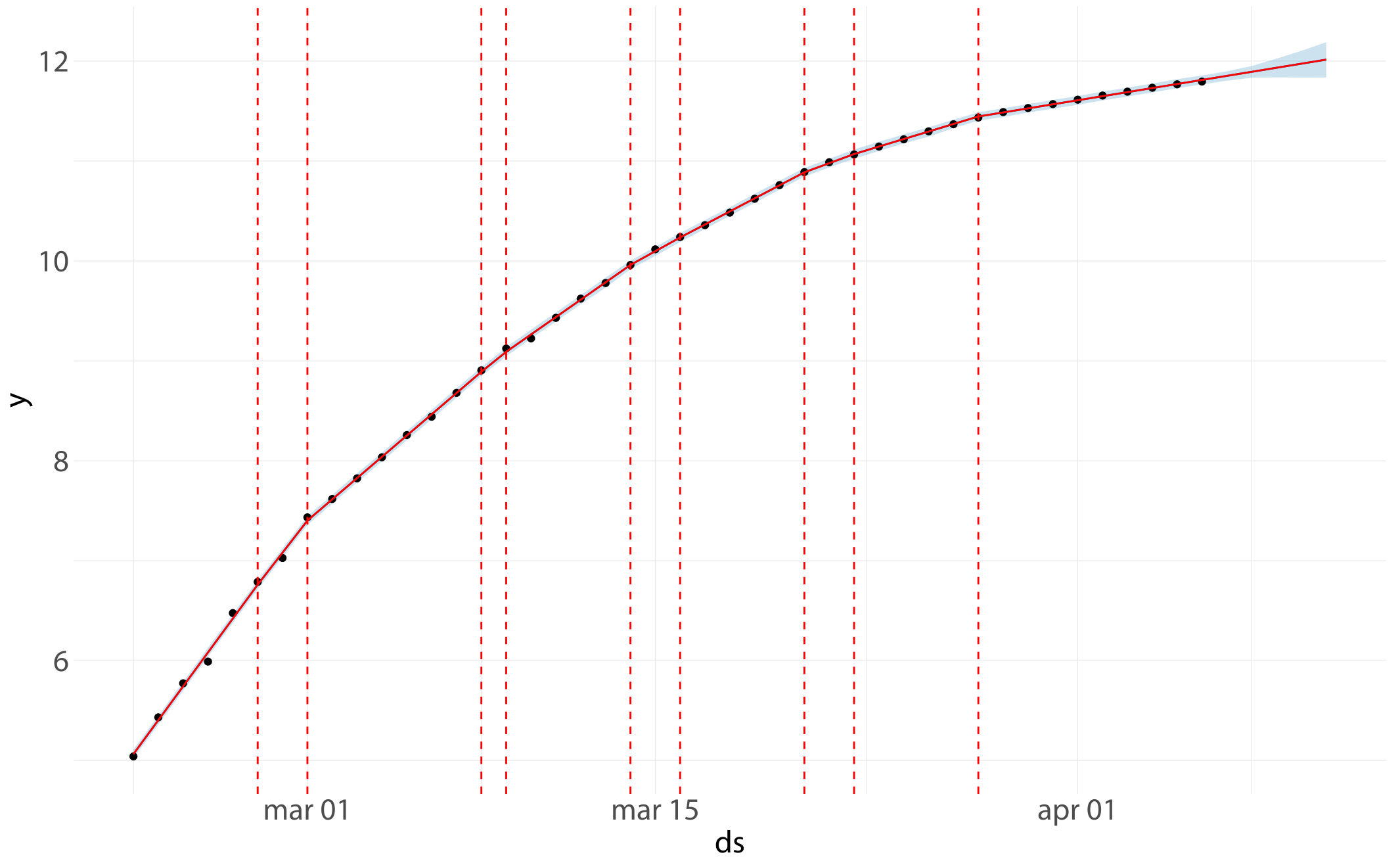
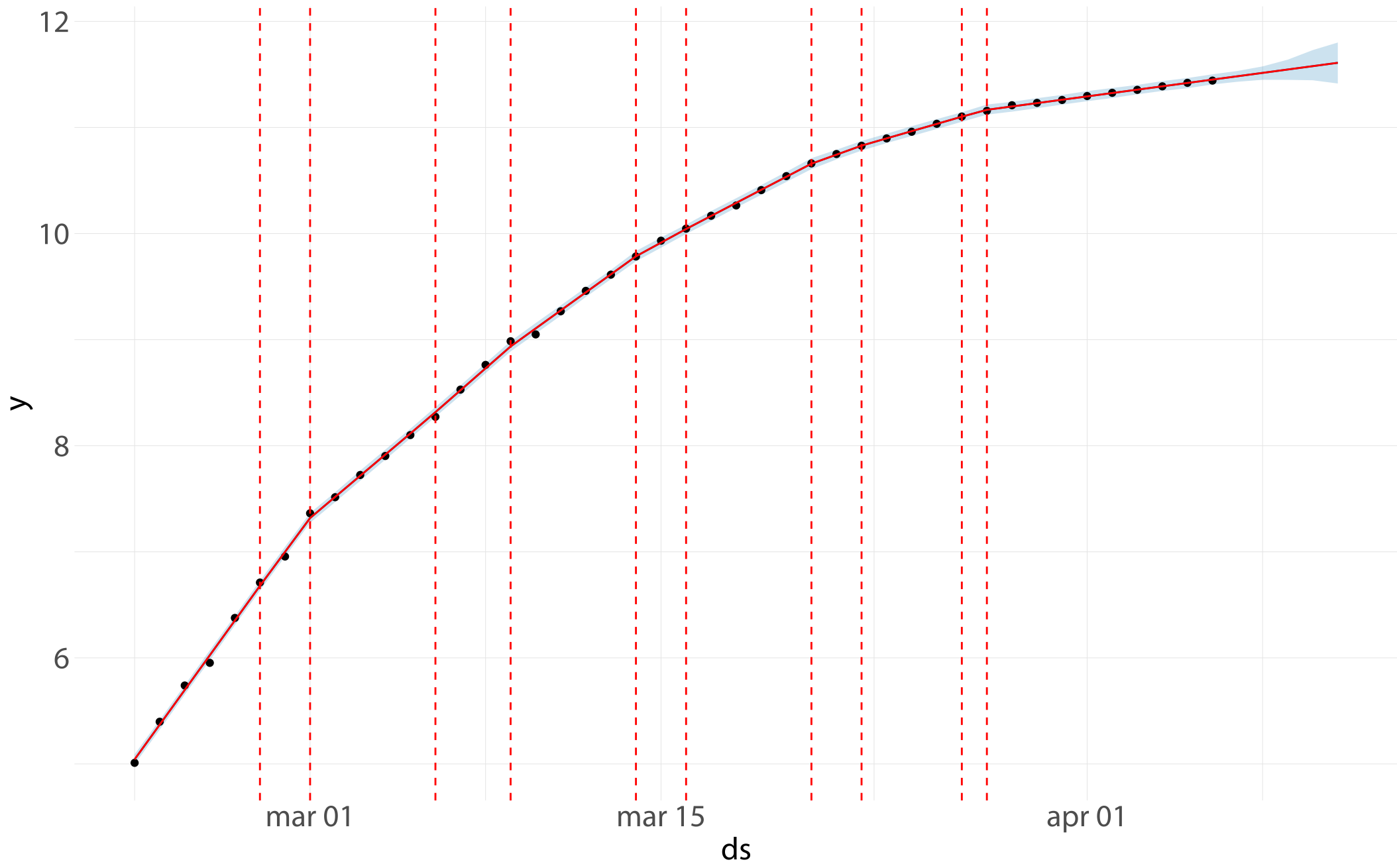


