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| --- | --- | --- | --- |
| Preoperative Characteristics | Odds Ratio (95% ci); p-value | | |
|  | DIED | LOS | anastomotic\_leak |
| Age > 65 | 3.82 (2.28, 6.38); < 0.01 | 1.71 (1.51, 1.95); < 0.01 | 0.76 (0.53, 1.11); 0.173 |
| APRDRG\_Risk\_Mortality | 56.47 (29.53, 108.02); < 0.01 | 8.67 (7.64, 9.83); < 0.01 | 14.94 (9.72, 22.95); < 0.01 |
| APRDRG\_Severity | 32.06 (18.01, 57.06); < 0.01 | 12.62 (11.08, 14.38); < 0.01 | 22.85 (13.44, 38.84); < 0.01 |
| Median household income for patient's ZIP Code | 1.02 (0.69, 1.53); 0.918 | 1.23 (1.09, 1.40); < 0.01 | 1.15 (0.77, 1.73); 0.520 |
| Male | 1.40 (0.98, 2.00); 0.071 | 1.41 (1.26, 1.59); < 0.01 | 1.44 (0.99, 2.09); 0.060 |
| Female | 0.72 (0.50, 1.02); 0.071 | 0.71 (0.63, 0.80); < 0.01 | 0.70 (0.48, 1.01); 0.060 |
| Unknown sex | n/a | n/a | n/a |
| Medicare primary payer | 4.58 (2.66, 7.86); < 0.01 | 1.61 (1.41, 1.82); < 0.01 | 0.79 (0.55, 1.15); 0.245 |
| Medicaid primary payer | 0.52 (0.13, 2.11); 0.593 | 1.22 (0.89, 1.67); 0.228 | 2.45 (1.18, 5.06); 0.023 |
| Private insurance primary payer | 0.22 (0.12, 0.41); < 0.01 | 0.60 (0.52, 0.68); < 0.01 | 0.90 (0.60, 1.34); 0.687 |
| Self-pay primary payer | 0.69 (0.10, 5.00); 1.000 | 0.84 (0.47, 1.49); 0.678 | 2.34 (0.73, 7.49); 0.145 |
| No charge | n/a | 0.85 (0.19, 3.68); 1.000 | 5.24 (0.69, 39.74); 0.183 |
| Other primary payer | n/a | 0.67 (0.40, 1.12); 0.141 | 2.08 (0.76, 5.72); 0.136 |
| Unknown primary payer | n/a | 1.13 (0.14, 9.37); 1.000 | n/a |
| White | 1.11 (0.76, 1.60); 0.640 | 1.04 (0.93, 1.18); 0.501 | 1.04 (0.71, 1.53); 0.922 |
| Black | 0.57 (0.25, 1.29); 0.245 | 1.09 (0.89, 1.34); 0.418 | 1.08 (0.56, 2.08); 0.732 |
| Hispanic | 0.88 (0.36, 2.17); 1.000 | 0.81 (0.60, 1.09); 0.178 | 1.38 (0.64, 2.98); 0.365 |
| Asian or Pacific Islander | 0.48 (0.07, 3.47); 0.726 | 0.61 (0.35, 1.06); 0.081 | 1.07 (0.26, 4.36); 0.712 |
| Native American | 2.09 (0.29, 15.36); 0.387 | 0.97 (0.38, 2.47); 1.000 | 2.28 (0.31, 16.74); 0.363 |
| Other | 1.63 (0.51, 5.18); 0.438 | 1.19 (0.76, 1.86); 0.466 | 1.78 (0.56, 5.66); 0.247 |
| Unknown race | 1.07 (0.70, 1.64); 0.739 | 0.98 (0.84, 1.13); 0.770 | 0.72 (0.43, 1.19); 0.244 |
| Not transferred | 0.89 (0.62, 1.28); 0.576 | 0.92 (0.82, 1.04); 0.180 | 3.05 (1.86, 5.00); < 0.01 |
| Transferred from acute care hospital | 4.09 (0.54, 30.71); 0.227 | 7.50 (3.18, 17.69); < 0.01 | n/a |
| Transferred from another type of health facility | 7.78 (2.75, 22.02); < 0.01 | 1.83 (0.91, 3.70); 0.121 | n/a |
| Unknown transfer status | 0.97 (0.67, 1.40); 0.926 | 1.04 (0.92, 1.17); 0.561 | 0.34 (0.21, 0.55); < 0.01 |
| AIDS/HIV | n/a | n/a | n/a |
| Diabetes with chronic complication | n/a | n/a | n/a |
| Renal disease | 5.86 (3.88, 8.84); < 0.01 | 2.07 (1.69, 2.53); < 0.01 | 1.73 (0.92, 3.24); 0.103 |
| Any malignancy, including lymphoma and leukaemia, except malignant neoplasm of skin | 1.60 (1.02, 2.50); 0.043 | 1.62 (1.41, 1.87); < 0.01 | 0.98 (0.65, 1.48); 0.916 |
| Congestive heart failure | 5.17 (3.46, 7.73); < 0.01 | 3.45 (2.91, 4.09); < 0.01 | 1.13 (0.57, 2.24); 0.711 |
| Peripheral vascular disease | 2.67 (1.46, 4.88); < 0.01 | 1.48 (1.14, 1.93); < 0.01 | 1.36 (0.60, 3.12); 0.460 |
| Hemiplegia or paraplegia | 3.41 (0.46, 25.38); 0.264 | 5.35 (2.42, 11.81); < 0.01 | 3.71 (0.50, 27.67); 0.245 |
| Rheumatic disease | 1.09 (0.27, 4.43); 0.708 | 0.79 (0.47, 1.34); 0.464 | 0.58 (0.08, 4.20); 1.000 |
| Mild liver disease | 5.12 (3.14, 8.35); < 0.01 | 0.99 (0.73, 1.34); 1.000 | 0.93 (0.34, 2.53); 1.000 |
| Diabetes without chronic complication | n/a | 0.90 (0.32, 2.56); 1.000 | 8.77 (2.64, 29.11); < 0.01 |
| Moderate or severe liver disease | 6.55 (2.00, 21.52); 0.013 | 1.16 (0.49, 2.76); 0.644 | n/a |
| Metastatic solid tumour | 1.42 (0.96, 2.10); 0.083 | 1.74 (1.53, 1.97); < 0.01 | 2.03 (1.38, 2.98); < 0.01 |
| Peptic ulcer disease | 6.90 (2.72, 17.48); < 0.01 | 2.97 (1.75, 5.04); < 0.01 | 2.80 (0.68, 11.57); 0.168 |
| Dementia | 3.41 (0.46, 25.38); 0.264 | 0.92 (0.28, 3.09); 1.000 | n/a |
| Chronic pulmonary disease | 1.91 (1.28, 2.86); < 0.01 | 1.57 (1.36, 1.81); < 0.01 | 0.98 (0.59, 1.62); 1.000 |