

α	U/S contacts per unit time to yield U agents	0.5-5
β	U/S contacts per unit time to yield immune agents	0.5
γ	U/S contacts per unit time at transmission rate γ from S to V	0.2
μ	V/S contacts per unit time at transmission rate μ from S to U	0.1
ξ	$1/\xi$ time units an individual remains spreader	1-30
η	$1/\eta$ time an individual remains violent	1-20
κ	Contact rate that transmits I to U	0.5
σ	U/U contact rate transmitting them to V	0.5

Table 1: Model parameters with description and values