|  |  |  |
| --- | --- | --- |
| **Parameter** | **Value at MLE** | **Confidence Intervals** |
| Fixed infection - environmental reservoir ($ω$) | 0.011 |  0 – 0.205 |
| Duration of infection (1 / $γ$) | 5 days | 3 – 12 days |
| Duration of immunity (1 / $ϕ$)  | 14 days | 0 – 36 days |
| Reporting rate ($ρ$) | 5.8 10-5 | 1.7 10-5 – 9.6 10-5 |
| b4E  | 16 | 1.5 – 67 |
| b5E  | 14 | 0.5 – 52.5 |
| Long term trend ($ν$) | 0.005 | 0.0046 – 0.0145 |