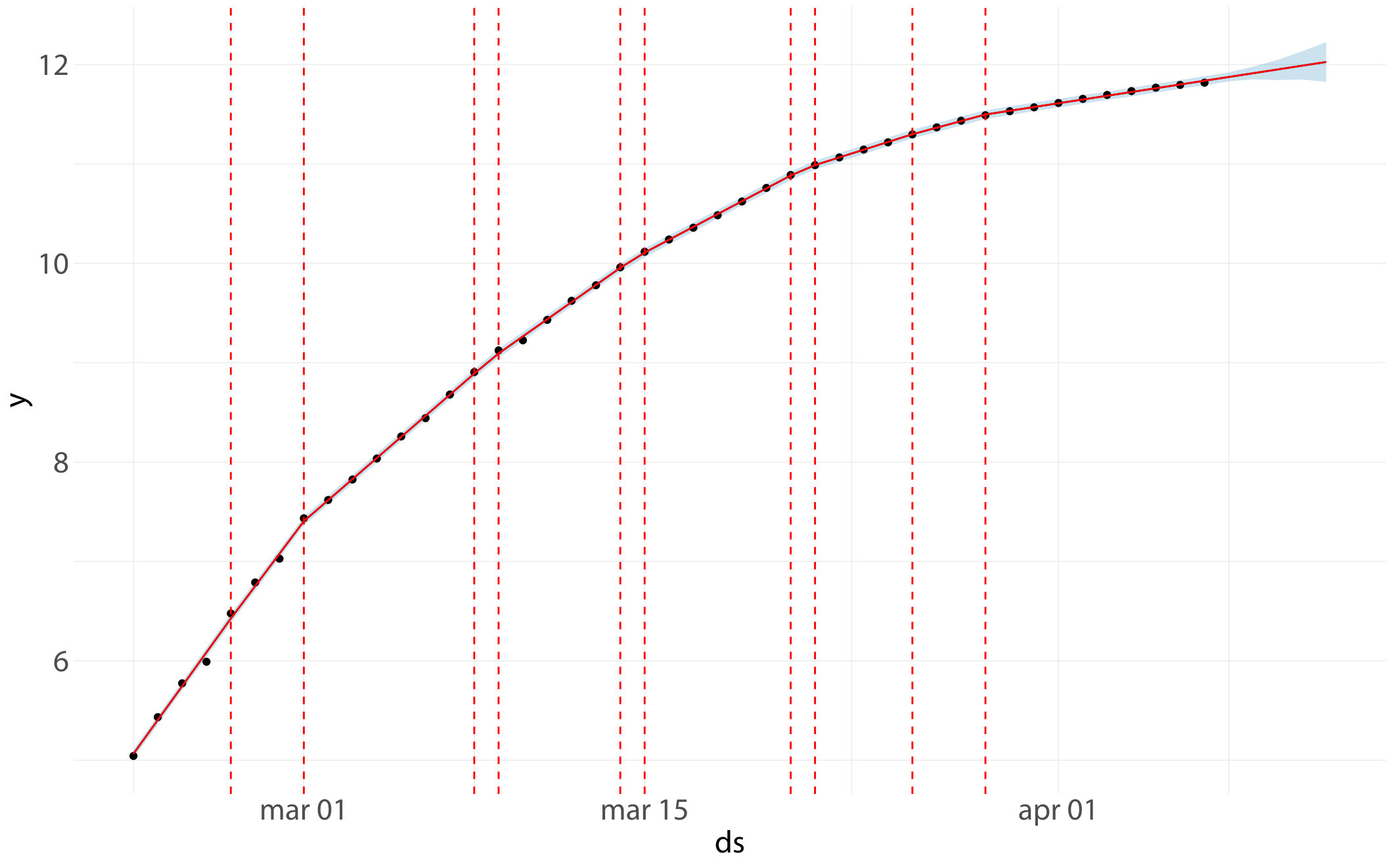
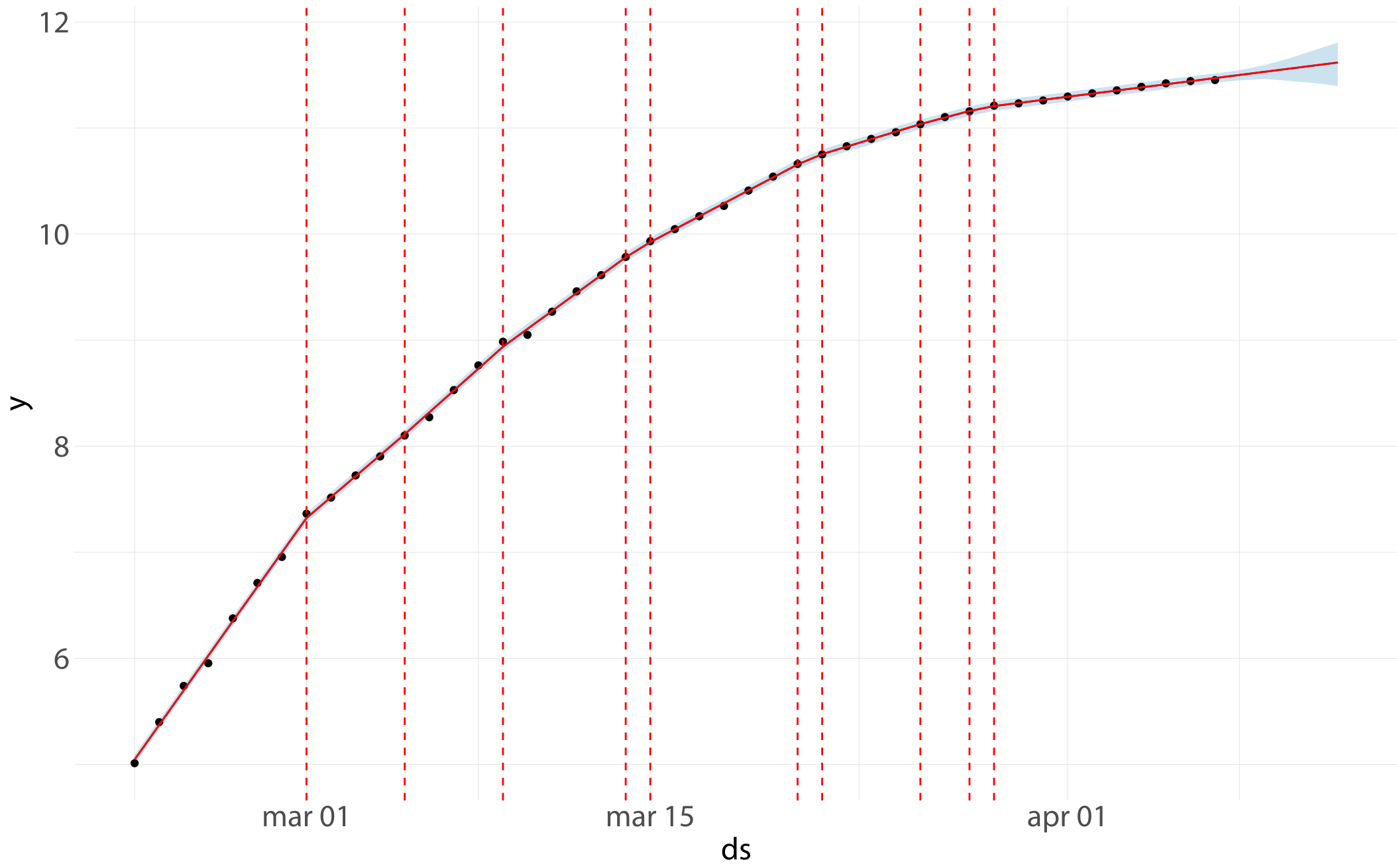