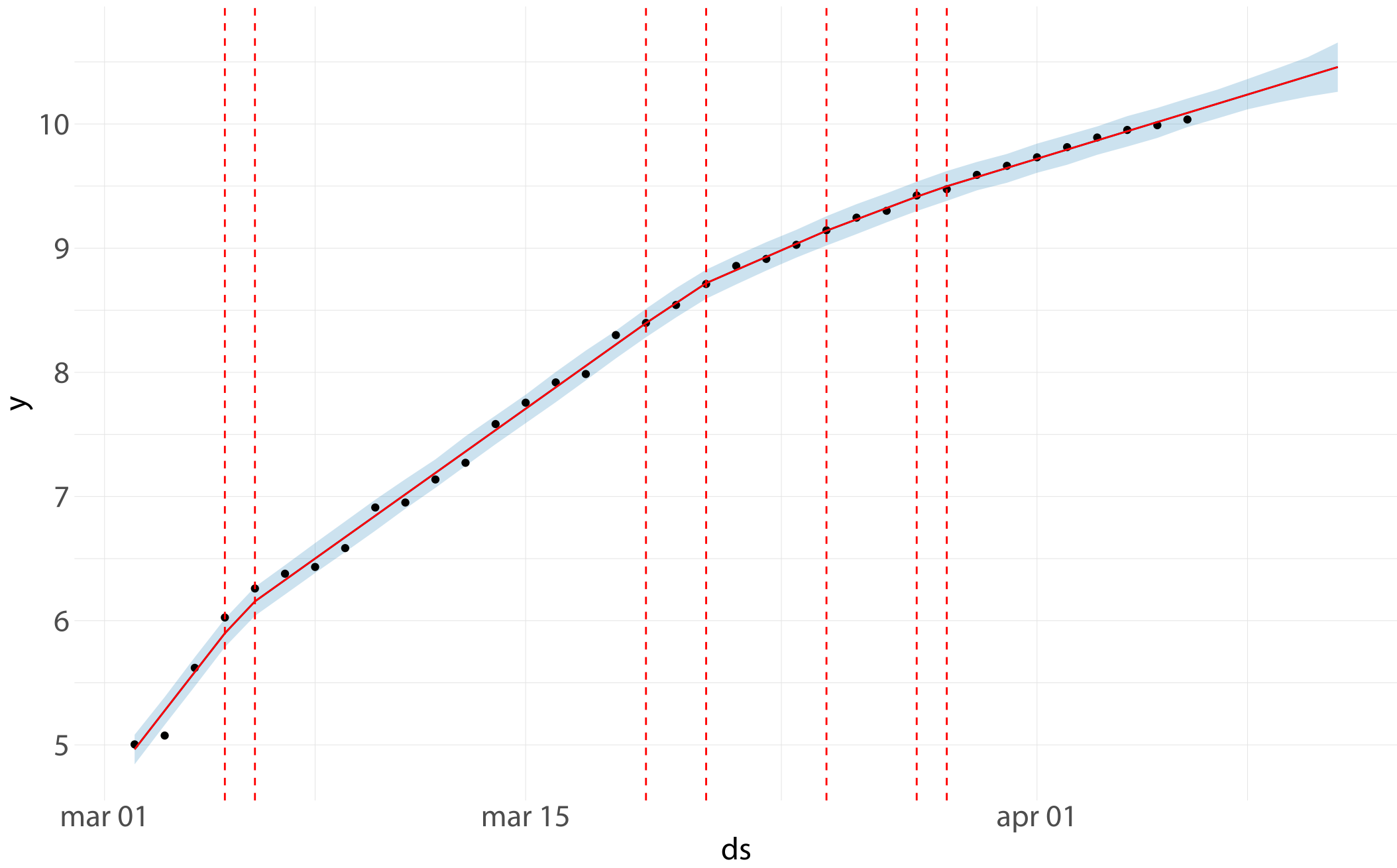
confirmed



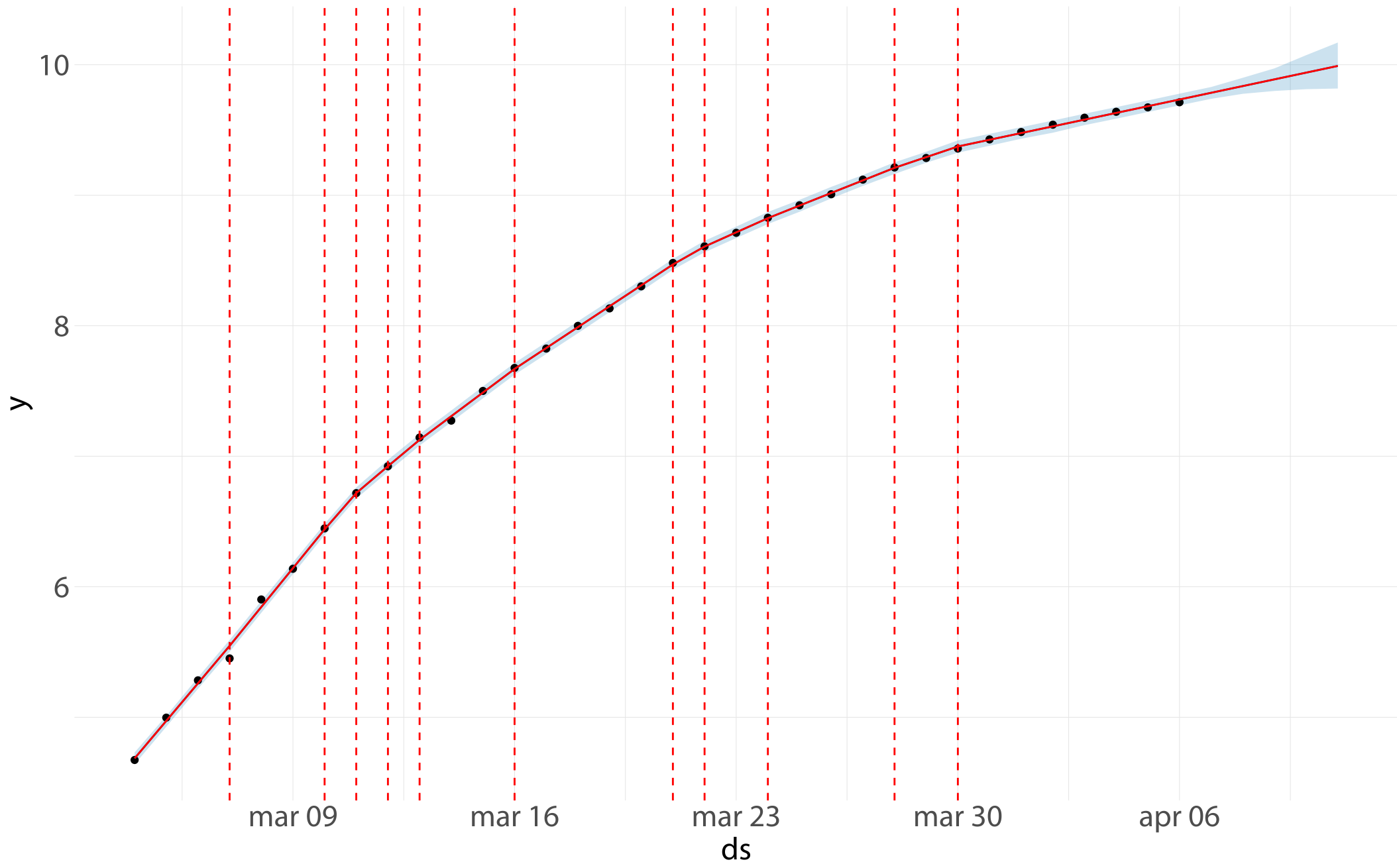
