**Supplemental Data**

**Table 2.** Patient Characteristics Associated with a Warfarin-related Adverse Event or INR ≥ 6

| **Condition** | **Patient characteristics** | **Odds ratio (adverse event)** | **95% CI (adverse event)** | **95% CI (adverse event)** | **Odds ratio (INR>=6)** | **95% CI (INR>=6)** | **95% CI (INR>=6)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Acute Cardiovascular Disease | Age\* | 1.01 | 0.99 | 1.02 | 1.00 | 0.98 | 1.01 |
| Female | 1.06 | 0.81 | 1.38 | 1.13 | 0.76 | 1.68 |
| White | 0.75 | 0.53 | 1.04 | 1.07 | 0.63 | 1.82 |
| Cancer | 1.12 | 0.80 | 1.55 | 0.92 | 0.55 | 1.54 |
| Congestive Heart Failure | 0.99 | 0.62 | 1.59 | 1.39 | 0.62 | 3.12 |
| Chronic Obstructive Pulmonary Disease | 1.48 | 1.13 | 1.94 | 1.59 | 1.06 | 2.38 |
| Cerebrovascular Disease | 1.28 | 0.97 | 1.70 | 1.32 | 0.87 | 2.01 |
| Corticosteroids | 0.74 | 0.44 | 1.23 | 0.70 | 0.32 | 1.53 |
| Diabetes | 1.10 | 0.84 | 1.46 | 1.28 | 0.84 | 1.93 |
| Obese | 1.15 | 0.86 | 1.54 | 0.89 | 0.57 | 1.38 |
| Smoking | 0.72 | 0.48 | 1.09 | 0.82 | 0.46 | 1.47 |
| Coronary Artery Disease | 1.69 | 1.20 | 2.38 | 1.71 | 1.01 | 2.90 |
| Renal Disease | 1.54 | 1.17 | 2.02 | 1.55 | 1.03 | 2.34 |
| Warfarin Prior to Arrival | 0.56 | 0.43 | 0.74 | 0.60 | 0.39 | 0.91 |
| Pneumonia | Age\* | 1.00 | 0.99 | 1.01 | 1.01 | 0.99 | 1.03 |
| Female | 0.99 | 0.76 | 1.28 | 1.13 | 0.81 | 1.59 |
| White | 0.74 | 0.51 | 1.06 | 1.85 | 0.97 | 3.51 |
| Cancer | 1.11 | 0.83 | 1.48 | 0.78 | 0.53 | 1.16 |
| Congestive Heart Failure | 1.21 | 0.92 | 1.61 | 1.21 | 0.84 | 1.75 |
| Chronic Obstructive Pulmonary Disease | 1.22 | 0.93 | 1.60 | 1.61 | 1.12 | 2.32 |
| Cerebrovascular Disease | 1.23 | 0.92 | 1.64 | 1.14 | 0.78 | 1.67 |
| Corticosteroids | 1.22 | 0.87 | 1.70 | 1.37 | 0.91 | 2.08 |
| Diabetes | 1.11 | 0.85 | 1.45 | 1.31 | 0.92 | 1.87 |
| Obese | 1.11 | 0.81 | 1.50 | 0.68 | 0.44 | 1.06 |
| Smoking | 1.18 | 0.85 | 1.65 | 0.91 | 0.57 | 1.45 |
| Coronary Artery Disease | 1.07 | 0.81 | 1.40 | 0.88 | 0.62 | 1.26 |
| Renal Disease | 1.37 | 1.05 | 1.78 | 1.37 | 0.97 | 1.94 |
| Warfarin Prior to Arrival | 0.74 | 0.55 | 0.98 | 0.77 | 0.52 | 1.13 |
| Surgery Care | Age\* | 1.01 | 1.00 | 1.02 | 1.03 | 1.01 | 1.05 |
| Female | 1.34 | 1.03 | 1.74 | 1.05 | 0.66 | 1.67 |
| White | 0.82 | 0.55 | 1.21 | 0.80 | 0.39 | 1.64 |
| Cancer | 1.35 | 1.01 | 1.81 | 2.28 | 1.43 | 3.64 |
| Congestive Heart Failure | 1.77 | 1.31 | 2.39 | 2.35 | 1.41 | 3.92 |
| Chronic Obstructive Pulmonary Disease | 1.15 | 0.84 | 1.57 | 1.22 | 0.72 | 2.06 |
| Cerebrovascular Disease | 1.58 | 1.16 | 2.17 | 1.81 | 1.08 | 3.05 |
| Corticosteroids | 2.36 | 1.46 | 3.81 | 0.65 | 0.19 | 2.15 |
| Diabetes | 0.95 | 0.72 | 1.26 | 0.96 | 0.59 | 1.58 |
| Obese | 0.85 | 0.64 | 1.12 | 0.90 | 0.53 | 1.51 |
| Smoking | 0.90 | 0.61 | 1.31 | 1.66 | 0.91 | 3.04 |
| Coronary Artery Disease | 1.50 | 1.13 | 1.99 | 1.27 | 0.76 | 2.09 |
| Renal Disease | 1.42 | 1.05 | 1.94 | 1.28 | 0.75 | 2.19 |
| Warfarin Prior to Arrival | 1.22 | 0.93 | 1.61 | 0.89 | 0.53 | 1.48 |

**\***Age was modeled as a continuous variable