

Table 9.1

Equations representing the number of people who enter and leave a given state in the standard Kermack-McKendrick model.		
State	People entering state (+)	People leaving state (-)
Susceptible (S)	Births: birth rate λ per person in population * population size N	Deaths: death rate μ per person in this warehouse * population of this warehouse Infections: infection rate β per susceptible * susceptible pop
Infected (I)	Infections: infection rate β per susceptible * susceptible pop	Deaths: death rate μ per person in this warehouse * population of this warehouse Recoveries: recovery rate ν per infected * infected pop
Recovered (R)	Recoveries: recovery rate ν per infected * infected pop	Deaths: death rate μ per person in this warehouse * population of this warehouse