active



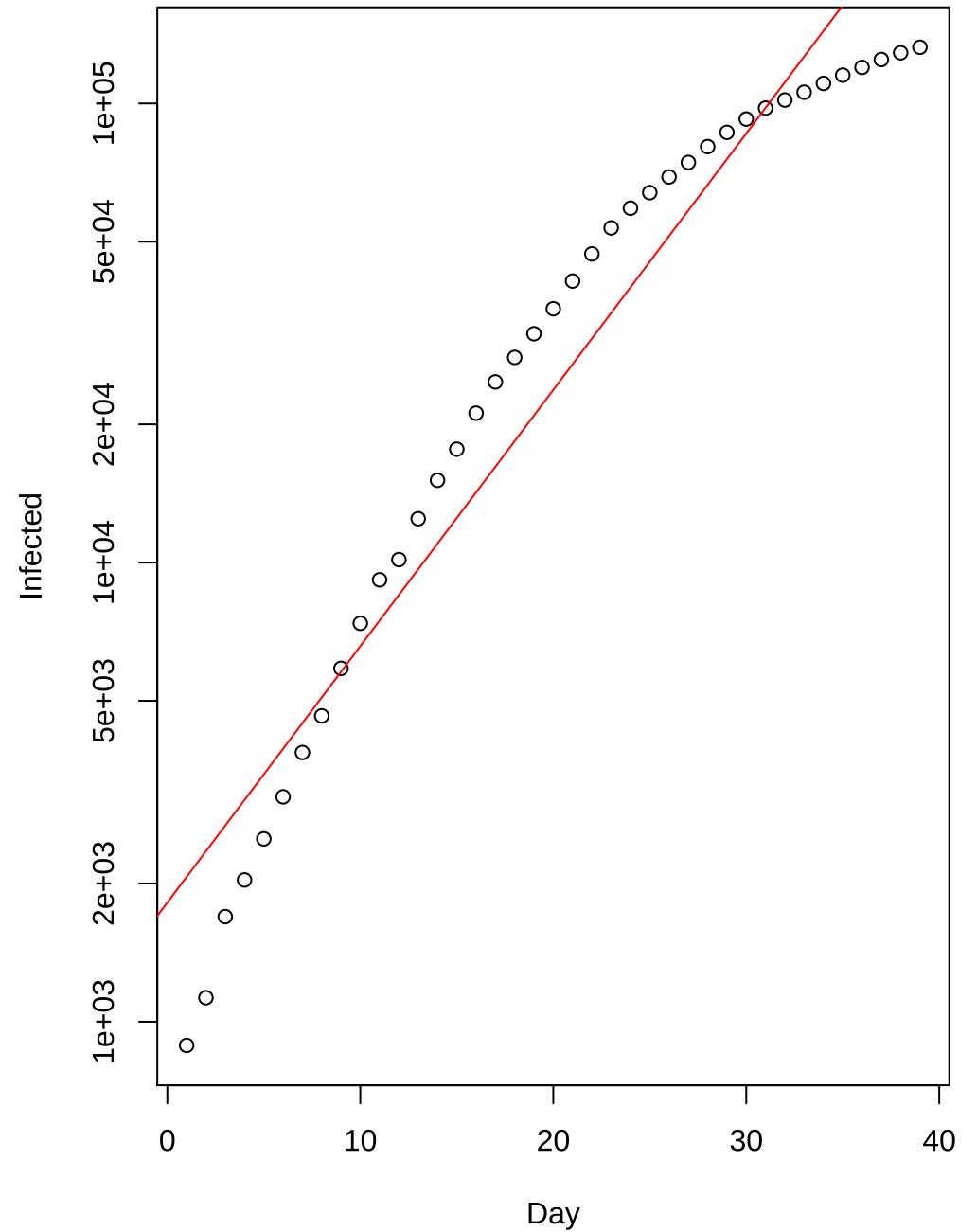
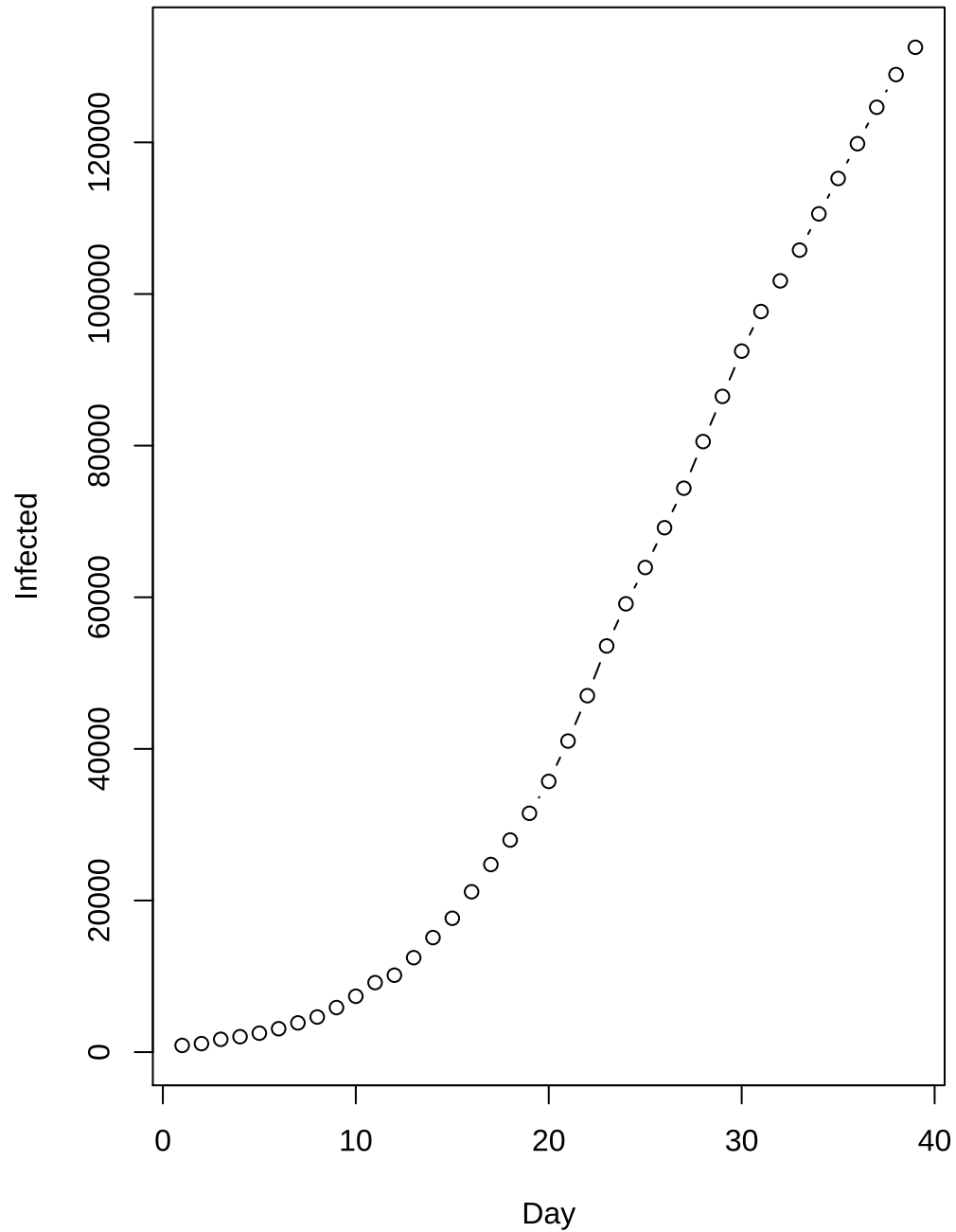
recovered



