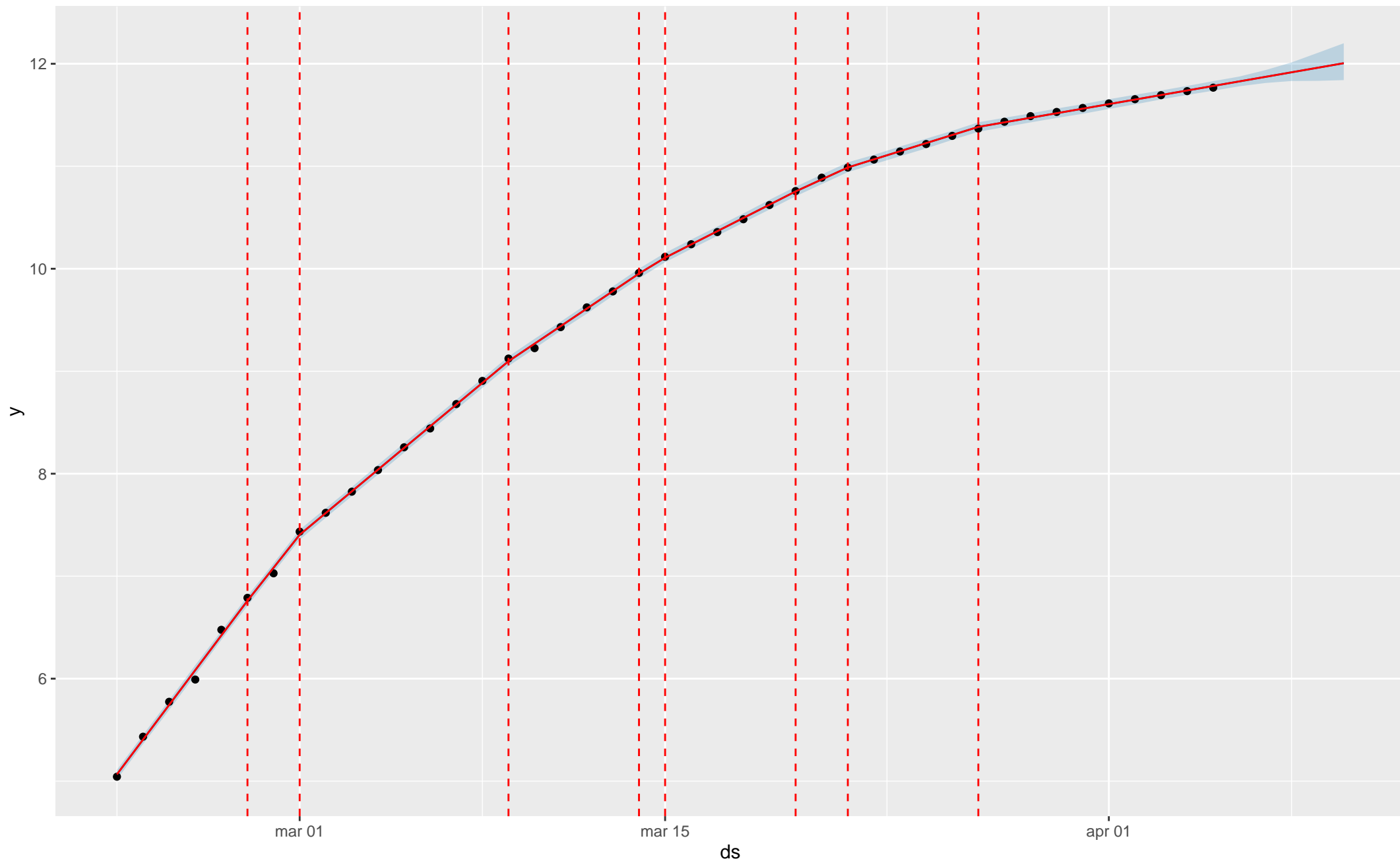
