

Table 1. IFR and possible number of infections for each reported case in Ohio.

IFR (95% CI)	Infections for one case
1.153% (1.151% to 1.155%)	1.98 (from 0.77 to 3.75)

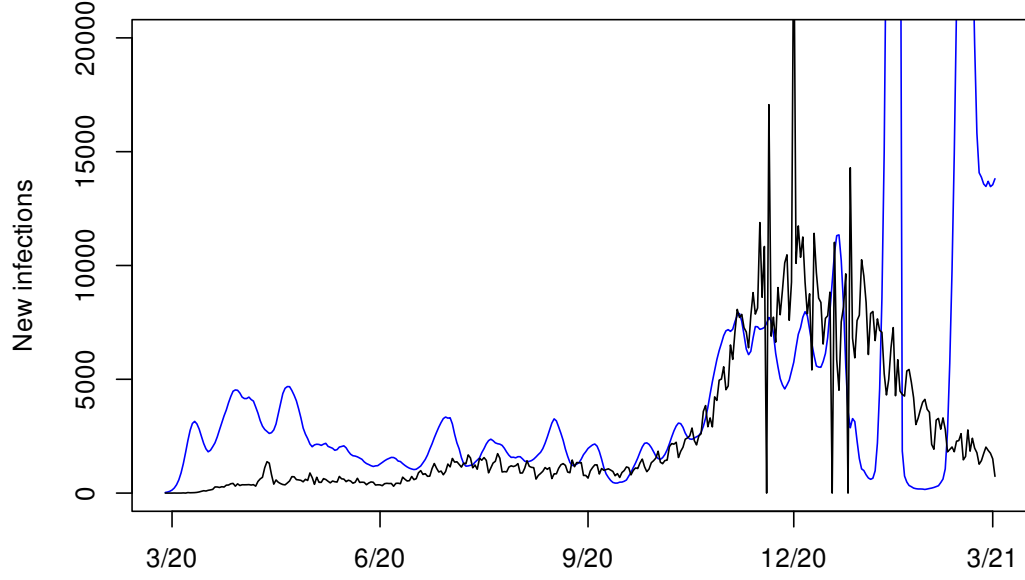


Figure 1: New infection cases and median posterior of new infections  $\nu_t$  in Ohio from March 2020 to March 2021, coloured black and blue respectively.

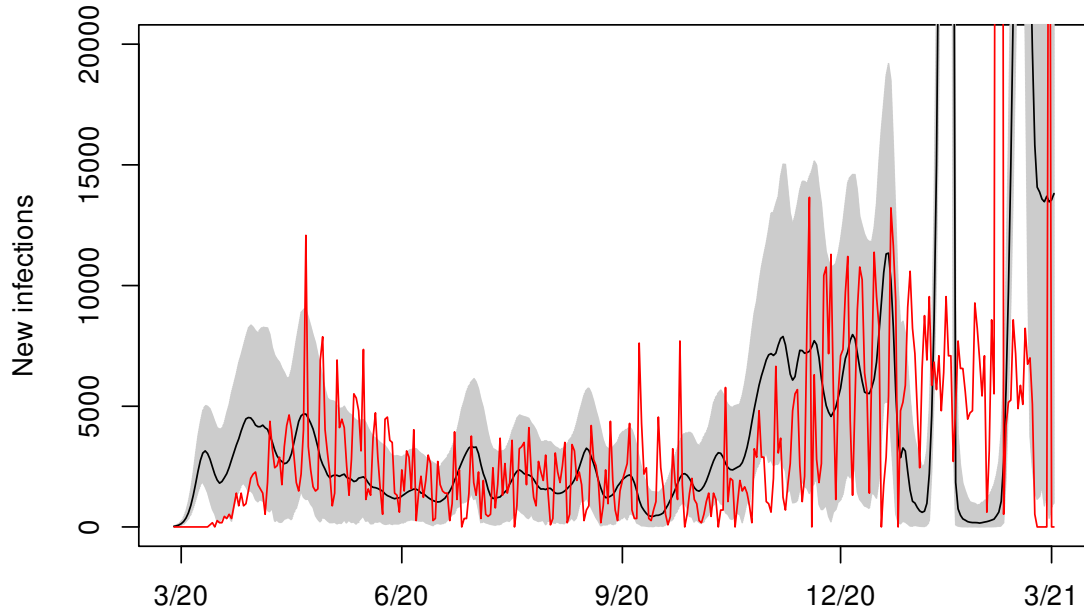


Figure 2: Median posterior of new infections  $\nu_t$  and middle 95% confidence intervals for Ohio. Number of deaths reported divided by median IFR were coloured in red.

