# Replication of the EINSTEIN-DVT Anticoagulant Trial in Healthcare Claims Data

NCT04736420

September 14 2021

### 1. RCT Details

This section provides a high-level overview of a **published** RCT that the described real-world evidence study is trying to replicate as closely as possible given the remaining limitations inherent in the healthcare databases.

### 1.1 <u>Title</u>

### Oral Rivaroxaban for Symptomatic Venous Thromboembolism (EINSTEIN DVT)

### 1.2 Intended aim(s)

To compare the risk of symptomatic, recurrent venous thromboembolism (VTE) in patients with acute, symptomatic deep vein thrombosis (DVT) for rivaroxaban versus standard therapy of warfarin.

#### 1.3 Primary endpoint for replication

The primary outcome of the study was symptomatic, recurrent VTE

# 1.4 <u>Required power for primary endpoint and noninferiority margin (if applicable)</u> Assuming a noninferiority margin of 2.0, it was determined that about 3,000 patients would be needed to achieve 90% power to conclude noninferiority of rivaroxaban over standard therapy at two-sided alpha of 0.05.

1.5 <u>Secondary endpoint for replication (assay sensitivity) and RCT finding</u> Major bleeding; RR = 0.65 (95% CI 0.33–1.30)

### 1.6 Trial estimate

RR = 0.68 (95% CI 0.44-1.04) comparing rivaroxaban vs standard therapy (Agnelli et al., 2010)

### 2. Person responsible for implementation of replication in Aetion

Dureshahwar Jawaid, MPH implemented the study design in the Aetion Evidence Platform. She is not responsible for the validity of the design and analytic choices. All implementation steps are recorded and the implementation history is archived in the platform.

### 3. Data Source(s)

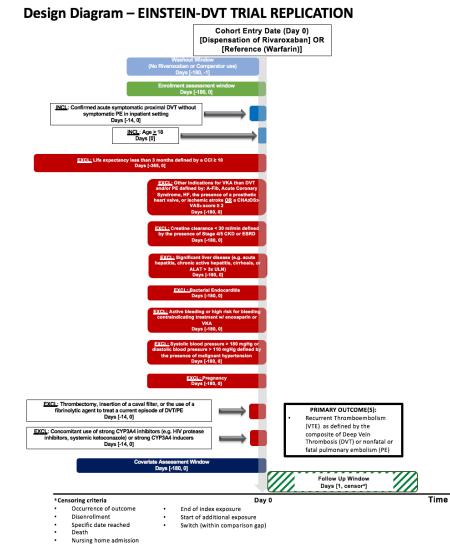
Optum, MarketScan, Medicare

Effectiveness research with Real World Data to support FDA's regulatory decision making

### 4. Study Design Diagram

The study design diagram visualizes key aspects of the longitudinal study design for expedited review.

Figure 1.



### 5. Cohort Identification

#### 5.1 Cohort Summary

This study will involve a new user, parallel group, propensity score-matched, retrospective cohort study design comparing rivaroxaban to warfarin users. The patients will be required to have continuous enrollment during a baseline period of 180 days before initiation of rivaroxaban or warfarin (index date). We will restrict the analyses to patients with a diagnosis of proximal DVT without symptomatic PE.

#### 5.2 Important steps for cohort formation

New use of rivaroxaban, exposure, and warfarin, comparator, is defined as no use of either therapy in 180 days prior to index date.

#### 5.2.1 Eligible cohort entry dates

Market availability of rivaroxaban in the U.S. prevention of venous thromboembolism after orthopedic surgery started on July 30, 2008

- For Medicare: July 30, 2008– December 31, 2017 (end of available data)
- For Marketscan: July 30, 2008 December 31, 2018 (end of available data)
- For Optum: July 30, 2008 March 31, 2020 (end of available data)

### 5.2.2 Specify <u>inclusion/exclusion</u> criteria for cohort entry and define the index date. Inclusion and exclusion criteria were adapted from the trial as closely as possible. Definitions for all inclusion/exclusion are provided in **Appendix A** and are summarized in the flowcharts below.

#### 5.3 Flowchart of the study cohort assembly

	Optum		Truven		Medicare	
	Less Excluded Patients	Remaining Patients	Less Excluded Patients	Remaining Patients	Less Excluded Patients	Remaining Patients
All patients		77,673,639		200,203,908		6,886,908

Final cohort		11353		17885		49367
Excluded based on Exclusion # 15 - Symptomatic Pulmonary Embolism	-369	11,353	-817	17,885	-1008	49,367
Excluded based on Exclusion # 14 - CYP3A4 Inhibitors	-12	11,722	-28	18,702	-72	50,375
Excluded based on Exclusion # 11 - Malignant Hypertension and based on Exclusion # 12 - Pregnancy	-39	11,734	-116	18,730	-120	50,447
Excluded based on Exclusion # 10 - Active Bleeding/High Risk for Bleeding	-295	11,773	-478	18,846	-1,156	50,567
Excluded based on Exclusion # 9 - CCI	-184	12,068	-155	19,324	-348	51,723
Excluded based on Exclusion # 7 - Liver Disease and based on Exclusion # 8 - Bacterial Endocarditis	-497	12,252	-767	19,479	-1,320	52,071
Excluded based on Exclusion # 6 - CKD stage 4/5/ESRD	-114	12,749	-121	20,246	-496	53,391
Excluded based on Exclusion # 3 - other indications for VKA	-1721	12,863	-2,053	20,367	-9,815	53,887
Excluded based on Exclusion # 2 - Thrombobectomy, Caval Filter	-210	14,584	-335	22,420	-903	63,702
Excluded based on Inclusion # 1 - DVT w/o Symptomatic PE and based on Exclusion # 1 - Age <=18	-117,812	14,794	-168,633	22,755	-499,609	64,605
Excluded based on Use of other NOACs (dabigatran, apixaban, edoxaban)	-5421	132,606	-4267	191,388	-21987	564,214
Excluded based on Gender	0	138,027	0	195,655	0	586,201
Excluded based on Age (missing)	0	138,027	0	195,655	-214	586,201
Excluded based on Age (<65 - Medicare only)	-	-	-	-	-72456	586,415
Excluded due to prior use of exposure and because patient qualified in >1 exposure category	-221,490	138,027	-216,501	195,655	-834,065	658,871
Excluded due to prior use of referent	-516,528	359,517	-684,176	412,156	-3,197,338	1,492,936
Excluded due to insufficient enrollment	-118,721	876,045	-99,207	1,096,332	-232,358	4,690,274
Did not meet cohort entry criteria	-76,678,873	994,766	-199,008,369	1,195,539	-1,964,276	4,922,632

#### 6. Variables

#### 6.1 Exposure-related variables:

#### <u>Study drug:</u>

The study exposure of interest is initiation of rivaroxaban. New initiation will be defined by no use of rivaroxaban or warfarin in the prior 6 months before treatment initiation (washout period).

### Comparator:

New initiators of warfarin, defined by no use of rivaroxaban or warfarin in the prior 6 months.

#### 6.2 Covariates:

- Age
- Sex
- Combined Comorbidity Index (CCI), measured over the baseline covariate assessment period, defined as 180 days prior to and including index date

Covariates listed above represent only a small subset of covariates that will ultimately be controlled for in the design and analysis. We use the covariates above only for initial feasibility analyses to judge whether there is likely to be sufficient overlap between treatment groups to proceed with the study. Remaining covariates are defined only after the study has passed the initial feasibility analysis and the initial power assessment and are listed in Table 1 (**Appendix B**).

### 6.3 Outcome variables and study follow-up:

### 6.3.1 Outcome variables

Primary Effectiveness outcomes of interest: (definitions provided in **Appendix A**):

### • Primary Outcome: VTE

Safety outcomes of interest:

1. Major bleeding

#### 6.3.2 Study follow-up

Both as-treated (AT) and intention-to-treat (ITT) analyses will be conducted with treatment defined as the index drug on the day of cohort entry. Because adherence in the real-world databases is expected to be much worse than in the trial, the AT analysis is the primary analysis, as it targets the relative hazard of outcomes on treatment.

For the AT analyses, the follow-up will start the day after initiation of rivaroxaban and comparator and will continue until the earliest date of the following events:

- The first occurrence of the outcome of interest, unless otherwise specified for selected outcomes,
- The date of end of continuous registration in the database,
- End of the study period,
- Measured death event occurs,
- Nursing home admission
  - Nursing home admissions are considered a censoring event because the data sources utilized typically provide little to no data on a patient, particularly on drug utilization, after admission. We will utilize this as an exclusion reason for cohorts for the same reason.
- The date of drug discontinuation, defined as the date of the last continuous treatment episode of the index drug (rivaroxaban and comparator) plus a defined grace period (i.e., 10 days after the end of the last prescription's days' supply in main analyses).
- The date of augmentation or switching from exposure to comparator or vice versa or augmentation/switching to any other NOAC (e.g. switching from rivaroxaban to apixaban would be a censoring event);
  - $\circ~$  A dosage change on the index treatment does not fulfill this criterion
  - o An added treatment that is not part of the exposure or comparator group does not fulfill this criterion

For the intention-to-treat (ITT) analyses, the censoring based on the augmentation/switching and treatment discontinuation will be replaced with a maximum allowed follow-up time of 365 days.

#### 7. Initial Feasibility Analysis

Aetion report name:

Optum- https://bwh-dope.aetion.com/projects/details/1482/results/64422/result/0 MarketScan- https://bwh-dope.aetion.com/projects/details/1480/results/64423/result/0 Medicare- https://bwh-dope.aetion.com/projects/details/1479/results/64424/result/0

### Date conducted: 1/15/2021

Complete Aetion feasibility analysis using age, sex, and CCI as the only covariates and the primary endpoint (Section 6.3.1) as the outcome. No measures of association will be computed nor will incidence rates stratified by treatment group.

- Report patient characteristics by treatment group
- Report summary parameters of study population
- Report median follow-up time by treatment group
- Report reasons for censoring in the overall study population

### 8. Initial Power Assessment

#### Aetion report name:

<u>For rivaroxaban vs. warfarin</u> Optum- <u>https://bwh-dope.aetion.com/projects/details/1482/results/63169/result/0</u> MarketScan- <u>https://bwh-dope.aetion.com/projects/details/1480/results/63168/result/0</u> Mediare- https://bwh-dope.aetion.com/projects/details/1479/results/63200/result/0

### Date conducted: 12/22/2020 (Medicare 12/23/20)

In order to complete the initial power analysis, the dummy outcome of a 90-day gap in database enrollment will be used. This outcome is used to ensure that no information on the comparative risks of the outcomes of interest are available at this stage. Complete a 1:1 PS-matched comparative analysis using this outcome. PS should include only 2 covariates: age and combined comorbidity index. Power calculations are based on the formulas from Chow et al. (2008).

- Stop analyses until feasibility and power are reviewed by primary investigators and FDA. Reviewers evaluate the results of the analyses described above in Sections 7 and 8, including numbers of patients, patient characteristics, follow-up time, and reasons for censoring by treatment group, as well as overall rates of outcomes and study power. These parameters are re-evaluated and reported in the subsequent sections, after incorporating feedback and refining the protocol.
- Stop analyses until balance and final power assessment are reviewed by primary investigators, FDA, and assigned members of advisory board.

Reviewed by PI:	Jessica Franklin	Date reviewed:	11/18/2020
Reviewed by FDA:	Ken Quinto	Date reviewed:	11/29/2020
Reasons for stopping			
analysis (if required):			

#### 9. Balance Assessment

#### Action report links:

Optum: https://bwh-dope.aetion.com/projects/details/1482/results/63187/result/0 Marketscan: https://bwh-dope.aetion.com/projects/details/1480/results/63178/result/0 Medicare: https://bwh-dope.aetion.com/projects/details/1479/results/63202/result/0

### Date conducted: 12/23/20

After review of initial feasibility and power analyses, complete creation of the remaining covariates from Section 6.2. Again, using the dummy outcome of a 90-day gap in database enrollment, complete a 1:1 PS-matched analysis. The PS should include the complete list of covariates.

• Provide plot of PS distributions stratified by treatment group.

<u>Note</u>- Please refer to **Appendix B**.

• Report covariate balance after matching.

<u>Note</u>- For Table 1, please refer to **Appendix B**.

	Overall	Referent	Exposure
Dummy outcome	326 (1.04%)	175 (1.11%)	151 (0.96%)
Death	698 (2.22%)	345 (2.20%)	353 (2.25%)
Start of an additional exposure	1,548 (4.93%)	983 (6.26 %)	565 (3.60%)
End of index exposure	23,549 (74.98%)	11,297 (71.94%)	12,252 (78.02%)
Specified date reached	1,374 (4.37%)	711 (4.53%)	663 (4.22%)
End of patient enrollment	925 (2.95%)	503 (3.20%)	422 (2.69%)
Switch to other NOACs (for censoring) + nursing home admission	2,988 (9.51%)	1,690 (10.76%)	1,298 (8.27%)

#### • Report reasons for censoring by treatment group.

#### • Report follow-up time by treatment group.

Median Follow-Up Time (Days) [IQR]						
Patient Group Optum Marketscan Medicare						
Overall Patient Population	59 [29-131]	73 [38-146]	73 [38-154]			
Referent	64 [28-138]	78 [38-150]	82 [38-165]			
Exposure	54 [29-126]	67 [38-141]	65 [38-139]			

### • Report overall risk of the primary outcome.

	Optum	Marketscan	Medicare	Pooled
Risk per 1,000 patients	17.57	18.15	18.96	18.54

### **10. Final Power Assessment**

### Date conducted: 12/23/20

• Re-calculate power in the appropriate excel table, using the revised number of matched patients from the PS-match in Section 9. All other parameters in the table should be the same as in Section 8.

• Pooled

Superiority Analysis		Non-inferiority Analysis	
Number of patients matched	25,970	Number of patients matched	25,970
Reference	12,985	Reference	12,985
Exposed	12,985	Exposed	12,985
Risk per 1,000 patients	18.54	Risk per 1,000 patients	18.54
Desired HR from RCT	0.68	Assumed HR from RCT	1
Alpha (2-sided)	0.05	Alpha (2-sided)	0.05
		Non-inferiority margin	2
Number of events expected	481.4838	Number of events expected	481.4838
Power	0.988435033	Power	0.999999992

o Optum

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Superiority Analysis		Non-inferiority Analysis	
Number of patients matched	3,150	Number of patients matched	3,150
Reference	1,575	Reference	1,575
Exposed	1,575	Exposed	1,575
Risk per 1,000 patients	17.57	Risk per 1,000 patients	17.57
Desired HR from RCT	0.68	Assumed HR from RCT	1
Alpha (2-sided)	0.05	Alpha (2-sided)	0.05
		Non-inferiority margin	2
Number of events expected	55.3455	Number of events expected	55.3455
Power	0.299994744	Power	0.731829277

#### • Marketscan

[		[	
Superiority Analysis		Non-inferiority Analysis	
Number of patients matched	5,798	Number of patients matched	5,798
Reference	2,899	Reference	2,899
Exposed	2,899	Exposed	2,899
Risk per 1,000 patients	18.15	Risk per 1,000 patients	18.15
Desired HR from RCT	0.68	Assumed HR from RCT	1
Alpha (2-sided)	0.05	Alpha (2-sided)	0.05
		Non-inferiority margin	2
Number of events expected	105.2337	Number of events expected	105.2337
Power	0.507287833	Power	0.944678362

• Medicare

Superiority Analysis		Non-inferiority Analysis	
Number of patients matched	17,022	Number of patients matched	17,022
Reference	8,511	Reference	8,511
Exposed	8,511	Exposed	8,511
Risk per 1,000 patients	18.96	Risk per 1,000 patients	18.96
Desired HR from RCT	0.68	Assumed HR from RCT	1
Alpha (2-sided)	0.05	Alpha (2-sided)	0.05
		Non-inferiority margin	2
Number of events expected	322.73712	Number of events expected	322.73712
Power	0.933738593	Power	0.999990058

• Stop analyses until balance and final power assessment are reviewed by primary investigators, FDA, and assigned members of advisory board.

Reviewed by PI:	Shirley Wang	Date reviewed:	12/24/2020
Reviewed by FDA:	Ken Quinto	Date reviewed:	01/18/2020
Reasons for stopping			
analysis (if required):			

### **11. Study Confidence and Concerns**

Deadline for voting on study confidence and listing concerns: Date votes and concerns are summarized:

- If final feasibility and power analyses are reviewed and approved, proceed to the remaining protocol steps.
- All study team and advisory board members that review this protocol should at this stage provide their level of confidence for the

success of the RWD study in the <u>Google Form</u>. This form also provides space for reviewers to list any concerns that they feel may contribute to a failure to replicate the findings of the RCT, including differences in study populations, poor measurement of study variables, or residual confounding. All responses will be kept confidential and individual-level results will only be shared with the individual respondent.

• After the deadline for voting has passed, provide the distribution of responses and summarize all concerns here.

### 12. Register study protocol on clinicalTrials.gov

#### Date conducted:

• Register the study on <u>clinicalTrials.gov</u> and upload this document.

#### **13.** Comparative Analyses

#### Aetion report name: Date conducted:

- 13.1 For primary analysis:
- 13.2 For sensitivity analyses:

#### 14. Requested Results

#### 14.1 Table 1: Baseline characteristics before and after adjustment

Variable	Before adjustment			After adjustment		
	Referent	Exposure	Std. diff.	Referent	Exposure	Std. diff.
Number of patients			-			-
Age categories						

### 14.2 <u>Table 2: Follow-up time</u>

Patient Group	Median Follow-Up Time (Days) [IQR]
Overall Patient Population	
Referent	
Exposure	

### 14.3 <u>Table 3: Censoring events</u>

	Overall	Referent	Exposure
Outcome			
Death			
Start of an additional exposure			
End of index exposure			
Specified date reached			
End of patient data			
End of patient enrollment			

### 14.4 <u>Table 4: Results from primary analyses;</u>

Analysis	No. exposed events	No. referent events	Exposed rate	Referent rate	HR (95% CI)
Crude					
Analysis 1					
Analysis 2					

HR, Hazard Ratio; CI, Confidence Interval.

### 14.5 <u>Table 5: Results from secondary analyses;</u>

### 15. References

Agnelli G, Berkowitz S, Bounameaux H, et al. Oral Rivaroxaban for Symptomatic Venous Thromboembolism. N Engl J Med. 2010; 363:2499-2510

Chow S, Shao J, Wang H. 2008. *Sample Size Calculations in Clinical Research*. 2nd Ed. Chapman & Hall/CRC Biostatistics Series. page 177

#	EINSTEIN DVT trial definitions	Implementation in routine care	Please see the following Google Drive for further details or any missing infor https://drive.google.com/drive/folders/1WD618wrywYIEaXrlLTcuK-VCcnb6b-gV7	mation: usp=sharing
	Trial details- Primary approval; Unintended S with label change		Some codes are not listed in this document because of excel cell size limitations and excessive number of ICD-10 codes. Full ICD-10 code lists will be available in the above Google Drive Folder (link above). ICD-9 to ICD-10 code conversions were completed using a SAS macro that implements. forward/backward mapping based on the CMS ICD-9 to ICD-10 mapping: https://www.nber.ore/data/cd9-icd-10-cm-and-pcs-crosswalk-general-gouvalence-mapping.html	
	EXPOSURE vs. COMPARISON		References/Rationale	Color coding
		Rivaroxaban vs. Warfarin		Criteria
	PRIM	ARY OUTCOME		Adequate mapping in claims
	Recurrent thromboembolism defined as the composite of (Deep vein thrombosis) DVT or nonfatal or fatal pulmonary embolism (PE)	Measured 1 day after drug initiation in any diagnosis position and in an inpatient care setting <u>Recurrent VTE (composite of DVT or PE);</u> See 'VTE' sheet for codes	Fang MC, Fan D, Sung SH, et al. Validity of Using Inpatient and Outpatient Administrative Codes to Identify Acute Venous Thromboembolism: The CVRN VTE Study. Med Care. 2017;55(12):e137-e143.	Intermediate mapping in claims
				Poor mapping or cannot be measured
1		SIGN CHTERIA           Measured 14 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or ED care setting as defined below:           DVT:           [CD-0 Dx:           451.1x, 451.2x, 451.81, 451.9x, 453.1x, 453.2x, 453.8x, 453.9x, 453.40, 453.41, 453.42, 453.0           [CD-10 Dx:           180.1*, 180.2, 180.3, 180.9, 182.0, 182.1, 182.2* EXCEPTI82.2%1, 182.4*, 182.6*, 182.890, 182.90, 182.90, 182.90, 182.91*, 182.61*, 180.2, 180.3, 180.9, 182.0, 126.991, 782.81*, 182.61*, 180.2, 180.3, 180.2, 180.3, 180.9, 182.0, 126.991, 782.91*, 182.61*, 180.2, 180.3, 180.90, 182.90, 126.991, 782.91*, 182.61*, 180.2, 180.3, 180.90, 182.90, 182.91, 182.91*, 182.61*, 180.2, 180.3, 180.90, 182.90, 182.90, 182.90, 182.90, 182.90, 182.90, 182.90, 182.90, 782.91	We will apply PE as exclusion criteria.	In claims Can't be measured in claims but not important for the analysis
		(and I26.90 or I26.99), T82818A (and I26.90 or I26.99)		
2	Written informed consent	N/A		
		SION CRITERIA Measured on day of drug initiation		
1	Legal lower age limitations	we sure on day or drug initiation Age < 18 Measured 14 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or		
2	Thrombobectomy, insertion of a caval filter, or use of a fibrinolytic agent to treat the current episode of DVT or PE	outpatient care setting as defined below: <u>Thrombectomy:</u> <u>ICD3 Px:</u> <u>39.74</u> <u>ICD-10 Px:</u> <u>03CG3ZZ, 03CG4ZZ, 03CH3ZZ, 03CH4ZZ, 03CI4ZZ, 03CK3ZZ, 03CK4ZZ, 03CL3ZZ, 03CL4ZZ, 03CM3ZZ, 03CG4ZZ, 03CK3ZZ, 03CH3ZZ, 03CP4ZZ, 03CP4ZZ, 03CQ4ZZ, 03CG4ZZ, 03CR3ZZ, 03CS4ZZ, 03CS4ZZ, 03CG3ZZ, 03CF4ZZ, 03CU3ZZ, 03CU4ZZ, 03CV3ZZ, 03CV4ZZ HCPCS: C1757 <u>Caval filter:</u> <u>CPT:</u> <u>37191, 37192</u> <u>HCPCS:</u> C1880</u>		
3	Other indications for VKA than DVT and/or PE	Mesured 180 days prior to drug initiation in any diagnosis position and inpatient or outpatient care setting as defined below: Atrial fibrillation: ICD= 0x: 427.3x Acute coronary syndrome: ICD= 0x: 411.xx ICD= 0x: I24.9 Heart failure: ICD= 0x: 428.x, 398.91, 402.01, 402.11, 402.91, 404.01, 404.11, 404.91, 404.03, 404.13, 404.93 Prosthetic heart valve: ICD= 0x: 428.x, 398.91, 402.01, 402.11, 402.91, 404.01, 404.11, 404.91, 404.03, 404.13, 404.93 Prosthetic heart valve: ICD= 0x: 428.x, 398.81, 402.01, 402.11, 402.91, 404.01, 404.11, 404.91, 404.03, 404.13, 404.93 Prosthetic heart valve: ICD= 0x: 433.xx, 434.xx, 436.xx		
4	More than 48 hours pre-randomization treatment with therapeutic dosages of anti-coagulant treatment or more than a single dose of VKA prior to randomization			

	N/A
5 Participation in another pharmacotherapeutic study within 30 days	
6 Creatinine clearance <30 ml/min	Measured 180 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or outpatient care setting as defined below:           CKD stage 4/5/ESRD; ICD-9 Dx; S85.4x, 585.5x, 585.6x           ICD-10 Dx; N18.4x, N18.5x, N18.5x
	N18.4X, N18.5X, N18.5X Measured 180 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or
7 Significant liver disease (e.g. acute hepatitis, chronic active hepatitis, cirrhosis) or ALAT>3x ULN	Moderate/severe liver disease:       ICO-9 Dx:         070.xx, 570.xx, 573.xx, 456.0x, 456.2x, 576.8x, 782.4x, 789.5x         ICD-9 Dx:         070.xx, 570.3xx, 456.0x, 456.2x, 576.8x, 782.4x, 789.5x
8 Bacterial endocarditis	Measured 180 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or outpatient care setting as defined below: <ul> <li>Basterial endocarditis:</li> <li>1C0-9 Dr.:</li> <li>421.x</li> <li>1C0-10 Dr.:</li> <li>133.x</li> </ul> <ul> <li>How the setting as the set is the setting as the setting as the set is the set</li></ul>
9 Life expectancy <3 months	Measured over 365 days prior to drug initiation: CCI >= 10
10 Active bleeding or high risk for bleeding contraindicating treatment with enoxaparin or VKA	Measured 180 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or outpatient care setting as defined below: Active bleeding or bleeding history—see 'Major Bleeding' sheet
11 Systolic blood pressure >180 mgHg or diastolic blood pressure >110mgHg	Measured 180 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient or outpatient care setting as defined below:         Malgnant Hypertension:         (CD-9 Dr);         401.0, 402.0, 402.00, 403.01, 403.0, 403.01, 404.0, 404.01, 404.02, 404.03, 405.0, 405.01, 405.09
12 Childbearing potential without proper contraceptive measures, pregnancy or breastfeeding	Measured 180 days prior to and including they day of drug initiation in any diagnosis position and in an inpatient or outpatient care setting as defined below: Pregnancy or lactation—see 'Pregnancy' sheet
13 Any other contraindication listed in the local labeling of enoxaparin, warfarin, or acenocoumarol	N/A
14 Concomitant use of strong CYP3A4 inhibitors (e.g. HIV protease inhibitors, systemic ketoconazole) or strong CYP3A4 inducers rifampin	Prescription claim for following CYP3A inhibitors or strong CYP3A inducers Measured 14 days prior to and also <u>on</u> the drug initiation date Inhibitors: Ketoconazole, itraconazole, voriconazole, telithromycin, clarithromycin, nefazodone, ritonavir, saquinavir, neffinavir, indinavir, atazanavir Inducers: Rifampin, rifampicin/rifampin, phenytoin, carbamazepine
15 Symptomatic pulmonary embolism	Measured 14 days prior to and including the day of drug initiation in any diagnosis position and in an inpatient care setting as defined below: Pulmonary embolism: ICD-9 Dx: 415.1x ICD-10 Dx: I26.* EXCEPT I26.90

Trial Catergory	Secondary initiation
RCT Category	5a- Successful NI with label change
Trial Name (with web links)	EINSTEIN DVT
Study Batch	NOACs
NCT	NCT00440193
Therapeutic Area	Cardiology/Vascular Diseases
Brand Name	Xarelto
Generic Name	Rivaroxaban
<u>Sponsor</u>	Bayer
Year	2010
Measurable endpoint	Percentage of Participants With Symptomatic Recurrent Venous Thromboembolism [VTE] (i.e. the Composite of
	Recurrent Deep Vein Thrombosis [DVT] or Fatal or Non-fatal Pulmonary Embolism [PE]) Until the Intended End of Study Treatment
Exposure	Rivaroxaban
<u>Comparator</u>	Enoxaparin/VKA
Trial finding	HR = 0.68 (95% CI 0.44–1.04)
No. of Patients	3,449
Non-inferiority margin	HR = 2.0
Finding for potential Assay Sens. Outcome from trial-	HR 0.72, 95% CI 0.53-0.99
Assay Sens. Finding	Percentage of Participants With the Composite Variable Comprising Recurrent DVT, Non-fatal PE and All Cause Mortality Until the Intended End of Study Treatment
<u>Power</u>	0.90. Assuming equal efficacy, a total of 88 events was calculated to give a power of 90% to prove that rivaroxaban is at least as effective as the comparator, considering a non-inferiority upper CI margin for the hazard ratio of 2.0 (two-sided $\alpha$ =0.05). A mean incidence for the primary efficacy outcome of 3% was expected and at least 1465 participants per group were determined to be necessary. This number was to be adjusted based on the observed overall incidence of symptomatic recurrent VTE.

Title	
Venous Thromboembolism (VTE)	
ICD-9 Dx inpatient primary position	
PE	
415.1	PULMONARY EMBOLISM AND INFARCTION
415.11	IATROGENIC PULMONARY EMBOLISM AND INFARCTION
415.19	OTHER PULMONARY EMBOLISM AND INFARCTION
DVT	
451.1	PHLEBITIS AND THROMBOPHLEBITIS OF DEEP VEINS OF LOWER EXTREMITIES
451.11	PHLEBITIS AND THROMBOPHLEBITIS OF FEMORAL VEIN (DEEP) (SUPERFICIAL)
451.19	PHLEBITIS AND THROMBOPHLEBITIS OF OTHER
451.2	PHLEBITIS AND THROMBOPHLEBITIS OF LOWER EXTREMITIES UNSPECIFIED
451.81	PHLEBITIS AND THROMBOPHLEBITIS OF ILIAC VEIN
451.9	PHLEBITIS AND THROMBOPHLEBITIS OF UNSPECIFIED SITE
453	BUDD-CHIARI SYNDROME
453.1	THROMBOPHLEBITIS MIGRANS
453.2	EMBOLISM AND THROMBOSIS OF INFERIOR VENA CAVA
453.4	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF DEEP VESSELS OF LOWER EXTREMITY
453.4	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF UNSPECIFIED DEEP VESSELS OF LOWER EXTREMITY
453.41	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF DEEP VESSELS OF PROXIMAL LOWER EXTREMITY
453.42	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF DEEP VESSELS OF DISTAL LOWER EXTREMITY
453.5	CHRONIC VENOUS EMBOLISM AND THROMBOSIS OF DEEP VESSELS OF LOWER EXTREMITY
453.5	CHRONIC VENOUS EMBOLISM AND THROMBOSIS OF UNSPECIFIED DEEP VESSELS OF LOWER EXTREMITY
453.51	CHRONIC VENOUS EMBOLISM AND THROMBOSIS OF DEEP VESSELS OF PROXIMAL LOWER EXTREMITY
453.52	CHRONIC VENOUS EMBOLISM AND THROMBOSIS OF DEEP VESSELS OF DISTAL LOWER EXTREMITY
453.8	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF OTHER SPECIFIED VEINS
453.82	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF DEEP VEINS OF UPPER EXTREMITY
453.83	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF UPPER EXTREMITY UNSPECIFIED
453.84	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF AXILLARY VEINS
453.85	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF SUBCLAVIAN VEINS
453.86	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF INTERNAL JUGULAR VEINS
453.87	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF OTHER THORACIC VEINS
453.89	ACUTE VENOUS EMBOLISM AND THROMBOSIS OF OTHER SPECIFIED VEINS

453.9	EMBOLISM AND THROMBOSIS OF UNSPECIFIED SITE
ICD-10 Dx inpatient p	rimary position
PE	
126.0	Pulmonary embolism with acute cor pulmonale
126.01	Septic pulmonary embolism with acute cor pulmonale
126.02	Saddle embolus of pulmonary artery with acute cor pulmonale
126.09	Other pulmonary embolism with acute cor pulmonale
126.9	Pulmonary embolism without acute cor pulmonale
126.99	Other pulmonary embolism without acute cor pulmonale
DVT	
180.1	Phlebitis and thrombophlebitis of femoral vein
180.10	Phlebitis and thrombophlebitis of unspecified femoral vein
180.11	Phlebitis and thrombophlebitis of right femoral vein
180.12	Phlebitis and thrombophlebitis of left femoral vein
180.13	Phlebitis and thrombophlebitis of femoral vein, bilateral
180.2	Phlebitis and thrombophlebitis of other and unspecified deep vessels of lower extremities
180.20	Phlebitis and thrombophlebitis of unspecified deep vessels of lower extremities
180.201	Phlebitis and thrombophlebitis of unspecified deep vessels of right lower extremity
180.202	Phlebitis and thrombophlebitis of unspecified deep vessels of left lower extremity
180.203	Phlebitis and thrombophlebitis of unspecified deep vessels of lower extremities, bilateral
180.209	Phlebitis and thrombophlebitis of unspecified deep vessels of unspecified lower extremity
180.21	Phlebitis and thrombophlebitis of iliac vein
180.211	Phlebitis and thrombophlebitis of right iliac vein
180.212	Phlebitis and thrombophlebitis of left iliac vein
180.213	Phlebitis and thrombophlebitis of iliac vein, bilateral
180.219	Phlebitis and thrombophlebitis of unspecified iliac vein
180.22	Phlebitis and thrombophlebitis of popliteal vein
180.221	Phlebitis and thrombophlebitis of right popliteal vein
180.222	Phlebitis and thrombophlebitis of left popliteal vein
180.223	Phlebitis and thrombophlebitis of popliteal vein, bilateral
180.229	Phlebitis and thrombophlebitis of unspecified popliteal vein
180.23	Phlebitis and thrombophlebitis of tibial vein
180.231	Phlebitis and thrombophlebitis of right tibial vein

