|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Description** | **Value (95% CI)** | **Units** |
| *β* | Infection rate constant | 3.26 (2.21-4.31) | ×10-7 (copies/ml)-1 day-1 |
| *p* | Cellular shedding rate of virus | 1.33 (0.74-1.93) | copies/ml day-1 cell-1 |
| *c* | Clearance rate of virus | 3.30 (0.25-6.34) | day-1 |
| *t*1/2 | Half-life of viral RNA | 5.04 (2.62-66.0) | day |
| *δ* | Clearance rate of infected epithelial cells | 0.71 (0.26-1.15) | day-1 |
| *R*0,c | Cellular basic reproductive number | 9.25 | unitless |

Figure 4—Figure supplement 4. Model parameters describing SARS-CoV-2 kinetics during respiratory infection.