996	14.05%
12	80048	CPT	METABOLIC PANEL TOTAL CA	13,814	21.58%	80048	CPT	METABOLIC PANEL TOTAL CA	8,139	12.72%
13	99223	CPT	INITIAL HOSPITAL CARE	12,468	19.48%	85027	CPT	COMPLETE CBC AUTOMATED	6,938	10.84%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	11,981	18.72%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	6,776	10.59%
15	85730	CPT	THROMBOPLASTIN TIME PARTIAL	11,233	17.55%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	6,088	9.51%
16	85027	CPT	COMPLETE CBC AUTOMATED	10,860	16.97%	80061	CPT	LIPID PANEL	5,847	9.13%
17	99285	CPT	EMERGENCY DEPT VISIT	10,656	16.65%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	5,845	9.13%
18	93306	CPT	TTE W/DOPPLER COMPLETE	10,334	16.14%	93010	CPT	ELECTROCARDIOGRAM REPORT	5,793	9.05%
19	81.54	ICD9	TOTAL KNEE REPLACEMENT	10,144	15.85%	93971	CPT	EXTREMITY STUDY	5,722	8.94%
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	9,344	14.60%	97140	CPT	MANUAL THERAPY 1/> REGIONS	5,689	8.89%
21	01402	CPT	ANESTH KNEE ARTHROPLASTY	8,845	13.82%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	5,519	8.62%
22	27447	CPT	TOTAL KNEE ARTHROPLASTY	8,624	13.47%	82565	CPT	ASSAY OF CREATININE	5,256	8.21%
23	86900	CPT	BLOOD TYPING ABO	8,261	12.91%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	5,196	8.12%
24	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	8,198	12.81%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	5,007	7.82%
25	86901	CPT	BLOOD TYPING RH (D)	8,153	12.74%	99232	CPT	SUBSEQUENT HOSPITAL CARE	4,767	7.45%
26	80061	CPT	LIPID PANEL	8,045	12.57%	89240	CPT	PATHOLOGY LAB PROCEDURE	4,487	7.01%
27	86850	CPT	RBC ANTIBODY SCREEN	7,879	12.31%	84443	CPT	ASSAY THYROID STIM HORMONE	4,349	6.79%
28	81003	CPT	URINALYSIS AUTO W/O SCOPE	7,760	12.12%	99285	CPT	EMERGENCY DEPT VISIT	4,201	6.56%
29	93970	CPT	EXTREMITY STUDY	7,302	11.41%	36416	CPT	CAPILLARY BLOOD DRAW	4,175	6.52%
30	93005	CPT	ELECTROCARDIOGRAM TRACING	7,192	11.24%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	4,124	6.44%
31	81001	CPT	URINALYSIS AUTO W/SCOPE	7,077	11.06%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	4,052	6.33%
32	99222	CPT	INITIAL HOSPITAL CARE	6,928	10.82%	93306	CPT	TTE W/DOPPLER COMPLETE	4,019	6.28%
33	88305	CPT	TISSUE EXAM BY PATHOLOGIST	6,689	10.45%	S9131	HCPCS	PHYSICAL THERAPY; HOME PER DIEM	3,925	6.13%
34	93971	CPT	EXTREMITY STUDY	6,611	10.33%	99284	CPT	EMERGENCY DEPT VISIT	3,748	5.86%
35	82565	CPT	ASSAY OF CREATININE	6,606	10.32%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	3,416	5.34%
36	99239	CPT	HOSPITAL DISCHARGE DAY	6,495	10.15%	73562	CPT	X-RAY EXAM OF KNEE 3	3,413	5.33%
37	99238	CPT	HOSPITAL DISCHARGE DAY	6,357	9.93%	93005	CPT	ELECTROCARDIOGRAM TRACING	3,274	5.11%
38	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	5,950	9.30%	83735	CPT	ASSAY OF MAGNESIUM	3,206	5.01%
39	84443	CPT	ASSAY THYROID STIM HORMONE	5,790	9.05%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	3,182	4.97%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
40	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	5,617	8.78%	73510	CPT	X-RAY EXAM OF HIP	3,138	4.90%
41	83735	CPT	ASSAY OF MAGNESIUM	5,383	8.41%	84520	CPT	ASSAY OF UREA NITROGEN	3,093	4.83%
42	99254	CPT	INPATIENT CONSULTATION	5,377	8.40%	72170	CPT	X-RAY EXAM OF PELVIS	3,079	4.81%
43	99291	CPT	CRITICAL CARE FIRST HOUR	5,205	8.13%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	2,993	4.68%
44	71275	CPT	CT ANGIOGRAPHY CHEST	5,141	8.03%	S9123	HCPCS	NRS CARE HOM; REGISTERED NURSE-HOUR	2,882	4.50%
45	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	5,094	7.96%	81003	CPT	URINALYSIS AUTO W/O SCOPE	2,830	4.42%
46	81.51	ICD9	TOTAL HIP REPLACEMENT	5,029	7.86%	81001	CPT	URINALYSIS AUTO W/SCOPE	2,718	4.25%
47	84484	CPT	ASSAY OF TROPONIN QUANT	4,982	7.78%	84132	CPT	ASSAY OF SERUM POTASSIUM	2,688	4.20%
48	84132	CPT	ASSAY OF SERUM POTASSIUM	4,775	7.46%	99233	CPT	SUBSEQUENT HOSPITAL CARE	2,642	4.13%
49	99215	CPT	OFFICE/OUTPATIENT VISIT EST	4,732	7.39%	E0935	HCPCS	CONT PSV MOT EXER DEVC KNEE ONLY	2,640	4.12%
50	72170	CPT	X-RAY EXAM OF PELVIS	4,624	7.22%	99238	CPT	HOSPITAL DISCHARGE DAY	2,596	4.06%

65-74 years

<i>Total Number of Incident Warfarin Users</i>				62,707	100.00%					62,707	100.00%
1	99214	CPT	OFFICE/OUTPATIENT VISIT EST	22,201	35.40%	85610	CPT	PROTHROMBIN TIME	43,051	68.65%	
2	93010	CPT	ELECTROCARDIOGRAM REPORT	20,184	32.19%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	26,913	42.92%	
3	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	19,845	31.65%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	24,085	38.41%	
4	99213	CPT	OFFICE/OUTPATIENT VISIT EST	19,396	30.93%	36415	CPT	ROUTINE VENIPUNCTURE	23,455	37.40%	
5	85610	CPT	PROTHROMBIN TIME	19,059	30.39%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	15,648	24.95%	
6	99232	CPT	SUBSEQUENT HOSPITAL CARE	18,829	30.03%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	11,771	18.77%	
7	36415	CPT	ROUTINE VENIPUNCTURE	18,414	29.37%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	9,715	15.49%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	16,554	26.40%	80053	CPT	COMPREHEN METABOLIC PANEL	8,937	14.25%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	16,059	25.61%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	8,167	13.02%	
10	99223	CPT	INITIAL HOSPITAL CARE	14,811	23.62%	80048	CPT	METABOLIC PANEL TOTAL CA	7,995	12.75%	
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	14,434	23.02%	97001	CPT	PT EVALUATION	7,856	12.53%	
12	99233	CPT	SUBSEQUENT HOSPITAL CARE	12,241	19.52%	97110	CPT	THERAPEUTIC EXERCISES	7,717	12.31%	
13	99285	CPT	EMERGENCY DEPT VISIT	12,010	19.15%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	7,360	11.74%	
14	93306	CPT	TTE W/DOPPLER COMPLETE	11,984	19.11%	93010	CPT	ELECTROCARDIOGRAM REPORT	6,953	11.09%	
15	80053	CPT	COMPREHEN METABOLIC PANEL	11,343	18.09%	85027	CPT	COMPLETE CBC AUTOMATED	6,662	10.62%	
16	80048	CPT	METABOLIC PANEL TOTAL CA	10,573	16.86%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	6,447	10.28%	
17	99222	CPT	INITIAL HOSPITAL CARE	9,963	15.89%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	6,323	10.08%	
18	85027	CPT	COMPLETE CBC AUTOMATED	9,227	14.71%	82565	CPT	ASSAY OF CREATININE	5,900	9.41%	
19	99231	CPT	SUBSEQUENT HOSPITAL CARE	8,908	14.21%	80061	CPT	LIPID PANEL	5,805	9.26%	
20	81.54	ICD9	TOTAL KNEE REPLACEMENT	7,916	12.62%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	5,768	9.20%	
21	85730	CPT	THROMBOPLASTIN TIME PARTIAL	7,320	11.67%	99232	CPT	SUBSEQUENT HOSPITAL CARE	5,433	8.66%	
22	93005	CPT	ELECTROCARDIOGRAM TRACING	7,168	11.43%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	5,128	8.18%	
23	80061	CPT	LIPID PANEL	6,986	11.14%	84443	CPT	ASSAY THYROID STIM HORMONE	5,028	8.02%	
24	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	6,915	11.03%	93306	CPT	TTE W/DOPPLER COMPLETE	5,000	7.97%	
25	93970	CPT	EXTREMITY STUDY	6,862	10.94%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,847	7.73%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
26	82565	CPT	ASSAY OF CREATININE	6,836	10.90%	99285	CPT	EMERGENCY DEPT VISIT	4,807	7.67%
27	81003	CPT	URINALYSIS AUTO W/O SCOPE	6,701	10.69%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	4,454	7.10%
28	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	6,569	10.48%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	4,230	6.75%
29	99238	CPT	HOSPITAL DISCHARGE DAY	6,467	10.31%	93971	CPT	EXTREMITY STUDY	4,109	6.55%
30	01402	CPT	ANESTH KNEE ARTHROPLASTY	6,363	10.15%	93005	CPT	ELECTROCARDIOGRAM TRACING	3,937	6.28%
31	88305	CPT	TISSUE EXAM BY PATHOLOGIST	6,295	10.04%	99284	CPT	EMERGENCY DEPT VISIT	3,778	6.02%
32	86900	CPT	BLOOD TYPING ABO	6,245	9.96%	97140	CPT	MANUAL THERAPY 1/> REGIONS	3,721	5.93%
33	27447	CPT	TOTAL KNEE ARTHROPLASTY	6,228	9.93%	99223	CPT	INITIAL HOSPITAL CARE	3,631	5.79%
34	86901	CPT	BLOOD TYPING RH (D)	6,202	9.89%	84520	CPT	ASSAY OF UREA NITROGEN	3,605	5.75%
35	86850	CPT	RBC ANTIBODY SCREEN	6,157	9.82%	84132	CPT	ASSAY OF SERUM POTASSIUM	3,526	5.62%
36	99239	CPT	HOSPITAL DISCHARGE DAY	6,115	9.75%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	3,352	5.35%
37	84443	CPT	ASSAY THYROID STIM HORMONE	5,947	9.48%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	3,231	5.15%
38	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	5,377	8.57%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	3,197	5.10%
39	81001	CPT	URINALYSIS AUTO W/SCOPE	5,322	8.49%	85004	CPT	AUTOMATED DIFF WBC COUNT	3,139	5.01%
40	99291	CPT	CRITICAL CARE FIRST HOUR	5,280	8.42%	99239	CPT	HOSPITAL DISCHARGE DAY	3,137	5.00%
41	93971	CPT	EXTREMITY STUDY	5,208	8.31%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	3,135	5.00%
42	84484	CPT	ASSAY OF TROPONIN QUANT	5,105	8.14%	99233	CPT	SUBSEQUENT HOSPITAL CARE	3,085	4.92%
43	99215	CPT	OFFICE/OUTPATIENT VISIT EST	5,084	8.11%	83735	CPT	ASSAY OF MAGNESIUM	3,080	4.91%
44	99212	CPT	OFFICE/OUTPATIENT VISIT EST	4,855	7.74%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	3,067	4.89%
45	84132	CPT	ASSAY OF SERUM POTASSIUM	4,806	7.66%	99238	CPT	HOSPITAL DISCHARGE DAY	3,042	4.85%
46	83735	CPT	ASSAY OF MAGNESIUM	4,691	7.48%	81003	CPT	URINALYSIS AUTO W/O SCOPE	2,948	4.70%
47	84520	CPT	ASSAY OF UREA NITROGEN	4,591	7.32%	81001	CPT	URINALYSIS AUTO W/SCOPE	2,753	4.39%
48	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	4,576	7.30%	84484	CPT	ASSAY OF TROPONIN QUANT	2,704	4.31%
49	71275	CPT	CT ANGIOGRAPHY CHEST	4,541	7.24%	99024	CPT	POSTOP FOLLOW-UP VISIT	2,660	4.24%
50	99284	CPT	EMERGENCY DEPT VISIT	4,444	7.09%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	2,660	4.24%