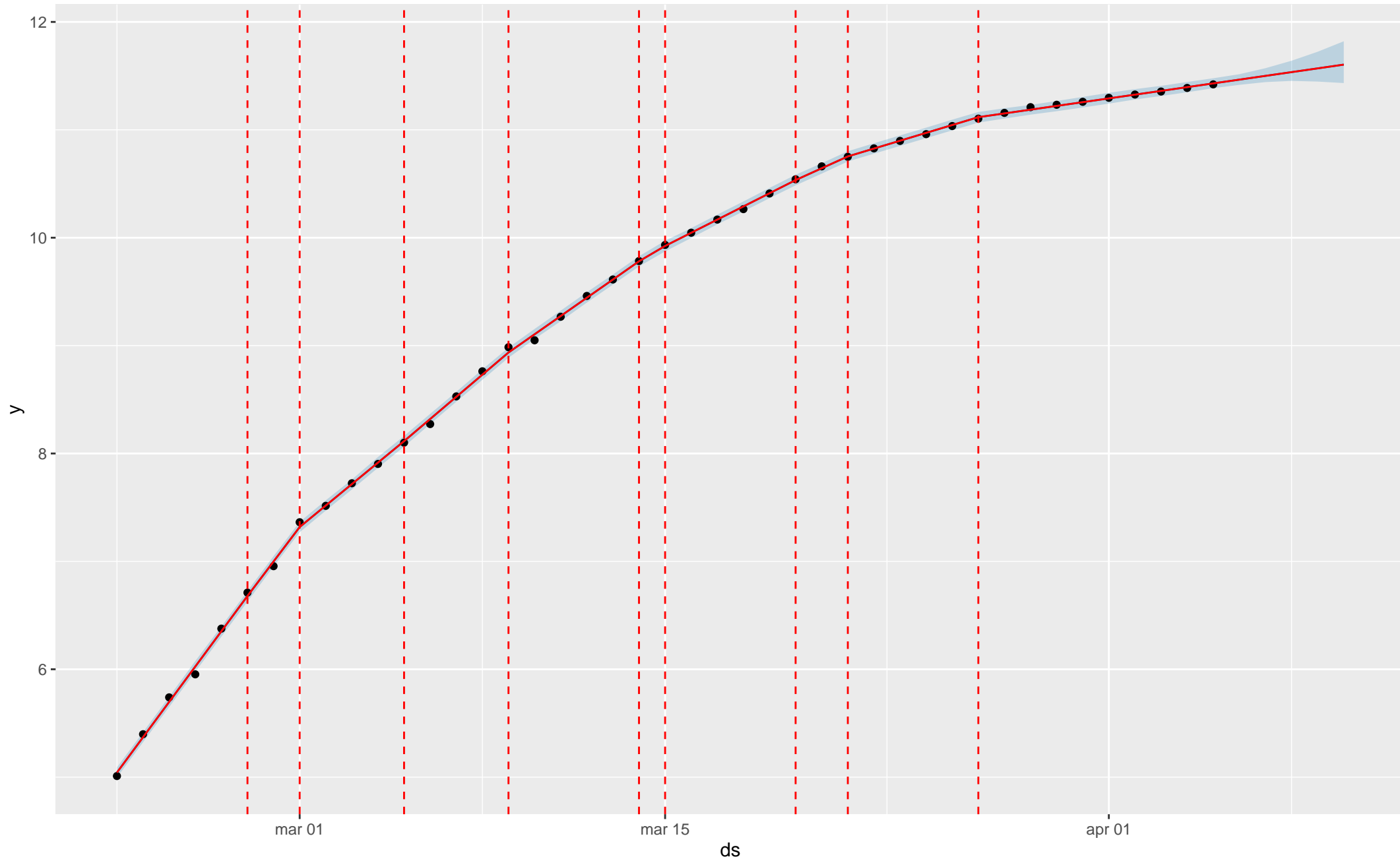


