|  |  |  |  |
| --- | --- | --- | --- |
|  | **aOR** | **95% CI** | **P value** |
| Fully Vaccination status (vs. Partially) | 2.42 | 0.71 – 8.28 | 0.15 |
| Sex (Male) | 4.03 | 1.21 – 13.40 | 0.023 |
| SPO2 (%) | 0.80 | 0.68 – 0.94 | 0.009 |
| COPD | 0.24 | 0.05 – 27.01 | 0.063 |
| Immunocompromised status | 6.32 | 1.48 – 26.18 | 0.013 |

Suppl 4 Table S4: Logistic Regression Model-2 exploring factors associated with severe breakthrough COVID-19 infection. Area Under the Receiver Operating Curve (AUC) for the LR model 0.813, 95% CI 0.71 – 0.91. LR model controlled for: Fully vs. partially vaccinated status, Sex,SPO2= Oxygen Saturation, COPD= Chronic Obstructive Pulmonary Disease, and Immunocompromised status.