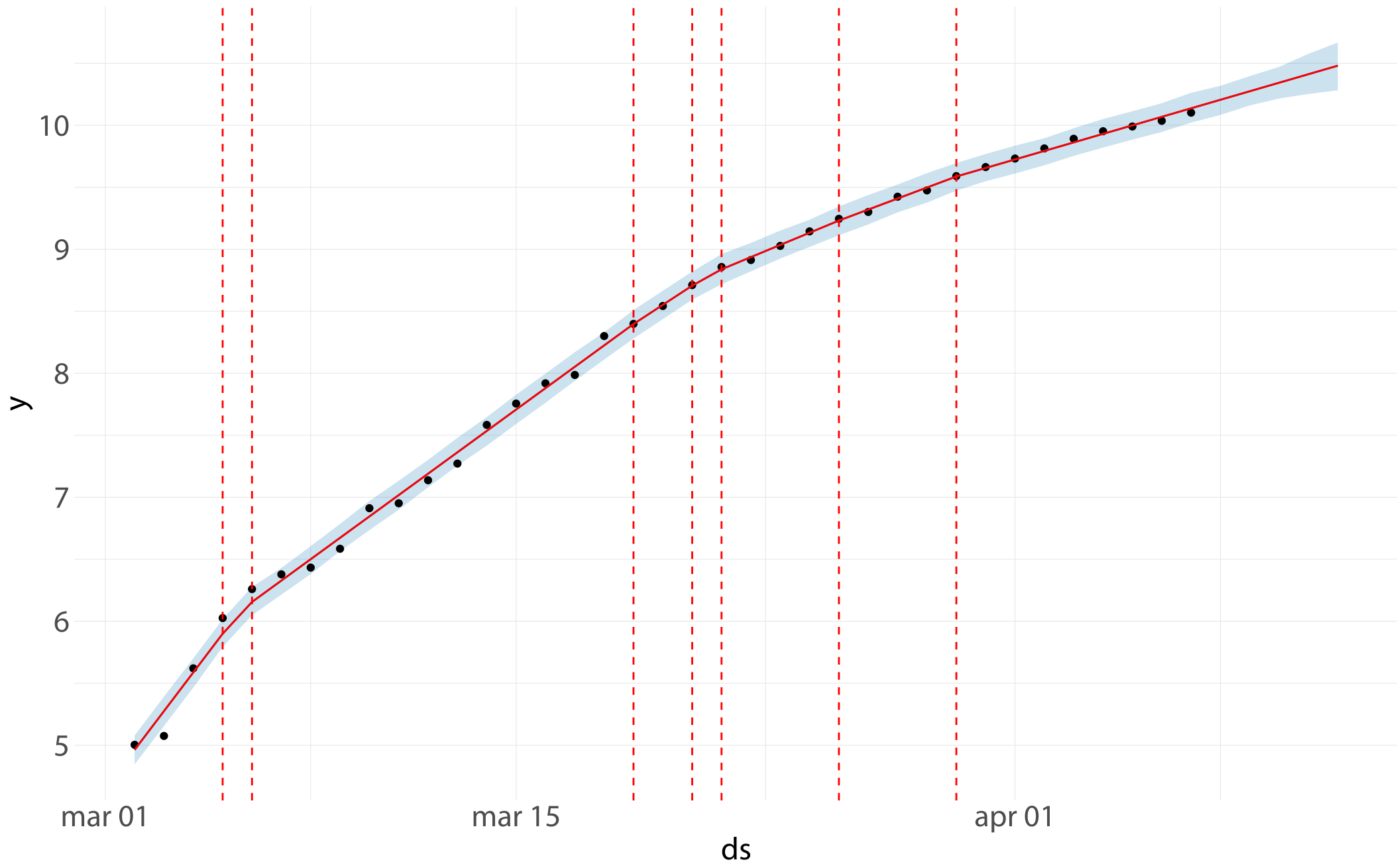
confirmed



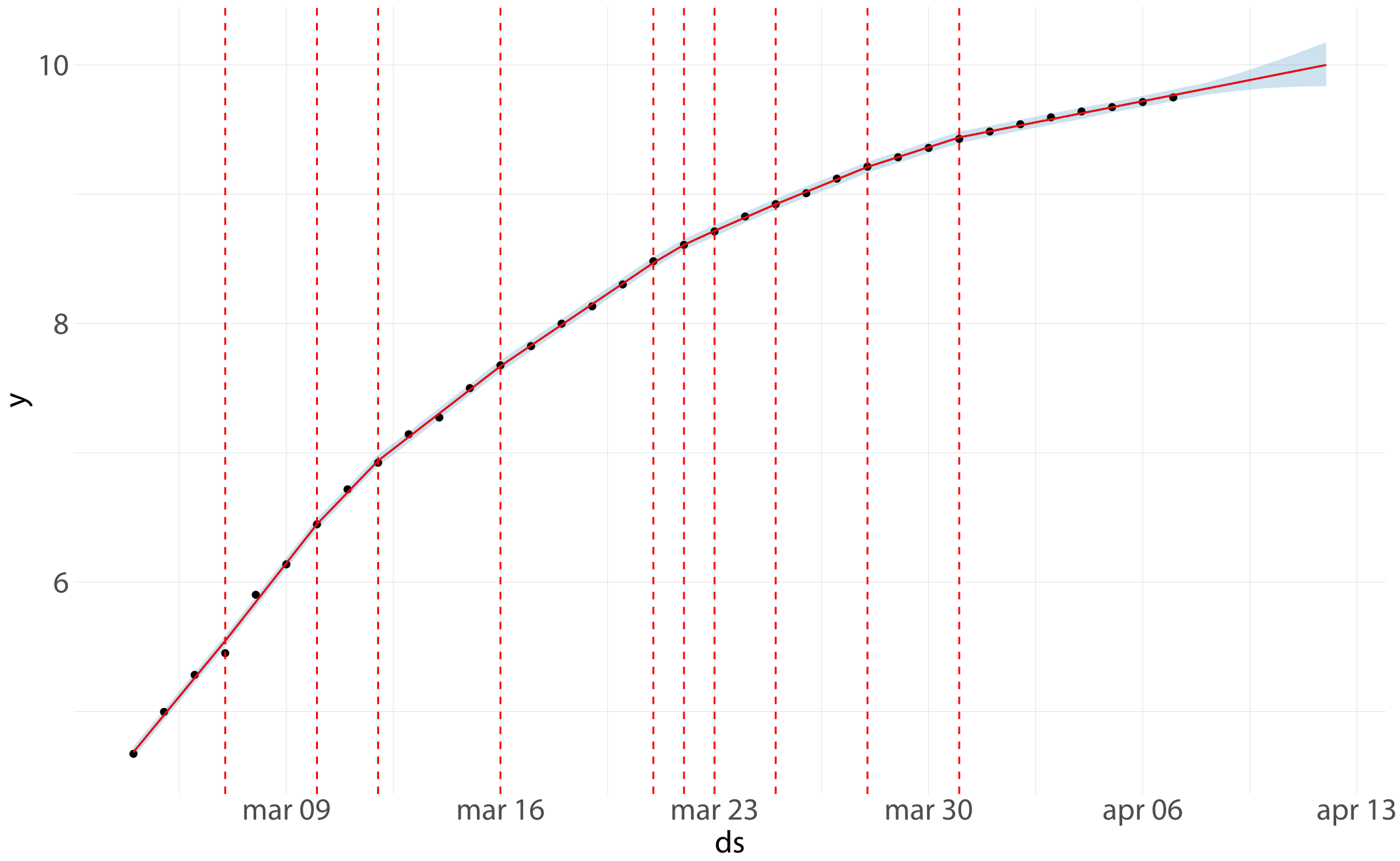
