**S4 Table. Adjusted odds ratios (OR) and 95% confidence intervals (CI) for risk factors independently associated with case status.**

|  |  |  |
| --- | --- | --- |
|  | **Full Sample** | **Subset Surgery upon Admission** |
| **Parameter** | **P-value** | **OR** | **95% CI** | **P-value** | **OR** | **95% CI** |
| Recommended Antibiotic Use | <0.01 | 7.6 | 3.9, 14.7 | <0.01 | 6.7 | 2.9, 15.5 |
| Comorbidity Severity |  |  |  |  |  |  |
|  | Level 1 | 0.15 | 1.8 | 0.81, 3.9 | 0.82 | 0.88 | 0.30, 2.6 |
|  | Level 2 | 0.03 | 3.3 | 1.1, 9.6 | 0.04 | 3.8 | 1.1, 13.9 |
|  | Level 3 | <0.01 | 5.7 | 2.3, 14.2 | 0.01 | 4.0 | 1.4, 11.7 |
| Prior Antibiotics  | <0.01 | 16.1 | 7.7, 34.0 | <0.01 | 19.1 | 8.0, 45.7 |
| Surgery Type |  |  |  |  |  |  |
|  | Colorectal  | 0.97 | 0.98 | 0.34, 2.8 | 0.55 | 1.4 | 0.4, 4.7 |
|  | Orthopedic | 0.01 | 3.4 | 1.4, 8.1 | 0.03 | 3.4 | 1.1, 10.0 |
|  | Vascular, cardiac, thoracic | 0.31 | 1.5 | 0.70, 3.1 | 0.81 | 1.1 | 0.44, 2.9 |
|  | Neurosurgery | 0.66 | 1.5 | 0.27, 7.8 | 0.87 | 1.2 | 0.2, 6.4 |
|  | Abdominal, pelvic | … | Ref | … | … | Ref | … |