Umer Testing

NIS Sep Cardio 3 replicating

Muhammad Umer Sohail

## Preamble:

* **Reference Papers:**
  + [Li et al. 2023](https://www.ahajournals.org/doi/10.1161/JAHA.122.028970)
  + [Olivier et al. 2019](https://jamanetwork.com/journals/jamacardiology/fullarticle/2716724)
* **Study Objective**: Assess the incidence and impact of acute myocardial infarction (AMI) on hospitalized patients with peripheral artery disease (PAD).
* **Data Source**: Cross-sectional analysis of the National Inpatient Sample (NIS) from 2018 to 2020.
* **Patient Selection**: Included all inpatient admissions with a primary diagnosis of peripheral artery disease, comparing those with and without a secondary diagnosis of acute myocardial infarction.
* **Peripheral Artery Disease Categories**:
  + PAD with AMI
  + PAD without AMI
* **Primary Outcomes**:
  + In-hospital all-cause mortality
  + Total hospital length of stay (days)
  + Total charge, inflation adjusted to 2020 ($)
* **Secondary Outcomes**:
  + Acute heart failure
  + Ischemic stroke
  + Transient ischemic attack
  + Acute kidney injury
  + Amputation
* **Statistical Analysis**: Multiple logistic and linear regression models to evaluate the independent association of AMI with in-hospital outcomes in patients with PAD, adjusting for:
  + Demographics: Age, sex, race, residential income, insurance, hospital region, hospital bedsize, hospital location, teaching status and admission type (elective or non-elective).
  + Medical History: Diabetes mellitus, previous heart failure, hypertension, obesity, chronic pulmonary disease, chronic kidney disease, atrial fibrillation, liver disease, cancer, anemia, coronary artery disease, dementia, smoking status, previous myocardial infarction, previous percutaneous coronary intervention (PCI), previous coronary artery bypass grafting (CABG), previous implantable cardioverter-defibrillator (ICD) insertion, previous pacemaker or cardiac resynchronization therapy (CRT) insertion, and previous stroke or TIA.
  + Comorbidities: Charlson comorbidity index.
* **Software:** All analyses were performed using R Version 4.4.1 (R Foundation for Statistical Computing, Vienna, Austria)