active



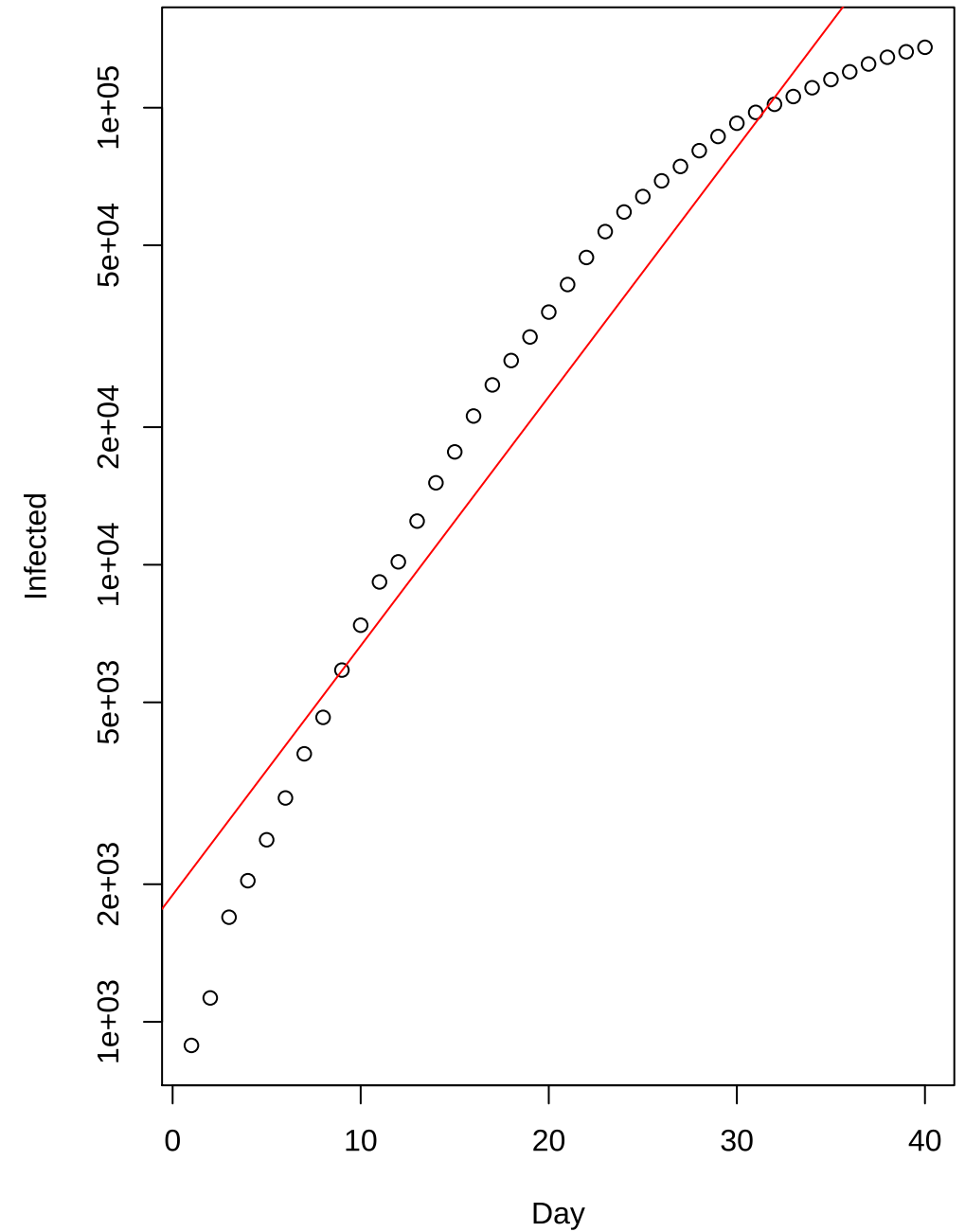
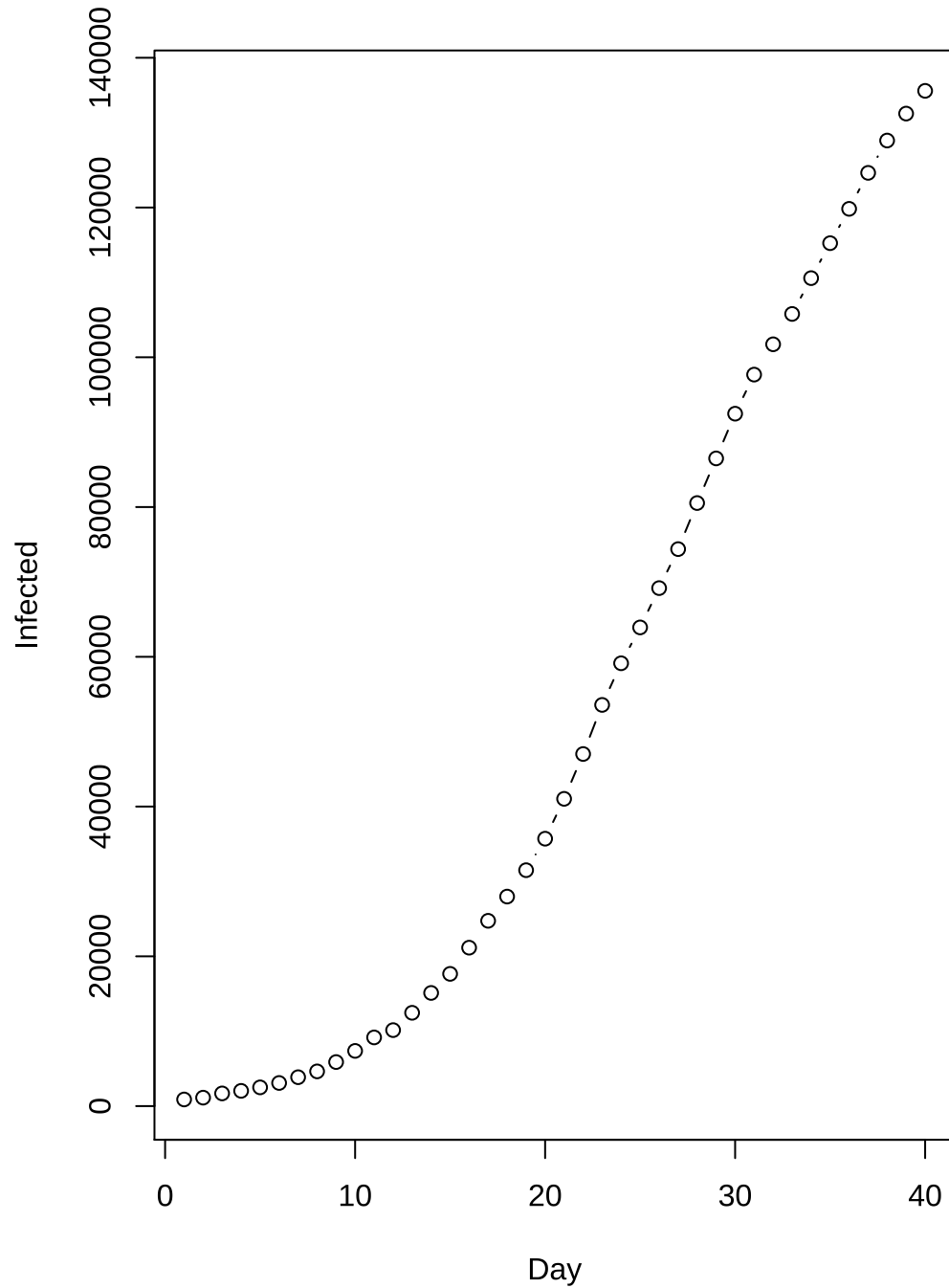
recovered



