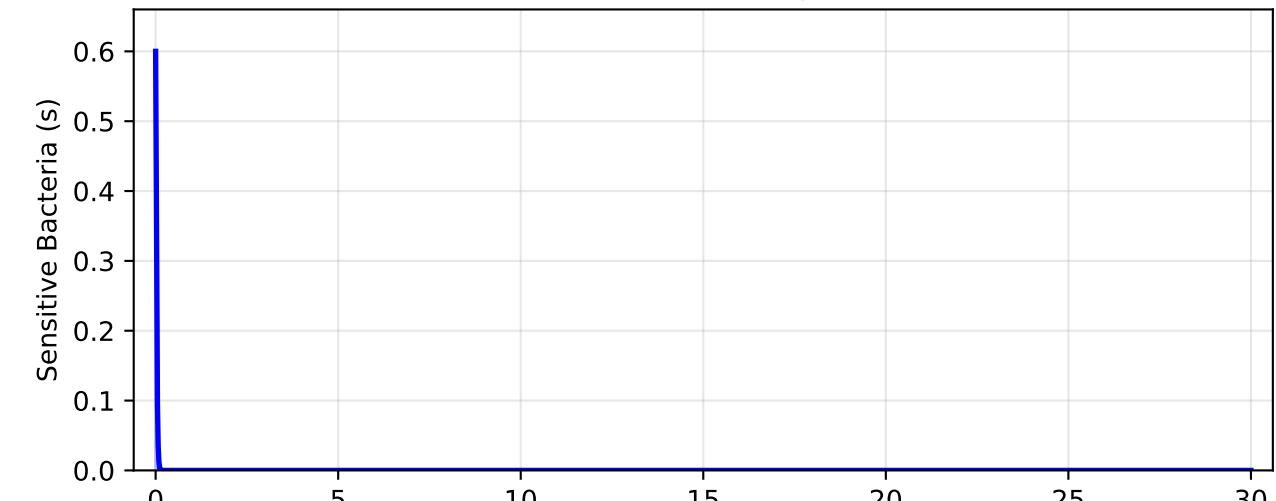
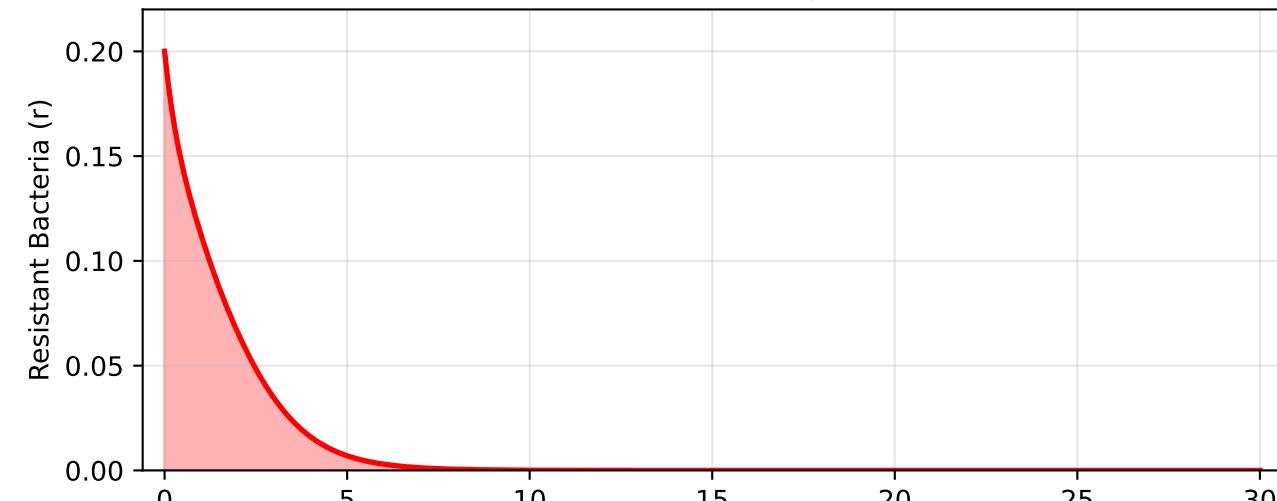


