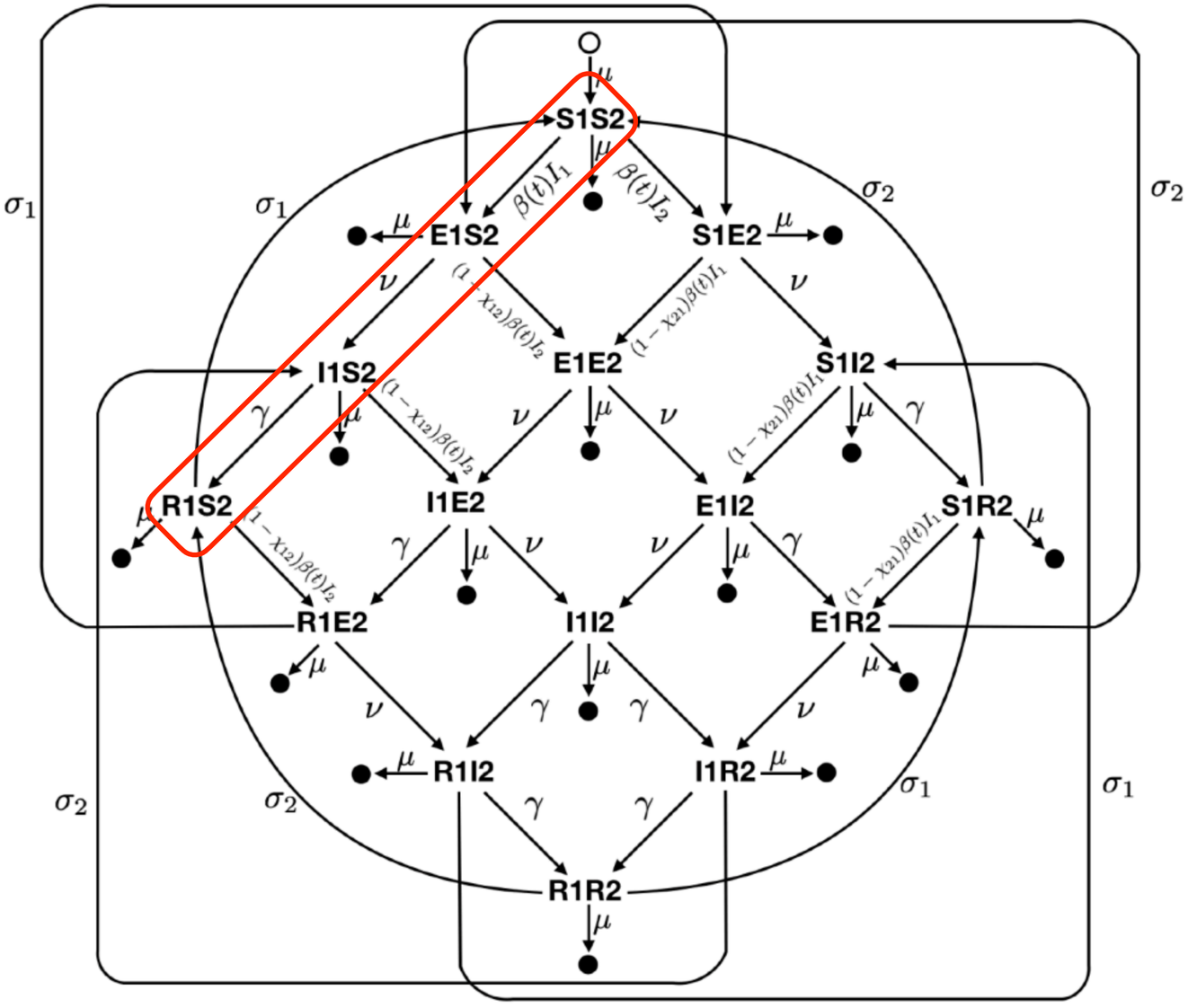
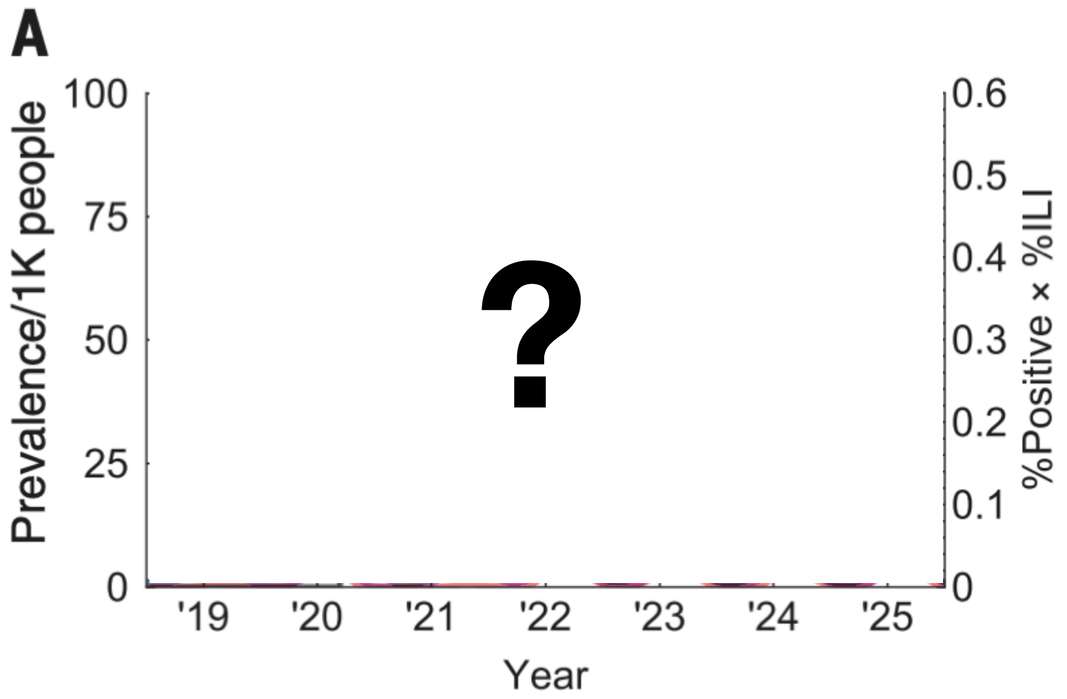
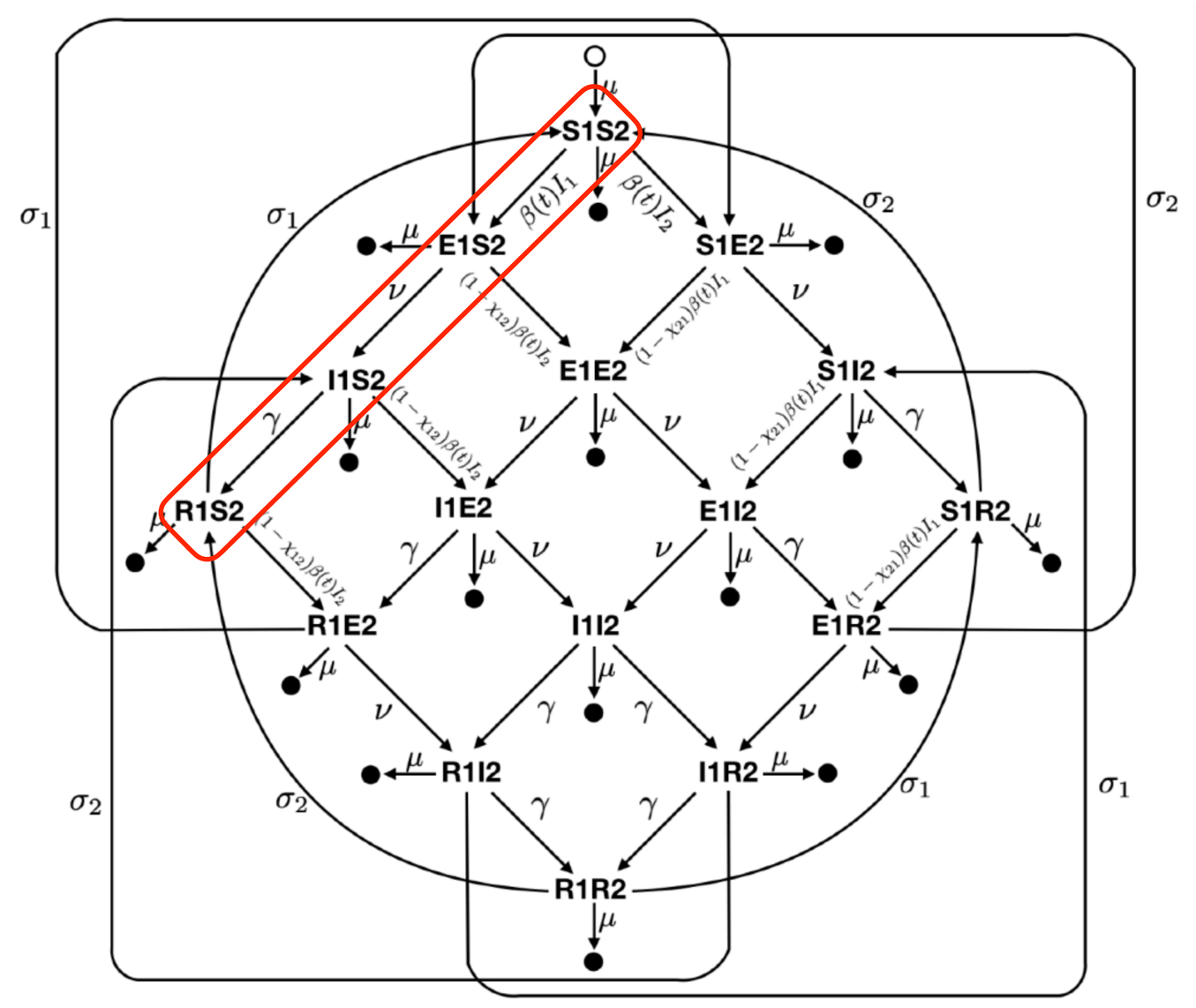