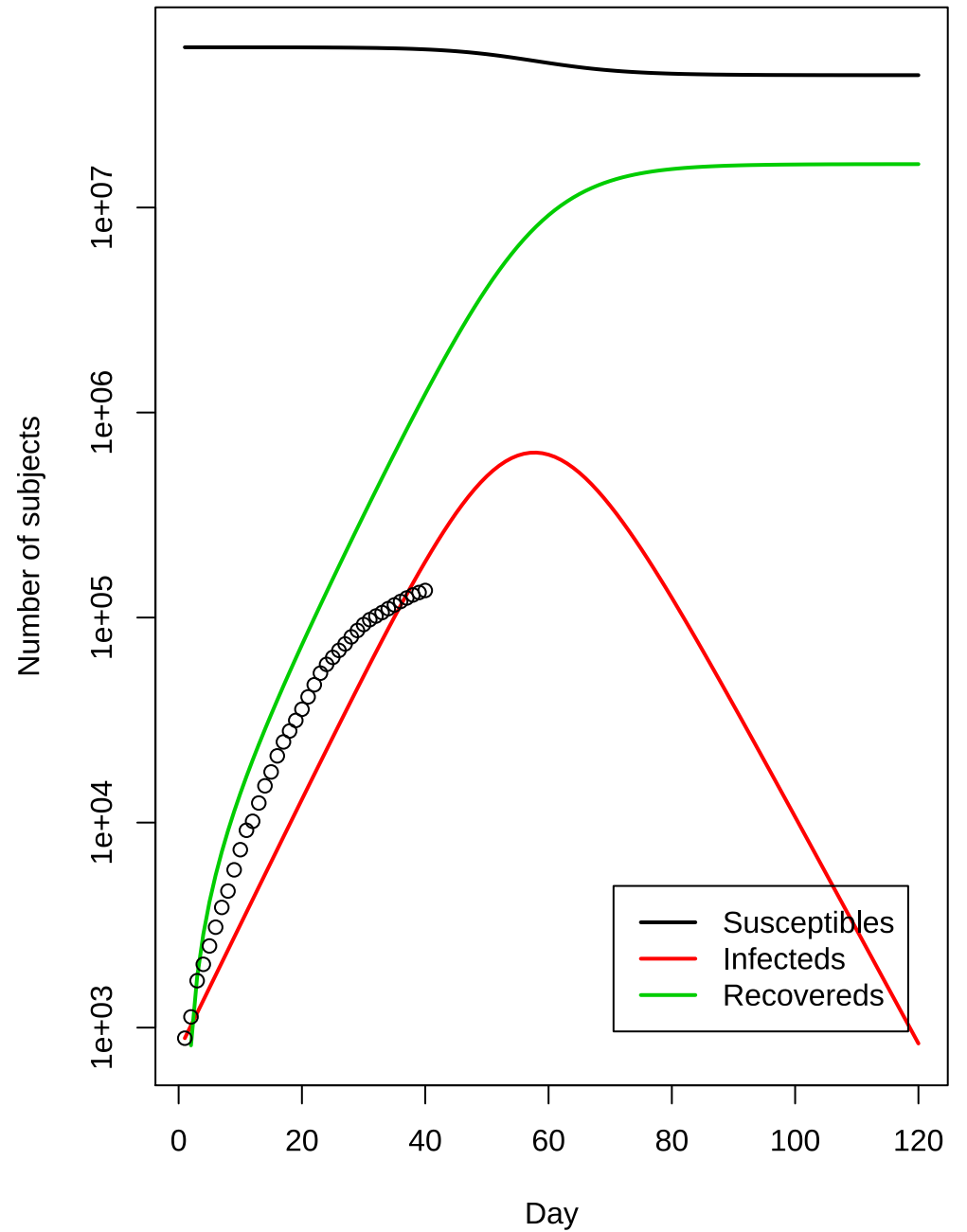
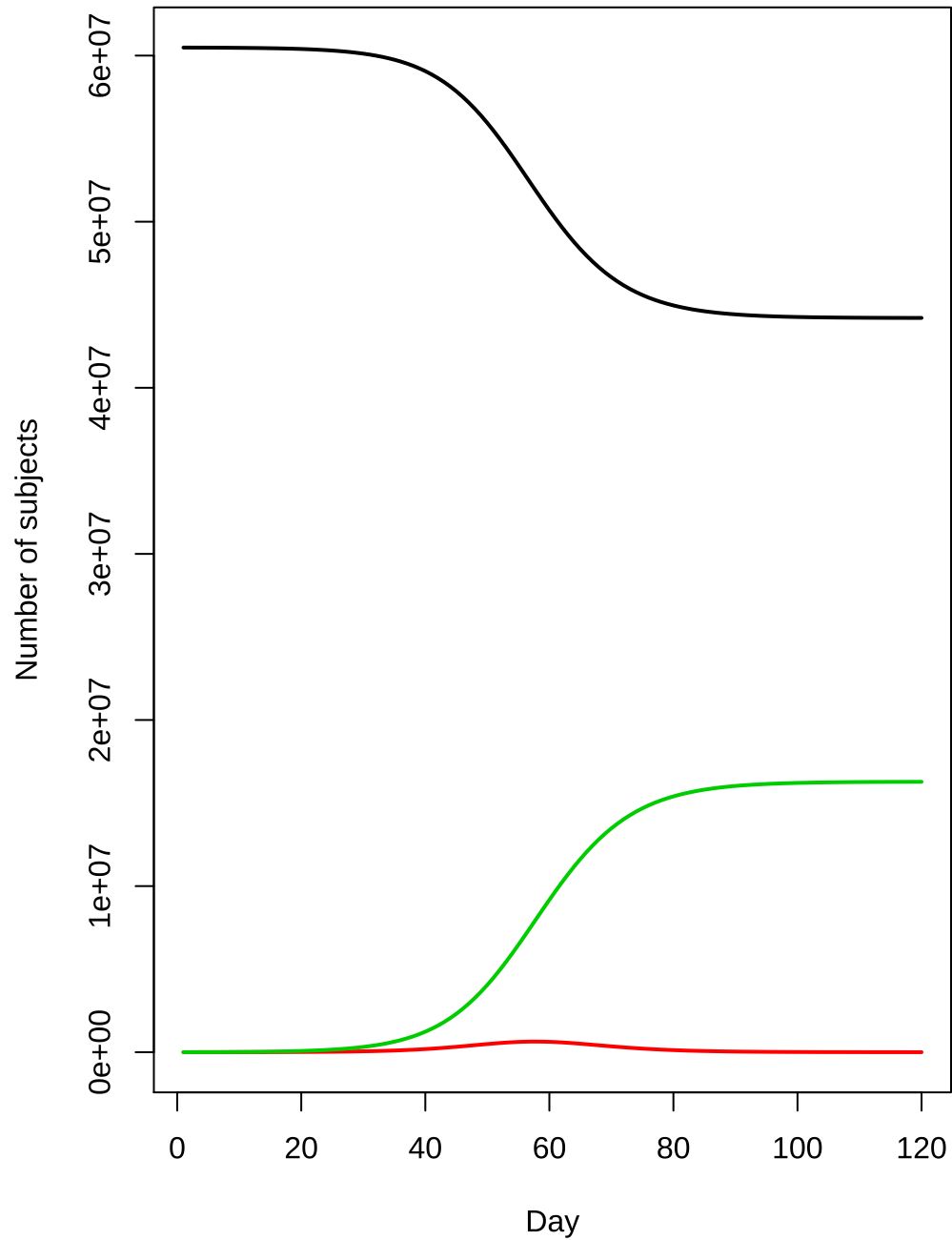
death



