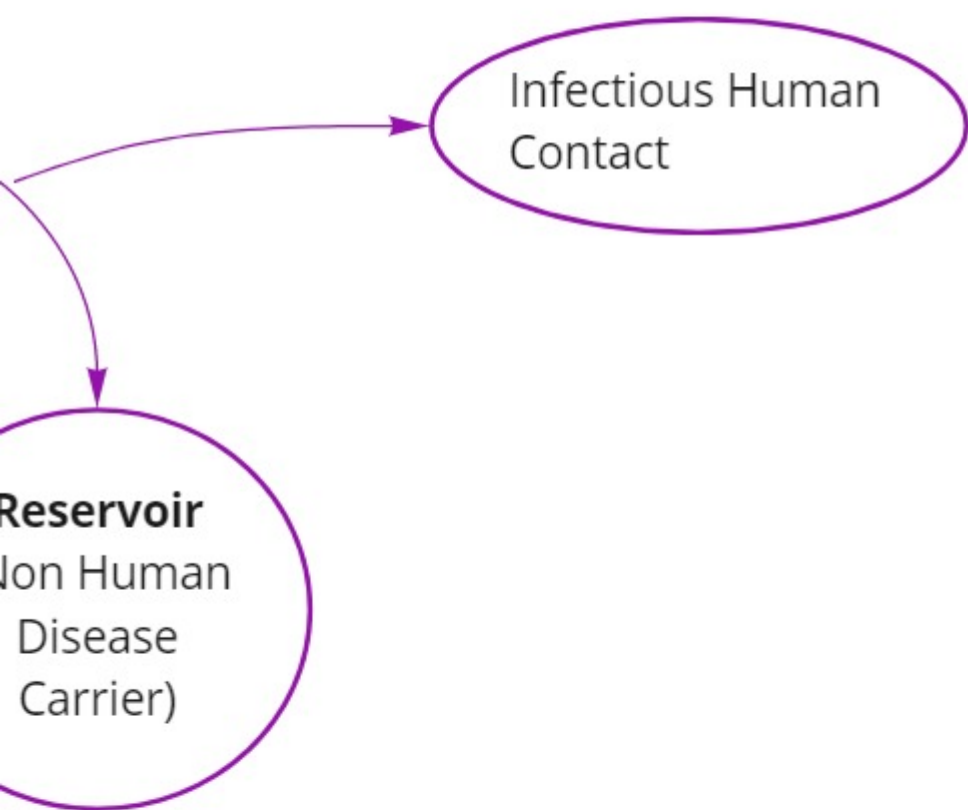


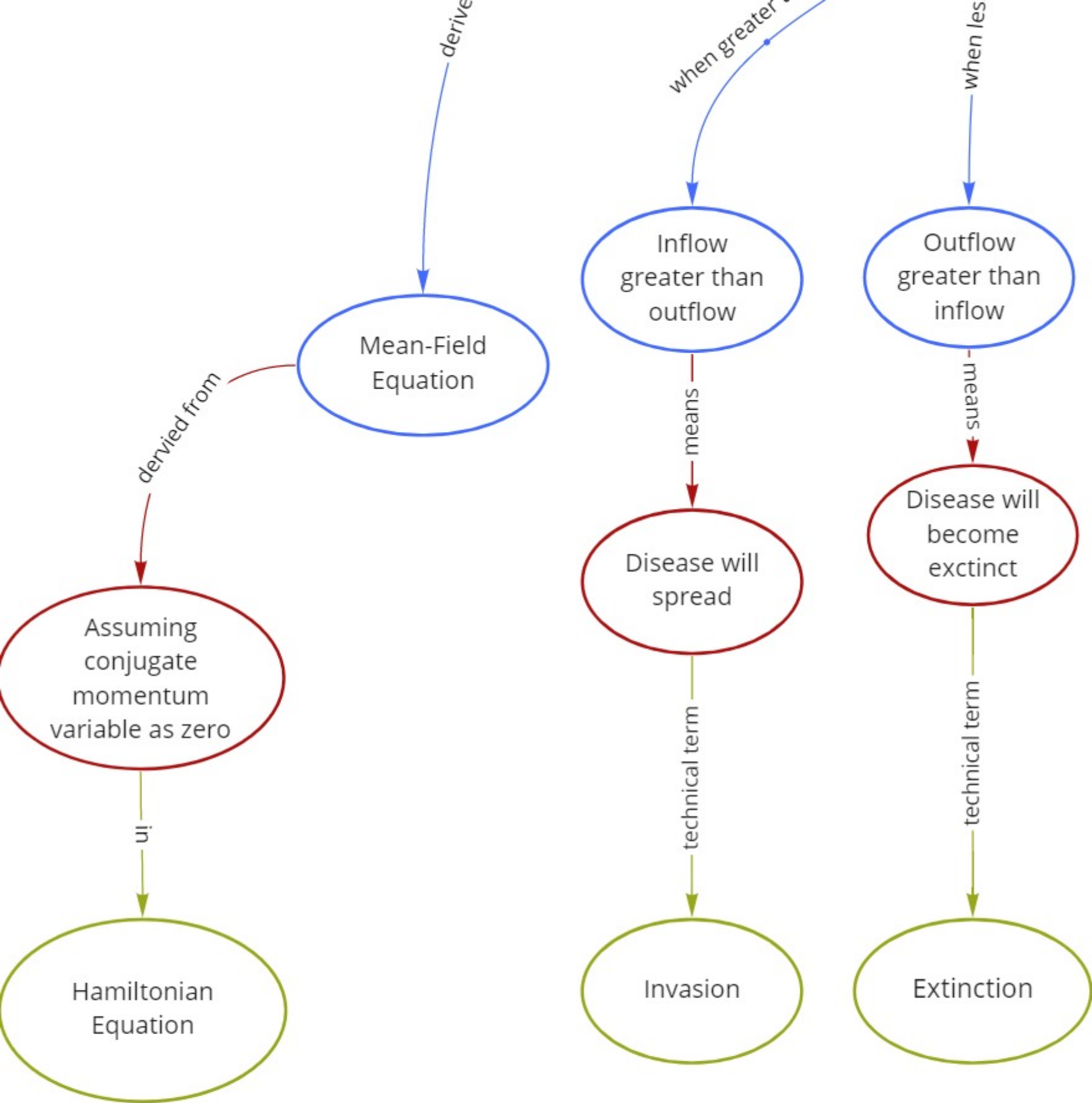
EBOLA Virus Stochastic Model

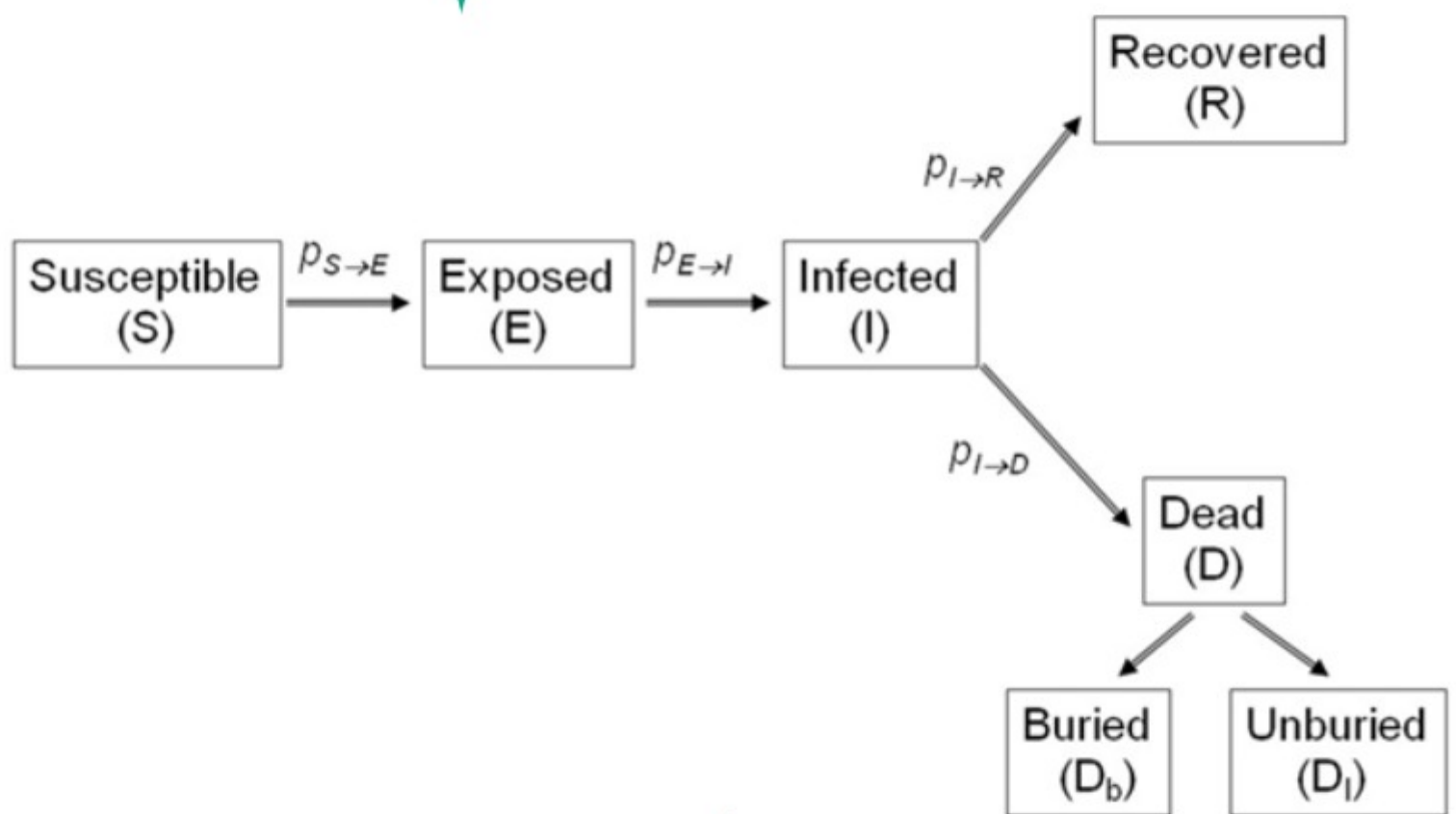