75-84 years

<i>Total Number of Incident Warfarin Users</i>				54,594	100.00%					54,594	100.00%
1	99214	CPT	OFFICE/OUTPATIENT VISIT EST	18,663	34.19%	85610	CPT	PROTHROMBIN TIME	36,990	67.75%	
2	93010	CPT	ELECTROCARDIOGRAM REPORT	17,753	32.52%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	25,132	46.03%	
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	16,653	30.50%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	22,050	40.39%	
4	99232	CPT	SUBSEQUENT HOSPITAL CARE	16,323	29.90%	36415	CPT	ROUTINE VENIPUNCTURE	19,826	36.32%	
5	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	16,160	29.60%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	13,615	24.94%	
6	85610	CPT	PROTHROMBIN TIME	15,773	28.89%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	11,861	21.73%	
7	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	15,496	28.38%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	8,381	15.35%	
8	36415	CPT	ROUTINE VENIPUNCTURE	14,633	26.80%	80048	CPT	METABOLIC PANEL TOTAL CA	7,439	13.63%	
9	99223	CPT	INITIAL HOSPITAL CARE	13,794	25.27%	80053	CPT	COMPREEN METABOLIC PANEL	7,079	12.97%	
10	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	12,838	23.52%	93010	CPT	ELECTROCARDIOGRAM REPORT	6,700	12.27%	
11	99285	CPT	EMERGENCY DEPT VISIT	12,391	22.70%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	6,666	12.21%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
12	93000	CPT	ELECTROCARDIOGRAM COMPLETE	12,189	22.33%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	5,903	10.81%
13	93306	CPT	TTE W/DOPPLER COMPLETE	11,391	20.86%	85027	CPT	COMPLETE CBC AUTOMATED	5,848	10.71%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	11,077	20.29%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	5,767	10.56%
15	99222	CPT	INITIAL HOSPITAL CARE	9,203	16.86%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	5,718	10.47%
16	80053	CPT	COMPREHEN METABOLIC PANEL	8,238	15.09%	82565	CPT	ASSAY OF CREATININE	5,702	10.44%
17	80048	CPT	METABOLIC PANEL TOTAL CA	8,058	14.76%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	5,347	9.79%
18	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	7,646	14.01%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	5,214	9.55%
19	85027	CPT	COMPLETE CBC AUTOMATED	7,016	12.85%	84443	CPT	ASSAY THYROID STIM HORMONE	5,003	9.16%
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	6,943	12.72%	99285	CPT	EMERGENCY DEPT VISIT	4,970	9.10%
21	82565	CPT	ASSAY OF CREATININE	6,047	11.08%	93306	CPT	TTE W/DOPPLER COMPLETE	4,949	9.07%
22	99239	CPT	HOSPITAL DISCHARGE DAY	5,986	10.96%	99232	CPT	SUBSEQUENT HOSPITAL CARE	4,818	8.83%
23	99238	CPT	HOSPITAL DISCHARGE DAY	5,889	10.79%	80061	CPT	LIPID PANEL	4,813	8.82%
24	84443	CPT	ASSAY THYROID STIM HORMONE	5,790	10.61%	97001	CPT	PT EVALUATION	4,173	7.64%
25	93970	CPT	EXTREMITY STUDY	5,780	10.59%	97110	CPT	THERAPEUTIC EXERCISES	3,942	7.22%
26	93005	CPT	ELECTROCARDIOGRAM TRACING	5,351	9.80%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	3,893	7.13%
27	80061	CPT	LIPID PANEL	5,329	9.76%	84132	CPT	ASSAY OF SERUM POTASSIUM	3,747	6.86%
28	84484	CPT	ASSAY OF TROPONIN QUANT	5,177	9.48%	99284	CPT	EMERGENCY DEPT VISIT	3,702	6.78%
29	81003	CPT	URINALYSIS AUTO W/O SCOPE	4,988	9.14%	84520	CPT	ASSAY OF UREA NITROGEN	3,626	6.64%
30	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,750	8.70%	99223	CPT	INITIAL HOSPITAL CARE	3,612	6.62%
31	70450	CPT	CT HEAD/BRAIN W/O DYE	4,736	8.67%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	3,555	6.51%
32	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVL 1	4,635	8.49%	93005	CPT	ELECTROCARDIOGRAM TRACING	3,424	6.27%
33	84132	CPT	ASSAY OF SERUM POTASSIUM	4,498	8.24%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	3,108	5.69%
34	99291	CPT	CRITICAL CARE FIRST HOUR	4,498	8.24%	85004	CPT	AUTOMATED DIFF WBC COUNT	3,103	5.68%
35	88305	CPT	TISSUE EXAM BY PATHOLOGIST	4,354	7.98%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	3,037	5.56%
36	99284	CPT	EMERGENCY DEPT VISIT	4,310	7.89%	99233	CPT	SUBSEQUENT HOSPITAL CARE	3,029	5.55%
37	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	4,280	7.84%	81003	CPT	URINALYSIS AUTO W/O SCOPE	3,018	5.53%
38	83735	CPT	ASSAY OF MAGNESIUM	4,250	7.78%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,001	5.50%
39	99212	CPT	OFFICE/OUTPATIENT VISIT EST	4,116	7.54%	84295	CPT	ASSAY OF SERUM SODIUM	2,955	5.41%
40	93971	CPT	EXTREMITY STUDY	4,055	7.43%	99239	CPT	HOSPITAL DISCHARGE DAY	2,848	5.22%
41	84520	CPT	ASSAY OF UREA NITROGEN	4,012	7.35%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	2,845	5.21%
42	99215	CPT	OFFICE/OUTPATIENT VISIT EST	3,909	7.16%	93971	CPT	EXTREMITY STUDY	2,840	5.20%
43	81001	CPT	URINALYSIS AUTO W/SCOPE	3,882	7.11%	99238	CPT	HOSPITAL DISCHARGE DAY	2,752	5.04%
44	84295	CPT	ASSAY OF SERUM SODIUM	3,836	7.03%	84484	CPT	ASSAY OF TROPONIN QUANT	2,740	5.02%
45	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	3,767	6.90%	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	2,678	4.91%
46	81.54	ICD9	TOTAL KNEE REPLACEMENT	3,723	6.82%	83735	CPT	ASSAY OF MAGNESIUM	2,628	4.81%
47	80051	CPT	ELECTROLYTE PANEL	3,668	6.72%	81001	CPT	URINALYSIS AUTO W/SCOPE	2,569	4.71%
48	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	3,651	6.69%	99222	CPT	INITIAL HOSPITAL CARE	2,522	4.62%
49	86850	CPT	RBC ANTIBODY SCREEN	3,649	6.68%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	2,475	4.53%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
50	71275	CPT	CT ANGIOGRAPHY CHEST	3,648	6.68%	G0152	HCPCS	SRVC OT HOM HLTH/HOSPICE EA 15 MIN	2,380	4.36%
≥85 years										
<i>Total Number of Incident Warfarin Users</i>				19,731	100.00%				19,731	100.00%
1	93010	CPT	ELECTROCARDIOGRAM REPORT	6,293	31.89%	85610	CPT	PROTHROMBIN TIME	12,444	63.07%
2	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	6,214	31.49%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	8,444	42.80%
3	99232	CPT	SUBSEQUENT HOSPITAL CARE	5,827	29.53%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	7,369	37.35%
4	99214	CPT	OFFICE/OUTPATIENT VISIT EST	5,586	28.31%	36415	CPT	ROUTINE VENIPUNCTURE	6,758	34.25%
5	85610	CPT	PROTHROMBIN TIME	5,467	27.71%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	4,553	23.08%
6	99285	CPT	EMERGENCY DEPT VISIT	5,333	27.03%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	3,610	18.30%
7	99213	CPT	OFFICE/OUTPATIENT VISIT EST	5,235	26.53%	80048	CPT	METABOLIC PANEL TOTAL CA	2,708	13.72%
8	99223	CPT	INITIAL HOSPITAL CARE	5,026	25.47%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	2,485	12.59%
9	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	4,937	25.02%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	2,387	12.10%
10	36415	CPT	ROUTINE VENIPUNCTURE	4,714	23.89%	93010	CPT	ELECTROCARDIOGRAM REPORT	2,385	12.09%
11	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	4,101	20.78%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	2,248	11.39%
12	93306	CPT	TTE W/DOPPLER COMPLETE	4,033	20.44%	80053	CPT	COMPREHEN METABOLIC PANEL	2,228	11.29%
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	3,927	19.90%	85027	CPT	COMPLETE CBC AUTOMATED	2,047	10.37%
14	93000	CPT	ELECTROCARDIOGRAM COMPLETE	3,581	18.15%	99285	CPT	EMERGENCY DEPT VISIT	2,030	10.29%
15	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,501	17.74%	82565	CPT	ASSAY OF CREATININE	2,001	10.14%
16	99222	CPT	INITIAL HOSPITAL CARE	3,384	17.15%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	1,995	10.11%
17	80048	CPT	METABOLIC PANEL TOTAL CA	2,641	13.39%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	1,986	10.07%
18	99239	CPT	HOSPITAL DISCHARGE DAY	2,511	12.73%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	1,865	9.45%
19	80053	CPT	COMPREHEN METABOLIC PANEL	2,349	11.91%	99232	CPT	SUBSEQUENT HOSPITAL CARE	1,729	8.76%
20	99238	CPT	HOSPITAL DISCHARGE DAY	2,313	11.72%	84443	CPT	ASSAY THYROID STIM HORMONE	1,725	8.74%
21	99231	CPT	SUBSEQUENT HOSPITAL CARE	2,219	11.25%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	1,632	8.27%
22	70450	CPT	CT HEAD/BRAIN W/O DYE	2,170	11.00%	93306	CPT	TTE W/DOPPLER COMPLETE	1,542	7.82%
23	93970	CPT	EXTREMITY STUDY	2,158	10.94%	84132	CPT	ASSAY OF SERUM POTASSIUM	1,503	7.62%
24	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVL 1	2,127	10.78%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	1,483	7.52%
25	85027	CPT	COMPLETE CBC AUTOMATED	2,121	10.75%	99223	CPT	INITIAL HOSPITAL CARE	1,420	7.20%
26	82565	CPT	ASSAY OF CREATININE	2,011	10.19%	99284	CPT	EMERGENCY DEPT VISIT	1,415	7.17%
27	84443	CPT	ASSAY THYROID STIM HORMONE	2,001	10.14%	84520	CPT	ASSAY OF UREA NITROGEN	1,306	6.62%
28	84484	CPT	ASSAY OF TROPONIN QUANT	1,979	10.03%	80061	CPT	LIPID PANEL	1,260	6.39%
29	99284	CPT	EMERGENCY DEPT VISIT	1,870	9.48%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	1,245	6.31%
30	93971	CPT	EXTREMITY STUDY	1,760	8.92%	99239	CPT	HOSPITAL DISCHARGE DAY	1,190	6.03%
31	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,612	8.17%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	1,160	5.88%
32	84132	CPT	ASSAY OF SERUM POTASSIUM	1,587	8.04%	99233	CPT	SUBSEQUENT HOSPITAL CARE	1,128	5.72%
33	93005	CPT	ELECTROCARDIOGRAM TRACING	1,553	7.87%	84295	CPT	ASSAY OF SERUM SODIUM	1,111	5.63%
34	99308	CPT	NURSING FAC CARE SUBSEQ	1,540	7.80%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	1,099	5.57%
35	99309	CPT	NURSING FAC CARE SUBSEQ	1,514	7.67%	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	1,099	5.57%
36	80061	CPT	LIPID PANEL	1,509	7.65%	93005	CPT	ELECTROCARDIOGRAM TRACING	1,076	5.45%
37	83735	CPT	ASSAY OF MAGNESIUM	1,505	7.63%	99238	CPT	HOSPITAL DISCHARGE DAY	1,069	5.42%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
38	83880	CPT	ASSAY OF NATRIURETIC PEPTIDE	1,492	7.56%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,062	5.38%
39	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	1,484	7.52%	84484	CPT	ASSAY OF TROPONIN QUANT	1,053	5.34%
40	84520	CPT	ASSAY OF UREA NITROGEN	1,452	7.36%	85004	CPT	AUTOMATED DIFF WBC COUNT	1,017	5.15%
41	99291	CPT	CRITICAL CARE FIRST HOUR	1,437	7.28%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,013	5.13%
42	84295	CPT	ASSAY OF SERUM SODIUM	1,409	7.14%	93971	CPT	EXTREMITY STUDY	980	4.97%
43	85730	CPT	THROMBOPLASTIN TIME PARTIAL	1,380	6.99%	99222	CPT	INITIAL HOSPITAL CARE	978	4.96%
44	80051	CPT	ELECTROLYTE PANEL	1,369	6.94%	G0152	HCPCS	SRVC OT HOM HLTH/HOSPICE EA 15 MIN	963	4.88%
45	A0428	HCPCS	AMB SERVICE BLS NONEMERG TRANSPORT	1,303	6.60%	G0180	HCPCS	PHYS CERT MCR-COVR HOM HLTH SRVC	953	4.83%
46	99212	CPT	OFFICE/OUTPATIENT VISIT EST	1,295	6.56%	70450	CPT	CT HEAD/BRAIN W/O DYE	951	4.82%
47	82435	CPT	ASSAY OF BLOOD CHLORIDE	1,289	6.53%	99308	CPT	NURSING FAC CARE SUBSEQ	947	4.80%
48	99221	CPT	INITIAL HOSPITAL CARE	1,264	6.41%	97001	CPT	PT EVALUATION	941	4.77%
49	82374	CPT	ASSAY BLOOD CARBON DIOXIDE	1,262	6.40%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	908	4.60%
50	73510	CPT	X-RAY EXAM OF HIP	1,250	6.34%	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	904	4.58%

Table 3a. Top Prevalent International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout and Sex

Rank	30 days Prior to Incident Warfarin Use				30 days Post-Incident Warfarin Use				
	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users	
183-Day Washout									
<i>Female</i>									
<i>Total Number of Incident Warfarin Users</i>			165,449	100.00%				165,449	100.00%
1	427.31	ATRIAL_FIBRILLATION	40,488	24.47%	427.31	ATRIAL_FIBRILLATION	47,170	28.51%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	18,239	11.02%	V72.60	LABORATORY_EXAMINATION_UNSPECI	4,766	2.88%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	15,967	9.65%	790.92	ABNORMAL_COAGULATION_PROFILE	4,237	2.56%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	11,415	6.90%	794.31	NONSPECIFIC_ABNORMAL_ECG	3,988	2.41%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	9,203	5.56%	427.32	ATRIAL_FLUTTER	3,625	2.19%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	7,570	4.58%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,571	2.16%	
7	427.32	ATRIAL_FLUTTER	4,496	2.72%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	2,767	1.67%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	4,034	2.44%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	2,608	1.58%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	3,138	1.90%	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,538	1.53%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	3,004	1.82%	790.29	OTHER_ABNORMAL_GLUCOSE	2,113	1.28%	
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,980	1.80%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,935	1.17%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	2,357	1.42%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,765	1.07%	
13	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	2,328	1.41%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,617	0.98%	
14	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	2,271	1.37%	998.59	OTHER_POSTOPERATIVE_INFECTION_	1,181	0.71%	
15	790.92	ABNORMAL_COAGULATION_PROFILE	1,823	1.10%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	792	0.48%	
16	427.69	OTHER_PREMATURE_BEATS	1,267	0.77%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	764	0.46%	
17	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,241	0.75%	427.69	OTHER_PREMATURE_BEATS	731	0.44%	
18	998.59	OTHER_POSTOPERATIVE_INFECTION_	1,006	0.61%	790.21	IMPAIRED_FASTING_GLUCOSE	713	0.43%	
19	790.21	IMPAIRED_FASTING_GLUCOSE	1,005	0.61%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	663	0.40%	
20	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	961	0.58%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	554	0.33%	
21	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	839	0.51%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	508	0.31%	
22	998.12	HEMATOMA_COMPLICATING_A_PROC_N	633	0.38%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	489	0.30%	
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	582	0.35%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	485	0.29%	
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	550	0.33%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	471	0.28%	
25	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	526	0.32%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	425	0.26%	

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users	
Male									
<i>Total Number of Incident Warfarin Users</i>			180,708	100.00%				180,708	100.00%
1	427.31	ATRIAL_FIBRILLATION	53,410	29.56%	427.31	ATRIAL_FIBRILLATION	64,415	35.65%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	15,801	8.74%	427.32	ATRIAL_FLUTTER	8,342	4.62%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	12,585	6.96%	V72.60	LABORATORY_EXAMINATION_UNSPECI	5,351	2.96%	
4	794.31	NONSPECIFIC_ABNORMAL_ECG	10,490	5.80%	794.31	NONSPECIFIC_ABNORMAL_ECG	5,322	2.95%	
5	V72.81	PRE-OPERATIVE_CV_EXAMINATION	10,437	5.78%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	4,319	2.39%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	9,022	4.99%	790.92	ABNORMAL_COAGULATION_PROFILE	3,924	2.17%	
7	427.32	ATRIAL_FLUTTER	9,009	4.99%	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,982	1.65%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	4,883	2.70%	790.29	OTHER_ABNORMAL_GLUCOSE	2,541	1.41%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	3,665	2.03%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	2,467	1.37%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	3,151	1.74%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	2,159	1.19%	
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,380	1.32%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	2,093	1.16%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	2,336	1.29%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,817	1.01%	
13	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	2,208	1.22%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,788	0.99%	
14	427.69	OTHER_PREMATURE_BEATS	1,917	1.06%	998.59	OTHER_POSTOPERATIVE_INFECTION_	1,182	0.65%	
15	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,817	1.01%	427.69	OTHER_PREMATURE_BEATS	1,160	0.64%	
16	790.92	ABNORMAL_COAGULATION_PROFILE	1,668	0.92%	790.21	IMPAIRED_FASTING_GLUCOSE	916	0.51%	
17	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,561	0.86%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	850	0.47%	
18	790.21	IMPAIRED_FASTING_GLUCOSE	1,153	0.64%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	764	0.42%	
19	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	997	0.55%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	613	0.34%	
20	998.59	OTHER_POSTOPERATIVE_INFECTION_	995	0.55%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	572	0.32%	
21	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	974	0.54%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	523	0.29%	
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	972	0.54%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	504	0.28%	
23	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	849	0.47%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	500	0.28%	
24	998.12	HEMATOMA_COMPLICATING_A_PROC_N	726	0.40%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	486	0.27%	
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	714	0.40%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	472	0.26%	

365-Day Washout

Female

<i>Total Number of Incident Warfarin Users</i>			126,153	100.00%				126,153	100.00%
1	427.31	ATRIAL_FIBRILLATION	28,997	22.99%	427.31	ATRIAL_FIBRILLATION	34,808	27.59%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	15,964	12.65%	V72.60	LABORATORY_EXAMINATION_UNSPECI	4,039	3.20%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	14,262	11.31%	790.92	ABNORMAL_COAGULATION_PROFILE	3,511	2.78%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	10,015	7.94%	794.31	NONSPECIFIC_ABNORMAL_ECG	3,386	2.68%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	8,030	6.37%	427.32	ATRIAL_FLUTTER	3,005	2.38%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	6,516	5.17%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	2,956	2.34%	
7	427.32	ATRIAL_FLUTTER	3,804	3.02%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	2,315	1.84%	

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
8	790.29	OTHER_ABNORMAL_GLUCOSE	3,557	2.82%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	2,252	1.79%
9	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,603	2.06%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,883	1.49%
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,438	1.93%	790.29	OTHER_ABNORMAL_GLUCOSE	1,781	1.41%
11	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,419	1.92%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,499	1.19%
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	2,004	1.59%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,327	1.05%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,907	1.51%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,310	1.04%
14	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,781	1.41%	998.59	OTHER_POSTOPERATIVE_INFECTIO	1,001	0.79%
15	790.92	ABNORMAL_COAGULATION_PROFILE	1,447	1.15%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	661	0.52%
16	427.69	OTHER_PREMATURE_BEATS	1,083	0.86%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	631	0.50%
17	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,040	0.82%	427.69	OTHER_PREMATURE_BEATS	609	0.48%
18	790.21	IMPAIRED_FASTING_GLUCOSE	848	0.67%	790.21	IMPAIRED_FASTING_GLUCOSE	578	0.46%
19	998.59	OTHER_POSTOPERATIVE_INFECTIO	848	0.67%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	528	0.42%
20	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	848	0.67%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	472	0.37%
21	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	733	0.58%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	434	0.34%
22	998.12	HEMATOMA_COMPLICATING_A_PROC_N	530	0.42%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	422	0.33%
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	497	0.39%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	415	0.33%
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	451	0.36%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	402	0.32%
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	445	0.35%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	368	0.29%

