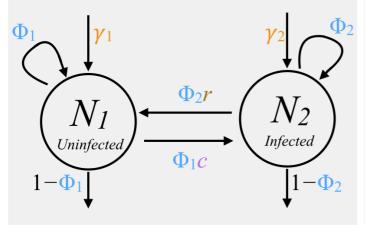
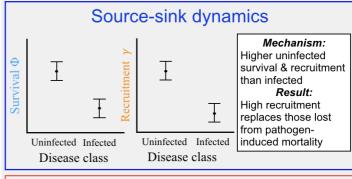


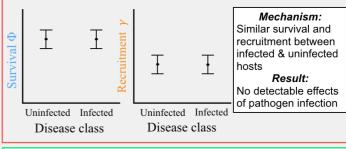
R Disease dynamics framework



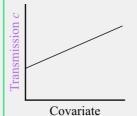
C Host-pathogen coexistence hypotheses







Spatial variation in pathogen transmission



Mechanism:

Transmission varies spatially according to covariates (e.g., host density, prevalence)

Result:

Areas of high pathogen transmission become sources of infected hosts that can disperse to less infected areas