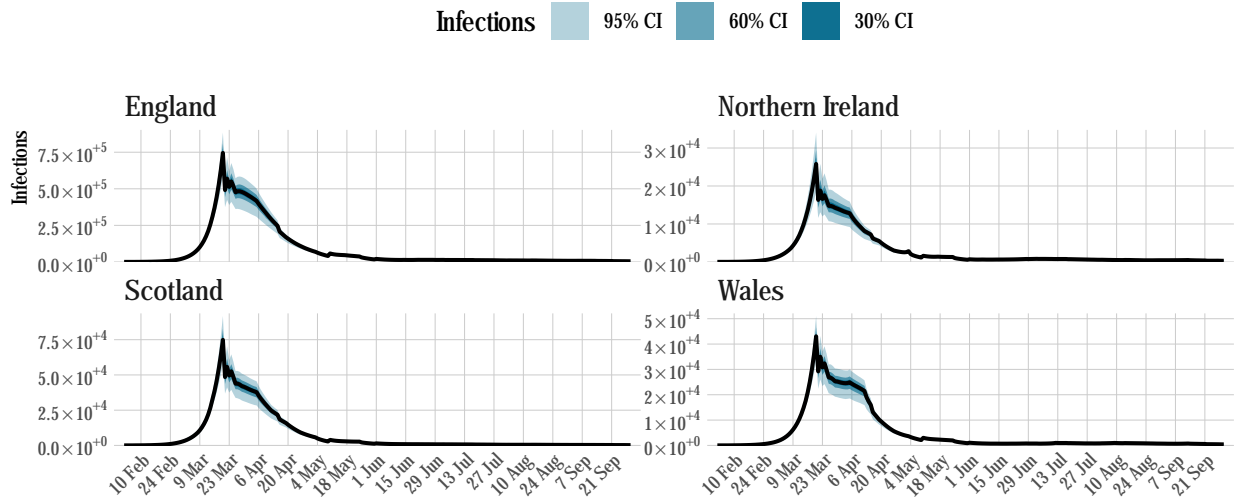


# Multilevel Model

## Death



## Mechanical ventilation beds

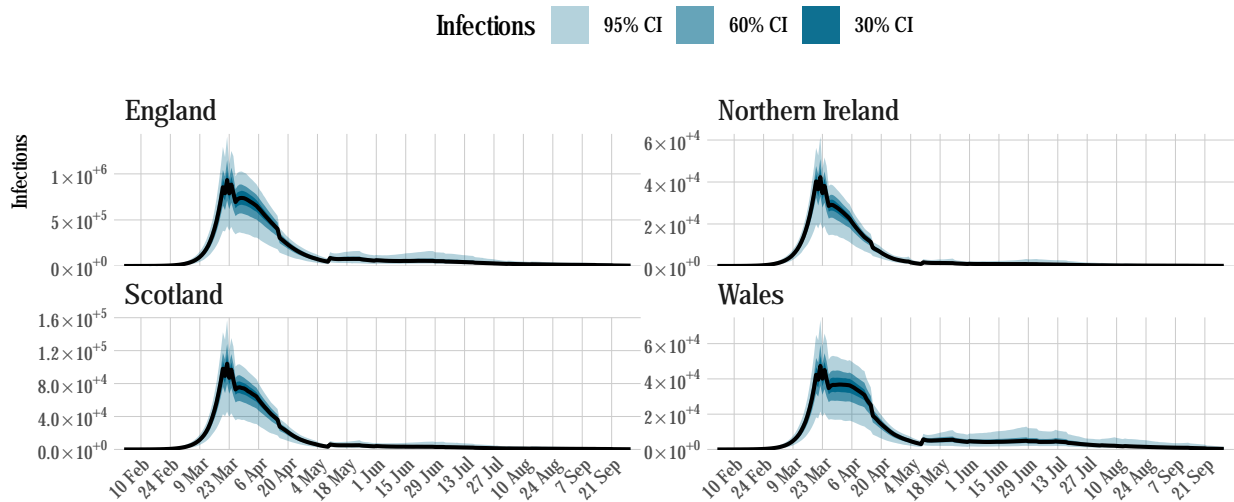
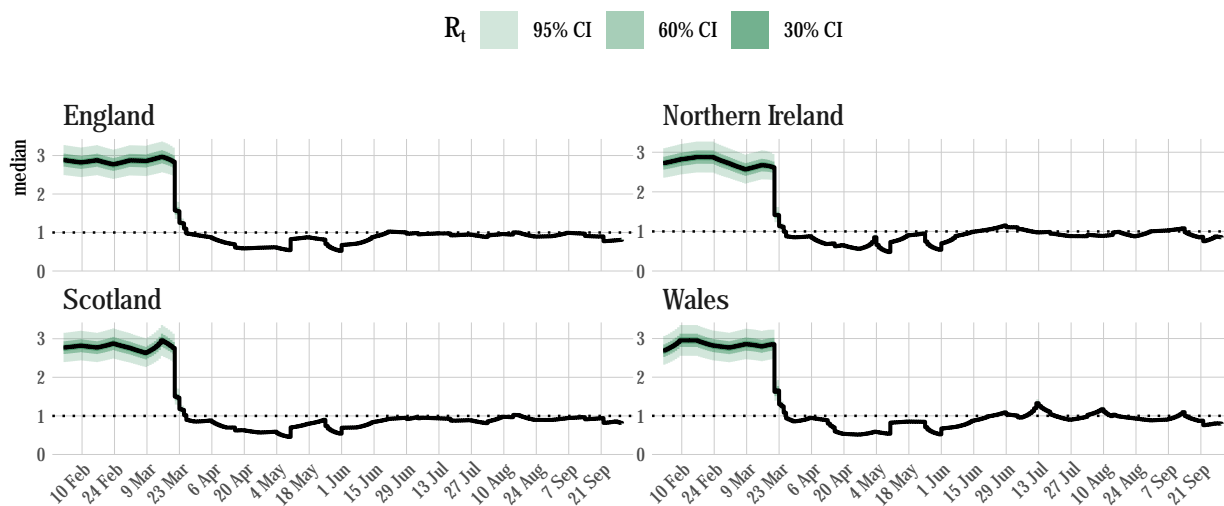