Male

<i>Total Number of Incident Warfarin Users</i>			131,680	100.00%				131,680	100.00%
1	427.31	ATRIAL_FIBRILLATION	37,543	28.51%	427.31	ATRIAL_FIBRILLATION	46,792	35.53%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	13,672	10.38%	427.32	ATRIAL_FLUTTER	6,868	5.22%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	11,119	8.44%	V72.60	LABORATORY_EXAMINATION_UNSPECI	4,385	3.33%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	9,026	6.85%	794.31	NONSPECIFIC_ABNORMAL_ECG	4,362	3.31%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	8,960	6.80%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,565	2.71%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	7,735	5.87%	790.92	ABNORMAL_COAGULATION_PROFILE	3,174	2.41%	
7	427.32	ATRIAL_FLUTTER	7,556	5.74%	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,178	1.65%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	4,158	3.16%	790.29	OTHER_ABNORMAL_GLUCOSE	2,063	1.57%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,791	2.12%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,993	1.51%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,445	1.86%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,788	1.36%	
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,030	1.54%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,567	1.19%	
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,919	1.46%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,442	1.10%	
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,824	1.39%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,348	1.02%	
14	427.69	OTHER_PREMATURE_BEATS	1,620	1.23%	998.59	OTHER_POSTOPERATIVE_INFECTIO	973	0.74%	
15	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	1,368	1.04%	427.69	OTHER_PREMATURE_BEATS	967	0.73%	
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,314	1.00%	790.21	IMPAIRED_FASTING_GLUCOSE	710	0.54%	

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
17	790.92	ABNORMAL_COAGULATION_PROFILE	1,246	0.95%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	700	0.53%
18	790.21	IMPAIRED_FASTING_GLUCOSE	938	0.71%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	627	0.48%
19	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	844	0.64%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	482	0.37%
20	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	834	0.63%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	469	0.36%
21	998.59	OTHER_POSTOPERATIVE_INFECTION_	831	0.63%	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	443	0.34%
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	823	0.63%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	403	0.31%
23	427.61	SUPRAVENTRICULAR_PREMATURE_BEAT	738	0.56%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	399	0.30%
24	998.12	HEMATOMA_COMPLICATING_A_PROC_N	647	0.49%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	392	0.30%
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	633	0.48%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	391	0.30%

Table 3b. Top 50 Prevalent Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS), and International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Procedure Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout and Sex

Rank	30 days Prior to Incident Warfarin Use					30 days Post-Incident Warfarin Use					
	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users	
183-Day Washout											
<i>Female</i>											
<i>Total Number of Incident Warfarin Users</i>				165,449	100.00%					165,449	100.00%
1	85610	CPT	PROTHROMBIN TIME	60,235	36.41%	85610	CPT	PROTHROMBIN TIME	113,570	68.64%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	52,752	31.88%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	63,795	38.56%	
3	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	50,661	30.62%	36415	CPT	ROUTINE VENIPUNCTURE	61,856	37.39%	
4	99213	CPT	OFFICE/OUTPATIENT VISIT EST	49,807	30.10%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	59,656	36.06%	
5	36415	CPT	ROUTINE VENIPUNCTURE	48,207	29.14%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	40,526	24.49%	
6	93010	CPT	ELECTROCARDIOGRAM REPORT	45,781	27.67%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	23,055	13.93%	
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	45,255	27.35%	80053	CPT	COMPREHEN METABOLIC PANEL	22,952	13.87%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	36,162	21.86%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	21,076	12.74%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	35,692	21.57%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	21,075	12.74%	
10	99223	CPT	INITIAL HOSPITAL CARE	33,637	20.33%	97110	CPT	THERAPEUTIC EXERCISES	19,210	11.61%	
11	99285	CPT	EMERGENCY DEPT VISIT	31,511	19.05%	80048	CPT	METABOLIC PANEL TOTAL CA	19,064	11.52%	
12	80053	CPT	COMPREHEN METABOLIC PANEL	29,574	17.87%	97001	CPT	PT EVALUATION	18,805	11.37%	
13	93000	CPT	ELECTROCARDIOGRAM COMPLETE	29,324	17.72%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	17,584	10.63%	
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	28,758	17.38%	85027	CPT	COMPLETE CBC AUTOMATED	15,993	9.67%	
15	80048	CPT	METABOLIC PANEL TOTAL CA	27,663	16.72%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	15,659	9.46%	
16	93306	CPT	TTE W/DOPPLER COMPLETE	24,904	15.05%	93010	CPT	ELECTROCARDIOGRAM REPORT	15,613	9.44%	
17	85027	CPT	COMPLETE CBC AUTOMATED	22,342	13.50%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	14,248	8.61%	
18	99222	CPT	INITIAL HOSPITAL CARE	21,215	12.82%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	13,611	8.23%	
19	99231	CPT	SUBSEQUENT HOSPITAL CARE	20,731	12.53%	99285	CPT	EMERGENCY DEPT VISIT	13,417	8.11%	
20	85730	CPT	THROMBOPLASTIN TIME PARTIAL	20,489	12.38%	82565	CPT	ASSAY OF CREATININE	13,027	7.87%	
21	93970	CPT	EXTREMITY STUDY	18,326	11.08%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	13,027	7.87%	
22	81.54	ICD9	TOTAL KNEE REPLACEMENT	17,912	10.83%	99232	CPT	SUBSEQUENT HOSPITAL CARE	12,639	7.64%	
23	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	17,471	10.56%	84443	CPT	ASSAY THYROID STIM HORMONE	12,467	7.54%	
24	99239	CPT	HOSPITAL DISCHARGE DAY	16,335	9.87%	93971	CPT	EXTREMITY STUDY	12,431	7.51%	
25	99238	CPT	HOSPITAL DISCHARGE DAY	16,245	9.82%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	12,396	7.49%	
26	93971	CPT	EXTREMITY STUDY	16,134	9.75%	80061	CPT	LIPID PANEL	12,314	7.44%	
27	81003	CPT	URINALYSIS AUTO W/O SCOPE	15,908	9.62%	99284	CPT	EMERGENCY DEPT VISIT	11,342	6.86%	
28	93005	CPT	ELECTROCARDIOGRAM TRACING	15,631	9.45%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	9,845	5.95%	
29	84443	CPT	ASSAY THYROID STIM HORMONE	15,535	9.39%	97140	CPT	MANUAL THERAPY 1/> REGIONS	9,399	5.68%	

CPT= Current Procedural Terminology

HCPCS= Healthcare Common Procedure Coding System

ICD9= International Classification of Diseases, Ninth Revision

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
30	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	15,462	9.35%	93306	CPT	TTE W/DOPPLER COMPLETE	9,327	5.64%
31	81001	CPT	URINALYSIS AUTO W/SCOPE	15,428	9.32%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	8,809	5.32%
32	82565	CPT	ASSAY OF CREATININE	15,358	9.28%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	8,803	5.32%
33	01402	CPT	ANESTH KNEE ARTHROPLASTY	15,273	9.23%	93005	CPT	ELECTROCARDIOGRAM TRACING	8,429	5.09%
34	80061	CPT	LIPID PANEL	15,171	9.17%	99223	CPT	INITIAL HOSPITAL CARE	8,365	5.06%
35	27447	CPT	TOTAL KNEE ARTHROPLASTY	14,839	8.97%	81001	CPT	URINALYSIS AUTO W/SCOPE	7,856	4.75%
36	86900	CPT	BLOOD TYPING ABO	14,821	8.96%	84520	CPT	ASSAY OF UREA NITROGEN	7,732	4.67%
37	86901	CPT	BLOOD TYPING RH (D)	14,679	8.87%	81003	CPT	URINALYSIS AUTO W/O SCOPE	7,646	4.62%
38	86850	CPT	RBC ANTIBODY SCREEN	14,319	8.65%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	7,571	4.58%
39	88305	CPT	TISSUE EXAM BY PATHOLOGIST	13,996	8.46%	84132	CPT	ASSAY OF SERUM POTASSIUM	7,486	4.52%
40	71275	CPT	CT ANGIOGRAPHY CHEST	12,915	7.81%	99239	CPT	HOSPITAL DISCHARGE DAY	7,415	4.48%
41	99284	CPT	EMERGENCY DEPT VISIT	12,901	7.80%	99233	CPT	SUBSEQUENT HOSPITAL CARE	7,293	4.41%
42	99212	CPT	OFFICE/OUTPATIENT VISIT EST	12,168	7.35%	99238	CPT	HOSPITAL DISCHARGE DAY	7,247	4.38%
43	84484	CPT	ASSAY OF TROPONIN QUANT	11,819	7.14%	36416	CPT	CAPILLARY BLOOD DRAW	7,239	4.38%
44	83735	CPT	ASSAY OF MAGNESIUM	11,246	6.80%	83735	CPT	ASSAY OF MAGNESIUM	7,182	4.34%
45	99291	CPT	CRITICAL CARE FIRST HOUR	11,228	6.79%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	7,052	4.26%
46	99215	CPT	OFFICE/OUTPATIENT VISIT EST	11,072	6.69%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	6,995	4.23%
47	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	10,847	6.56%	73510	CPT	X-RAY EXAM OF HIP	6,990	4.22%
48	84520	CPT	ASSAY OF UREA NITROGEN	10,466	6.33%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	6,893	4.17%
49	70450	CPT	CT HEAD/BRAIN W/O DYE	10,278	6.21%	85004	CPT	AUTOMATED DIFF WBC COUNT	6,677	4.04%
50	84132	CPT	ASSAY OF SERUM POTASSIUM	10,005	6.05%	84484	CPT	ASSAY OF TROPONIN QUANT	6,573	3.97%

Male

<i>Total Number of Incident Warfarin Users</i>				<i>180,708</i>	<i>100.00%</i>				<i>180,708</i>	<i>100.00%</i>
1	85610	CPT	PROTHROMBIN TIME	65,521	36.26%	85610	CPT	PROTHROMBIN TIME	127,978	70.82%
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	54,873	30.37%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	72,371	40.05%
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	50,515	27.95%	36415	CPT	ROUTINE VENIPUNCTURE	68,934	38.15%
4	36415	CPT	ROUTINE VENIPUNCTURE	50,487	27.94%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	66,565	36.84%
5	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	49,676	27.49%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	41,321	22.87%
6	93010	CPT	ELECTROCARDIOGRAM REPORT	47,916	26.52%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	30,289	16.76%
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	44,760	24.77%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	28,835	15.96%
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	39,519	21.87%	80053	CPT	COMPREHEN METABOLIC PANEL	24,502	13.56%
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	38,354	21.22%	80048	CPT	METABOLIC PANEL TOTAL CA	21,565	11.93%
10	99223	CPT	INITIAL HOSPITAL CARE	35,040	19.39%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	17,794	9.85%
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	33,243	18.40%	80061	CPT	LIPID PANEL	17,536	9.70%
12	99285	CPT	EMERGENCY DEPT VISIT	31,280	17.31%	93010	CPT	ELECTROCARDIOGRAM REPORT	17,426	9.64%
13	80053	CPT	COMPREHEN METABOLIC PANEL	30,501	16.88%	85027	CPT	COMPLETE CBC AUTOMATED	17,126	9.48%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	30,321	16.78%	97110	CPT	THERAPEUTIC EXERCISES	16,137	8.93%
15	93306	CPT	TTE W/DOPPLER COMPLETE	29,813	16.50%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	15,975	8.84%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
16	80048	CPT	METABOLIC PANEL TOTAL CA	27,442	15.19%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	15,945	8.82%
17	85027	CPT	COMPLETE CBC AUTOMATED	21,839	12.09%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	15,675	8.67%
18	85730	CPT	THROMBOPLASTIN TIME PARTIAL	21,402	11.84%	97001	CPT	PT EVALUATION	15,222	8.42%
19	99222	CPT	INITIAL HOSPITAL CARE	20,792	11.51%	82565	CPT	ASSAY OF CREATININE	14,895	8.24%
20	80061	CPT	LIPID PANEL	20,326	11.25%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	14,776	8.18%
21	99231	CPT	SUBSEQUENT HOSPITAL CARE	20,129	11.14%	93306	CPT	TTE W/DOPPLER COMPLETE	13,055	7.22%
22	93970	CPT	EXTREMITY STUDY	17,329	9.59%	93971	CPT	EXTREMITY STUDY	12,463	6.90%
23	99238	CPT	HOSPITAL DISCHARGE DAY	16,544	9.16%	99285	CPT	EMERGENCY DEPT VISIT	12,304	6.81%
24	99239	CPT	HOSPITAL DISCHARGE DAY	16,457	9.11%	99232	CPT	SUBSEQUENT HOSPITAL CARE	12,118	6.71%
25	82565	CPT	ASSAY OF CREATININE	16,166	8.95%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	12,097	6.69%
26	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	15,964	8.83%	84443	CPT	ASSAY THYROID STIM HORMONE	11,973	6.63%
27	93005	CPT	ELECTROCARDIOGRAM TRACING	15,528	8.59%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	11,924	6.60%
28	93971	CPT	EXTREMITY STUDY	15,521	8.59%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	11,805	6.53%
29	81003	CPT	URINALYSIS AUTO W/O SCOPE	14,873	8.23%	99284	CPT	EMERGENCY DEPT VISIT	10,232	5.66%
30	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	14,238	7.88%	93005	CPT	ELECTROCARDIOGRAM TRACING	9,633	5.33%
31	99291	CPT	CRITICAL CARE FIRST HOUR	14,077	7.79%	36416	CPT	CAPILLARY BLOOD DRAW	9,130	5.05%
32	84443	CPT	ASSAY THYROID STIM HORMONE	13,810	7.64%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	8,950	4.95%
33	88305	CPT	TISSUE EXAM BY PATHOLOGIST	13,391	7.41%	84520	CPT	ASSAY OF UREA NITROGEN	8,768	4.85%
34	84484	CPT	ASSAY OF TROPONIN QUANT	13,319	7.37%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	8,612	4.77%
35	83735	CPT	ASSAY OF MAGNESIUM	12,756	7.06%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	8,422	4.66%
36	86900	CPT	BLOOD TYPING ABO	12,443	6.89%	84132	CPT	ASSAY OF SERUM POTASSIUM	8,215	4.55%
37	86901	CPT	BLOOD TYPING RH (D)	12,271	6.79%	99223	CPT	INITIAL HOSPITAL CARE	8,191	4.53%
38	99212	CPT	OFFICE/OUTPATIENT VISIT EST	12,120	6.71%	83735	CPT	ASSAY OF MAGNESIUM	8,051	4.46%
39	71275	CPT	CT ANGIOGRAPHY CHEST	12,067	6.68%	97140	CPT	MANUAL THERAPY 1/> REGIONS	7,968	4.41%
40	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	12,041	6.66%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	7,699	4.26%
41	86850	CPT	RBC ANTIBODY SCREEN	12,027	6.66%	84153	CPT	ASSAY OF PSA TOTAL	7,575	4.19%
42	81001	CPT	URINALYSIS AUTO W/SCOPE	12,007	6.64%	81003	CPT	URINALYSIS AUTO W/O SCOPE	7,425	4.11%
43	99284	CPT	EMERGENCY DEPT VISIT	11,899	6.58%	89240	CPT	PATHOLOGY LAB PROCEDURE	7,409	4.10%
44	99215	CPT	OFFICE/OUTPATIENT VISIT EST	11,720	6.49%	99239	CPT	HOSPITAL DISCHARGE DAY	7,309	4.04%
45	84132	CPT	ASSAY OF SERUM POTASSIUM	11,481	6.35%	99233	CPT	SUBSEQUENT HOSPITAL CARE	7,290	4.03%
46	81.54	ICD9	TOTAL KNEE REPLACEMENT	11,427	6.32%	99238	CPT	HOSPITAL DISCHARGE DAY	7,285	4.03%
47	84520	CPT	ASSAY OF UREA NITROGEN	10,741	5.94%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	6,857	3.79%
48	70450	CPT	CT HEAD/BRAIN W/O DYE	10,323	5.71%	85004	CPT	AUTOMATED DIFF WBC COUNT	6,691	3.70%
49	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	10,218	5.65%	84484	CPT	ASSAY OF TROPONIN QUANT	6,683	3.70%
50	99211	CPT	OFFICE/OUTPATIENT VISIT EST	10,102	5.59%	84460	CPT	ALANINE AMINO (ALT) (SGPT)	6,552	3.63%