180.232	Phlebitis and thrombophlebitis of left tibial vein
180.233	Phlebitis and thrombophlebitis of tibial vein, bilateral
180.239	Phlebitis and thrombophlebitis of unspecified tibial vein
180.29	Phlebitis and thrombophlebitis of other deep vessels of lower extremities
180.291	Phlebitis and thrombophlebitis of other deep vessels of right lower extremity
180.292	Phlebitis and thrombophlebitis of other deep vessels of left lower extremity
180.293	Phlebitis and thrombophlebitis of other deep vessels of lower extremity, bilateral
180.299	Phlebitis and thrombophlebitis of other deep vessels of unspecified lower extremity
180.3	Phlebitis and thrombophlebitis of lower extremities, unspecified
180.9	Phlebitis and thrombophlebitis of unspecified site
182.0	Exposure) Rivaroxaban+E+E6
182.1	Thrombophlebitis migrans
180.3	Phlebitis and thrombophlebitis of lower extremities, unspecified
182.4	Acute embolism and thrombosis of deep veins of lower extremity
182.40	Acute embolism and thrombosis of unspecified deep veins of lower extremity
182.401	Acute embolism and thrombosis of unspecified deep veins of right lower extremity
182.402	Acute embolism and thrombosis of unspecified deep veins of left lower extremity
182.403	Acute embolism and thrombosis of unspecified deep veins of lower extremity, bilateral
182.409	Acute embolism and thrombosis of unspecified deep veins of unspecified lower extremity
182.41	Acute embolism and thrombosis of femoral vein
182.411	Acute embolism and thrombosis of right femoral vein
182.412	Acute embolism and thrombosis of left femoral vein
182.413	Acute embolism and thrombosis of femoral vein, bilateral
182.419	Acute embolism and thrombosis of unspecified femoral vein
182.42	Acute embolism and thrombosis of iliac vein
182.421	Acute embolism and thrombosis of right iliac vein
182.422	Acute embolism and thrombosis of left iliac vein
182.423	Acute embolism and thrombosis of iliac vein, bilateral
182.429	Acute embolism and thrombosis of unspecified iliac vein
182.43	Acute embolism and thrombosis of popliteal vein
182.431	Acute embolism and thrombosis of right popliteal vein
182.432	Acute embolism and thrombosis of left popliteal vein
182.433	Acute embolism and thrombosis of popliteal vein, bilateral
182.439	Acute embolism and thrombosis of unspecified popliteal vein
182.44	Acute embolism and thrombosis of tibial vein

182.441	Acute embolism and thrombosis of right tibial vein
182.442	Acute embolism and thrombosis of left tibial vein
182.443	Acute embolism and thrombosis of tibial vein, bilateral
182.449	Acute embolism and thrombosis of unspecified tibial vein
182.49	Acute embolism and thrombosis of other specified deep vein of lower extremity
182.491	Acute embolism and thrombosis of other specified deep vein of right lower extremity
182.492	Acute embolism and thrombosis of other specified deep vein of left lower extremity
182.493	Acute embolism and thrombosis of other specified deep vein of lower extremity, bilateral
182.499	Acute embolism and thrombosis of other specified deep vein of unspecified lower extremity
182.4Y	Acute embolism and thrombosis of unspecified deep veins of proximal lower extremity
182.4Y1	Acute embolism and thrombosis of unspecified deep veins of right proximal lower extremity
182.4Y2	Acute embolism and thrombosis of unspecified deep veins of left proximal lower extremity
I82.4Y3	Acute embolism and thrombosis of unspecified deep veins of proximal lower extremity, bilateral
I82.4Y9	Acute embolism and thrombosis of unspecified deep veins of unspecified proximal lower extremity
182.4Z	Acute embolism and thrombosis of unspecified deep veins of distal lower extremity
182.4Z1	Acute embolism and thrombosis of unspecified deep veins of right distal lower extremity
182.4Z2	Acute embolism and thrombosis of unspecified deep veins of left distal lower extremity
182.4Z3	Acute embolism and thrombosis of unspecified deep veins of distal lower extremity, bilateral
182.4Z9	Acute embolism and thrombosis of unspecified deep veins of unspecified distal lower extremity
182.5	Chronic embolism and thrombosis of deep veins of lower extremity
182.50	Chronic embolism and thrombosis of unspecified deep veins of lower extremity
182.501	Chronic embolism and thrombosis of unspecified deep veins of right lower extremity
182.502	Chronic embolism and thrombosis of unspecified deep veins of left lower extremity
182.503	Chronic embolism and thrombosis of unspecified deep veins of lower extremity, bilateral
182.509	Chronic embolism and thrombosis of unspecified deep veins of unspecified lower extremity
182.51	Chronic embolism and thrombosis of femoral vein
182.511	Chronic embolism and thrombosis of right femoral vein
182.512	Chronic embolism and thrombosis of left femoral vein
182.513	Chronic embolism and thrombosis of femoral vein, bilateral
182.519	Chronic embolism and thrombosis of unspecified femoral vein
182.52	Chronic embolism and thrombosis of iliac vein
182.521	Chronic embolism and thrombosis of right iliac vein
182.522	Chronic embolism and thrombosis of left iliac vein
182.523	Chronic embolism and thrombosis of iliac vein, bilateral
182.529	Chronic embolism and thrombosis of unspecified iliac vein

182.53	Chronic embolism and thrombosis of popliteal vein
182.531	Chronic embolism and thrombosis of right popliteal vein
182.532	Chronic embolism and thrombosis of left popliteal vein
182.533	Chronic embolism and thrombosis of popliteal vein, bilateral
182.539	Chronic embolism and thrombosis of unspecified popliteal vein
182.54	Chronic embolism and thrombosis of tibial vein
182.541	Chronic embolism and thrombosis of right tibial vein
182.542	Chronic embolism and thrombosis of left tibial vein
182.543	Chronic embolism and thrombosis of tibial vein, bilateral
182.549	Chronic embolism and thrombosis of unspecified tibial vein
182.59	Chronic embolism and thrombosis of other specified deep vein of lower extremity
182.591	Chronic embolism and thrombosis of other specified deep vein of right lower extremity
182.592	Chronic embolism and thrombosis of other specified deep vein of left lower extremity
182.593	Chronic embolism and thrombosis of other specified deep vein of lower extremity, bilateral
182.599	Chronic embolism and thrombosis of other specified deep vein of unspecified lower extremity
I82.5Y	Chronic embolism and thrombosis of unspecified deep veins of proximal lower extremity
I82.5Y1	Chronic embolism and thrombosis of unspecified deep veins of right proximal lower extremity
I82.5Y2	Chronic embolism and thrombosis of unspecified deep veins of left proximal lower extremity
I82.5Y3	Chronic embolism and thrombosis of unspecified deep veins of proximal lower extremity, bilateral
I82.5Y9	Chronic embolism and thrombosis of unspecified deep veins of unspecified proximal lower extremity
I82.5Z	Chronic embolism and thrombosis of unspecified deep veins of distal lower extremity
I82.5Z1	Chronic embolism and thrombosis of unspecified deep veins of right distal lower extremity
182.5Z2	Chronic embolism and thrombosis of unspecified deep veins of left distal lower extremity
182.5Z3	Chronic embolism and thrombosis of unspecified deep veins of distal lower extremity, bilateral
182.529	Chronic embolism and thrombosis of unspecified deep veins of unspecified distal lower extremity
182.6	Acute embolism and thrombosis of veins of upper extremity
182.60	Acute embolism and thrombosis of unspecified veins of upper extremity
182.601	Acute embolism and thrombosis of unspecified veins of right upper extremity
182.602	Acute embolism and thrombosis of unspecified veins of left upper extremity
182.603	Acute embolism and thrombosis of unspecified veins of upper extremity, bilateral
182.609	Acute embolism and thrombosis of unspecified veins of unspecified upper extremity
182.62	Acute embolism and thrombosis of deep veins of upper extremity
182.621	Acute embolism and thrombosis of deep veins of right upper extremity
182.622	Acute embolism and thrombosis of deep veins of left upper extremity
182.623	Acute embolism and thrombosis of deep veins of upper extremity, bilateral

182.629	Acute embolism and thrombosis of deep veins of unspecified upper extremity
182.890	Acute embolism and thrombosis of other specified veins
182.90	Acute embolism and thrombosis of unspecified vein
I82.A1	Acute embolism and thrombosis of axillary vein
I82.A11	Acute embolism and thrombosis of right axillary vein
I82.A12	Acute embolism and thrombosis of left axillary vein
I82.A13	Acute embolism and thrombosis of axillary vein, bilateral
I82.A19	Acute embolism and thrombosis of unspecified axillary vein
I82.B1	Acute embolism and thrombosis of subclavian vein
I82.B11	Acute embolism and thrombosis of right subclavian vein
I82.B12	Acute embolism and thrombosis of left subclavian vein
I82.B13	Acute embolism and thrombosis of subclavian vein, bilateral
I82.B19	Acute embolism and thrombosis of unspecified subclavian vein
I82.C1	Acute embolism and thrombosis of internal jugular vein
I82.C11	Acute embolism and thrombosis of right internal jugular vein
I82.C12	Acute embolism and thrombosis of left internal jugular vein
I82.C13	Acute embolism and thrombosis of internal jugular vein, bilateral
I82.C19	Acute embolism and thrombosis of unspecified internal jugular vein

Title	
Major Bleeding	
, , ,	
ICD-9 Dx: 1 inpatient or 2 outpatient	
562.02	DIVERTICULOSIS OF SMALL INTESTINE WITH HEMORRHAGE
562.03	DIVERTICULITIS OF SMALL INTESTINE WITH HEMORRHAGE
562.12	DIVERTICULOSIS OF COLON WITH HEMORRHAGE
562.13	DIVERTICULITIS OF COLON WITH HEMORRHAGE
568.81	HEMOPERITONEUM (NONTRAUMATIC
569.3	HEMORRHAGE OF RECTUM AND ANUS
569.83	PERFORATION OF INTESTINE
569.85	ANGIODYSPLASIA OF INTESTINE WITH HEMORRHAGE OF INTESTINE
569.86	DIEULAFOY LESION (HEMORRHAGIC
578	HEMATEMESIS
578.9	HEMORRHAGE OF GASTROINTESTINAL TRACT UNSPECIFIED
423	HEMOPERICARDIUM
432	NONTRAUMATIC EXTRADURAL HEMORRHAGE
432.1	SUBDURAL HEMORRHAGE
432.9	UNSPECIFIED INTRACRANIAL HEMORRHAGE
459	HEMORRHAGE UNSPECIFIED
531	ACUTE GASTRIC ULCER WITH HEMORRHAGE
531	ACUTE GASTRIC ULCER WITH HEMORRHAGE WITHOUT OBSTRUCTION
531.01	ACUTE GASTRIC ULCER WITH HEMORRHAGE WITH OBSTRUCTION
531.2	ACUTE GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION
531.2	ACUTE GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
531.21	ACUTE GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
531.4	CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE
531.4	CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE WITHOUT OBSTRUCTION
531.41	CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE WITH OBSTRUCTION
531.6	CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION
531.6	CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
531.61	CHRONIC OR UNSPECIFIED GASTRIC ULCER WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
532	ACUTE DUODENAL ULCER WITH HEMORRHAGE
532	ACUTE DUODENAL ULCER WITH HEMORRHAGE WITHOUT OBSTRUCTION
532.01	ACUTE DUODENAL ULCER WITH HEMORRHAGE WITH OBSTRUCTION
532.2	ACUTE DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION
532.2	ACUTE DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
532.21	ACUTE DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
532.4	CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE
532.4	CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE WITHOUT OBSTRUCTION
532.41	CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE WITH OBSTRUCTION

532.6	CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION
532.6	CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
532.61	CHRONIC OR UNSPECIFIED DUODENAL ULCER WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
533	ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE
533	ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE WITHOUT OBSTRUCTION
533.01	ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE WITH OBSTRUCTION
533.2	ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE AND PERFORATION
533.2	ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
533.21	ACUTE PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
533.4	CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE
533.4	CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE WITHOUT OBSTRUCTION
533.41	CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE WITH OBSTRUCTION
533.6	CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE AND PERFORATION
533.6	CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
533.61	CHRONIC OR UNSPECIFIED PEPTIC ULCER OF UNSPECIFIED SITE WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
534	ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE
534	ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE WITHOUT OBSTRUCTION
534.01	ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE WITH OBSTRUCTION
534.2	ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATION
534.2	ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
534.21	ACUTE GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
534.4	CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRHAGE
534.4	CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRHAGE WITHOUT OBSTRUCTION
534.41	CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRHAGE WITH OBSTRUCTION
534.6	CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATION
534.6	CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATION WITHOUT OBSTRUCTION
534.61	CHRONIC OR UNSPECIFIED GASTROJEJUNAL ULCER WITH HEMORRHAGE AND PERFORATION WITH OBSTRUCTION
578.1	BLOOD IN STOOL
719.1	HEMARTHROSIS
719.1	HEMARTHROSIS SITE UNSPECIFIED
719.11	HERARTHROSIS INVOLVING SHOULDER REGION
719.12	HEMARTHORSIS INVOLVING UPPER ARM
719.13	HEMARTHROSIS INVOLVING FOREARM
719.14	HEMARTHROSIS INVOLVING HAND
719.15	HEMARTHROSIS INVOLVING PELVIC REGION AND THIGH
719.16	HEMARTHROSIS INVOLVING LOWER LEG
719.17	HEMARTHROSIS INVOLVING ANKLE AND FOOT
719.18	HEMARTHROSIS INVOLVING OTHER SPECIFIED SITES
719.19	HEMARTHROSIS INVOLVING MULTIPLE SITES
430	SUBARACHNOID HEMORRHAGE
431	INTRACEREBRAL HEMORRHAGE

784.7	EPISTAXIS
784.8	HEMORRHAGE FROM THROAT
599.7	HEMATURIA
599.7	HEMATURIA UNSPECIFIED
599.71	GROSS HEMATURIA
599.72	MICROSCOPIC HEMATURIA
786.3	HEMOPTYSIS
786.3	HEMOPTYSIS UNSPECIFIED
786.31	ACUTE IDIOPATHIC PULMONARY HEMORRHAGE IN INFANTS
786.39	OTHER HEMOPTYSIS
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ICD-10 Dx: 1 inpatient or 2 outpatient	
131.2	Hemopericardium, not elsewhere classified
160.00	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation
160.01	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation
160.02	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation
160.10	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery
160.11	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery
160.12	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery
160.2	Nontraumatic subarachnoid hemorrhage from anterior communicating artery
160.30	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery
160.31	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery
160.32	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery
160.4	Nontraumatic subarachnoid hemorrhage from basilar artery
160.50	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery
160.51	Nontraumatic subarachnoid hemorrhage from right vertebral artery
160.52	Nontraumatic subarachnoid hemorrhage from left vertebral artery
160.6	Nontraumatic subarachnoid hemorrhage from other intracranial arteries
160.7	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery
160.8	Other nontraumatic subarachnoid hemorrhage
160.9	Nontraumatic subarachnoid hemorrhage, unspecified
161.0	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical
161.1	Nontraumatic intracerebral hemorrhage in hemisphere, cortical
161.2	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified
161.3	Nontraumatic intracerebral hemorrhage in brain stem
161.4	Nontraumatic intracerebral hemorrhage in cerebellum
161.5	Nontraumatic intracerebral hemorrhage, intraventricular
161.6	Nontraumatic intracerebral hemorrhage, multiple localized
161.8	Other nontraumatic intracerebral hemorrhage
161.9	Nontraumatic intracerebral hemorrhage, unspecified
162.00	Nontraumatic subdural hemorrhage, unspecified

162.01	Nontraumatic acute subdural hemorrhage
162.02	Nontraumatic subacute subdural hemorrhage
162.03	Nontraumatic chronic subdural hemorrhage
162.1	Nontraumatic extradural hemorrhage
162.9	Nontraumatic intracranial hemorrhage, unspecified
K25.0	Acute gastric ulcer with hemorrhage
K25.2	Acute gastric ulcer with both hemorrhage and perforation
K25.4	Chronic or unspecified gastric ulcer with hemorrhage
K25.6	Chronic or unspecified gastric ulcer with both hemorrhage and perforation
K26.0	Acute duodenal ulcer with hemorrhage
K26.2	Acute duodenal ulcer with both hemorrhage and perforation
K26.4	Chronic or unspecified duodenal ulcer with hemorrhage
K26.6	Chronic or unspecified duodenal ulcer with both hemorrhage and perforation
K27.0	Acute peptic ulcer, site unspecified, with hemorrhage
K27.2	Acute peptic ulcer, site unspecified, with both hemorrhage and perforation
K27.4	Chronic or unspecified peptic ulcer, site unspecified, with hemorrhage
K27.6	Chronic or unspecified peptic ulcer, site unspecified, with both hemorrhage and perforation
K28.0	Acute gastrojejunal ulcer with hemorrhage
K28.2	Acute gastrojejunal ulcer with both hemorrhage and perforation
K28.4	Chronic or unspecified gastrojejunal ulcer with hemorrhage
K28.6	Chronic or unspecified gastrojejunal ulcer with both hemorrhage and perforation
K55.21	Angiodysplasia of colon with hemorrhage
K56.60	Unspecified intestinal obstruction
K57.01	Diverticulitis of small intestine with perforation and abscess with bleeding
K57.11	Diverticulosis of small intestine without perforation or abscess with bleeding
K57.13	Diverticulitis of small intestine without perforation or abscess with bleeding
K57.21	Diverticulitis of large intestine with perforation and abscess with bleeding
K57.31	Diverticulosis of large intestine without perforation or abscess with bleeding
K57.33	Diverticulitis of large intestine without perforation or abscess with bleeding
K57.41	Diverticulitis of both small and large intestine with perforation and abscess with bleeding
K57.51	Diverticulosis of both small and large intestine without perforation or abscess with bleeding
K57.53	Diverticulitis of both small and large intestine without perforation or abscess with bleeding
K57.81	Diverticulitis of intestine, part unspecified, with perforation and abscess with bleeding
K57.91	Diverticulosis of intestine, part unspecified, without perforation or abscess with bleeding
K57.93	Diverticulitis of intestine, part unspecified, without perforation or abscess with bleeding
K62.5	Hemorrhage of anus and rectum
K63.1	Perforation of intestine (nontraumatic
K63.81	Dieulafoy lesion of intestine
K66.1	Hemoperitoneum
К92.0	Hematemesis
К92.1	Melena

К92.2	Gastrointestinal hemorrhage, unspecified
M25.00	Hemarthrosis, unspecified joint
M25.011	Hemarthrosis, right shoulder
M25.012	Hemarthrosis, left shoulder
M25.019	Hemarthrosis, unspecified shoulder
M25.021	Hemarthrosis, right elbow
M25.022	Hemarthrosis, left elbow
M25.029	Hemarthrosis, unspecified elbow
M25.031	Hemarthrosis, right wrist
M25.032	Hemarthrosis, left wrist
M25.039	Hemarthrosis, unspecified wrist
M25.041	Hemarthrosis, right hand
M25.042	Hemarthrosis, left hand
M25.049	Hemarthrosis, unspecified hand
M25.051	Hemarthrosis, right hip
M25.052	Hemarthrosis, left hip
M25.059	Hemarthrosis, unspecified hip
M25.061	Hemarthrosis, right knee
M25.062	Hemarthrosis, left knee
M25.069	Hemarthrosis, unspecified knee
M25.071	Hemarthrosis, right ankle
M25.072	Hemarthrosis, left ankle
M25.073	Hemarthrosis, unspecified ankle
M25.074	Hemarthrosis, right foot
M25.075	Hemarthrosis, left foot
M25.076	Hemarthrosis, unspecified foot
M25.08	Hemarthrosis, other specified site
R58	Hemorrhage, not elsewhere classified
R04	Hemorrhage from respiratory passages
R04.0	Epistaxis
R04.1	Hemorrhage from throat
R04.2	Hemoptysis
R04.8	Hemorrhage from other sites in respiratory passages
R04.81	Acute idiopathic pulmonary hemorrhage in infants
R04.89	Hemorrhage from other sites in respiratory passages
R04.9	Hemorrhage from respiratory passages, unspecified
R31	Hematuria
R31.0	Gross hematuria
R31.1	Benign essential microscopic hematuria
R31.2	Other microscopic hematuria
R31.21	Asymptomatic microscopic hematuria

R31.29	Other microscopic hematuria
R31.9	Hematuria, unspecified
ICD-9 Px	
44.43	ENDOSCOPIC CONTROL OF GASTRIC OF DUODENAL BLEEDING
ICD-10 Px	
0W3P8ZZ	Control Bleeding in Gastrointestinal Tract, Via Natural or Artificial Opening Endoscopic
HCPCS	
43255	Esophagogastroduodenoscopy, flexible, transoral; with control of bleeding, any method / Upper gastrointestinal endoscopy including esophagus, stomach, and either the duodenum and/or jejunum as appropriate; with control of bleeding, any method

	Pregnancy
Dx codes	
650 NORMAL DELIVERY	
660 OBSTRUCTED LABC	IR
661 ABNORMALITY OF F	-ORCES OF LABOR
662 LONG LABOR	
663 UMBILICAL CORD C	COMPLICATIONS DURING LABOR AND DELIVERY
664 TRAUMA TO PERINI	EUM AND VULVA DURING DELIVERY
665 OTHER OBSTETRICA	AL TRAUMA
667 RETAINED PLACENT	TA OR MEMBRANES WITHOUT HEMORRHAGE
668 COMPLICATIONS O	F THE ADMINISTRATION OF ANESTHETIC OR OTHER SEDATION IN LABOR AND DELIVERY
669.94 UNSPECIFIED C	OMPLICATION OF LABOR AND DELIVERY POSTPARTUM CONDITION OR COMPLICATION
V24 POSTPARTUM CAR	E AND EXAMINATION
V24.0 POSTPARTUM CA	RE AND EXAMINATION IMMEDIATELY AFTER DELIVERY
V24.1 POSTPARTUM CA	ARE AND EXAMINATION OF LACTATING MOTHER
V24.2 ROUTINE POSTPA	ARTUM FOLLOW
V27 OUTCOME OF DELI	VERY
V27.0 MOTHER WITH SI	INGLE LIVEBORN
V27.1 MOTHER WITH SI	NGLESTILLBORN
V27.2 MOTHER WITH T	WINS BOTH LIVEBORN
V27.3 MOTHER WITH T	WINS ONE LIVEBORN AND ONE STILLBORN
V27.4 MOTHER WITH T	WINS BOTH STILLBORN
V27.5 MOTHER WITH O	ITHER MULTIPLE BIRTH ALL LIVEBORN
V27.6 MOTHER WITH O	THER MULTIPLE BIRTH SOME LIVEBORN
V27.7 MOTHER WITH O	THER MULTIPLE BIRTH ALL STILLBORN
V27.9 MOTHER WITH U	NSPECIFIED OUTCOME OF DELIVERY
Procedure codes	
72.0 LOW FORCEPS OP	ERATION
72.1 LOW FORCEPS OP	ERATION WITH EPISIOTOMY
72.2 MID FORCEPS OPE	RATION
72.21 MID FORCEPS OP	PERATION WITH EPISIOTOMY
72.29 OTHER MID FORC	CEPS OPERATION
72.3 HIGH FORCEPS OP	ERATION
72.31 HIGH FORCEPS O	PERATION WITH EPISIOTOMY
72.39 OTHER HIGH FOR	CEPS OPERATION

72.4 FORCEPS ROTATION OF FETAL HEAD 72.5 BREECH EXTRACTION 72.51 PARTIAL BREECH EXTRACTION WITH FORCEPS TO AFTERCOMING HEAD 72.52 OTHER PARTIAL BREECH EXTRACTION 72.53 TOTAL BREECH EXTRACTION WITH FORCEPS TO AFTERCOMING HEAD 72.54 OTHER TOTAL BREECH EXTRACTION 72.6 FORCEPS APPLICATION TO AFTERCOMING HEAD 72.7 VACUUM EXTRACTION 72.71 VACUUM EXTRACTION WITH EPISIOTOMY 72.79 OTHER VACUUM EXTRACTION 72.8 OTHER SPECIFIED INSTRUMENTAL DELIVERY 72.9 UNSPECIFIED INSTRUMENTAL DELIVERY 73.0 ARTIFICIAL RUPTURE OF MEMBRANES 73.01 INDUCTION OF LABOR BY ARTIFICIAL RUPTURE OF MEMBRANES 73.09 OTHER ARTIFICIAL RUPTURE OF MEMBRANES 73.1 OTHER SURGICAL INDUCTION OF LABOR 73.2 INTERNAL AND COMBINED VERSION AND EXTRACTION 73.21 INTERNAL AND COMBINED VERSION WITHOUT EXTRACTION 73.22 INTERNAL AND COMBINED VERSION WITH EXTRACTION 73.3 FAILED FORCEPS 73.4 MEDICAL INDUCTION OF LABOR 73.5 MANUALLY ASSISTED DELIVERY 73.51 MANUAL ROTATION OF FETAL HEAD 73.59 OTHER MANUALLY ASSISTED DELIVERY 73.6 EPISIOTOMY 73.8 OPERATIONS ON FETUS TO FACILITATE DELIVERY 73.9 OTHER OPERATIONS ASSISTING DELIVERY 73.91 EXTERNAL VERSION ASSISTING DELIVERY 73.92 REPLACEMENT OF PROLAPSED UMBILICAL CORD 73.93 INCISION OF CERVIX TO ASSIST DELIVERY 73.94 PUBIOTOMY TO ASSIST DELIVERY 73.99 OTHER OPERATIONS ASSISTING DELIVERY 74.0 CLASSICAL CESAREAN SECTION 74.1 LOW CERVICAL CESAREAN SECTION 74.2 EXTRAPERITONEAL CESAREAN SECTION

74.3 REMOVAL OF EXTRATUBAL ECTOPIC PREGNANCY

74.4 CESAREAN SECTION OF OTHER SPECIFIED TYPE

74.9 CESAREAN SECTION OF UNSPECIFIED TYPE

74.91 HYSTEROTOMY TO TERMINATE PREGNANCY

74.99 OTHER CESAREAN SECTION OF UNSPECIFIED TYPE

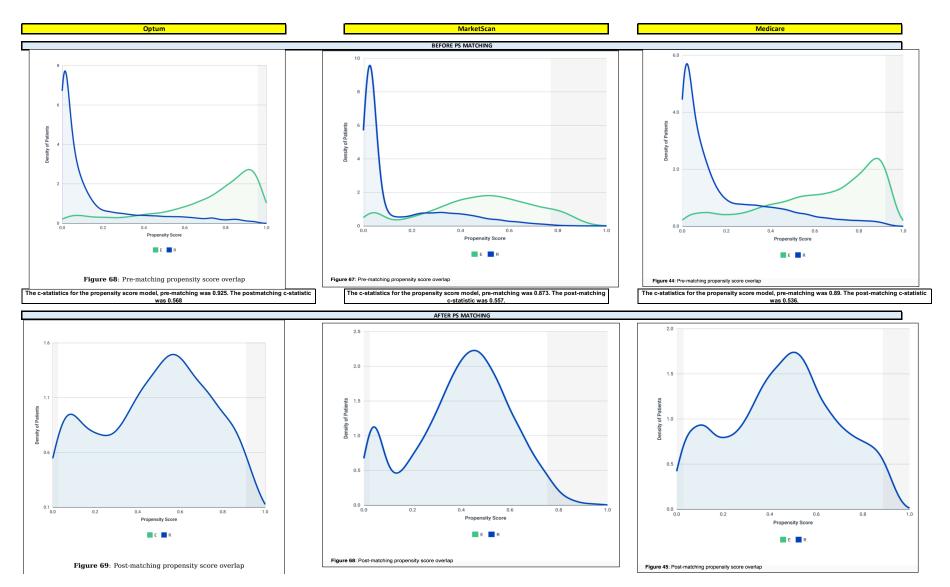
75.4 MANUAL REMOVAL OF RETAINED PLACENTA

