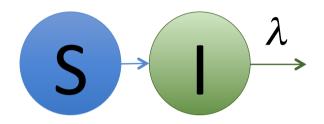
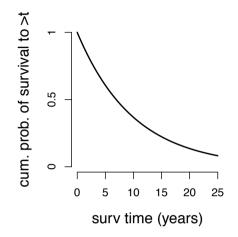
Justification of the Distributed Delay (Boxcar Model)

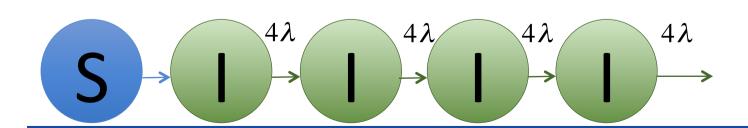
Exponential survival:

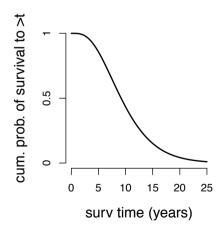




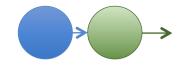
Gamma survival:

Average rate is the same, distribution is different!

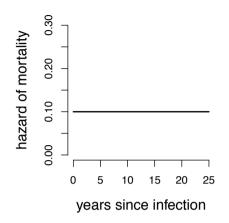


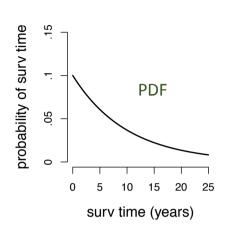


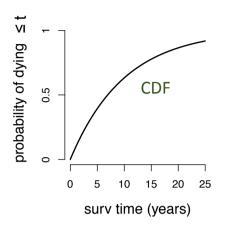


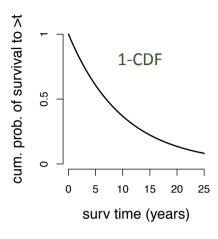


Exponential Survival Times







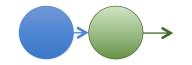


hazard of mortality: deaths / (person*year) probability of dying AT year t

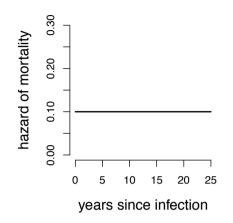
probability of dying BY year t

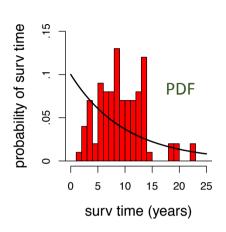
probability of surviving PAST year t

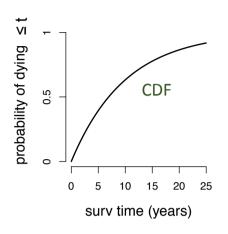


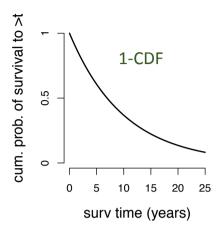


Exponential Survival Times







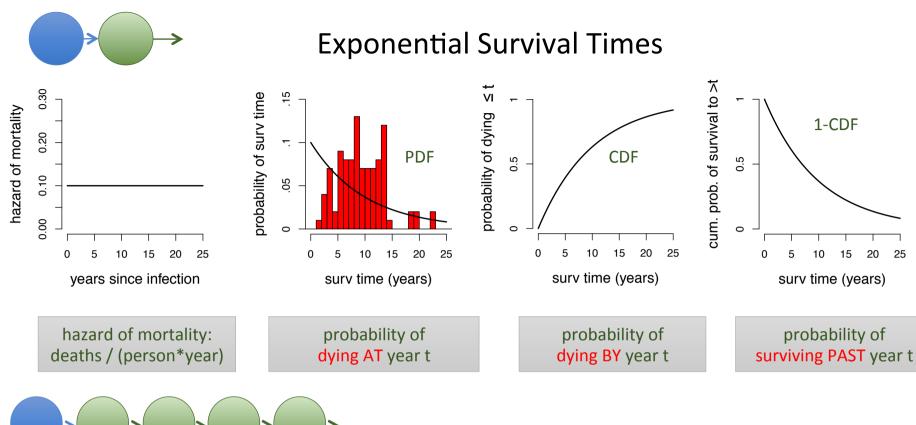


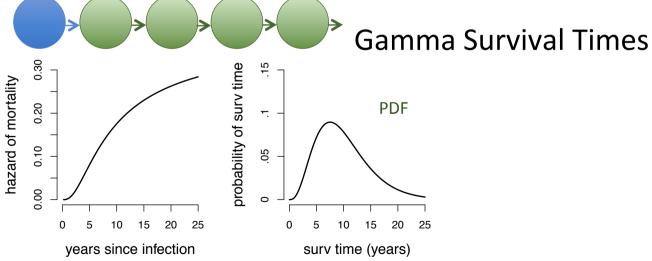
hazard of mortality: deaths / (person*year) probability of dying AT year t

probability of dying BY year t

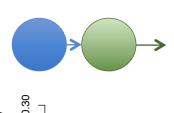
probability of surviving PAST year t



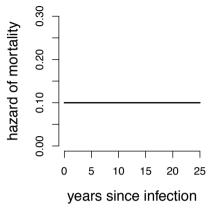


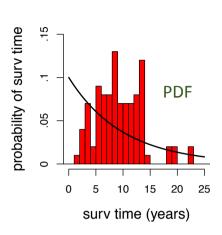


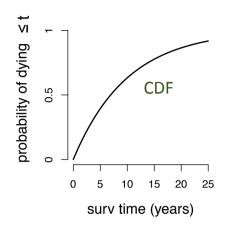


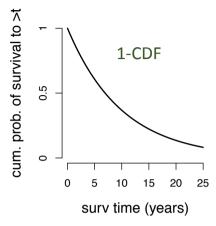


Exponential Survival Times





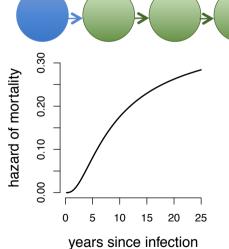


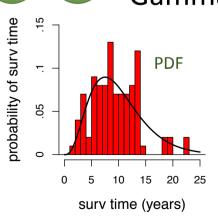


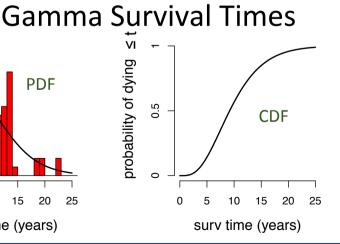
hazard of mortality: deaths / (person*year) probability of dying AT year t

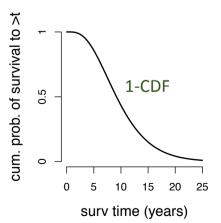
probability of dying BY year t

probability of surviving PAST year t















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