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| --- | --- |
|  | Parameter estimates (RSE %) |
|  | Models with a fixed incubation period |
|   | Incubation period = 4 days | Incubation period = 5 days | Incubation period = 6 days | Incubation period = 7 days |
|   | Fixed effect | Random effect SD | Fixed effect | Random effect SD | Fixed effect | Random effect SD | Fixed effect | Random effect SD |
| $$R\_{0}$$ | 28 (34) | 0.185 (71) | $$16.2 (17)$$ | $$0.23 (48)$$ | 23.1 (35) | 0.231 (61) | 23 (29) | 0.17 (97) |
| $$δ (d^{-1})$$ | 0.86 (3) | 0.0254 (55) | $$0.83 (7)$$ | $$0.045(72)$$ | 0.85 (4) | 0.034 (29) | 0.86 (4.8) | 0.0329 (62) |
| $$p$$($cells^{-1}.d^{-1})$ | $5.4×10^{5}$ (43) | 2.7 (7) | $$4.1×10^{5}$$$$(77)$$ | $$2.61 (8)$$ | $2.1×10^{6}$ (87) | 2.67 (8.02) | $5.2×10^{6}$ (54) | 2.68 (7.8) |
| $$γ\_{1}$$ | 0.38 (28) | 0.94 (40) | 0.38 (20) | 0.98 (28) | 0.38 (19) | 0.86 (30) | 0.37 (20) | 0.87 (30) |
| $$γ\_{2}$$ | 0.16 (61) | 0.16 (43) | 0.17 (41) | 0.16 (42) |

Supplementary Table 1. Parameter estimates of models with a fixed incubation period ranging from 4 to 7 days.