75.5 REPAIR OF CURRENT OBSTETRIC LACERATION OF UTERUS

75.6 REPAIR OF OTHER CURRENT OBSTETRIC LACERATION

75.7 MANUAL EXPLORATION OF UTERINE CAVITY, POSTPARTUM

75.9 OTHER OBSTETRIC OPERATIONS



					Unmatched							
	Optum			MarketSca	n		Medicare				POOLED	
Variable	Reference-warfarin Copy	Exposure - rivaroxaban (15 or 20 mg) Copy	St Diff Bofo	rence- warfarin Copy oxaba	an (15 or 20 mg) Conv	St Diff Bof	rence- warfarin Copy 1	E or 20 mg/ Conv	St Diff 1	Reference- warfarin Copy	Exposure - rivaroxaban (15 or 20 mg) Copy	St. Diff.
Number of patients	7.413	(13 01 20 mg) Copy 3.940	St. Dill. Kele	13.977	3.908	St. Dill. Kele	32.619	16.748	3t. Dill. 1	54.009	24.596	3t. Dill.
Age	7,415	5,540		10,577	5,500		52,015	10,740		54,005	24,000	
mean (sd)	64.55 (15.26)	64.30 (15.26)	0.02	56.88 (15.95)	54.05 (15.64)	0.18	77.01 (8.04)	75.83 (7.74)	0.15	70.09 (11.70)	70.52 (10.81)	-0.04
Age categories without zero category												
18 - 54; n (%)	1,823 (24.6%)	938 (23.8%)	0.02	6,009 (43.0%)	1,966 (50.3%)	-0.15	0 (0.0%)	0 (0.0%)	#DIV/0!	7,832 (14.5%)	2904 (11.8%)	0.08
55 - 64; n (%)	1,258 (17.0%)	646 (16.4%)	0.02	4,046 (28.9%)	1,128 (28.9%)	0.00	0 (0.0%)	0 (0.0%)	#DIV/0!	5,304 (9.8%)	1,774 (7.2%)	0.09
65 - 74; n (%)	2,057 (27.7%)	1,289 (32.7%)	-0.11	1,840 (13.2%)	415 (10.6%)	0.08	14,321 (43.9%)	8,365 (49.9%)	-0.12	18,218 (33.7%)	10,069 (40.9%)	-0.15
>= 75; n (%)	2,275 (30.7%)	1,067 (27.1%)	0.08	2,082 (14.9%)	399 (10.2%)	0.14	18,298 (56.1%)	8,383 (50.1%)	0.12	22,655 (41.9%)	9,849 (40.0%)	0.04
Gender without zero category- United Males; n (%)	3,360 (45.3%)	1.804 (45.8%)	-0.01	6.838 (48.9%)	1,898 (48.6%)	0.01	11,768 (36.1%)	6,573 (39.2%)	-0.06	21,966 (40.7%)	10.275 (41.8%)	-0.02
Females; n (%)	4,052 (54.7%)	2,136 (54.2%)	0.01	7,139 (51.1%)	2,010 (51.4%)	-0.01	20,851 (63.9%)	10,175 (60.8%)	0.06	32,042 (59.3%)	14,321 (58.2%)	0.02
Race	4,032 (34.770)	2,130 (54.270)	0.01	7,155(51.170)	2,010 (01.4/0)	-0.01	20,031 (03.370)	10,175 (00.070)	0.00	52,042 (55.576)	14,521 (50.270)	0.02
White; n (%)							27,361 (83.9%)	14.167 (84.6%)		27,361 (83.9%)	14,167 (84.6%)	0.00
Black; n (%)							3,680 (11.3%)	1,731 (10.3%)		3,680 (11.3%)	1,731 (10.3%)	0.00
Asian; n (%)							255 (0.8%)	138 (0.8%)		255 (0.8%)	138 (0.8%)	0.00
Hispanic; n (%)							699 (2.1%)	351 (2.1%)		699 (2.1%)	351 (2.1%)	0.00
North American Native; n (%)							147 (0.5%)	51 (0.3%)		147 (0.5%)	51 (0.3%)	0.00
Other/Unknown; n (%)							477 (1.5%)	310 (1.9%)		477 (1.5%)	310 (1.9%)	0.00
Missing n (%)												
Missing; n (%) Region without zero category, United v3 (Jumping												
Region without zero category- United v3 (lumping missing&other category with West)	0	0	#VALUE!	2,574 (18.4%)	668 (17.1%)	0.03	6,317 (19.4%)	3,229 (19.3%)	0.00	#VALUE!	#VALUE!	#VALUE!
Northeast; n (%)	831 (11.2%)	501 (12.7%)	-0.05	4,295 (30.7%)	1,033 (26.4%)	0.03	11,948 (36.6%)	7,062 (42.2%)	-0.11	17,074 (31.6%)	8,596 (34.9%)	+VALUE:
South; n (%)	3,054 (41.2%)	1,714 (43.5%)	-0.05	5,245 (37.5%)	1,760 (45.0%)	-0.15	8,837 (27.1%)	3,639 (21.7%)	0.13	17,136 (31.7%)	7,113 (28.9%)	0.06
Midwest; n (%)	1,858 (25.1%)	930 (23.6%)	0.03	1,684 (12.0%)	407 (10.4%)	0.05	5,432 (16.7%)	2,794 (16.7%)	0.00	8,974 (16.6%)	4,131 (16.8%)	-0.01
Unknown+missing; n (%)	N/A	N/A	#VALUE!	179 (1.3%)	40 (1.0%)	0.03	N/A	N/A	#VALUE!	179 (1.3%)	40 (1.0%)	0.03
CV Covariates												
Ischemic heart disease; n (%)	1,075 (14.5%)	527 (13.4%)	0.03	1,607 (11.5%)	375 (9.6%)	0.06	6,992 (21.4%)	3,153 (18.8%)	0.06	9,674 (17.9%)	4,055 (16.5%)	0.04
Acute MI; n (%)	76 (1.0%)	45 (1.1%)	-0.01	185 (1.3%)	59 (1.5%)	-0.02	443 (1.4%)	201 (1.2%)	0.02	704 (1.3%)	305 (1.2%)	0.01
ACS/unstable angina; n (%)	24 (0.3%)	17 (0.4%)	-0.02	27 (0.2%)	** (0.2%)	0.00	119 (0.4%)	100 (0.6%)	-0.03	170 (0.3%)	#VALUE!	#VALUE!
Old MI; n (%)	221 (3.0%)	97 (2.5%)	0.03	212 (1.5%)	45 (1.2%)	0.03	1,484 (4.5%)	688 (4.1%)	0.02	1917 (3.5%)	830 (3.4%)	0.01
Stable angina; n (%)	127 (1.7%)	74 (1.9%)	-0.02	164 (1.2%)	53 (1.4%)	-0.02	554 (1.7%)	288 (1.7%)	0.00	845 (1.6%)	415 (1.7%)	-0.01
Coronary atherosclerosis and other forms of chronic												
ischemic heart disease; n (%)	958 (12.9%)	448 (11.4%)	0.05	1,407 (10.1%)	304 (7.8%)	0.08	6,404 (19.6%)	2,807 (16.8%)	0.07	8,769 (16.2%)	3,559 (14.5%)	0.05
Other atherosclerosis with ICD10 v2 Copy; n (%)	76 (1.0%)	38 (1.0%)	0.00	132 (0.9%)	19 (0.5%)	0.05	473 (1.5%)	161 (1.0%)	0.05	681 (1.3%)	218 (0.9%)	0.04
Previous cardiac procedure (CABG or PTCA or Stent)	43 (0.6%)	** (0.2%)	0.06	77 (0 (0/)	16 (0.49()	0.03	171 (0.5%)	F2 (0 20/)	0.03	201 (0 5%)	#VALUE!	#VALUE!
v4; n (%) History of CABG or PTCA; n (%)	43 (0.6%)	153 (3.9%)	0.08	77 (0.6%) 253 (1.8%)	16 (0.4%) 57 (1.5%)	0.03	171 (0.5%) 2.547 (7.8%)	53 (0.3%) 1.061 (6.3%)	0.05	291 (0.5%) 3.100 (5.7%)	#VALUE! 1.271 (5.2%)	#VALUE!
Any stroke; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/01	2,347 (7.8%) 0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	000 (0.0%)	#DIV/0!
Ischemic stroke (w and w/o mention of cerebral	0 (0.070)	0 (0.070)		0 (0.070)	0 (0.070)		0 (0.070)	0 (0.070)		0 (0.070)	000 (0.070)	
infarction): n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	000 (0.0%)	#DIV/0!
Hemorrhagic stroke; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	000 (0.0%)	0 (0.0%)	#DIV/0!
TIA; n (%)	74 (1.0%)	29 (0.7%)	0.03	110 (0.8%)	31 (0.8%)	0.00	400 (1.2%)	174 (1.0%)	0.02	584 (1.1%)	234 (1.0%)	0.01
Other cerebrovascular disease; n (%)	135 (1.8%)	41 (1.0%)	0.07	195 (1.4%)	31 (0.8%)	0.06	748 (2.3%)	309 (1.8%)	0.04	1078 (2.0%)	381 (1.5%)	0.04
Cerebrovascular procedure; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	** (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	#VALUE!	0 (0.0%)	#VALUE!
Heart failure (CHF); n (%)	** (0.1%)	0 (0.0%)	0.04	** (0.1%)	** (0.1%)	0.00	13 (0.0%)	** (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Peripheral Vascular Disease (PVD) or PVD Surgery v2;												
n (%)	868 (11.7%)	403 (10.2%)	0.05	1,462 (10.5%)	394 (10.1%)	0.01	4,144 (12.7%)	1,860 (11.1%)	0.05	6,474 (12.0%)	2,657 (10.8%)	0.04
Atrial fibrillation; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	000 (0.0%)	#DIV/0!
Other cardiac dysrhythmia; n (%)	835 (11.3%)	424 (10.8%) 174 (4.4%)	0.02	1,471 (10.5%) 391 (2.8%)	377 (9.6%)	0.03	4,288 (13.1%)	1,861 (11.1%)	0.06	6,594 (12.2%)	2,662 (10.8%)	0.04
Cardiac conduction disorders; n (%) Other CVD; n (%)	307 (4.1%) 1,128 (15.2%)	174 (4.4%) 591 (15.0%)	-0.01 0.01	391 (2.8%) 2,126 (15.2%)	115 (2.9%) 587 (15.0%)	-0.01 0.01	1,807 (5.5%) 5,129 (15.7%)	932 (5.6%) 2,459 (14.7%)	0.00	2505 (4.6%) 8,383 (15.5%)	1221 (5.0%) 3,637 (14.8%)	-0.02 0.02
	1,128 (15.2%)	591 (15.0%)	0.01	2,120 (15.2%)	587 (15.U%)	0.01	5,129 (15.7%)	2,459 (14.7%)	0.03	ō,383 (15.5%)	3,037 (14.8%)	0.02
Diabetes-related complications Occurrence of Diabetic Neuropathy v2 Copy; n (%)	430 (5.8%)	242 (6.1%)	-0.01	438 (3.1%)	121 (3.1%)	0.00	1,714 (5.3%)	819 (4.9%)	0.02	2582 (4.8%)	1182 (4.8%)	0.00
Occurrence of diabetic nephropathy V2 copy, II (%)	430 (3.8%)	242 (0.1%)	-0.01	430 (3.176)	121 (3.1%)	0.00	1,714 (3.376)	819 (4.9%)	0.02	2382 (4.8%)	1102 (4.070)	0.00
Copy; n (%)	235 (3.2%)	139 (3.5%)	-0.02	210 (1.5%)	52 (1.3%)	0.02	813 (2.5%)	382 (2.3%)	0.01	1,258 (2.3%)	573 (2.3%)	0.00
Hypoglycemia v2; n (%)	125 (1.7%)	34 (0.9%)	0.02	202 (1.4%)	37 (0.9%)	0.05	846 (2.6%)	389 (2.3%)	0.02	1173 (2.2%)	460 (1.9%)	0.02
Hyperglycemia: n (%)	432 (5.8%)	266 (6.8%)	-0.04	536 (3.8%)	179 (4.6%)	-0.04	2,248 (6.9%)	1,306 (7.8%)	-0.03	3216 (6.0%)	1751 (7.1%)	-0.04
Diabetic ketoacidosis; n (%)	43 (0.6%)	15 (0.4%)	0.03	76 (0.5%)	23 (0.6%)	-0.01	93 (0.3%)	47 (0.3%)	0.00	212 (0.4%)	85 (0.3%)	0.02
Hypertension: 1 inpatient or 2 outpatient claims												
within 365 days; n (%)	4,752 (64.1%)	2,425 (61.5%)	0.05	7,213 (51.6%)	1,912 (48.9%)	0.05	26,154 (80.2%)	12,823 (76.6%)	0.09	38,119 (70.6%)	17,160 (69.8%)	0.02
Hyperlipidemia v2; n (%)	3,522 (47.5%)	1,740 (44.2%)	0.07	4,709 (33.7%)	1,254 (32.1%)	0.03	17,566 (53.9%)	8,658 (51.7%)	0.04	25,797 (47.8%)	11,652 (47.4%)	0.01
Edema; n (%)	2,328 (31.4%)	1,209 (30.7%)	0.02	3,008 (21.5%)	981 (25.1%)	-0.09	8,516 (26.1%)	4,346 (25.9%)	0.00	13852 (25.6%)	6536 (26.6%)	-0.02
Renal Dysfunction (non-diabetic) v2; n (%)	1,752 (23.6%)	762 (19.3%)	0.10	2,250 (16.1%)	585 (15.0%)	0.03	8,823 (27.0%)	3,546 (21.2%)	0.14	12,825 (23.7%)	4,893 (19.9%)	0.09
Occurrence of acute renal disease v2; n (%)	785 (10.6%)	321 (8.1%)	0.09	1,104 (7.9%)	319 (8.2%)	-0.01	3,945 (12.1%)	1,484 (8.9%)	0.10	5834 (10.8%)	2124 (8.6%)	0.07
Occurrence of chronic renal insufficiency; n (%)	1,035 (14.0%)	403 (10.2%)	0.12	990 (7.1%)	188 (4.8%)	0.10	5,734 (17.6%)	1,950 (11.6%)	0.17	7,759 (14.4%)	2,541 (10.3%)	0.12
Chronic kidney disease v2; n (%)	1,002 (13.5%)	387 (9.8%)	0.12	941 (6.7%)	164 (4.2%)	0.11	5,447 (16.7%)	1,859 (11.1%)	0.16	7,390 (13.7%)	2,410 (9.8%)	0.12
CKD Stage 3-4; n (%)	597 (8.1%)	245 (6.2%)	0.07	515 (3.7%)	82 (2.1%)	0.10	3,238 (9.9%)	1,103 (6.6%)	0.12	4,350 (8.1%)	1,430 (5.8%)	0.09
Occurrence of hypertensive nephropathy; n (%)	637 (8.6%)	240 (6.1%)	0.10	508 (3.6%)	80 (2.0%)	0.10	4,290 (13.2%)	1,327 (7.9%)	0.17	5,435 (10.1%)	1,647 (6.7%)	0.12
Occurrence of miscellaneous renal insufficiency v2; n		200 /2 (51)	0.05	0.45 (5.00)	240/5 251		2 005 (0	4 335 (3 69)		4 507 /0	4 000 /7	
(%)	677 (9.1%)	300 (7.6%)	0.05	945 (6.8%)	248 (6.3%)	0.02	2,885 (8.8%)	1,275 (7.6%)	0.04	4,507 (8.3%)	1,823 (7.4%)	0.03
Other Covariates	0/0 22/1	** (0.000)	#DIV/0!	0 (0 0%)	0 /0 001	#DIV//01	0.00.000	0 (0 0%)	#DIV/0!	0/0.000	#VALUE!	#VALUE!
Liver disease; n (%) Osteoarthritis: n (%)	0 (0.0%) 2.271 (30.6%)	** (0.0%)		0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0! 0.03	0 (0.0%) 17245 (31.9%)	#VALUE! 7920 (32.2%)	#VALUE! -0.01
Usteoartmitis; n (%)	2,271 (30.6%)	1,234 (31.3%)	-0.02	3,146 (22.5%)	820 (21.0%)	0.04	11,828 (36.3%)	5,866 (35.0%)	0.03	1/245 (31.9%)	/920 (32.2%)	-0.01

Other arthritis, arthropathies and musculoskeletal												
pain; n (%)	6,356 (85.7%)	3,246 (82.4%)	0.09	10,836 (77.5%)	3,049 (78.0%)	-0.01	24,897 (76.3%)	12,838 (76.7%)	-0.01	42089 (77.9%)	19133 (77.8%)	0.00
Dorsopathies; n (%)	2,513 (33.9%)	1,389 (35.3%)	-0.03	4,111 (29.4%)	1,236 (31.6%)	-0.05	10,374 (31.8%)	5,330 (31.8%)	0.00	16998 (31.5%)	7955 (32.3%)	-0.02
Fractures; n (%)	869 (11.7%)	404 (10.3%)	0.04	1,433 (10.3%)	423 (10.8%)	-0.02	4,020 (12.3%)	2,047 (12.2%)	0.00	6322 (11.7%)	2874 (11.7%)	0.00
Falls v2; n (%)	692 (9.3%)	396 (10.1%)	-0.03	370 (2.6%)	139 (3.6%)	-0.06	1,680 (5.2%)	735 (4.4%)	0.04	2742 (5.1%)	1270 (5.2%)	0.00
Osteoporosis; n (%)	728 (9.8%)	343 (8.7%)	0.04	704 (5.0%)	155 (4.0%)	0.05	5,102 (15.6%)	2,328 (13.9%)	0.05	6534 (12.1%)	2826 (11.5%)	0.02
Depression; n (%)	1,346 (18.2%)	655 (16.6%)	0.04	1,914 (13.7%)	561 (14.4%)	-0.02	5,417 (16.6%)	2,468 (14.7%)	0.05	8677 (16.1%)	3684 (15.0%)	0.03
Anxiety; n (%)	1,083 (14.6%)	689 (17.5%)	-0.08	1,527 (10.9%)	569 (14.6%)	-0.11	4,262 (13.1%)	2,240 (13.4%)	-0.01	6872 (12.7%)	3498 (14.2%)	-0.04
Sleep_Disorder; n (%)	777 (10.5%)	252 (6.4%)	0.15	1,462 (10.5%)	352 (9.0%)	0.05	2,779 (8.5%)	938 (5.6%)	0.11	5018 (9.3%)	1542 (6.3%)	0.11
Dementia; n (%)	706 (9.5%)	355 (9.0%)	0.02	574 (4.1%)	167 (4.3%)	-0.01 -0.01	5,539 (17.0%)	2,441 (14.6%)	0.07	6819 (12.6%)	2963 (12.0%)	0.02
Delirium; n (%)	281 (3.8%)	120 (3.0%)		387 (2.8%)	113 (2.9%)		1,560 (4.8%)	754 (4.5%)		2228 (4.1%)	987 (4.0%)	
Psychosis; n (%)	215 (2.9%) 1.498 (20.2%)	91 (2.3%) 943 (23.9%)	0.04	238 (1.7%) 2.456 (17.6%)	58 (1.5%) 930 (23.8%)	0.02 -0.15	1,203 (3.7%)	553 (3.3%) 2.677 (16.0%)	0.02	1656 (3.1%) 9156 (17.0%)	702 (2.9%) 4550 (18.5%)	0.01 -0.04
Obesity; n (%)	, ,	,		, ,			5,202 (15.9%)	,. , ,				
Overweight; n (%)	244 (3.3%)	249 (6.3%)	-0.14	205 (1.5%)	132 (3.4%)	-0.12	1,125 (3.4%)	739 (4.4%)	-0.05	1574 (2.9%)	1120 (4.6%)	-0.09
Smoking; n (%)	1,951 (26.3%)	1,206 (30.6%)	-0.10	2,266 (16.2%)	697 (17.8%)	-0.04 -0.03	8,893 (27.3%)	5,096 (30.4%)	-0.07 -0.04	13110 (24.3%)	6999 (28.5%)	-0.10
Alcohol abuse or dependence; n (%)	210 (2.8%)	111 (2.8%)		281 (2.0%)	99 (2.5%)		243 (0.7%)	190 (1.1%)		734 (1.4%)	400 (1.6%)	
Drug abuse or dependence; n (%)	210 (2.8%)	166 (4.2%)	-0.08 0.05	289 (2.1%)	124 (3.2%)	-0.07 0.04	251 (0.8%)	201 (1.2%)	-0.04 0.04	750 (1.4%)	491 (2.0%)	-0.05 0.02
COPD; n (%)	1,066 (14.4%)	502 (12.7%)		1,214 (8.7%)	299 (7.7%)		5,389 (16.5%)	2,517 (15.0%)		7669 (14.2%)	3318 (13.5%)	
Asthma; n (%)	710 (9.6%)	418 (10.6%)	-0.03	1,139 (8.1%)	344 (8.8%)	-0.03	2,725 (8.4%)	1,431 (8.5%)	0.00	4574 (8.5%)	2193 (8.9%)	-0.01
Obstructive sleep apnea; n (%)	555 (7.5%)	363 (9.2%)	-0.06	1,037 (7.4%)	347 (8.9%)	-0.05	1,809 (5.5%)	955 (5.7%)	-0.01	3401 (6.3%)	1665 (6.8%)	-0.02
Pneumonia; n (%)	574 (7.7%)	267 (6.8%)	0.03	1,026 (7.3%)	303 (7.8%)	-0.02	2,850 (8.7%)	1,307 (7.8%)	0.03	4450 (8.2%)	1877 (7.6%)	0.02
Other Medications Use of ACE inhibitors: n (%)	1,874 (25.3%)	878 (22.3%)	0.07	2,969 (21,2%)	706 (18.1%)	0.08	0.040(20.20()	4.570 (27.3%)	0.06	14683 (27.2%)	6154 (25.0%)	0.05
							9,840 (30.2%)				,	
Use of ARBs; n (%)	899 (12.1%)	585 (14.8%)	-0.08	1,741 (12.5%)	472 (12.1%)	0.01	5,634 (17.3%)	3,141 (18.8%)	-0.04	8274 (15.3%)	4198 (17.1%)	-0.05
Use of Loop Diuretics - United; n (%)	824 (11.1%)	366 (9.3%)	0.06	1,262 (9.0%)	284 (7.3%)	0.06	5,787 (17.7%)	2,453 (14.6%)	0.08	7873 (14.6%)	3103 (12.6%)	0.06
Use of other diuretics- United; n (%)	100 (1.3%)	68 (1.7%)	-0.03	181 (1.3%)	56 (1.4%)	-0.01	710 (2.2%)	308 (1.8%)	0.03	991 (1.8%)	432 (1.8%)	0.00
Use of nitrates-United; n (%)	171 (2.3%)	88 (2.2%)	0.01	327 (2.3%)	62 (1.6%)	0.05	1,485 (4.6%)	622 (3.7%)	0.05	1983 (3.7%)	772 (3.1%)	0.03
Use of other hypertension drugs; n (%)	336 (4.5%)	147 (3.7%)	0.04	577 (4.1%)	123 (3.1%)	0.05	2,141 (6.6%)	909 (5.4%)	0.05	3054 (5.7%)	1179 (4.8%)	0.04
Use of Anti-arrhythmics; n (%)	19 (0.3%)	** (0.2%)	0.02	59 (0.4%)	** (0.3%)	0.02	160 (0.5%)	70 (0.4%)	0.01	238 (0.4%)	#VALUE!	#VALUE!
Use of COPD/asthma meds- United; n (%)	1,097 (14.8%)	625 (15.9%)	-0.03	2,035 (14.6%)	606 (15.5%)	-0.03	5,862 (18.0%)	3,203 (19.1%)	-0.03	8994 (16.7%)	4434 (18.0%)	-0.03
Use of statins; n (%)	2,353 (31.7%) 391 (5.3%)	1,257 (31.9%) 177 (4.5%)	0.00	3,676 (26.3%) 851 (6.1%)	877 (22.4%) 167 (4.3%)	0.09	13,267 (40.7%) 2.075 (6.4%)	6,840 (40.8%) 1.096 (6.5%)	0.00	19296 (35.7%) 3317 (6.1%)	8974 (36.5%) 1440 (5.9%)	-0.02
Use of other lipid-lowering drugs; n (%)		,	0.04		- ( )	0.08	, <i>,</i>	,,	0.00			0.01
Use of antiplatelet agents; n (%)	414 (5.6%)	204 (5.2%)	0.02	881 (6.3%)	222 (5.7%)	0.03	2,761 (8.5%)	1,341 (8.0%)	0.02	4056 (7.5%)	1767 (7.2%)	0.01
Use of heparin and other low-molecular weight heparins: n (%)	2 868 (52 20/)	211/5 40()	1.21	25 (0.2%)	** (0.1%)	0.03	16.176 (49.6%)	909 (5.4%)	1.14	20069 (37.2%)	#VALUE!	#VALUE!
Use of NSAIDs: n (%)	3,868 (52.2%) 1.503 (20.3%)	211 (5.4%) 908 (23.0%)	-0.07	3,060 (21.9%)	932 (23.8%)	-0.05	5,871 (18.0%)	3.345 (20.0%)	-0.05	10434 (19.3%)	#VALUE! 5185 (21.1%)	#VALUE! -0.04
Use of oral corticosteroids; n (%)	1,930 (26.0%)	1,065 (27.0%)	-0.07	3,566 (25.5%)	932 (23.8%) 1,121 (28.7%)	-0.05	9,326 (28.6%)	4,915 (29.3%)	-0.05	14822 (27.4%)	7101 (28.9%)	-0.04
Use of bisphosphonate (United); n (%)	283 (3.8%)	1,005 (27.0%) 123 (3.1%)	-0.02	3,566 (25.5%) 321 (2.3%)	57 (1.5%)	-0.07	1,786 (5.5%)	4,915 (29.3%) 824 (4.9%)	-0.02	2390 (4.4%)	1004 (4.1%)	-0.03
Use of opioids- United; n (%)			0.11			0.01		7,860 (46.9%)	0.02		12110 (49.2%)	0.01
	4,042 (54.5%)	1,932 (49.0%)	-0.02	8,355 (59.8%)	2,318 (59.3%)	-0.01	15,563 (47.7%)		0.02	27960 (51.8%)		-0.01
Use of antidepressants; n (%) Use of antipsychotics; n (%)	1,919 (25.9%)	1,055 (26.8%) 194 (4.9%)	-0.02	3,269 (23.4%) 507 (3.6%)	937 (24.0%) 154 (3.9%)	-0.01	9,282 (28.5%) 2,139 (6.6%)	4,711 (28.1%) 1,110 (6.6%)	0.01	14470 (26.8%) 2997 (5.5%)	6703 (27.3%) 1458 (5.9%)	-0.01
Labs	351 (4.7%)	194 (4.9%)	-0.01	507 (5.0%)	154 (5.9%)	-0.02	2,139 (0.0%)	1,110 (0.0%)	0.00	2997 (5.5%) 21.390	1458 (5.9%)	-0.02
Labs Lab values- HbA1c (%) v3; n (%)	651 (8.8%)	506 (12.8%)	-0.13	130 (0.9%)	46 (1.2%)	-0.03	N/A	N/A	#VALUE!	781 (3.7%)	552 (7.0%)	-0.15
Lab values- HbA1c (%) (within 3 months) v3; n (%)	390 (5.3%)	315 (8.0%)	-0.13	88 (0.6%)	27 (0.7%)	-0.03	N/A N/A	N/A	#VALUE!	478 (2.2%)	342 (4.4%)	-0.13
Lab values- HbA1c (%) (within 6 months) v3; n (%)	651 (8.8%)	506 (12.8%)	-0.13	130 (0.9%)	46 (1.2%)	-0.01	N/A N/A	N/A	#VALUE!	781 (3.7%)	552 (7.0%)	-0.12
Lab values- RDATC (%) (writin o months) vs, n (%)	29 (0.4%)	23 (0.6%)	-0.03	** (0.0%)	** (0.1%)	-0.03	N/A N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- BNP (within 3 months); n (%)	24 (0.3%)	18 (0.5%)	-0.03	** (0.0%)	** (0.1%)	-0.04	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- BNP (within 6 months); n (%)	29 (0.4%)	23 (0.6%)	-0.03	** (0.0%)	** (0.1%)	-0.04	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- BUN (writin o nontris), n (%)	1,719 (23.2%)	1,143 (29.0%)	-0.13	155 (1.1%)	78 (2.0%)	-0.07	N/A	N/A	#VALUE!	1,874 (8.8%)	1,221 (15.6%)	-0.21
Lab values- BUN (mg/dl) (within 3 months); n (%)	1,189 (16.0%)	815 (20.7%)	-0.12	106 (0.8%)	56 (1.4%)	-0.06	N/A	N/A	#VALUE!	1,295 (6.1%)	871 (11.1%)	-0.18
Lab values- BUN (mg/dl) (within 6 months); n (%)	1,719 (23.2%)	1.143 (29.0%)	-0.12	155 (1.1%)	78 (2.0%)	-0.07	N/A N/A	N/A	#VALUE!	1,255 (0.1%)	1.221 (15.6%)	-0.21
Lab values- Creatinine (mg/dl) v2; n (%)	1,753 (23.6%)	1,179 (29.9%)	-0.13	165 (1.2%)	83 (2.1%)	-0.07	N/A N/A	N/A	#VALUE!	1,918 (9.0%)	1,262 (16.1%)	-0.21
Lab values- Creatinine (mg/dl) v2; it (%) Lab values- Creatinine (mg/dl) (within 3 months) v2;	1,733 (23.0%)	1,175 (25.5%)	-0.14	103 (1.276)	03(2.1/0)	-0.07	N/A	N/A	#VALUE:	1,510 (5.0%)	1,202 (10.1%)	-0.22
n (%)	1,211 (16.3%)	846 (21.5%)	-0.13	114 (0.8%)	60 (1.5%)	-0.07	N/A	N/A	#VALUE!	1,325 (6.2%)	906 (11.5%)	-0.19
Lab values- Creatinine (mg/dl) (within 6 months) v2;	_, (10.0,0)	(22.570)			50 (2.570)	2.07				_,(0.2.0)		0.10
n (%)	1,753 (23.6%)	1,179 (29.9%)	-0.14	165 (1.2%)	83 (2.1%)	-0.07	N/A	N/A	#VALUE!	1,918 (9.0%)	1,262 (16.1%)	-0.22
Lab values- HDL level (mg/dl); n (%)	962 (13.0%)	693 (17.6%)	-0.13	96 (0.7%)	46 (1.2%)	-0.05	N/A	N/A	#VALUE!	1,058 (4.9%)	739 (9.4%)	-0.18
	502 (15:070)	000 (17:070)	0.15	56 (61776)	40 (11270)	0.05				2,000 (4.070)	755 (5.470)	0.10
Lab values- HDL level (mg/dl) (within 3 months); n (%)	542 (7.3%)	396 (10.1%)	-0.10	55 (0.4%)	25 (0.6%)	-0.03	N/A	N/A	#VALUE!	597 (2.8%)	421 (5.4%)	-0.13
					- ( /							
Lab values- HDL level (mg/dl) (within 6 months); n (%)	962 (13.0%)	693 (17.6%)	-0.13	96 (0.7%)	46 (1.2%)	-0.05	N/A	N/A	#VALUE!	1,058 (4.9%)	739 (9.4%)	-0.18
Lab values- LDL level (mg/dl) v2; n (%)	966 (13.0%)	700 (17.8%)	-0.13	111 (0.8%)	46 (1.2%)	-0.04	N/A	N/A	#VALUE!	1,077 (5.0%)	746 (9.5%)	-0.17
Lab values- LDL level (mg/dl) (within 3 months) v2; n												
(%)	547 (7.4%)	399 (10.1%)	-0.10	66 (0.5%)	24 (0.6%)	-0.01	N/A	N/A	#VALUE!	613 (2.9%)	423 (5.4%)	-0.13
Lab values- LDL level (mg/dl) (within 6 months) v2; n												
(%)	966 (13.0%)	700 (17.8%)	-0.13	111 (0.8%)	46 (1.2%)	-0.04	N/A	N/A	#VALUE!	1,077 (5.0%)	746 (9.5%)	-0.17
Lab values- NT-proBNP; n (%)	** (0.1%)	** (0.2%)	-0.03	0 (0.0%)	0 (0.0%)	#DIV/0!	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- NT-proBNP (within 3 months); n (%)	** (0.0%)	** (0.2%)	-0.06	0 (0.0%)	0 (0.0%)	#DIV/0!	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	-
Lab values- NT-proBNP (within 6 months); n (%)	** (0.1%)	** (0.2%)	-0.03	0 (0.0%)	0 (0.0%)	#DIV/0!	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	-
Lab values- Total cholesterol (mg/dl) v2; n (%)	972 (13.1%)	702 (17.8%)	-0.13	99 (0.7%)	46 (1.2%)	-0.05	N/A	N/A	#VALUE!	1,071 (5.0%)	748 (9.5%)	-0.17
Lab values- Total cholesterol (mg/dl) (within 3					. ,						. /	
months) v2; n (%)	549 (7.4%)	401 (10.2%)	-0.10	55 (0.4%)	25 (0.6%)	-0.03	N/A	N/A	#VALUE!	604 (2.8%)	426 (5.4%)	-0.13
Lab values- Total cholesterol (mg/dl) (within 6												
months) v2: n (%)	972 (13.1%)	702 (17.8%)	-0.13	99 (0.7%)	46 (1.2%)	-0.05	N/A	N/A	#VALUE!	1,071 (5.0%)	748 (9.5%)	-0.17
monuns) v2; n (%)												
Lab values- Triglyceride level (mg/dl); n (%)	964 (13.0%)	696 (17.7%)	-0.13	100 (0.7%)	46 (1.2%)	-0.05	N/A	N/A	#VALUE!	1,064 (5.0%)	742 (9.5%)	-0.17
	964 (13.0%) 544 (7.3%)	696 (17.7%) 397 (10.1%)	-0.13	100 (0.7%) 57 (0.4%)	46 (1.2%) 24 (0.6%)	-0.05	N/A N/A	N/A N/A	#VALUE!	1,064 (5.0%)	742 (9.5%) 421 (5.4%)	-0.17

