## Model2

| Characteristic | OR1 | 95% CI1 | p-value |
| --- | --- | --- | --- |
| **Sex** |  |  |  |
| Male | — | — |  |
| Female | 0.77 | 0.67, 0.89 | **<0.001** |
| **RACEgroup** |  |  |  |
| NHWhite | — | — |  |
| Hispanic | 1.06 | 0.87, 1.30 | 0.6 |
| Black | 0.77 | 0.64, 0.94 | **0.010** |
| Other | 1.80 | 0.82, 3.94 | 0.14 |
| Asian\_PI | 1.03 | 0.73, 1.44 | 0.9 |
| UTD | 0.95 | 0.66, 1.36 | 0.8 |
| **age\_group** |  |  |  |
| >64 | — | — |  |
| <50 | 0.87 | 0.70, 1.09 | 0.2 |
| 50-64 | 1.11 | 0.92, 1.34 | 0.3 |
| **death** |  |  |  |
| No | — | — |  |
| Yes | 0.74 | 0.60, 0.93 | **0.009** |
| **psource\_group** |  |  |  |
| Medicaid | — | — |  |
| Medicare | 1.07 | 0.85, 1.34 | 0.6 |
| Other | 1.30 | 1.09, 1.56 | **0.004** |
| Self pay | 1.29 | 0.98, 1.71 | 0.071 |
| Unknown | 1.22 | 0.84, 1.78 | 0.3 |
| **Region** |  |  |  |
| Northeast | — | — |  |
| Midwest | 0.96 | 0.40, 2.29 | >0.9 |
| South | 1.85 | 0.89, 3.82 | 0.10 |
| West | 7.31 | 2.81, 19.0 | **<0.001** |
| **BMI** |  |  |  |
| Normal | — | — |  |
| Obese | 1.71 | 1.40, 2.08 | **<0.001** |
| Overweight | 1.26 | 1.02, 1.55 | **0.031** |
| Underweight | 0.68 | 0.37, 1.25 | 0.2 |
| **HOSPVENT** |  |  |  |
| No | — | — |  |
| Yes | 1.61 | 1.29, 2.02 | **<0.001** |
| **PATMANICU** |  |  |  |
| No | — | — |  |
| Yes | 3.21 | 2.64, 3.92 | **<0.001** |
| **Atrial Fibrilation or Atrial Flutter** |  |  |  |
| No | — | — |  |
| Yes | 0.73 | 0.56, 0.95 | **0.020** |
| **Cancer** |  |  |  |
| No | — | — |  |
| Yes | 1.10 | 0.89, 1.36 | 0.4 |
| **Currently on Dialysis** |  |  |  |
| No | — | — |  |
| Yes | 0.83 | 0.54, 1.29 | 0.4 |
| **Diabetes Mellitus** |  |  |  |
| No | — | — |  |
| Yes | 0.98 | 0.84, 1.15 | 0.8 |
| **Dyslipidemia** |  |  |  |
| No | — | — |  |
| Yes | 1.09 | 0.93, 1.29 | 0.3 |
| **Hypertension** |  |  |  |
| No | — | — |  |
| Yes | 0.93 | 0.77, 1.12 | 0.4 |
| **Peripheral Artery Disease** |  |  |  |
| No | — | — |  |
| Yes | 0.86 | 0.54, 1.36 | 0.5 |
| **Prior CABG** |  |  |  |
| No | — | — |  |
| Yes | 0.71 | 0.44, 1.15 | 0.2 |
| **Prior MI** |  |  |  |
| No | — | — |  |
| Yes | 1.19 | 0.85, 1.68 | 0.3 |
| **Prior PCI** |  |  |  |
| No | — | — |  |
| Yes | 1.17 | 0.81, 1.67 | 0.4 |
| **No Medical History** |  |  |  |
| No | — | — |  |
| Yes | 1.10 | 0.87, 1.40 | 0.4 |
| **Chronic Kidney Disease** |  |  |  |
| No | — | — |  |
| Yes | 0.88 | 0.70, 1.12 | 0.3 |
| **Pulmonary Disease** |  |  |  |
| No | — | — |  |
| Yes | 1.04 | 0.66, 1.64 | 0.9 |
| **COPD** |  |  |  |
| No | — | — |  |
| Yes | 0.97 | 0.63, 1.48 | 0.9 |
| **Interstitial Lung Disease (ILD)** |  |  |  |
| No | — | — |  |
| Yes | 2.43 | 1.03, 5.72 | **0.042** |
| **Asthma** |  |  |  |
| No | — | — |  |
| Yes | 1.05 | 0.69, 1.62 | 0.8 |
| **Other Pulmonary Disease** |  |  |  |
| No | — | — |  |
| Yes | 0.83 | 0.49, 1.40 | 0.5 |
| **Organ Transplant** |  |  |  |
| No | — | — |  |
| Yes | 1.68 | 1.07, 2.62 | **0.023** |
| **Congenital heart disease** |  |  |  |
| No | — | — |  |
| Yes | 4.39 | 1.42, 13.5 | **0.010** |
| **Pulmonary Arterial Hypertension** |  |  |  |
| No | — | — |  |
| Yes | 1.56 | 0.68, 3.60 | 0.3 |
| **Cerebrovascular Disease, Stroke, or TIA** |  |  |  |
| No | — | — |  |
| Yes | 0.67 | 0.51, 0.89 | **0.005** |
| **DVT or Pulmonary Embolism** |  |  |  |
| No | — | — |  |
| Yes | 0.50 | 0.34, 0.72 | **<0.001** |
| **Smoking or Vaping** |  |  |  |
| No | — | — |  |
| Yes | 0.96 | 0.72, 1.28 | 0.8 |
| **DOCUSYMP\_12** |  |  |  |
| No | — | — |  |
| Yes | 0.65 | 0.51, 0.84 | **<0.001** |
| **admonth** |  |  |  |
| April | — | — |  |
| August | 1.74 | 1.24, 2.43 | **0.001** |
| BM | 0.00 | 0.00, Inf | >0.9 |
| July | 1.78 | 1.34, 2.35 | **<0.001** |
| June | 2.55 | 1.96, 3.31 | **<0.001** |
| March | 0.48 | 0.38, 0.60 | **<0.001** |
| May | 2.05 | 1.63, 2.58 | **<0.001** |
| September | 0.56 | 0.31, 1.00 | 0.052 |
| 1OR = Odds Ratio, CI = Confidence Interval | | | |