

How would you modify the SIR model (the equations) to distinguish between the dead and the healed?

$$\frac{dS(t)}{dt} = - \frac{\beta I(t)S(t)}{N}$$

$$\frac{dI(t)}{dt} = \frac{\beta I(t)S(t)}{N} - \gamma I(t)$$

$$\frac{dR(t)}{dt} = \gamma I(t)$$