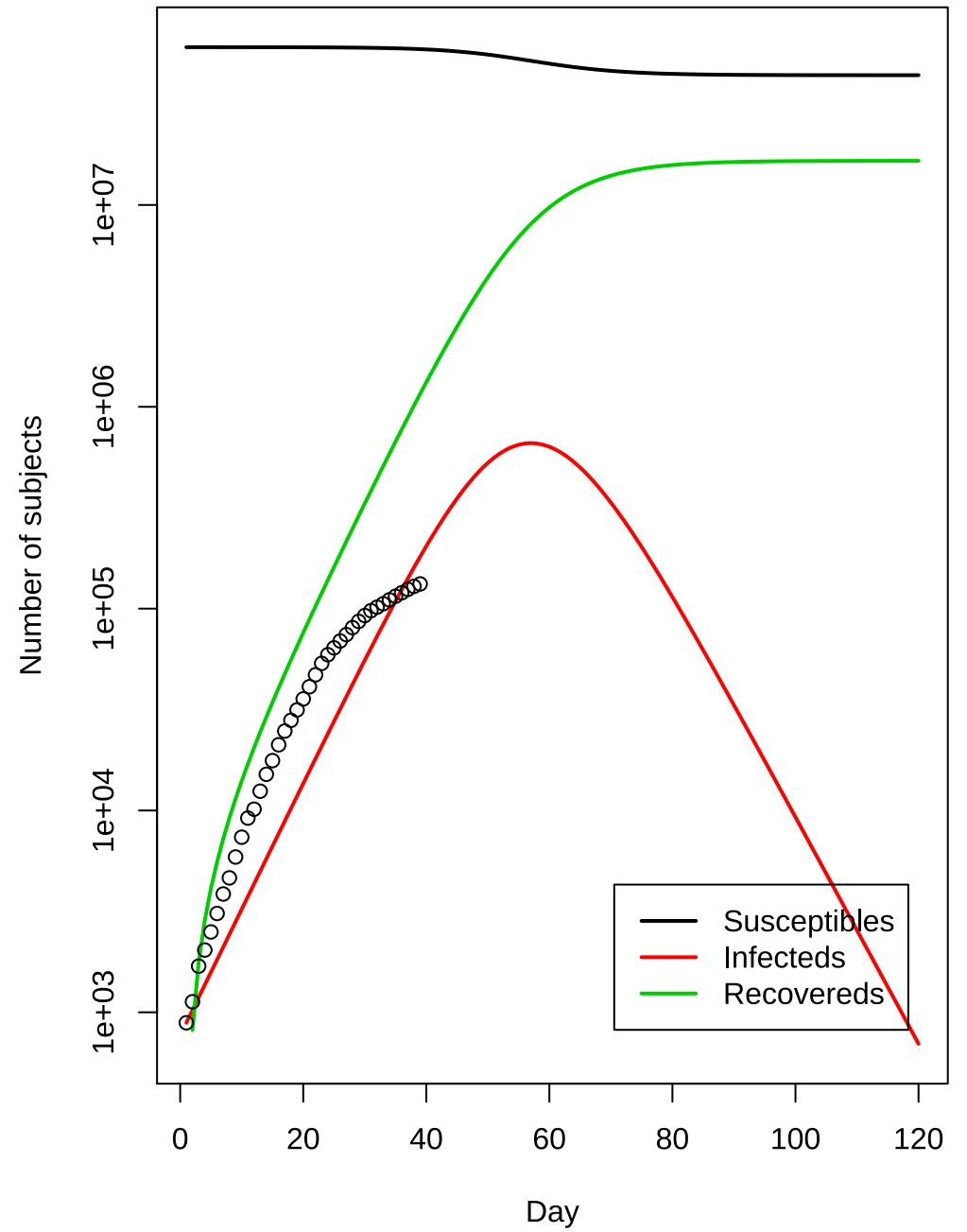
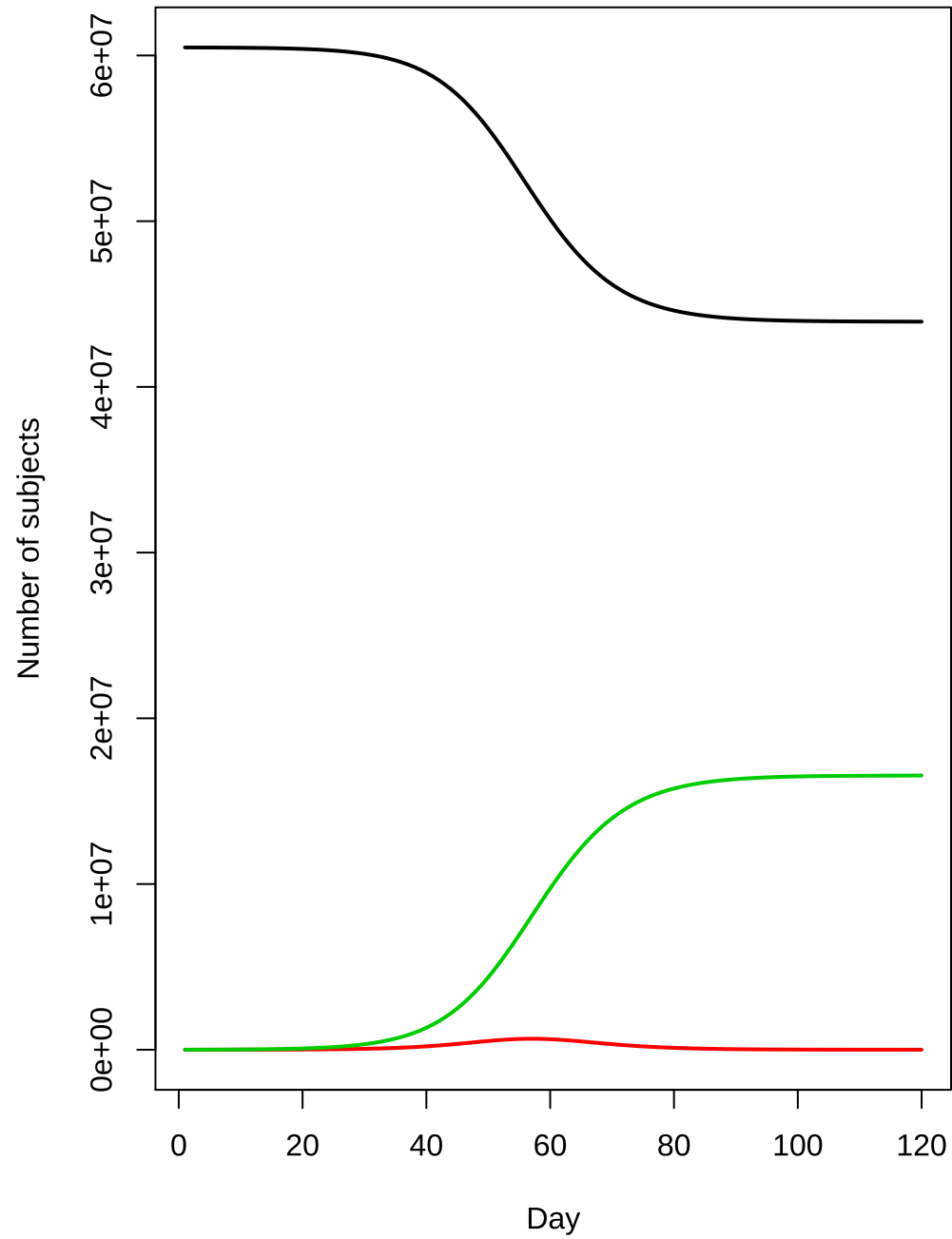
death