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users	
365-Day Washout											
<i>Female</i>											
<i>Total Number of Incident Warfarin Users</i>				126,153	100.00%					126,153	100.00%
1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	42,666	33.82%	85610	CPT	PROTHROMBIN TIME	87,518	69.37%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	41,710	33.06%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	51,137	40.54%	
3	85610	CPT	PROTHROMBIN TIME	40,998	32.50%	36415	CPT	ROUTINE VENIPUNCTURE	48,319	38.30%	
4	93010	CPT	ELECTROCARDIOGRAM REPORT	39,703	31.47%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	47,378	37.56%	
5	99232	CPT	SUBSEQUENT HOSPITAL CARE	39,242	31.11%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	33,382	26.46%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	38,895	30.83%	80053	CPT	COMPREHEN METABOLIC PANEL	18,179	14.41%	
7	36415	CPT	ROUTINE VENIPUNCTURE	36,662	29.06%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	18,112	14.36%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	31,615	25.06%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	17,670	14.01%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	30,740	24.37%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	17,638	13.98%	
10	99223	CPT	INITIAL HOSPITAL CARE	29,210	23.15%	97110	CPT	THERAPEUTIC EXERCISES	16,545	13.12%	
11	99285	CPT	EMERGENCY DEPT VISIT	27,299	21.64%	97001	CPT	PT EVALUATION	16,449	13.04%	
12	93000	CPT	ELECTROCARDIOGRAM COMPLETE	25,400	20.13%	80048	CPT	METABOLIC PANEL TOTAL CA	15,753	12.49%	
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	25,003	19.82%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	15,317	12.14%	
14	80053	CPT	COMPREHEN METABOLIC PANEL	24,126	19.12%	85027	CPT	COMPLETE CBC AUTOMATED	13,564	10.75%	
15	80048	CPT	METABOLIC PANEL TOTAL CA	23,361	18.52%	93010	CPT	ELECTROCARDIOGRAM REPORT	12,923	10.24%	
16	93306	CPT	TTE W/DOPPLER COMPLETE	21,510	17.05%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	12,467	9.88%	
17	85027	CPT	COMPLETE CBC AUTOMATED	19,303	15.30%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	11,936	9.46%	
18	99222	CPT	INITIAL HOSPITAL CARE	18,401	14.59%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	11,205	8.88%	
19	99231	CPT	SUBSEQUENT HOSPITAL CARE	18,038	14.30%	99285	CPT	EMERGENCY DEPT VISIT	11,113	8.81%	
20	85730	CPT	THROMBOPLASTIN TIME PARTIAL	17,534	13.90%	82565	CPT	ASSAY OF CREATININE	10,955	8.68%	
21	93970	CPT	EXTREMITY STUDY	16,110	12.77%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	10,829	8.58%	
22	81.54	ICD9	TOTAL KNEE REPLACEMENT	15,972	12.66%	93971	CPT	EXTREMITY STUDY	10,812	8.57%	
23	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	15,084	11.96%	99232	CPT	SUBSEQUENT HOSPITAL CARE	10,620	8.42%	
24	99239	CPT	HOSPITAL DISCHARGE DAY	14,177	11.24%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	10,371	8.22%	
25	93971	CPT	EXTREMITY STUDY	14,084	11.16%	84443	CPT	ASSAY THYROID STIM HORMONE	9,967	7.90%	
26	99238	CPT	HOSPITAL DISCHARGE DAY	13,957	11.06%	99284	CPT	EMERGENCY DEPT VISIT	9,547	7.57%	
27	81003	CPT	URINALYSIS AUTO W/O SCOPE	13,810	10.95%	80061	CPT	LIPID PANEL	9,248	7.33%	
28	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	13,610	10.79%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	8,645	6.85%	
29	93005	CPT	ELECTROCARDIOGRAM TRACING	13,381	10.61%	97140	CPT	MANUAL THERAPY 1/> REGIONS	8,041	6.37%	
30	01402	CPT	ANESTH KNEE ARTHROPLASTY	13,350	10.58%	93306	CPT	TTE W/DOPPLER COMPLETE	7,761	6.15%	
31	86900	CPT	BLOOD TYPING ABO	13,278	10.53%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	7,279	5.77%	
32	86901	CPT	BLOOD TYPING RH (D)	13,116	10.40%	93005	CPT	ELECTROCARDIOGRAM TRACING	6,947	5.51%	
33	82565	CPT	ASSAY OF CREATININE	13,099	10.38%	99223	CPT	INITIAL HOSPITAL CARE	6,923	5.49%	
34	27447	CPT	TOTAL KNEE ARTHROPLASTY	13,049	10.34%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	6,682	5.30%	
35	81001	CPT	URINALYSIS AUTO W/SCOPE	12,966	10.28%	84520	CPT	ASSAY OF UREA NITROGEN	6,627	5.25%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
36	86850	CPT	RBC ANTIBODY SCREEN	12,840	10.18%	84132	CPT	ASSAY OF SERUM POTASSIUM	6,383	5.06%
37	84443	CPT	ASSAY THYROID STIM HORMONE	12,768	10.12%	81001	CPT	URINALYSIS AUTO W/SCOPE	6,334	5.02%
38	88305	CPT	TISSUE EXAM BY PATHOLOGIST	12,009	9.52%	81003	CPT	URINALYSIS AUTO W/O SCOPE	6,329	5.02%
39	80061	CPT	LIPID PANEL	11,803	9.36%	99239	CPT	HOSPITAL DISCHARGE DAY	6,281	4.98%
40	71275	CPT	CT ANGIOGRAPHY CHEST	11,357	9.00%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	6,112	4.84%
41	99284	CPT	EMERGENCY DEPT VISIT	10,888	8.63%	99238	CPT	HOSPITAL DISCHARGE DAY	6,104	4.84%
42	84484	CPT	ASSAY OF TROPONIN QUANT	10,344	8.20%	73510	CPT	X-RAY EXAM OF HIP	6,102	4.84%
43	83735	CPT	ASSAY OF MAGNESIUM	9,817	7.78%	99233	CPT	SUBSEQUENT HOSPITAL CARE	6,094	4.83%
44	99291	CPT	CRITICAL CARE FIRST HOUR	9,776	7.75%	83735	CPT	ASSAY OF MAGNESIUM	5,939	4.71%
45	99212	CPT	OFFICE/OUTPATIENT VISIT EST	9,390	7.44%	85004	CPT	AUTOMATED DIFF WBC COUNT	5,918	4.69%
46	99215	CPT	OFFICE/OUTPATIENT VISIT EST	9,073	7.19%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	5,800	4.60%
47	70450	CPT	CT HEAD/BRAIN W/O DYE	8,826	7.00%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	5,741	4.55%
48	84132	CPT	ASSAY OF SERUM POTASSIUM	8,769	6.95%	36416	CPT	CAPILLARY BLOOD DRAW	5,675	4.50%
49	84520	CPT	ASSAY OF UREA NITROGEN	8,759	6.94%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	5,592	4.43%
50	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	8,573	6.80%	84484	CPT	ASSAY OF TROPONIN QUANT	5,543	4.39%

Male

<i>Total Number of Incident Warfarin Users</i>				<i>131,680</i>	<i>100.00%</i>					<i>131,680</i>	<i>100.00%</i>
1	85610	CPT	PROTHROMBIN TIME	41,719	31.68%	85610	CPT	PROTHROMBIN TIME	96,115	72.99%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	41,715	31.68%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	57,011	43.30%	
3	93010	CPT	ELECTROCARDIOGRAM REPORT	41,029	31.16%	36415	CPT	ROUTINE VENIPUNCTURE	52,587	39.94%	
4	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	40,955	31.10%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	51,666	39.24%	
5	99232	CPT	SUBSEQUENT HOSPITAL CARE	38,606	29.32%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	33,414	25.38%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	38,054	28.90%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	24,942	18.94%	
7	36415	CPT	ROUTINE VENIPUNCTURE	36,614	27.81%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	21,756	16.52%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	34,290	26.04%	80053	CPT	COMPREHEN METABOLIC PANEL	19,022	14.45%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	32,745	24.87%	80048	CPT	METABOLIC PANEL TOTAL CA	17,385	13.20%	
10	99223	CPT	INITIAL HOSPITAL CARE	30,191	22.93%	85027	CPT	COMPLETE CBC AUTOMATED	14,213	10.79%	
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	27,947	21.22%	93010	CPT	ELECTROCARDIOGRAM REPORT	14,198	10.78%	
12	99285	CPT	EMERGENCY DEPT VISIT	26,839	20.38%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	13,816	10.49%	
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	26,109	19.83%	97110	CPT	THERAPEUTIC EXERCISES	13,712	10.41%	
14	93306	CPT	TTE W/DOPPLER COMPLETE	25,526	19.38%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	13,631	10.35%	
15	80053	CPT	COMPREHEN METABOLIC PANEL	24,186	18.37%	97001	CPT	PT EVALUATION	13,219	10.04%	
16	80048	CPT	METABOLIC PANEL TOTAL CA	22,718	17.25%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	12,901	9.80%	
17	85027	CPT	COMPLETE CBC AUTOMATED	18,560	14.09%	80061	CPT	LIPID PANEL	12,864	9.77%	
18	85730	CPT	THROMBOPLASTIN TIME PARTIAL	18,131	13.77%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	12,698	9.64%	
19	99222	CPT	INITIAL HOSPITAL CARE	17,931	13.62%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	12,286	9.33%	
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	17,366	13.19%	82565	CPT	ASSAY OF CREATININE	12,238	9.29%	
21	80061	CPT	LIPID PANEL	15,402	11.70%	93971	CPT	EXTREMITY STUDY	10,816	8.21%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
22	93970	CPT	EXTREMITY STUDY	15,058	11.44%	93306	CPT	TTE W/DOPPLER COMPLETE	10,624	8.07%
23	99239	CPT	HOSPITAL DISCHARGE DAY	14,209	10.79%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	10,195	7.74%
24	99238	CPT	HOSPITAL DISCHARGE DAY	14,084	10.70%	99285	CPT	EMERGENCY DEPT VISIT	9,973	7.57%
25	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	13,640	10.36%	99232	CPT	SUBSEQUENT HOSPITAL CARE	9,969	7.57%
26	93971	CPT	EXTREMITY STUDY	13,420	10.19%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	9,865	7.49%
27	82565	CPT	ASSAY OF CREATININE	13,409	10.18%	84443	CPT	ASSAY THYROID STIM HORMONE	9,524	7.23%
28	93005	CPT	ELECTROCARDIOGRAM TRACING	12,999	9.87%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	8,813	6.69%
29	81003	CPT	URINALYSIS AUTO W/O SCOPE	12,700	9.64%	99284	CPT	EMERGENCY DEPT VISIT	8,436	6.41%
30	99291	CPT	CRITICAL CARE FIRST HOUR	12,207	9.27%	93005	CPT	ELECTROCARDIOGRAM TRACING	7,786	5.91%
31	84484	CPT	ASSAY OF TROPONIN QUANT	11,510	8.74%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	7,395	5.62%
32	84443	CPT	ASSAY THYROID STIM HORMONE	11,205	8.51%	84520	CPT	ASSAY OF UREA NITROGEN	7,363	5.59%
33	86900	CPT	BLOOD TYPING ABO	11,040	8.38%	36416	CPT	CAPILLARY BLOOD DRAW	7,053	5.36%
34	88305	CPT	TISSUE EXAM BY PATHOLOGIST	11,028	8.37%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	6,955	5.28%
35	83735	CPT	ASSAY OF MAGNESIUM	10,951	8.32%	84132	CPT	ASSAY OF SERUM POTASSIUM	6,824	5.18%
36	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	10,857	8.24%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	6,814	5.17%
37	86901	CPT	BLOOD TYPING RH (D)	10,852	8.24%	97140	CPT	MANUAL THERAPY 1/> REGIONS	6,721	5.10%
38	86850	CPT	RBC ANTIBODY SCREEN	10,667	8.10%	83735	CPT	ASSAY OF MAGNESIUM	6,611	5.02%
39	71275	CPT	CT ANGIOGRAPHY CHEST	10,560	8.02%	99223	CPT	INITIAL HOSPITAL CARE	6,610	5.02%
40	81.54	ICD9	TOTAL KNEE REPLACEMENT	10,144	7.70%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	6,107	4.64%
41	99284	CPT	EMERGENCY DEPT VISIT	9,991	7.59%	99239	CPT	HOSPITAL DISCHARGE DAY	6,076	4.61%
42	81001	CPT	URINALYSIS AUTO W/SCOPE	9,916	7.53%	99238	CPT	HOSPITAL DISCHARGE DAY	6,060	4.60%
43	84132	CPT	ASSAY OF SERUM POTASSIUM	9,772	7.42%	81003	CPT	URINALYSIS AUTO W/O SCOPE	5,963	4.53%
44	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	9,618	7.30%	99233	CPT	SUBSEQUENT HOSPITAL CARE	5,957	4.52%
45	99215	CPT	OFFICE/OUTPATIENT VISIT EST	9,363	7.11%	89240	CPT	PATHOLOGY LAB PROCEDURE	5,891	4.47%
46	84520	CPT	ASSAY OF UREA NITROGEN	9,361	7.11%	85004	CPT	AUTOMATED DIFF WBC COUNT	5,866	4.45%
47	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	8,962	6.81%	84153	CPT	ASSAY OF PSA TOTAL	5,714	4.34%
48	99212	CPT	OFFICE/OUTPATIENT VISIT EST	8,934	6.78%	84484	CPT	ASSAY OF TROPONIN QUANT	5,523	4.19%
49	70450	CPT	CT HEAD/BRAIN W/O DYE	8,822	6.70%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	5,506	4.18%
50	01402	CPT	ANESTH KNEE ARTHROPLASTY	8,495	6.45%	84295	CPT	ASSAY OF SERUM SODIUM	5,224	3.97%

Table 4a. Top 25 Prevalent International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout and Year

Rank	30 days Prior to Incident Warfarin Use				30 days Post-Incident Warfarin Use			
	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
183-Day Washout								
2010								
	<i>Total Number of Incident Warfarin Users</i>		48,672	100.00%			48,672	100.00%
1	427.31	ATRIAL_FIBRILLATION	13,405	3.87%	427.31	ATRIAL_FIBRILLATION	16,007	4.62%
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	5,224	1.51%	427.32	ATRIAL_FLUTTER	1,842	0.53%
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	4,179	1.21%	794.31	NONSPECIFIC_ABNORMAL_ECG	1,330	0.38%
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	3,351	0.97%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,304	0.38%
5	794.31	NONSPECIFIC_ABNORMAL_ECG	2,809	0.81%	790.92	ABNORMAL_COAGULATION_PROFILE	1,136	0.33%
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	2,365	0.68%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,105	0.32%
7	427.32	ATRIAL_FLUTTER	2,064	0.60%	427.81	SINOATRIAL_NODE_DYSFUNCTION	800	0.23%
8	790.29	OTHER_ABNORMAL_GLUCOSE	1,194	0.34%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	754	0.22%
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,019	0.29%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	649	0.19%
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	829	0.24%	790.29	OTHER_ABNORMAL_GLUCOSE	580	0.17%
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	809	0.23%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	505	0.15%
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	687	0.20%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	474	0.14%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	607	0.18%	998.59	OTHER_POSTOPERATIVE_INFECTION_	341	0.10%
14	790.92	ABNORMAL_COAGULATION_PROFILE	502	0.15%	427.69	OTHER_PREMATURE_BEATS	281	0.08%
15	427.69	OTHER_PREMATURE_BEATS	437	0.13%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	271	0.08%
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	363	0.10%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	265	0.08%
17	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	357	0.10%	790.21	IMPAIRED_FASTING_GLUCOSE	211	0.06%
18	790.21	IMPAIRED_FASTING_GLUCOSE	300	0.09%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	207	0.06%
19	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	282	0.08%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	195	0.06%
20	998.59	OTHER_POSTOPERATIVE_INFECTION_	270	0.08%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	155	0.04%
21	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	252	0.07%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	143	0.04%
22	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	240	0.07%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	127	0.04%
23	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	239	0.07%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	127	0.04%
24	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	222	0.06%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	125	0.04%
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	191	0.06%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	118	0.03%
2011								
	<i>Total Number of Incident Warfarin Users</i>		168,981	100.00%			168,981	100.00%
1	427.31	ATRIAL_FIBRILLATION	44,618	12.89%	427.31	ATRIAL_FIBRILLATION	53,161	15.36%
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	17,312	5.00%	427.32	ATRIAL_FLUTTER	5,666	1.64%
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	14,298	4.13%	V72.60	LABORATORY_EXAMINATION_UNSPECI	4,949	1.43%
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	10,938	3.16%	794.31	NONSPECIFIC_ABNORMAL_ECG	4,473	1.29%
5	794.31	NONSPECIFIC_ABNORMAL_ECG	9,445	2.73%	790.92	ABNORMAL_COAGULATION_PROFILE	3,911	1.13%
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	7,942	2.29%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,699	1.07%
7	427.32	ATRIAL_FLUTTER	6,363	1.84%	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,648	0.76%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
8	790.29	OTHER_ABNORMAL_GLUCOSE	4,372	1.26%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	2,511	0.73%
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	3,251	0.94%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	2,355	0.68%
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,988	0.86%	790.29	OTHER_ABNORMAL_GLUCOSE	2,254	0.65%
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,640	0.76%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	2,012	0.58%
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	2,273	0.66%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,628	0.47%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	2,266	0.65%	998.59	OTHER_POSTOPERATIVE_INFECTION_	1,199	0.35%
14	790.92	ABNORMAL_COAGULATION_PROFILE	1,701	0.49%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	920	0.27%
15	427.69	OTHER_PREMATURE_BEATS	1,510	0.44%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	901	0.26%
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,358	0.39%	427.69	OTHER_PREMATURE_BEATS	891	0.26%
17	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	1,164	0.34%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	822	0.24%
18	790.21	IMPAIRED_FASTING_GLUCOSE	1,065	0.31%	790.21	IMPAIRED_FASTING_GLUCOSE	799	0.23%
19	998.59	OTHER_POSTOPERATIVE_INFECTION_	997	0.29%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	724	0.21%
20	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	920	0.27%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	553	0.16%
21	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	869	0.25%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	505	0.15%
22	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	778	0.22%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	500	0.14%
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	770	0.22%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	485	0.14%
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	761	0.22%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	427	0.12%
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	696	0.20%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	422	0.12%