Figure 1: Simulation infection until Aug 1st, 2020

## Death



## Mechanical ventilation beds

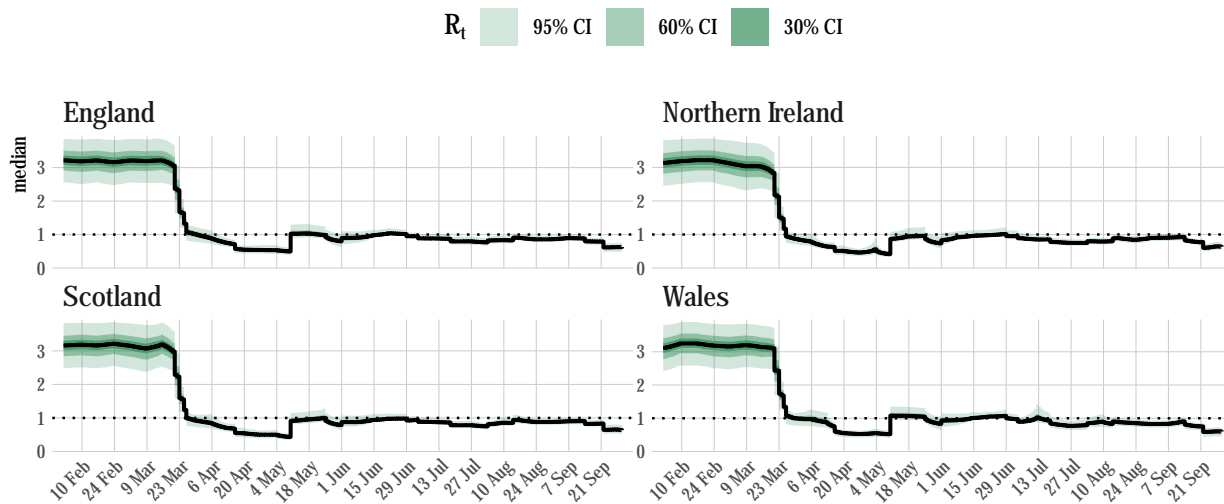
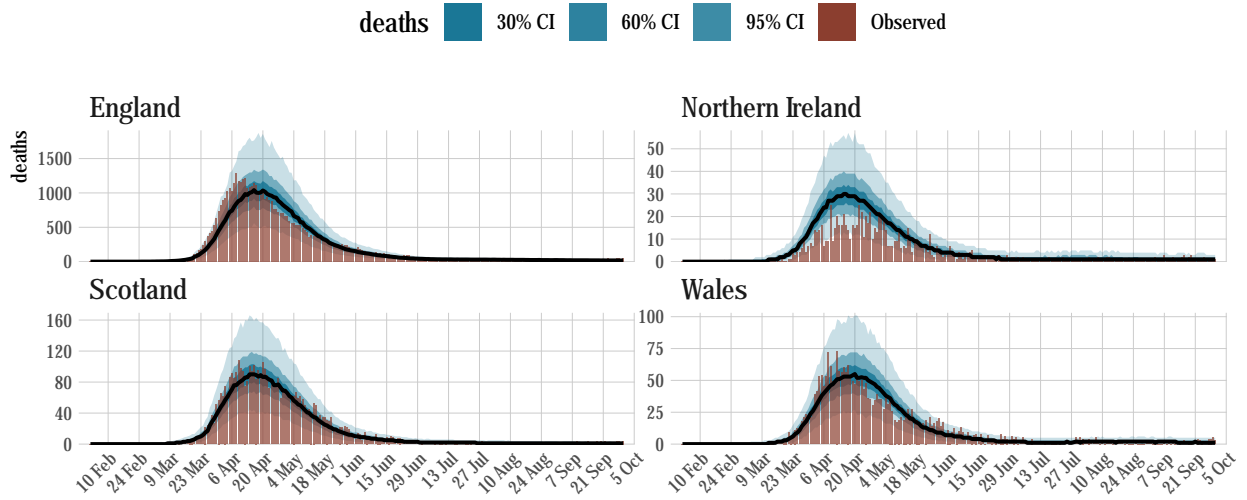