## Baseline Table:

| **Characteristic** | **Peripheral Artery Disease without Acute Myocardial Infarction** N = 11,370*1* | **Peripheral Artery Disease with Acute Myocardial Infarction** N = 210*1* | **p-value***2* | **Overall** N = 11,580*1* |
| --- | --- | --- | --- | --- |
| Age, y | 67 (13) | 70 (10) | 0.2 | 67 (13) |
| Sex |  |  | 0.2 |  |
| Female | 4,350 (38%) | 60 (29%) |  | 4,410 (38%) |
| Male | 7,020 (62%) | 150 (71%) |  | 7,170 (62%) |
| Race |  |  | 0.2 |  |
| White | 7,210 (65%) | 145 (69%) |  | 7,355 (65%) |
| Asian or Pacific Islander | 155 (1.4%) | 5 (2.4%) |  | 160 (1.4%) |
| Black | 2,385 (21%) | 15 (7.1%) |  | 2,400 (21%) |
| Hispanic | 1,110 (10.0%) | 35 (17%) |  | 1,145 (10%) |
| Native American | 60 (0.5%) | 0 (0%) |  | 60 (0.5%) |
| Other | 235 (2.1%) | 10 (4.8%) |  | 245 (2.2%) |
| Residential income |  |  | 0.8 |  |
| $1 - $51,999 | 4,190 (37%) | 70 (34%) |  | 4,260 (37%) |
| $52,000 - $65,999 | 2,995 (27%) | 50 (24%) |  | 3,045 (27%) |
| $66,000 - $87,999 | 2,410 (22%) | 45 (22%) |  | 2,455 (22%) |
| $88,000 or more | 1,580 (14%) | 40 (20%) |  | 1,620 (14%) |
| Expected primary payer |  |  | 0.14 |  |
| Private | 2,085 (18%) | 65 (31%) |  | 2,150 (19%) |
| Medicaid | 1,375 (12%) | 10 (4.8%) |  | 1,385 (12%) |
| Medicare | 7,595 (67%) | 130 (62%) |  | 7,725 (67%) |
| Other | 310 (2.7%) | 5 (2.4%) |  | 315 (2.7%) |
| Hospital region |  |  | 0.7 |  |
| Midwest | 2,300 (20%) | 40 (19%) |  | 2,340 (20%) |
| Northeast | 1,680 (15%) | 45 (21%) |  | 1,725 (15%) |
| South | 5,850 (51%) | 100 (48%) |  | 5,950 (51%) |
| West | 1,540 (14%) | 25 (12%) |  | 1,565 (14%) |
| Hospital bedsize |  |  | 0.5 |  |
| Large | 5,895 (52%) | 115 (55%) |  | 6,010 (52%) |
| Medium | 3,375 (30%) | 45 (21%) |  | 3,420 (30%) |
| Small | 2,100 (18%) | 50 (24%) |  | 2,150 (19%) |
| Hospital location and teaching status |  |  | >0.9 |  |
| Rural | 680 (6.0%) | 15 (7.1%) |  | 695 (6.0%) |
| Urban, non-teaching | 1,860 (16%) | 30 (14%) |  | 1,890 (16%) |
| Urban, teaching | 8,830 (78%) | 165 (79%) |  | 8,995 (78%) |
| Admission type |  |  | 0.3 |  |
| Elective | 3,885 (34%) | 55 (26%) |  | 3,940 (34%) |
| Non-elective | 7,460 (66%) | 155 (74%) |  | 7,615 (66%) |
| Charlson comorbidity index | 3.58 (2.03) | 5.05 (1.83) | <0.001 | 3.61 (2.04) |
| Diabetes Mellitus | 6,815 (60%) | 110 (52%) | 0.3 | 6,925 (60%) |
| Previous congestive heart failure | 1,925 (17%) | 70 (33%) | 0.007 | 1,995 (17%) |
| Hypertension | 5,830 (51%) | 95 (45%) | 0.4 | 5,925 (51%) |
| Obesity | 1,785 (16%) | 25 (12%) | 0.5 | 1,810 (16%) |
| Chronic pulmonary disease | 2,770 (24%) | 55 (26%) | 0.8 | 2,825 (24%) |
| Chronic kidney disease | 3,840 (34%) | 75 (36%) | 0.8 | 3,915 (34%) |
| Atrial fibrillation | 2,185 (19%) | 85 (40%) | <0.001 | 2,270 (20%) |
| Liver disease | 385 (3.4%) | 20 (9.5%) | 0.033 | 405 (3.5%) |
| Cancer | 265 (2.3%) | 5 (2.4%) | >0.9 | 270 (2.3%) |
| Anemia | 4,230 (37%) | 125 (60%) | 0.003 | 4,355 (38%) |
| Previous PCI | 1,275 (11%) | 10 (4.8%) | 0.2 | 1,285 (11%) |
| Previous CABG | 1,525 (13%) | 50 (24%) | 0.053 | 1,575 (14%) |
| Previous ICD insertion | 320 (2.8%) | 0 (0%) | 0.3 | 320 (2.8%) |
| Previous PPM or CRT insertion | 440 (3.9%) | 5 (2.4%) | 0.6 | 445 (3.8%) |
| Smoking status | 2,570 (23%) | 20 (9.5%) | 0.045 | 2,590 (22%) |
| Coronary artery disease | 4,670 (41%) | 130 (62%) | 0.007 | 4,800 (41%) |
| Dementia | 950 (8.4%) | 15 (7.1%) | 0.8 | 965 (8.3%) |
| Previous stroke/TIA | 1,675 (15%) | 35 (17%) | 0.7 | 1,710 (15%) |
| Previous myocardial infarction | 1,440 (13%) | 15 (7.1%) | 0.3 | 1,455 (13%) |
| *1*Mean (SD); n (%) | | | | |
| *2*Design-based KruskalWallis test; Pearson's X^2: Rao & Scott adjustment | | | | |

