

Multilevel Model

add the public isolation to the data

1. school and university lock down at Mar 21st 2020
2. self-isolation if ill at Mar 12th 2020
3. public events forbidden at Mar 24th 2020
4. lock down at Mar 24th 2020
5. social distance encouraged at Mar 16th 2020
6. partial universities reopen after Sept 20th 2020 (0.7) school and university reopen at Mar 8th 2021 (0.3)
7. social distance encouraged end partially at Mar 29th 2021
8. public_events partially reopen at May 17th 2021

checking

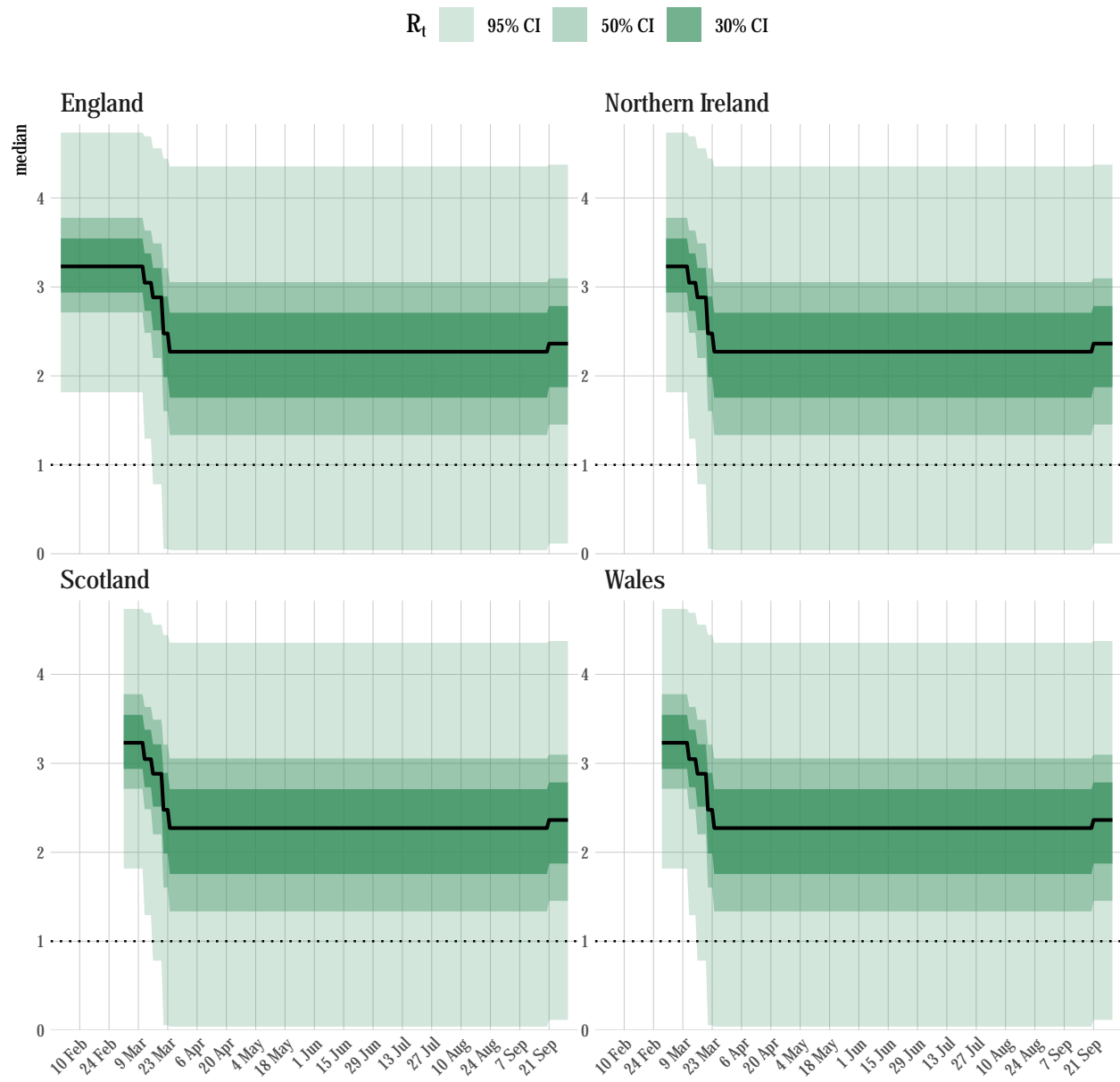


Figure 1: prior data until 10 1st, 2020

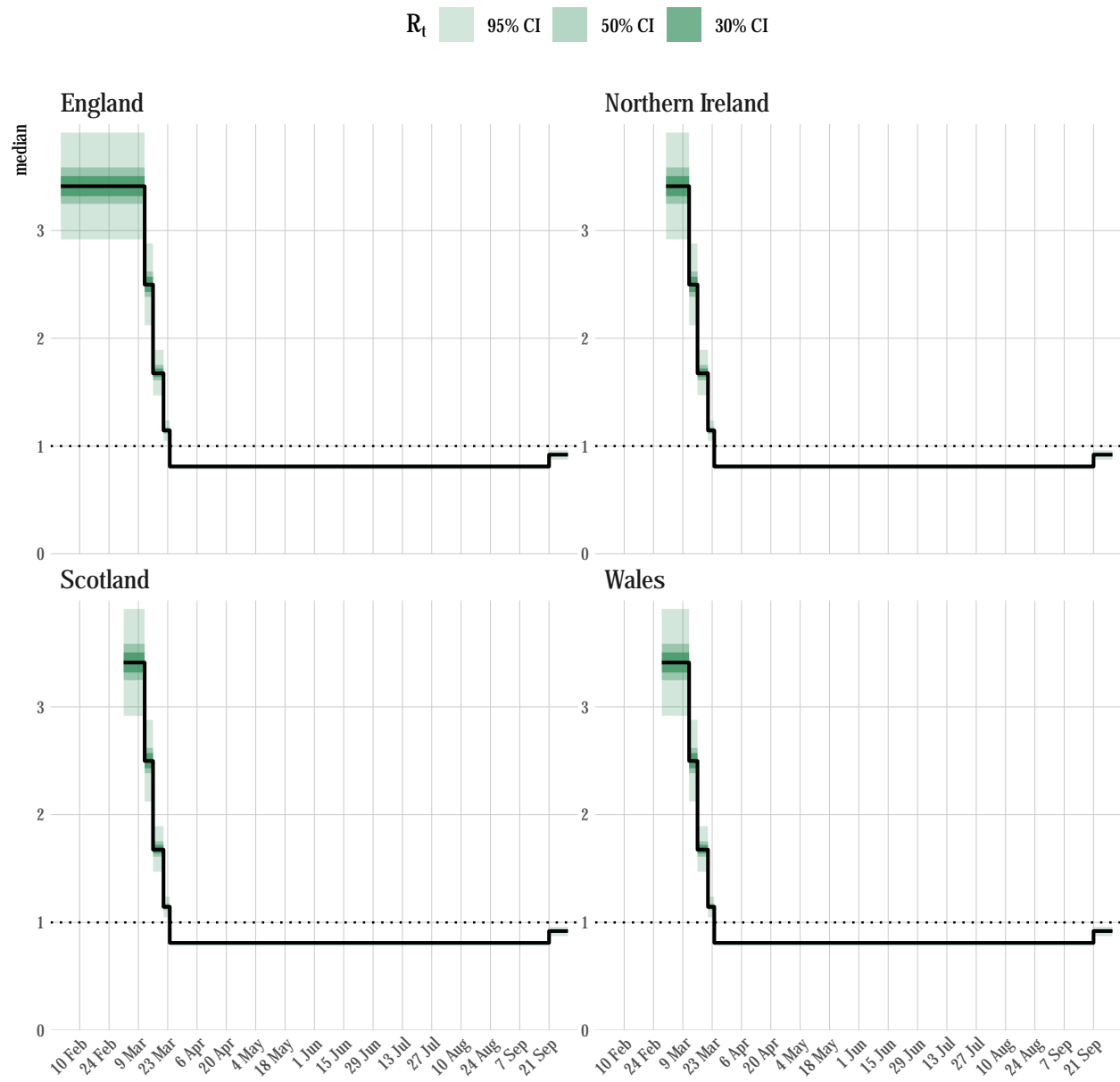