Lab values- Triglyceride level (mg/dl) (within 6												
months); n (%)	964 (13.0%)	696 (17.7%)	-0.13	100 (0.7%)	46 (1.2%)	-0.05	N/A	N/A	#VALUE!	1,064 (5.0%)	742 (9.5%)	-0.17
Lab result number- HbA1c (%) mean (only 2 to 20 included) v4	650	505		112	45		N/A	N/A		762	550	
mean (sd)	6.79 (1.57)	6.72 (1.73)	0.04	7.26 (1.63)	7.18(1.48)	0.05	N/A	N/A N/A	#VALUE!	6.86 (1.58)	6.76 (1.71)	0.06
Missing; n (%)	6,763 (91.2%)	3,435 (87.2%)	0.13	13,865 (99.2%)	3,863 (98.8%)	0.04	N/A	N/A	#VALUE!	20,628 (96.4%)	7,298 (93.0%)	0.15
Lab result number- BNP mean v2	29	23		4	5		N/A	N/A		33	28	
mean (sd)	74.87 (72.49)	96.03 (235.14)	-0.12	19.25 (8.96)	161.20 (119.25)	-1.68	N/A	N/A	#VALUE!	68.13 (70.09)	107.67 (225.68)	-0.24
Missing; n (%)	7,384 (99.6%)	3,917 (99.4%)	0.03	13,973 (100.0%)	3,903 (99.9%)	0.04	N/A	N/A	#VALUE!	21,357 (99.8%)	7,820 (99.6%)	0.04
Lab result number-BUN (mg/dl) mean v2	1,719	1,143		155	78		N/A	N/A		1,874	1,221	
mean (sd)	18.02 (7.51)	17.09 (6.74)	0.13	1,436.31 (17,669.46)	17.18 (6.52)	0.11	N/A	N/A	#VALUE!	135.33 (5069.29)	17.10 (6.73)	0.03
Missing; n (%) Lab result number-Creatinine (mg/dl) mean (only 0.1	5,694 (76.8%)	2,797 (71.0%)	0.13	13,822 (98.9%)	3,830 (98.0%)	0.07	N/A	N/A	#VALUE!	19,516 (91.2%)	6,627 (84.4%)	0.21
to 15 included) v3	1,741	1,168		160	81		N/A	N/A		1,901	1,249	
mean (sd)	1.00 (0.34)	0.96 (0.29)	0.13	0.98 (0.31)	0.97 (0.29)	0.03	N/A	N/A	#VALUE!	1.00 (0.34)	0.96 (0.29)	0.13
Missing; n (%)	5,672 (76.5%)	2,772 (70.4%)	0.14	13,817 (98.9%)	3,827 (97.9%)	0.08	N/A	N/A	#VALUE!	19,489 (91.1%)	6,599 (84.1%)	0.21
Lab result number- HDL level (mg/dl) mean (only												
=<5000 included) v2	962	693		95	46		N/A	N/A		1,057	739	
mean (sd)	53.64 (17.08)	53.25 (17.87)	0.02	46.65 (12.95)	48.63 (14.03)	-0.15 0.05	N/A	N/A	#VALUE!	53.01 (16.76)	52.96 (17.67)	0.00
Missing; n (%) Lab result number-LDL level (mg/dl) mean (only	6,451 (87.0%)	3,247 (82.4%)	0.13	13,882 (99.3%)	3,862 (98.8%)	0.05	N/A	N/A	#VALUE!	20,333 (95.1%)	7,109 (90.6%)	0.18
=<5000 included) v2	942	692		97	44		N/A	N/A		1.039	736	
mean (sd)	102.51 (34.84)	101.93 (36.29)	0.02	96.33 (37.96)	92.61 (31.60)	0.11	N/A	N/A	#VALUE!	101.93 (35.16)	101.37 (36.06)	0.02
Missing; n (%)	6,471 (87.3%)	3,248 (82.4%)	0.14	13,880 (99.3%)	3,864 (98.9%)	0.04	N/A	N/A	#VALUE!	20,351 (95.1%)	7,112 (90.6%)	0.18
Lab result number-Total cholesterol (mg/dl) mean												
(only =<5000 included) v2	971	702		98	46		N/A	N/A		1,069	748	
mean (sd)	184.17 (40.78)	183.48 (41.96)	0.02	176.51 (45.32)	181.96 (42.96)	-0.12	N/A	N/A	#VALUE!	183.47 (41.23)	183.39 (42.05)	0.00
Missing; n (%)	6,442 (86.9%)	3,238 (82.2%)	0.13	13,879 (99.3%)	3,862 (98.8%)	0.05	N/A	N/A	#VALUE!	20,321 (95.0%)	7,100 (90.5%)	0.17
Lab result number- Triglyceride level (mg/dl) mean (only =<5000 included) v2	964	696		99	46		N/A	N/A		1.063	742	
mean (sd)	136.73 (77.90)	140.13 (102.33)	-0.04	159.89 (94.35)	179.18 (110.20)	-0.19	N/A	N/A	#VALUE!	138.89 (79.60)	142.55 (102.90)	-0.04
Missing; n (%)	6,449 (87.0%)	3,244 (82.3%)	0.13	13,878 (99.3%)	3,862 (98.8%)	0.05	N/A	N/A	#VALUE!	20,327 (95.0%)	7,106 (90.5%)	0.17
Lab result number- Hemoglobin mean (only >0												
included)	1,393	952		106	71		N/A	N/A		1,499	1,023	
mean (sd)	13.28 (1.90)	13.37 (1.86)	-0.05	1,408.80 (14,373.80)	12.85 (2.78)	0.14	N/A	N/A	#VALUE!	111.96 (3808.03)	13.33 (1.94)	0.04
Missing; n (%)	6,020 (81.2%)	2,988 (75.8%)	0.13	13,871 (99.2%)	3,837 (98.2%)	0.09	N/A	N/A	#VALUE!	19,891 (93.0%)	6,825 (87.0%)	0.20
Lab result number- Serum sodium mean (only >90 and <190 included)	1.691	1.116		143	77		N/A	N/A		1.834	1.193	
mean (sd)	139.91 (2.74)	140.29 (2.71)	-0.14	139.13 (2.43)	139.00 (3.00)	0.05	N/A	N/A	#VALUE!	139.85 (2.72)	140.21 (2.73)	-0.13
Missing; n (%)	5,722 (77.2%)	2,824 (71.7%)	0.13	13,834 (99.0%)	3,831 (98.0%)	0.08	N/A	N/A	#VALUE!	19,556 (91.4%)	6,655 (84.8%)	0.20
Lab result number- Albumin mean (only >0 and <=10												
included)	1,536	1,006		116	66		N/A	N/A		1,652	1,072	
mean (sd)	4.08 (0.39)	4.12 (0.40)	-0.10	3.95 (0.78)	3.98 (0.64)	-0.04	N/A	N/A	#VALUE!	4.07 (0.43)	4.11 (0.42)	-0.09
Missing; n (%)	5,877 (79.3%)	2,934 (74.5%)	0.11	13,861 (99.2%)	3,842 (98.3%)	0.08	N/A	N/A	#VALUE!	19,738 (92.3%)	6,776 (86.3%)	0.20
Lab result number- Glucose (fasting or random) mean (only 10-1000 included)	1.667	1.111		131	78		N/A	N/A		1.798	1.189	
mean (sd)	111.25 (46.51)	113.95 (43.40)	-0.06	136.41 (56.48)	147.32 (75.50)	-0.16	N/A	N/A	#VALUE!	113.08 (47.32)	116.14 (46.18)	-0.07
Missing; n (%)	5,746 (77.5%)	2,829 (71.8%)	0.13	13,846 (99.1%)	3,830 (98.0%)	0.09	N/A	N/A	#VALUE!	19,592 (91.6%)	6,659 (84.8%)	0.21
Lab result number-Potassium mean (only 1-7												
included)	1,721	1,153		155	75		N/A	N/A		1,876	1,228	
mean (sd)	4.31 (0.43)	4.35 (0.44)	-0.09	4.23 (0.41)	4.33 (0.40)	-0.25	N/A	N/A	#VALUE!	4.30 (0.43)	4.35 (0.44)	-0.11
Missing; n (%) Comorbidity Scores	5,692 (76.8%)	2,787 (70.7%)	0.14	13,822 (98.9%)	3,833 (98.1%)	0.07	N/A	N/A	#VALUE!	19,514 (91.2%)	6,620 (84.4%)	0.21
Comorbidity scores Combined comorbidity score, 365 days Copy												
mean (sd)	1.91 (2.34)	2.06 (2.35)	-0.06	1.39 (2.10)	1.58 (2.23)	-0.09	2.20 (2.56)	2.04 (2.57)	0.06	1.95 (2.42)	1.97 (2.48)	-0.01
Non-Frailty; n (%)	3,500 (47.2%)	1,973 (50.1%)	-0.06	5,638 (40.3%)	1,646 (42.1%)	-0.04	854 (2.6%)	263 (1.6%)	0.07	9,992 (18.5%)	3,882 (15.8%)	0.07
Frailty Score (mean): Empirical Version 365 days, v2												
mean (sd)	0.19 (0.07)	0.18 (0.07)	0.14	0.17 (0.06)	0.17 (0.06)	0.00	0.11 (0.08)	0.09 (0.08)	0.25	0.14 (0.07)	0.12 (0.08)	0.27
Healthcare Utilization												
Any hospitalization; n (%)	5,944 (80.2%)	2,390 (60.7%)	0.44	13,968 (99.9%)	3,908 (100.0%)	-0.04	24,871 (76.2%)	9,527 (56.9%)	0.42	44,783 (82.9%)	15,825 (64.3%)	0.43
Any hospitalization within prior 30 days; n (%) Any hospitalization during prior 31-180 days; n (%)	5,565 (75.1%) 1,176 (15.9%)	2,178 (55.3%) 491 (12.5%)	0.42	13,769 (98.5%) 1.855 (13.3%)	3,866 (98.9%) 517 (13.2%)	-0.04 0.00	23,580 (72.3%) 5,754 (17.6%)	8,440 (50.4%) 2,725 (16.3%)	0.46	42914 (79.5%) 8785 (16.3%)	14484 (58.9%) 3733 (15.2%)	0.46
Internal medicine/family medicine visits; n (%)	6,578 (88.7%)	3,420 (86.8%)	0.10	10,624 (76.0%)	3,112 (79.6%)	-0.09	30,337 (93.0%)	15,307 (91.4%)	0.05	47539 (88.0%)	21839 (88.8%)	-0.02
Internal medicine/family medicine visits, in (%)	0,570 (00.770)	3,420 (00.070)	0.00	10,024 (70.070)	5,112 (75.070)	-0.05	50,557 (55.070)	15,507 (51.470)	0.00	47555 (88.6%)	21035 (00.076)	-0.02
prior) v2; n (%)	5,853 (79.0%)	2,941 (74.6%)	0.10	7,601 (54.4%)	2,169 (55.5%)	-0.02	27,977 (85.8%)	13,422 (80.1%)	0.15	41431 (76.7%)	18532 (75.3%)	0.03
Internal medicine/family medicine visits (31 to 180												
days prior) v2; n (%)	5,044 (68.0%)	2,627 (66.7%)	0.03	8,752 (62.6%)	2,499 (63.9%)	-0.03	23,788 (72.9%)	12,139 (72.5%)	0.01	37584 (69.6%)	17265 (70.2%)	-0.01
Cardiologist visit; n (%)	3,053 (41.2%)	1,683 (42.7%)	-0.03	3,042 (21.8%)	883 (22.6%)	-0.02	15,604 (47.8%)	7,724 (46.1%)	0.03	21699 (40.2%)	10290 (41.8%)	-0.03
Number of Cardiologist visits (30 days prior); n (%) Number of Cardiologist visits (31 to 180 days prior);	2,224 (30.0%)	1,248 (31.7%)	-0.04	1,698 (12.1%)	502 (12.8%)	-0.02	11,149 (34.2%)	5,410 (32.3%)	0.04	15071 (27.9%)	7160 (29.1%)	-0.03
n (%)	1,404 (18.9%)	730 (18.5%)	0.01	1,797 (12.9%)	489 (12.5%)	0.01	8,231 (25.2%)	4,091 (24.4%)	0.02	11432 (21.2%)	5310 (21.6%)	-0.01
Electrocardiogram v2; n (%)	4,088 (55.1%)	2,158 (54.8%)	0.01	5,377 (38.5%)	1,410 (36.1%)	0.05	19,760 (60.6%)	10,095 (60.3%)	0.01	29225 (54.1%)	13663 (55.5%)	-0.03
Use of glucose test strips; n (%)	126 (1.7%)	54 (1.4%)	0.02	168 (1.2%)	40 (1.0%)	0.02	535 (1.6%)	273 (1.6%)	0.00	829 (1.5%)	367 (1.5%)	0.00
Dialysis; n (%)	12 (0.2%)	0 (0.0%)	0.06	34 (0.2%)	** (0.2%)	0.00	50 (0.2%)	** (0.0%)	0.06	96 (0.2%)	#VALUE!	#VALUE!
number of different/distinct medication												
prescriptions	0.07 (5.0.1)	0.77 (5.44)	0.07	0.04/5.45	0.04/5.75		40.40 (5.55)	0.53/5.34	0.45	0.70/5 (-)	0.00 (5.55)	
mean (sd) Number of Hospitalizations	9.27 (5.24)	8.77 (5.41)	0.09	9.24 (5.40)	8.81 (5.72)	0.08	10.13 (5.09)	9.52 (5.21)	0.12	9.78 (5.19)	9.29 (5.33)	0.00
mean (sd)	1.04 (0.77)	0.78 (0.80)	0.33	1.29 (0.66)	1.30 (0.66)	-0.02	1.07 (0.89)	0.80 (0.91)	0.30	1.12 (0.82)	0.88 (0.86)	0.00
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Number of hospital days												
mean (sd)	5.40 (6.24)	3.51 (5.41)	0.32	7.63 (8.24)	6.53 (7.92)	0.14	6.13 (7.52)	3.90 (6.63)	0.31	6.42 (7.55)	4.26 (6.68)	0.00
Number of Emergency Department (ED) visits v3		,			,		,	,				
mean (sd)	1.85 (2.17)	2.24 (2.08)	-0.18	1.92 (4.54)	2.74 (6.70)	-0.14	2.04 (2.04)	2.42 (2.17)	-0.18	1.98 (2.91)	2.44 (3.32)	0.00
Number of Office visits												
mean (sd)	5.48 (4.83)	5.64 (4.79)	-0.03	5.53 (5.19)	5.62 (5.12)	-0.02	12.84 (14.53)	13.84 (15.97)	-0.07	9.94 (11.73)	11.22 (13.47)	0.00
Number of internal medicine/family medicine visits												
mean (sd)	10.84 (15.87)	9.07 (12.25)	0.12	6.06 (11.94)	5.97 (10.44)	0.01	11.66 (12.16)	10.09 (12.41)	0.13	10.10 (12.68)	9.27 (12.09)	0.00
Number of Cardiologist visits												
mean (sd)	1.39 (3.30)	1.36 (3.07)	0.01	0.61 (2.29)	0.62 (2.33)	0.00	1.79 (3.80)	1.63 (3.45)	0.04	1.43 (3.40)	1.43 (3.24)	0.00
Number electrocardiograms received v2				/	/							
mean (sd)	1.16 (1.68)	1.22 (1.70)	-0.04	0.65 (1.11)	0.65 (1.16)	0.00	1.32 (1.64)	1.36 (1.67)	-0.02	1.12 (1.53)	1.22 (1.60)	0.00
Number of HbA1c tests ordered mean (sd)	0.31 (0.64)	0.36 (0.68)	-0.08	0.20 (0.53)	0.22 (0.54)	-0.04	0.37 (0.70)	0.39 (0.71)	-0.03	0.32 (0.65)	0.36 (0.68)	0.00
Number of glucose tests ordered	0.51 (0.04)	0.50 (0.08)	-0.08	0.20(0.55)	0.22 (0.34)	-0.04	0.37 (0.70)	0.35(0.71)	-0.03	0.32 (0.03)	0.30 (0.08)	0.00
mean (sd)	0.27 (2.73)	0.37 (4.22)	-0.03	0.16 (0.98)	0.16 (0.96)	0.00	0.18 (0.72)	0.18 (0.72)	0.00	0.19 (1.26)	0.21 (1.83)	0.00
Number of lipid tests ordered	0.27 (2.7.5)	0.07 (4.22)	0.05	0.10 (0.50)	0.10(0.50)	0.00	0.10 (0.72)	0.10(0.72)	0.00	0.15 (1.20)	0.21 (1.00)	0.00
mean (sd)	0.49 (0.77)	0.48 (0.78)	0.01	0.34 (0.75)	0.36 (0.85)	-0.02	0.52 (0.72)	0.54 (0.73)	-0.03	0.47 (0.73)	0.50 (0.76)	0.00
Total N distinct ICD9/ICD10 diagnoses at the 3rd												
digit level Copy												
mean (sd)	6.61 (10.06)	10.92 (12.43)	-0.38	5.13 (9.89)	8.02 (11.79)	-0.27	9.35 (12.17)	11.79 (13.06)	-0.19	7.88 (11.34)	11.05 (12.77)	0.00
For PS												
Hemorrhagic stroke+Other cerebrovascular												
disease+Cerebrovascular procedure (for PS); n (%)	135 (1.8%)	41 (1.0%)	0.07	199 (1.4%)	31 (0.8%)	0.06	748 (2.3%)	309 (1.8%)	0.04	1082 (2.0%)	381 (1.5%)	0.04
immobilization; n (%)	766 (10.3%)	378 (9.6%)	#DIV/0!	1,385 (9.9%)	417 (10.7%)	#DIV/0!	2,774 (8.5%)	1,488 (8.9%)	#DIV/0!	1,385 (9.9%)	417 (10.7%)	-0.03
Occurrence of creatining tests and and (for DC) (a)	592 (8.0%)	317 (8.0%)	0.00	926 (6.6%)	247 (6.3%)	0.01	3.559 (10.9%)	1.774 (10.6%)	0.01	5077 (9.4%)	2338 (9.5%)	0.00
Occurrence of creatinine tests ordered (for PS); n (%) Occurrence of BUN tests ordered (for PS): n (%)	350 (4.7%)	317 (8.0%) 160 (4.1%)	0.00	926 (6.6%) 597 (4.3%)	247 (6.3%) 140 (3.6%)	0.01	2,099 (6.4%)	1,774 (10.6%) 998 (6.0%)	0.01	3046 (5.6%)	2338 (9.5%) 1298 (5.3%)	0.00
Occurrence of bold tests ordered (for PS); h (%) Occurrence of chronic renal insufficiency w/o CKD	550 (4.7%)	100 (4.1/0)	0.05	JJ/ (4.570)	140 (5.0%)	0.04	2,055 (0.4%)	556 (0.0%)	0.02	5040 (5.0%)	1230 (3.370)	0.01
(for PS) v2; n (%)	593 (8.0%)	179 (4.5%)	0.14	599 (4.3%)	109 (2.8%)	0.08	3,259 (10.0%)	967 (5.8%)	0.16	4451 (8.2%)	1255 (5.1%)	0.12
Chronic kidney disease Stage 1-2 (for PS); n (%)	154 (2.1%)	66 (1.7%)	0.03	124 (0.9%)	29 (0.7%)	0.02	566 (1.7%)	262 (1.6%)	0.01	844 (1.6%)	357 (1.5%)	0.01
Chronic kidney disease Stage 3-6 (for PS); n (%)	597 (8.1%)	245 (6.2%)	0.07	515 (3.7%)	82 (2.1%)	0.10	3,238 (9.9%)	1,103 (6.6%)	0.12	4350 (8.1%)	1430 (5.8%)	0.09
Acute kidney injury; n (%)	818 (11.0%)	329 (8.4%)	#DIV/0!	1,167 (8.3%)	331 (8.5%)	#DIV/0!	4,121 (12.6%)	1,533 (9.2%)	#DIV/0!	1,167 (8.3%)	331 (8.5%)	-0.01
Bladder stones+Kidney stones (for PS); n (%)	243 (3.3%)	140 (3.6%)	-0.02	397 (2.8%)	120 (3.1%)	-0.02	1,013 (3.1%)	500 (3.0%)	0.01	1653 (3.1%)	760 (3.1%)	0.00
Alcohol abuse or dependence+Drug abuse or												
dependence (for PS); n (%)	394 (5.3%)	260 (6.6%)	-0.05	528 (3.8%)	206 (5.3%)	-0.07	471 (1.4%)	376 (2.2%)	-0.06	1393 (2.6%)	842 (3.4%)	-0.05
Other atherosclerosis+Cardiac conduction												
disorders+Other CVD (for PS) v2 Copy; n (%) Previous cardiac procedure (CABG or PTCA or Stent) +	1,386 (18.7%)	738 (18.7%)	0.00	2,467 (17.7%)	684 (17.5%)	0.01	6,719 (20.6%)	3,222 (19.2%)	0.04	10572 (19.6%)	4644 (18.9%)	0.02
History of CABG or PTCA (for PS) v3; n (%)	312 (4.2%)	154 (3.9%)	0.02	303 (2.2%)	69 (1.8%)	0.03	2,603 (8.0%)	1,073 (6.4%)	0.06	3218 (6.0%)	1296 (5.3%)	0.03
Diabetes with complication; n (%)	812 (11.0%)	438 (11.1%)	#DIV/0!	1,013 (7.2%)	311 (8.0%)	#DIV/0!	3,661 (11.2%)	1,716 (10.2%)	#DIV/0!	1,013 (7.2%)	311 (8.0%)	-0.03
Delirium + Psychosis (for PS); n (%)	433 (5.8%)	186 (4.7%)	0.05	551 (3.9%)	154 (3.9%)	0.00	2.441 (7.5%)	1.151 (6.9%)	0.02	3425 (6.3%)	1491 (6.1%)	0.01
Any use of Meglitinides (for PS); n (%)	13 (0.2%)	** (0.3%)	-0.02	30 (0.2%)	** (0.1%)	0.03	108 (0.3%)	48 (0.3%)	0.00	151 (0.3%)	#VALUE!	#VALUE!
Any use of AGIs (for PS); n (%)	** (0.1%)	** (0.1%)	0.00	** (0.0%)	** (0.1%)	-0.04	32 (0.1%)	** (0.0%)	0.04	#VALUE!	#VALUE!	#VALUE!
CKD stage 3-6 + dialysis (for PS); n (%)	609 (8.2%)	247 (6.3%)	0.07	546 (3.9%)	89 (2.3%)	0.09	3,272 (10.0%)	1,110 (6.6%)	0.12	4427 (8.2%)	1446 (5.9%)	0.09
Use of thiazide- United; n (%)	671 (9.1%)	365 (9.3%)	-0.01	1,101 (7.9%)	246 (6.3%)	0.06	3,945 (12.1%)	1,768 (10.6%)	0.05	5717 (10.6%)	2379 (9.7%)	0.03
Use of beta blockers; n (%)	1,762 (23.8%)	811 (20.6%)	0.08	3,041 (21.8%)	707 (18.1%)	0.09	11,260 (34.5%)	5,254 (31.4%)	0.07	16063 (29.7%)	6772 (27.5%)	0.05
Use of calcium channel blockers; n (%)	1,415 (19.1%)	722 (18.3%)	0.02	2,267 (16.2%)	545 (13.9%)	0.06	8,772 (26.9%)	4,060 (24.2%)	0.06	12454 (23.1%)	5327 (21.7%)	0.03
All antidiabetic medications except Insulin; n (%)	1,120 (15.1%)	574 (14.6%)	0.01	1,771 (12.7%)	458 (11.7%)	0.03	5,547 (17.0%)	2,680 (16.0%)	0.03	8438 (15.6%)	3712 (15.1%)	0.01
DM Medications - Insulin Copy; n (%)	441 (5.9%)	217 (5.5%)	0.02	779 (5.6%)	196 (5.0%)	0.03	1,692 (5.2%)	734 (4.4%)	0.04	2912 (5.4%)	1147 (4.7%)	0.03
Use of Low Intensity Statins; n (%)	1,617 (21.8%)	763 (19.4%)	0.06	2,357 (16.9%)	521 (13.3%)	0.10	9,199 (28.2%)	4,445 (26.5%)	0.04	13173 (24.4%)	5729 (23.3%)	0.03
Use of High Intensity Statins; n (%) Malignant hypertension; n (%)	769 (10.4%) 771 (10.4%)	503 (12.8%) 206 (5.2%)	-0.08 0.19	1,328 (9.5%) 6,113 (43.7%)	365 (9.3%) 1,154 (29.5%)	0.01	4,205 (12.9%) 13,959 (42.8%)	2,477 (14.8%) 4,636 (27.7%)	-0.06 0.32	6302 (11.7%) 20843 (38.6%)	3345 (13.6%) 5996 (24.4%)	-0.06
	29 (0.4%)	** (0.2%)	0.19	6,113 (43.7%) 51 (0.4%)	1,154 (29.5%) 15 (0.4%)	0.00	13,959 (42.8%)	4,036 (27.7%) 81 (0.5%)	0.00	20843 (38.6%) 254 (0.5%)	5996 (24.4%) #VALUE!	#VALUE!
Cardiovascular stress test; n (%) Echocardiogram; n (%)	29 (0.4%) 1,217 (16.4%)	712 (18.1%)	-0.05	2,591 (18.5%)	15 (0.4%) 783 (20.0%)	-0.04	174 (0.5%) 6,200 (19.0%)	81 (0.5%) 3,177 (19.0%)	0.00	254 (0.5%) 10008 (18.5%)	#VALUE! 4672 (19.0%)	#VALUE! -0.01
Number of BNP tests	1,217 (10.470)	/ 12 (10.1/0)	-0.03	2,331 (10.3%)	/03 (20.0%)	-0.04	0,200 (15.0%)	3,177 (13.076)	0.00	10000 (10.3%)	4072 (15.0%)	-0.01
mean (sd)	0.06 (0.28)	0.11 (0.38)	-0.15	0.03 (0.20)	0.05 (0.25)	-0.09	0.09 (0.33)	0.12 (0.37)	-0.09	0.07 (0.29)	0.11(0.36)	-0.12
Number of Cardiac biomarkers tests (tropnin, CK-MBs, Myo	oglobin, CPK)											
mean (sd)	0.32 (1.21)	0.40 (1.19)	-0.07	0.22 (0.95)	0.28 (1.06)	-0.06	0.22 (0.55)	0.27 (0.62)	-0.09	0.23 (0.79)	0.29 (0.82)	0.00
Number of Ambulatory Blood pressure monitoring tests												
mean (sd)	0.00 (0.04)	0.00 (0.00)	0.00	0.00 (0.04)	0.00 (0.04)	0.00	0.00 (0.03)	0.00 (0.04)	0.00	0.00 (0.03)	0.00 (0.04)	0.00
N of days on antihypertensive medications during baseline							0	0				
mean (sd)	: 78.67 (79.06)	79.51 (80.27)	-0.01	67.34 (78.33)	58.24 (75.77)	0.12	107.82 (76.83)	104.35 (78.11)	0.04	93.34 (77.53)	93.04 (78.09)	0.00
N of days in database anytime prior	70.07 (75.00)	75.51 (00.27)	-0.01	07.54(70.55)	56.24 (75.77)	0.12	107.02 (70.03)	104.33 (70.11)	0.04	55.54 (77.55)	55.04 (78.05)	0.00
mean (sd)	1,629.27 (1,170.61)	1,681.72 (1,331.40)	-0.04	1,747.51 (1,223.63)	2,037.38 (1,445.60)	-0.22	619.84 (384.70)	645.09 (368.82)	-0.07	1050.22 (815.43)	1032.36 (841.75)	0.00
	,	,		,	,			(		(()		
Mean Copay for per prescription cost (charges in U.S. \$) (18	80-1 day prior)						0	0				
mean (sd)	24.96 (37.89)	23.57 (44.39)	0.03	17.03 (20.99)	14.53 (58.71)	0.06	108.59 (118.97)	107.60 (113.33)	0.01	73.42 (94.13)	79.35 (98.03)	0.00
Missing; n (%)	471 (6.4%)	263 (6.7%)	-0.01	1,064 (7.6%)	305 (7.8%)	-0.01	1,114 (3.4%)	643 (3.8%)	-0.02	2649 (4.9%)	1211 (4.9%)	0.00
Colonoscopy; n (%)	293 (4.0%)	150 (3.8%)	0.01	631 (4.5%)	158 (4.0%)	0.02	1,423 (4.4%)	690 (4.1%)	0.01	2347 (4.3%)	998 (4.1%)	0.01
Fecal occult blood (FOB) test; n (%)	275 (3.7%)	117 (3.0%)	0.04	517 (3.7%)	97 (2.5%)	0.07	879 (2.7%)	487 (2.9%)	-0.01	1671 (3.1%)	701 (2.9%)	0.01
Flu vaccine; n (%)	1,060 (14.3%)	612 (15.5%)	-0.03	1,272 (9.1%)	355 (9.1%)	0.00	9,282 (28.5%)	4,854 (29.0%)	-0.01	11614 (21.5%)	5821 (23.7%)	-0.05
Mammogram; n (%)	745 (10.0%)	421 (10.7%)	-0.02	1,269 (9.1%)	351 (9.0%)	0.00	3,468 (10.6%)	1,907 (11.4%)	-0.03	5482 (10.2%)	2679 (10.9%)	-0.02
Pap smear; n (%)	353 (4.8%)	171 (4.3%)	0.02	991 (7.1%)	291 (7.4%)	-0.01	841 (2.6%)	453 (2.7%)	-0.01	2185 (4.0%)	915 (3.7%)	0.02
Pneumonia vaccine; n (%)	693 (9.3%)	688 (17.5%)	-0.24	499 (3.6%)	264 (6.8%)	-0.14	4,756 (14.6%)	3,881 (23.2%)	-0.22	5948 (11.0%)	4833 (19.6%)	-0.24

