

Parameter	Mean	StdErr	2.5%	5%	50%	95%	97.5%
alpha (a): efficacy	0.92	0	0.92	0.92	0.92	0.92	0.92
beta (b): infection rate	0.356445	0.238498	0.0605337	0.0706659	0.296056	0.835491	0.906466
gamma (g): natural recovery rate	0.152053	0.0577146	0.054855	0.0601188	0.152982	0.240446	0.245118
delta (d): vaccination rate	0.640044	0.256311	0.0867933	0.13457	0.687291	0.97284	0.986579
lambda (l): vaccination rate	0.113537	0.0716095	0.0051432	0.010268	0.107376	0.234369	0.24122
kappa (k): second dose administration	0.047619	1.38778e-17	0.047619	0.047619	0.047619	0.047619	0.24122
rho_V1: initial proportion of first dose	0.15765	0.0845653	0.00919863	0.0177819	0.160722	0.2858	0.292825
rho_V2: initial proportion of second dose	0.0807585	0.0674945	0.00135091	0.00312939	0.0637805	0.214764	0.239769
rho_I: initial proportion of infected	0.0899482	0.0234621	0.0375008	0.0471106	0.0906998	0.127143	0.134484
R0	2.81477	2.47218	0.347344	0.43427	2.09483	7.79685	9.65898