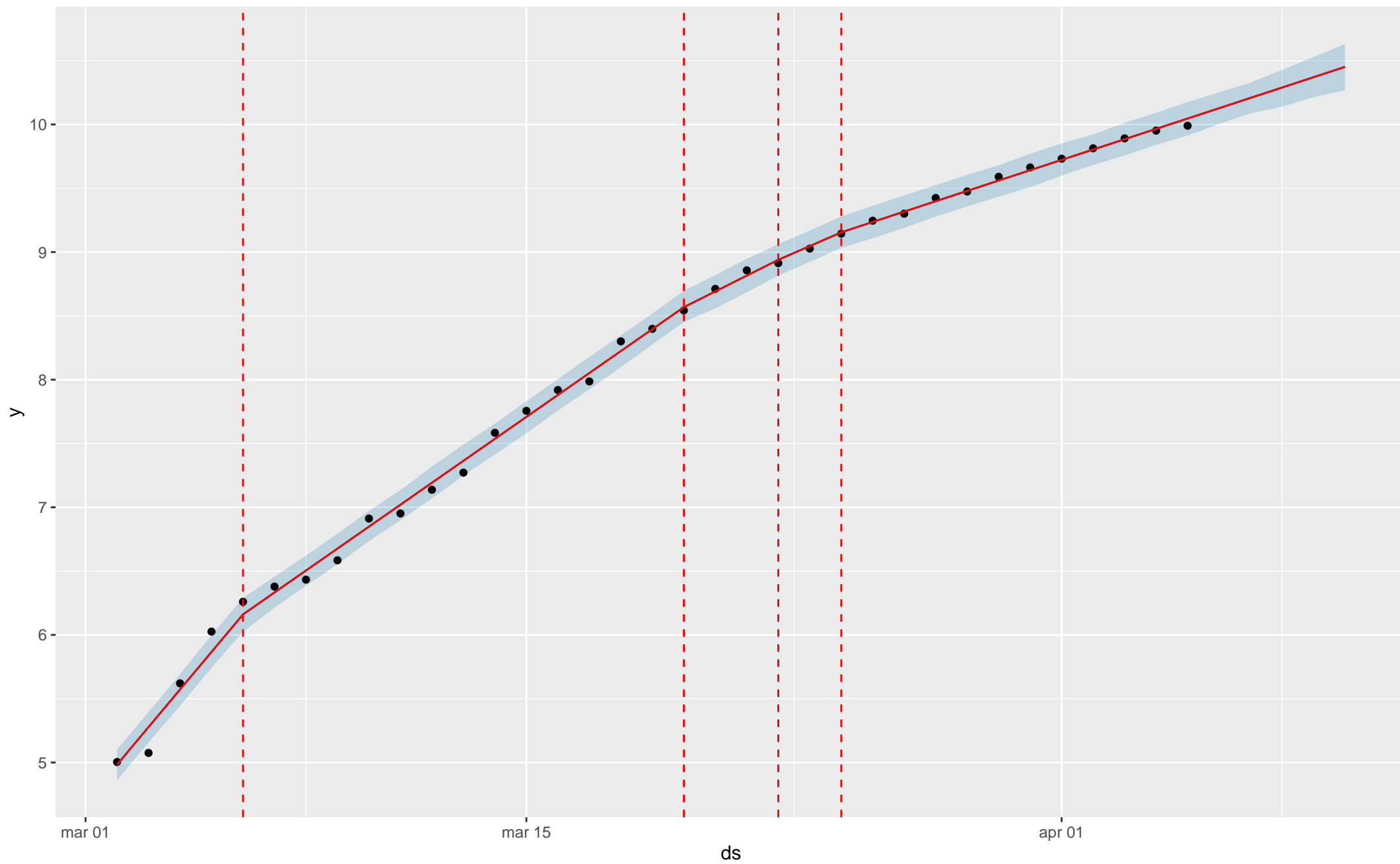
confirmed



