A – Infection prevalence
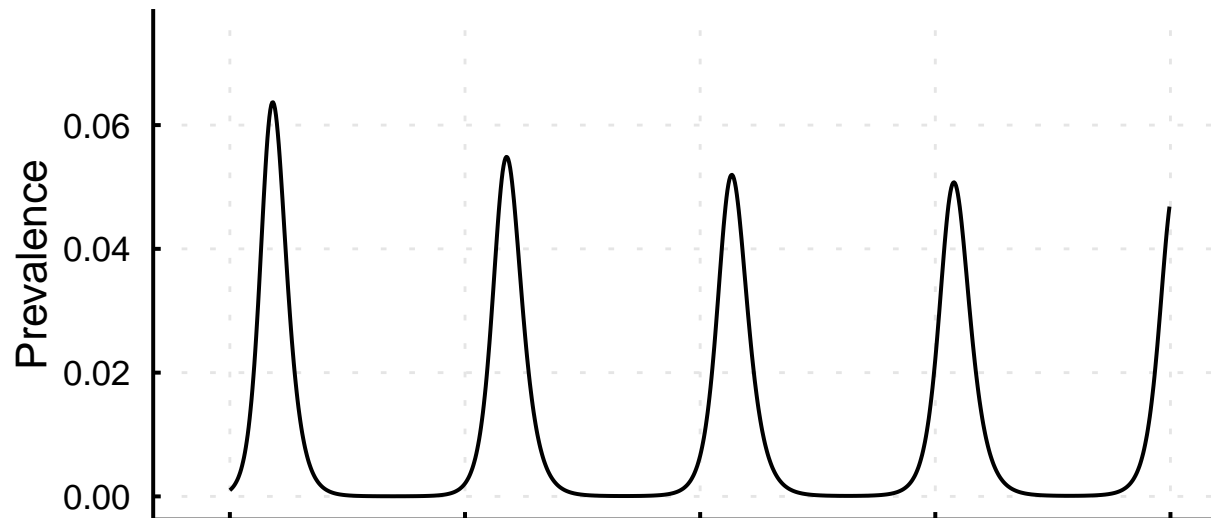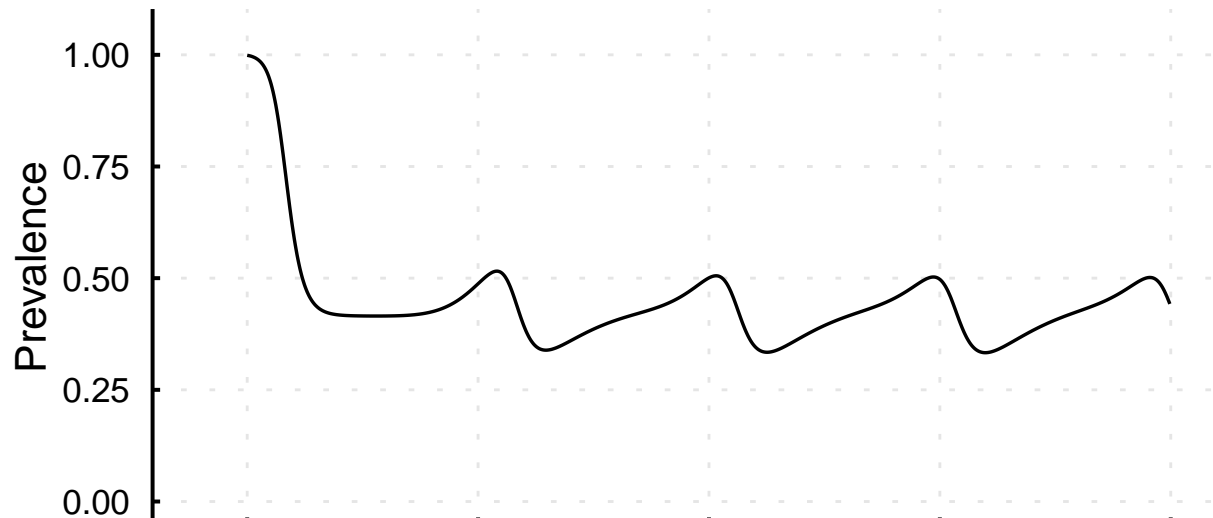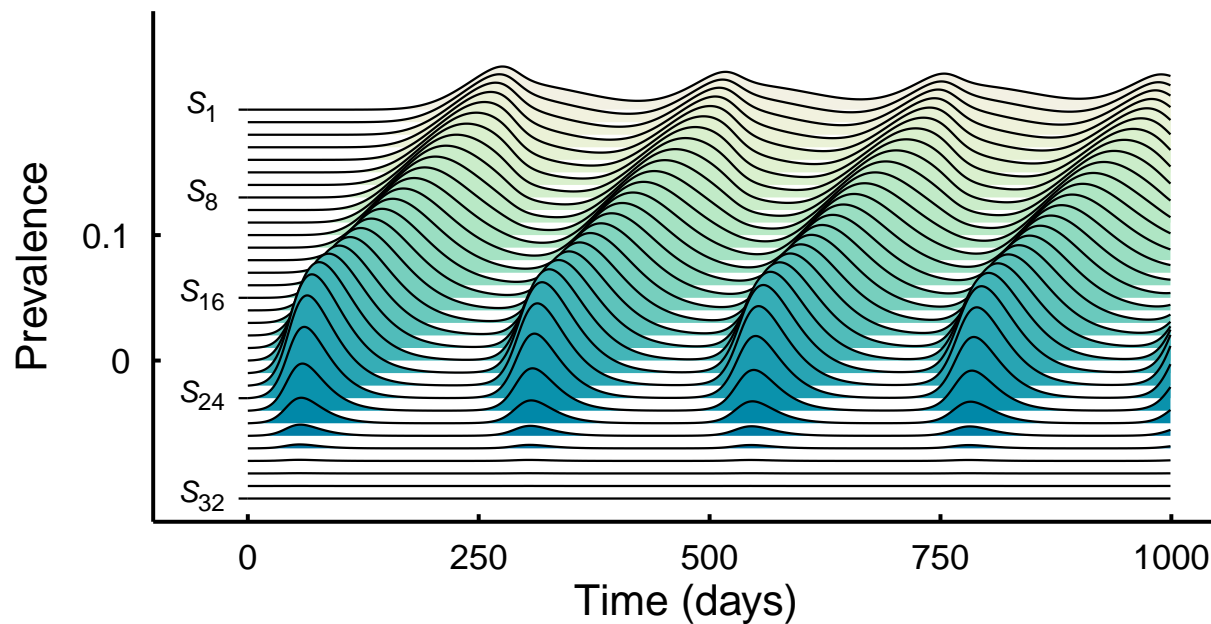
B – Susceptible prevalence S_0

C – Susceptible prevalence $S_1 - S_k$

D – Mean antibody concentration