Total infections COVID-19 Italy

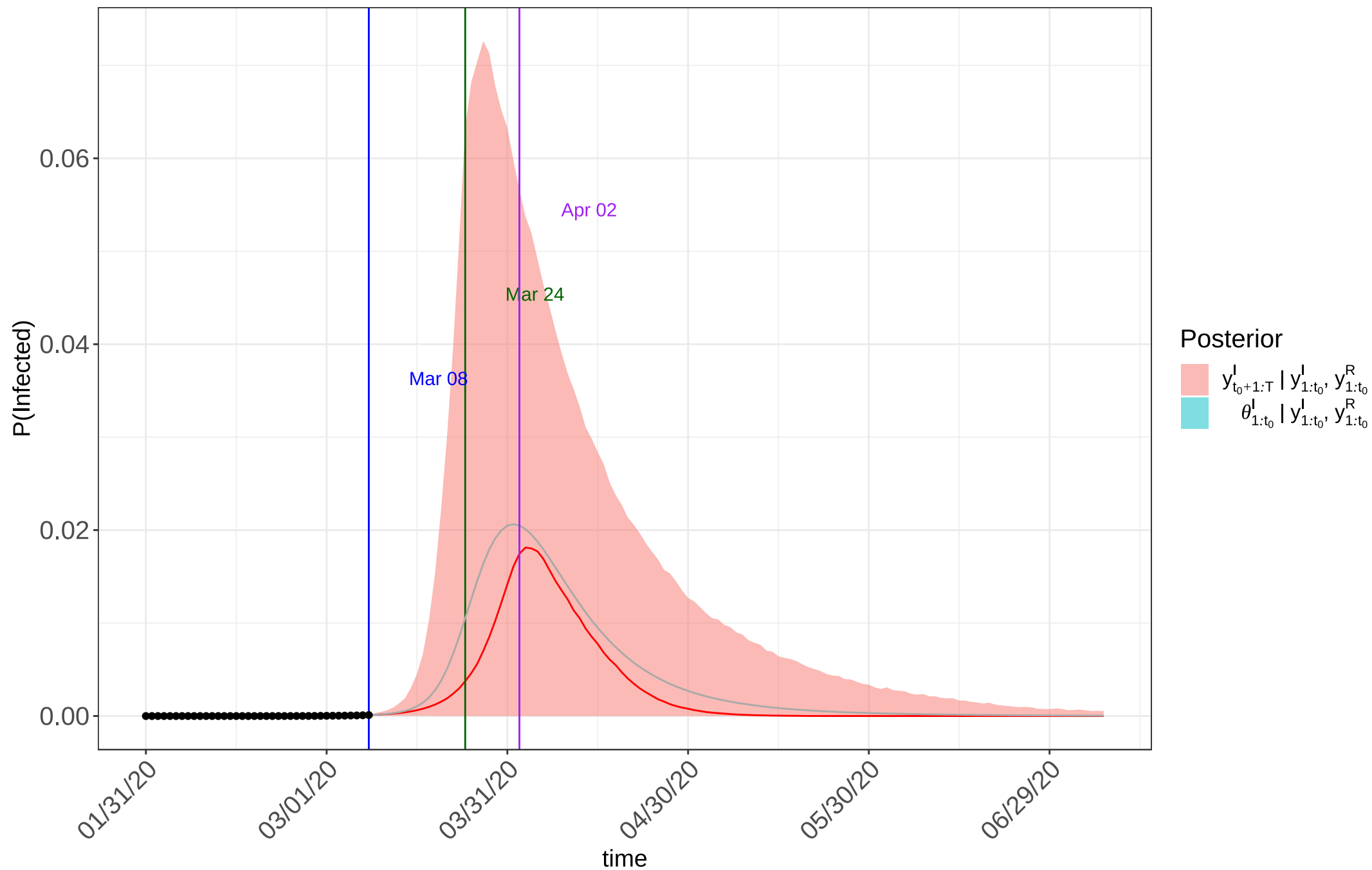


SIR model COVID-19 Italy



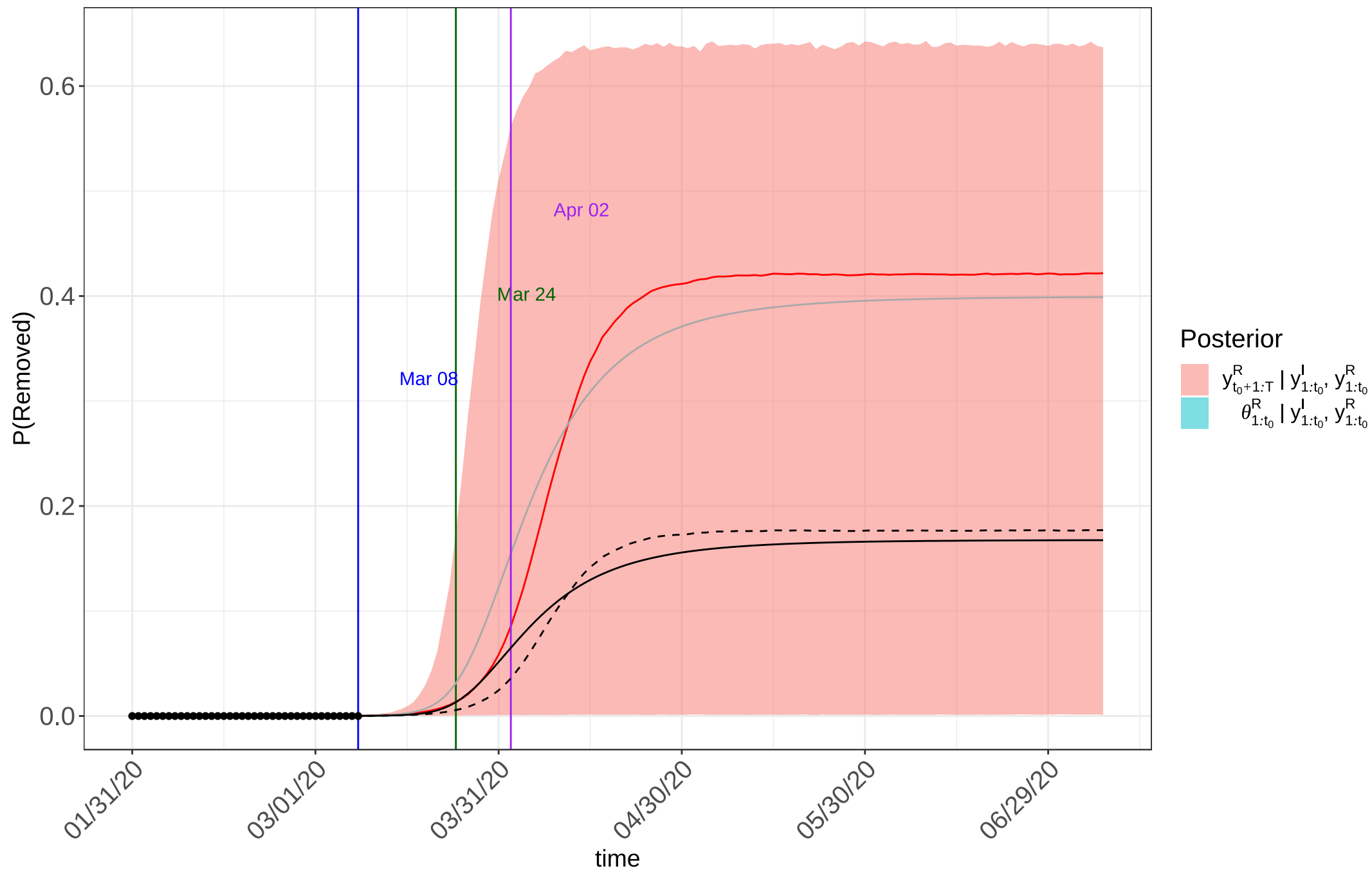
Italy_herd_immunity: infection forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

Posterior $\beta_p=1.14, \gamma_p=0.794$ and $R_0=1.45$



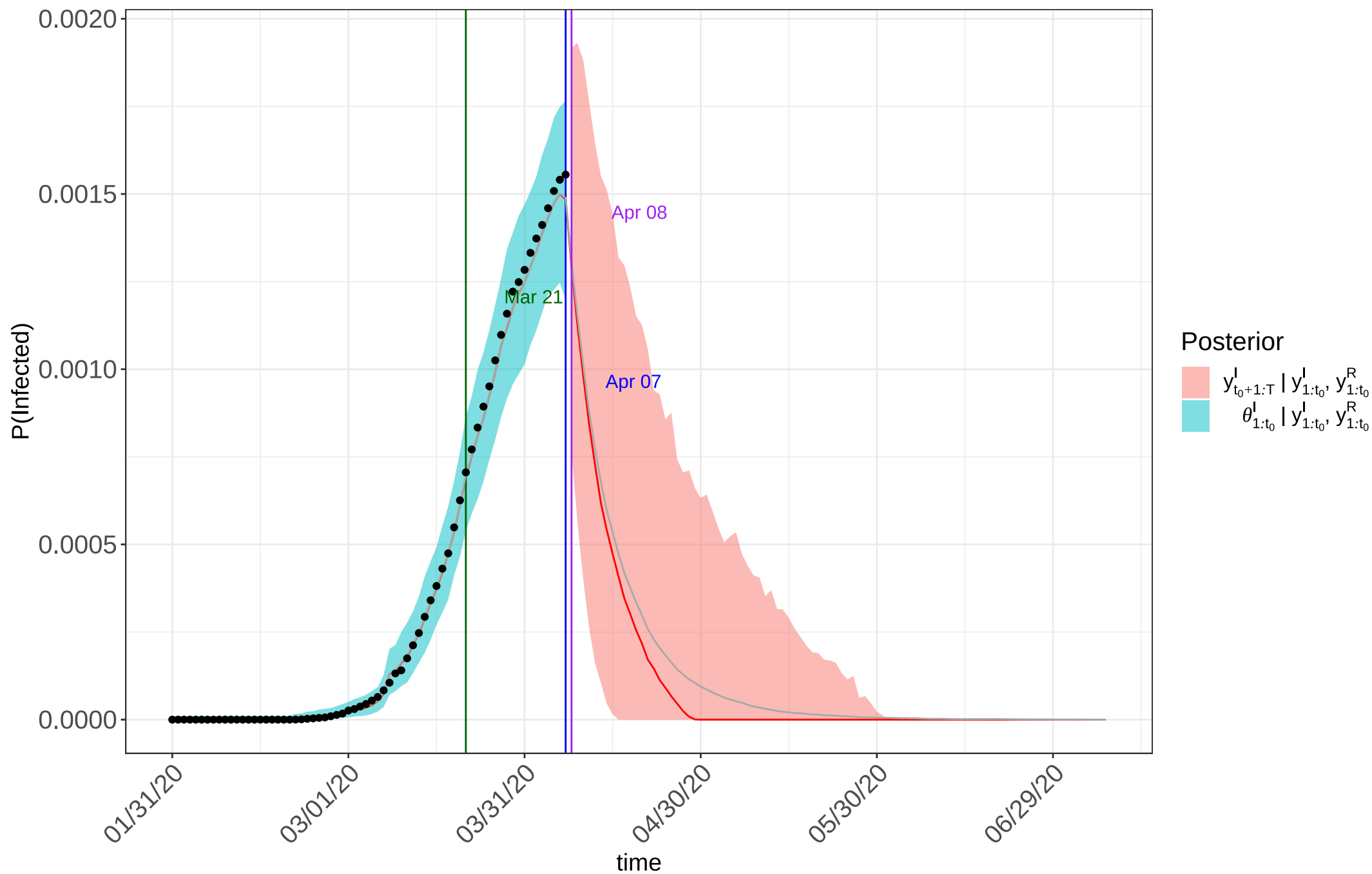
Italy_herd_immunity: removed forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