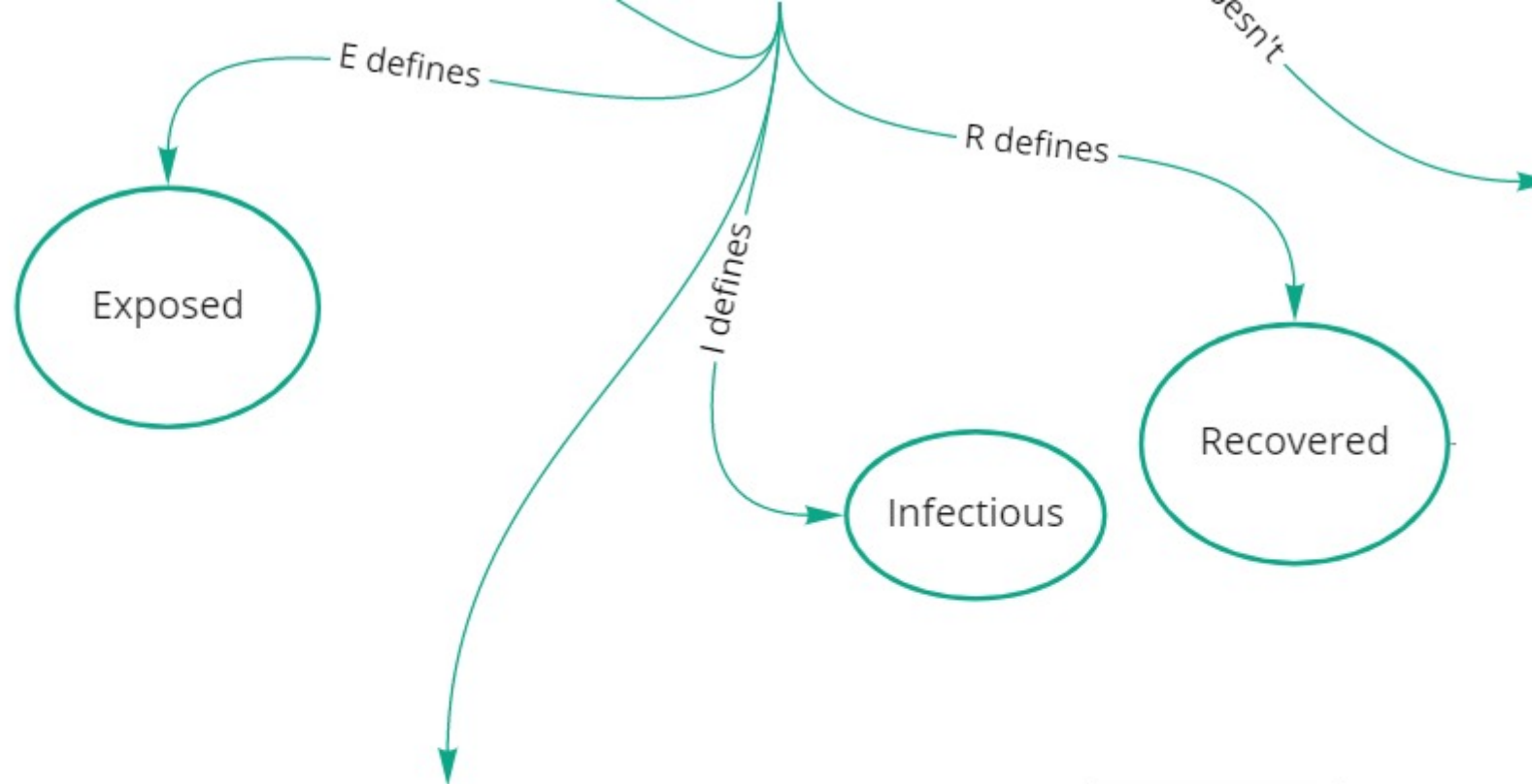
includes

type of c









$$\begin{aligned}
 \frac{dS}{dt} &= \mu(N[1-p] - S) - \frac{\beta IS}{N} \\
 \frac{dE}{dt} &= \frac{\beta IS}{N} - (\mu + \sigma)E \\
 \frac{dI}{dt} &= \sigma E - (\mu + \gamma)I \\
 \frac{dR}{dt} &= \gamma I - \mu R + \mu Np,
 \end{aligned}$$