Total infections COVID-19 Italy

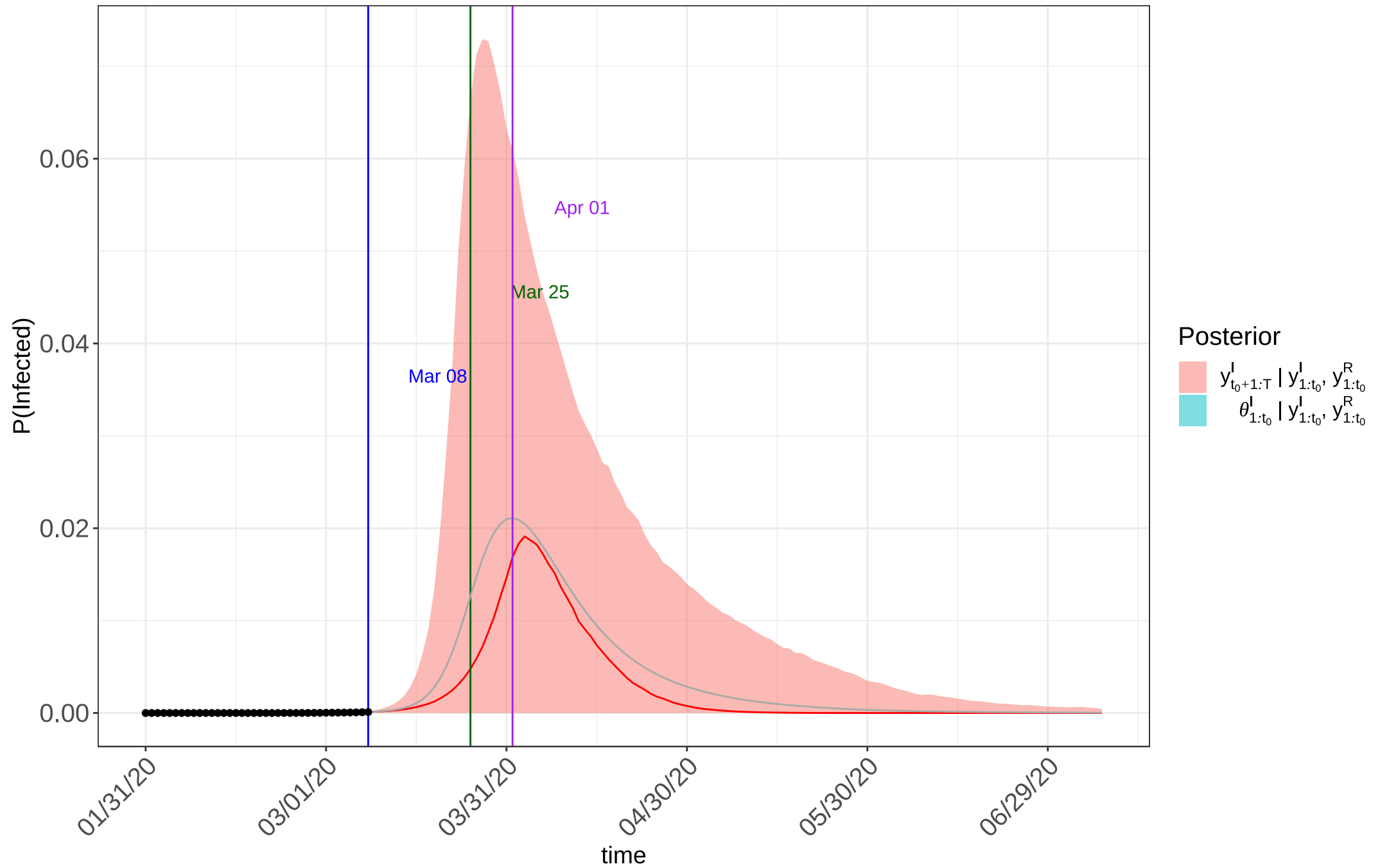


SIR model COVID-19 Italy



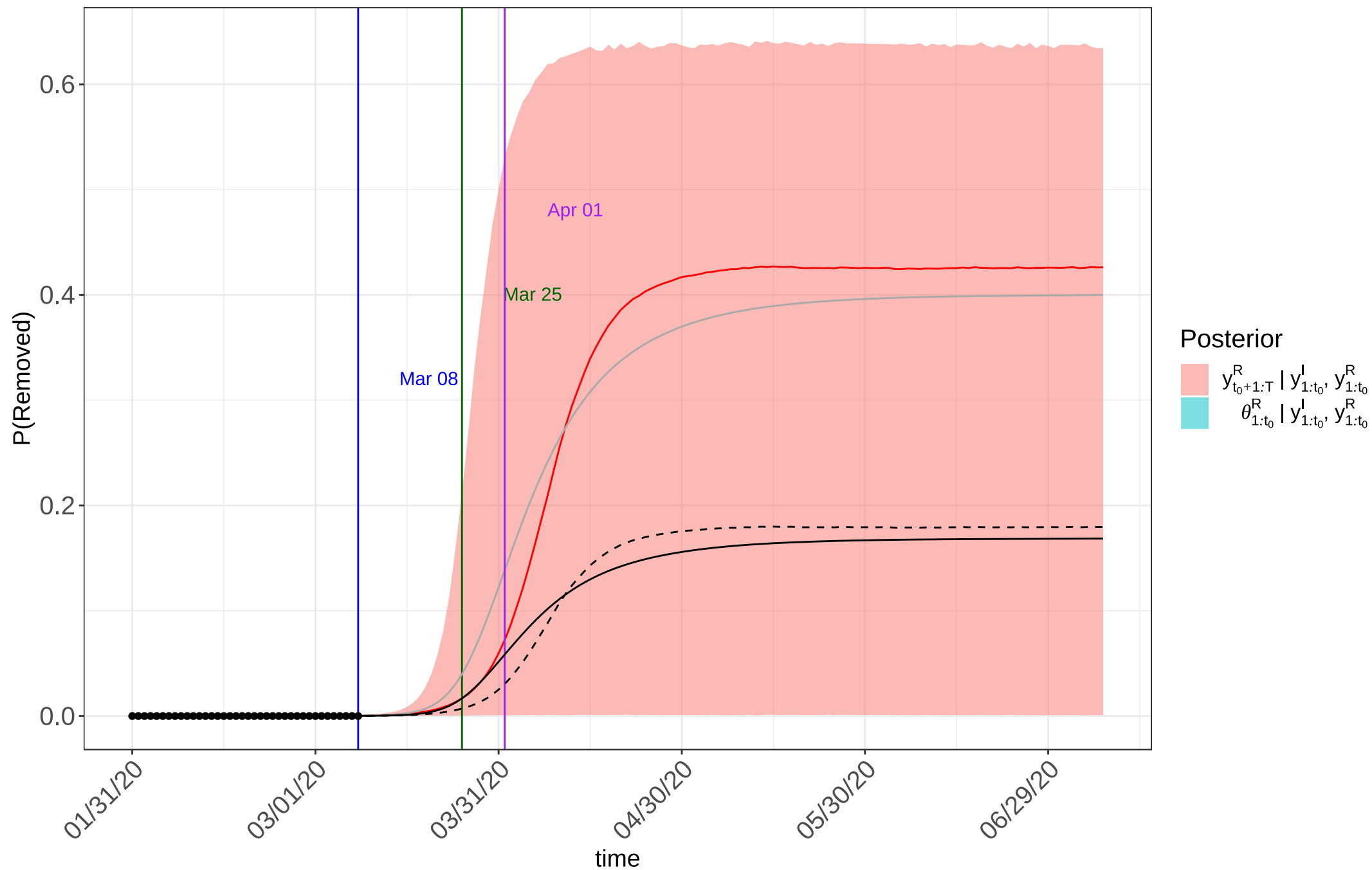
Italy_herd_immunity: infection forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

Posterior $\beta_p=1.13, \gamma_p=0.781$ and $R_0=1.45$



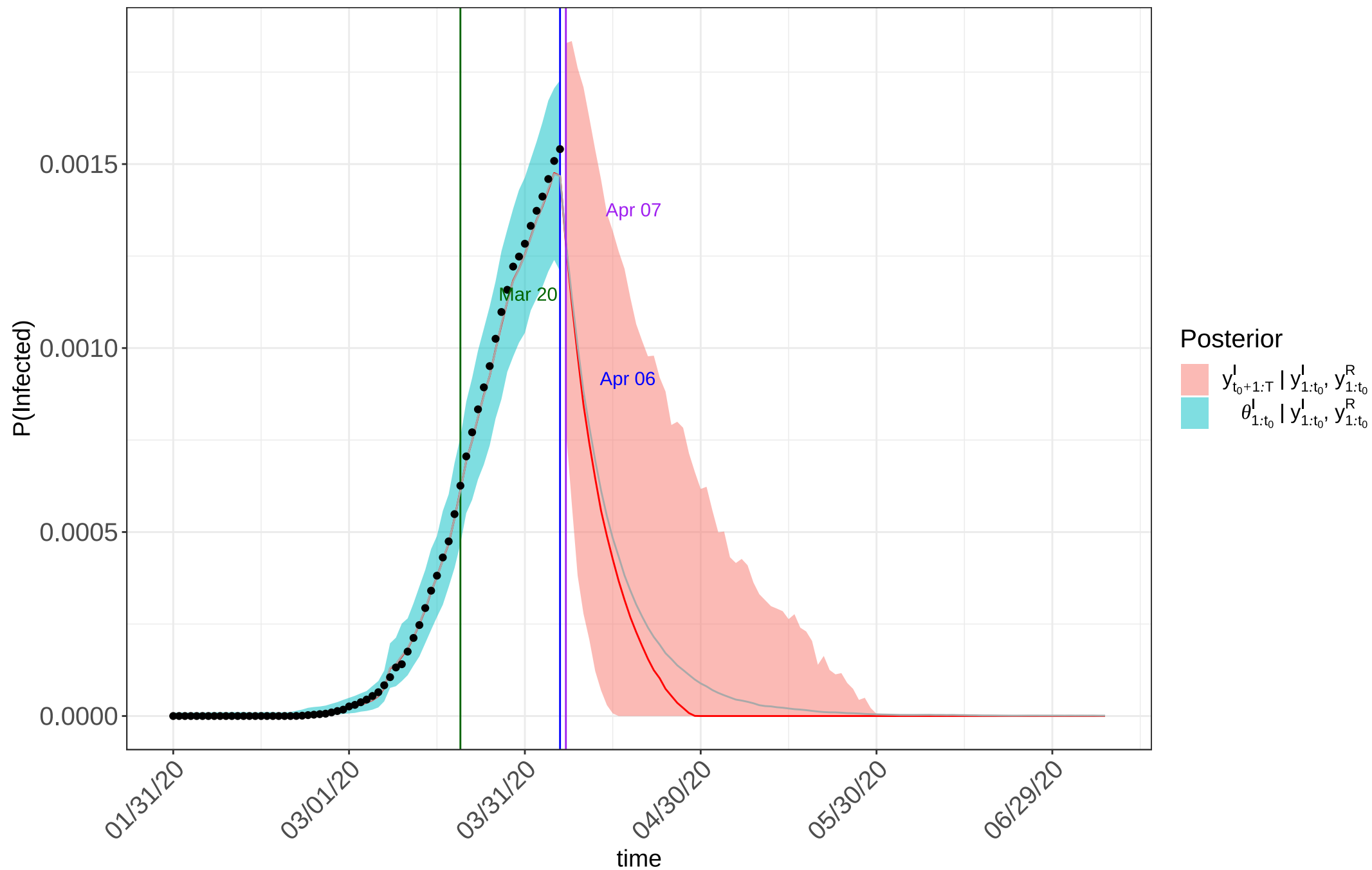
Italy_herd_immunity: removed forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

