



S: Susceptible

E: Exposed (not infectious)

Mild illness

I_M : Infectious

R_{MU} : Recovered (untested)

R_{MD} : Recovered (tested)

Severe illness

I_S : Infectious

H_{SU} : Hospitalized (severe, untested)

H_{SD} : Hospitalized (severe, tested)

R_{SU} : Recovered (severe, untested)

R_{SD} : Recovered (severe, tested)

Critical illness

I_C : Infectious

H_{CU} : Hospitalized (critical, untested)

H_{CD} : Hospitalized (critical, tested)

C_{CU} : Critical care (untested)

C_{CD} : Critical care (tested)

R_{CU} : Recovered (critical, untested)

R_{CD} : Recovered (critical, tested)