posterior: $\beta_p=1.14, \gamma_p=0.794$ and $R_0=1.45$



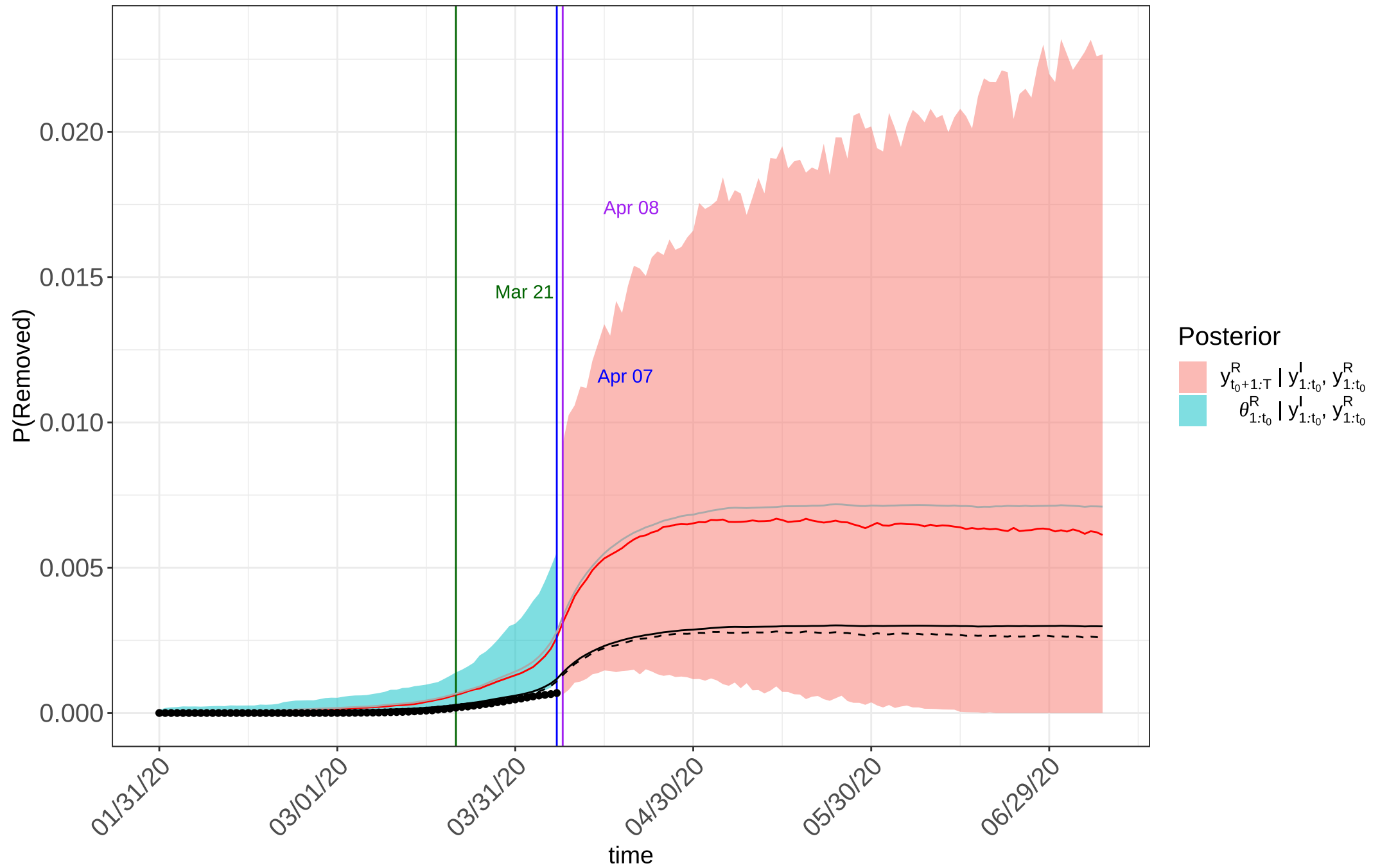
Italy_lockdown: infection forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

Posterior $\beta_p=1.59, \gamma_p=0.37$ and $R_0=4.31$



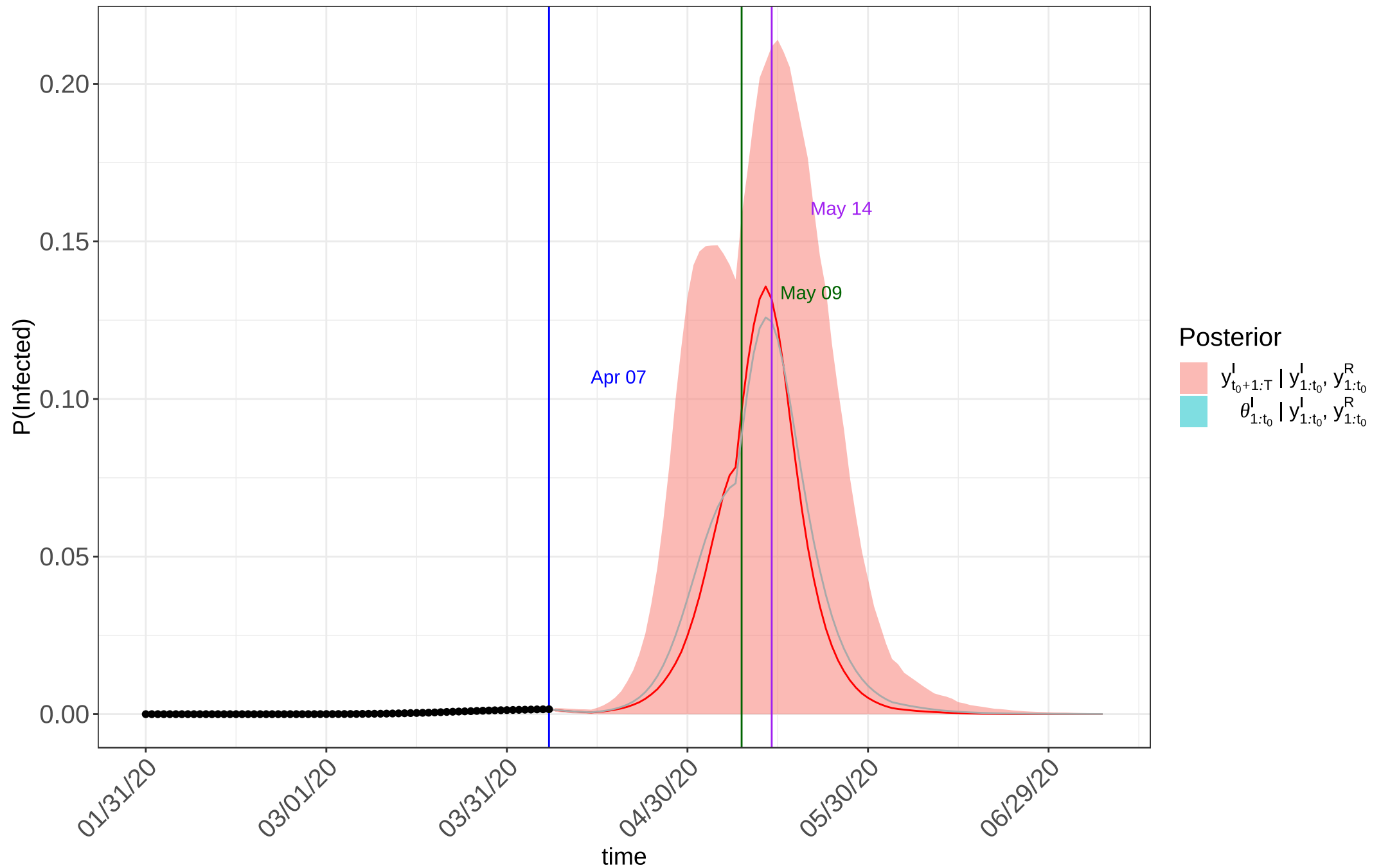
Italy_lockdown: removed forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