posterior: $\beta_p=1.13, \gamma_p=0.781$ and $R_0=1.45$



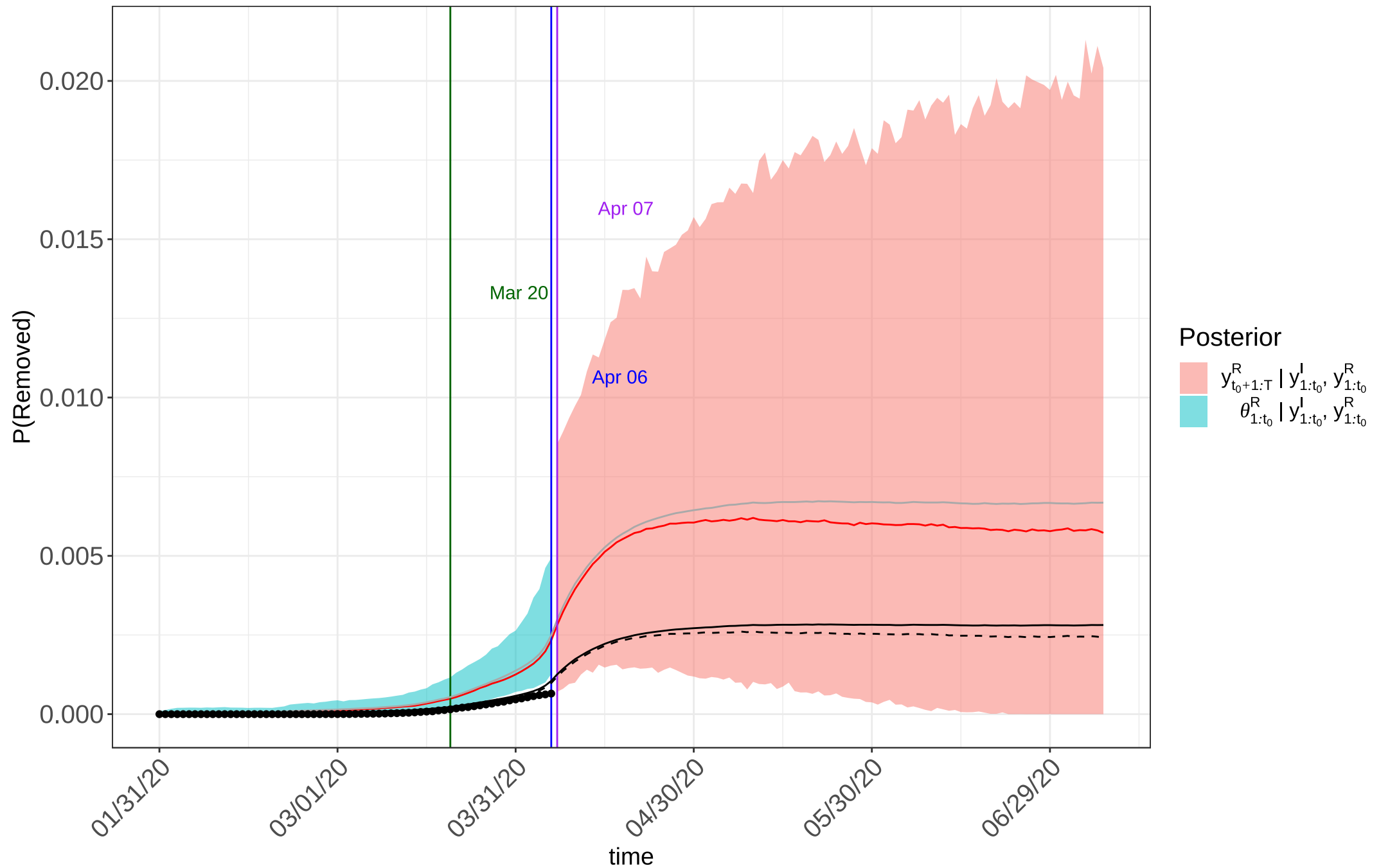
Italy_lockdown: infection forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

Posterior $\beta_p=1.52, \gamma_p=0.354$ and $R_0=4.31$



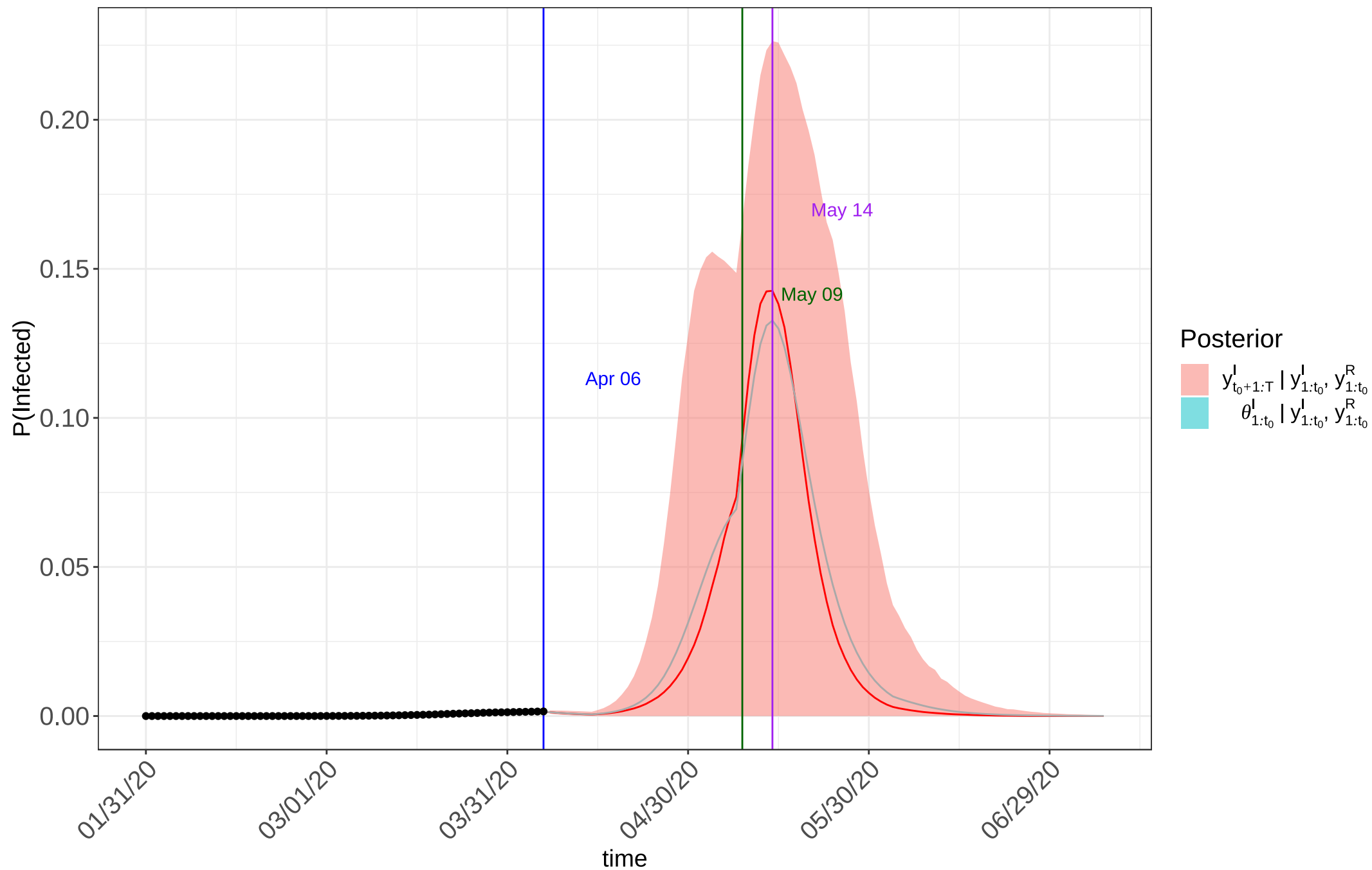
Italy_lockdown: removed forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