2012

<i>Total Number of Incident Warfarin Users</i>			<i>128,510</i>	<i>100.00%</i>			<i>128,510</i>	<i>100.00%</i>
1	427.31	ATRIAL_FIBRILLATION	35,876	10.36%	427.31	ATRIAL_FIBRILLATION	42,419	12.25%
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	11,506	3.32%	427.32	ATRIAL_FLUTTER	4,459	1.29%
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	10,076	2.91%	V72.60	LABORATORY_EXAMINATION_UNSPECI	3,864	1.12%
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	7,563	2.18%	794.31	NONSPECIFIC_ABNORMAL_ECG	3,507	1.01%
5	794.31	NONSPECIFIC_ABNORMAL_ECG	7,440	2.15%	790.92	ABNORMAL_COAGULATION_PROFILE	3,115	0.90%
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	6,287	1.82%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,086	0.89%
7	427.32	ATRIAL_FLUTTER	5,078	1.47%	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,072	0.60%
8	790.29	OTHER_ABNORMAL_GLUCOSE	3,353	0.97%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,969	0.57%
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,533	0.73%	790.29	OTHER_ABNORMAL_GLUCOSE	1,821	0.53%
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,338	0.68%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,763	0.51%
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	1,912	0.55%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,511	0.44%
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,820	0.53%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,303	0.38%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users
13	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,576	0.46%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	893	0.26%
14	790.92	ABNORMAL_COAGULATION_PROFILE	1,288	0.37%	998.59	OTHER_POSTOPERATIVE_INFECTION_	824	0.24%
15	427.69	OTHER_PREMATURE_BEATS	1,237	0.36%	427.69	OTHER_PREMATURE_BEATS	719	0.21%
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,081	0.31%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	650	0.19%
17	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	850	0.25%	790.21	IMPAIRED_FASTING_GLUCOSE	619	0.18%
18	790.21	IMPAIRED_FASTING_GLUCOSE	793	0.23%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	613	0.18%
19	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	758	0.22%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	609	0.18%
20	998.59	OTHER_POSTOPERATIVE_INFECTION_	734	0.21%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	584	0.17%
21	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	658	0.19%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	401	0.12%
22	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	619	0.18%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	372	0.11%
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	564	0.16%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	361	0.10%
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	521	0.15%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	354	0.10%
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	477	0.14%	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	324	0.09%

365-Day Washout
2010

<i>Total Number of Incident Warfarin Users</i>		33,330	100.00%			33,330	100.00%	
1	427.31	ATRIAL_FIBRILLATION	8,783	26.35%	427.31	ATRIAL_FIBRILLATION	10,962	32.89%
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	4,252	12.76%	427.32	ATRIAL_FLUTTER	1,431	4.29%
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	3,467	10.40%	794.31	NONSPECIFIC_ABNORMAL_ECG	1,060	3.18%
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	2,720	8.16%	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,031	3.09%
5	794.31	NONSPECIFIC_ABNORMAL_ECG	2,326	6.98%	790.92	ABNORMAL_COAGULATION_PROFILE	889	2.67%
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	1,910	5.73%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	863	2.59%
7	427.32	ATRIAL_FLUTTER	1,665	5.00%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	584	1.75%
8	790.29	OTHER_ABNORMAL_GLUCOSE	962	2.89%	427.81	SINOATRIAL_NODE_DYSFUNCTION	565	1.70%
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	734	2.20%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	507	1.52%
10	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	645	1.94%	790.29	OTHER_ABNORMAL_GLUCOSE	443	1.33%
11	V72.60	LABORATORY_EXAMINATION_UNSPECI	625	1.88%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	368	1.10%
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	559	1.68%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	341	1.02%
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	436	1.31%	998.59	OTHER_POSTOPERATIVE_INFECTION_	274	0.82%
14	790.92	ABNORMAL_COAGULATION_PROFILE	372	1.12%	427.69	OTHER_PREMATURE_BEATS	217	0.65%
15	427.69	OTHER_PREMATURE_BEATS	347	1.04%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	189	0.57%
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	289	0.87%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	188	0.56%
17	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	257	0.77%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	166	0.50%
18	790.21	IMPAIRED_FASTING_GLUCOSE	223	0.67%	790.21	IMPAIRED_FASTING_GLUCOSE	158	0.47%
19	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	215	0.65%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	152	0.46%
20	998.59	OTHER_POSTOPERATIVE_INFECTION_	208	0.62%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	121	0.36%
21	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	196	0.59%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	114	0.34%
22	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	194	0.58%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	105	0.32%
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	188	0.56%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	98	0.29%
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	187	0.56%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	95	0.29%

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	DX Code	Diagnosis Description	Users	% of Users	DX Code	Diagnosis Description	Users	% of Users	
25	998.11	HEMORRHAGE_COMPLICATING_A_PROC	154	0.46%	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	92	0.28%	
2011									
<i>Total Number of Incident Warfarin Users</i>			123,162	100.00%	<i>Total Number of Incident Warfarin Users</i>			123,162	100.00%
1	427.31	ATRIAL_FIBRILLATION	30,461	24.73%	427.31	ATRIAL_FIBRILLATION	37,604	30.53%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	15,073	12.24%	427.32	ATRIAL_FLUTTER	4,591	3.73%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	12,672	10.29%	V72.60	LABORATORY_EXAMINATION_UNSPECI	4,058	3.29%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	9,543	7.75%	794.31	NONSPECIFIC_ABNORMAL_ECG	3,679	2.99%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	8,114	6.59%	790.92	ABNORMAL_COAGULATION_PROFILE	3,143	2.55%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	6,854	5.57%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	3,005	2.44%	
7	427.32	ATRIAL_FLUTTER	5,295	4.30%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	2,044	1.66%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	3,770	3.06%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,981	1.61%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,423	1.97%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,864	1.51%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	2,337	1.90%	790.29	OTHER_ABNORMAL_GLUCOSE	1,841	1.49%	
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	2,292	1.86%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,498	1.22%	
12	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,956	1.59%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,289	1.05%	
13	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,802	1.46%	998.59	OTHER_POSTOPERATIVE_INFECTION_	987	0.80%	
14	790.92	ABNORMAL_COAGULATION_PROFILE	1,289	1.05%	427.69	OTHER_PREMATURE_BEATS	737	0.60%	
15	427.69	OTHER_PREMATURE_BEATS	1,277	1.04%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	678	0.55%	
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	1,122	0.91%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	673	0.55%	
17	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	907	0.74%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	646	0.52%	
18	790.21	IMPAIRED_FASTING_GLUCOSE	888	0.72%	790.21	IMPAIRED_FASTING_GLUCOSE	626	0.51%	
19	998.59	OTHER_POSTOPERATIVE_INFECTION_	826	0.67%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	597	0.48%	
20	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	745	0.60%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	452	0.37%	
21	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	686	0.56%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	425	0.35%	
22	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	665	0.54%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	418	0.34%	
23	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	646	0.52%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	409	0.33%	
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	642	0.52%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	359	0.29%	
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	594	0.48%	998.32	DISRUPT_EXTERNL_OPERTION_SURG_	354	0.29%	

2012

<i>Total Number of Incident Warfarin Users</i>			101,346	100.00%	<i>Total Number of Incident Warfarin Users</i>			101,346	100.00%
1	427.31	ATRIAL_FIBRILLATION	27,297	26.93%	427.31	ATRIAL_FIBRILLATION	33,036	32.60%	
2	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	10,312	10.18%	427.32	ATRIAL_FLUTTER	3,851	3.80%	
3	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	9,243	9.12%	V72.60	LABORATORY_EXAMINATION_UNSPECI	3,335	3.29%	
4	V72.81	PRE-OPERATIVE_CV_EXAMINATION	6,778	6.69%	794.31	NONSPECIFIC_ABNORMAL_ECG	3,009	2.97%	
5	794.31	NONSPECIFIC_ABNORMAL_ECG	6,551	6.46%	790.92	ABNORMAL_COAGULATION_PROFILE	2,653	2.62%	
6	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	5,488	5.42%	427.89	OTHER_SPEC_CARDIAC_DYSRHYTHMIA	2,653	2.62%	
7	427.32	ATRIAL_FLUTTER	4,400	4.34%	V72.83	OTH_SPEC_PRE-OPERATIVE_EXAMINA	1,680	1.66%	
8	790.29	OTHER_ABNORMAL_GLUCOSE	2,985	2.95%	427.81	SINOATRIAL_NODE_DYSFUNCTION	1,632	1.61%	
9	427.81	SINOATRIAL_NODE_DYSFUNCTION	2,053	2.03%	790.29	OTHER_ABNORMAL_GLUCOSE	1,561	1.54%	
10	V72.60	LABORATORY_EXAMINATION_UNSPECI	1,921	1.90%	V72.84	UNSPEC_PRE-OPERATIVE_EXAMINATI	1,552	1.53%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	30 days Prior to Incident Warfarin Use		30 days Post-Incident Warfarin Use		Rank	30 days Post-Incident Warfarin Use		Users	% of Users
	DX Code	Diagnosis Description	Users	% of Users		DX Code	Diagnosis Description		
11	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	1,697	1.67%	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,227	1.21%	
12	459.81	UNSPECIFIED_VENOUS_INSUFFICIEN	1,493	1.47%	V72.81	PRE-OPERATIVE_CV_EXAMINATION	1,112	1.10%	
13	V72.82	PRE-OP_RESPIRATORY_EXAMINATION	1,408	1.39%	286.59	OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	722	0.71%	
14	427.69	OTHER_PREMATURE_BEATS	1,079	1.06%	998.59	OTHER_POSTOPERATIVE_INFECTION_	713	0.70%	
15	790.92	ABNORMAL_COAGULATION_PROFILE	1,032	1.02%	427.69	OTHER_PREMATURE_BEATS	622	0.61%	
16	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	943	0.93%	444.22	EMBO&THROMBOSIS_ART_LOWER_EXTR	522	0.52%	
17	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	751	0.74%	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	518	0.51%	
18	790.21	IMPAIRED_FASTING_GLUCOSE	675	0.67%	998.83	NON-HEALING_SURGICAL_WOUND_NEC	509	0.50%	
19	998.59	OTHER_POSTOPERATIVE_INFECTION_	645	0.64%	790.21	IMPAIRED_FASTING_GLUCOSE	504	0.50%	
20	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	622	0.61%	V72.31	ROUTINE_GYNECOLOGICAL_EXAMINAT	446	0.44%	
21	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	591	0.58%	V72.63	PRE-PROCEDURAL_LAB_EXAMINATION	350	0.35%	
22	794.39	OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	497	0.49%	427.61	SUPRAVENTRICULAR_PREMATURE_BEA	322	0.32%	
23	790.93	ELEVATED_PROSTATE_SPECIFIC_ANT	491	0.48%	790.99	OTH_NONSPEC_FINDINGS_EXAM_BLOO	315	0.31%	
24	794.30	NONSPEC_ABNORM_UNSPEC_CV_FUNCT	445	0.44%	998.12	HEMATOMA_COMPLICATING_A_PROC_N	311	0.31%	
25	998.12	HEMATOMA_COMPLICATING_A_PROC_N	440	0.43%	459.89	OTH_SPEC_CIRC_SYSTEM_DISORDERS	283	0.28%	

Table 4b. Top 50 Prevalent Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS), and International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Procedure Codes (ranked by Patient Count) in the 30 Days Before and 30 Days after Incident Warfarin Use in the Mini-Sentinel Distributed Database (MSDD) between October 1, 2010 and December 31, 2012, by Washout and Year

Rank	30 days Prior to Incident Warfarin Use					30 days Post-Incident Warfarin Use				
	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
183-Day Washout										
2010										
	<i>Total Number of Incident Warfarin Users</i>			48,672	100.00%				48,672	100.00%
1	85610	CPT	PROTHROMBIN TIME	17,720	36.41%	85610	CPT	PROTHROMBIN TIME	34,143	70.15%
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	14,865	30.54%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	18,349	37.70%
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	14,398	29.58%	36415	CPT	ROUTINE VENIPUNCTURE	18,292	37.58%
4	36415	CPT	ROUTINE VENIPUNCTURE	14,194	29.16%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	17,422	35.79%
5	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	14,117	29.00%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	10,986	22.57%
6	93010	CPT	ELECTROCARDIOGRAM REPORT	13,344	27.42%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	7,760	15.94%
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	12,811	26.32%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	7,249	14.89%
8	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	10,761	22.11%	80053	CPT	COMPREHEN METABOLIC PANEL	6,228	12.80%
9	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	10,561	21.70%	80048	CPT	METABOLIC PANEL TOTAL CA	5,451	11.20%
10	99223	CPT	INITIAL HOSPITAL CARE	9,539	19.60%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	5,208	10.70%
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	9,288	19.08%	97110	CPT	THERAPEUTIC EXERCISES	5,057	10.39%
12	99285	CPT	EMERGENCY DEPT VISIT	8,488	17.44%	97001	CPT	PT EVALUATION	4,960	10.19%
13	80053	CPT	COMPREHEN METABOLIC PANEL	8,331	17.12%	93010	CPT	ELECTROCARDIOGRAM REPORT	4,615	9.48%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	8,248	16.95%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	4,546	9.34%
15	93306	CPT	TTE W/DOPPLER COMPLETE	7,684	15.79%	85027	CPT	COMPLETE CBC AUTOMATED	4,242	8.72%
16	80048	CPT	METABOLIC PANEL TOTAL CA	7,651	15.72%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	4,163	8.55%
17	85730	CPT	THROMBOPLASTIN TIME PARTIAL	6,066	12.46%	80061	CPT	LIPID PANEL	4,098	8.42%
18	99231	CPT	SUBSEQUENT HOSPITAL CARE	5,932	12.19%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,053	8.33%
19	99222	CPT	INITIAL HOSPITAL CARE	5,830	11.98%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	4,004	8.23%
20	85027	CPT	COMPLETE CBC AUTOMATED	5,438	11.17%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	3,979	8.18%
21	80061	CPT	LIPID PANEL	5,050	10.38%	82565	CPT	ASSAY OF CREATININE	3,725	7.65%
22	99238	CPT	HOSPITAL DISCHARGE DAY	4,843	9.95%	99232	CPT	SUBSEQUENT HOSPITAL CARE	3,392	6.97%
23	93970	CPT	EXTREMITY STUDY	4,722	9.70%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	3,387	6.96%
24	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	4,667	9.59%	84443	CPT	ASSAY THYROID STIM HORMONE	3,380	6.94%
25	81.54	ICD9	TOTAL KNEE REPLACEMENT	4,550	9.35%	99285	CPT	EMERGENCY DEPT VISIT	3,351	6.88%
26	93005	CPT	ELECTROCARDIOGRAM TRACING	4,530	9.31%	93306	CPT	TTE W/DOPPLER COMPLETE	3,328	6.84%
27	99239	CPT	HOSPITAL DISCHARGE DAY	4,452	9.15%	93971	CPT	EXTREMITY STUDY	3,258	6.69%
28	82565	CPT	ASSAY OF CREATININE	4,366	8.97%	99284	CPT	EMERGENCY DEPT VISIT	2,822	5.80%
29	81003	CPT	URINALYSIS AUTO W/O SCOPE	4,354	8.95%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	2,671	5.49%
30	93971	CPT	EXTREMITY STUDY	4,116	8.46%	93005	CPT	ELECTROCARDIOGRAM TRACING	2,570	5.28%