## Outcomes Table:

| **Characteristic** | **Peripheral Artery Disease without Acute Myocardial Infarction** N = 11,370*1* | **Peripheral Artery Disease with Acute Myocardial Infarction** N = 210*1* | **p-value***2* | **Overall** N = 11,580*1* |
| --- | --- | --- | --- | --- |
| Died during hospitalization | 220 (1.9%) | 45 (21%) | <0.001 | 265 (2.3%) |
| Length of stay (days) | 5.0 (3.0, 9.0) | 11.0 (6.0, 16.0) | <0.001 | 5.0 (3.0, 9.0) |
| Inflation-adjusted total charge ($) | 75,529 (41,322, 133,181) | 131,831 (96,474, 254,236) | <0.001 | 76,187 (41,604, 135,115) |
| Acute heart failure | 365 (3.2%) | 35 (17%) | <0.001 | 400 (3.5%) |
| Ischemic stroke | 65 (0.6%) | 10 (4.8%) | <0.001 | 75 (0.6%) |
| Transient ischemic attack | 40 (0.4%) | 0 (0%) | 0.7 | 40 (0.3%) |
| Acute kidney injury | 1,860 (16%) | 45 (21%) | 0.4 | 1,905 (16%) |
| Amputation | 1,325 (12%) | 45 (21%) | 0.048 | 1,370 (12%) |
| *1*n (%); Median (Q1, Q3) | | | | |
| *2*Pearson's X^2: Rao & Scott adjustment; Design-based KruskalWallis test | | | | |

## Multivariable Logistic Regression:

### All-Cause Mortality:

| **Characteristic** | **OR** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 6.60 | 2.60, 16.7 | <0.001 |
| Age, y | 1.05 | 1.02, 1.08 | 0.003 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 1.57 | 0.84, 2.92 | 0.2 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 0.00 | 0.00, 0.00 | <0.001 |
| Black | 0.82 | 0.39, 1.74 | 0.6 |
| Hispanic | 1.59 | 0.60, 4.22 | 0.3 |
| Native American | 0.00 | 0.00, 0.00 | <0.001 |
| Other | 2.63 | 0.47, 14.7 | 0.3 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | 0.83 | 0.38, 1.83 | 0.6 |
| $66,000 - $87,999 | 1.34 | 0.60, 2.96 | 0.5 |
| $88,000 or more | 1.44 | 0.56, 3.66 | 0.4 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 0.25 | 0.06, 1.13 | 0.072 |
| Medicare | 0.38 | 0.17, 0.85 | 0.019 |
| Other | 0.81 | 0.20, 3.25 | 0.8 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 0.33 | 0.10, 1.12 | 0.076 |
| South | 1.15 | 0.53, 2.48 | 0.7 |
| West | 1.12 | 0.38, 3.26 | 0.8 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | 0.84 | 0.41, 1.69 | 0.6 |
| Small | 0.88 | 0.37, 2.09 | 0.8 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 0.30 | 0.08, 1.18 | 0.085 |
| Urban, teaching | 0.63 | 0.19, 2.07 | 0.4 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 1.59 | 0.79, 3.22 | 0.2 |
| Charlson comorbidity index | 1.27 | 1.06, 1.51 | 0.009 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 0.47 | 0.26, 0.88 | 0.017 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 1.80 | 0.96, 3.37 | 0.066 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 0.56 | 0.19, 1.64 | 0.3 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 0.73 | 0.28, 1.94 | 0.5 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | 1.17 | 0.56, 2.45 | 0.7 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | 0.78 | 0.27, 2.20 | 0.6 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 0.84 | 0.40, 1.76 | 0.6 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 2.98 | 0.97, 9.13 | 0.057 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 0.60 | 0.15, 2.38 | 0.5 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 2.28 | 1.23, 4.25 | 0.009 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | 0.96 | 0.30, 3.04 | >0.9 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | 0.43 | 0.12, 1.56 | 0.2 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | 0.66 | 0.08, 5.67 | 0.7 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | 0.34 | 0.04, 2.96 | 0.3 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | 1.06 | 0.39, 2.83 | >0.9 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 1.20 | 0.63, 2.30 | 0.6 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 0.82 | 0.30, 2.23 | 0.7 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 0.59 | 0.21, 1.65 | 0.3 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | 0.54 | 0.16, 1.78 | 0.3 |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | |

### Acute Heart Failure

| **Characteristic** | **OR** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 4.00 | 1.07, 15.0 | 0.040 |
| Age, y | 1.00 | 0.98, 1.03 | 0.9 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 1.44 | 0.82, 2.52 | 0.2 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 1.14 | 0.15, 8.65 | >0.9 |
| Black | 1.72 | 0.95, 3.11 | 0.073 |
| Hispanic | 0.92 | 0.36, 2.36 | 0.9 |
| Native American | 0.00 | 0.00, 0.00 | <0.001 |
| Other | 1.22 | 0.28, 5.37 | 0.8 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | 1.46 | 0.83, 2.57 | 0.2 |
| $66,000 - $87,999 | 0.64 | 0.30, 1.36 | 0.2 |
| $88,000 or more | 1.04 | 0.46, 2.36 | >0.9 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 1.07 | 0.38, 2.98 | 0.9 |
| Medicare | 0.95 | 0.45, 2.01 | 0.9 |
| Other | 0.43 | 0.04, 4.39 | 0.5 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 1.64 | 0.82, 3.30 | 0.2 |
| South | 0.69 | 0.35, 1.39 | 0.3 |
| West | 1.20 | 0.50, 2.91 | 0.7 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | 1.35 | 0.79, 2.32 | 0.3 |
| Small | 1.17 | 0.61, 2.26 | 0.6 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 0.41 | 0.12, 1.35 | 0.14 |
| Urban, teaching | 0.43 | 0.16, 1.18 | 0.10 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 1.31 | 0.71, 2.40 | 0.4 |
| Charlson comorbidity index | 1.37 | 1.20, 1.55 | <0.001 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 1.28 | 0.68, 2.40 | 0.4 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 0.52 | 0.25, 1.07 | 0.077 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 0.56 | 0.25, 1.23 | 0.15 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 1.50 | 0.81, 2.77 | 0.2 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | 1.82 | 1.02, 3.26 | 0.044 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | 0.47 | 0.21, 1.06 | 0.068 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 3.06 | 1.68, 5.56 | <0.001 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 1.26 | 0.43, 3.67 | 0.7 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 1.24 | 0.30, 5.07 | 0.8 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 1.25 | 0.70, 2.24 | 0.4 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | 0.63 | 0.25, 1.56 | 0.3 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | 0.36 | 0.15, 0.86 | 0.022 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | 1.53 | 0.45, 5.26 | 0.5 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | 1.20 | 0.45, 3.16 | 0.7 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | 0.92 | 0.45, 1.85 | 0.8 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 1.54 | 0.85, 2.78 | 0.2 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 1.17 | 0.54, 2.54 | 0.7 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 0.64 | 0.31, 1.35 | 0.2 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | 0.66 | 0.30, 1.49 | 0.3 |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | |

### Acute Ischemic Stroke

| **Characteristic** | **OR** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 1.36 | 0.21, 8.90 | 0.7 |
| Age, y | 1.01 | 0.95, 1.08 | 0.7 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 1.45 | 0.49, 4.32 | 0.5 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 0.00 | 0.00, 0.00 | <0.001 |
| Black | 0.91 | 0.11, 7.56 | >0.9 |
| Hispanic | 2.59 | 0.50, 13.4 | 0.3 |
| Native American | 58.9 | 1.87, 1,853 | 0.021 |
| Other | 0.00 | 0.00, 0.00 | <0.001 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | 0.63 | 0.12, 3.19 | 0.6 |
| $66,000 - $87,999 | 1.90 | 0.45, 8.06 | 0.4 |
| $88,000 or more | 3.48 | 0.43, 28.3 | 0.2 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 1.62 | 0.18, 14.2 | 0.7 |
| Medicare | 0.58 | 0.10, 3.43 | 0.5 |
| Other | 0.00 | 0.00, 0.00 | <0.001 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 0.29 | 0.03, 3.16 | 0.3 |
| South | 0.20 | 0.04, 1.09 | 0.064 |
| West | 0.42 | 0.06, 3.03 | 0.4 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | 3.65 | 1.20, 11.1 | 0.023 |
| Small | 0.00 | 0.00, 0.00 | <0.001 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 16,967,109 | 3,293,587, 87,407,074 | <0.001 |
| Urban, teaching | 11,367,840 | 2,926,127, 44,163,421 | <0.001 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 5.24 | 1.56, 17.6 | 0.007 |
| Charlson comorbidity index | 2.36 | 1.82, 3.04 | <0.001 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 1.65 | 0.23, 11.7 | 0.6 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 0.95 | 0.23, 3.94 | >0.9 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 0.18 | 0.03, 0.94 | 0.043 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 1.96 | 0.29, 13.3 | 0.5 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | 0.98 | 0.24, 3.99 | >0.9 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | 0.03 | 0.01, 0.14 | <0.001 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 1.17 | 0.21, 6.45 | 0.9 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 0.78 | 0.04, 15.2 | 0.9 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 0.93 | 0.24, 3.57 | >0.9 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | 0.18 | 0.03, 1.25 | 0.083 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | 1.67 | 0.31, 8.94 | 0.5 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | 2.33 | 0.49, 11.0 | 0.3 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 2.37 | 0.53, 10.7 | 0.3 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 0.88 | 0.17, 4.68 | 0.9 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 5.26 | 1.16, 23.9 | 0.032 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | 0.35 | 0.07, 1.76 | 0.2 |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | |

### Transient Ischemic Attack

| **Characteristic** | **OR** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 0.00 | 0.00, 0.00 | <0.001 |
| Age, y | 1.03 | 0.98, 1.09 | 0.2 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 0.12 | 0.01, 2.18 | 0.15 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 0.00 | 0.00, 0.00 | <0.001 |
| Black | 1.59 | 0.29, 8.60 | 0.6 |
| Hispanic | 0.00 | 0.00, 0.00 | <0.001 |
| Native American | 0.00 | 0.00, 0.00 | <0.001 |
| Other | 76.7 | 1.22, 4,833 | 0.040 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | 1.33 | 0.11, 16.0 | 0.8 |
| $66,000 - $87,999 | 1.83 | 0.24, 13.8 | 0.6 |
| $88,000 or more | 1.09 | 0.14, 8.65 | >0.9 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 0.00 | 0.00, 0.00 | <0.001 |
| Medicare | 0.46 | 0.04, 5.47 | 0.5 |
| Other | 0.00 | 0.00, 0.00 | <0.001 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 1.21 | 0.13, 11.2 | 0.9 |
| South | 0.85 | 0.14, 5.24 | 0.9 |
| West | 0.00 | 0.00, 0.00 | <0.001 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | 0.23 | 0.01, 4.20 | 0.3 |
| Small | 0.00 | 0.00, 0.00 | <0.001 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 429,570,690 | 12,184,954, 15,144,166,644 | <0.001 |
| Urban, teaching | 201,073,080 | 42,390,425, 953,762,162 | <0.001 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 0.21 | 0.04, 1.21 | 0.081 |
| Charlson comorbidity index | 2.68 | 1.37, 5.22 | 0.004 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 0.06 | 0.01, 0.30 | <0.001 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 2.80 | 0.04, 176 | 0.6 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | 0.05 | 0.01, 0.28 | <0.001 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | 0.75 | 0.01, 43.1 | 0.9 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 1.80 | 0.34, 9.45 | 0.5 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | 1.43 | 0.20, 10.2 | 0.7 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | 0.40 | 0.04, 4.47 | 0.5 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | 2.02 | 0.21, 19.4 | 0.5 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | 1.88 | 0.22, 16.2 | 0.6 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 2.08 | 0.29, 14.8 | 0.5 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 0.00 | 0.00, 0.00 | <0.001 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 0.92 | 0.07, 11.8 | >0.9 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | 0.73 | 0.05, 10.3 | 0.8 |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | |

### Acute Kidney Injury

| **Characteristic** | **OR** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 1.13 | 0.45, 2.84 | 0.8 |
| Age, y | 1.02 | 1.01, 1.03 | <0.001 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 1.04 | 0.81, 1.35 | 0.7 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 1.38 | 0.49, 3.85 | 0.5 |
| Black | 0.82 | 0.60, 1.12 | 0.2 |
| Hispanic | 0.88 | 0.60, 1.30 | 0.5 |
| Native American | 0.48 | 0.04, 5.20 | 0.5 |
| Other | 0.93 | 0.41, 2.11 | 0.9 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | 0.76 | 0.56, 1.04 | 0.088 |
| $66,000 - $87,999 | 1.17 | 0.83, 1.64 | 0.4 |
| $88,000 or more | 0.91 | 0.60, 1.38 | 0.7 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 1.12 | 0.70, 1.78 | 0.6 |
| Medicare | 0.69 | 0.48, 1.00 | 0.051 |
| Other | 0.68 | 0.30, 1.52 | 0.3 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 0.90 | 0.59, 1.37 | 0.6 |
| South | 1.21 | 0.88, 1.66 | 0.2 |
| West | 0.95 | 0.60, 1.52 | 0.8 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | 0.92 | 0.69, 1.21 | 0.5 |
| Small | 0.92 | 0.66, 1.28 | 0.6 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 1.05 | 0.58, 1.92 | 0.9 |
| Urban, teaching | 1.32 | 0.78, 2.21 | 0.3 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 2.76 | 2.04, 3.75 | <0.001 |
| Charlson comorbidity index | 1.04 | 0.93, 1.16 | 0.5 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 1.27 | 0.90, 1.80 | 0.2 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 1.04 | 0.73, 1.47 | 0.8 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 0.85 | 0.57, 1.26 | 0.4 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 1.32 | 0.96, 1.82 | 0.090 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | 1.09 | 0.79, 1.52 | 0.6 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | 1.96 | 1.22, 3.16 | 0.006 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 1.10 | 0.80, 1.51 | 0.5 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 0.83 | 0.40, 1.72 | 0.6 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 1.08 | 0.49, 2.36 | 0.9 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 1.96 | 1.52, 2.54 | <0.001 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | 0.92 | 0.62, 1.37 | 0.7 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | 0.70 | 0.47, 1.05 | 0.082 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | 1.05 | 0.52, 2.12 | 0.9 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | 0.76 | 0.41, 1.40 | 0.4 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | 0.91 | 0.65, 1.29 | 0.6 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 0.97 | 0.72, 1.32 | 0.9 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 1.05 | 0.70, 1.59 | 0.8 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 1.03 | 0.74, 1.44 | 0.9 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | 1.53 | 1.02, 2.29 | 0.039 |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | |

### Amputation

| **Characteristic** | **OR** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 1.85 | 0.74, 4.60 | 0.2 |
| Age, y | 0.98 | 0.97, 1.00 | 0.016 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 1.26 | 0.95, 1.68 | 0.11 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 0.62 | 0.15, 2.54 | 0.5 |
| Black | 1.00 | 0.71, 1.40 | >0.9 |
| Hispanic | 0.93 | 0.56, 1.54 | 0.8 |
| Native American | 2.06 | 0.52, 8.17 | 0.3 |
| Other | 0.93 | 0.32, 2.70 | 0.9 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | 1.33 | 0.96, 1.84 | 0.086 |
| $66,000 - $87,999 | 1.14 | 0.78, 1.68 | 0.5 |
| $88,000 or more | 0.90 | 0.55, 1.48 | 0.7 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 1.78 | 1.07, 2.95 | 0.027 |
| Medicare | 1.60 | 1.01, 2.55 | 0.045 |
| Other | 1.55 | 0.64, 3.75 | 0.3 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 0.77 | 0.47, 1.26 | 0.3 |
| South | 1.16 | 0.83, 1.63 | 0.4 |
| West | 1.15 | 0.72, 1.83 | 0.6 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | 0.83 | 0.61, 1.14 | 0.3 |
| Small | 0.84 | 0.60, 1.18 | 0.3 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 0.39 | 0.23, 0.65 | <0.001 |
| Urban, teaching | 0.56 | 0.37, 0.85 | 0.007 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 0.93 | 0.69, 1.24 | 0.6 |
| Charlson comorbidity index | 1.00 | 0.88, 1.12 | >0.9 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 1.49 | 1.04, 2.13 | 0.031 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 1.39 | 0.97, 1.98 | 0.074 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 0.95 | 0.62, 1.45 | 0.8 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 0.77 | 0.52, 1.15 | 0.2 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | 0.86 | 0.58, 1.28 | 0.5 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | 1.02 | 0.60, 1.73 | >0.9 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 1.15 | 0.80, 1.65 | 0.5 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 0.73 | 0.34, 1.60 | 0.4 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 0.98 | 0.34, 2.83 | >0.9 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 2.65 | 1.98, 3.56 | <0.001 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | 0.67 | 0.40, 1.12 | 0.12 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | 0.80 | 0.50, 1.27 | 0.3 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | 0.41 | 0.13, 1.25 | 0.12 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | 0.73 | 0.33, 1.63 | 0.4 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | 0.70 | 0.47, 1.05 | 0.084 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 1.04 | 0.75, 1.43 | 0.8 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 2.53 | 1.60, 4.00 | <0.001 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 1.24 | 0.88, 1.76 | 0.2 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | 1.25 | 0.79, 1.98 | 0.3 |
| Abbreviations: CI = Confidence Interval, OR = Odds Ratio | | | |