posterior: $\beta_p=1.52, \gamma_p=0.354$ and $R_0=4.31$



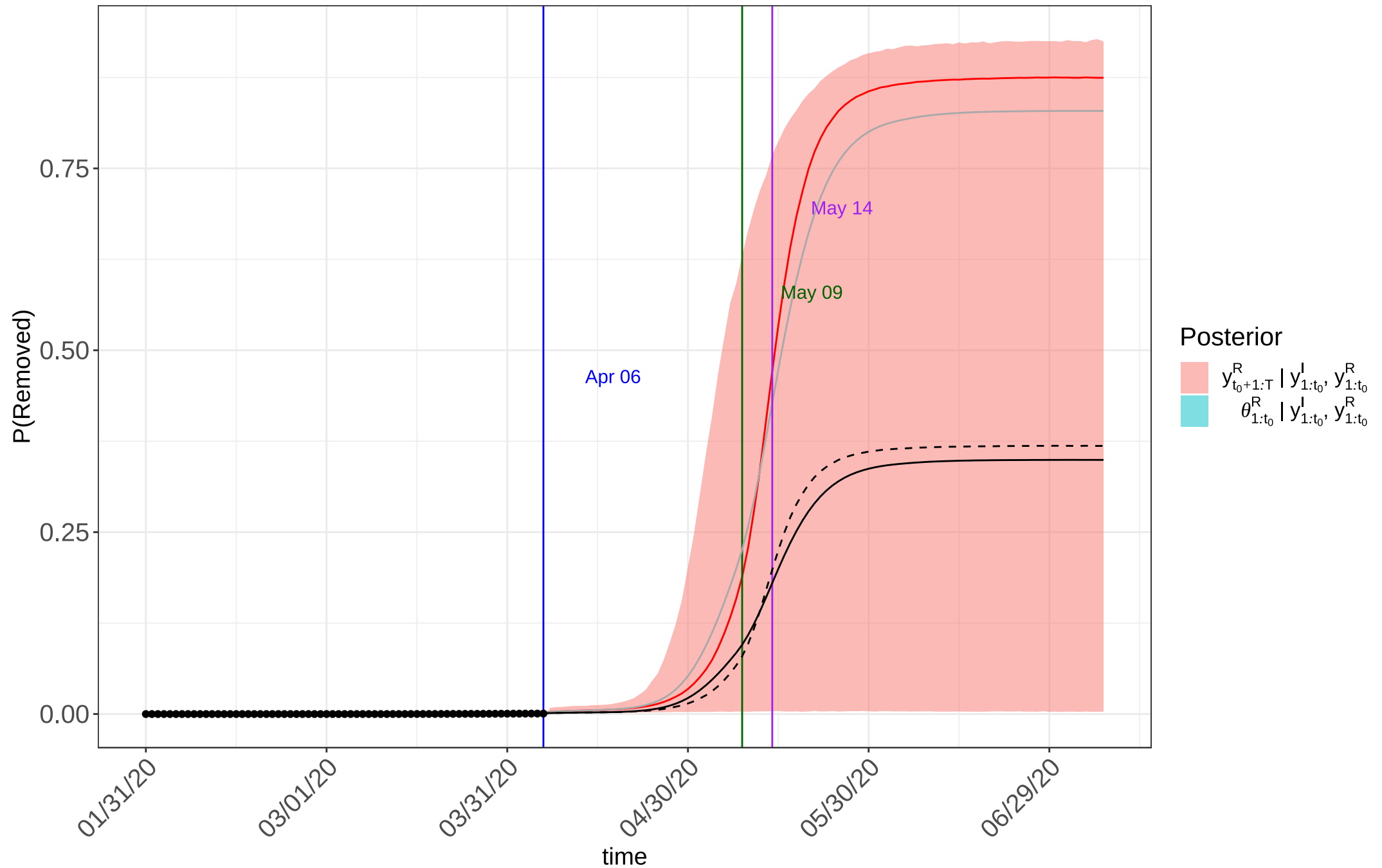
Italyafter_easter_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

Posterior $\beta_p=1.51, \gamma_p=0.354$ and $R_0=4.29$



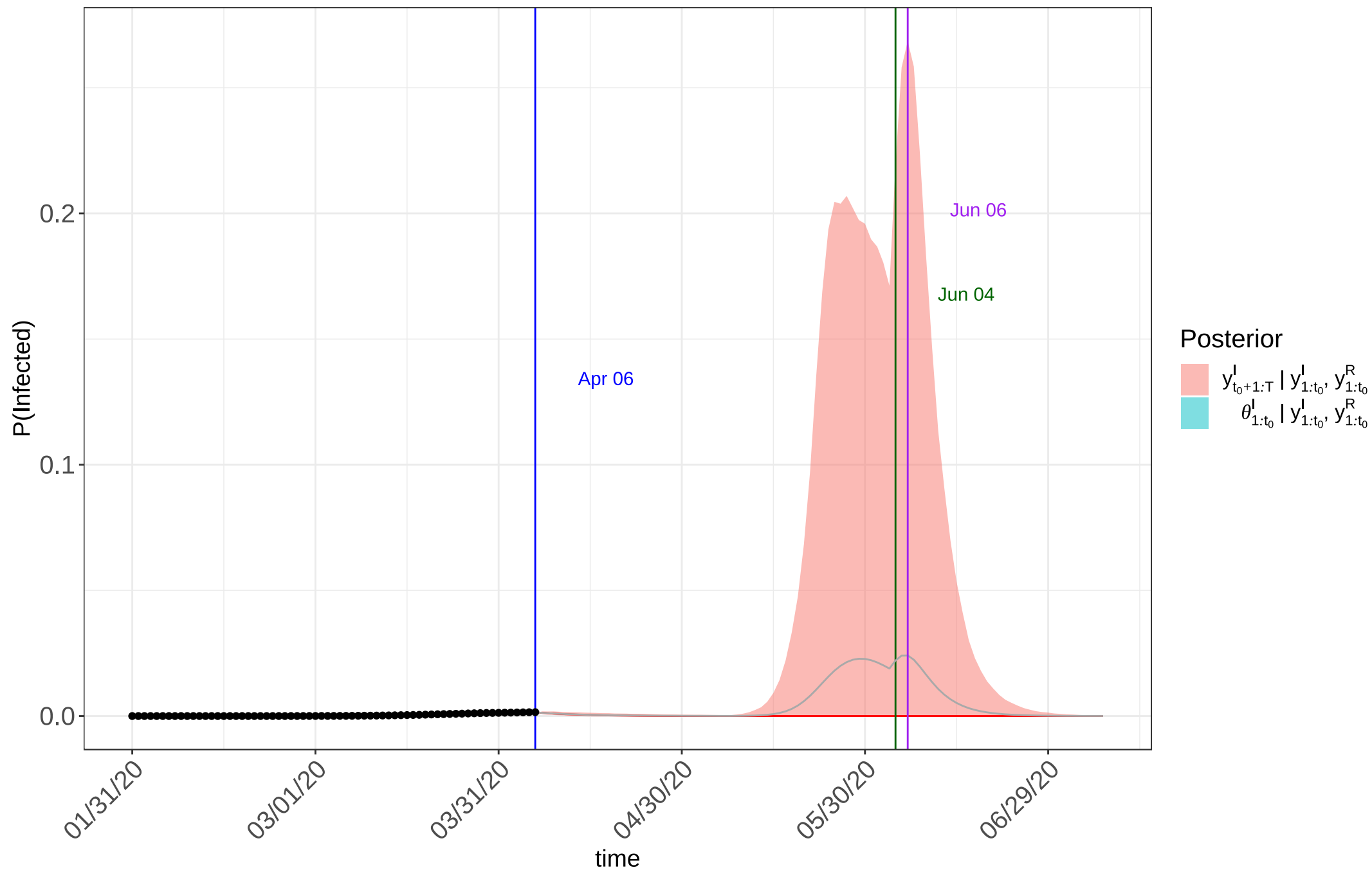
Italyafter_easter_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

