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| --- | --- | --- | --- |
| Preoperative Characteristics | Odds Ratio (95% ci); p-value | | |
|  | DIED | LOS | anastomotic\_leak |
| Age > 65 | 1.80 (0.82, 3.94); 0.144 | 2.25 (1.72, 2.93); < 0.01 | 0.86 (0.44, 1.70); 0.730 |
| APRDRG\_Risk\_Mortality | 43.77 (16.68, 114.85); < 0.01 | 18.50 (14.28, 23.98); < 0.01 | 28.49 (12.83, 63.27); < 0.01 |
| APRDRG\_Severity | 58.05 (17.56, 191.92); < 0.01 | 31.76 (23.73, 42.52); < 0.01 | 48.59 (17.06, 138.40); < 0.01 |
| Median household income for patient's ZIP Code | 1.59 (0.73, 3.49); 0.262 | 1.68 (1.30, 2.18); < 0.01 | 2.03 (1.00, 4.12); 0.057 |
| Male | 2.91 (1.29, 6.54); < 0.01 | 1.69 (1.33, 2.16); < 0.01 | 2.21 (1.07, 4.54); 0.037 |
| Female | 0.34 (0.15, 0.78); < 0.01 | 0.59 (0.46, 0.75); < 0.01 | 0.45 (0.22, 0.93); 0.037 |
| Unknown sex | n/a | n/a | n/a |
| Medicare primary payer | 1.61 (0.75, 3.44); 0.270 | 1.77 (1.37, 2.28); < 0.01 | 0.56 (0.28, 1.11); 0.118 |
| Medicaid primary payer | 3.67 (1.10, 12.26); 0.059 | 1.04 (0.52, 2.06); 0.859 | 2.05 (0.49, 8.64); 0.269 |
| Private insurance primary payer | 0.39 (0.16, 0.96); 0.038 | 0.56 (0.43, 0.73); < 0.01 | 1.41 (0.72, 2.77); 0.377 |
| Self-pay primary payer | n/a | 1.85 (0.65, 5.27); 0.286 | 3.92 (0.52, 29.47); 0.235 |
| No charge | n/a | n/a | n/a |
| Other primary payer | 1.99 (0.27, 14.80); 0.405 | 0.38 (0.09, 1.56); 0.239 | 1.75 (0.24, 12.94); 0.445 |
| Unknown primary payer | n/a | n/a | n/a |
| White | 0.65 (0.31, 1.36); 0.303 | 0.78 (0.60, 1.01); 0.058 | 0.61 (0.30, 1.21); 0.175 |
| Black | 1.61 (0.56, 4.65); 0.328 | 1.31 (0.89, 1.92); 0.164 | 0.65 (0.16, 2.73); 0.765 |
| Hispanic | 1.36 (0.32, 5.76); 0.660 | 1.44 (0.89, 2.31); 0.128 | 1.85 (0.56, 6.11); 0.239 |
| Asian or Pacific Islander | n/a | 0.89 (0.32, 2.46); 1.000 | n/a |
| Native American | 11.54 (1.47, 90.70); 0.091 | 1.09 (0.14, 8.29); 0.616 | n/a |
| Other | n/a | 0.46 (0.15, 1.48); 0.288 | n/a |
| Unknown race | 1.44 (0.50, 4.15); 0.527 | 1.25 (0.86, 1.81); 0.260 | 2.91 (1.31, 6.47); 0.014 |
| Not transferred | n/a | 0.89 (0.32, 2.47); 0.781 | n/a |
| Transferred from acute care hospital | n/a | 2.18 (0.27, 17.74); 0.400 | n/a |
| Transferred from another type of health facility | n/a | 1.45 (0.34, 6.22); 0.650 | n/a |
| Unknown transfer status | n/a | 0.58 (0.08, 4.31); 1.000 | n/a |
| AIDS/HIV | n/a | n/a | n/a |
| Diabetes with chronic complication | n/a | n/a | n/a |
| Renal disease | 4.63 (1.97, 10.88); < 0.01 | 3.61 (2.60, 5.01); < 0.01 | 3.24 (1.33, 7.90); 0.018 |
| Any malignancy, including lymphoma and leukaemia, except malignant neoplasm of skin | 1.66 (0.76, 3.64); 0.265 | 1.27 (0.99, 1.62); 0.066 | 0.90 (0.46, 1.78); 0.862 |
| Congestive heart failure | 6.08 (2.58, 14.33); < 0.01 | 4.30 (3.04, 6.09); < 0.01 | 4.26 (1.75, 10.39); < 0.01 |
| Peripheral vascular disease | 1.78 (0.42, 7.55); 0.324 | 1.81 (1.11, 2.96); 0.026 | n/a |
| Hemiplegia or paraplegia | n/a | 3.39 (0.73, 15.78); 0.145 | n/a |
| Rheumatic disease | 3.32 (0.78, 14.13); 0.134 | 1.89 (1.00, 3.58); 0.057 | 1.39 (0.19, 10.29); 0.521 |
| Mild liver disease | 2.04 (0.48, 8.64); 0.272 | 1.12 (0.60, 2.09); 0.738 | 1.78 (0.42, 7.51); 0.323 |
| Diabetes without chronic complication | n/a | 2.07 (0.81, 5.31); 0.182 | 3.44 (0.46, 25.76); 0.262 |
| Moderate or severe liver disease | 55.89 (10.81, 288.97); < 0.01 | 9.21 (2.19, 38.71); 0.010 | n/a |
| Metastatic solid tumour | 0.53 (0.13, 2.22); 0.571 | 1.67 (1.22, 2.28); < 0.01 | 0.99 (0.35, 2.81); 1.000 |
| Peptic ulcer disease | 6.20 (0.81, 47.23); 0.158 | 9.22 (4.18, 20.33); < 0.01 | 5.44 (0.72, 41.31); 0.177 |
| Dementia | n/a | 3.39 (0.73, 15.78); 0.145 | 14.20 (1.77, 114.14); 0.076 |
| Chronic pulmonary disease | 1.12 (0.43, 2.94); 0.798 | 2.01 (1.52, 2.65); < 0.01 | 0.97 (0.37, 2.51); 1.000 |