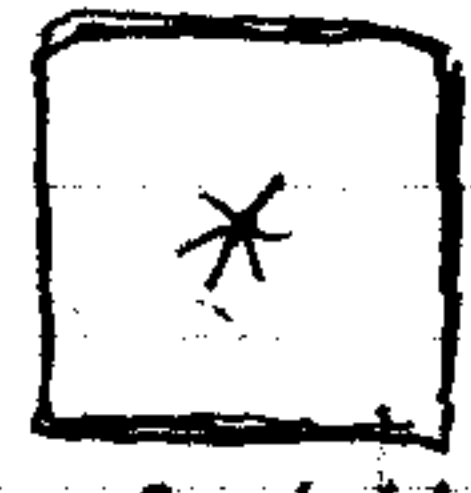
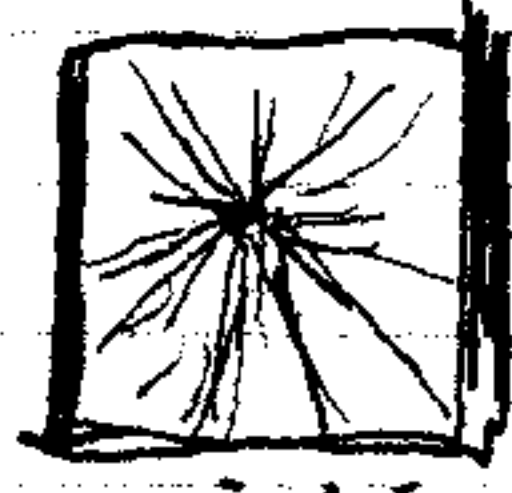
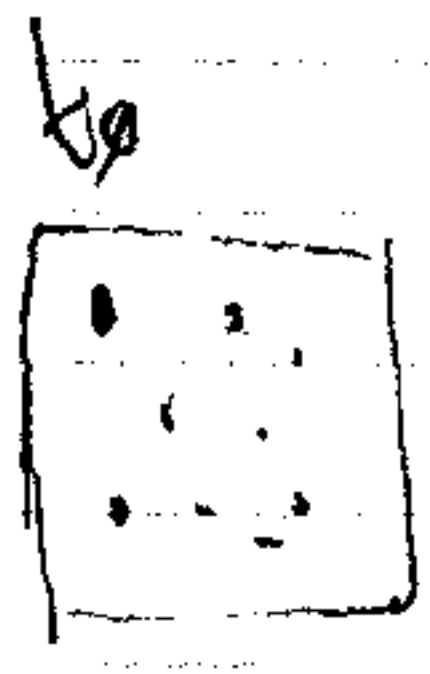


# Epidemics



## Spatial patterns important



one indiv. can infect all

one indiv. can infect neighbors

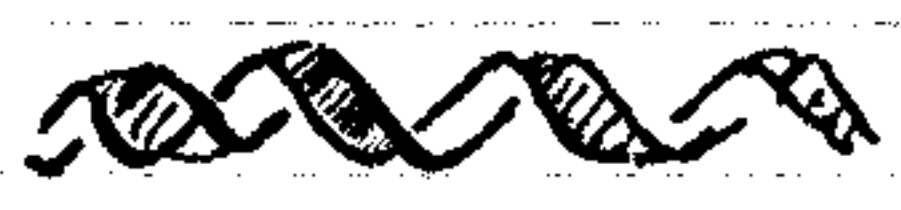
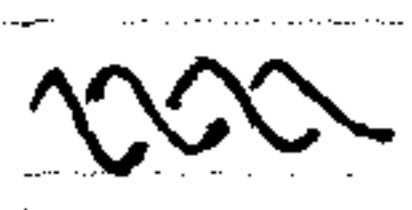


initial fraction infected

what



% infected



N



- what about lethal levels?

- infected but not infections?

- #neighbors = trans. mission rate

- how pick spatial pattern of initial infected

- what about time -- initial fraction infected would be at diff. times.

- how estimate R

- when would a disease have multiple initial infections.

- how compare to pop. size

- what about what other people do?