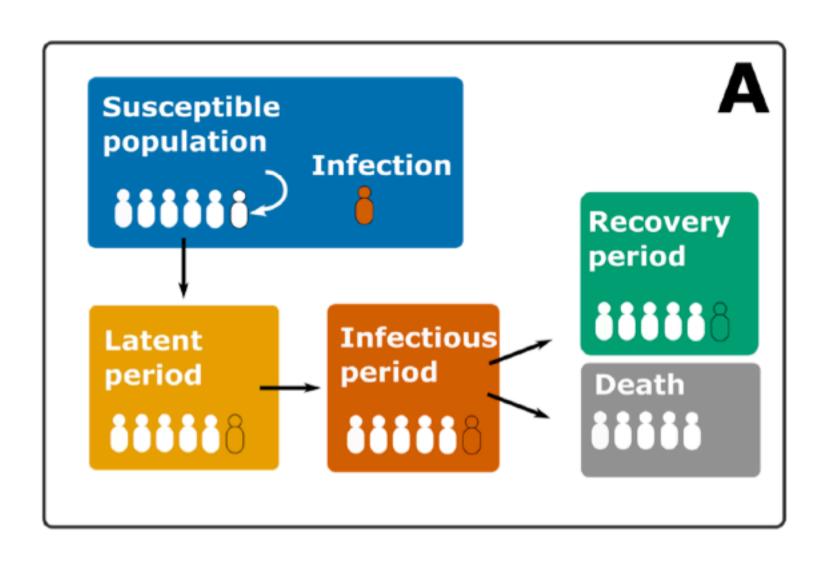
Case study Ebola outbreak

- Population is assumed homogeneous and infinite
- Simulation begins with 1 infected
- Each infected individual is in one of the four possible states
 - latent
 - infectious
 - recovered
 - perished



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 - latent $\sim \Gamma(2,5)$
 - infectious $\sim \Gamma(1,5)$ [new infections with rate $R_0 f_G(s)$]
 - recovered p=0.3, time_{reco} $\sim \Gamma(4,3)$
 - perished p=0.7, time_{die} $\sim \Gamma(4/9,9)$

