Supplementary Table 3: Parameters estimates of the Model M2 (left) and the same model without variability in transmission (Right).

|  |  |
| --- | --- |
|  | Parameter estimates (RSE%) |
|  | Logit-Linear (M2) | Model without variability |
|  | Fixed effect | Random effect SD | Fixed effect | Random effect SD |
| $$R\_{0}$$ | $$13.6 (15)$$ | $$0.38 (21)$$ | 11 (18) | 0.376 (24) |
| $$δ (d^{-1})$$ | $$0.84 (4)$$ | $$0.037 (77)$$ | 0.87 (1.7) | 0.0342 (32.4) |
| $$p$$($cells^{-1}.d^{-1})$ | $$2.8×10^{5} (50)$$ | $$2.35 (8)$$ | $2×10^{5}$ (54) | 2.45 (8.28) |
| $$γ\_{1}$$ | 0.49 (20) | $$0.85 (32)$$ | 0.712 (13.6) | $$-$$ |
| $$γ\_{2}$$ | 0.21 (44) | 0.39 (22.4) |
| -2 x log-likelihood | 2432 | 2443 |