## Multivariable Linear Regression:

### Length of Stay:

| **Characteristic** | **Beta** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 9.1 | -2.7, 21 | 0.13 |
| Age, y | -0.02 | -0.05, 0.01 | 0.14 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 0.35 | -0.45, 1.1 | 0.4 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | 1.1 | -1.7, 3.9 | 0.4 |
| Black | -0.35 | -1.1, 0.37 | 0.3 |
| Hispanic | -0.01 | -1.0, 1.0 | >0.9 |
| Native American | -1.2 | -3.0, 0.60 | 0.2 |
| Other | -0.58 | -2.2, 1.0 | 0.5 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | -0.37 | -1.2, 0.42 | 0.4 |
| $66,000 - $87,999 | 0.15 | -0.70, 0.99 | 0.7 |
| $88,000 or more | -0.12 | -1.0, 0.81 | 0.8 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 2.8 | 0.15, 5.4 | 0.038 |
| Medicare | 0.40 | -0.28, 1.1 | 0.2 |
| Other | 0.55 | -0.93, 2.0 | 0.5 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 0.60 | -0.37, 1.6 | 0.2 |
| South | 0.86 | -0.02, 1.7 | 0.055 |
| West | -0.42 | -1.4, 0.58 | 0.4 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | -0.93 | -1.6, -0.27 | 0.006 |
| Small | -0.77 | -1.6, 0.01 | 0.052 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | -2.4 | -6.3, 1.4 | 0.2 |
| Urban, teaching | -1.7 | -5.7, 2.2 | 0.4 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 2.6 | 2.0, 3.1 | <0.001 |
| Charlson comorbidity index | 0.55 | 0.14, 0.97 | 0.009 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | 0.49 | -0.51, 1.5 | 0.3 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 1.5 | -0.11, 3.2 | 0.067 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | -0.69 | -2.0, 0.65 | 0.3 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | 0.25 | -0.48, 0.99 | 0.5 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | -0.34 | -1.2, 0.49 | 0.4 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | -2.0 | -4.0, -0.06 | 0.044 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 2.0 | 0.58, 3.4 | 0.006 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 0.07 | -2.0, 2.2 | >0.9 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | 0.21 | -1.8, 2.2 | 0.8 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 3.0 | 2.2, 3.8 | <0.001 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | -0.70 | -1.5, 0.10 | 0.088 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | -0.73 | -1.5, 0.04 | 0.064 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | -1.9 | -3.4, -0.48 | 0.009 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | -1.5 | -2.7, -0.26 | 0.018 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | -0.59 | -1.4, 0.19 | 0.14 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | -0.58 | -1.5, 0.38 | 0.2 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | 0.08 | -1.2, 1.4 | >0.9 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 0.62 | -1.1, 2.4 | 0.5 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | -0.20 | -1.3, 0.87 | 0.7 |
| Abbreviation: CI = Confidence Interval | | | |