PSA test or Prostate exam for DRE; n (%)	738 (10.0%)	433 (11.0%)	-0.03	1,136 (8.1%)	325 (8.3%)	-0.01	3,297 (10.1%)	1,947 (11.6%)	-0.05	5171 (9.6%)	2705 (11.0%)	-0.05
Bone mineral density; n (%)	289 (3.9%)	143 (3.6%)	0.02	283 (2.0%)	76 (1.9%)	0.01	1,395 (4.3%)	793 (4.7%)	-0.02	1967 (3.6%)	1012 (4.1%)	-0.03
Use of CNS stimulants; n (%)	52 (0.7%)	26 (0.7%)	0.00	188 (1.3%)	72 (1.8%)	-0.04	95 (0.3%)	68 (0.4%)	-0.02	335 (0.6%)	166 (0.7%)	-0.01
Use of estrogens, progestins, androgens; n (%)	469 (6.3%)	238 (6.0%)	0.01	1,441 (10.3%)	456 (11.7%)	-0.04	1,116 (3.4%)	615 (3.7%)	-0.02	3026 (5.6%)	1309 (5.3%)	0.01
Use of Angiogenesis inhibitors; n (%)	** (0.0%)	** (0.1%)	-0.04	** (0.1%)	** (0.2%)	-0.03	29 (0.1%)	16 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
Use of Oral Immunosuppressants; n (%)	35 (0.5%)	** (0.3%)	0.03	132 (0.9%)	14 (0.4%)	0.06	41 (0.1%)	16 (0.1%)	0.00	208 (0.4%)	#VALUE!	#VALUE!
Use of fondaparinux or Bivalirudin; n (%)	120 (1.6%)	** (0.2%)	0.15	240 (1.7%)	16 (0.4%)	0.13	387 (1.2%)	24 (0.1%)	0.14	747 (1.4%)	#VALUE!	#VALUE!
	120 (1.0%)	(0.276)	0.15	240 (1.7%)	10(0.4%)	0.15	367 (1.270)	24 (0.1%)	0.14	747 (1.4%)	#VALUE:	#VALUE:
Use of other direct thrombin inhibitors (lepirudin,	0 (0 00()	0 (0.00()	11511/01	0 (0.00()	0 (0.00()	#DIV/0!	0 (0 00()	0 (0 00()	#DIV/0!	0 (0 00()	0 (0.0%)	1000/01
desirudin, argatroban); n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)		0 (0.0%)	0 (0.0%)		0 (0.0%)		#DIV/0!
Use of Ticagrelor ON CED; n (%)	** (0.0%)	** (0.1%)	-0.04	** (0.0%)	** (0.1%)	-0.04	** (0.0%)	** (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Use of Ticagrelor; n (%)	** (0.0%)	** (0.1%)	-0.04	** (0.1%)	** (0.1%)	0.00	24 (0.1%)	22 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
Number of D-dimer tests												
mean (sd)	0.06 (0.27)	0.11 (0.36)	-0.16	0.06 (0.26)	0.07 (0.29)	-0.04	0.08 (0.30)	0.11 (0.34)	-0.09	0.07 (0.29)	0.10 (0.34)	0.00
Numbe of CRP, high-sensitivity CRP tests												
mean (sd)	0.14 (0.66)	0.18 (0.85)	-0.05	0.12 (0.62)	0.17 (0.72)	-0.07	0.15 (0.72)	0.17 (0.67)	-0.03	0.14 (0.69)	0.17(0.71)	0.00
Number of PT or aPTTt tests							,				,	
mean (sd)	1.04 (2.19)	0.96 (1.60)	0.04	0.72 (1.79)	0.70 (1.51)	0.01	0.62 (1.10)	0.61 (0.89)	0.01	0.70 (1.49)	0.68 (1.15)	0.00
Number of Bleeding time tests	1.04 (2.15)	0.50(1.00)	0.04	0.72 (1.75)	0.70(1.51)	0.01	0.02 (1.10)	0.01 (0.05)	0.01	0.70 (1.45)	0.00(1.15)	0.00
	0.00(0.00)	0.00(0.00)	0.00	0.00(0.03)	0.00(0.00)	0.00	0.00 (0.00)	0.00(0.00)	0.00	0.00(0.00)	0.00(0.02)	0.00
mean (sd)	0.00 (0.02)	0.00 (0.00)	0.00	0.00 (0.03)	0.00 (0.03)	0.00	0.00 (0.02)	0.00 (0.02)	0.00	0.00 (0.02)	0.00 (0.02)	0.00
HAS-BLED Score (ICD-9 and ICD-10), 180 days												
mean (sd)	2.86 (1.05)	2.80 (1.04)	0.06	2.41 (1.01)	2.32 (0.98)	0.09	3.46 (0.81)	3.40 (0.82)	0.07	3.11 (0.90)	3.13 (0.89)	0.00
N of Generic name drugs												
mean (sd)	18.04 (16.90)	16.55 (17.28)	0.09	14.06 (11.77)	13.04 (12.54)	0.08	19.33 (15.03)	17.38 (15.17)	0.13	17.79 (14.54)	16.56 (15.15)	0.00
N of Brand name drugs												
mean (sd)	3.33 (5.27)	3.81 (4.55)	-0.10	3.46 (4.75)	3.79 (3.90)	-0.08	3.58 (5.38)	4.07 (4.63)	-0.10	3.51 (5.21)	3.98 (4.51)	0.00
Use of clopidogrel ; n (%)	295 (4.0%)	130 (3.3%)	0.04	556 (4.0%)	126 (3.2%)	0.04	2,006 (6.1%)	928 (5.5%)	0.03	2857 (5.3%)	1184 (4.8%)	0.02
Systemic embolism; n (%)	263 (3.5%)	100 (2.5%)	0.06	764 (5.5%)	191 (4.9%)	0.03	834 (2.6%)	367 (2.2%)	0.03	1861 (3.4%)	658 (2.7%)	0.04
DVT: n (%)	7,411 (100.0%)	3,936 (99.9%)	0.04	13,970 (99.9%)	3,906 (99.9%)	0.00	32,605 (100.0%)	16,737 (99.9%)	0.04	53986 (100.0%)	24579 (99.9%)	0.04
	21 (0.3%)	13 (0.3%)	#DIV/0!	21 (0.2%)	14 (0.4%)	#DIV/0!	87 (0.3%)	28 (0.2%)	#DIV/0!	21 (0.2%)	14 (0.4%)	-0.04
Post-thrombotic syndrome; n (%)												
PE; n (%)	575 (7.8%)	410 (10.4%)	-0.09	570 (4.1%)	233 (6.0%)	-0.09	1,930 (5.9%)	1,268 (7.6%)	-0.07	3075 (5.7%)	1911 (7.8%)	-0.08
Coagulation defects; n (%)	252 (3.4%)	86 (2.2%)	#DIV/0!	501 (3.6%)	130 (3.3%)	#DIV/0!	632 (1.9%)	214 (1.3%)	#DIV/0!	501 (3.6%)	130 (3.3%)	0.02
Diabetes: 1 inpatient or 2 outpatient claims within												
183 days; n (%)	1,806 (24.4%)	910 (23.1%)	0.03	2,635 (18.9%)	692 (17.7%)	0.03	9,089 (27.9%)	4,176 (24.9%)	0.07	13530 (25.1%)	5778 (23.5%)	0.04
Intracranial or retroperitoneal hemorrhage: 1												
inpatient or 2 outpatient claims within 183 days ; n												
(%)	** (0.1%)	** (0.1%)	0.00	12 (0.1%)	0 (0.0%)	0.04	42 (0.1%)	12 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
Peptic Ulcer Disease; n (%)	1,859 (25.1%)	979 (24.8%)	0.01	2,501 (17.9%)	762 (19.5%)	-0.04	9,584 (29.4%)	4,607 (27.5%)	0.04	13944 (25.8%)	6348 (25.8%)	0.00
Major Surgery ; n (%)	566 (7.6%)	355 (9.0%)	#DIV/0!	1,309 (9.4%)	327 (8.4%)	#DIV/0!	2,682 (8.2%)	1,655 (9.9%)	#DIV/0!	1,309 (9.4%)	327 (8.4%)	0.04
Upper Gi bleed: n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!
Lower/ unspecified GI bleed; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!
				/		1	- ( /		,		- ( /	
Urogenital bleed; n (%)	30 (0.4%)	13 (0.3%)	0.02	85 (0.6%)	42 (1.1%)	-0.05	** (0.0%)	** (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Other bleeds; n (%)	430 (5.8%)	200 (5.1%)	0.03	796 (5.7%)	218 (5.6%)	0.00	1,841 (5.6%)	769 (4.6%)	0.05	3067 (5.7%)	1187 (4.8%)	0.04
Prior cancer; n (%)	922 (12.4%)	707 (17.9%)	-0.15	1,383 (9.9%)	519 (13.3%)	-0.11	4,862 (14.9%)	3,362 (20.1%)	-0.14	7167 (13.3%)	4588 (18.7%)	-0.15
Antibiotics; n (%)						#DIV/0!	17,449 (53.5%)	9,034 (53.9%)	#DIV/0!	7,040 (50.4%)	2,046 (52.4%)	-0.04
		930 (49.0%)	#DIV/0!	7,040 (50.4%)	2,046 (52.4%)							
Aspirin; n (%)	3,535 (47.7%) 1,5 44 (0.6%)	31 (0.8%) 31 (0.8%)	#DIV/0! -0.02	160 (1.1%)	63 (1.6%)	-0.04	146 (0.4%)	67 (0.4%)	0.00	350 (0.6%)	161 (0.7%)	-0.01
								67 (0.4%) 45 (0.3%)	0.00 0.00			
Aspirin; n (%) Aspirin/dipyridamole; n (%)	44 (0.6%)	31 (0.8%) ** (0.1%)	-0.02	160 (1.1%)	63 (1.6%) ** (0.1%)	-0.04	146 (0.4%)			350 (0.6%)	161 (0.7%)	-0.01
Aspirin; n (%)	44 (0.6%) ** (0.1%)	31 (0.8%)	-0.02 0.00	160 (1.1%) 22 (0.2%)	63 (1.6%)	-0.04 0.03	146 (0.4%) 113 (0.3%)	45 (0.3%)	0.00	350 (0.6%) #VALUE!	161 (0.7%) #VALUE!	-0.01 #VALUE!
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%)	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%)	31 (0.8%) ** (0.1%) ** (0.3%) 667 (16.9%)	-0.02 0.00 0.00 0.04	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%)	-0.04 0.03 0.03 0.03	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%)	0.00 0.00 0.02	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%)	-0.01 #VALUE! #VALUE! 0.02
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%)	44 (0.6%) ** (0.1%) 21 (0.3%)	31 (0.8%) ** (0.1%) ** (0.3%)	-0.02 0.00 0.00	160 (1.1%) 22 (0.2%) 67 (0.5%)	63 (1.6%) ** (0.1%) ** (0.3%)	-0.04 0.03 0.03	146 (0.4%) 113 (0.3%) 181 (0.6%)	45 (0.3%) 100 (0.6%)	0.00 0.00	350 (0.6%) #VALUE! 269 (0.5%)	161 (0.7%) #VALUE! #VALUE!	-0.01 #VALUE! #VALUE!
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%)	31 (0.8%) ** (0.1%) ** (0.3%) 667 (16.9%) 58 (1.5%)	-0.02 0.00 0.00 0.04 -0.02	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%)	-0.04 0.03 0.03 0.03 -0.04	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%)	0.00 0.00 0.02 0.02	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%)	-0.01 #VALUE! #VALUE! 0.02 0.00
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mrean (sd)	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77)	31 (0.8%) ** (0.1%) ** (0.3%) 667 (16.9%) 58 (1.5%) 0.48 (0.78)	-0.02 0.00 0.00 0.04 -0.02 0.01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85)	-0.04 0.03 0.03 -0.04 -0.02	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80)	0.00 0.00 0.02 0.02 -0.03	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81)	-0.01 #VALUE! #VALUE! 0.02 0.00
Aspirin; n (%) Aspirin/dipyridanole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%)	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%)	31 (0.8%) ** (0.1%) ** (0.3%) 667 (16.9%) 58 (1.5%) 0.48 (0.78) 892 (22.6%)	-0.02 0.00 0.04 -0.02 0.01 0.01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%)	-0.04 0.03 0.03 -0.04 -0.02 0.03	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%)	0.00 0.00 0.02 0.02 -0.03 0.04	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.02
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%)	44 (0.6%) **(0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%)	31 (0.8%) ** (0.1%) ** (0.3%) 667 (16.9%) 58 (1.5%) 0.48 (0.78) 892 (22.6%) 174 (4.4%)	-0.02 0.00 0.00 -0.04 -0.02 0.01 0.01 -0.01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (2.3.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%) 2,157 (6.6%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%)	0.00 0.02 0.02 -0.03 0.04 0.02	350 (0.6%) #VALUEI 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.00 0.02 0.00
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (3) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%)	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%)	31 (0.8%) ** (0.1%) ** (0.3%) 667 (16.9%) 58 (1.5%) 0.48 (0.78) 892 (22.6%)	-0.02 0.00 0.04 -0.02 0.01 0.01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%)	-0.04 0.03 0.03 -0.04 -0.02 0.03	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%)	0.00 0.00 0.02 0.02 -0.03 0.04	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.02
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered	44 (0.5%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%)	31 (0.8%) ** (0.1%) ** (0.1%) 667 (16.9%) 58 (1.5%) 0.48 (0.78) 892 (22.6%) 174 (4.4%) ** (0.0%)	-0.02 0.00 0.00 -0.02 0.01 0.01 -0.01 0.01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%) 2,157 (6.6%) ** (0.0%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE!	161 (0.7%) #VALUE! \$74ALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE!	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.02 0.00 #VALUE!
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd)	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%) 0.73 (1.63)	31 (0.8%) ** (0.1%) ** (0.1%) 667 (16.9%) 58 (1.5%) 0.48 (0.78) 892 (22.6%) 174 (4.4%) ** (0.0%) 0.53 (0.88)	-0.02 0.00 0.04 -0.02 0.01 0.01 -0.01 0.04 0.15	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%) 2,157 (5.6%) ** (0.0%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17)	161 (0.7%) #VALUE! 5124 (20.8%) 334 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.02 0.00 #VALUE! 0.00
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered	44 (0.6%) **(0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) **(0.1%) 0.73 (1.63) 2,275 (30.7%)	$\begin{array}{c} 31(0.8\%)\\ *(0.1\%)\\ *(0.1\%)\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ *(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ \end{array}$	-0.02 0.00 0.00 -0.02 0.01 0.01 -0.01 0.04 0.15 -0.04	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%)	63 (1.6%) ** (0.1%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 181 \left( 0.6\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.79 \right) \\ 10.056 \left( 30.8\% \right) \\ 2,157 \left( 6.6\% \right) \\ * \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.00
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd)	44 (0.6%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%) 0.73 (1.63)	31 (0.8%) ** (0.1%) ** (0.1%) 667 (16.9%) 58 (1.5%) 0.48 (0.78) 892 (22.6%) 174 (4.4%) ** (0.0%) 0.53 (0.88)	-0.02 0.00 0.04 -0.02 0.01 0.01 -0.01 0.04 0.15	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%) 2,157 (5.6%) ** (0.0%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17)	161 (0.7%) #VALUE! 5124 (20.8%) 334 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.02 0.00 #VALUE! 0.00
Aspirin; n (%) Aspirin/dipyridanole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%)	44 (0.6%) **(0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) **(0.1%) 0.73 (1.63) 2,275 (30.7%)	$\begin{array}{c} 31(0.8\%)\\ *(0.1\%)\\ *(0.1\%)\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ *(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ \end{array}$	-0.02 0.00 0.00 -0.02 0.01 0.01 -0.01 0.04 0.15 -0.04	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%)	63 (1.6%) ** (0.1%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 181 \left( 0.6\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.79 \right) \\ 10.056 \left( 30.8\% \right) \\ 2,157 \left( 6.6\% \right) \\ * \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.00
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonis; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Orier; n (%)	$\begin{array}{c} 44 \left( 0.6\% \right) \\ ** \left( 0.1\% \right) \\ 21 \left( 0.3\% \right) \\ 1,375 \left( 18.5\% \right) \\ 100 \left( 1.3\% \right) \\ 0.49 \left( 0.77 \right) \\ 1,695 \left( 22.9\% \right) \\ 312 \left( 4.2\% \right) \\ ** \left( 0.1\% \right) \\ 0.73 \left( 1.63 \right) \\ 2,275 \left( 30.7\% \right) \\ 6,535 \left( 88.2\% \right) \\ 7,407 \left( 99.9\% \right) \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\end{array}$	-0.02 0.00 0.04 -0.02 0.01 0.01 -0.01 0.04 0.15 -0.04 0.19	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (43.4%) 3,732 (95.5%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.7%) 10,056 (30.8%) 2,157 (6.6%) ** (0.0%) 0.58 (1.01) 11,149 (34.2%) 13,113 (40.2%) 32,361 (92.2%)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02 0.04 0.05	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%)	161 (0.7%) #VALUEI 5124 (20.8%) 334 (1.6%) 0.52 (0.81) 1359 (5.5%) #VALUEI 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 24375 (59.1%)	-0.01 #VALUEI #VALUEI 0.02 0.00 0.00 #VALUEI 0.00 0.00 0.00 0.03
Aspirin; n (%) Aspirin/dipyridanole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Primary Care Physician; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%)	44 (0.5%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%) 0.73 (1.63) 2,275 (30.7%) 6,535 (88.2%)	$\begin{array}{c} 31 \ (0.8\%) \\ ** \ (0.1\%) \\ ** \ (0.3\%) \\ 667 \ (16.9\%) \\ 58 \ (1.5\%) \\ 0.48 \ (0.78) \\ 892 \ (22.6\%) \\ 174 \ (4.4\%) \\ ** \ (0.0\%) \\ 0.53 \ (0.88) \\ 1,282 \ (32.5\%) \\ 3,215 \ (81.6\%) \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,659 (43.4%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01	$\begin{array}{c} 146 (0.4\%) \\ 113 (0.3\%) \\ 113 (0.6\%) \\ 7,501 (23.0\%) \\ 554 (1.7\%) \\ 0.0.54 (0.79) \\ 10.056 (30.8\%) \\ 2,157 (6.6\%) \\ &  \  \  \  \  \  \  \  \  \  \  \  \  \$	45 (0.3%) 100 (0.6%) 3,737 (2.2.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 16,705 (99.7%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02 0.04 0.02 0.04 0.05 -0.07	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 11218 (45.6%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.02 0.00 #VALUE! 0.00 0.00 0.00 0.03 0.03 -0.07
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blocker;s; n (%) CHA2DS2 VASc score, 180 days, V	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1\%)\\ **(0.3\%)\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\end{array}$	-0.02 0.00 0.04 -0.02 -0.01 -0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02	$\begin{array}{c} 160 \left(1.1\%\right)\\ 22 \left(0.2\%\right)\\ 67 \left(0.5\%\right)\\ 2,756 \left(19.7\%\right)\\ 215 \left(1.5\%\right)\\ 0.34 \left(0.75\right)\\ 3,099 \left(22.2\%\right)\\ 497 \left(3.6\%\right)\\ 22 \left(0.2\%\right)\\ 0.53 \left(1.22\right)\\ 4,338 \left(31.0\%\right)\\ 5,771 \left(41.3\%\right)\\ 13,310 \left(95.2\%\right)\\ 872 \left(6.2\%\right)\end{array}$	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (4.34%) 3,732 (95.5%) 204 (5.2%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04	$\begin{array}{c} 146 \left(0.4\%\right)\\ 113 \left(0.3\%\right)\\ 113 \left(0.5\%\right)\\ 7,501 \left(23.0\%\right)\\ 554 \left(1.7\%\right)\\ 0.54 \left(0.7\%\right)\\ 2,157 \left(6.6\%\right)\\ ** \left(0.0\%\right)\\ 0.58 \left(1.01\right)\\ 11,149 \left(34.2\%\right)\\ 13,113 \left(40.2\%\right)\\ 32,361 \left(99.2\%\right)\\ 3,226 \left(9.9\%\right)\end{array}$	45 (0.3%) 3,737 (2.2%) 258 (1.5%) 0.56 (0.80) 4,666 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 16,705 (99.7%) 1,744 (10.4%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02 0.02 0.04 0.05 -0.07 -0.02	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 0.52 (0.81) 6585 (20.81) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 24375 (99.1%) 2243 (9.1%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.00 #VALUE! 0.00 0.00 0.00 0.03 -0.07 -0.02
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other agstroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonis; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Cher; n (%) Alpha blockers; n (%) CHA2DS2 VASC score, 180 days, V mean (sd)	$\begin{array}{c} 44 \left( 0.6\% \right) \\ ** \left( 0.1\% \right) \\ 21 \left( 0.3\% \right) \\ 1,375 \left( 18.5\% \right) \\ 100 \left( 1.3\% \right) \\ 0.49 \left( 0.77 \right) \\ 1,695 \left( 22.9\% \right) \\ 312 \left( 4.2\% \right) \\ ** \left( 0.1\% \right) \\ 0.73 \left( 1.63 \right) \\ 2,275 \left( 30.7\% \right) \\ 6,535 \left( 88.2\% \right) \\ 7,407 \left( 99.9\% \right) \\ 527 \left( 7.1\% \right) \\ 3.72 \left( 1.81 \right) \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.5%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (43.4%) 3,732 (95.5%) 204 (5.2%) 2.64 (1.73)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.05	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%) 2,157 (6.6%) ** (0.0%) 0.58 (1.01) 11,149 (34.2%) 32,261 (99.2%) 32,265 (9.9%) 4.65 (1.70)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,208 (37.7%) 1,744 (10.4%) 3.61 (1.83)	0.00 0.02 0.02 -0.03 0.04 0.04 #DIV/0! 0.02 #DIV/0! 0.05 -0.07 -0.02 0.59	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68)	161 (0.7%) #VALUEI 5124 (20.8%) 334 (1.6%) 0.52 (0.81) 1359 (5.5%) #VALUEI 0.54 (0.82) 8064 (32.8%) 12128 (45.6%) 24375 (59.1%) 2243 (9.1%) 3.29 (1.79)	-0.01 #VALUEI #VALUEI 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.00 0.00 0.03 -0.07 -0.02 0.01
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vtamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Prasugrel; n (%)	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\end{array}$	-0.02 0.00 0.04 -0.02 -0.01 -0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02	$\begin{array}{c} 160 \left(1.1\%\right)\\ 22 \left(0.2\%\right)\\ 67 \left(0.5\%\right)\\ 2,756 \left(19.7\%\right)\\ 215 \left(1.5\%\right)\\ 0.34 \left(0.75\right)\\ 3,099 \left(22.2\%\right)\\ 497 \left(3.6\%\right)\\ 22 \left(0.2\%\right)\\ 0.53 \left(1.22\right)\\ 4,338 \left(31.0\%\right)\\ 5,771 \left(41.3\%\right)\\ 13,310 \left(95.2\%\right)\\ 872 \left(6.2\%\right)\end{array}$	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (4.34%) 3,732 (95.5%) 204 (5.2%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04	$\begin{array}{c} 146 \left(0.4\%\right)\\ 113 \left(0.3\%\right)\\ 113 \left(0.5\%\right)\\ 7,501 \left(23.0\%\right)\\ 554 \left(1.7\%\right)\\ 0.54 \left(0.7\%\right)\\ 2,157 \left(6.6\%\right)\\ ** \left(0.0\%\right)\\ 0.58 \left(1.01\right)\\ 11,149 \left(34.2\%\right)\\ 13,113 \left(40.2\%\right)\\ 32,361 \left(99.2\%\right)\\ 3,226 \left(9.9\%\right)\end{array}$	45 (0.3%) 3,737 (2.2%) 258 (1.5%) 0.56 (0.80) 4,666 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 16,705 (99.7%) 1,744 (10.4%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02 0.02 0.04 0.05 -0.07 -0.02	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 0.52 (0.81) 6585 (20.81) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 24375 (99.1%) 2243 (9.1%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.00 #VALUE! 0.00 0.00 0.00 0.03 -0.07 -0.02
Aspirin; n (%) Aspirin; n (%) Aspirin; n (apyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NIR (prothrombin) tests ordered mean (sd) Treating prescriber - Prinary Care Physician; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CH42DS2 VASC score, 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Loop Diuretics+other diuretics+other	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03	$\begin{array}{c} 160 \left(1.1\%\right)\\ 22 \left(0.2\%\right)\\ 67 \left(0.5\%\right)\\ 2,756 \left(19.7\%\right)\\ 215 \left(1.5\%\right)\\ 0.34 \left(0.75\right)\\ 3,099 \left(22.2\%\right)\\ 497 \left(3.6\%\right)\\ 22 \left(0.2\%\right)\\ 0.53 \left(1.22\right)\\ 4,338 \left(31.0\%\right)\\ 5,771 \left(41.3\%\right)\\ 13,310 \left(95.2\%\right)\\ 872 \left(6.2\%\right)\\ 3.50 \left(1.56\right)\\ 27 \left(0.2\%\right)\end{array}$	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1.377 (3.5.1%) 1.695 (4.3.4%) 3,732 (95.5%) 204 (5.2%) 2.64 (1.73) ** (0.3%)	-0.04 0.03 0.03 0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.52 -0.02	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/01 0.02 0.04 0.05 -0.07 -0.02 0.59 #DIV/01	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE!	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 24375 (99.1%) 2243 (9.1%) 3.29 (1.79) #VALUE!	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE!
Aspirin; n (%) Aspirin/dipyridanole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other agstroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Primary Care Physician; n (%) Treating prescriber - Primary Care Physician; n (%) Treating prescriber - Primary Care Physician; n (%) CHA2D52 VASC score, 180 days, V mean (sd) Use of Prasugrei; n (%) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%)	$\begin{array}{c} 44 \left( 0.6\% \right) \\ ** \left( 0.1\% \right) \\ 21 \left( 0.3\% \right) \\ 1,375 \left( 18.5\% \right) \\ 100 \left( 1.3\% \right) \\ 0.49 \left( 0.77 \right) \\ 1,695 \left( 22.9\% \right) \\ 312 \left( 4.2\% \right) \\ ** \left( 0.1\% \right) \\ 0.73 \left( 1.63 \right) \\ 2,275 \left( 30.7\% \right) \\ 6,535 \left( 88.2\% \right) \\ 7,407 \left( 99.9\% \right) \\ 527 \left( 7.1\% \right) \\ 3.72 \left( 1.81 \right) \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.5%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (43.4%) 3,732 (95.5%) 204 (5.2%) 2.64 (1.73)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.05	146 (0.4%) 113 (0.3%) 181 (0.6%) 7,501 (23.0%) 554 (1.7%) 0.54 (0.79) 10,056 (30.8%) 2,157 (6.6%) ** (0.0%) 0.58 (1.01) 11,149 (34.2%) 32,261 (99.2%) 3,226 (9.9%) 4.65 (1.70)	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,868 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,208 (37.7%) 1,744 (10.4%) 3.61 (1.83)	0.00 0.02 0.02 -0.03 0.04 0.04 #DIV/0! 0.02 #DIV/0! 0.05 -0.07 -0.02 0.59	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68)	161 (0.7%) #VALUEI 5124 (20.8%) 334 (1.6%) 0.52 (0.81) 1359 (5.5%) #VALUEI 0.54 (0.82) 8064 (32.8%) 12128 (45.6%) 24375 (59.1%) 2243 (9.1%) 3.29 (1.79)	-0.01 #VALUEI #VALUEI 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.00 0.00 0.03 -0.07 -0.02 0.01
Aspirin; n (%) Aspirin; n (%) Aspirin; n (apyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CH42DS2 VASc score, 180 days, V mean (sd) Use of Prasugrei; n (%) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%)	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03	$\begin{array}{c} 160 \left(1.1\%\right)\\ 22 \left(0.2\%\right)\\ 67 \left(0.5\%\right)\\ 2,756 \left(19.7\%\right)\\ 215 \left(1.5\%\right)\\ 0.34 \left(0.75\right)\\ 3,099 \left(22.2\%\right)\\ 497 \left(3.6\%\right)\\ 22 \left(0.2\%\right)\\ 0.53 \left(1.22\right)\\ 4,338 \left(31.0\%\right)\\ 5,771 \left(41.3\%\right)\\ 13,310 \left(95.2\%\right)\\ 872 \left(6.2\%\right)\\ 3.50 \left(1.56\right)\\ 27 \left(0.2\%\right)\end{array}$	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1.377 (3.5.1%) 1.695 (4.3.4%) 3,732 (95.5%) 204 (5.2%) 2.64 (1.73) ** (0.3%)	-0.04 0.03 0.03 0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.52 -0.02	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/01 0.02 0.04 0.05 -0.07 -0.02 0.59 #DIV/01	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE!	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 24375 (99.1%) 2243 (9.1%) 3.29 (1.79) #VALUE!	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE!
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other agstroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Prinary Care Physician; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CH42DS2 VASc score, 180 days, V mean (sd) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial vs Medicare Advantage-Business Type Code - CORRECT ONE - OPTUM	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1\%)\\ **(0.3\%)\\ 567(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (43.4%) 3,732 (95.5%) 204 (5.2%) 2.64 (1.73) ** (0.3%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 0.52 -0.02 0.06	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.04 0.04 0.04 0.02 #DIV/0! 0.02 0.04 0.05 -0.07 -0.02 0.59 #DIV/01 0.09	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%)	161 (0.7%) #VALUEI #VALUEI 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUEI 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 2243 (9.1%) 3.29 (1.79) #VALUEI 4253 (17.3%)	-0.01 #VALUEI #VALUEI 0.02 0.00 0.00 #VALUEI 0.00 0.00 #VALUEI 0.00 0.03 -0.07 -0.02 0.01 #VALUEI 0.06
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Loop Diuretics+other diuretics+other Hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Code - CORRECT NET.	$\begin{array}{c} 44 \left(0.5\%\right)\\ &\stackrel{**}{\leftarrow} \left(0.1\%\right)\\ 21 \left(0.3\%\right)\\ 1,375 \left(18.5\%\right)\\ 100 \left(1.3\%\right)\\ 0.49 \left(0.77\right)\\ 1,695 \left(22.9\%\right)\\ &\stackrel{**}{\leftarrow} \left(0.1\%\right)\\ 0.73 \left(1.63\right)\\ 2.275 \left(30.7\%\right)\\ 6,535 \left(88.2\%\right)\\ 7,407 \left(99.9\%\right)\\ 527 \left(7.1\%\right)\\ 3.72 \left(1.81\right)\\ 13 \left(0.2\%\right)\\ 1,136 \left(15.3\%\right)\\ 2,640 \left(35.6\%\right)\end{array}$	$\begin{array}{c} 31 \ (0.8\%) \\ ** \ (0.1\%) \\ ** \ (0.3\%) \\ 667 \ (16.9\%) \\ 58 \ (1.5\%) \\ 0.48 \ (0.78) \\ 892 \ (22.6\%) \\ 174 \ (4.4\%) \\ ** \ (0.0\%) \\ 0.53 \ (0.88) \\ 1,282 \ (22.5\%) \\ 3,215 \ (81.6\%) \\ 3,938 \ (99.9\%) \\ 295 \ (7.5\%) \\ 2.57 \ (1.68) \\ ** \ (0.1\%) \\ 532 \ (13.5\%) \\ 1277 \ (32.4\%) \end{array}$	-0.02 0.00 0.00 0.04 -0.02 0.01 -0.01 -0.01 -0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.04 0.02 #DIV/01 0.02 0.04 0.05 -0.07 -0.02 0.59 #DIV/01 0.09	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%)	161 (0,7%) #VALUE! #VALUE! 5124 (20,8%) 394 (1.6%) 0.52 (0.81) 6585 (26,8%) 1359 (5.5%) #VALUE! 0.54 (0.22) 8064 (0.28%) 11218 (45,6%) 224375 (99,1%) 3.29 (1.79) #VALUE! 4253 (17.3%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE! 0.06 0.09
Aspirin; n (%) Aspirin; n (%) Aspirin; n (apyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NIR (prothrombin) tests ordered mean (sd) Treating prescriber - Primary Care Physician; n (%) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Code - CORRECT ONE - OPTUM Commercial; n (%)	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1\%)\\ **(0.3\%)\\ 567(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	63 (1.6%) ** (0.1%) ** (0.3%) 720 (18.4%) 78 (2.0%) 0.36 (0.85) 825 (21.1%) 175 (4.5%) 0 (0.0%) 0.46 (0.98) 1,372 (35.1%) 1,695 (43.4%) 3,732 (95.5%) 204 (5.2%) 2.64 (1.73) ** (0.3%)	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 0.52 -0.02 0.06	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 -0.03 0.04 0.04 #DIV/0! 0.02 #DIV/0! 0.05 -0.07 -0.02 0.59 #DIV/0!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%)	161 (0.7%) #VALUEI #VALUEI 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUEI 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 2243 (9.1%) 3.29 (1.79) #VALUEI 4253 (17.3%)	-0.01 #VALUEI #VALUEI 0.02 0.00 0.00 #VALUEI 0.00 0.00 #VALUEI 0.00 0.03 -0.07 -0.02 0.01 #VALUEI 0.06
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Loop Diuretics+other diuretics+other Hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Code - CORRECT NET.	$\begin{array}{c} 44 \left(0.5\%\right)\\ &\stackrel{**}{\leftarrow} \left(0.1\%\right)\\ 21 \left(0.3\%\right)\\ 1,375 \left(18.5\%\right)\\ 100 \left(1.3\%\right)\\ 0.49 \left(0.77\right)\\ 1,695 \left(22.9\%\right)\\ &\stackrel{**}{\leftarrow} \left(0.1\%\right)\\ 0.73 \left(1.63\right)\\ 2.275 \left(30.7\%\right)\\ 6,535 \left(88.2\%\right)\\ 7,407 \left(99.9\%\right)\\ 527 \left(7.1\%\right)\\ 3.72 \left(1.81\right)\\ 13 \left(0.2\%\right)\\ 1,136 \left(15.3\%\right)\\ 2,640 \left(35.6\%\right)\end{array}$	$\begin{array}{c} 31 \ (0.8\%) \\ ** \ (0.1\%) \\ ** \ (0.3\%) \\ 667 \ (16.9\%) \\ 58 \ (1.5\%) \\ 0.48 \ (0.78) \\ 892 \ (22.6\%) \\ 174 \ (4.4\%) \\ ** \ (0.0\%) \\ 0.53 \ (0.88) \\ 1,282 \ (22.5\%) \\ 3,215 \ (81.6\%) \\ 3,938 \ (99.9\%) \\ 295 \ (7.5\%) \\ 2.57 \ (1.68) \\ ** \ (0.1\%) \\ 532 \ (13.5\%) \\ 1277 \ (32.4\%) \end{array}$	-0.02 0.00 0.00 0.04 -0.02 0.01 -0.01 -0.01 -0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.04 0.02 #DIV/01 0.02 0.04 0.05 -0.07 -0.02 0.59 #DIV/01 0.09	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%)	161 (0,7%) #VALUE! #VALUE! 5124 (20,8%) 394 (1.6%) 0.52 (0.81) 6585 (26,8%) 1359 (5.5%) #VALUE! 0.54 (0.22) 8064 (0.28%) 11218 (45,6%) 224375 (99,1%) 3.29 (1.79) #VALUE! 4253 (17.3%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE! 0.06 0.09
Aspirin; n (%) Aspirin; n (%) Aspirin; n (apprice) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Critical Control (%) Treating prescriber - Chine; n (%) Alpha blockers; n (%) CHA2DS2 VASc score; 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial w Medicare Advantage- Business Type Code	44 (0.5%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%) 0.73 (1.63) 2,275 (30.7%) 6,535 (88.2%) 7,407 (99.9%) 527 (7.1%) 3.72 (1.81) 13 (0.2%) 1,136 (15.3%) 2,640 (35.6%) 4,773 (64.4%)	$\begin{array}{c} 31(0.8\%)\\ **(0.1\%)\\ **(0.3\%)\\ 567(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(23.5\%)\\ 3,235(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ 1277(32.4\%)\\ 2663(67.6\%)\\ \end{array}$	-0.02 0.00 0.04 -0.02 0.01 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02 0.04 0.05 -0.07 -0.02 #DIV/0! 0.09 #DIV/0!	350(0.6%) #VALUE! 269(0.5%) 11632(21.5%) 869(1.6%) 0.48(0.75%) 2966(5.5%) #VALUE! 0.59(1.17) 17762(32.9%) 25419(47.1%) 53078(98.3%) 4625(8.6%) 4.22(1.68) #VALUE! 10589(19.6%) 6,638(31.0%) 14,752(69.0%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6385 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 111218 (45.6%) 24375 (99.1%) 2243 (9.1%) 3.29 (1.7) #VALUE! 4253 (17.3%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE! 0.06 0.09 -0.09
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other agstroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Cardiologist; n (%) Treating prescriber - Cardiologist; n (%) Treating prescriber - Cardiologist; n (%) Ch42DS2 VASc score, 180 days, V mean (sd) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Commercial vs Medicare Advantage- Business Type	$\begin{array}{c} 44 \left(0.5\%\right)\\ &\stackrel{**}{\leftarrow} \left(0.1\%\right)\\ 21 \left(0.3\%\right)\\ 1,375 \left(18.5\%\right)\\ 100 \left(1.3\%\right)\\ 0.49 \left(0.77\right)\\ 1,695 \left(22.9\%\right)\\ &\stackrel{**}{\leftarrow} \left(0.1\%\right)\\ 0.73 \left(1.63\right)\\ 2.275 \left(30.7\%\right)\\ 6,535 \left(88.2\%\right)\\ 7,407 \left(99.9\%\right)\\ 527 \left(7.1\%\right)\\ 3.72 \left(1.81\right)\\ 13 \left(0.2\%\right)\\ 1,136 \left(15.3\%\right)\\ 2,640 \left(35.6\%\right)\end{array}$	$\begin{array}{c} 31 \ (0.8\%) \\ ** \ (0.1\%) \\ ** \ (0.3\%) \\ 667 \ (16.9\%) \\ 58 \ (1.5\%) \\ 0.48 \ (0.78) \\ 892 \ (22.6\%) \\ 174 \ (4.4\%) \\ ** \ (0.0\%) \\ 0.53 \ (0.88) \\ 1,282 \ (22.5\%) \\ 3,215 \ (81.6\%) \\ 3,938 \ (99.9\%) \\ 295 \ (7.5\%) \\ 2.57 \ (1.68) \\ ** \ (0.1\%) \\ 532 \ (13.5\%) \\ 1277 \ (32.4\%) \end{array}$	-0.02 0.00 0.00 0.04 -0.02 0.01 -0.01 -0.01 -0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.04 0.02 #DIV/01 0.02 0.04 0.05 -0.07 -0.02 0.59 #DIV/01 0.09	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%)	161 (0,7%) #VALUE! #VALUE! 5124 (20,8%) 394 (1.6%) 0.52 (0.81) 6585 (26,8%) 1359 (5.5%) #VALUE! 0.54 (0.22) 8064 (0.28%) 11218 (45,6%) 224375 (99,1%) 3.29 (1.79) #VALUE! 4253 (17.3%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE! 0.06 0.09
Aspirin; n (%) Aspirin; n (%) Aspirin; n (apprice) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Critical Control (%) Treating prescriber - Chine; n (%) Alpha blockers; n (%) CHA2DS2 VASc score; 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial w Medicare Advantage- Business Type Code	44 (0.5%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%) 0.73 (1.63) 2,275 (30.7%) 6,535 (88.2%) 7,407 (99.9%) 527 (7.1%) 3.72 (1.81) 13 (0.2%) 1,136 (15.3%) 2,640 (35.6%) 4,773 (64.4%)	$\begin{array}{c} 31(0.8\%)\\ **(0.1\%)\\ **(0.3\%)\\ 567(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(23.5\%)\\ 3,235(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ 1277(32.4\%)\\ 2663(67.6\%)\\ \end{array}$	-0.02 0.00 0.04 -0.02 0.01 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 -0.03 0.04 0.02 #DIV/0! 0.02 0.04 0.05 -0.07 -0.02 #DIV/0! 0.09 #DIV/0!	350(0.6%) #VALUE! 269(0.5%) 11632(21.5%) 869(1.6%) 0.48(0.75%) 2966(5.5%) #VALUE! 0.59(1.17) 17762(32.9%) 25419(47.1%) 53078(98.3%) 4625(8.6%) 4.22(1.68) #VALUE! 10589(19.6%) 6,638(31.0%) 14,752(69.0%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6385 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 111218 (45.6%) 24375 (99.1%) 2243 (9.1%) 3.29 (1.7) #VALUE! 4253 (17.3%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE! 0.06 0.09 -0.09
Aspirin; n (%) Aspirin; n (%) Aspirin; n (apyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NIR (prothrombin) tests ordered mean (sd) Treating prescriber - Primary Care Physician; n (%) Treating prescriber - Other; n (%) Alpha bickers; n (%) CH42DS2 VASc score, 180 days, V mean (sd) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial w Medicare Advantage- Business Type Code - CORRECT ONE - OPTUM Commercial v Medicare Advantage- Business Type Code COH = COMMERCIAL; n (%)	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(82.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\\ 2,640(35.6\%)\\ 4,773(64.4\%)\\ 2,640(35.6\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1\%)\\ **(0.3\%)\\ 567(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,262(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ 1277(32.4\%)\\ 2663(67.6\%)\\ 1,277(32.4\%)\\ \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05 0.05 0.07 -0.07	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.04 0.04 0.02 #DIV/0! 0.02 0.04 0.05 0.05 0.05 0.05 0.07 -0.02 0.59 #DIV/0! 0.09 #VALUE!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%) 6,638 (31.0%) 14,752 (69.0%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (22.8%) 11218 (45.6%) 2243 (9.1%) 2243 (9.1%) 3.29 (1.79) #VALUE! 4253 (17.3%) 2112 (26.9%) 5736 (73.1%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 0.00 #VALUE! 0.00 0.03 -0.07 *VALUE! 0.06 0.03 -0.07 0.01
Aspirin; n (%) Aspirin; n (%) Aspirin; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Chre; n (%) Alpha blockers; n (%) CH42DS2 VASc score, 180 days, V mean (sd) Use of Prasugrei; n (%) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Code COM = COMMERCIAL; n (%) MCD = MEDICAB; n (%)	44 (0.5%) ** (0.1%) 21 (0.3%) 1,375 (18.5%) 100 (1.3%) 0.49 (0.77) 1,695 (22.9%) 312 (4.2%) ** (0.1%) 0.73 (1.63) 2,275 (30.7%) 6,535 (88.2%) 7,407 (99.9%) 527 (7.1%) 3.72 (1.81) 13 (0.2%) 1,136 (15.3%) 2,640 (35.6%) 4,773 (64.4%) 0 (0.0%)	31 (0.8%) ** (0.1%) 667 (16.9%) 58 (15%) 0.48 (0.78) 892 (22.6%) 174 (4.4%) ** (0.0%) 0.53 (0.88) 1,282 (32.5%) 3,215 (81.6%) 3,938 (99.9%) 295 (7.5%) 2.57 (1.68) ** (0.1%) 532 (13.5%) 1277 (32.4%) 2663 (67.6%)	-0.02 0.00 0.00 0.04 -0.02 0.01 -0.01 -0.01 -0.04 0.15 -0.04 0.19 0.00 -0.02 0.06 0.03 0.05 0.05 0.07 -0.07 -0.07	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.02 0.04 0.04 0.02 #DIV/01 0.02 0.04 0.05 0.07 -0.07 -0.02 0.59 #DIV/01 0.09 #DIV/01 0.09 #VALUE! #VALUE!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%) 6,638 (31.0%) 14,752 (69.0%) 2,640 (35.6%) 4,773 (64.4%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (28.8%) 11218 (45.6%) 24375 (99.1%) 2243 (9.1%) 3.29 (1.79) #VALUE! 4253 (17.3%) 2112 (26.9%) 5736 (77.1%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.00 0.00 0.00 0.03 0.03 0.03 0.0
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Loop Diuretics+other diuretics+other Hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Code - CORRECT ONE - OPTUM Commercial vs Medicare Advantage- Business Type Code:COM = COMMERCIAL; n (%) MCR = MEDICARE; n (%)	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\\ 2,640(35.6\%)\\ 4,773(64.4\%)\\ 0,(0.0\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ 1277(32.4\%)\\ 2.663(67.6\%)\\ 0,(0.0\%)\\ \end{array}$	-0.02 0.00 0.00 0.04 -0.02 0.01 -0.01 -0.01 -0.04 0.15 -0.04 0.19 0.00 -0.02 0.06 0.03 0.05 0.05 0.07 -0.07 -0.07	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.02 0.04 0.04 0.02 #DIV/01 0.02 0.04 0.05 0.07 -0.07 -0.02 0.59 #DIV/01 0.09 #DIV/01 0.09 #VALUE! #VALUE!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%) 6,638 (31.0%) 14,752 (69.0%) 2,640 (35.6%) 4,773 (64.4%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (28.8%) 11218 (45.6%) 24375 (99.1%) 2243 (9.1%) 3.29 (1.79) #VALUE! 4253 (17.3%) 2112 (26.9%) 5736 (77.1%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.00 0.00 0.00 0.03 0.03 0.03 0.0
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplateiet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Cardiologist; n (%) Treating prescriber - Cardiologist; n (%) Treating prescriber - Other; n (%) Alpha blockers; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Prasuger]; n (%) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial w Medicare Advantage- Business Type Code COM = COMMERCIAL; n (%) MCR = MEDICARD; n (%) MCR = MEDICARD; n (%) MCR = MEDICARD; n (%) MCR = NO BUSINESS LINE CODE (added in 2015); n (%)	$\begin{array}{c} 44(0.5\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\\ 4,773(64.4\%)\\ 0,00\%\\ 0(0.0\%)\\ \end{array}$	$\begin{array}{c} 31 \ (0.8\%) \\ ** \ (0.1\%) \\ ** \ (0.3\%) \\ 667 \ (16.9\%) \\ 58 \ (1.5\%) \\ 0.48 \ (0.78) \\ 892 \ (22.6\%) \\ 174 \ (4.4\%) \\ ** \ (0.0\%) \\ 0.53 \ (0.88) \\ 1,282 \ (32.5\%) \\ 3,215 \ (81.6\%) \\ 3,938 \ (99.9\%) \\ 295 \ (7.5\%) \\ 2.57 \ (1.68) \\ ** \ (0.1\%) \\ 532 \ (13.5\%) \\ 1277 \ (32.4\%) \\ 2.663 \ (67.6\%) \\ 0 \ (0.0\%) \\ 0 \ (0.0\%) \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.03 0.05 0.05 0.05 0.07 -0.07 -0.07 -0.07 #DIV/01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.02 0.04 0.04 0.02 #DIV/0! 0.02 0.04 0.05 0.05 0.07 -0.02 0.59 #DIV/0! 0.09 #DIV/0! 0.09 #VALUE! #VALUE! #VALUE! #VALUE!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%) 6,638 (31.0%) 14,752 (69.0%) 2,640 (35.6%) 4,773 (64.4%) 0 (0.0%)	161 (0,7%) #VALUE! #VALUE! 5124 (20,8%) 394 (1.6%) 0.52 (0.81) 6585 (26,8%) 1359 (5.5%) #VALUE! 0.54 (0.28) 8064 (32.8%) 11218 (45.6%) 24375 (99.1%) 3.29 (1.79) #VALUE! 4253 (17.3%) 2112 (26.9%) 5736 (73.1%) 1,277 (32.4%) 2,663 (67.6%) 0 (0.0%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 #VALUE! 0.06 0.01 #VALUE! 0.06 0.09 -0.09 -0.09 -0.07 #DIV/0!
Aspirin; n (%) Aspirin; n (%) Aspirin; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Vitamin K therapy; n (%) Number of NIR (prothrombin) tests ordered mean (sd) Treating prescriber - Primary Care Physician; n (%) Treating prescriber - Chrei; n (%) Alpha blockers; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Loop Diuretics+other diuretics+other hypertension drugs; n (%) Commercial vs Medicare Advantage- Business Type Code - CORRECT ONE - OPTUM Commercial vs Medicare Advantage- Business Type Code COM = COMMERCIAL; n (%) MCR = MEDICARE; n (%) MCR = MEDICARE; n (%) MONE = NO BUSINESS LINE CODE (added in 2015); n (%)	$\begin{array}{c} 44(0.6\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\\ 2,640(35.6\%)\\ 4,773(64.4\%)\\ 0,(0.0\%)\\ \end{array}$	$\begin{array}{c} 31(0.8\%)\\ **(0.1)6)\\ **(0.3)6\\ 667(16.9\%)\\ 58(1.5\%)\\ 0.48(0.78)\\ 892(22.6\%)\\ 174(4.4\%)\\ **(0.0\%)\\ 0.53(0.88)\\ 1,282(32.5\%)\\ 3,215(81.6\%)\\ 3,938(99.9\%)\\ 295(7.5\%)\\ 2.57(1.68)\\ **(0.1\%)\\ 532(13.5\%)\\ 1277(32.4\%)\\ 2.663(67.6\%)\\ 0,(0.0\%)\\ \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.66 0.03 0.05 0.03 0.05 0.07 -0.07 -0.07 +D.07 +D.07	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.02 0.04 0.04 0.02 0.04 0.05 0.04 0.05 0.04 0.05 0.07 0.02 0.59 #DIV/0! 0.09 #DIV/0! 0.09 #VALUE! #VALUE! #VALUE!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%) 6,638 (31.0%) 14,752 (69.0%) 2,640 (35.6%) 4,773 (64.4%) 0 (0.0%)	161 (0.7%) #VALUE! #VALUE! 5124 (20.8%) 394 (1.6%) 0.52 (0.81) 6585 (26.8%) 1359 (5.5%) #VALUE! 0.54 (0.82) 8064 (32.8%) 11218 (45.6%) 2243 (9.1%) 3.29 (1.79) #VALUE! 4253 (17.3%) 2112 (26.9%) 5736 (73.1%) 1,277 (32.4%) 2,663 (67.6%) 0 (0.0%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.00 #VALUE! 0.00 0.00 #VALUE! 0.00 0.03 -0.07 -0.02 0.01 #VALUE! 0.06 0.09 -0.09 -0.09
Aspirin; n (%) Aspirin/dipyridamole; n (%) Other antiplatelet agents; n (%) PGP inhibitors; n (%) Other gastroprotective agents; n (%) Number of lipid tests ordered mean (sd) Proton pump inhibitor; n (%) H2 receptor antagonist; n (%) Witamin K therapy; n (%) Number of NR (prothrombin) tests ordered mean (sd) Treating prescriber - Catiologist; n (%) Treating prescriber - Other; n (%) CHA2DS2 VASc score, 180 days, V mean (sd) CHA2DS2 VASc score, 180 days, V mean (sd) Use of Prasugrel; n (%) Use of Prasugrel; n (%) Commercial vs Medicare Advantage: Business Type Code - CORKECT ONE - OPTUM Commercial; n (%) Commercial vs Medicare Advantage: Business Type Code COM = COMMERCIAL; n (%) MCR = MEDICARE; n (%) MCR = MEDICARE; n (%)	$\begin{array}{c} 44(0.5\%)\\ **(0.1\%)\\ 21(0.3\%)\\ 1,375(18.5\%)\\ 100(1.3\%)\\ 0.49(0.77)\\ 1,695(22.9\%)\\ 312(4.2\%)\\ **(0.1\%)\\ 0.73(1.63)\\ 2,275(30.7\%)\\ 6,535(88.2\%)\\ 7,407(99.9\%)\\ 527(7.1\%)\\ 3.72(1.81)\\ 13(0.2\%)\\ 1,136(15.3\%)\\ 4,773(64.4\%)\\ 0,00\%\\ 0(0.0\%)\\ \end{array}$	$\begin{array}{c} 31 \ (0.8\%) \\ ** \ (0.1\%) \\ ** \ (0.3\%) \\ 667 \ (16.9\%) \\ 58 \ (1.5\%) \\ 0.48 \ (0.78) \\ 892 \ (22.6\%) \\ 174 \ (4.4\%) \\ ** \ (0.0\%) \\ 0.53 \ (0.88) \\ 1,282 \ (32.5\%) \\ 3,215 \ (81.6\%) \\ 3,938 \ (99.9\%) \\ 295 \ (7.5\%) \\ 2.57 \ (1.68) \\ ** \ (0.1\%) \\ 532 \ (13.5\%) \\ 1277 \ (32.4\%) \\ 2.663 \ (67.6\%) \\ 0 \ (0.0\%) \\ 0 \ (0.0\%) \end{array}$	-0.02 0.00 0.04 -0.02 0.01 -0.01 0.04 0.15 -0.04 0.19 0.00 -0.02 0.03 0.05 0.05 0.05 0.07 -0.07 -0.07 -0.07 -0.07 #DIV/01	160 (1.1%) 22 (0.2%) 67 (0.5%) 2,756 (19.7%) 215 (1.5%) 0.34 (0.75) 3,099 (22.2%) 497 (3.6%) 22 (0.2%) 0.53 (1.22) 4,338 (31.0%) 5,771 (41.3%) 13,310 (95.2%) 872 (6.2%) 3.50 (1.56) 27 (0.2%) 1,808 (12.9%)	$\begin{array}{c} 63(1.6\%)\\ &\stackrel{**}{\leftarrow}(0.1\%)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 720(18.4\%)\\ 78(2.0\%)\\ 0.36(0.85)\\ 825(21.1\%)\\ 175(4.5\%)\\ 0(0.0\%)\\ 0.46(0.98)\\ 1.377(2.5.1\%)\\ 1.695(43.4\%)\\ 3.732(95.5\%)\\ 204(5.2\%)\\ 2.64(1.73)\\ &\stackrel{**}{\leftarrow}(0.3\%)\\ 427(10.9\%)\\ 835(21.4\%)\\ \end{array}$	-0.04 0.03 0.03 -0.04 -0.02 0.03 -0.05 0.06 -0.09 -0.04 -0.01 0.04 -0.01 0.04 -0.02 -0.02 -0.02 0.06 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.03 -0.04 -0.03 -0.05 -	$\begin{array}{c} 146 \left( 0.4\% \right) \\ 113 \left( 0.3\% \right) \\ 113 \left( 0.5\% \right) \\ 7,501 \left( 23.0\% \right) \\ 554 \left( 1.7\% \right) \\ 0.54 \left( 0.7\% \right) \\ 2,157 \left( 6.6\% \right) \\ ** \left( 0.0\% \right) \\ 0.58 \left( 1.01 \right) \\ 11,149 \left( 34.2\% \right) \\ 32,361 \left( 99.2\% \right) \\ 3,226 \left( 9.9\% \right) \\ 4.65 \left( 1.70 \right) \\ ** \left( 0.0\% \right) \end{array}$	45 (0.3%) 100 (0.6%) 3,737 (22.3%) 258 (1.5%) 0.56 (0.80) 4,668 (29.1%) 1,010 (6.0%) ** (0.0%) 0.56 (0.77) 5,410 (32.3%) 6,308 (37.7%) 1,6708 (99.7%) 1,744 (10.4%) 3.61 (1.83) ** (0.0%)	0.00 0.02 0.02 0.02 0.04 0.04 0.02 0.04 0.05 0.04 0.05 0.04 0.05 0.07 0.02 0.59 #DIV/0! 0.09 #DIV/0! 0.09 #VALUE! #VALUE! #VALUE!	350 (0.6%) #VALUE! 269 (0.5%) 11632 (21.5%) 869 (1.6%) 0.48 (0.78) 14850 (27.5%) 2966 (5.5%) #VALUE! 0.59 (1.17) 17762 (32.9%) 25419 (47.1%) 53078 (98.3%) 4625 (8.6%) 4.22 (1.68) #VALUE! 10589 (19.6%) 6,638 (31.0%) 14,752 (69.0%) 2,640 (35.6%) 4,773 (64.4%) 0 (0.0%)	161 (0,7%) #VALUE! #VALUE! 5124 (20,8%) 394 (1.6%) 0.52 (0.81) 6585 (26,8%) 1359 (5.5%) #VALUE! 0.54 (0.28) 8064 (32.8%) 11218 (45.6%) 24375 (99.1%) 3.29 (1.79) #VALUE! 4253 (17.3%) 2112 (26.9%) 5736 (73.1%) 1,277 (32.4%) 2,663 (67.6%) 0 (0.0%)	-0.01 #VALUE! #VALUE! 0.02 0.00 0.02 0.00 #VALUE! 0.00 0.03 -0.07 #VALUE! 0.06 0.01 #VALUE! 0.06 0.09 -0.09 -0.09 -0.07 #DIV/0!