Figure 2: posterior reproduction number until 10 1st, 2020

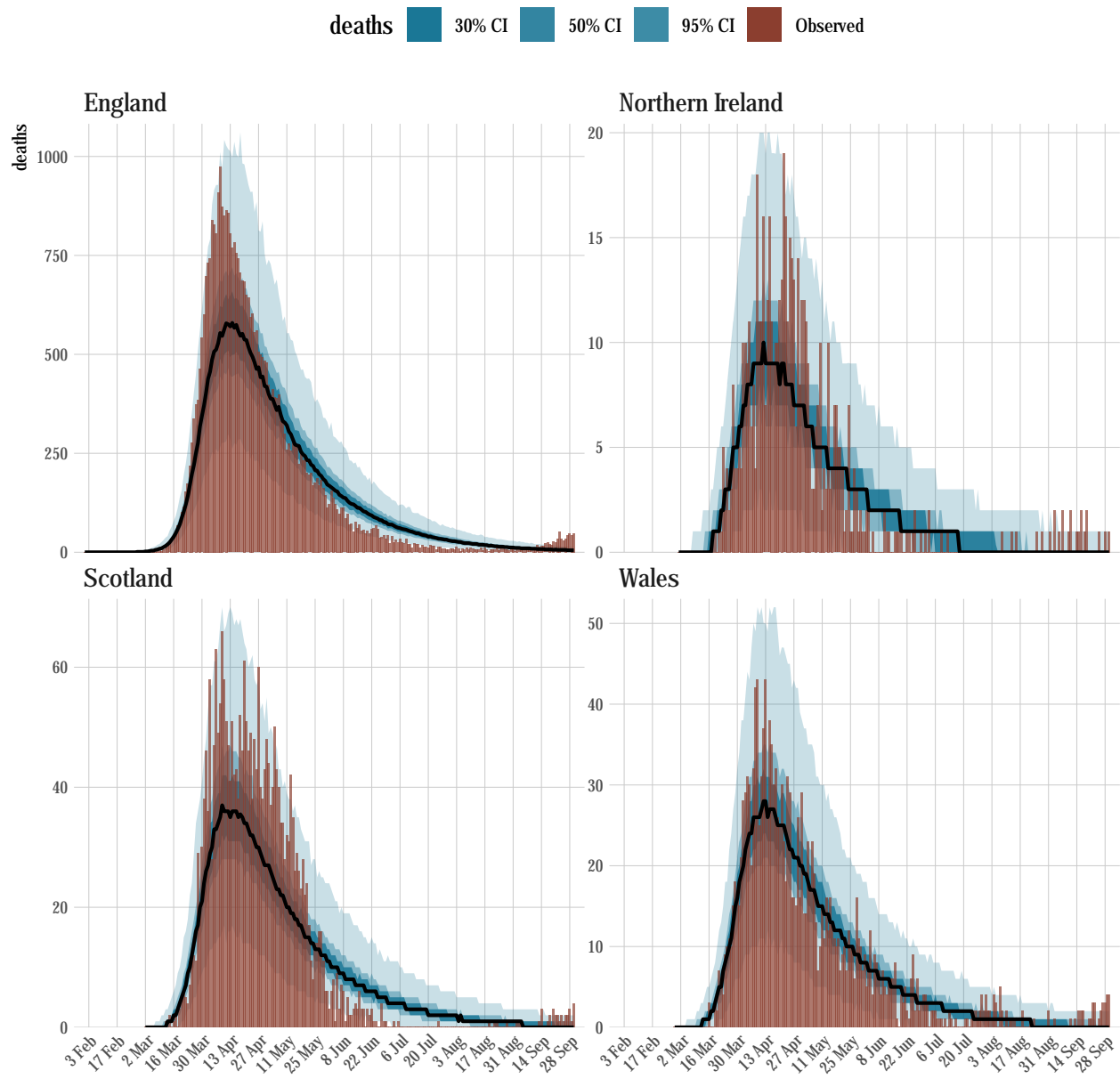


Figure 3: fitted death data until 10 1st, 2020

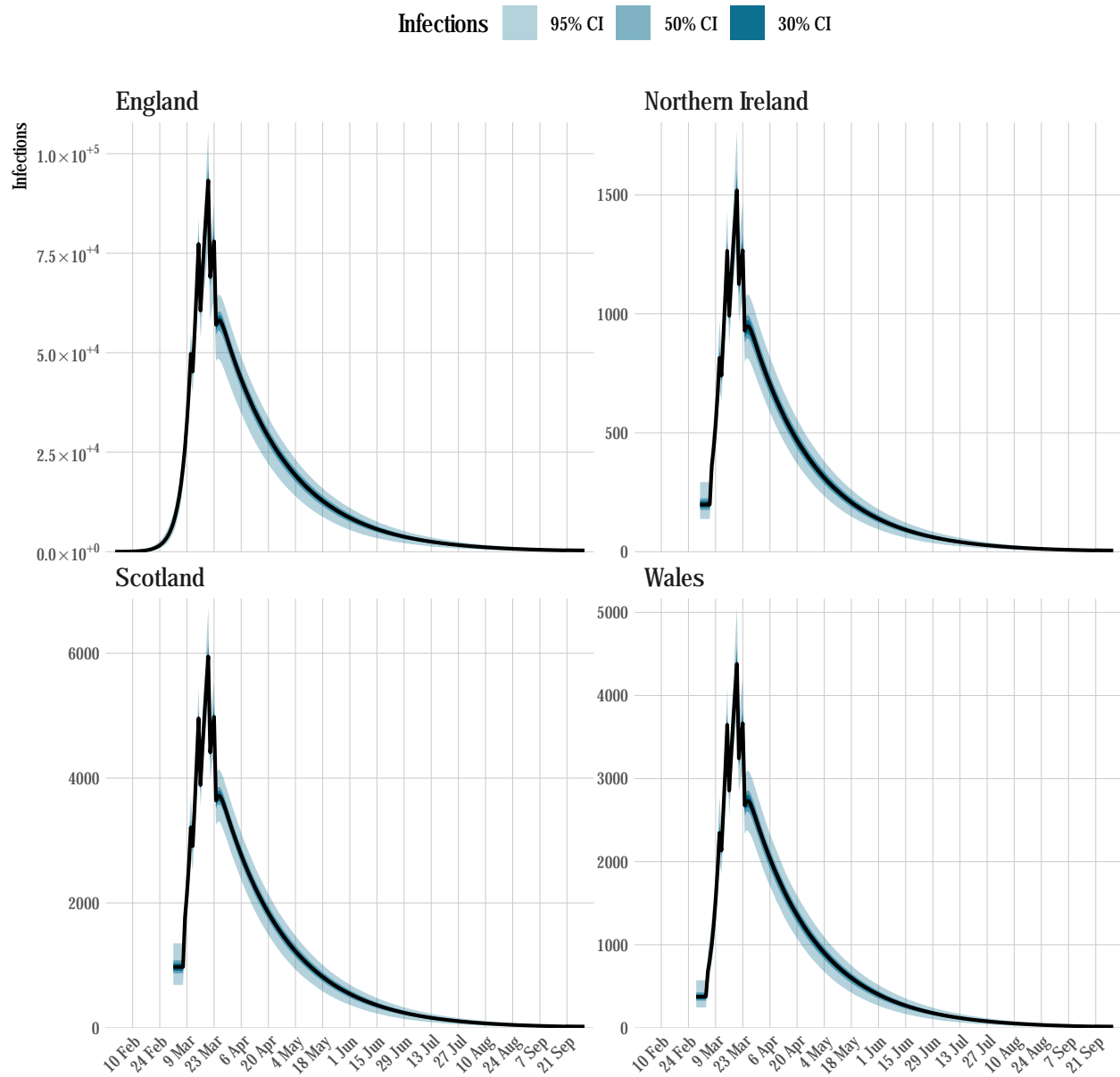


Figure 4: estimated infection cases until 10 1st, 2020