**Appendix 5. Predictors of any Hospital-onset Case**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Predictor | Hospital Onset  No | Hospital Onset  Yes | OR | 95% CI | P |
| Community cases, N(%) |  |  |  |  |  |
| <500 | 13 (30.2) | 9 (15.8) | Ref | Ref | Ref |
| 500 to <1000 | 19 (44.2) | 19 (33.3) | 1.44 | 0.50 – 4.17 | 0.50 |
| 1000 to <2000 | 8 (18.6) | 17 (29.8) | 3.07 | 0.93 – 10.14 | 0.07 |
| ≥2000 | 3 (7.0) | 12 (21.1) | 5.78 | 1.26 – 26.53 | **0.02\*** |
| SARS-CoV-2 in Wastewater (MGC/person/day), N(%) |  |  |  |  |  |
| <500 | 23 (53.5) | 16 (28.1) | Ref | Ref | Ref |
| 500 to <1000 | 12 (27.9) | 11 (19.3) | 1.32 | 0.50 – 3.72 | 0.60 |
| 1000 to <1500 | 5 (11.6) | 12 (21.1) | 3.45 | 1.02 – 11.72 | **0.05\*** |
| ≥1500 | 3 (7.0) | 18 (31.6) | 8.63 | 2.17 – 34.24 | **0.002\*** |
| Health Care Worker (cases), N (%) |  |  |  |  |  |
| <50 | 34 (79.1) | 22 (38.6) | Ref | Ref | Ref |
| 50 to <100 | 5 (11.6) | 11 (19.1) | 3.40 | 1.04 – 11.12 | **0.04\*** |
| ≥100 | 4 (9.3) | 24 (42.1) | 9.27 | 2.83 – 30.38 | **<0.001\*** |
| Covid In-patients (cases), N (%) |  |  |  |  |  |
| <25 | 27 (62.8) | 15 (26.3) | Ref | Ref | Ref |
| 25 to <50 | 14 (32.6) | 32 (56.1) | 4.11 | 1.67 – 10.02 | **0.002\*** |
| ≥50 | 2 (4.7) | 10 (17.5) | 9.00 | 1.74 – 46.59 | **0.009\*** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| \*Statistically significant | | | | | |