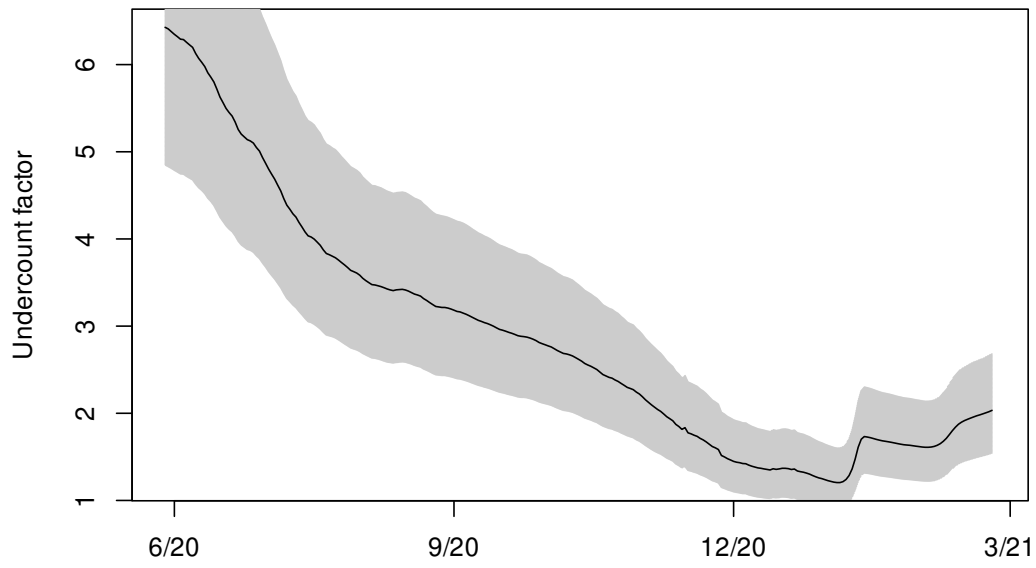


Figure 3: Median posterior of reproductive number  $r_t$  and middle 95% confidence intervals for Ohio.

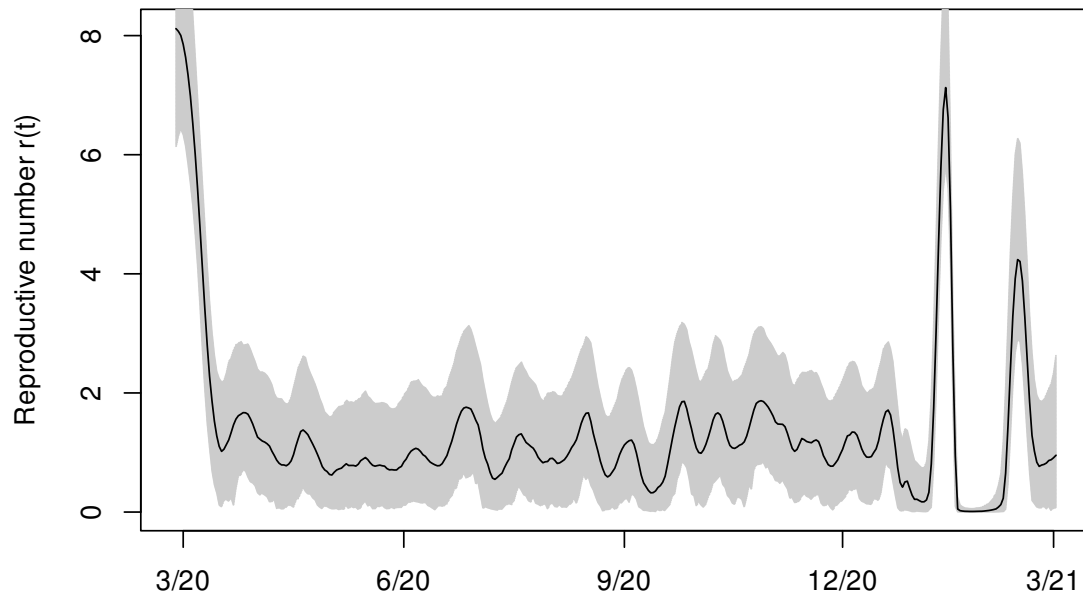


Figure 4: Undercount factor and middle 95% interval for Ohio from June 2020 to March 2021.

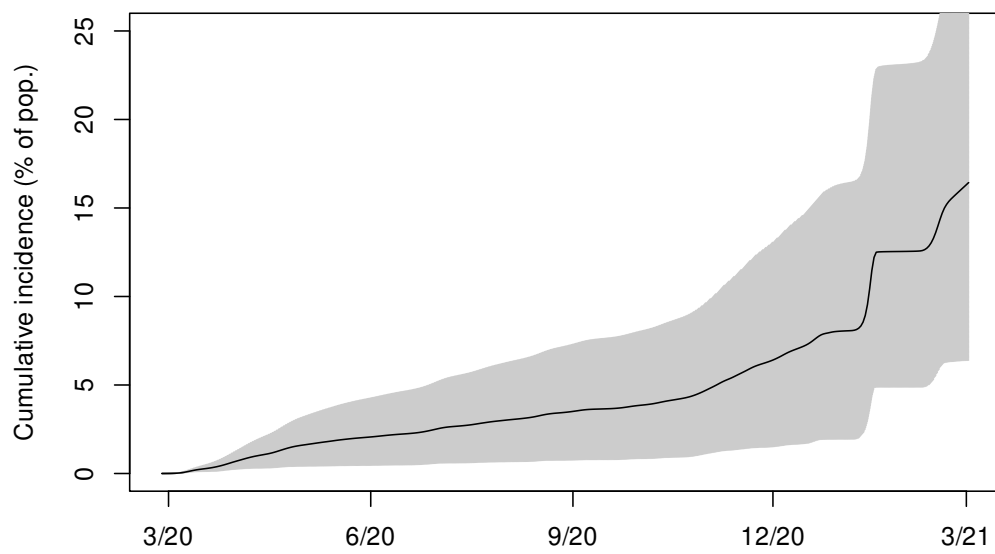


Figure 5: Cumulative virus incidence as an percent of population for Ohio.