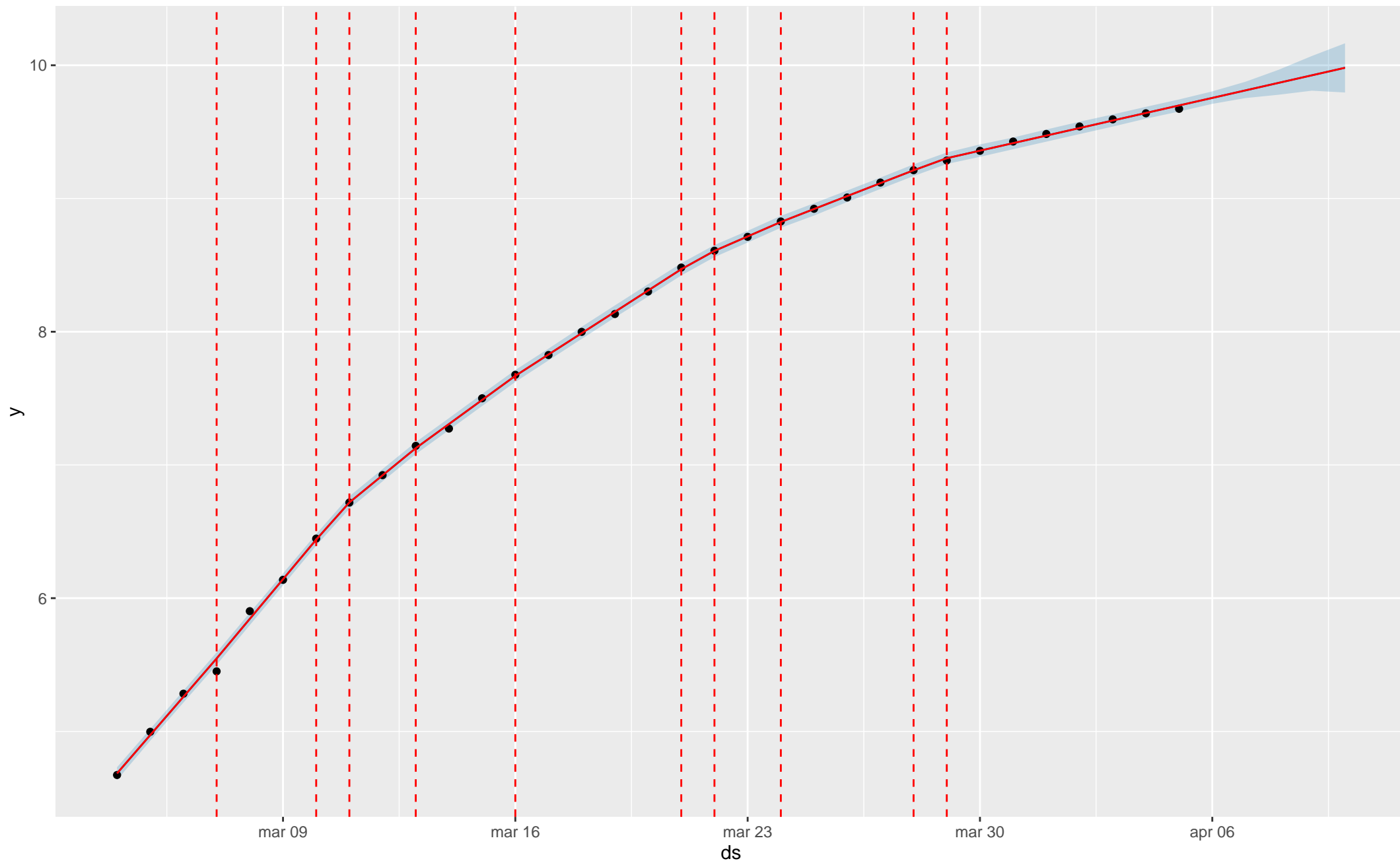
active