CPT= Current Procedural Terminology

HCPCS= Healthcare Common Procedure Coding System

ICD9= International Classification of Diseases, Ninth Revision

msy4_mpr51_v1

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
31	84443	CPT	ASSAY THYROID STIM HORMONE	4,040	8.30%	36416	CPT	CAPILLARY BLOOD DRAW	2,540	5.22%
32	01402	CPT	ANESTH KNEE ARTHROPLASTY	4,001	8.22%	97140	CPT	MANUAL THERAPY 1/> REGIONS	2,470	5.07%
33	88305	CPT	TISSUE EXAM BY PATHOLOGIST	3,954	8.12%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	2,449	5.03%
34	27447	CPT	TOTAL KNEE ARTHROPLASTY	3,915	8.04%	99223	CPT	INITIAL HOSPITAL CARE	2,271	4.67%
35	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	3,911	8.04%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	2,269	4.66%
36	81001	CPT	URINALYSIS AUTO W/SCOPE	3,799	7.81%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	2,261	4.65%
37	86900	CPT	BLOOD TYPING ABO	3,593	7.38%	84520	CPT	ASSAY OF UREA NITROGEN	2,231	4.58%
38	86901	CPT	BLOOD TYPING RH (D)	3,528	7.25%	99238	CPT	HOSPITAL DISCHARGE DAY	2,097	4.31%
39	99212	CPT	OFFICE/OUTPATIENT VISIT EST	3,479	7.15%	83735	CPT	ASSAY OF MAGNESIUM	2,089	4.29%
40	86850	CPT	RBC ANTIBODY SCREEN	3,449	7.09%	84132	CPT	ASSAY OF SERUM POTASSIUM	2,040	4.19%
41	99215	CPT	OFFICE/OUTPATIENT VISIT EST	3,406	7.00%	89240	CPT	PATHOLOGY LAB PROCEDURE	1,993	4.09%
42	99284	CPT	EMERGENCY DEPT VISIT	3,315	6.81%	99239	CPT	HOSPITAL DISCHARGE DAY	1,947	4.00%
43	99291	CPT	CRITICAL CARE FIRST HOUR	3,315	6.81%	99233	CPT	SUBSEQUENT HOSPITAL CARE	1,941	3.99%
44	84484	CPT	ASSAY OF TROPONIN QUANT	3,303	6.79%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,940	3.99%
45	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	3,297	6.77%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,896	3.90%
46	83735	CPT	ASSAY OF MAGNESIUM	3,130	6.43%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	1,858	3.82%
47	90658	CPT	FLU VACCINE 3 YRS & > IM	3,115	6.40%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	1,782	3.66%
48	71275	CPT	CT ANGIOGRAPHY CHEST	3,017	6.20%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	1,768	3.63%
49	84520	CPT	ASSAY OF UREA NITROGEN	2,962	6.09%	73510	CPT	X-RAY EXAM OF HIP	1,759	3.61%
50	84132	CPT	ASSAY OF SERUM POTASSIUM	2,923	6.01%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	1,758	3.61%

2011

Total Number of Incident Warfarin Users

168,981 100.00%

168,981 100.00%

1	85610	CPT	PROTHROMBIN TIME	62,418	36.94%	85610	CPT	PROTHROMBIN TIME	117,950	69.80%
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	52,264	30.93%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	65,681	38.87%
3	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	49,247	29.14%	36415	CPT	ROUTINE VENIPUNCTURE	63,382	37.51%
4	99213	CPT	OFFICE/OUTPATIENT VISIT EST	48,884	28.93%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	61,492	36.39%
5	36415	CPT	ROUTINE VENIPUNCTURE	48,199	28.52%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	39,705	23.50%
6	93010	CPT	ELECTROCARDIOGRAM REPORT	45,689	27.04%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	24,981	14.78%
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	43,842	25.94%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	24,644	14.58%
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	36,704	21.72%	80053	CPT	COMPREHEN METABOLIC PANEL	22,546	13.34%
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	36,575	21.64%	80048	CPT	METABOLIC PANEL TOTAL CA	19,686	11.65%
10	99223	CPT	INITIAL HOSPITAL CARE	33,134	19.61%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	17,786	10.53%
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	31,071	18.39%	97110	CPT	THERAPEUTIC EXERCISES	17,611	10.42%
12	99285	CPT	EMERGENCY DEPT VISIT	30,614	18.12%	97001	CPT	PT EVALUATION	17,088	10.11%
13	80053	CPT	COMPREHEN METABOLIC PANEL	28,918	17.11%	85027	CPT	COMPLETE CBC AUTOMATED	16,692	9.88%
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	28,629	16.94%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	16,164	9.57%
15	80048	CPT	METABOLIC PANEL TOTAL CA	27,007	15.98%	93010	CPT	ELECTROCARDIOGRAM REPORT	15,856	9.38%
16	93306	CPT	TTE W/DOPPLER COMPLETE	26,287	15.56%	80061	CPT	LIPID PANEL	14,649	8.67%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
17	85027	CPT	COMPLETE CBC AUTOMATED	22,278	13.18%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	14,289	8.46%
18	85730	CPT	THROMBOPLASTIN TIME PARTIAL	20,618	12.20%	82565	CPT	ASSAY OF CREATININE	14,169	8.38%
19	99222	CPT	INITIAL HOSPITAL CARE	20,357	12.05%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	14,072	8.33%
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	20,317	12.02%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	14,011	8.29%
21	80061	CPT	LIPID PANEL	17,571	10.40%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	13,893	8.22%
22	93970	CPT	EXTREMITY STUDY	17,489	10.35%	99285	CPT	EMERGENCY DEPT VISIT	12,355	7.31%
23	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	16,229	9.60%	93971	CPT	EXTREMITY STUDY	12,295	7.28%
24	82565	CPT	ASSAY OF CREATININE	16,176	9.57%	84443	CPT	ASSAY THYROID STIM HORMONE	12,078	7.15%
25	99238	CPT	HOSPITAL DISCHARGE DAY	16,174	9.57%	99232	CPT	SUBSEQUENT HOSPITAL CARE	11,856	7.02%
26	99239	CPT	HOSPITAL DISCHARGE DAY	15,725	9.31%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	11,748	6.95%
27	93971	CPT	EXTREMITY STUDY	15,521	9.19%	93306	CPT	TTE W/DOPPLER COMPLETE	10,852	6.42%
28	81003	CPT	URINALYSIS AUTO W/O SCOPE	15,419	9.12%	99284	CPT	EMERGENCY DEPT VISIT	10,468	6.19%
29	81.54	ICD9	TOTAL KNEE REPLACEMENT	15,122	8.95%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	10,104	5.98%
30	93005	CPT	ELECTROCARDIOGRAM TRACING	14,897	8.82%	84132	CPT	ASSAY OF SERUM POTASSIUM	8,677	5.13%
31	84443	CPT	ASSAY THYROID STIM HORMONE	14,600	8.64%	97140	CPT	MANUAL THERAPY 1/> REGIONS	8,619	5.10%
32	88305	CPT	TISSUE EXAM BY PATHOLOGIST	13,767	8.15%	93005	CPT	ELECTROCARDIOGRAM TRACING	8,499	5.03%
33	86900	CPT	BLOOD TYPING ABO	13,589	8.04%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	8,376	4.96%
34	86901	CPT	BLOOD TYPING RH (D)	13,438	7.95%	84520	CPT	ASSAY OF UREA NITROGEN	8,354	4.94%
35	81001	CPT	URINALYSIS AUTO W/SCOPE	13,410	7.94%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	8,276	4.90%
36	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	13,187	7.80%	99223	CPT	INITIAL HOSPITAL CARE	7,875	4.66%
37	86850	CPT	RBC ANTIBODY SCREEN	13,079	7.74%	36416	CPT	CAPILLARY BLOOD DRAW	7,547	4.47%
38	01402	CPT	ANESTH KNEE ARTHROPLASTY	13,054	7.73%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	7,485	4.43%
39	27447	CPT	TOTAL KNEE ARTHROPLASTY	12,637	7.48%	81003	CPT	URINALYSIS AUTO W/O SCOPE	7,453	4.41%
40	84484	CPT	ASSAY OF TROPONIN QUANT	12,382	7.33%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	7,380	4.37%
41	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	12,169	7.20%	83735	CPT	ASSAY OF MAGNESIUM	7,326	4.34%
42	99284	CPT	EMERGENCY DEPT VISIT	12,166	7.20%	89240	CPT	PATHOLOGY LAB PROCEDURE	7,176	4.25%
43	99291	CPT	CRITICAL CARE FIRST HOUR	11,941	7.07%	99233	CPT	SUBSEQUENT HOSPITAL CARE	7,065	4.18%
44	71275	CPT	CT ANGIOGRAPHY CHEST	11,939	7.07%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	6,996	4.14%
45	83735	CPT	ASSAY OF MAGNESIUM	11,880	7.03%	99238	CPT	HOSPITAL DISCHARGE DAY	6,964	4.12%
46	99212	CPT	OFFICE/OUTPATIENT VISIT EST	11,860	7.02%	81001	CPT	URINALYSIS AUTO W/SCOPE	6,951	4.11%
47	84132	CPT	ASSAY OF SERUM POTASSIUM	11,851	7.01%	99239	CPT	HOSPITAL DISCHARGE DAY	6,932	4.10%
48	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	11,244	6.65%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	6,631	3.92%
49	99215	CPT	OFFICE/OUTPATIENT VISIT EST	11,129	6.59%	85004	CPT	AUTOMATED DIFF WBC COUNT	6,410	3.79%
50	84520	CPT	ASSAY OF UREA NITROGEN	10,872	6.43%	73510	CPT	X-RAY EXAM OF HIP	6,268	3.71%

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users	
2012											
<i>Total Number of Incident Warfarin Users</i>				128,510	100.00%					128,510	100.00%
1	85610	CPT	PROTHROMBIN TIME	45,621	35.50%	85610	CPT	PROTHROMBIN TIME	89,460	69.61%	
2	99214	CPT	OFFICE/OUTPATIENT VISIT EST	40,499	31.51%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	52,138	40.57%	
3	99213	CPT	OFFICE/OUTPATIENT VISIT EST	37,044	28.83%	36415	CPT	ROUTINE VENIPUNCTURE	49,118	38.22%	
4	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	36,977	28.77%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	47,310	36.81%	
5	36415	CPT	ROUTINE VENIPUNCTURE	36,383	28.31%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	31,157	24.24%	
6	93010	CPT	ELECTROCARDIOGRAM REPORT	34,665	26.97%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	19,999	15.56%	
7	99232	CPT	SUBSEQUENT HOSPITAL CARE	33,363	25.96%	80053	CPT	COMPREHEN METABOLIC PANEL	18,680	14.54%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	28,417	22.11%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	18,623	14.49%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	26,712	20.79%	80048	CPT	METABOLIC PANEL TOTAL CA	15,492	12.06%	
10	99223	CPT	INITIAL HOSPITAL CARE	26,004	20.24%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	14,061	10.94%	
11	99285	CPT	EMERGENCY DEPT VISIT	23,689	18.43%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	12,743	9.92%	
12	80053	CPT	COMPREHEN METABOLIC PANEL	22,829	17.76%	97110	CPT	THERAPEUTIC EXERCISES	12,679	9.87%	
13	93000	CPT	ELECTROCARDIOGRAM COMPLETE	22,209	17.28%	93010	CPT	ELECTROCARDIOGRAM REPORT	12,568	9.78%	
14	99233	CPT	SUBSEQUENT HOSPITAL CARE	22,202	17.28%	85027	CPT	COMPLETE CBC AUTOMATED	12,183	9.48%	
15	93306	CPT	TTE W/DOPPLER COMPLETE	20,747	16.14%	97001	CPT	PT EVALUATION	11,979	9.32%	
16	80048	CPT	METABOLIC PANEL TOTAL CA	20,448	15.91%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	11,319	8.81%	
17	85027	CPT	COMPLETE CBC AUTOMATED	16,460	12.81%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	11,104	8.64%	
18	99222	CPT	INITIAL HOSPITAL CARE	15,821	12.31%	80061	CPT	LIPID PANEL	11,103	8.64%	
19	85730	CPT	THROMBOPLASTIN TIME PARTIAL	15,209	11.83%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	10,960	8.53%	
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	14,611	11.37%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	10,809	8.41%	
21	93970	CPT	EXTREMITY STUDY	13,443	10.46%	82565	CPT	ASSAY OF CREATININE	10,048	7.82%	
22	80061	CPT	LIPID PANEL	12,878	10.02%	99285	CPT	EMERGENCY DEPT VISIT	10,013	7.79%	
23	99239	CPT	HOSPITAL DISCHARGE DAY	12,615	9.82%	99232	CPT	SUBSEQUENT HOSPITAL CARE	9,510	7.40%	
24	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	12,537	9.76%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	9,360	7.28%	
25	93971	CPT	EXTREMITY STUDY	12,019	9.35%	93971	CPT	EXTREMITY STUDY	9,343	7.27%	
26	93005	CPT	ELECTROCARDIOGRAM TRACING	11,830	9.21%	84443	CPT	ASSAY THYROID STIM HORMONE	8,982	6.99%	
27	99238	CPT	HOSPITAL DISCHARGE DAY	11,772	9.16%	99284	CPT	EMERGENCY DEPT VISIT	8,284	6.45%	
28	81003	CPT	URINALYSIS AUTO W/O SCOPE	11,004	8.56%	93306	CPT	TTE W/DOPPLER COMPLETE	8,203	6.38%	
29	82565	CPT	ASSAY OF CREATININE	10,992	8.55%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	7,952	6.19%	
30	84443	CPT	ASSAY THYROID STIM HORMONE	10,706	8.33%	93005	CPT	ELECTROCARDIOGRAM TRACING	7,082	5.51%	
31	81001	CPT	URINALYSIS AUTO W/SCOPE	10,227	7.96%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	6,854	5.33%	
32	86900	CPT	BLOOD TYPING ABO	10,121	7.88%	99223	CPT	INITIAL HOSPITAL CARE	6,378	4.96%	
33	99291	CPT	CRITICAL CARE FIRST HOUR	10,037	7.81%	97140	CPT	MANUAL THERAPY 1/> REGIONS	6,295	4.90%	
34	86901	CPT	BLOOD TYPING RH (D)	10,021	7.80%	36416	CPT	CAPILLARY BLOOD DRAW	6,287	4.89%	
35	71275	CPT	CT ANGIOGRAPHY CHEST	10,009	7.79%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	6,119	4.76%	
36	86850	CPT	RBC ANTIBODY SCREEN	9,816	7.64%	84520	CPT	ASSAY OF UREA NITROGEN	5,915	4.60%	

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
37	81.54	ICD9	TOTAL KNEE REPLACEMENT	9,669	7.52%	99239	CPT	HOSPITAL DISCHARGE DAY	5,847	4.55%
38	88305	CPT	TISSUE EXAM BY PATHOLOGIST	9,664	7.52%	83735	CPT	ASSAY OF MAGNESIUM	5,818	4.53%
39	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	9,620	7.49%	81003	CPT	URINALYSIS AUTO W/O SCOPE	5,681	4.42%
40	84484	CPT	ASSAY OF TROPONIN QUANT	9,473	7.37%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	5,642	4.39%
41	99284	CPT	EMERGENCY DEPT VISIT	9,321	7.25%	85004	CPT	AUTOMATED DIFF WBC COUNT	5,636	4.39%
42	83735	CPT	ASSAY OF MAGNESIUM	8,993	7.00%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	5,622	4.37%
43	99212	CPT	OFFICE/OUTPATIENT VISIT EST	8,949	6.96%	99233	CPT	SUBSEQUENT HOSPITAL CARE	5,606	4.36%
44	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	8,583	6.68%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	5,574	4.34%
45	99215	CPT	OFFICE/OUTPATIENT VISIT EST	8,258	6.43%	81001	CPT	URINALYSIS AUTO W/SCOPE	5,549	4.32%
46	01402	CPT	ANESTH KNEE ARTHROPLASTY	7,965	6.20%	99238	CPT	HOSPITAL DISCHARGE DAY	5,475	4.26%
47	70450	CPT	CT HEAD/BRAIN W/O DYE	7,956	6.19%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	5,474	4.26%
48	27447	CPT	TOTAL KNEE ARTHROPLASTY	7,755	6.03%	84132	CPT	ASSAY OF SERUM POTASSIUM	5,457	4.25%
49	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	7,405	5.76%	84484	CPT	ASSAY OF TROPONIN QUANT	5,016	3.90%
50	84520	CPT	ASSAY OF UREA NITROGEN	7,361	5.73%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	4,878	3.80%

