

Plateau model:

$$\dot{S} = -\frac{\beta SI}{\left(1 + \dot{D}/D_c\right)^a} \quad (1)$$

$$\dot{E} = \frac{\beta SI}{\left(1 + \dot{D}/D_c\right)^a} - \mu E \quad (2)$$

$$\dot{I} = \mu E - \gamma I \quad (3)$$

$$\dot{H} = f_H \gamma I - \gamma_H H \quad (4)$$

$$\dot{R} = (1 - f_H) \gamma I + \gamma_H H (1 - f_D) \quad (5)$$

$$\dot{D} = \gamma_H H f_D \quad (6)$$

where here are some initial parameters: $\beta = 0.6$, $\mu = 1/2$, $\gamma = 1/6$ (or $1/4$), $\gamma_H = 1/10$ (or $1/20$), $f_H = 0.1$, $f_D = 0.2$, $D_c = 10^{-5}$, and $a = 4$.