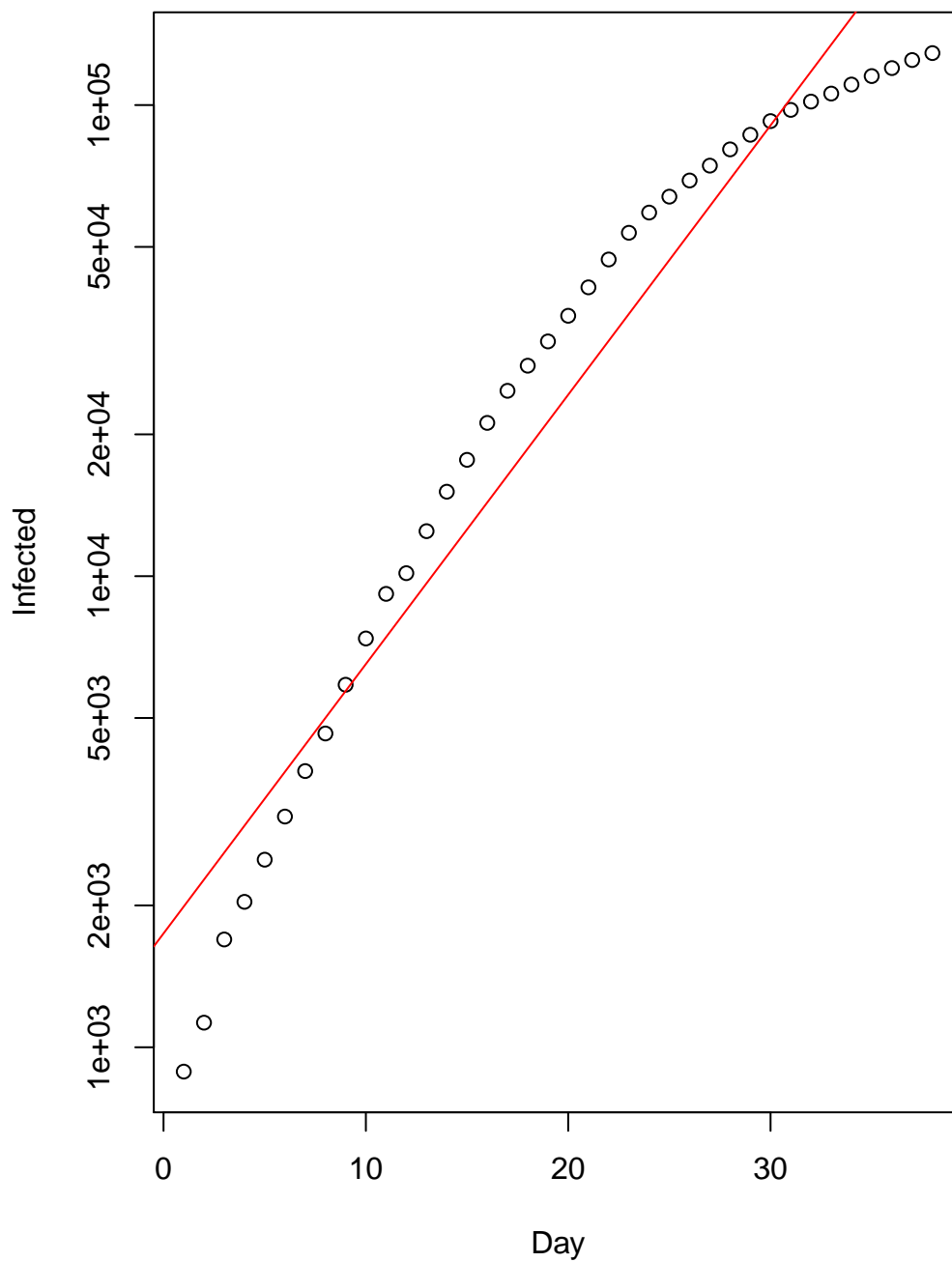