1 - Fee For Service; n (%)	-		8,838 (63.2%)	2,764 (70.7%)	-0.16	-	-	8,838 (63.2%)	2,764 (70.7%)	-0.16
2 - Encounter; n (%)			1,141 (8.2%)	309 (7.9%)	0.01		-	1,141 (8.2%)	309 (7.9%)	0.01
3 - Medicare; n (%)	-	-	3,608 (25.8%)	750 (19.2%)	0.16		-	3,608 (25.8%)	750 (19.2%)	0.16
4 - Medicare Encounter; n (%)	-		390 (2.8%)	85 (2.2%)	0.04		-	390 (2.8%)	85 (2.2%)	0.04
Metropolitan Statistical Area - Urban (any MSA) vs										
Rural (non-MSA)								0	0	0.00
Urban; n (%)	-	-	11,109 (79.5%)	2,903 (74.3%)	0.12		-	11,109 (79.5%)	2,903 (74.3%)	0.12
Rural; n (%)	-	-	151 (1.1%)	145 (3.7%)	-0.17	-	-	151 (1.1%)	145 (3.7%)	-0.17
Unknown/Missing; n (%)		-	2,717 (19.4%)	860 (22.0%)	-0.06	-	-	2,717 (19.4%)	860 (22.0%)	-0.06
Rural; n (%)	-	-	151 (1.1%)	145 (3.7%)	-0.17	-	-	151 (1.1%)	145 (3.7%)	-0

Due to CMS cell suppression policy, all values less than 11 are denoted with \*\*

Variable Number of patients Age mean (sd) Age categories without zero category 18 - 54 ; n (%)	Optum Reference- warfarin Copy 'oxaba			MarketScar	PS-matched							
Number of patients Age mean (sd) Age categories without zero category				IVIAI NELSCAI			Medicare				POOLED	
Number of patients Age mean (sd) Age categories without zero category					St. Diff. Reference-warfarin Copy oxaban (15 or 20 mg) Copy			St. Diff. Reference-warfarin Copy oxaban (15 or 20 mg) Copy			Exposure - rivaroxaban	
Age mean (sd) Age categories without zero category		in (15 or 20 mg) Copy 1,575	St. Diff. Refe	erence-warfarin Copy oxaba 2,899	an (15 or 20 mg) Copy 2,899	St. Diff. Refe	erence-warfarin Copy oxaba 8.511	an (15 or 20 mg) Copy 8,511	St. Diff. Refe	erence- warfarin Copy 12,985	(15 or 20 mg) Copy 12,985	St. Diff.
mean (sd) Age categories without zero category	1,575	1,575		2,899	2,899		8,511	8,511		12,985	12,985	
Age categories without zero category	65.29 (15.26)	65.87 (14.42)	-0.04	55.03 (16.16)	55.22 (15.70)	-0.01	76.35 (7.86)	76.58 (7.93)	-0.03	70.25 (11.27)	70.51 (11.02)	-0.02
	05.25 (15.20)	05.07 (14.42)	0.04	55.05 (10.10)	55.22 (15.70)	0.01	70.00 (7.00)	70.50(7.55)	0.05	/0.25(11.27)	/0.01(11.02)	0.01
	373 (23.7%)	319 (20.3%)	0.08	1,394 (48.1%)	1,388 (47.9%)	0.00	0 (0.0%)	0 (0.0%)	#DIV/0!	1767 (13.6%)	1707 (13.1%)	0.01
	269 (17.1%)	268 (17.0%)	0.00	821 (28.3%)	827 (28.5%)	0.00	0 (0.0%)	0 (0.0%)	#DIV/0!	1,090 (8.4%)	1,095 (8.4%)	0.00
	424 (26.9%)	512 (32.5%)	-0.12	313 (10.8%)	338 (11.7%)	-0.03	4.015 (47.2%)	3.893 (45.7%)	0.03	4,752 (36.6%)	4,743 (36.5%)	0.00
>= 75; n (%)	509 (32.3%)	476 (30.2%)	0.05	371 (12.8%)	346 (11.9%)	0.03	4,496 (52.8%)	4,618 (54.3%)	-0.03	5,376 (41.4%)	5,440 (41.9%)	-0.01
Gender without zero category- United							, ,	, ,		.,,		
Males; n (%)	718 (45.6%)	703 (44.6%)	0.02	1,383 (47.7%)	1,412 (48.7%)	-0.02	3,166 (37.2%)	3,136 (36.8%)	0.01	5,267 (40.6%)	5,251 (40.4%)	0.00
Females; n (%)	857 (54.4%)	872 (55.4%)	-0.02	1,516 (52.3%)	1,487 (51.3%)	0.02	5,345 (62.8%)	5,375 (63.2%)	-0.01	7,718 (59.4%)	7,734 (59.6%)	0.00
Race												
White; n (%)							7,144 (83.9%)	7,136 (83.8%)		7,144 (83.9%)	7,136 (83.8%)	0.00
Black; n (%)							932 (11.0%)	947 (11.1%)		932 (11.0%)	947 (11.1%)	0.0
Asian; n (%)							81 (1.0%)	77 (0.9%)		81 (1.0%)	77 (0.9%)	0.00
Hispanic; n (%)							188 (2.2%)	192 (2.3%)		188 (2.2%)	192 (2.3%)	0.00
North American Native; n (%)							33 (0.4%)	31 (0.4%)		33 (0.4%)	31 (0.4%)	0.00
Other/Unknown; n (%)							133 (1.6%)	128 (1.5%)		133 (1.6%)	128 (1.5%)	0.00
Region without zero category- United v3 (lumping missing&other category with West)												
Northeast; n (%)	182 (11.6%)	189 (12.0%)	-0.01	490 (16.9%)	522 (18.0%)	-0.03	1,623 (19.1%)	1,606 (18.9%)	0.01	2,295 (17.7%)	2.317 (17.8%)	0.00
South; n (%)	662 (42.0%)	664 (42.2%)	0.00	808 (27.9%)	829 (28.6%)	-0.03	3,508 (41.2%)	3,470 (40.8%)	0.01	4,978 (38.3%)	4,963 (38.2%)	0.00
Midwest: n (%)	391 (24.8%)	383 (24.3%)	0.00	1,249 (43.1%)	1,191 (41.1%)	-0.02	2,049 (24.1%)	2,086 (24.5%)	-0.01	4,978 (38.3%) 3,689 (28.4%)	4,963 (38.2%) 3.660 (28.2%)	0.00
West; n (%)	340 (21.6%)	339 (21.5%)	0.00	309 (10.7%)	320 (11.0%)	-0.01	1,331 (15.6%)	1,349 (15.9%)	-0.01	1,980 (15.2%)	2.008 (15.5%)	-0.01
Unknown+missing; n (%)	540 (21.0/0) N/A	N/A	#VALUE!	43 (1.5%)	37 (1.3%)	0.02	1,551 (15.0%) N/A	1,545 (15.5%) N/A	#VALUE!	43 (1.5%)	37 (1.3%)	0.02
CV Covariates	176	19/8	WALCE:	45 (1.570)	57 (1.5%)	0.02	19/8	N/A	WALCE:	45 (1.576)	57 (1.576)	0.02
Ischemic heart disease; n (%)	225 (14.3%)	234 (14.9%)	-0.02	309 (10.7%)	296 (10.2%)	0.02	1,805 (21.2%)	1,799 (21.1%)	0.00	2,339 (18.0%)	2,329 (17.9%)	0.00
Acute MI: n (%)	15 (1.0%)	19 (1.2%)	-0.02	51 (1.8%)	41 (1.4%)	0.03	129 (1.5%)	123 (1.4%)	0.01	195 (1.5%)	183 (1.4%)	0.01
ACS/unstable angina; n (%)	** (0.6%)	** (0.6%)	0.00	** (0.2%)	** (0.3%)	-0.02	55 (0.6%)	55 (0.6%)	0.00	#VALUE!	#VALUE!	#VALUE
Old MI; n (%)	48 (3.0%)	42 (2.7%)	0.02	44 (1.5%)	38 (1.3%)	0.02	402 (4.7%)	389 (4.6%)	0.00	494 (3.8%)	469 (3.6%)	0.01
Stable angina: n (%)	28 (1.8%)	34 (2.2%)	-0.03	46 (1.6%)	39 (1.3%)	0.03	155 (1.8%)	162 (1.9%)	-0.01	229 (1.8%)	235 (1.8%)	0.00
Coronary atherosclerosis and other forms of chronic												
ischemic heart disease; n (%)	196 (12.4%)	204 (13.0%)	-0.02	256 (8.8%)	242 (8.3%)	0.02	1,624 (19.1%)	1,620 (19.0%)	0.00	2,076 (16.0%)	2,066 (15.9%)	0.00
Other atherosclerosis with ICD10 v2 Copy; n (%)	16 (1.0%)	17 (1.1%)	-0.01	31 (1.1%)	15 (0.5%)	0.07	124 (1.5%)	84 (1.0%)	0.05	171 (1.3%)	116 (0.9%)	0.04
Previous cardiac procedure (CABG or PTCA or Stent)												
v4; n (%)	** (0.5%)	** (0.3%)	0.03	17 (0.6%)	12 (0.4%)	0.03	54 (0.6%)	35 (0.4%)	0.03	#VALUE!	#VALUE!	#VALUE!
History of CABG or PTCA; n (%)	56 (3.6%)	74 (4.7%)	-0.06	42 (1.4%)	43 (1.5%)	-0.01	618 (7.3%)	639 (7.5%)	-0.01	716 (5.5%)	756 (5.8%)	-0.01
Any stroke; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	000 (0.0%)	#DIV/0!
Ischemic stroke (w and w/o mention of cerebral												
infarction); n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	000 (0.0%)	#DIV/0!
Hemorrhagic stroke; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	000 (0.0%)	0 (0.0%)	#DIV/0
TIA; n (%)	12 (0.8%)	15 (1.0%)	-0.02	28 (1.0%)	25 (0.9%)	0.01	95 (1.1%)	103 (1.2%)	-0.01	135 (1.0%)	143 (1.1%)	-0.01
Other cerebrovascular disease; n (%)	22 (1.4%)	29 (1.8%)	-0.03	23 (0.8%)	29 (1.0%)	-0.02	178 (2.1%)	183 (2.2%)	-0.01	223 (1.7%)	241 (1.9%)	-0.02
Cerebrovascular procedure; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	000 (0.0%)	0 (0.0%)	#DIV/0!
Heart failure (CHF); n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	** (0.1%)	** (0.0%)	0.04	<11 (0.0%)	<11 (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Peripheral Vascular Disease (PVD) or PVD Surgery v2;												
n (%)	183 (11.6%)	189 (12.0%)	-0.01	329 (11.3%)	325 (11.2%)	0.00	1,107 (13.0%)	1,097 (12.9%)	0.00	1,619 (12.5%)	1,611 (12.4%)	0.00
Atrial fibrillation; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	000 (0.0%)	#DIV/0!
Other cardiac dysrhythmia; n (%)	174 (11.0%)	182 (11.6%)	-0.02	305 (10.5%)	296 (10.2%)	0.01	1,118 (13.1%)	1,099 (12.9%)	0.01	1,597 (12.3%)	1,577 (12.1%)	0.01
Cardiac conduction disorders; n (%)	64 (4.1%)	64 (4.1%)	0.00	86 (3.0%)	87 (3.0%)	0.00	466 (5.5%)	523 (6.1%)	-0.03	616 (4.7%)	674 (5.2%)	-0.02
Other CVD; n (%)	272 (17.3%)	261 (16.6%)	0.02	430 (14.8%)	454 (15.7%)	-0.03	1,402 (16.5%)	1,367 (16.1%)	0.01	2,104 (16.2%)	2,082 (16.0%)	0.01
Diabetes-related complications	101/5 500	447 (7 49()		05 (0.001)	00 (0.0%)		474 (5 604)	454 (5.20()		672 (5.20()	CEC (E 40()	
Occurrence of Diabetic Neuropathy v2 Copy; n (%)	104 (6.6%)	117 (7.4%)	-0.03	95 (3.3%)	88 (3.0%)	0.02	474 (5.6%)	451 (5.3%)	0.01	673 (5.2%)	656 (5.1%)	0.00
Occurrence of diabetic nephropathy V3 with ICD10	54 (3.4%)	64 (4.1%)	-0.04	45 (1.6%)	44 (1.5%)	0.01	249 (2.9%)	217 (2.5%)	0.02	348 (2.7%)	325 (2.5%)	0.01
Copy; n (%)	54 (3.4%) 20 (1.3%)		-0.04		44 (1.5%) 31 (1.1%)	0.01	249 (2.9%) 241 (2.8%)	217 (2.5%) 216 (2.5%)	0.02			0.01
Hypoglycemia v2; n (%) Hyperglycemia; n (%)	20 (1.3%) 103 (6.5%)	26 (1.7%) 101 (6.4%)	-0.03	33 (1.1%) 137 (4.7%)	31 (1.1%) 134 (4.6%)	0.00	241 (2.8%) 644 (7.6%)	216 (2.5%) 648 (7.6%)	0.02	294 (2.3%) 884 (6.8%)	273 (2.1%) 883 (6.8%)	0.01
Hypergiycemia; n (%) Diabetic ketoacidosis: n (%)	103 (6.5%) 13 (0.8%)		0.00	137 (4.7%) ** (0.4%)	134 (4.6%) 15 (0.5%)	-0.01	28 (0.3%)		0.00	884 (6.8%) #VALUE!	883 (6.8%) #VALUE!	U.UU #VALUE!
	13 (0.8%)	** (0.4%)	0.05	·* (U.4%)	15 (U.5%)	-0.01	∠ð (U.3%)	29 (0.3%)	0.00	#VALUE!	#VALUE!	#VALUE!
Hypertension: 1 inpatient or 2 outpatient claims within 365 days: n (%)	1.009 (64.1%)	1.044 (66.3%)	-0.05	1,471 (50.7%)	1,490 (51.4%)	-0.01	6.804 (79.9%)	6.845 (80.4%)	-0.01	9,284 (71,5%)	9.379 (72.2%)	-0.02
Hyperlipidemia v2; n (%)	725 (46.0%)	766 (48.6%)	-0.05	952 (32.8%)	964 (33.3%)	-0.01	4,628 (54.4%)	4,625 (54.3%)	0.00	6,305 (48.6%)	6,355 (48.9%)	-0.02
Edema; n (%)	491 (31.2%)	509 (32.3%)	-0.03	952 (32.8%) 701 (24.2%)	707 (24.4%)	-0.01	2,208 (25.9%)	2,213 (26.0%)	0.00	3400 (26.2%)	3429 (26.4%)	-0.01
Renal Dysfunction (non-diabetic) v2; n (%)	491 (31.2%) 363 (23.0%)	378 (24.0%)	-0.02	452 (15.6%)	470 (16.2%)	-0.02	2,208 (25.3%) 2,153 (25.3%)	2,213 (26.0%) 2,230 (26.2%)	-0.02	2968 (22.9%)	3078 (23.7%)	-0.02
Occurrence of acute renal disease v2: n (%)	176 (11.2%)	378 (24.0%)	-0.02	452 (15.6%) 229 (7.9%)	254 (8.8%)	-0.02	2,153 (25.3%) 1.009 (11.9%)	1,028 (12.1%)	-0.02	2968 (22.9%) 1414 (10.9%)	1467 (11.3%)	-0.02
Occurrence of acute renal disease v2; n (%) Occurrence of chronic renal insufficiency; n (%)	200 (12.7%)	209 (13.3%)	-0.02	160 (5.5%)	167 (5.8%)	-0.03	1,274 (15.0%)	1,293 (15.2%)	-0.01	1634 (12.6%)	1669 (12.9%)	-0.01
Chronic kidney disease v2; n (%)	193 (12.3%)	199 (12.6%)	-0.02	150 (5.2%)	148 (5.1%)	-0.01	1,205 (14.2%)	1,224 (14.4%)	-0.01	1548 (11.9%)	1571 (12.1%)	-0.01
Chronic kidney disease v2; n (%) CKD Stage 3-4: n (%)	193 (12.3%) 117 (7.4%)	199 (12.6%) 132 (8.4%)	-0.01	73 (2.5%)	148 (5.1%) 79 (2.7%)	-0.01	1,205 (14.2%) 724 (8.5%)	1,224 (14.4%) 715 (8.4%)	-0.01	1548 (11.9%) 914 (7.0%)	1571 (12.1%) 926 (7.1%)	-0.0
CKD Stage 3-4; n (%) Occurrence of hypertensive nephropathy: n (%)	117 (7.4%)	132 (8.4%) 129 (8.2%)	-0.04	73 (2.5%) 67 (2.3%)	79 (2.7%) 73 (2.5%)	-0.01	724 (8.5%) 922 (10.8%)	715 (8.4%) 937 (11.0%)	-0.01	914 (7.0%) 1106 (8.5%)	926 (7.1%) 1139 (8.8%)	-0.0
Occurrence of nypertensive nephropathy; n (%) Occurrence of miscellaneous renal insufficiency v2; n		129 (8.2%)	-0.05	07 (2.3%)	/3(2.3%)	-0.01	522 (1U.876)	557 (11.U%)	-0.01	1100 (8.5%)	1139 (8.6%)	-0.0
(%)	123 (7.8%)	133 (8.4%)	-0.02	195 (6.7%)	199 (6.9%)	-0.01	765 (9.0%)	733 (8.6%)	0.01	1083 (8.3%)	1065 (8.2%)	0.00
(%) Other Covariates	123 (1.0.0)	100 (0.4%)	-0.02	100 (0.776)	133 (0.3%)	-0.01	, 03 (5.0%)	/ 33 (0.0%)	0.01	1003 (0.270)	1003 (0.2%)	0.00
Liver disease: n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!
Osteoarthritis; n (%)	506 (32.1%)	515 (32.7%)	-0.01	656 (22.6%)	651 (22.5%)	0.00	3,140 (36.9%)	3,181 (37.4%)	-0.01	4302 (33.1%)	4347 (33.5%)	-0.01