posterior: $\beta_p=1.59, \gamma_p=0.37$ and $R_0=4.31$



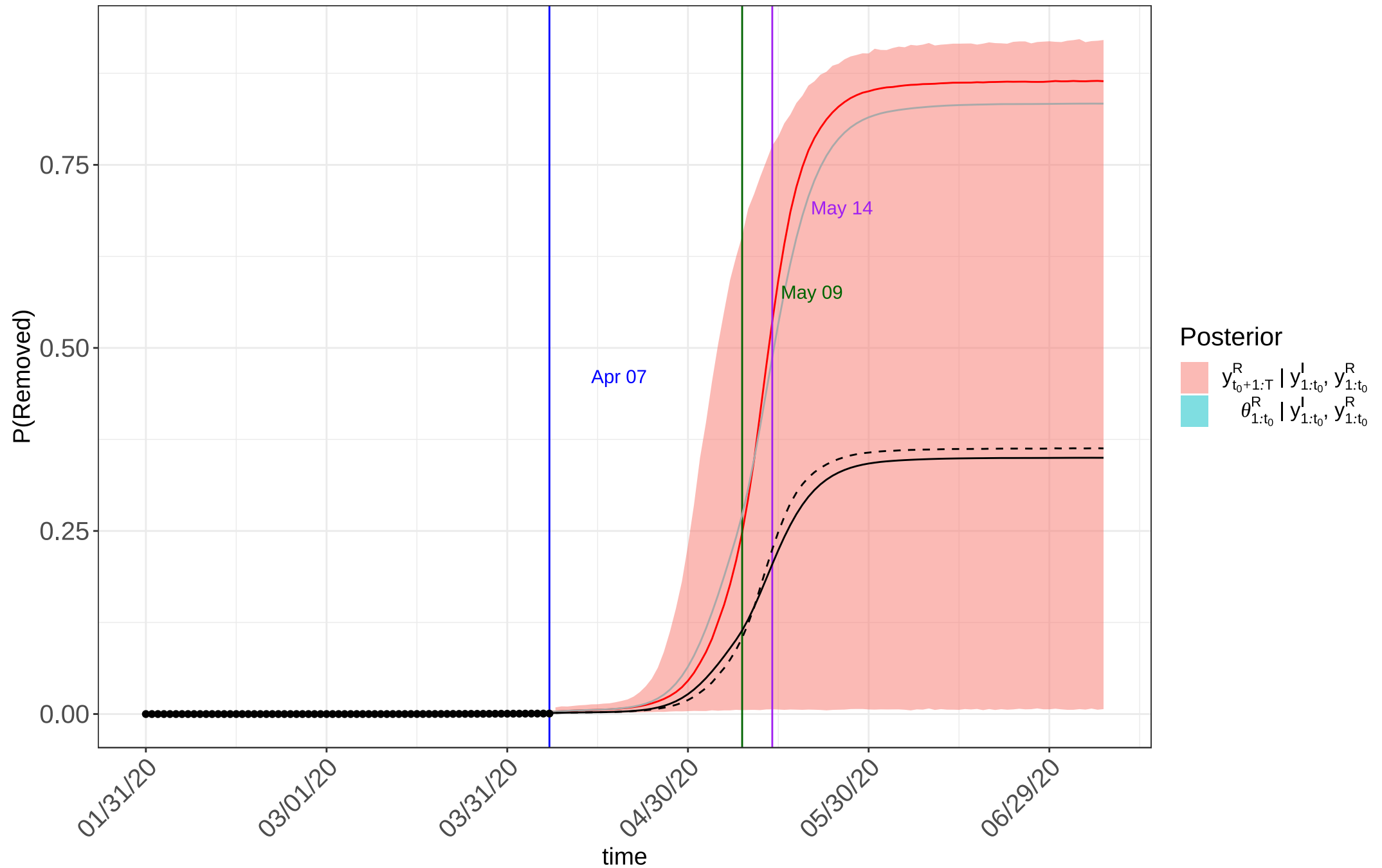
Italyafter_easter_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

Posterior $\beta_p=1.62, \gamma_p=0.38$ and $R_0=4.26$



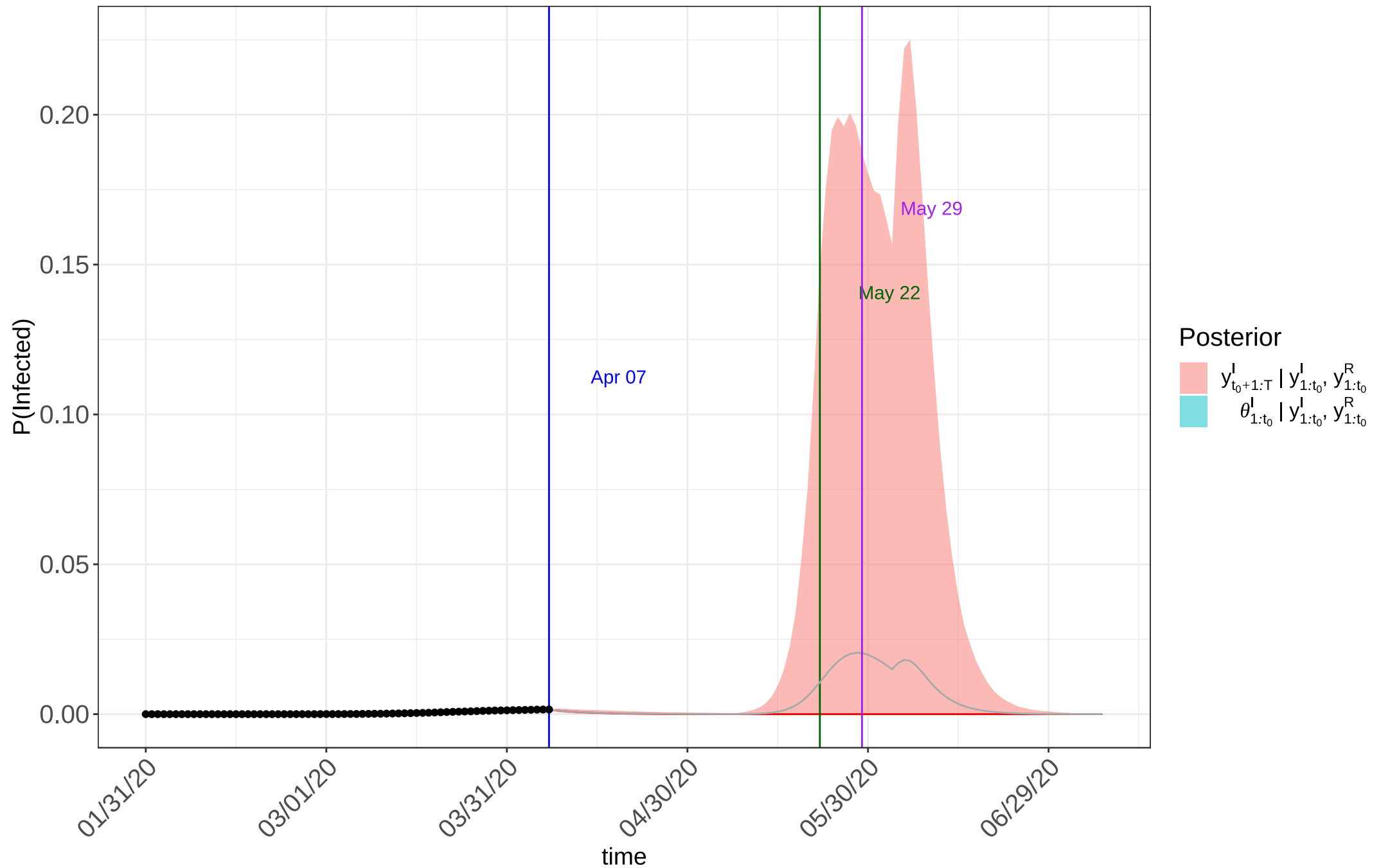
Italyafter_easter_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