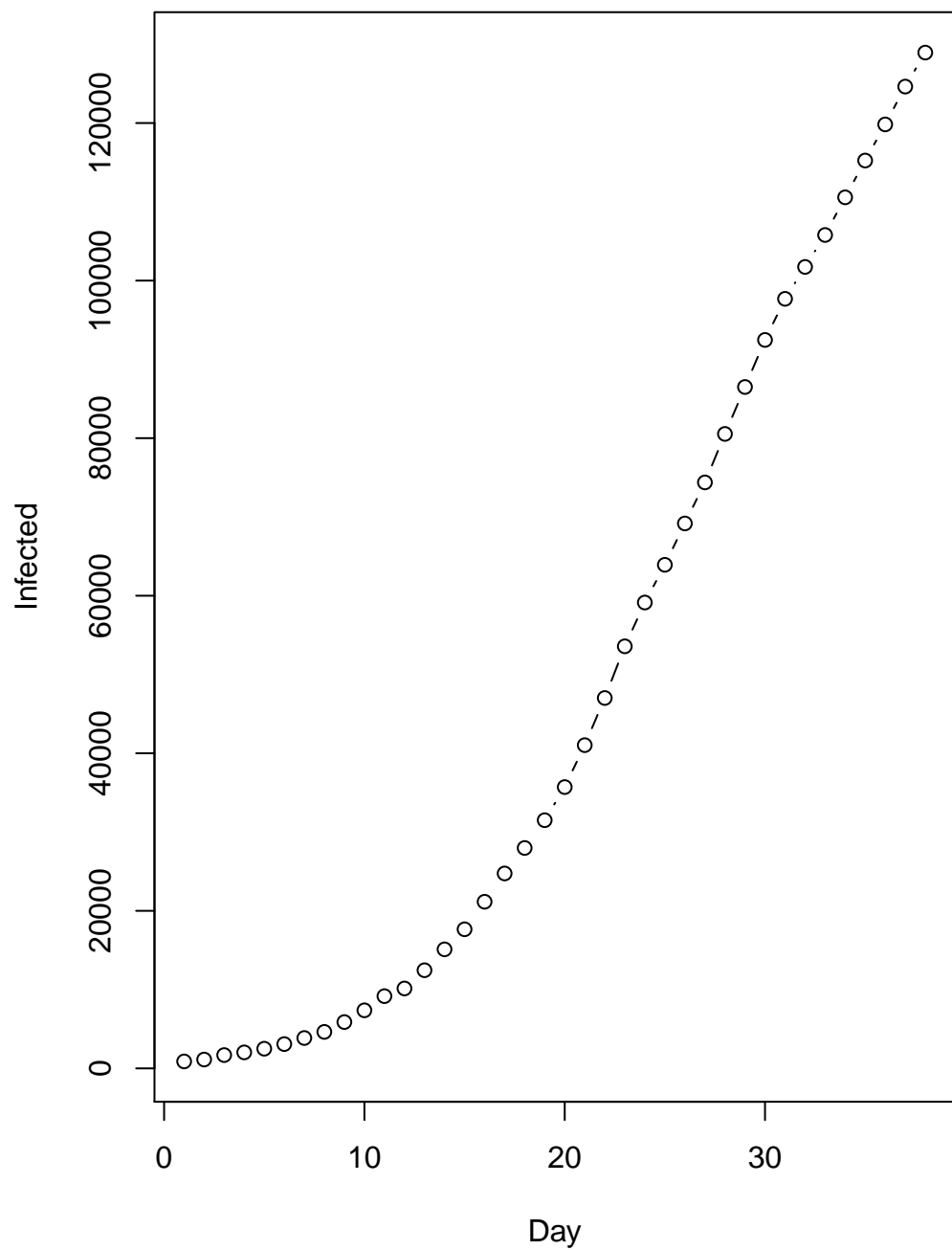
recovered