Scenario 1: Successful Eradication
Final $R_s = 0.004$, Final $R_r = 0.001$

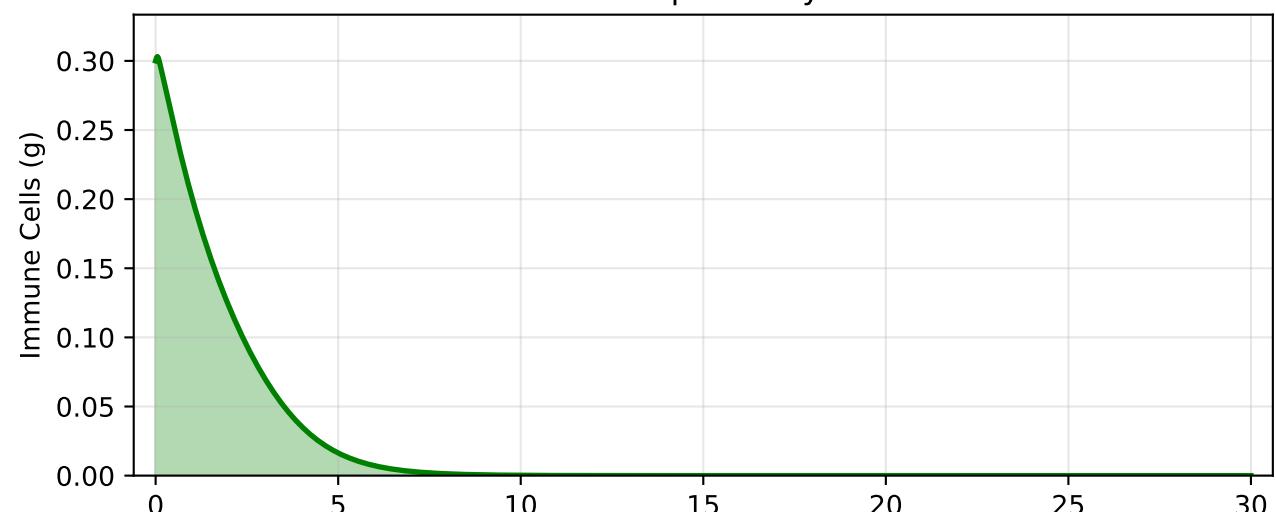
Sensitive Bacteria Dynamics



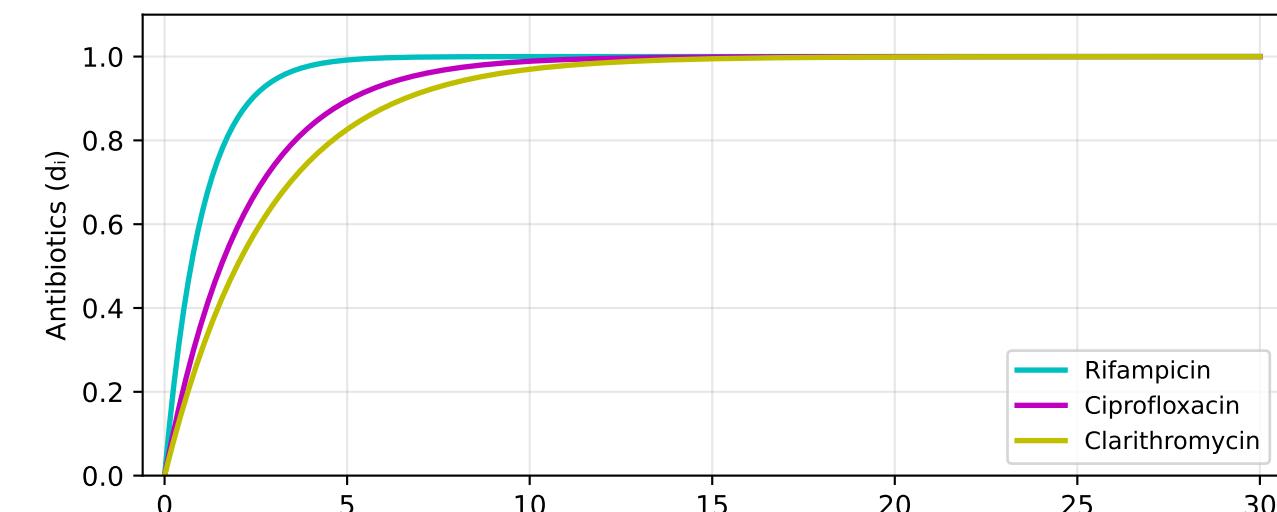
Resistant Bacteria Dynamics



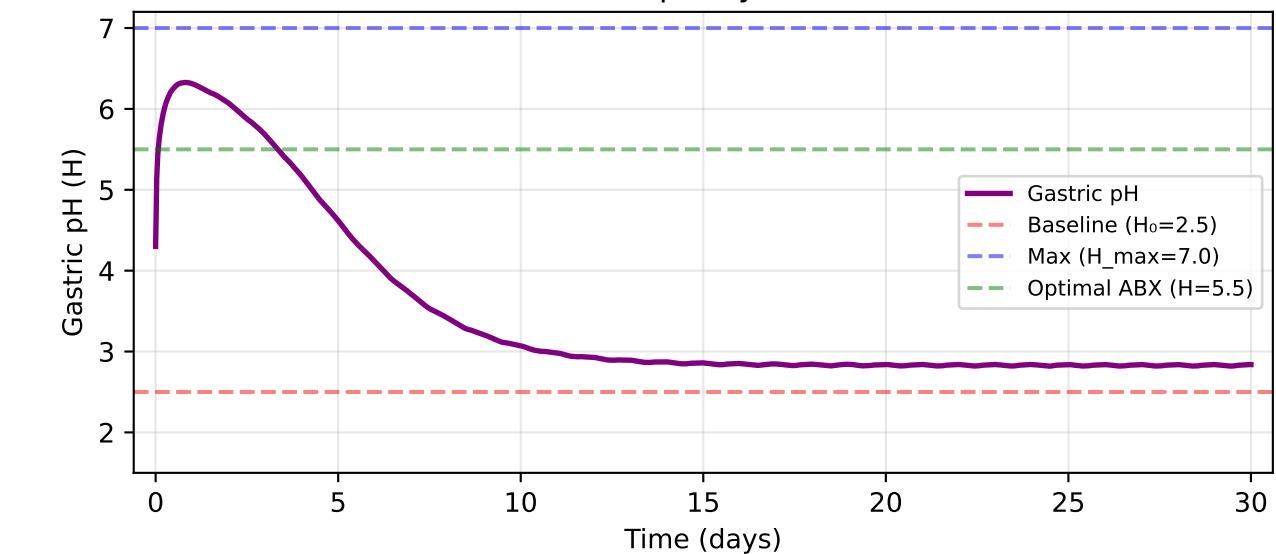
Immune Response Dynamics



Antibiotic Concentrations



Gastric pH Dynamics



Dietary Perturbation

