

Infection status: Susceptible Infectious

Node of residence

Effective population

Non-commuting subpopulation

Commuting subpopulation

● j

N_j^*

N_{jj}

N_{ji}

▲ i

N_i^*

N_{ii}

$N_{ij} + N_{il}$

■ l

N_l^*

N_{ll}

N_{li}