posterior: $\beta_p=1.62, \gamma_p=0.38$ and $R_0=4.26$



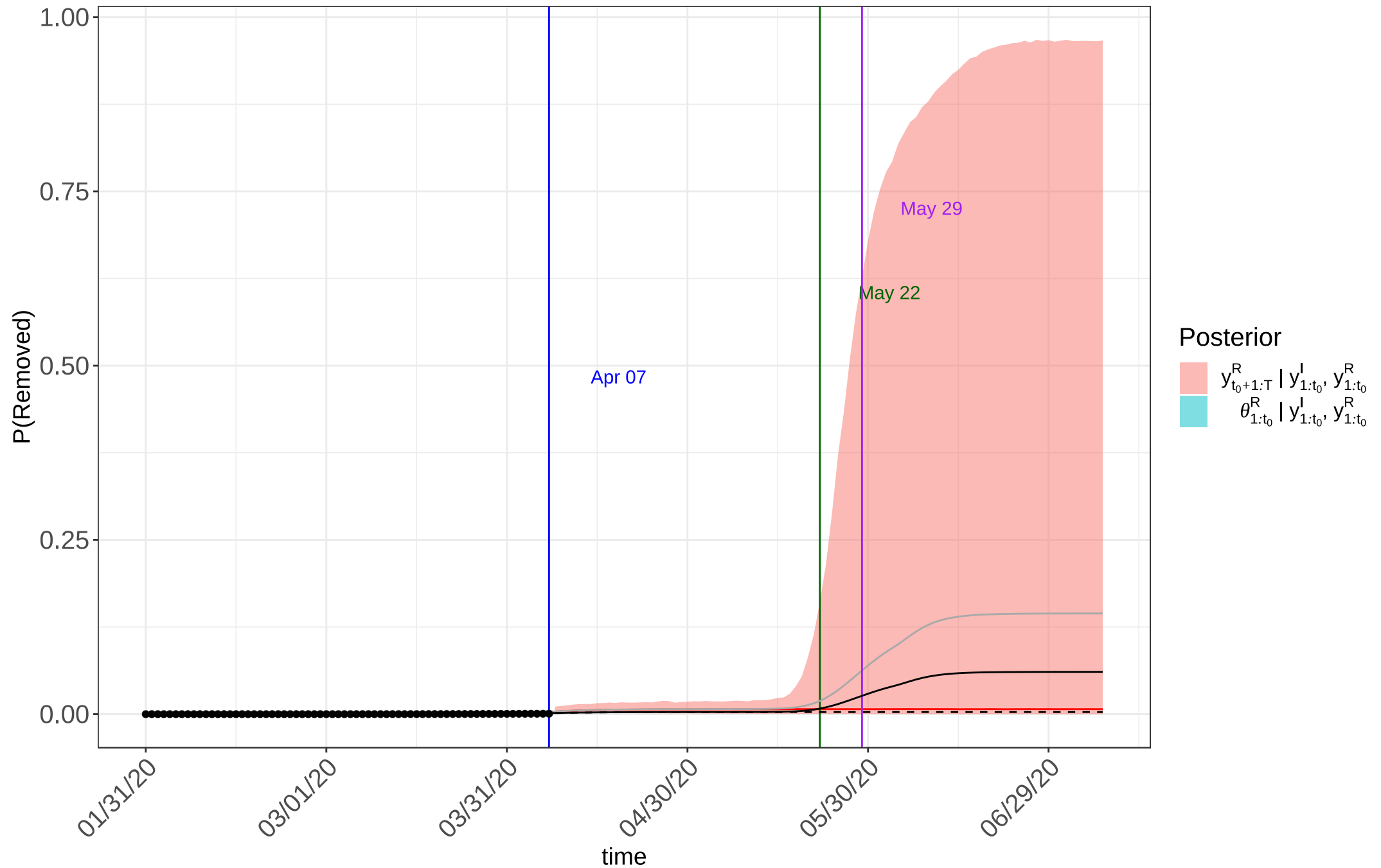
Italystep_after_1_may_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

Posterior $\beta_p=1.64, \gamma_p=0.386$ and $R_0=4.26$



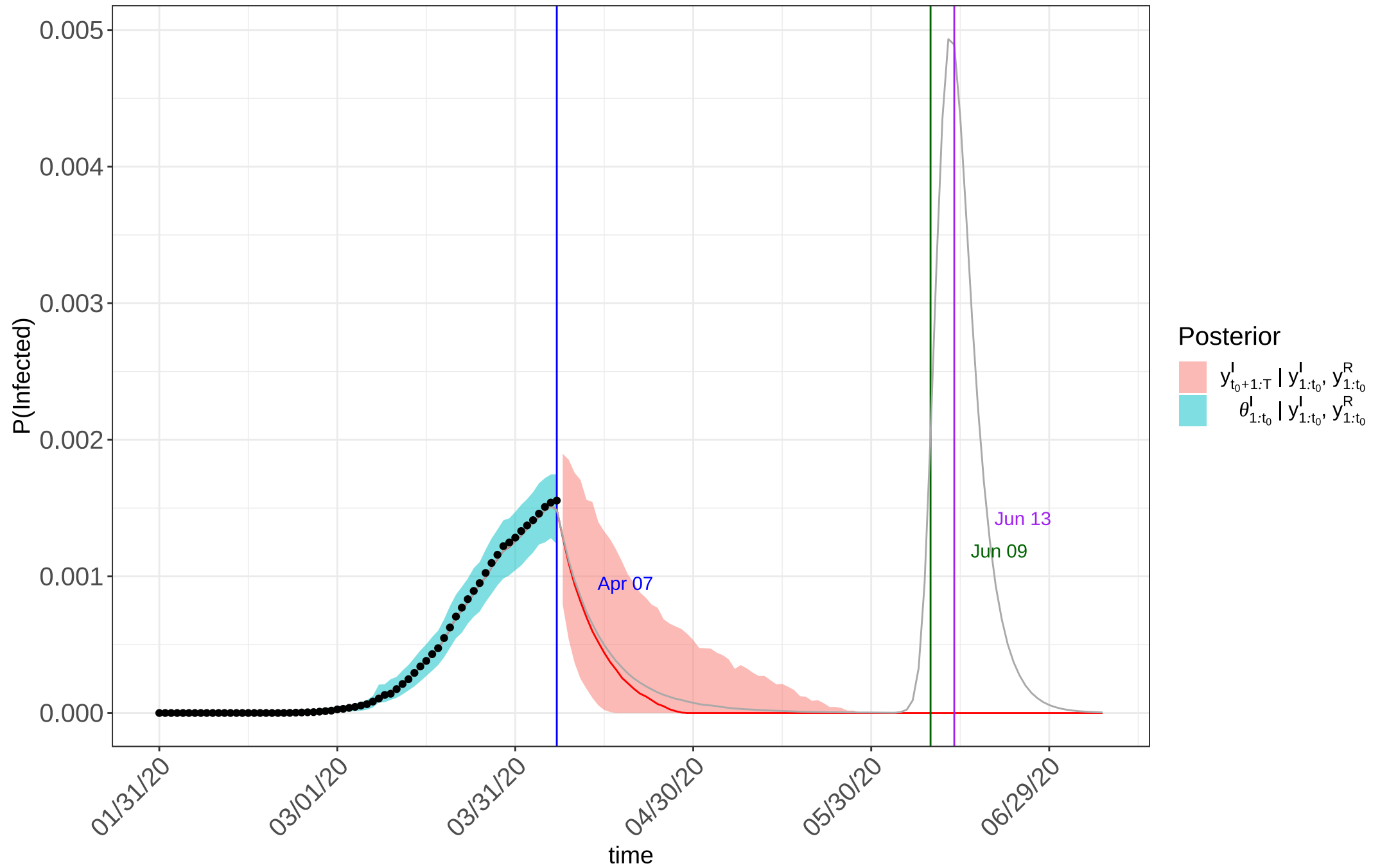
Italystep_after_1_may_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

posterior: $\beta_p=1.64, \gamma_p=0.386$ and $R_0=4.26$



Italyafter_2_june_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

Posterior $\beta_p=1.62, \gamma_p=0.384$ and $R_0=4.25$



Italyafter_2_june_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.858$ and $R_0=1.16$

posterior: $\beta_p=1.62, \gamma_p=0.384$ and $R_0=4.25$