365-Day Washout

2010

Total Number of Incident Warfarin Users 33,330 100.00% 33,330 100.00%

1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	10,999	33.00%	85610	CPT	PROTHROMBIN TIME	23,794	71.39%
2	93010	CPT	ELECTROCARDIOGRAM REPORT	10,838	32.52%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	13,689	41.07%
3	99214	CPT	OFFICE/OUTPATIENT VISIT EST	10,640	31.92%	36415	CPT	ROUTINE VENIPUNCTURE	13,056	39.17%
4	99232	CPT	SUBSEQUENT HOSPITAL CARE	10,455	31.37%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	12,792	38.38%
5	85610	CPT	PROTHROMBIN TIME	10,230	30.69%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	8,365	25.10%
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	10,167	30.50%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	6,119	18.36%
7	36415	CPT	ROUTINE VENIPUNCTURE	9,676	29.03%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	5,150	15.45%
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	8,768	26.31%	80053	CPT	COMPREHEN METABOLIC PANEL	4,502	13.51%
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	8,740	26.22%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	4,157	12.47%
10	99223	CPT	INITIAL HOSPITAL CARE	7,798	23.40%	80048	CPT	METABOLIC PANEL TOTAL CA	4,144	12.43%
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	7,471	22.42%	97110	CPT	THERAPEUTIC EXERCISES	4,049	12.15%
12	99285	CPT	EMERGENCY DEPT VISIT	6,914	20.74%	97001	CPT	PT EVALUATION	4,045	12.14%
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	6,748	20.25%	93010	CPT	ELECTROCARDIOGRAM REPORT	3,569	10.71%
14	93306	CPT	TTE W/DOPPLER COMPLETE	6,282	18.85%	85027	CPT	COMPLETE CBC AUTOMATED	3,378	10.14%
15	80053	CPT	COMPREHEN METABOLIC PANEL	6,233	18.70%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	3,319	9.96%
16	80048	CPT	METABOLIC PANEL TOTAL CA	5,971	17.91%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	3,204	9.61%
17	85730	CPT	THROMBOPLASTIN TIME PARTIAL	4,902	14.71%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	3,182	9.55%
18	99231	CPT	SUBSEQUENT HOSPITAL CARE	4,858	14.58%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	3,167	9.50%
19	99222	CPT	INITIAL HOSPITAL CARE	4,784	14.35%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	3,123	9.37%
20	85027	CPT	COMPLETE CBC AUTOMATED	4,316	12.95%	82565	CPT	ASSAY OF CREATININE	2,886	8.66%
21	93970	CPT	EXTREMITY STUDY	3,962	11.89%	80061	CPT	LIPID PANEL	2,815	8.45%
22	99238	CPT	HOSPITAL DISCHARGE DAY	3,912	11.74%	93971	CPT	EXTREMITY STUDY	2,667	8.00%

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
23	81.54	ICD9	TOTAL KNEE REPLACEMENT	3,790	11.37%	99232	CPT	SUBSEQUENT HOSPITAL CARE	2,652	7.96%
24	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	3,768	11.31%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	2,648	7.94%
25	99239	CPT	HOSPITAL DISCHARGE DAY	3,649	10.95%	93306	CPT	TTE W/DOPPLER COMPLETE	2,612	7.84%
26	93005	CPT	ELECTROCARDIOGRAM TRACING	3,643	10.93%	99285	CPT	EMERGENCY DEPT VISIT	2,605	7.82%
27	80061	CPT	LIPID PANEL	3,568	10.71%	84443	CPT	ASSAY THYROID STIM HORMONE	2,503	7.51%
28	81003	CPT	URINALYSIS AUTO W/O SCOPE	3,486	10.46%	99284	CPT	EMERGENCY DEPT VISIT	2,218	6.65%
29	82565	CPT	ASSAY OF CREATININE	3,410	10.23%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	1,997	5.99%
30	93971	CPT	EXTREMITY STUDY	3,408	10.23%	93005	CPT	ELECTROCARDIOGRAM TRACING	1,980	5.94%
31	01402	CPT	ANESTH KNEE ARTHROPLASTY	3,255	9.77%	97140	CPT	MANUAL THERAPY 1/> REGIONS	1,952	5.86%
32	27447	CPT	TOTAL KNEE ARTHROPLASTY	3,212	9.64%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	1,844	5.53%
33	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	3,200	9.60%	36416	CPT	CAPILLARY BLOOD DRAW	1,832	5.50%
34	88305	CPT	TISSUE EXAM BY PATHOLOGIST	3,143	9.43%	84520	CPT	ASSAY OF UREA NITROGEN	1,771	5.31%
35	84443	CPT	ASSAY THYROID STIM HORMONE	3,065	9.20%	99223	CPT	INITIAL HOSPITAL CARE	1,758	5.27%
36	86900	CPT	BLOOD TYPING ABO	2,982	8.95%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	1,721	5.16%
37	81001	CPT	URINALYSIS AUTO W/SCOPE	2,956	8.87%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	1,675	5.03%
38	86901	CPT	BLOOD TYPING RH (D)	2,923	8.77%	99238	CPT	HOSPITAL DISCHARGE DAY	1,668	5.00%
39	86850	CPT	RBC ANTIBODY SCREEN	2,873	8.62%	83735	CPT	ASSAY OF MAGNESIUM	1,611	4.83%
40	99291	CPT	CRITICAL CARE FIRST HOUR	2,750	8.25%	84132	CPT	ASSAY OF SERUM POTASSIUM	1,591	4.77%
41	84484	CPT	ASSAY OF TROPONIN QUANT	2,733	8.20%	99239	CPT	HOSPITAL DISCHARGE DAY	1,554	4.66%
42	99284	CPT	EMERGENCY DEPT VISIT	2,652	7.96%	99233	CPT	SUBSEQUENT HOSPITAL CARE	1,532	4.60%
43	99215	CPT	OFFICE/OUTPATIENT VISIT EST	2,587	7.76%	E0143	HCPCS	WALKER FOLD WHEELED ADJUSTBL/FIX HT	1,502	4.51%
44	83735	CPT	ASSAY OF MAGNESIUM	2,547	7.64%	89240	CPT	PATHOLOGY LAB PROCEDURE	1,489	4.47%
45	71275	CPT	CT ANGIOGRAPHY CHEST	2,521	7.56%	81003	CPT	URINALYSIS AUTO W/O SCOPE	1,452	4.36%
46	99212	CPT	OFFICE/OUTPATIENT VISIT EST	2,461	7.38%	73510	CPT	X-RAY EXAM OF HIP	1,425	4.28%
47	84520	CPT	ASSAY OF UREA NITROGEN	2,398	7.19%	81001	CPT	URINALYSIS AUTO W/SCOPE	1,410	4.23%
48	84132	CPT	ASSAY OF SERUM POTASSIUM	2,383	7.15%	84484	CPT	ASSAY OF TROPONIN QUANT	1,357	4.07%
49	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	2,319	6.96%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	1,347	4.04%
50	A0427	HCPCS	AMB SRVC ALS EMERG TRANSPORT LEVEL 1	2,258	6.77%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	1,338	4.01%

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users	
2011											
<i>Total Number of Incident Warfarin Users</i>				123,162	100.00%					123,162	100.00%
1	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	40,734	33.07%	85610	CPT	PROTHROMBIN TIME	87,968	71.42%	
2	85610	CPT	PROTHROMBIN TIME	39,761	32.28%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	51,209	41.58%	
3	99214	CPT	OFFICE/OUTPATIENT VISIT EST	39,731	32.26%	36415	CPT	ROUTINE VENIPUNCTURE	48,027	38.99%	
4	93010	CPT	ELECTROCARDIOGRAM REPORT	39,226	31.85%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	47,330	38.43%	
5	99232	CPT	SUBSEQUENT HOSPITAL CARE	37,806	30.70%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	32,081	26.05%	
6	99213	CPT	OFFICE/OUTPATIENT VISIT EST	36,767	29.85%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	20,457	16.61%	
7	36415	CPT	ROUTINE VENIPUNCTURE	35,063	28.47%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	18,335	14.89%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	31,778	25.80%	80053	CPT	COMPREHEN METABOLIC PANEL	17,395	14.12%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	31,197	25.33%	80048	CPT	METABOLIC PANEL TOTAL CA	15,892	12.90%	
10	99223	CPT	INITIAL HOSPITAL CARE	28,549	23.18%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	15,149	12.30%	
11	93000	CPT	ELECTROCARDIOGRAM COMPLETE	26,271	21.33%	97110	CPT	THERAPEUTIC EXERCISES	15,008	12.19%	
12	99285	CPT	EMERGENCY DEPT VISIT	26,265	21.33%	97001	CPT	PT EVALUATION	14,855	12.06%	
13	99233	CPT	SUBSEQUENT HOSPITAL CARE	24,694	20.05%	85027	CPT	COMPLETE CBC AUTOMATED	13,782	11.19%	
14	80053	CPT	COMPREHEN METABOLIC PANEL	23,001	18.68%	93010	CPT	ELECTROCARDIOGRAM REPORT	12,798	10.39%	
15	93306	CPT	TTE W/DOPPLER COMPLETE	22,464	18.24%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	12,409	10.08%	
16	80048	CPT	METABOLIC PANEL TOTAL CA	22,463	18.24%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	12,190	9.90%	
17	85027	CPT	COMPLETE CBC AUTOMATED	18,941	15.38%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	11,667	9.47%	
18	85730	CPT	THROMBOPLASTIN TIME PARTIAL	17,567	14.26%	82565	CPT	ASSAY OF CREATININE	11,513	9.35%	
19	99231	CPT	SUBSEQUENT HOSPITAL CARE	17,546	14.25%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	11,501	9.34%	
20	99222	CPT	INITIAL HOSPITAL CARE	17,498	14.21%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	11,211	9.10%	
21	93970	CPT	EXTREMITY STUDY	15,216	12.35%	93971	CPT	EXTREMITY STUDY	10,706	8.69%	
22	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	13,932	11.31%	80061	CPT	LIPID PANEL	10,598	8.60%	
23	99238	CPT	HOSPITAL DISCHARGE DAY	13,720	11.14%	99285	CPT	EMERGENCY DEPT VISIT	9,964	8.09%	
24	99239	CPT	HOSPITAL DISCHARGE DAY	13,531	10.99%	99232	CPT	SUBSEQUENT HOSPITAL CARE	9,763	7.93%	
25	82565	CPT	ASSAY OF CREATININE	13,448	10.92%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	9,571	7.77%	
26	81.54	ICD9	TOTAL KNEE REPLACEMENT	13,434	10.91%	84443	CPT	ASSAY THYROID STIM HORMONE	9,482	7.70%	
27	93971	CPT	EXTREMITY STUDY	13,405	10.88%	93306	CPT	TTE W/DOPPLER COMPLETE	8,842	7.18%	
28	80061	CPT	LIPID PANEL	13,275	10.78%	99284	CPT	EMERGENCY DEPT VISIT	8,620	7.00%	
29	81003	CPT	URINALYSIS AUTO W/O SCOPE	13,274	10.78%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	7,378	5.99%	
30	93005	CPT	ELECTROCARDIOGRAM TRACING	12,543	10.18%	97140	CPT	MANUAL THERAPY 1/> REGIONS	7,296	5.92%	
31	86900	CPT	BLOOD TYPING ABO	12,092	9.82%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	7,241	5.88%	
32	86901	CPT	BLOOD TYPING RH (D)	11,920	9.68%	84132	CPT	ASSAY OF SERUM POTASSIUM	7,130	5.79%	
33	84443	CPT	ASSAY THYROID STIM HORMONE	11,723	9.52%	84520	CPT	ASSAY OF UREA NITROGEN	6,944	5.64%	
34	86850	CPT	RBC ANTIBODY SCREEN	11,648	9.46%	93005	CPT	ELECTROCARDIOGRAM TRACING	6,824	5.54%	
35	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	11,600	9.42%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	6,806	5.53%	
36	88305	CPT	TISSUE EXAM BY PATHOLOGIST	11,532	9.36%	99223	CPT	INITIAL HOSPITAL CARE	6,298	5.11%	

30 days Prior to Incident Warfarin Use

30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
37	01402	CPT	ANESTH KNEE ARTHROPLASTY	11,409	9.26%	81003	CPT	URINALYSIS AUTO W/O SCOPE	6,003	4.87%
38	81001	CPT	URINALYSIS AUTO W/SCOPE	11,132	9.04%	83735	CPT	ASSAY OF MAGNESIUM	5,964	4.84%
39	27447	CPT	TOTAL KNEE ARTHROPLASTY	11,096	9.01%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	5,908	4.80%
40	84484	CPT	ASSAY OF TROPONIN QUANT	10,721	8.70%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	5,907	4.80%
41	71275	CPT	CT ANGIOGRAPHY CHEST	10,456	8.49%	36416	CPT	CAPILLARY BLOOD DRAW	5,830	4.73%
42	99291	CPT	CRITICAL CARE FIRST HOUR	10,313	8.37%	99239	CPT	HOSPITAL DISCHARGE DAY	5,794	4.70%
43	83735	CPT	ASSAY OF MAGNESIUM	10,246	8.32%	99238	CPT	HOSPITAL DISCHARGE DAY	5,787	4.70%
44	99284	CPT	EMERGENCY DEPT VISIT	10,139	8.23%	99233	CPT	SUBSEQUENT HOSPITAL CARE	5,746	4.67%
45	84132	CPT	ASSAY OF SERUM POTASSIUM	10,067	8.17%	89240	CPT	PATHOLOGY LAB PROCEDURE	5,634	4.57%
46	84520	CPT	ASSAY OF UREA NITROGEN	9,490	7.71%	85004	CPT	AUTOMATED DIFF WBC COUNT	5,531	4.49%
47	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	9,288	7.54%	81001	CPT	URINALYSIS AUTO W/SCOPE	5,409	4.39%
48	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	9,256	7.52%	73510	CPT	X-RAY EXAM OF HIP	5,385	4.37%
49	99215	CPT	OFFICE/OUTPATIENT VISIT EST	8,862	7.20%	84295	CPT	ASSAY OF SERUM SODIUM	5,235	4.25%
50	99212	CPT	OFFICE/OUTPATIENT VISIT EST	8,692	7.06%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	5,186	4.21%

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<i>Total Number of Incident Warfarin Users</i>				<i>101,346</i>	<i>100.00%</i>					<i>101,346</i>	<i>100.00%</i>
1	99214	CPT	OFFICE/OUTPATIENT VISIT EST	33,056	32.62%	85610	CPT	PROTHROMBIN TIME	71,875	70.92%	
2	85610	CPT	PROTHROMBIN TIME	32,729	32.29%	99214	CPT	OFFICE/OUTPATIENT VISIT EST	43,251	42.68%	
3	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	31,891	31.47%	36415	CPT	ROUTINE VENIPUNCTURE	39,824	39.30%	
4	93010	CPT	ELECTROCARDIOGRAM REPORT	30,669	30.26%	99213	CPT	OFFICE/OUTPATIENT VISIT EST	38,924	38.41%	
5	99213	CPT	OFFICE/OUTPATIENT VISIT EST	30,018	29.62%	85025	CPT	COMPLETE CBC W/AUTO DIFF WBC	26,351	26.00%	
6	99232	CPT	SUBSEQUENT HOSPITAL CARE	29,587	29.19%	93000	CPT	ELECTROCARDIOGRAM COMPLETE	16,036	15.82%	
7	36415	CPT	ROUTINE VENIPUNCTURE	28,606	28.23%	99211	CPT	OFFICE/OUTPATIENT VISIT EST	15,911	15.70%	
8	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	25,360	25.02%	80053	CPT	COMPREHEN METABOLIC PANEL	15,304	15.10%	
9	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	23,550	23.24%	80048	CPT	METABOLIC PANEL TOTAL CA	13,102	12.93%	
10	99223	CPT	INITIAL HOSPITAL CARE	23,054	22.75%	G0154	HCPCS	DIR SKILL NRS HH/HOSPICE EA 15 MIN	12,438	12.27%	
11	99285	CPT	EMERGENCY DEPT VISIT	20,959	20.68%	97110	CPT	THERAPEUTIC EXERCISES	11,200	11.05%	
12	99233	CPT	SUBSEQUENT HOSPITAL CARE	19,670	19.41%	97001	CPT	PT EVALUATION	10,768	10.62%	
13	93000	CPT	ELECTROCARDIOGRAM COMPLETE	19,605	19.34%	93010	CPT	ELECTROCARDIOGRAM REPORT	10,745	10.60%	
14	80053	CPT	COMPREHEN METABOLIC PANEL	19,081	18.83%	85027	CPT	COMPLETE CBC AUTOMATED	10,615	10.47%	
15	93306	CPT	TTE W/DOPPLER COMPLETE	18,291	18.05%	99212	CPT	OFFICE/OUTPATIENT VISIT EST	10,555	10.41%	
16	80048	CPT	METABOLIC PANEL TOTAL CA	17,646	17.41%	G0151	HCPCS	SRVC PT HOM HLTH/HOSPICE EA 15 MIN	10,144	10.01%	
17	85027	CPT	COMPLETE CBC AUTOMATED	14,607	14.41%	71020	CPT	CHEST X-RAY 2VW FRONTAL&LATL	9,423	9.30%	
18	99222	CPT	INITIAL HOSPITAL CARE	14,050	13.86%	85730	CPT	THROMBOPLASTIN TIME PARTIAL	9,351	9.23%	
19	85730	CPT	THROMBOPLASTIN TIME PARTIAL	13,198	13.02%	99215	CPT	OFFICE/OUTPATIENT VISIT EST	9,198	9.08%	
20	99231	CPT	SUBSEQUENT HOSPITAL CARE	13,000	12.83%	82565	CPT	ASSAY OF CREATININE	8,806	8.69%	
21	93970	CPT	EXTREMITY STUDY	11,989	11.83%	80061	CPT	LIPID PANEL	8,699	8.58%	
22	99239	CPT	HOSPITAL DISCHARGE DAY	11,206	11.06%	99285	CPT	EMERGENCY DEPT VISIT	8,519	8.41%	