### Inflation Adjusted Total Charge:

| **Characteristic** | **Beta** | **95% CI** | **p-value** |
| --- | --- | --- | --- |
| Peripheral Artery Disease Categories |  |  |  |
| Peripheral Artery Disease without Acute Myocardial Infarction | — | — |  |
| Peripheral Artery Disease with Acute Myocardial Infarction | 71,881 | 28,819, 114,943 | 0.001 |
| Age, y | -411 | -806, -17 | 0.041 |
| Sex |  |  |  |
| Female | — | — |  |
| Male | 8,958 | 1,067, 16,849 | 0.026 |
| Race |  |  |  |
| White | — | — |  |
| Asian or Pacific Islander | -1,838 | -39,835, 36,159 | >0.9 |
| Black | -9,193 | -18,687, 301 | 0.058 |
| Hispanic | 16,387 | 1,126, 31,649 | 0.035 |
| Native American | -20,432 | -46,750, 5,885 | 0.13 |
| Other | 121 | -24,233, 24,474 | >0.9 |
| Residential income |  |  |  |
| $1 - $51,999 | — | — |  |
| $52,000 - $65,999 | -13,338 | -22,431, -4,246 | 0.004 |
| $66,000 - $87,999 | -732 | -12,628, 11,165 | >0.9 |
| $88,000 or more | 5,063 | -10,554, 20,680 | 0.5 |
| Expected primary payer |  |  |  |
| Private | — | — |  |
| Medicaid | 13,871 | -3,132, 30,874 | 0.11 |
| Medicare | 9,141 | -971, 19,254 | 0.076 |
| Other | 11,596 | -19,055, 42,247 | 0.5 |
| Hospital region |  |  |  |
| Midwest | — | — |  |
| Northeast | 22,215 | 6,936, 37,495 | 0.004 |
| South | 18,628 | 9,085, 28,171 | <0.001 |
| West | 43,918 | 24,897, 62,939 | <0.001 |
| Hospital bedsize |  |  |  |
| Large | — | — |  |
| Medium | -8,892 | -19,575, 1,790 | 0.10 |
| Small | -12,595 | -23,644, -1,546 | 0.026 |
| Hospital location and teaching status |  |  |  |
| Rural | — | — |  |
| Urban, non-teaching | 31,022 | 13,514, 48,530 | <0.001 |
| Urban, teaching | 30,663 | 15,515, 45,811 | <0.001 |
| Admission type |  |  |  |
| Elective | — | — |  |
| Non-elective | 18,305 | 10,640, 25,970 | <0.001 |
| Charlson comorbidity index | 5,596 | 1,262, 9,930 | 0.011 |
| Diabetes Mellitus |  |  |  |
| No | — | — |  |
| Yes | -1,143 | -12,839, 10,552 | 0.8 |
| Previous heart failure |  |  |  |
| No | — | — |  |
| Yes | 5,013 | -8,025, 18,051 | 0.5 |
| Hypertension |  |  |  |
| No | — | — |  |
| Yes | 4,628 | -6,803, 16,059 | 0.4 |
| Obesity |  |  |  |
| No | — | — |  |
| Yes | -6,804 | -16,854, 3,247 | 0.2 |
| Chronic pulmonary disease |  |  |  |
| No | — | — |  |
| Yes | -1,555 | -12,362, 9,252 | 0.8 |
| Chronic kidney disease |  |  |  |
| No | — | — |  |
| Yes | -12,803 | -28,492, 2,886 | 0.11 |
| Atrial fibrillation |  |  |  |
| No | — | — |  |
| Yes | 12,177 | 33, 24,321 | 0.049 |
| Liver disease |  |  |  |
| No | — | — |  |
| Yes | 29,754 | -1,666, 61,174 | 0.063 |
| Cancer |  |  |  |
| No | — | — |  |
| Yes | -17,218 | -38,634, 4,198 | 0.11 |
| Anemia |  |  |  |
| No | — | — |  |
| Yes | 38,727 | 28,710, 48,744 | <0.001 |
| Previous PCI |  |  |  |
| No | — | — |  |
| Yes | -8,856 | -19,520, 1,808 | 0.10 |
| Previous CABG |  |  |  |
| No | — | — |  |
| Yes | -1,778 | -13,552, 9,996 | 0.8 |
| Previous ICD insertion |  |  |  |
| No | — | — |  |
| Yes | -7,983 | -29,770, 13,804 | 0.5 |
| Previous PPM or CRT insertion |  |  |  |
| No | — | — |  |
| Yes | -5,753 | -25,254, 13,748 | 0.6 |
| Smoking status |  |  |  |
| No | — | — |  |
| Yes | -1,988 | -11,948, 7,972 | 0.7 |
| Coronary artery disease |  |  |  |
| No | — | — |  |
| Yes | 3,692 | -5,923, 13,307 | 0.5 |
| Dementia |  |  |  |
| No | — | — |  |
| Yes | -24,021 | -39,799, -8,244 | 0.003 |
| Previous stroke/TIA |  |  |  |
| No | — | — |  |
| Yes | 4,548 | -7,012, 16,108 | 0.4 |
| Previous myocardial infarction |  |  |  |
| No | — | — |  |
| Yes | -10,758 | -25,125, 3,610 | 0.14 |
| Abbreviation: CI = Confidence Interval | | | |