Figure 2: Simulation reproduction number until Aug 1st, 2020

## Death



## Mechanical ventilation beds

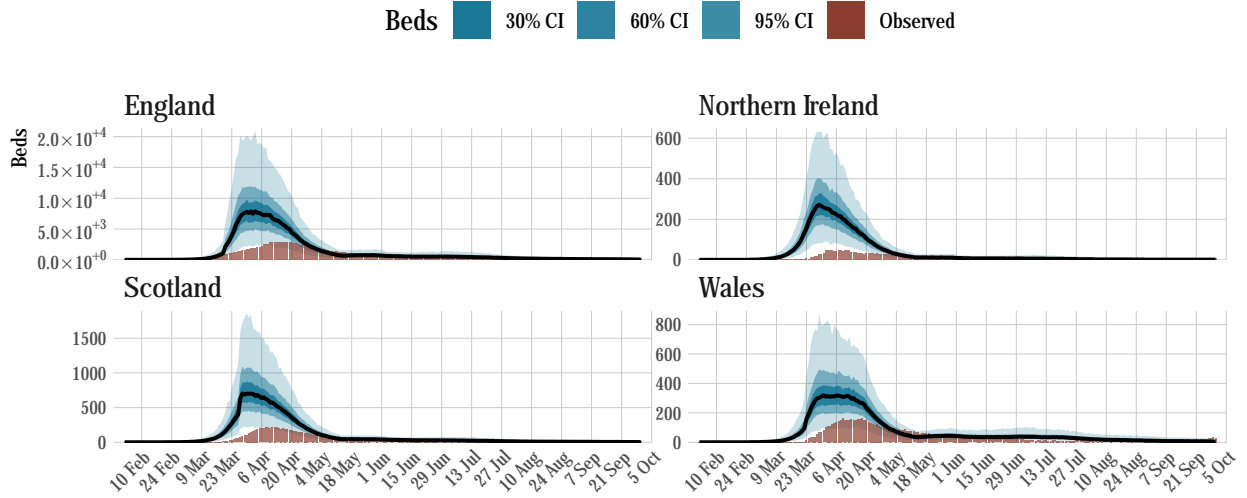


Figure 3: Fitness of observation data until Aug 1st, 2020