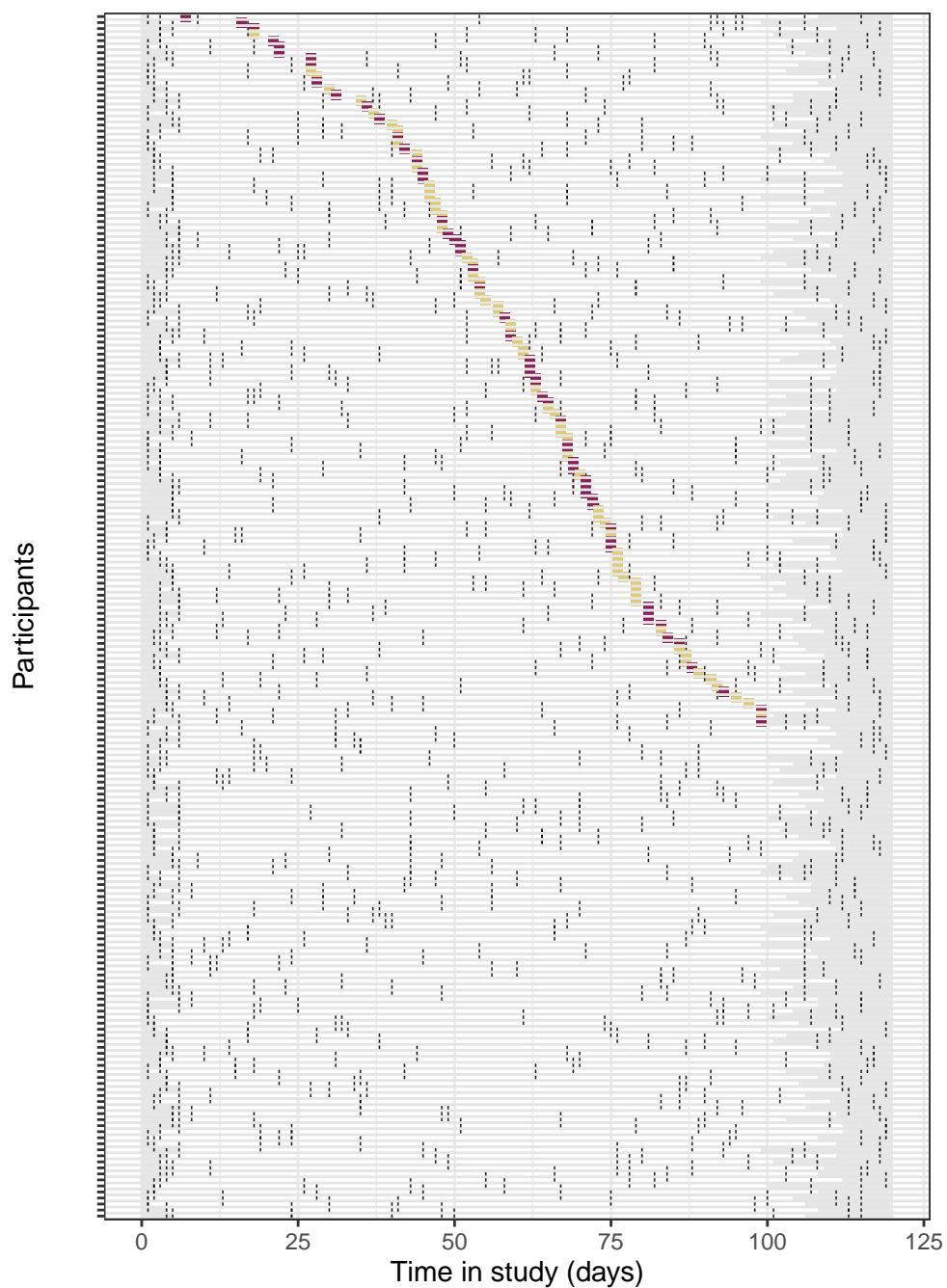


A

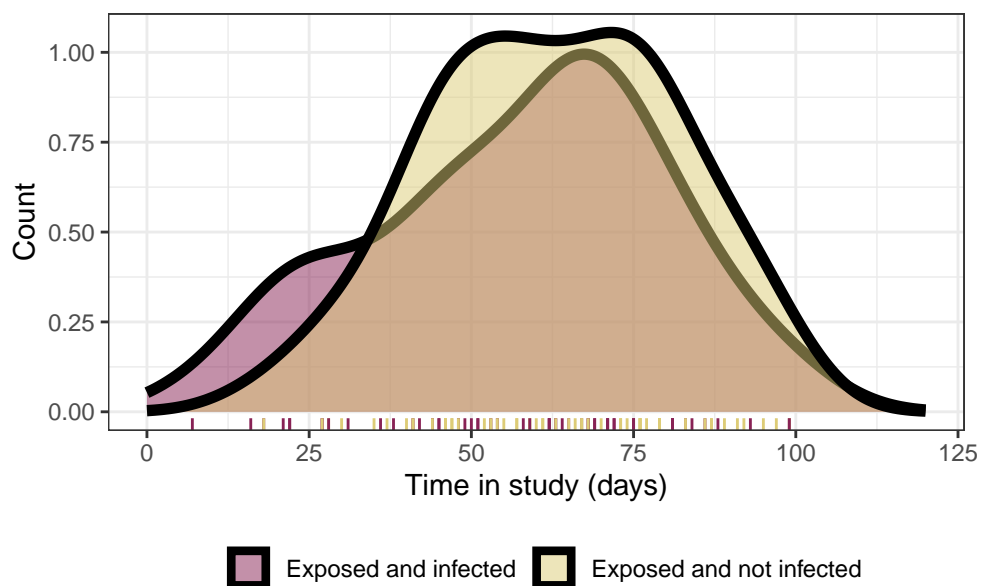
### Overview of serological survey and underlying epidemic for simulated CES data

Exposure type    ■ Exposed and infected    ■ Exposed and not infected



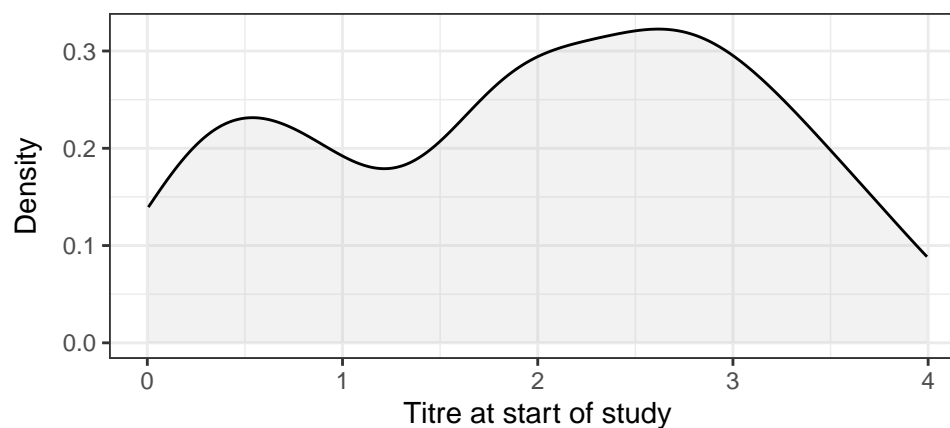
