|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modifiers | OR | 95% CI | p | p interaction |
| Age categories |  |  |  | 0.740 |
| Q1 (18-60) | 1.06 | 1.05-1.08 | **<0.001** |  |
| Q2 (61-77) | 1.07 | 1.05-1.08 | **<0.001** |  |
| Q3 (78-99) | 1.07 | 1.05-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.07 | **<0.001** |  |
| Sex |  |  |  | 0.256 |
| Male | 1.07 | 1.06-1.08 | **<0.001** |  |
| Female | 1.06 | 1.05-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Admission type |  |  |  | 0.234 |
| Urgent | 1.05 | 1.01-1.10 | **0.009** |  |
| Emergency | 1.07 | 1.06-1.07 | **<0.001** |  |
| Elective | 1.09 | 1.06-1.13 | **<0.001** |  |
| Total | 1.07 | 1.06-1.07 | **<0.001** |  |
| Ethnicity |  |  |  | 0.681 |
| White | 1.07 | 1.06-1.08 | **<0.001** |  |
| Black | 1.07 | 1.05-1.10 | **<0.001** |  |
| Asian | 1.08 | 1.02-1.14 | **0.008** |  |
| Hispanic/Latino | 1.10 | 1.05-1.16 | **<0.001** |  |
| Other | 1.06 | 1.04-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| SAPS II categories |  |  |  | **<0.001** |
| Q1 (4-28) | 1.07 | 1.03-1.12 | **<0.001** |  |
| Q2 (29-35) | 1.00 | 0.97-1.03 | 0.838 |  |
| Q3 (36-41) | 0.97 | 0.95-1.00 | **0.030** |  |
| Q4 (42-50) | 1.01 | 1.00-1.03 | 0.144 |  |
| Q5 (51-114) | 1.02 | 1.01-1.04 | **<0.001** |  |
| Total | 1.01 | 1.00-1.02 | **0.004** |  |
| SOFA categories |  |  |  | 0.419 |
| Q1 (2-3) | 1.06 | 1.04-1.08 | **<0.001** |  |
| Q2 (4-5) | 1.05 | 1.03-1.07 | **<0.001** |  |
| Q3 (6-21) | 1.05 | 1.04-1.06 | **<0.001** |  |
| Total | 1.05 | 1.04-1.06 | **<0.001** |  |
| Elixhauser Comorbidity Index (SID30) categories |  |  |  | **0.003** |
| Q1 (-22-1) | 1.09 | 1.06-1.13 | **<0.001** |  |
| Q2 (2-10) | 1.08 | 1.06-1.10 | **<0.001** |  |
| Q3 (11-16) | 1.06 | 1.04-1.08 | **<0.001** |  |
| Q4 (17-24) | 1.06 | 1.05-1.08 | **<0.001** |  |
| Q5 (25-74) | 1.04 | 1.03-1.06 | **<0.001** |  |
| Total | 1.06 | 1.05-1.07 | **<0.001** |  |
| Sepsis (based on ICD-9) |  |  |  | **<0.001** |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.04 | 1.02-1.05 | **<0.001** |  |
| Total | 1.06 | 1.05-1.07 | **<0.001** |  |
| Mechanical ventilation on first day |  |  |  | 0.611 |
| No | 1.09 | 1.07-1.10 | **<0.001** |  |
| Yes | 1.08 | 1.07-1.09 | **<0.001** |  |
| Total | 1.08 | 1.07-1.09 | **<0.001** |  |
| Renal replacement therapy on first day |  |  |  | 0.165 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.05 | 1.02-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Congestive heart failure |  |  |  | **0.020** |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.07 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Cardiac arrhythmias |  |  |  | **0.049** |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.07 | **<0.001** |  |
| Total | 1.07 | 1.06-1.07 | **<0.001** |  |
| Valvular disease |  |  |  | 0.518 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Pulmonary circulation disorder |  |  |  | 0.610 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.09 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Peripheral vascular disorder |  |  |  | 0.081 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.05 | 1.03-1.07 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Hypertension |  |  |  | 0.781 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.07 | 1.06-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Paralysis |  |  |  | 0.395 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.05 | 1.01-1.09 | **0.026** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Other neurological disease |  |  |  | 0.426 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Chronic pulmonary disease |  |  |  | 0.542 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.05-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Uncomplicated diabetes |  |  |  | 0.907 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.07 | 1.05-1.09 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Complicated diabetes |  |  |  | 0.450 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.08 | 1.05-1.11 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Hypothyroidism |  |  |  | 0.386 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.03-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Renal failure |  |  |  | 0.310 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Liver disease |  |  |  | 0.985 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.07 | 1.05-1.09 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| AIDS |  |  |  | 0.071 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.02 | 0.97-1.07 | 0.494 |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Lymphoma |  |  |  | 0.768 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.07 | 1.04-1.11 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Metastatic cancer |  |  |  | 0.190 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.03-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Solid tumor |  |  |  | 0.487 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.08 | 1.05-1.11 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Rheumatoid arthritis |  |  |  | 0.922 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.07 | 1.02-1.11 | **0.002** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Coagulopathy |  |  |  | **0.004** |
| No | 1.07 | 1.07-1.08 | **<0.001** |  |
| Yes | 1.05 | 1.03-1.06 | **<0.001** |  |
| Total | 1.07 | 1.06-1.07 | **<0.001** |  |
| Obesity |  |  |  | 0.769 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.03-1.10 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Weight loss |  |  |  | **0.045** |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.04 | 1.02-1.07 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Fluid and electrolyte disorders |  |  |  | 0.088 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.05-1.07 | **<0.001** |  |
| Total | 1.07 | 1.06-1.07 | **<0.001** |  |
| Blood loss anemia |  |  |  | 0.462 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.05 | 1.01-1.10 | **0.021** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Deficiency anemia |  |  |  | 0.140 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.04-1.07 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Alcohol abuse |  |  |  | 0.371 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.06 | 1.03-1.08 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Drug abuse |  |  |  | 0.556 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.05 | 0.99-1.11 | 0.094 |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Psychoses |  |  |  | 0.508 |
| No | 1.07 | 1.06-1.08 | **<0.001** |  |
| Yes | 1.05 | 1.00-1.11 | 0.074 |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |
| Depression |  |  |  | 0.061 |
| No | 1.07 | 1.06-1.07 | **<0.001** |  |
| Yes | 1.10 | 1.07-1.13 | **<0.001** |  |
| Total | 1.07 | 1.06-1.08 | **<0.001** |  |