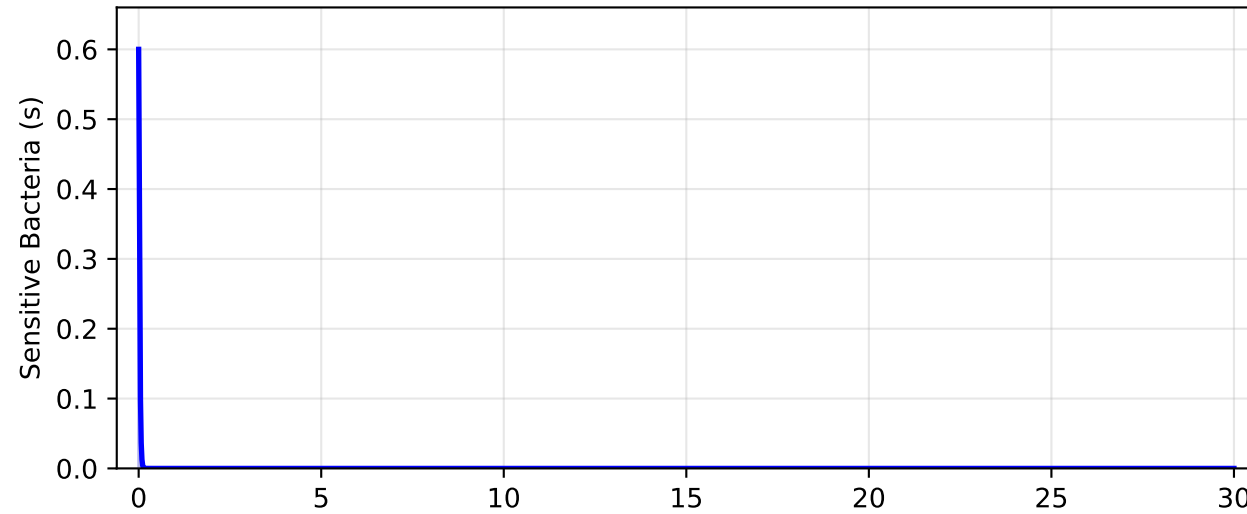


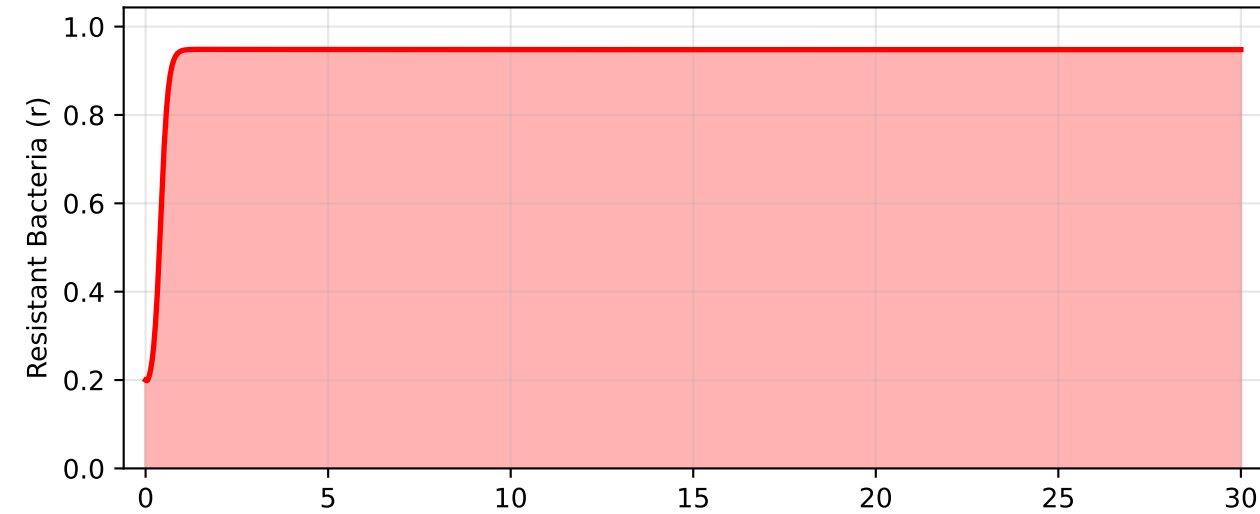
## Scenario 2: Resistant Persistence

Final  $R_s = 0.439$ , Final  $R_r = 19.640$

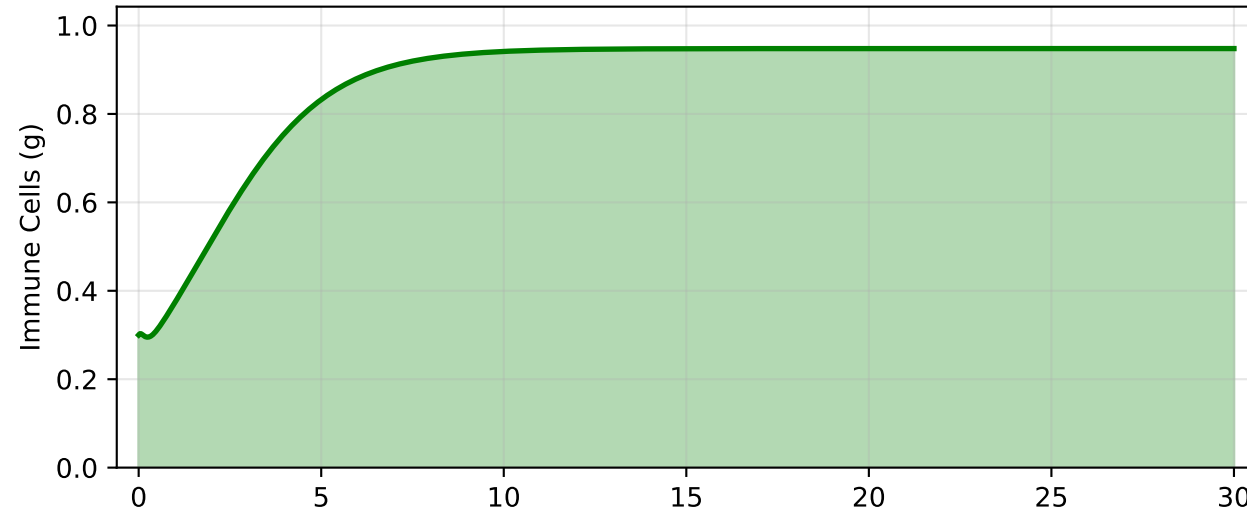
Sensitive Bacteria Dynamics