B

### Exposure-infection timings



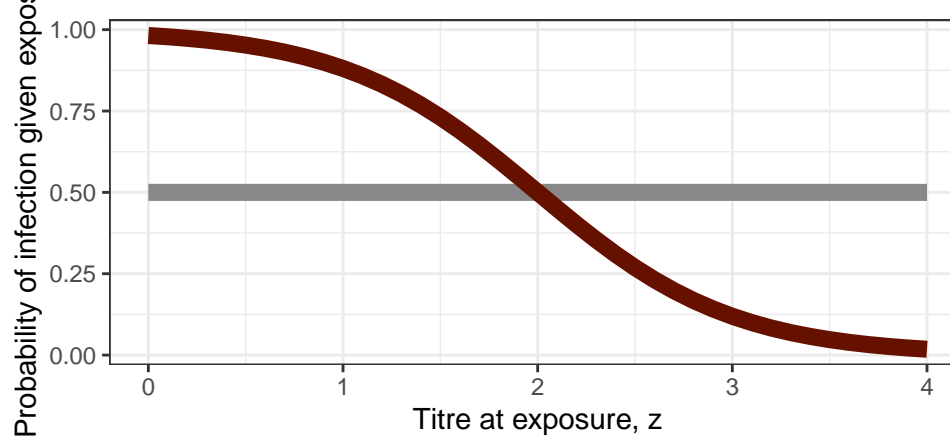
C

### Distribution of initial titre values, $y$



D

### COP curves for models A + B

 $f_{\text{cop}}(z)$ 


Curve type

■ Model.A.COP  
■ Model.B.COP

E

### Antibody kinetics post-infection

 $f(s)$ 