Other arthritis, arthropathies and musculoskeletal pain: n (%)	1,330 (84.4%)	1,329 (84.4%)	0.00	2,280 (78.6%)	2,265 (78.1%)	0.01	6,544 (76.9%)	6,553 (77.0%)	0.00	10154 (78.2%)	10147 (78.1%)	0.00
Dorsopathies: n (%)	563 (35.7%)	552 (35.0%)	0.01	948 (32.7%)	909 (31.4%)	0.03	2,792 (32.8%)	2.816 (33.1%)	-0.01	4303 (33.1%)	4277 (32.9%)	0.00
Fractures; n (%)	200 (12.7%)	197 (12.5%)	0.01	321 (11.1%)	299 (10.3%)	0.03	1,177 (13.8%)	1,110 (13.0%)	0.02	1698 (13.1%)	1606 (12.4%)	0.02
Falls v2; n (%)	178 (11.3%)	184 (11.7%)	-0.01	106 (3.7%)	104 (3.6%)	0.01	427 (5.0%)	439 (5.2%)	-0.01	711 (5.5%)	727 (5.6%)	0.02
Osteoporosis: n (%)	148 (9.4%)	154 (9.8%)	-0.01	120 (4.1%)	119 (4.1%)	0.00	1,301 (15.3%)	1,287 (15.1%)	0.01	1569 (12.1%)	1560 (12.0%)	0.00
Depression; n (%)	296 (18.8%)	315 (20.0%)	-0.03	417 (14.4%)	407 (14.0%)	0.01	1,407 (16.5%)	1,395 (16.4%)	0.00	2120 (16.3%)	2117 (16.3%)	0.00
Anxiety; n (%)	278 (17.7%)	285 (18.1%)	-0.01	412 (14.2%)	398 (13.7%)	0.01	1.230 (14.5%)	1,230 (14.5%)	0.00	1920 (14.8%)	1913 (14.7%)	0.00
Sleep_Disorder; n (%)	137 (8.7%)	152 (9.7%)	-0.03	301 (10.4%)	293 (10.1%)	0.01	602 (7.1%)	616 (7.2%)	0.00	1040 (8.0%)	1061 (8.2%)	-0.01
Dementia; n (%)	175 (11.1%)	173 (11.0%)	0.00	142 (4.9%)	131 (4.5%)	0.02	1,430 (16.8%)	1,386 (16.3%)	0.01	1747 (13.5%)	1690 (13.0%)	0.01
Delirium: n (%)	70 (4.4%)	71 (4.5%)	0.00	86 (3.0%)	86 (3.0%)	0.00	492 (5.8%)	464 (5.5%)	0.01	648 (5.0%)	621 (4.8%)	0.01
Psychosis; n (%)	51 (3.2%)	44 (2.8%)	0.02	51 (1.8%)	50 (1.7%)	0.01	346 (4.1%)	311 (3.7%)	0.02	448 (3.5%)	405 (3.1%)	0.02
Obesity; n (%)	372 (23.6%)	383 (24.3%)	-0.02	665 (22.9%)	664 (22.9%)	0.00	1,485 (17.4%)	1,452 (17.1%)	0.01	2522 (19.4%)	2499 (19.2%)	0.01
Overweight; n (%)	82 (5.2%)	78 (5.0%)	0.01	84 (2.9%)	76 (2.6%)	0.02	368 (4.3%)	383 (4.5%)	-0.01	534 (4.1%)	537 (4.1%)	0.00
Smoking; n (%)	464 (29.5%)	469 (29.8%)	-0.01	512 (17.7%)	522 (18.0%)	-0.01	2,580 (30.3%)	2,587 (30.4%)	0.00	3556 (27.4%)	3578 (27.6%)	0.00
Alcohol abuse or dependence; n (%)	52 (3.3%)	53 (3.4%)	-0.01	61 (2.1%)	59 (2.0%)	0.01	100 (1.2%)	86 (1.0%)	0.02	213 (1.6%)	198 (1.5%)	0.01
Drug abuse or dependence; n (%)	68 (4.3%)	58 (3.7%)	0.03	77 (2.7%)	78 (2.7%)	0.00	96 (1.1%)	103 (1.2%)	-0.01	241 (1.9%)	239 (1.8%)	0.01
COPD; n (%)	215 (13.7%)	228 (14.5%)	-0.02	237 (8.2%)	234 (8.1%)	0.00	1,454 (17.1%)	1,433 (16.8%)	0.01	1906 (14.7%)	1895 (14.6%)	0.00
Asthma; n (%)	156 (9.9%)	154 (9.8%)	0.00	258 (8.9%)	262 (9.0%)	0.00	765 (9.0%)	746 (8.8%)	0.01	1179 (9.1%)	1162 (8.9%)	0.01
Obstructive sleep apnea; n (%)	137 (8.7%)	145 (9.2%)	-0.02	274 (9.5%)	268 (9.2%)	0.01	485 (5.7%)	464 (5.5%)	0.01	896 (6.9%)	877 (6.8%)	0.00
Pneumonia; n (%)	133 (8.4%)	136 (8.6%)	-0.01	242 (8.3%)	232 (8.0%)	0.01	843 (9.9%)	805 (9.5%)	0.01	1218 (9.4%)	1173 (9.0%)	0.01
Other Medications												
Use of ACE inhibitors; n (%)	385 (24.4%)	394 (25.0%)	-0.01	559 (19.3%)	548 (18.9%)	0.01	2,410 (28.3%)	2,442 (28.7%)	-0.01	3354 (25.8%)	3384 (26.1%)	-0.01
Use of ARBs; n (%)	215 (13.7%)	218 (13.8%)	0.00	353 (12.2%)	369 (12.7%)	-0.02	1,572 (18.5%)	1,589 (18.7%)	-0.01	2140 (16.5%)	2176 (16.8%)	-0.01
Use of Loop Diuretics - United; n (%)	177 (11.2%)	174 (11.0%)	0.01	230 (7.9%)	241 (8.3%)	-0.01	1,423 (16.7%)	1,427 (16.8%)	0.00	1830 (14.1%)	1842 (14.2%)	0.00
Use of other diuretics- United; n (%)	19 (1.2%)	26 (1.7%)	-0.04	47 (1.6%)	45 (1.6%)	0.00	176 (2.1%)	170 (2.0%)	0.01	242 (1.9%)	241 (1.9%)	0.00
Use of nitrates-United; n (%)	35 (2.2%)	38 (2.4%)	-0.01	57 (2.0%)	47 (1.6%)	0.03	382 (4.5%)	367 (4.3%)	0.01	474 (3.7%)	452 (3.5%)	0.01
Use of other hypertension drugs; n (%)	66 (4.2%)	70 (4.4%)	-0.01	117 (4.0%)	91 (3.1%)	0.05	522 (6.1%)	528 (6.2%)	0.00	705 (5.4%)	689 (5.3%)	0.00
Use of Anti-arrhythmics; n (%)	** (0.3%)	** (0.3%)	0.00	** (0.4%)	** (0.3%)	0.02	37 (0.4%)	40 (0.5%)	-0.01	#VALUE!	#VALUE!	#VALUE!
Use of COPD/asthma meds- United; n (%)	259 (16.4%)	230 (14.6%)	0.05	414 (14.3%)	484 (16.7%)	-0.07	1,627 (19.1%)	1,601 (18.8%)	0.01	2300 (17.7%)	2315 (17.8%)	0.00
Use of statins; n (%)	498 (31.6%)	529 (33.6%)	-0.04	680 (23.5%)	699 (24.1%)	-0.01	3,519 (41.3%)	3,513 (41.3%)	0.00	4697 (36.2%)	4741 (36.5%)	-0.01
Use of other lipid-lowering drugs; n (%)	86 (5.5%)	80 (5.1%)	0.02	130 (4.5%)	146 (5.0%)	-0.02	563 (6.6%)	571 (6.7%)	0.00	779 (6.0%)	797 (6.1%)	0.00
Use of antiplatelet agents; n (%)	87 (5.5%)	86 (5.5%)	0.00	167 (5.8%)	172 (5.9%)	0.00	766 (9.0%)	749 (8.8%)	0.01	1020 (7.9%)	1007 (7.8%)	0.00
Use of heparin and other low-molecular weight	245 (15.6%)	210 (13.3%)	0.07	** (0.2%)	** (0.1%)	0.03	986 (11.6%)	906 (10.6%)	0.03	#VALUE!	#VALUE!	#VALUE!
heparins; n (%) Use of NSAIDs; n (%)	245 (15.6%) 338 (21.5%)	210 (13.3%) 335 (21.3%)	0.07	686 (23.7%)	669 (23.1%)	0.03	986 (11.6%) 1,714 (20.1%)	1,677 (19.7%)	0.03	#VALUE! 2738 (21.1%)	#VALUE! 2681 (20.6%)	#VALUE! 0.01
Use of NSAIDS; h (%) Use of oral corticosteroids; h (%)	338 (21.5%) 416 (26.4%)	335 (21.3%) 420 (26.7%)	-0.01	585 (23.7%) 748 (25.8%)	669 (23.1%) 872 (30.1%)	-0.10		2,516 (29,6%)	0.01	2738 (21.1%) 3719 (28.6%)	2681 (20.6%) 3808 (29.3%)	-0.02
Use of bisphosphonate (United); n (%)	416 (28.4%) 54 (3.4%)	420 (28.7%) 54 (3.4%)	-0.01	44 (1.5%)	49 (1.7%)	-0.02	2,555 (30.0%) 424 (5.0%)	429 (5.0%)	0.01	522 (4.0%)	532 (4.1%)	-0.02
Use of opioids- United: n (%)	830 (52.7%)	829 (52.6%)	0.00	1.743 (60.1%)	1,733 (59.8%)	-0.02	4.168 (49.0%)	4,215 (49.5%)	-0.01	6741 (51.9%)	6777 (52.2%)	-0.01
Use of antidepressants: n (%)	460 (29.2%)	448 (28.4%)	0.02	717 (24.7%)	709 (24.5%)	0.00	2,420 (28.4%)	2,431 (28.6%)	0.00	3597 (27.7%)	3588 (27.6%)	0.00
Use of antipsychotics: n (%)	85 (5.4%)	448 (28.4%) 81 (5.1%)	0.01	115 (4.0%)	115 (4.0%)	0.00	579 (6.8%)	570 (6.7%)	0.00	779 (6.0%)	766 (5.9%)	0.00
Labs	05 (5.470)	01(5.170)	0.01	115 (4.076)	115 (4.070)	0.00	575 (0.070)	570 (0.778)	0.00	4,474	4,474	0.00
Lab values- HbA1c (%) v3; n (%)	190 (12.1%)	169 (10.7%)	0.04	29 (1.0%)	29 (1.0%)	0.00	N/A	N/A	#VALUE!	219 (4.9%)	198 (4.4%)	0.02
Lab values- HbA1c (%) (within 3 months) v3; n (%)	110 (7.0%)	103 (6.5%)	0.02	17 (0.6%)	19 (0.7%)	-0.01	N/A	N/A	#VALUE!	127 (2.8%)	122 (2.7%)	0.01
Lab values- HbA1c (%) (within 6 months) v3; n (%)	190 (12.1%)	169 (10.7%)	0.04	29 (1.0%)	29 (1.0%)	0.00	N/A	N/A	#VALUE!	219 (4.9%)	198 (4.4%)	0.02
Lab values- BNP; n (%)	** (0.4%)	** (0.5%)	-0.01	0 (0.0%)	** (0.1%)	-0.04	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- BNP (within 3 months): n (%)	** (0.4%)	** (0.4%)	0.00	0 (0.0%)	** (0.1%)	-0.04	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- BNP (within 6 months); n (%)	** (0.4%)	** (0.5%)	-0.01	0 (0.0%)	** (0.1%)	-0.04	N/A	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- BUN (mg/dl); n (%)	437 (27.7%)	449 (28.5%)	-0.02	35 (1.2%)	55 (1.9%)	-0.06	N/A	N/A	#VALUE!	472 (10.5%)	504 (11.3%)	-0.03
Lab values- BUN (mg/dl) (within 3 months); n (%)	290 (18.4%)	322 (20.4%)	-0.05	23 (0.8%)	39 (1.3%)	-0.05	N/A	N/A	#VALUE!	313 (7.0%)	361 (8.1%)	-0.04
Lab values- BUN (mg/dl) (within 6 months); n (%)	437 (27.7%)	449 (28.5%)	-0.02	35 (1.2%)	55 (1.9%)	-0.06	N/A	N/A	#VALUE!	472 (10.5%)	504 (11.3%)	-0.03
Lab values- Creatinine (mg/dl) v2; n (%)	452 (28.7%)	466 (29.6%)	-0.02	38 (1.3%)	59 (2.0%)	-0.05	N/A	N/A	#VALUE!	490 (11.0%)	525 (11.7%)	-0.02
Lab values- Creatinine (mg/dl) (within 3 months) v2;												
n (%)	301 (19.1%)	337 (21.4%)	-0.06	25 (0.9%)	42 (1.4%)	-0.05	N/A	N/A	#VALUE!	326 (7.3%)	379 (8.5%)	-0.04
Lab values- Creatinine (mg/dl) (within 6 months) v2;												
n (%)	452 (28.7%)	466 (29.6%)	-0.02	38 (1.3%)	59 (2.0%)	-0.05	N/A	N/A	#VALUE!	490 (11.0%)	525 (11.7%)	-0.02
Lab values- HDL level (mg/dl); n (%)	242 (15.4%)	263 (16.7%)	-0.04	21 (0.7%)	32 (1.1%)	-0.04	N/A	N/A	#VALUE!	263 (5.9%)	295 (6.6%)	-0.03
Lab values- HDL level (mg/dl) (within 3 months); n (%)	123 (7.8%)	146 (9.3%)	-0.05	** (0.2%)	19 (0.7%)	-0.07	N/A	N/A	#VALUE!	#VALUE!	165 (3.7%)	#VALUE!
Lab values- HDL level (mg/dl) (within 6 months); n (%)	242 (15.4%)	263 (16.7%)	-0.04	21 (0.7%)	32 (1.1%)	-0.04	N/A	N/A	#VALUE!	263 (5.9%)	295 (6.6%)	-0.03
Lab values- LDL level (mg/dl) v2; n (%)	244 (15.5%)	264 (16.8%)	-0.04	24 (0.8%)	32 (1.1%)	-0.03	N/A	N/A	#VALUE!	268 (6.0%)	296 (6.6%)	-0.02
Lab values- LDL level (mg/dl) (within 3 months) v2; n				** /* ***	(							
(%) Lab values- LDL level (mg/dl) (within 6 months) v2; n	128 (8.1%)	145 (9.2%)	-0.04	** (0.3%)	18 (0.6%)	-0.04	N/A	N/A	#VALUE!	#VALUE!	163 (3.6%)	#VALUE!
	244 (15.5%)	264 (16.8%)	-0.04	24 (0.8%)	32 (1.1%)	-0.03	N/A	N/A	#VALUE!	268 (6.0%)	296 (6.6%)	-0.02
(%) Lab values- NT-proBNP; n (%)	244 (15.5%) ** (0.1%)	264 (16.8%) ** (0.1%)	-0.04	24 (0.8%)	32 (1.1%) 0 (0.0%)	-0.03 #DIV/01	N/A N/A	N/A N/A	#VALUE! #VALUE!	268 (6.0%) #VALUE!	296 (6.6%) #VALUE!	-0.02 #VALUE!
Lab values- NT-proBNP; n (%) Lab values- NT-proBNP (within 3 months); n (%)	** (0.1%)	** (0.1%)	0.00	0 (0.0%)	0 (0.0%)	#DIV/0!	N/A N/A	N/A N/A	#VALUE! #VALUE!	#VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!
Lab values- NT-proBNP (within 6 months); n (%)	** (0.1%)	** (0.1%)	0.00	0 (0.0%)	0 (0.0%)	#DIV/0!	N/A N/A	N/A N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Lab values- N I-probNP (within 6 months); h (%) Lab values- Total cholesterol (mg/dl) v2; h (%)	245 (15.6%)	263 (16.7%)	-0.03	20 (0.7%)	32 (1.1%)	#DIV/0! -0.04	N/A N/A	N/A N/A	#VALUE! #VALUE!	#VALUE! 265 (5.9%)	#VALUE! 295 (6.6%)	#VALUE! -0.03
Lab values- Total cholesterol (mg/dl) v2; n (%) Lab values- Total cholesterol (mg/dl) (within 3	243 (13.0%)	203 (10.770)	-0.05	20 (0.776)	32 (1.1%)	-0.04	iny A	in/A	#VALUE:	203 (3.3%)	255 (0.0%)	-0.03
months) v2: n (%)	125 (7.9%)	145 (9.2%)	-0.05	** (0.2%)	19 (0.7%)	-0.07	N/A	N/A	#VALUE!	#VALUE!	164 (3.7%)	#VALUE!
Lab values- Total cholesterol (mg/dl) (within 6		(	2.00	(0.270)		5.67					(5.7,0)	
months) v2; n (%)	245 (15.6%)	263 (16.7%)	-0.03	20 (0.7%)	32 (1.1%)	-0.04	N/A	N/A	#VALUE!	265 (5.9%)	295 (6.6%)	-0.03
Lab values-Triglyceride level (mg/dl); n (%)	244 (15.5%)	265 (16.8%)	-0.04	21 (0.7%)	32 (1.1%)	-0.04	N/A	N/A	#VALUE!	265 (5.9%)	297 (6.6%)	-0.03
Lab values- Triglyceride level (mg/dl) (within 3												
months); n (%)	126 (8.0%)	146 (9.3%)	-0.05	** (0.2%)	18 (0.6%)	-0.06	N/A	N/A	#VALUE!	#VALUE!	164 (3.7%)	#VALUE!

Lab values- Triglyceride level (mg/dl) (within 6												
months); n (%)	244 (15.5%)	265 (16.8%)	-0.04	21 (0.7%)	32 (1.1%)	-0.04	N/A	N/A	#VALUE!	265 (5.9%)	297 (6.6%)	-0.03
Lab result number- HbA1c (%) mean (only 2 to 20												
included) v4	189	169		27	28		N/A	N/A		216	197	
mean (sd)	6.88 (1.71)	6.69 (1.48)	0.12	7.17 (1.18)	7.17 (1.32)	0.00	N/A	N/A	#VALUE!	6.92 (1.66)	6.76 (1.46)	0.10
Missing; n (%)	1,386 (88.0%)	1,406 (89.3%)	-0.04	2,872 (99.1%)	2,871 (99.0%)	0.01	N/A	N/A	#VALUE!	4,258 (95.2%)	4,277 (95.6%)	-0.02
Lab result number- BNP mean v2	7 94.99 (97.03)	8 197.30 (393.25)	-0.36	-	2 32.00 (28.28)	#VALUE!	N/A	N/A N/A	#VALUE!	7 #VALUE!	10 164.24 (393.40)	#VALUE!
mean (sd) Missing; n (%)	94.99 (97.03) 1,568 (99.6%)	1,567 (99.5%)	-0.36	- (-) 2,899 (100.0%)	2,897 (99.9%)	#VALUE! 0.04	N/A N/A	N/A N/A	#VALUE! #VALUE!	#VALUE! 4,467 (99.8%)	4,464 (99.8%)	#VALUE! 0.00
Lab result number- BUN (mg/dl) mean v2	1,568 (99.6%)	1,567 (99.5%)	0.01	2,899 (100.0%)	2,897 (99.9%)	0.04	N/A N/A	N/A N/A	#VALUE!	4,467 (99.8%)	4,464 (99.8%)	0.00
mean (sd)	18.11 (8.11)	17.57 (7.17)	0.07	17.18 (8.16)	16.40 (6.60)	0.11	N/A N/A	N/A N/A	#VALUE!	18.04 (8.12)	17.44 (7.12)	0.08
Missing; n (%)	1,138 (72.3%)	1,126 (71.5%)	0.02	2.864 (98.8%)	2.844 (98.1%)	0.06	N/A	N/A	#VALUE!	4,002 (89.5%)	3,970 (88.7%)	0.03
Lab result number- Creatinine (mg/dl) mean (only 0.1	1,150 (72.570)	1,120 (7 1.570)	0.02	2,004 (50.070)	2,044 (50.270)	0.00			in the color	4,002 (05.576)	5,570 (00.770)	0.05
to 15 included) v3	447	460		37	57		N/A	N/A		484	517	
mean (sd)	0.99 (0.36)	0.97 (0.28)	0.06	0.95 (0.32)	0.95 (0.28)	0.00	N/A	N/A	#VALUE!	0.99 (0.36)	0.97 (0.28)	0.06
Missing; n (%)	1,128 (71.6%)	1,115 (70.8%)	0.02	2,862 (98.7%)	2,842 (98.0%)	0.05	N/A	N/A	#VALUE!	3,990 (89.2%)	3,957 (88.4%)	0.03
Lab result number- HDL level (mg/dl) mean (only												
=<5000 included) v2	242	263		21	32		N/A	N/A		263	295	
mean (sd)	52.41 (17.47)	53.27 (16.64)	-0.05 0.04	48.62 (13.24)	44.83 (11.26)	0.31	N/A	N/A	#VALUE! #VALUE!	52.11 (17.22)	52.35 (16.18)	-0.01 0.03
Missing; n (%)	1,333 (84.6%)	1,312 (83.3%)	0.04	2,878 (99.3%)	2,867 (98.9%)	0.04	N/A	N/A	#VALUE!	4,211 (94.1%)	4,179 (93.4%)	0.03
Lab result number- LDL level (mg/dl) mean (only =<5000 included) v2	239	262		21	30		N/A	N/A		260	292	
mean (sd)	101.44 (33.15)	100.96 (36.42)	0.01	103.33 (25.48)	94.27 (29.11)	0.33	N/A	N/A	#VALUE!	101.59 (32.68)	100.27 (35.82)	0.04
Missing; n (%)	1,336 (84.8%)	1,313 (83.4%)	0.04	2,878 (99.3%)	2,869 (99.0%)	0.03	N/A	N/A	#VALUE!	4,214 (94.2%)	4,182 (93.5%)	0.03
Lab result number- Total cholesterol (mg/dl) mean												
(only =<5000 included) v2	245	263		20	32		N/A	N/A		265	295	
mean (sd)	180.67 (41.98)	181.58 (40.29)	-0.02	180.45 (27.83)	180.69 (46.88)	-0.01	N/A	N/A	#VALUE!	180.65 (41.20)	181.48 (41.11)	-0.02
Missing; n (%)	1,330 (84.4%)	1,312 (83.3%)	0.03	2,879 (99.3%)	2,867 (98.9%)	0.04	N/A	N/A	#VALUE!	4,209 (94.1%)	4,179 (93.4%)	0.03
Lab result number-Triglyceride level (mg/dl) mean	244											
(only =<5000 included) v2 mean (sd)	244 134.91 (69.13)	265 136.25 (69.41)	-0.02	21 143.67 (74.18)	32 177.70 (98.70)	-0.39	N/A N/A	N/A N/A	#VALUE!	265 135.60 (69.66)	<mark>297</mark> 140.72 (73.17)	-0.07
Missing; n (%)	1,331 (84.5%)	1,310 (83.2%)	-0.02	2,878 (99.3%)	2,867 (98.9%)	-0.39	N/A N/A	N/A N/A	#VALUE!	4,209 (94.1%)	4,177 (93.4%)	-0.07
Lab result number- Hemoglobin mean (only >0	1,551 (64.576)	1,510 (05.270)	0.04	2,070 (55.570)	2,007 (50.570)	0.04	17/5	N/A	WALCE:	4,205 (54.170)	4,177 (55.470)	0.05
included)	368	376		25	49		N/A	N/A		393	425	
mean (sd)	13.18 (1.94)	13.23 (1.89)	-0.03	12.30 (3.19)	12.67 (3.06)	-0.12	N/A	N/A	#VALUE!	13.12 (2.04)	13.17 (2.06)	-0.02
Missing; n (%)	1,207 (76.6%)	1,199 (76.1%)	0.01	2,874 (99.1%)	2,850 (98.3%)	0.07	N/A	N/A	#VALUE!	4,081 (91.2%)	4,049 (90.5%)	0.02
Lab result number-Serum sodium mean (only > 90												
and < 190 included)	431	438		35	53		N/A	N/A		466	491	
mean (sd)	140.16 (2.94)	140.09 (2.65)	0.03	139.41 (2.22)	138.69 (3.08)	0.27	N/A	N/A	#VALUE!	140.10 (2.90)	139.94 (2.70)	0.06
Missing; n (%)	1,144 (72.6%)	1,137 (72.2%)	0.01	2,864 (98.8%)	2,846 (98.2%)	0.05	N/A	N/A	#VALUE!	4,008 (89.6%)	3,983 (89.0%)	0.02
Lab result number- Albumin mean (only >0 and <=10 included)	393	384		27	45		N/A	N/A		420	429	
mean (sd)	4.07 (0.42)	4.06 (0.44)	0.02	3.88 (0.89)	3.96 (0.75)	-0.10	N/A	N/A N/A	#VALUE!	4.06 (0.46)	4.05 (0.48)	0.02
Missing; n (%)	1,182 (75.0%)	1,191 (75.6%)	-0.01	2.872 (99.1%)	2.854 (98.4%)	0.06	N/A	N/A	#VALUE!	4,054 (90.6%)	4,045 (90.4%)	0.01
Lab result number- Glucose (fasting or random) mean	, ,	, ,					,	,		,,	,,	
(only 10-1000 included)	430	438		33	54		N/A	N/A		463	492	
mean (sd)	114.69 (54.46)	113.20 (40.43)	0.03	141.69 (58.99)	149.10 (79.94)	-0.11	N/A	N/A	#VALUE!	116.61 (54.85)	117.14 (46.40)	-0.01
Missing; n (%)	1,145 (72.7%)	1,137 (72.2%)	0.01	2,866 (98.9%)	2,845 (98.1%)	0.07	N/A	N/A	#VALUE!	4,011 (89.7%)	3,982 (89.0%)	0.02
Lab result number-Potassium mean (only 1-7	439	451		34	52		N/A	N/A		473	503	
included) mean (sd)	4.36 (0.43)	4.32 (0.43)	0.09	4.11 (0.33)	4.32 (0.38)	-0.59	N/A N/A	N/A N/A	#VALUE!	4.34 (0.42)	4.32 (0.43)	0.05
Missing; n (%)	1,136 (72.1%)	1,124 (71.4%)	0.02	2,865 (98.8%)	2,847 (98.2%)	0.05	N/A N/A	N/A N/A	#VALUE!	4,001 (89.4%)	3,971 (88.8%)	0.02
Comorbidity Scores	1,150 (72.170)	1,124 (7 1.470)	0.02	2,005 (50.070)	2,047 (30.270)	0.05			in the color	4,001 (05.470)	5,572 (00.070)	0.02
CCI (180 days)- ICD9 and ICD10 v2												
mean (sd)	2.24 (2.49)	2.23 (2.44)	0.00	1.54 (2.15)	1.51 (2.17)	0.01	2.33 (2.65)	2.27 (2.61)	0.02	2.14 (2.53)	2.10 (2.50)	0.02
Non-Frailty; n (%)	758 (48.1%)	742 (47.1%)	0.02	1,188 (41.0%)	1,206 (41.6%)	-0.01	227 (2.7%)	162 (1.9%)	0.05	2,173 (16.7%)	2,110 (16.2%)	0.01
Frailty Score (mean): Empirical Version 365 days, v2												
mean (sd)	0.20 (0.07)	0.20 (0.07)	0.00	0.17 (0.06)	0.17 (0.06)	0.00	0.11 (0.08)	0.11(0.08)	0.00	0.13 (0.07)	0.13 (0.07)	0.00
Healthcare Utilization	4 4 74 /7 4 20/1	1 1 (0 (3 1 20))	0.00	2 000 (100 001)	2 800 /200 00/1	1011 / C	C F40 /7C 00/)	C 507 (77 50)	c	10 000 (01 70/)	10 664 /02 40/	0.01
Any hospitalization; n (%) Any hospitalization within prior 30 days; n (%)	1,171 (74.3%) 1,051 (66.7%)	1,168 (74.2%) 1,076 (68.3%)	0.00	2,898 (100.0%) 2,867 (98.9%)	2,899 (100.0%) 2,861 (98.7%)	#DIV/0! 0.02	6,540 (76.8%) 6,186 (72.7%)	6,597 (77.5%) 6,226 (73.2%)	-0.02 -0.01	10,609 (81.7%) 10104 (77.8%)	10,664 (82.1%) 10163 (78.3%)	-0.01 -0.01
Any hospitalization within prior 30 days; n (%) Any hospitalization during prior 31-180 days; n (%)	285 (18.1%)	260 (16.5%)	0.03	2,867 (98.9%) 345 (11.9%)	2,861 (98.7%) 385 (13.3%)	-0.04	1,609 (18,9%)	1.500 (17.6%)	-0.01	2239 (17.2%)	2145 (16.5%)	-0.01
Internal medicine/family medicine visits; n (%)	1,414 (89.8%)	1,433 (91.0%)	-0.04	2,306 (79.5%)	2,292 (79.1%)	0.04	7,909 (92.9%)	8,030 (94.3%)	-0.06	11629 (89.6%)	11755 (90.5%)	-0.03
Internal medicine/family medicine visits (30 days	1,414 (05.070)	1,455 (51.676)	0.04	2,500 (75.576)	2,232 (73.270)	0.01	7,505 (52.570)	0,000 (04.070)	0.00	11023 (05.070)	11/00 (00.070)	0.05
prior) v2; n (%)	1,257 (79.8%)	1,288 (81.8%)	-0.05	1,654 (57.1%)	1,591 (54.9%)	0.04	7,300 (85.8%)	7,400 (86.9%)	-0.03	10211 (78.6%)	10279 (79.2%)	-0.01
Internal medicine/family medicine visits (31 to 180												
days prior) v2; n (%)	1,105 (70.2%)	1,103 (70.0%)	0.00	1,893 (65.3%)	1,870 (64.5%)	0.02	6,307 (74.1%)	6,289 (73.9%)	0.00	9305 (71.7%)	9262 (71.3%)	0.01
Cardiologist visit; n (%)	681 (43.2%)	702 (44.6%)	-0.03	626 (21.6%)	642 (22.1%)	-0.01	4,247 (49.9%)	4,211 (49.5%)	0.01	5554 (42.8%)	5555 (42.8%)	0.00
Number of Cardiologist visits (30 days prior); n (%)	496 (31.5%)	500 (31.7%)	0.00	377 (13.0%)	359 (12.4%)	0.02	3,097 (36.4%)	3,041 (35.7%)	0.01	3970 (30.6%)	3900 (30.0%)	0.01
Number of Cardiologist visits (31 to 180 days prior); n (%)	315 (20.0%)	327 (20.8%)	-0.02	351 (12.1%)	355 (12.2%)	0.00	2,225 (26.1%)	2,169 (25.5%)	0.01	2891 (22.3%)	2851 (22.0%)	0.01
Electrocardiogram v2; n (%)	897 (57.0%)	888 (56.4%)	-0.02	1,056 (36.4%)	1,062 (36.6%)	0.00	5,347 (62.8%)	5,402 (63.5%)	-0.01	7300 (56.2%)	7352 (56.6%)	-0.01
Use of glucose test strips; n (%)	27 (1.7%)	21 (1.3%)	0.03	31 (1.1%)	30 (1.0%)	0.01	131 (1.5%)	130 (1.5%)	0.00	189 (1.5%)	181 (1.4%)	0.01
Dialysis; n (%)	** (0.1%)	0 (0.0%)	0.04	** (0.2%)	** (0.2%)	0.00	<11 (0.1%)	<11 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
number of different/distinct medication												
prescriptions												
mean (sd)	9.11 (5.28)	9.12 (5.40)	0.00	9.08 (5.24)	9.08 (5.82)	0.00	9.99 (5.30)	9.94 (5.25)	0.01	9.68 (5.28)	9.65 (5.40)	0.01
Number of Hospitalizations	0.07/0.00)	0.00 (0.04)	-0.02	1.29 (0.70)	1 20 (0 6 1)	0.00	1 11 (0 00)	1 10 (0 00)	0.01	1.13 (0.86)	1.13(0.83)	0.00
mean (sd)	0.97 (0.80)	0.99 (0.84)	-0.02	1.29 (0.70)	1.29 (0.64)	0.00	1.11 (0.92)	1.10 (0.89)	0.01	1.13 (0.86)	1.13 (0.83)	0.00