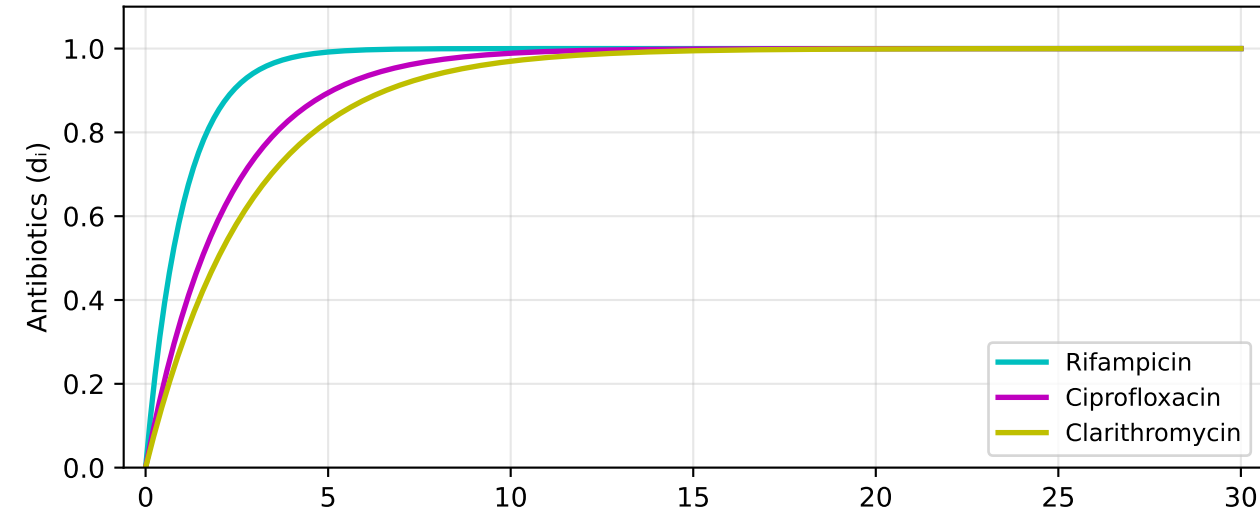
Resistant Bacteria Dynamics



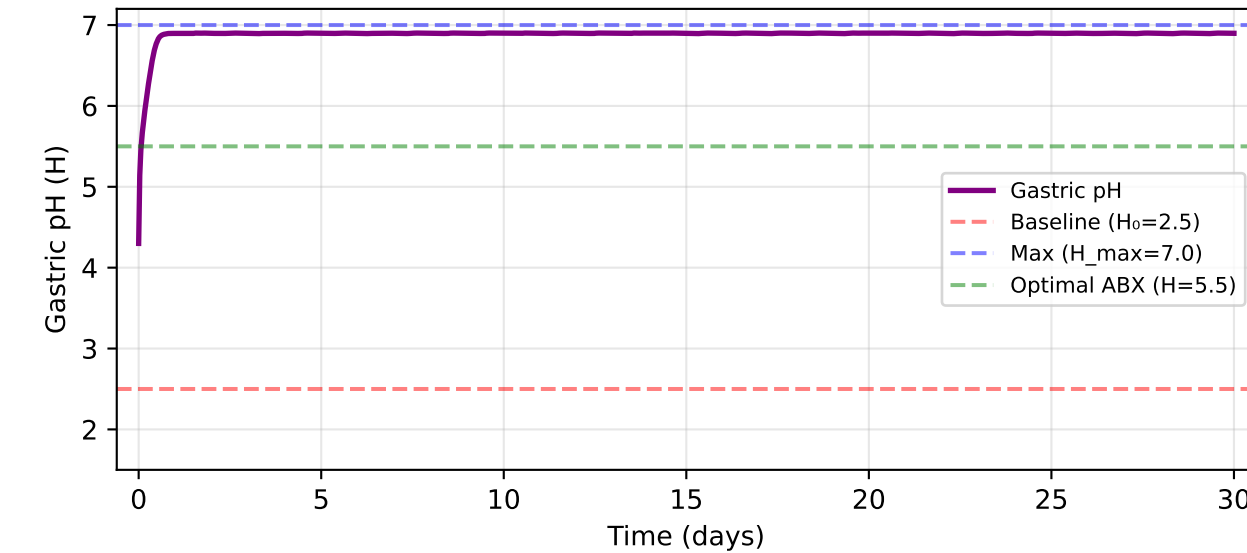
Immune Response Dynamics



Antibiotic Concentrations



Gastric pH Dynamics



Dietary Perturbation

