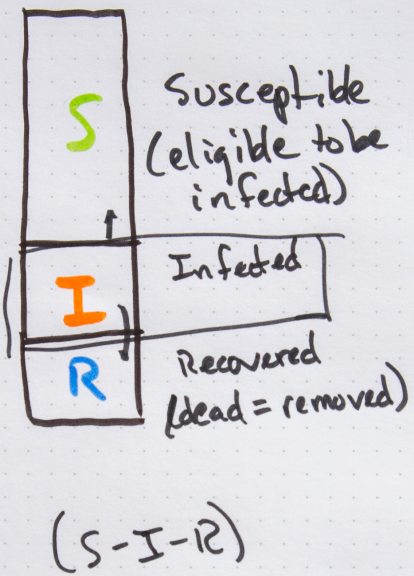
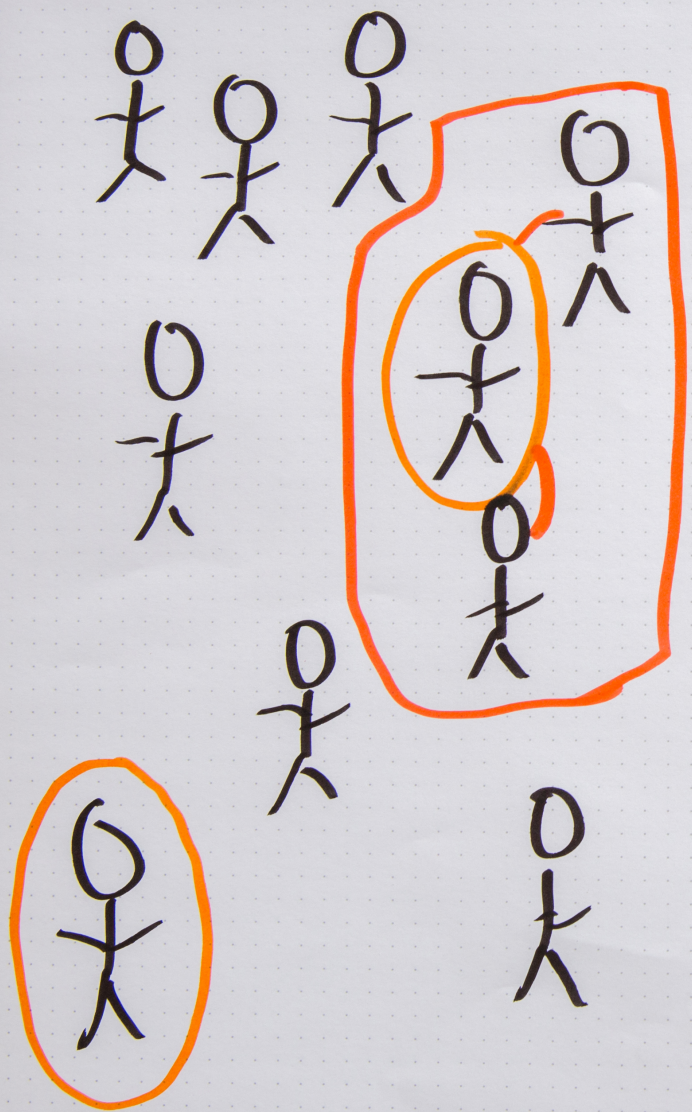
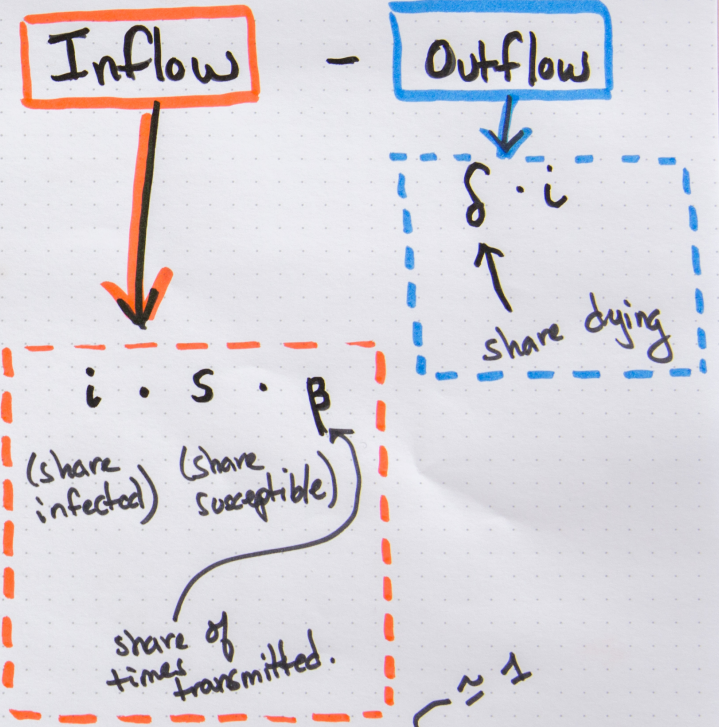


Dynamics of an Epidemic



Δ Prevalence =



epidemic if $I > 0 \Rightarrow i \cdot s \cdot \beta > \delta i$

$\beta > \delta \Rightarrow \frac{\beta}{\delta} > 1$

R₀

- disease
- precautions
- contact

- treatment