Number of boundary days												
Number of hospital days mean (sd)	5.10 (5.19)	5.11 (7.06)	0.00	7.00 (6.55)	6.98 (8.63)	0.00	6.22 (6.56)	6.04 (8.07)	0.02	6.26 (6.41)	6.14 (8.08)	0.02
Number of Emergency Department (ED) visits v3	5.10 (5.15)	5.11(7.00)	0.00	7.00 (0.00)	0.50 (0.05)	0.00	0.22 (0.50)	0.04 (0.07)	0.02	0.20 (0.42)	0.14 (0.00)	0.02
mean (sd)	2.07 (2.62)	2.04 (1.86)	0.01	2.58 (5.38)	2.66 (7.21)	-0.01	2.15 (2.27)	2.12 (1.90)	0.01	2.24 (3.27)	2.23 (3.79)	0.00
Number of Office visits												
mean (sd)	5.47 (4.54)	5.63 (4.70)	-0.03	5.58 (5.27)	5.57 (5.04)	0.00	13.86 (15.96)	13.58 (15.05)	0.02	10.99 (13.25)	10.83 (12.52)	0.01
Number of internal medicine/family medicine visits												
mean (sd)	11.72 (18.22)	9.93 (12.31)	0.12	6.37 (11.98)	6.10 (10.85)	0.02	12.38 (12.28)	11.56 (12.82)	0.07	10.96 (13.08)	10.14 (12.34)	0.06
Number of Cardiologist visits												
mean (sd)	1.41 (3.19)	1.57 (3.56)	-0.05	0.60 (1.92)	0.57 (1.90)	0.02	1.91 (4.01)	1.88 (3.85)	0.01	1.56 (3.55)	1.55 (3.47)	0.00
Number electrocardiograms received v2				/	()							
mean (sd)	1.26 (1.97)	1.25 (1.69)	0.01	0.65 (1.20)	0.66 (1.17)	-0.01	1.42 (1.74)	1.40 (1.64)	0.01	1.23 (1.67)	1.22 (1.55)	0.01
Number of HbA1c tests ordered mean (sd)	0.36 (0.67)	0.34 (0.65)	0.03	0.21 (0.57)	0.22 (0.55)	-0.02	0.38 (0.71)	0.37 (0.70)	0.01	0.34 (0.68)	0.33 (0.66)	0.01
Number of glucose tests ordered	0.36 (0.67)	0.34 (0.05)	0.05	0.21(0.57)	0.22 (0.55)	-0.02	0.38 (0.71)	0.37(0.70)	0.01	0.54 (0.68)	0.33 (0.66)	0.01
mean (sd)	0.41 (5.52)	0.41 (5.16)	0.00	0.14 (0.62)	0.15 (0.64)	-0.02	0.19 (0.89)	0.18 (0.69)	0.01	0.21 (2.07)	0.20 (1.91)	0.01
Number of lipid tests ordered	0.41 (0.02)	0.41 (0.10)	0.00	0.14 (0.02)	0.15 (0.04)	0.02	0.15 (0.05)	0.10(0.05)	0.01	0.22 (2.07)	0.20 (1.51)	0.01
mean (sd)	0.49 (0.78)	0.47 (0.74)	0.03	0.35 (0.80)	0.34 (0.78)	0.01	0.53 (0.77)	0.53 (0.75)	0.00	0.48 (0.78)	0.48 (0.76)	0.00
Total N distinct ICD9/ICD10 diagnoses at the 3rd												
digit level Copy												
mean (sd)	9.94 (12.57)	10.03 (12.80)	-0.01	7.61 (11.53)	7.46 (11.79)	0.01	12.03 (13.75)	11.42 (13.25)	0.05	10.79 (13.14)	10.37 (12.88)	0.03
For PS												
Hemorrhagic stroke+Other cerebrovascular												
disease+Cerebrovascular procedure (for PS); n (%)	22 (1.4%)	29 (1.8%)	-0.03	23 (0.8%)	29 (1.0%)	-0.02	178 (2.1%)	183 (2.2%)	-0.01	223 (1.7%)	241 (1.9%)	-0.02
Major trauma potentially causing prolonged immobili	189 (12.0%)	189 (12.0%)	#DIV/0!	313 (10.8%)	301 (10.4%)	#DIV/0!	836 (9.8%)	771 (9.1%)	#DIV/0!	313 (10.8%)	301 (10.4%)	0.01
Occurrence of creatining tests ordered (for BS): = ///)	112 (7.1%)	133 (8.4%)	-0.05	183 (6.3%)	194 (6.7%)	-0.02	898 (10.6%)	898 (10.6%)	0.00	1193 (9.2%)	1225 (9.4%)	-0.01
Occurrence of creatinine tests ordered (for PS); n (%) Occurrence of BUN tests ordered (for PS): n (%)	112 (7.1%) 63 (4.0%)	133 (8.4%) 58 (3.7%)	-0.05	183 (6.3%) 109 (3.8%)	194 (6.7%) 115 (4.0%)	-0.02	898 (10.6%) 514 (6.0%)	898 (10.6%) 500 (5.9%)	0.00	1193 (9.2%) 686 (5.3%)	1225 (9.4%) 673 (5.2%)	-0.01 0.00
Occurrence of chronic renal insufficiency w/o CKD	03 (4.0%)	38 (3.776)	0.02	105 (5.6%)	113 (4.0%)	-0.01	514 (0.0%)	500 (5.5%)	0.00	080 (3.3%)	073 (3.276)	0.00
(for PS) v2; n (%)	106 (6.7%)	105 (6.7%)	0.00	96 (3.3%)	97 (3.3%)	0.00	656 (7.7%)	687 (8.1%)	-0.01	858 (6.6%)	889 (6.8%)	-0.01
Chronic kidney disease Stage 1-2 (for PS); n (%)	27 (1.7%)	30 (1.9%)	-0.02	21 (0.7%)	22 (0.8%)	-0.01	153 (1.8%)	155 (1.8%)	0.00	201 (1.5%)	207 (1.6%)	-0.01
Chronic kidney disease Stage 3-6 (for PS); n (%)	117 (7.4%)	132 (8.4%)	-0.04	73 (2.5%)	79 (2.7%)	-0.01	724 (8.5%)	715 (8.4%)	0.00	914 (7.0%)	926 (7.1%)	0.00
Acute kidney injury; n (%)	180 (11.4%)	191 (12.1%)	#DIV/0!	239 (8.2%)	264 (9.1%)	#DIV/0!	1,052 (12.4%)	1,062 (12.5%)	#DIV/0!	239 (8.2%)	264 (9.1%)	-0.03
Bladder stones+Kidney stones (for PS); n (%)	52 (3.3%)	49 (3.1%)	0.01	83 (2.9%)	89 (3.1%)	-0.01	302 (3.5%)	260 (3.1%)	0.02	437 (3.4%)	398 (3.1%)	0.02
Alcohol abuse or dependence+Drug abuse or												
dependence (for PS); n (%)	114 (7.2%)	105 (6.7%)	0.02	132 (4.6%)	129 (4.4%)	0.01	186 (2.2%)	179 (2.1%)	0.01	432 (3.3%)	413 (3.2%)	0.01
Other atherosclerosis+Cardiac conduction												
disorders+Other CVD (for PS) v2 Copy; n (%) Previous cardiac procedure (CABG or PTCA or Stent) +	327 (20.8%)	310 (19.7%)	0.03	506 (17.5%)	526 (18.1%)	-0.02	1,794 (21.1%)	1,779 (20.9%)	0.00	2627 (20.2%)	2615 (20.1%)	0.00
History of CABG or PTCA (for PS) v3; n (%)	59 (3.7%)	74 (4.7%)	-0.05	54 (1.9%)	51 (1.8%)	0.01	631 (7.4%)	648 (7.6%)	-0.01	744 (5.7%)	773 (6.0%)	-0.01
Diabetes with complication; n (%)	192 (12.2%)	203 (12.9%)	#DIV/0!	230 (7.9%)	233 (8.0%)	#DIV/0!	1,003 (11.8%)	973 (11.4%)	#DIV/0!	230 (7.9%)	233 (8.0%)	0.00
Delirium + Psychosis (for PS); n (%)	107 (6.8%)	100 (6.3%)	0.02	123 (4.2%)	121 (4.2%)	0.00	729 (8.6%)	682 (8.0%)	0.02	959 (7.4%)	903 (7.0%)	0.02
Any use of Meglitinides (for PS); n (%)	** (0.1%)	** (0.3%)	-0.04	** (0.1%)	** (0.1%)	0.00	22 (0.3%)	33 (0.4%)	-0.02	#VALUE!	#VALUE!	#VALUE!
Any use of AGIs (for PS); n (%)	0 (0.0%)	** (0.2%)	-0.06	0 (0.0%)	** (0.1%)	-0.04	<11 (0.1%)	<11 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
CKD stage 3-6 + dialysis (for PS); n (%)	120 (7.6%)	133 (8.4%)	-0.03	78 (2.7%)	85 (2.9%)	-0.01	730 (8.6%)	721 (8.5%)	0.00	928 (7.1%)	939 (7.2%)	0.00
Use of thiazide; n (%)	149 (9.5%)	147 (9.3%)	0.01	211 (7.3%)	195 (6.7%)	0.02	907 (10.7%)	938 (11.0%)	-0.01	1267 (9.8%)	1280 (9.9%)	0.00
Use of beta blockers; n (%)	366 (23.2%)	379 (24.1%)	-0.02	562 (19.4%)	546 (18.8%)	0.02	2,831 (33.3%)	2,870 (33.7%)	-0.01	3759 (28.9%)	3795 (29.2%)	-0.01
Use of calcium channel blockers; n (%)	297 (18.9%)	313 (19.9%)	-0.03	437 (15.1%)	441 (15.2%)	0.00	2,270 (26.7%)	2,240 (26.3%)	0.01	3004 (23.1%)	2994 (23.1%)	0.00
All antidiabetic medications except Insulin; n (%)	241 (15.3%)	239 (15.2%)	0.00	337 (11.6%)	359 (12.4%)	-0.02	1,433 (16.8%)	1,454 (17.1%)	-0.01	2011 (15.5%)	2052 (15.8%)	-0.01
DM Medications - Insulin Copy; n (%)	96 (6.1%)	96 (6.1%)	0.00	141 (4.9%)	153 (5.3%)	-0.02	380 (4.5%)	421 (4.9%)	-0.02	617 (4.8%)	670 (5.2%)	-0.02
Use of Low Intensity Statins; n (%) Use of High Intensity Statins; n (%)	312 (19.8%) 190 (12.1%)	344 (21.8%) 190 (12.1%)	-0.05 0.00	391 (13.5%) 284 (9.8%)	430 (14.8%) 271 (9.3%)	-0.04 0.02	2,353 (27.6%) 1,202 (14.1%)	2,373 (27.9%) 1,200 (14.1%)	-0.01 0.00	3056 (23.5%) 1676 (12.9%)	3147 (24.2%) 1661 (12.8%)	-0.02 0.00
Malignant hypertension; n (%)	107 (6.8%)	152 (9.7%)	-0.11	284 (9.8%) 966 (33.3%)	1,037 (35.8%)	-0.05	2,872 (33.7%)	3,118 (36.6%)	-0.06	3945 (30.4%)	4307 (33.2%)	-0.06
Cardiovascular stress test; n (%)	** (0.4%)	** (0.1%)	0.11	** (0.2%)	1,037 (35.8%) 12 (0.4%)	-0.05	2,872 (33.7%) 58 (0.7%)	37 (0.4%)	-0.06	#VALUE!	4307 (33.2%) #VALUE!	-0.06 #VALUE!
Echocardiogram; n (%)	278 (17.7%)	320 (20.3%)	-0.07	544 (18.8%)	574 (19.8%)	-0.03	1,743 (20.5%)	1,815 (21.3%)	-0.02	2565 (19.8%)	2709 (20.9%)	-0.03
Number of BNP tests	/	(/		()			, ,,,	,,		(/	- ()	
mean (sd)	0.08 (0.35)	0.08 (0.30)	0.00	0.04 (0.21)	0.05 (0.25)	-0.04	0.09 (0.34)	0.09 (0.34)	0.00	0.08 (0.32)	0.08 (0.32)	0.00
Number of Cardiac biomarkers tests (tropnin, CK-MBs, Myogle												
mean (sd)	0.31 (1.04)	0.37 (1.19)	-0.05	0.24 (0.91)	0.26 (0.93)	-0.02	0.23 (0.59)	0.23 (0.58)	0.00	0.24 (0.74)	0.25 (0.77)	0.00
Number of Ambulatory Blood pressure monitoring tests	0.00 (0.05)	0.00(0.00)	0.00	0.00 (0.00)	0.00(0.00)		0.00(0.00)	0.00(0.05)		0.00 (0.00)	0.00(0.05)	0.00
mean (sd)	0.00 (0.05)	0.00 (0.00)	0.00	0.00 (0.02)	0.00 (0.03)	0.00	0.00 (0.03)	0.00 (0.06)	0.00	0.00 (0.03)	0.00 (0.05)	0.00
N of days on antihypertensive medications during baseline												
mean (sd)	80.03 (79.04)	83.44 (80.30)	-0.04	62.02 (76.84)	61.63 (76.67)	0.01	105.69 (77.60)	106.89 (77.05)	-0.02	92.83 (77.61)	93.94 (77.37)	0.00
N of days in database anytime prior	00.05 (75.04)	00.44 (00.00)	0.04	02.02() 0.04)	01.05(70.07)	0.01	105.05 (77.00)	100.05 (77.05)	0.02	52.05(77.02)	55.54 (77.57)	0.00
	,668.43 (1,266.59)	1,713.11 (1,303.00)	-0.03	1,982.39 (1,383.61)	2,031.47 (1,419.09)	-0.04	628.51 (384.70)	605.19 (348.57)	0.06	1056.91 (847.86)	1058.00 (857.35)	0.00
					,		,	. ,				
Mean Copay for per prescription cost (charges in U.S. \$) (180-												
mean (sd)	23.17 (31.74)	23.95 (33.91)	-0.02	14.78 (20.67)	14.89 (66.84)	0.00	108.61 (103.27)	109.54 (113.72)	-0.01	77.30 (84.90)	78.03 (98.05)	0.00
Missing; n (%)	94 (6.0%)	90 (5.7%)	0.01	210 (7.2%)	221 (7.6%)	-0.02	286 (3.4%)	297 (3.5%)	-0.01	590 (4.5%)	608 (4.7%)	-0.01
Colonoscopy; n (%)	61 (3.9%)	61 (3.9%)	0.00	127 (4.4%)	121 (4.2%)	0.01	353 (4.1%)	333 (3.9%)	0.01	541 (4.2%)	515 (4.0%)	0.01
Fecal occult blood (FOB) test; n (%)	52 (3.3%)	54 (3.4%)	-0.01	76 (2.6%)	76 (2.6%)	0.00	244 (2.9%)	224 (2.6%)	0.02	372 (2.9%)	354 (2.7%)	0.01
Flu vaccine; n (%)	253 (16.1%)	238 (15.1%)	0.03	270 (9.3%)	279 (9.6%)	-0.01	2,434 (28.6%)	2,417 (28.4%)	0.00	2957 (22.8%)	2934 (22.6%)	0.00
Mammogram; n (%)	154 (9.8%)	155 (9.8%)	0.00	262 (9.0%)	253 (8.7%)	0.01	898 (10.6%)	887 (10.4%)	0.01	1314 (10.1%)	1295 (10.0%)	0.00
Pap smear; n (%)	62 (3.9%) 213 (13.5%)	51 (3.2%) 220 (14.0%)	-0.01	199 (6.9%) 173 (6.0%)	195 (6.7%) 164 (5.7%)	0.01	215 (2.5%) 1,654 (19.4%)	206 (2.4%) 1,602 (18.8%)	0.01	476 (3.7%) 2040 (15.7%)	452 (3.5%) 1986 (15.3%)	0.01 0.01
Pneumonia vaccine; n (%)	213(13.3%)	220 (14.0%)	-0.01	1/5 (0.0%)	104 (3.7%)	0.01	1,034 (13.4%)	1,002 (10.0%)	0.02	2040 (13.7%)	1500 (15.3%)	0.01

PSA test or Prostate exam for DRE; n (%)	157 (10.0%)	154 (9.8%)	0.01	234 (8.1%)	237 (8.2%)	0.00	886 (10.4%)	872 (10.2%)	0.01	1277 (9.8%)	1263 (9.7%)	0.00
Bone mineral density; n (%)	67 (4.3%)	60 (3.8%)	0.03	51 (1.8%)	49 (1.7%)	0.01	382 (4.5%)	381 (4.5%)	0.00	500 (3.9%)	490 (3.8%)	0.01
Use of CNS stimulants: n (%)	15 (1.0%)	** (0.6%)	0.04	47 (1.6%)	59 (2.0%)	-0.03	35 (0.4%)	34 (0.4%)	0.00	97 (0.7%)	#VALUE!	#VALUE!
Use of estrogens, progestins, androgens; n (%)	86 (5.5%)	78 (5.0%)	0.02	355 (12.2%)	323 (11.1%)	0.03	311 (3.7%)	299 (3.5%)	0.01	752 (5.8%)	700 (5.4%)	0.02
Use of Angiogenesis inhibitors; n (%)	0 (0.0%)	** (0.1%)	-0.04	** (0.1%)	** (0.2%)	-0.03	10 (0.1%)	8 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
				(····)				/				#VALUE! #VALUE!
Use of Oral Immunosuppressants; n (%)	** (0.6%)	** (0.3%)	0.04	27 (0.9%)	13 (0.4%)	0.06	6 (0.1%)	12 (0.1%)	0.00	#VALUE! #VALUE!	#VALUE! #VALUE!	#VALUE! #VALUE!
Use of fondaparinux or Bivalirudin; n (%)	** (0.5%)	** (0.4%)	0.01	20 (0.7%)	16 (0.6%)	0.01	19 (0.2%)	24 (0.3%)	-0.02	#VALUE!	#VALUE!	#VALUE!
Use of other direct thrombin inhibitors (lepirudin, des	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!
Use of Ticagrelor ON CED; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	** (0.1%)	** (0.1%)	0.00	1 (0.0%)	1 (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Use of Ticagrelor; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	** (0.1%)	** (0.1%)	0.00	14 (0.2%)	12 (0.1%)	0.03	#VALUE!	#VALUE!	#VALUE!
Number of D-dimer tests												
mean (sd)	0.08 (0.29)	0.07 (0.31)	0.03	0.07 (0.29)	0.06 (0.29)	0.03	0.08 (0.30)	0.09 (0.30)	-0.03	0.08 (0.30)	0.08 (0.30)	0.00
Numbe of CRP, high-sensitivity CRP tests												
mean (sd)	0.17 (0.67)	0.16 (0.70)	0.01	0.14 (0.61)	0.14 (0.58)	0.00	0.16 (0.86)	0.16 (0.69)	0.00	0.16 (0.79)	0.16 (0.67)	0.00
Number of PT or aPTTt tests												
mean (sd)	1.03 (2.00)	1.02 (1.76)	0.01	0.71 (1.58)	0.72 (1.57)	-0.01	0.56 (0.92)	0.55 (1.01)	0.01	0.65 (1.26)	0.64 (1.26)	0.00
Number of Bleeding time tests												
mean (sd)	0.00 (0.00)	0.00 (0.00)	#DIV/0!	0.00 (0.03)	0.00(0.03)	0.00	0.00 (0.02)	0.00 (0.02)	0.00	0.00 (0.02)	0.00 (0.02)	0.00
HAS-BLED Score (ICD-9 and ICD-10), 180 days	0.00 (0.00)	0.00 (0.00)	#01070:	0.00 (0.03)	0.00 (0.03)	0.00	0.00 (0.02)	0.00 (0.02)	0.00	0.00 (0.02)	0.00(0.02)	0.00
mean (sd)	2.89 (1.02)	2.93 (1.07)	-0.04	2.37 (1.00)	2.37 (0.99)	0.00	3.49 (0.82)	3.48 (0.81)	0.01	3.17 (0.89)	3.17 (0.89)	0.00
	2.89 (1.02)	2.95 (1.07)	-0.04	2.37 (1.00)	2.37 (0.99)	0.00	3.49 (0.82)	5.48 (0.81)	0.01	3.17 (0.89)	3.17 (0.89)	0.00
N of Generic name drugs												
mean (sd)	18.54 (17.31)	18.70 (19.99)	-0.01	13.69 (11.34)	13.71 (12.94)	0.00	18.66 (14.45)	18.74 (16.05)	-0.01	17.54 (14.21)	17.61 (15.96)	0.00
N of Brand name drugs												
mean (sd)	3.61 (6.03)	3.61 (4.03)	0.00	3.54 (5.26)	3.63 (3.55)	-0.02	3.99 (6.55)	3.97 (4.25)	0.00	3.84 (6.22)	3.85 (4.08)	0.00
Use of clopidogrel ; n (%)	60 (3.8%)	63 (4.0%)	-0.01	91 (3.1%)	100 (3.4%)	-0.02	539 (6.3%)	543 (6.4%)	0.00	690 (5.3%)	706 (5.4%)	0.00
Systemic embolism; n (%)	62 (3.9%)	53 (3.4%)	0.03	145 (5.0%)	156 (5.4%)	-0.02	216 (2.5%)	210 (2.5%)	0.00	423 (3.3%)	419 (3.2%)	0.01
DVT; n (%)	1,575 (100.0%)	1,575 (100.0%)	#DIV/0!	2,897 (99.9%)	2,898 (100.0%)	-0.04	8,504 (99.9%)	8,503 (99.9%)	0.00	12976 (99.9%)	12976 (99.9%)	0.00
Post-thrombotic syndrome; n (%)	** (0.3%)	** (0.3%)	#DIV/0!	** (0.2%)	** (0.2%)	#DIV/0!	23 (0.3%)	20 (0.2%)	#DIV/0!	** (0.2%)	** (0.2%)	0.00
PE; n (%)	163 (10.3%)	158 (10.0%)	0.01	141 (4.9%)	132 (4.6%)	0.01	599 (7.0%)	612 (7.2%)	-0.01	903 (7.0%)	902 (6.9%)	0.00
Coagulation defects; n (%)	43 (2.7%)	46 (2.9%)	#DIV/0!	110 (3.8%)	110 (3.8%)	#DIV/0!	159 (1.9%)	141 (1.7%)	#DIV/0!	110 (3.8%)	110 (3.8%)	0.00
congulation deletes, in (x)	40 (21770)	40 (2.576)		110 (0.070)	110 (5.670)		100 (1.070)	141 (1.776)		110 (0.070)	110 (5.070)	0.00
Diabetes: 1 inpatient or 2 outpatient claims within 18	391 (24.8%)	393 (25.0%)	0.00	516 (17.8%)	543 (18.7%)	-0.02	2,342 (27.5%)	2,351 (27.6%)	0.00	3249 (25.0%)	3287 (25.3%)	-0.01
		,		,	• •• (=••••)		_, (,	_,(			,	
Intracranial or retroperitoneal hemorrhage: 1 inpatier	** (0.1%)	** (0.1%)	0.00	0 (0.0%)	0 (0.0%)	#DIV/0!	12 (0.1%)	10 (0.1%)	0.00	#VALUE!	#VALUE!	#VALUE!
Peptic Ulcer Disease; n (%)	399 (25.3%)	407 (25.8%)	-0.01	574 (19.8%)	571 (19.7%)	0.00	2,559 (30.1%)	2,560 (30.1%)	0.00	3532 (27.2%)	3538 (27.2%)	0.00
Major Surgery : n (%)	154 (9.8%)	147 (9.3%)	#DIV/0!	262 (9.0%)	261 (9.0%)	#DIV/0!	854 (10.0%)	835 (9.8%)	#DIV/0!	262 (9.0%)	261 (9.0%)	0.00
Upper Gl bleed; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/0!
	. ( ,	,	#DIV/0!	,	0 (0.0%)	#DIV/0!	0 (0.0%)	0 (0.0%)	#DIV/01	0 (0.0%)	0 (0.0%)	#DIV/0!
Lower/unspecified GI bleed; n (%)	0 (0.0%)	0 (0.0%)		0 (0.0%)								
Urogenital bleed; n (%)	** (0.3%)	** (0.3%)	0.00	27 (0.9%)	30 (1.0%)	-0.01	1 (0.0%)	0 (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Other bleeds; n (%)	106 (6.7%)	110 (7.0%)	-0.01	170 (5.9%)	170 (5.9%)	0.00	512 (6.0%)	490 (5.8%)	0.01	788 (6.1%)	770 (5.9%)	0.01
Prior cancer; n (%)	237 (15.0%)	228 (14.5%)	0.01	351 (12.1%)	331 (11.4%)	0.02	1,577 (18.5%)	1,523 (17.9%)	0.02	2165 (16.7%)	2082 (16.0%)	0.02
Antibiotics; n (%)	751 (47.7%)	774 (49.1%)	#DIV/0!	1,526 (52.6%)	1,514 (52.2%)	#DIV/0!	4,722 (55.5%)	4,673 (54.9%)	#DIV/0!	1,526 (52.6%)	1,514 (52.2%)	0.01
Aspirin; n (%)	** (0.6%)	** (0.6%)	0.00	51 (1.8%)	48 (1.7%)	0.01	37 (0.4%)	42 (0.5%)	-0.01	#VALUE!	#VALUE!	#VALUE!
Aspirin/dipyridamole; n (%)	** (0.2%)	** (0.2%)	0.00	** (0.1%)	** (0.1%)	0.00	26 (0.3%)	30 (0.4%)	-0.02	#VALUE!	#VALUE!	#VALUE!
Other antiplatelet agents; n (%)	** (0.3%)	** (0.3%)	0.00	** (0.1%)	** (0.3%)	-0.04	53 (0.6%)	50 (0.6%)	0.00	#VALUE!	#VALUE!	#VALUE!
PGP inhibitors; n (%)	280 (17.8%)	281 (17.8%)	0.00	546 (18.8%)	548 (18.9%)	0.00	1,954 (23.0%)	1,957 (23.0%)	0.00	2780 (21.4%)	2786 (21.5%)	0.00
Other gastroprotective agents; n (%)	24 (1.5%)	26 (1.7%)	-0.02	56 (1.9%)	49 (1.7%)	0.02	141 (1.7%)	143 (1.7%)	0.00	221 (1.7%)	218 (1.7%)	0.00
Number of lipid tests ordered												
mean (sd)	0.49 (0.78)	0.47 (0.74)	0.03	0.35 (0.80)	0.34 (0.78)	0.01	0.55 (0.84)	0.56 (0.83)	-0.01	0.50 (0.82)	0.50 (0.81)	0.00
Proton pump inhibitor; n (%)	380 (24.1%)	379 (24.1%)	0.00	618 (21.3%)	633 (21.8%)	-0.01	2,625 (30.8%)	2,667 (31.3%)	-0.01	3623 (27.9%)	3679 (28.3%)	-0.01
H2 receptor antagonist; n (%)	73 (4.6%)	66 (4.2%)	0.02	117 (4.0%)	119 (4.1%)	-0.01	578 (6.8%)	546 (6.4%)	0.02	768 (5.9%)	731 (5.6%)	0.01
	** (0.1%)	** (0.1%)	0.02	0 (0.0%)	0 (0.0%)	#DIV/0!	2 (0.0%)	1 (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Vitamin K therapy; n (%) Number of INR (prothrombin) tests ordered	· (U.1%)	··· (U.1%)	0.00	J (U.U%)	0 (0.0%)	#017/01	2 (U.U%)	1 (0.0%)	#017/01	#VALUE!	#VALUE!	#VALUE!
	/	/		/	/		/ )	/ \		/	/ \	
mean (sd)	0.73 (1.55)	0.58 (1.00)	0.12	0.52 (1.11)	0.47 (1.03)	0.05	0.53 (0.86)	0.50 (0.85)	0.04	0.55 (1.03)	0.50 (0.91)	0.00
Treating prescriber - Cardiologist; n (%)	508 (32.3%)	509 (32.3%)	0.00	1,002 (34.6%)	994 (34.3%)	0.01	3,097 (36.4%)	3,041 (35.7%)	0.01	4607 (35.5%)	4544 (35.0%)	0.01
Treating prescriber - Primary Care Physician; n (%)	1,368 (86.9%)	1,399 (88.8%)	-0.06	1,243 (42.9%)	1,247 (43.0%)	0.00	3,431 (40.3%)	3,422 (40.2%)	0.00	6042 (46.5%)	6068 (46.7%)	0.00
Treating prescriber - Other; n (%)	1,574 (99.9%)	1,574 (99.9%)	0.00	2,754 (95.0%)	2,761 (95.2%)	-0.01	8,475 (99.6%)	8,483 (99.7%)	-0.02	12803 (98.6%)	12818 (98.7%)	-0.01
Alpha blockers; n (%)	121 (7.7%)	124 (7.9%)	-0.01	162 (5.6%)	159 (5.5%)	0.00	868 (10.2%)	862 (10.1%)	0.00	1151 (8.9%)	1145 (8.8%)	0.00
CHA2DS2 VASc score, 180 days, V												
mean (sd)	3.13 (1.81)	3.22 (1.79)	-0.05	2.90 (1.70)	2.98 (1.68)	-0.05	4.08 (1.83)	4.17 (1.82)	-0.05	3.70 (1.80)	3.79 (1.79)	0.00
Use of Prasugrel: n (%)	** (0.1%)	0 (0.0%)	0.04	** (0.1%)	** (0.1%)	0.00	1 (0.0%)	1 (0.0%)	#DIV/0!	#VALUE!	#VALUE!	#VALUE!
Use of Loop Diuretics+other diuretics+other hyperten:	237 (15.0%)	247 (15.7%)	-0.02	351 (12.1%)	349 (12.0%)	0.00	1,864 (21.9%)	1,901 (22.3%)	-0.01	2452 (18.9%)	2497 (19.2%)	-0.01
Commercial vs Medicare Advantage- Business Type Code - CC	ORRECT ONE - OPTUM						0	0				
Commercial: n (%)	495 (31.4%)	471 (29.9%)	0.03	688 (23.7%)	708 (24.4%)	-0.02	-		#VALUE!	1.183 (26.4%)	1.179 (26.4%)	0.00
Medicare Advantage: n (%)	1,080 (68.6%)	1104 (70.1%)	-0.03	2211 (76.3%)	2191 (75.6%)	0.02			#VALUE!	3,291 (73.6%)	3.295 (73.6%)	0.00
	1,000 (00.070)	110-1 (/ 0.1/0)	5.05		2131 (/ 3.0/0)	5.02				5,252 (15.070)	5,255 (75.070)	5.00
Commercial vs Medicare Advantage- Business Type Code												
COM = COMMERCIAL; n (%)	495 (31.4%)	471 (29.9%)	0.03			#VALUE!			#VALUE!	495 (31.4%)	471 (29.9%)	0.03
MCR = MEDICARE; n (%)	1,080 (68.6%)	1,104 (70.1%)	-0.03			#VALUE!			#VALUE!	1,080 (68.6%)	1,104 (70.1%)	-0.03
				-	-		-	-				
MCD = MEDICAID; n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	-	-	#VALUE!	-	-	#VALUE!	0 (0.0%)	0 (0.0%)	#DIV/0!
NONE - NO RUSINESS LINE CODE (added in 2015); - (	0 (0.0%)	0 (0.0%)	#DIV/0!			#VALUE!			#VALUE!	0 (0.0%)	0 (0.0%)	#DIV/0!
NONE = NO BUSINESS LINE CODE (added in 2015); n (	. ( ,	,		-	-		-	-			- ( )	1
UNK = UNKNOWN (added in 2015); n (%)	0 (0.0%)	0 (0.0%)	#DIV/0!	-		#VALUE!	-	-	#VALUE!	0 (0.0%)	0 (0.0%)	#DIV/0!
Commercial vs Medicare Advantage- Data Type	-	-		0	0		-	-				

1 - Fee For Service; n (%) 2 - Encounter; n (%) 3 - Medicare; n (%) 4 - Medicare Encounter; n (%)	• • •	- - -	1,985 (68.5%) 226 (7.8%) 625 (21.6%) 63 (2.2%)	1,967 (67.9%) 224 (7.7%) 643 (22.2%) 65 (2.2%)	-	- - -	1,985 (68.5%) 226 (7.8%) 625 (21.6%) 63 (2.2%)	1,967 (67.9%) 224 (7.7%) 643 (22.2%) 65 (2.2%)	0.00 0.00 0.00 0.00
Metropolitan Statistical Area - Urban (any MSA) vs Rural (non-MS Urban; n (%) Rural; n (%) Unknown/Missing; n (%)	A) - -	-	2,156 (74.4%) 100 (3.4%) 643 (22.2%)	2,161 (74.5%) 95 (3.3%) 643 (22.2%)	-	-	0 2,156 (74.4%) 100 (3.4%) 643 (22.2%)	0 2,161 (74.5%) 95 (3.3%) 643 (22.2%)	0.00