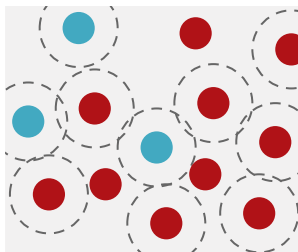


Lower Diversity



Host Competence

|      | Disease Symptoms |        |
|------|------------------|--------|
|      | Rare             | Common |
| Low  |                  |        |
| High |                  |        |

Individual-level disease risk: —

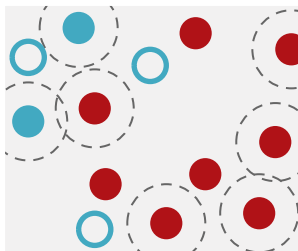
$y \sim \text{Bernoulli}(\text{probability of infection})$

Community-level disease risk: - - -

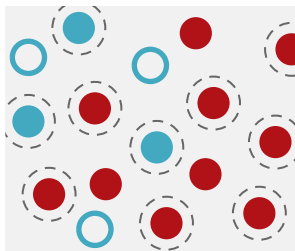
$y \sim \text{Binomial}(\text{total hosts, probability of infection})$

Low-competence, rarely symptomatic species added

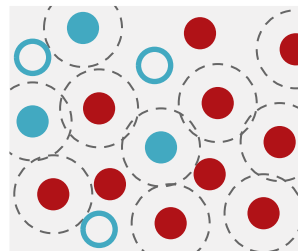
A) Competent host regulation



B) Encounter or transmission reduction



C) No plant-plant interactions



Higher Diversity