posterior: $\beta_p=1.51, \gamma_p=0.354$ and $R_0=4.29$



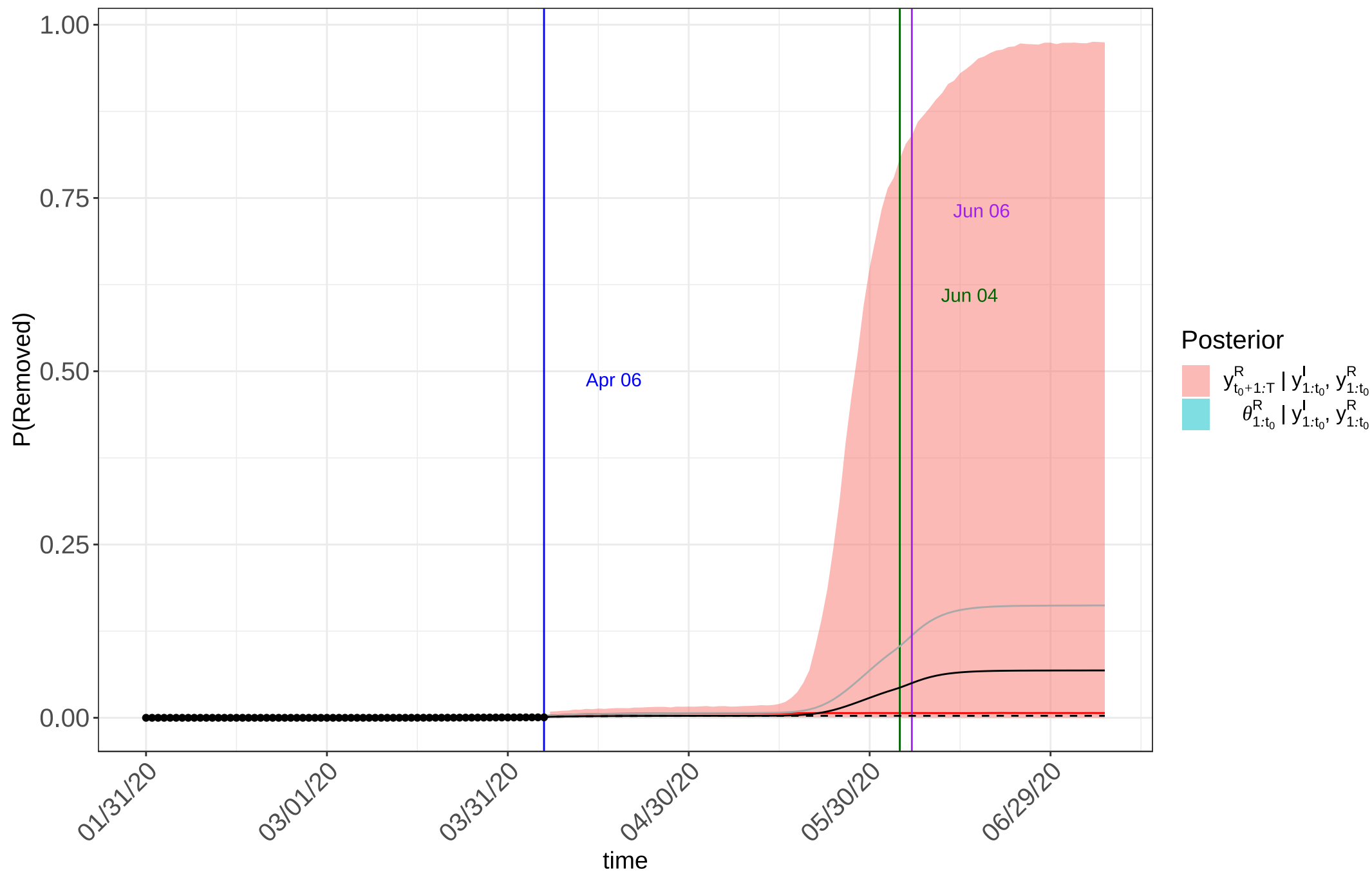
Italystep_after_1_may_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

Posterior $\beta_p=1.54, \gamma_p=0.362$ and $R_0=4.28$



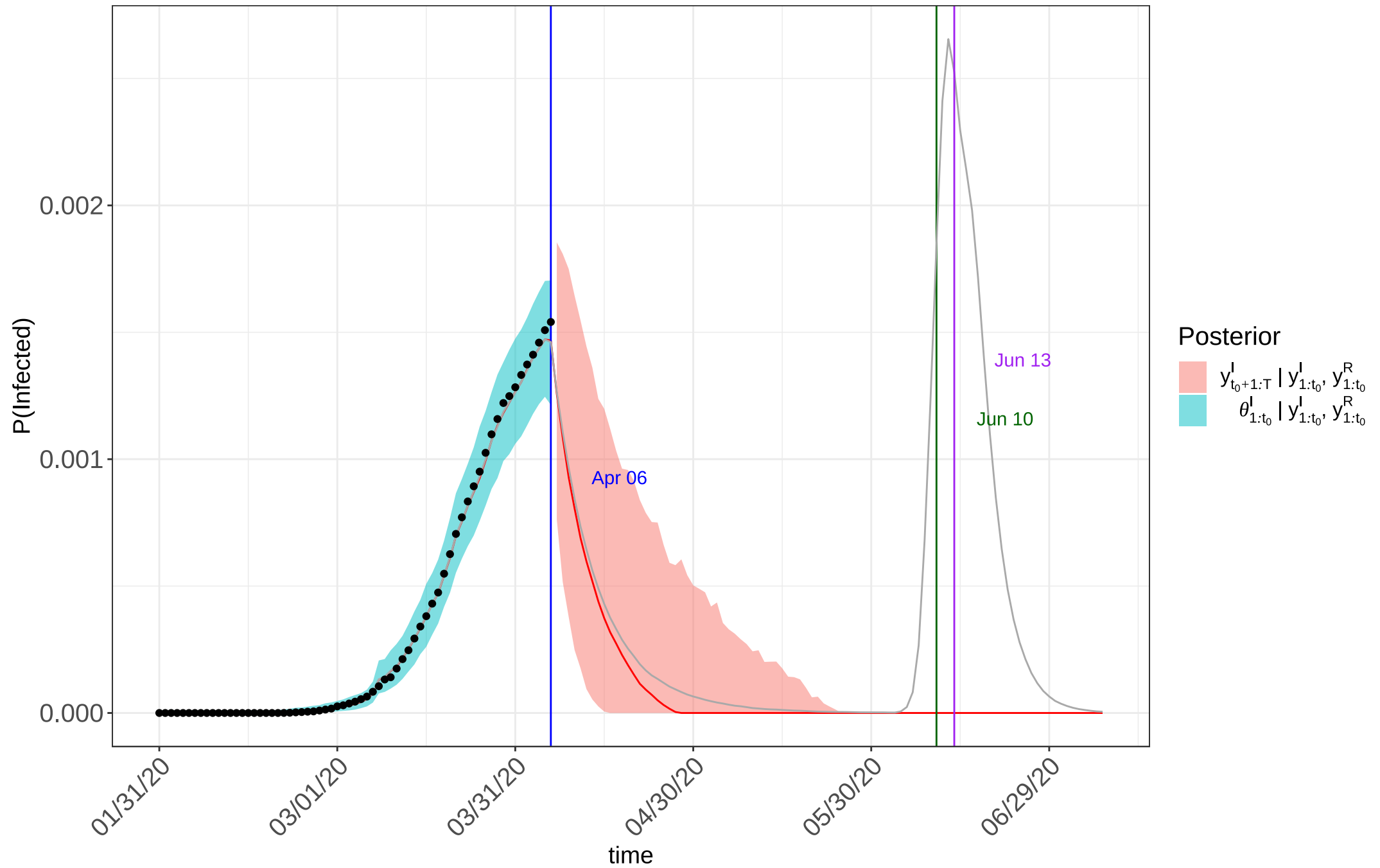
Italystep_after_1_may_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

posterior: $\beta_p=1.54, \gamma_p=0.362$ and $R_0=4.28$



Italyafter_2_june_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

Posterior $\beta_p=1.58, \gamma_p=0.376$ and $R_0=4.21$



Italyafter_2_june_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.856$ and $R_0=1.17$

posterior: $\beta_p=1.58, \gamma_p=0.376$ and $R_0=4.21$