The full model

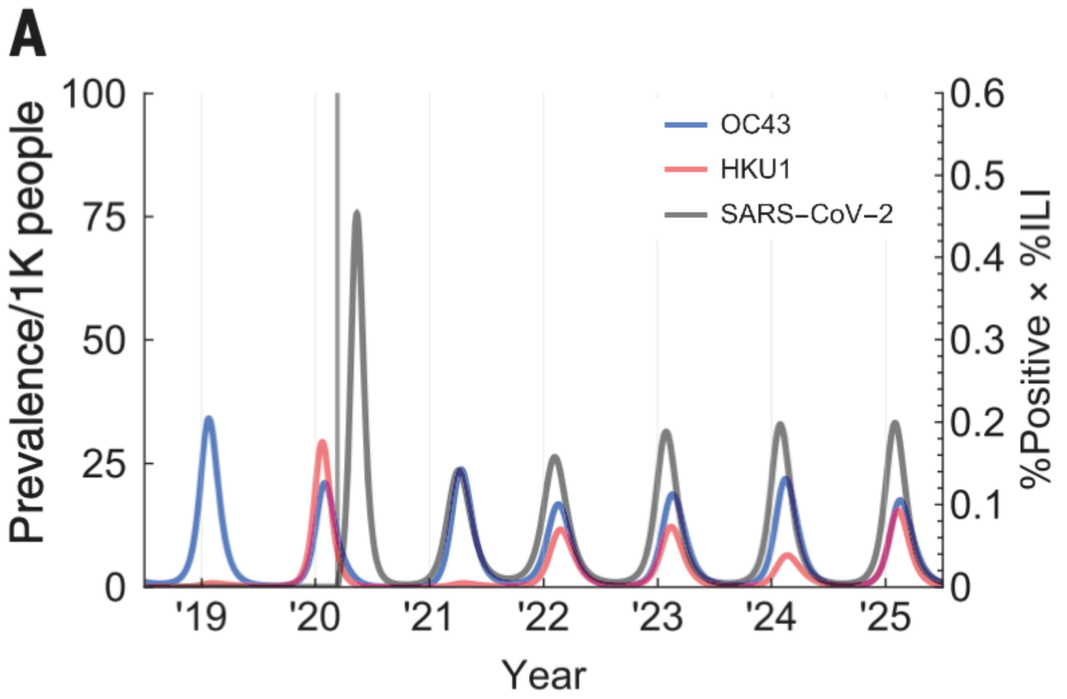




Short-lived immunity (1/σ = 30 weeks)

The full model





Short-lived immunity ($1/\sigma$ = 30 weeks) can yield annual outbreaks of SARS-CoV-2.