30 days Prior to Incident Warfarin Use
30 days Post-Incident Warfarin Use

Rank	Px Code	Code Type	Procedure Description	Users	% of Users	Px Code	Code Type	Procedure Description	Users	% of Users
23	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	11,022	10.88%	93971	CPT	EXTREMITY STUDY	8,256	8.15%
24	93971	CPT	EXTREMITY STUDY	10,692	10.55%	99232	CPT	SUBSEQUENT HOSPITAL CARE	8,175	8.07%
25	99238	CPT	HOSPITAL DISCHARGE DAY	10,409	10.27%	71010	CPT	CHEST X-RAY 1 VIEW FRONTAL	8,018	7.91%
26	80061	CPT	LIPID PANEL	10,364	10.23%	84443	CPT	ASSAY THYROID STIM HORMONE	7,506	7.41%
27	93005	CPT	ELECTROCARDIOGRAM TRACING	10,299	10.16%	99284	CPT	EMERGENCY DEPT VISIT	7,144	7.05%
28	81003	CPT	URINALYSIS AUTO W/O SCOPE	9,749	9.62%	93306	CPT	TTE W/DOPPLER COMPLETE	6,932	6.84%
29	82565	CPT	ASSAY OF CREATININE	9,690	9.56%	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	6,273	6.19%
30	86900	CPT	BLOOD TYPING ABO	9,231	9.11%	93005	CPT	ELECTROCARDIOGRAM TRACING	6,005	5.93%
31	84443	CPT	ASSAY THYROID STIM HORMONE	9,186	9.06%	96372	CPT	THER/PROPH/DIAG INJ SC/IM	5,763	5.69%
32	86901	CPT	BLOOD TYPING RH (D)	9,144	9.02%	97140	CPT	MANUAL THERAPY 1/> REGIONS	5,536	5.46%
33	86850	CPT	RBC ANTIBODY SCREEN	8,981	8.86%	99223	CPT	INITIAL HOSPITAL CARE	5,450	5.38%
34	71275	CPT	CT ANGIOGRAPHY CHEST	8,956	8.84%	84520	CPT	ASSAY OF UREA NITROGEN	5,283	5.21%
35	99291	CPT	CRITICAL CARE FIRST HOUR	8,909	8.79%	99204	CPT	OFFICE/OUTPATIENT VISIT NEW	5,181	5.11%
36	81.54	ICD9	TOTAL KNEE REPLACEMENT	8,893	8.77%	85004	CPT	AUTOMATED DIFF WBC COUNT	5,147	5.08%
37	81001	CPT	URINALYSIS AUTO W/SCOPE	8,795	8.68%	36416	CPT	CAPILLARY BLOOD DRAW	5,071	5.00%
38	84484	CPT	ASSAY OF TROPONIN QUANT	8,419	8.31%	99239	CPT	HOSPITAL DISCHARGE DAY	5,010	4.94%
39	88305	CPT	TISSUE EXAM BY PATHOLOGIST	8,362	8.25%	83735	CPT	ASSAY OF MAGNESIUM	4,975	4.91%
40	99284	CPT	EMERGENCY DEPT VISIT	8,103	8.00%	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	4,933	4.87%
41	83735	CPT	ASSAY OF MAGNESIUM	7,976	7.87%	84132	CPT	ASSAY OF SERUM POTASSIUM	4,863	4.80%
42	83036	CPT	GLYCOSYLATED HEMOGLOBIN TEST	7,856	7.75%	81003	CPT	URINALYSIS AUTO W/O SCOPE	4,838	4.77%
43	73560	CPT	X-RAY EXAM OF KNEE 1 OR 2	7,853	7.75%	99233	CPT	SUBSEQUENT HOSPITAL CARE	4,790	4.73%
44	01402	CPT	ANESTH KNEE ARTHROPLASTY	7,232	7.14%	99238	CPT	HOSPITAL DISCHARGE DAY	4,700	4.64%
45	99212	CPT	OFFICE/OUTPATIENT VISIT EST	7,171	7.08%	82947	CPT	ASSAY GLUCOSE BLOOD QUANT	4,693	4.63%
46	27447	CPT	TOTAL KNEE ARTHROPLASTY	7,053	6.96%	99203	CPT	OFFICE/OUTPATIENT VISIT NEW	4,663	4.60%
47	70450	CPT	CT HEAD/BRAIN W/O DYE	6,998	6.91%	81001	CPT	URINALYSIS AUTO W/SCOPE	4,526	4.47%
48	99215	CPT	OFFICE/OUTPATIENT VISIT EST	6,980	6.89%	E1390	HCPCS	O2 CONC 85%/>O2 CONC PRSC FLW RATE	4,365	4.31%
49	84520	CPT	ASSAY OF UREA NITROGEN	6,678	6.59%	84484	CPT	ASSAY OF TROPONIN QUANT	4,321	4.26%
50	85004	CPT	AUTOMATED DIFF WBC COUNT	6,661	6.57%	A0425	HCPCS	GROUND MILEAGE PER STATUTE MILE	4,130	4.08%

Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes for Pre/Post-Index Periods

Group	Code
ACQUIRED_HEMOPHILIA	286.52
ANTIPHOSPHOLIPID_AB_HEMORRHAGI	286.53
OTH_HEM_D/O_INTRIN_CIRC_AC_AB/	286.59
PRIMARY_THROMBOCYTOPENIA_UN	287.30
IMMUNE_THROMBOCYTOPENIC_PURPUR	287.31
EVANS_SYNDROME	287.32
CNGN&HEREDTRY_THROMBOCYTOPN_PU	287.33
OTHER_PRIMARY_THROMBOCYTOPENIA	287.39
POSTTRANSFUSION_PURPURA	287.41
OTHER_SECONDARY_THROMBOCYTOPEN	287.49
ATRIAL_FIBRILLATION	427.31
ATRIAL_FLUTTER	427.32
VENTRICULAR_FIBRILLATION	427.41
VENTRICULAR_FLUTTER	427.42
UNSPECIFIED_PREMATURE_BEATS	427.60
SUPRAVENTRICULAR_PREMATURE_BEA	427.61
OTHER_PREMATURE_BEATS	427.69
SINOATRIAL_NODE_DYSFUNCTION	427.81
OTHER_SPEC_CARDIAC_DYSRHYTHMIA	427.89
ACQUIRED_CARDIAC_SEPTAL_DEFECT	429.71
OTH_CERTAIN_SEQUELAE_MI_NEC	429.79
OTHER_DISORDERS_PAPILLARY_MUSC	429.81
HYPERKINETIC_HEART_DISEASE	429.82
TAKOTSUBO_SYNDROME	429.83
OTHER_ILL-DEFINED_HEART_DISEAS	429.89
SADDLE_EMBOLUS_OF_ABDOMINAL_AO	444.01
OTH_ART_EMBO_THROMBOSIS_ABD_AO	444.09
EMBO&THROMBOSIS_ART_UPPER_EXTR	444.21
EMBO&THROMBOSIS_ART_LOWER_EXTR	444.22
EMBOLISM&THROMBOSIS_OF_ILIAC_A	444.81
EMBOLISM&THROMBOSIS_OTH_SPEC_A	444.89
POSTPHLEBITIC_SYND_WITHOUT_COM	459.10
POSTPHLEBITIC_SYNDROME_WITH_UL	459.11
POSTPHLEBITIC_SYNDROME_W/INFLA	459.12
POSTPHLEBITIC_SYND_W/ULCER&INF	459.13
POSTPHLEBITIC_SYNDROME_W/OTH_C	459.19
CHRONIC_VENOUS_HTN_WITHOUT_COM	459.30
CHRONIC_VENOUS_HYPERTENSION_W/	459.31
CHRONIC_VENOUS_HTN_W/INFLAMMAT	459.32

CHRONIC_VENOUS_HTN_W/ULCER&INF	459.33
CHRONIC_VENOUS_HTN_W/OTH_COMP	459.39
UNSPECIFIED_VENOUS_INSUFFICIEN	459.81
OTH_SPEC_CIRC_SYSTEM_DISORDERS	459.89
PRECIPITOUS_DROP_IN_HEMATOCRIT	790.01
OTHER_ABNORMALITY_RED_BLOOD_CE	790.09
IMPAIRED_FASTING_GLUKOSE	790.21
IMPAIRED_GLUKOSE_TOLERANCE_TES	790.22
OTHER_ABNORMAL_GLUKOSE	790.29
ABNORMAL_ARTERIAL_BLOOD_GASES	790.91
ABNORMAL_COAGULATION_PROFILE	790.92
ELEVATED_PROSTATE_SPECIFIC_ANT	790.93
EUTHYROID_SICK_SYNDROME	790.94
OTH_NONSPEC_FIND_EX_BLD_ELEVD_	790.95
OTH_NONSPEC_FINDINGS_EXAM_BLOO	790.99
UNS_ABN_FUNCT_STUDY_BRAIN&CNS	794.00
NONSPECIFIC_ABNORM_ECHOENCEPHA	794.01
NONSPECIFIC_ABNORMAL_EEG	794.02
OTH_ABN_BRAIN_&_CNS_FUNCT_STUD	794.09
NONSPEC_ABN_RESPONSE_UNN_NERV_	794.10
NONSPECIFIC_ABNORM_RET_FUNCT_S	794.11
NONSPECIFIC_ABNORMAL_EOG	794.12
NONSPEC_ABNORM_VISLLY_EVOKED_P	794.13
NONSPECIFIC_ABNORM_OCULOMOTOR_	794.14
NONSPEC_ABNORM_AUDITRY_FUNCT_S	794.15
NONSPEC_ABN_VESTIBULAR_FUNCT_S	794.16
NONSPECIFIC_ABNORMAL_ELECTROMY	794.17
OTH_ABN_PERIPH_NERV_SENSES_STU	794.19
NONSPEC_ABNORM_UNNPEC_CV_FUNCT	794.30
NONSPECIFIC_ABNORMAL_ECG	794.31
OTH_NONSPEC_ABN_CV_SYS_FUNCT_S	794.39
ABN_GLANDULAR_PAP_SMEAR_OF_ANU	796.70
PAPANICOLAOU_SMEAR_OF_ANUS_W/A	796.71
PAPANICOLAOU_SMEAR_OF_ANUS_W/A	796.72
PAPANICOLAOU_SMEAR_OF_ANUS_W/L	796.73
PAPANICOLAOU_SMEAR_OF_ANUS_W/H	796.74
ANAL_HIGH_RISK_HPV_DNA_TEST_PO	796.75
PAP_SMEAR_ANUS_W/CYT_EVIDENCE_	796.76
SAT_ANAL_SMEAR_BUT_LACKING_T_Z	796.77
UNSATISFACTORY_ANAL_CYTOLOGY_S	796.78
OTH_ABN_PAP_SMEAR_ANUS_&_ANAL_	796.79
POSTOPERATIVE_SHOCK_UNNPECIFIE	998.00
POSTOPERATIVE_SHOCK_CARDIOGENI	998.01
POSTOPERATIVE_SHOCK_SEPTIC	998.02
POSTOPERATIVE_SHOCK_OTHER	998.09
HEMORRHAGE_COMPLICATING_A_PROC	998.11

HEMATOMA_COMPLICATING_A_PROC_N	998.12
SEROMA_COMPLICATING_A_PROC_NEC	998.13
DISRUPTION_OF_WOUND_UNSPECIFIE	998.30
DISRUPT_INTERN_OPERTION__SURG_	998.31
DISRUPT_EXTERNL_OPERTION_SURG_	998.32
DISRUPT_TRAUMATIC_INJURY_WOUND	998.33
INFECTED_POSTOPERATIVE_SEROMA_	998.51
OTHER_POSTOPERATIVE_INFECTION_	998.59
EMPHYSEMA_RESULTING_FROM_PROC_	998.81
CATARACT_FRAGS_EYE_FOLLOW_SURG	998.82
NON-HEALING_SURGICAL_WOUND_NEC	998.83
OTHER_SPECIFIED_COMPLICATIONS_	998.89
ENCOUNTER_HEARING_EX_FLW_FAIL_	V72.11
ENCOUNTER_HEARING_CONSERVATION	V72.12
OTHER_EXAMINATION_OF_EARS_&_HE	V72.19
ROUTINE_GYNECOLOGICAL_EXAMINAT	V72.31
ENCOUNTR_PAP_CONFRM_NL_SMER_FL	V72.32
PREGNANCY_EXAM/TEST_PG_UNCONFI	V72.40
PREGNANCY_EXAM/TEST_NEG_RESULT	V72.41
PREGNANCY_EXAM/TEST_POSITIVE_R	V72.42
LABORATORY_EXAMINATION_UNSPECI	V72.60
ANTIBODY_RESPONSE_EXAMINATION	V72.61
LAB_EXAM_ORDR_PART_ROUTINE_MED	V72.62
PRE-PROCEDURAL_LAB_EXAMINATION	V72.63
OTHER_LABORATORY_EXAMINATION	V72.69
PRE-OPERATIVE_CV_EXAMINATION	V72.81
PRE-OP_RESPIRATORY_EXAMINATION	V72.82
OTH_SPEC_PRE-OPERATIVE_EXAMINA	V72.83
UNSPEC_PRE-OPERATIVE_EXAMINATI	V72.84
OTHER_SPECIFIED_EXAMINATION	V72.85
ENCOUNTER_FOR_BLOOD_TYPING	V72.86

Appendix B. Specifications for Request ID MSY4_MPR51_V1

Modular Program #7 was used to investigate the top prevalent procedures and diagnoses 30 days before and after incident warfarin use. The query period was from October 1, 2010 to December 31, 2012. The enrollment gap was set at 45 days, and age groups was split as follows: 0-20, 21-44, 45-54, 55-64, 65-74, 75-84, and 85+ years. No principal diagnoses requirement was used to define the index exposure or the pre/post-index date frequencies. In total, 2 scenarios were examined in this request. See below for a description of each of these scenarios.

Scenario	Index Date					Pre/Post-Index Date									
	Incident exposure	Incident w/ respect to:	Washout Period (days)	Incidence Type	Care Setting	Most Frequent Drugs	Most Frequent Procedures	Most Frequent Diagnoses	Pre-Index Lookup Period	Post-Index Lookup Period	Pre/Post-Index Care Setting	Pre/Post-Index Incidence Type	Pre/Post-Index Washout Period	Length of ICD-9 Dx Codes in Output	Pre/Post-Index Blackout Period
1	Warfarin	Warfarin	183	Mult	N/A	0	100	117	30	30	IS, ED, AV, OA	Mult	1	5	0
2	Warfarin	Warfarin	365	Mult	N/A	0	100	117	30	30	IS, ED, AV, OA	Mult	1	5	0

National Drug Code (NDC) codes checked against First Data Bank's "National Drug Data File (NDDF®) Plus"

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis and procedure codes checked against "Ingenix 2012 ICD-9-CM Data File" provided by OptumInsight

Healthcare Common Procedure Coding System (HCPCS) codes checked against "Optum 2012 HCPCS Level II Data File" provided by OptumInsight

Current Procedural Terminology (CPT) codes checked against "Optum 2012 Current Procedure Codes & Relative Values Data File" provided by OptumInsight