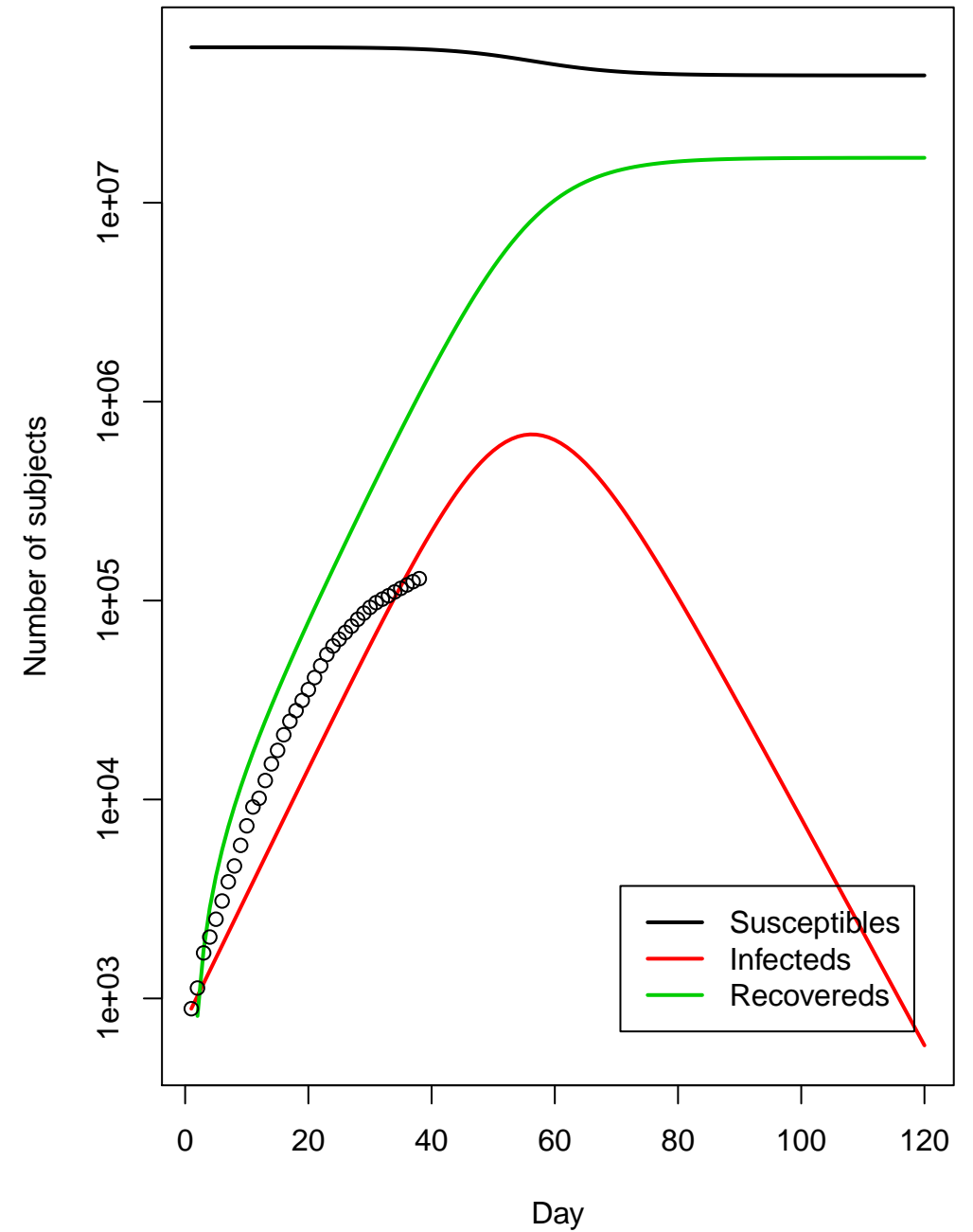
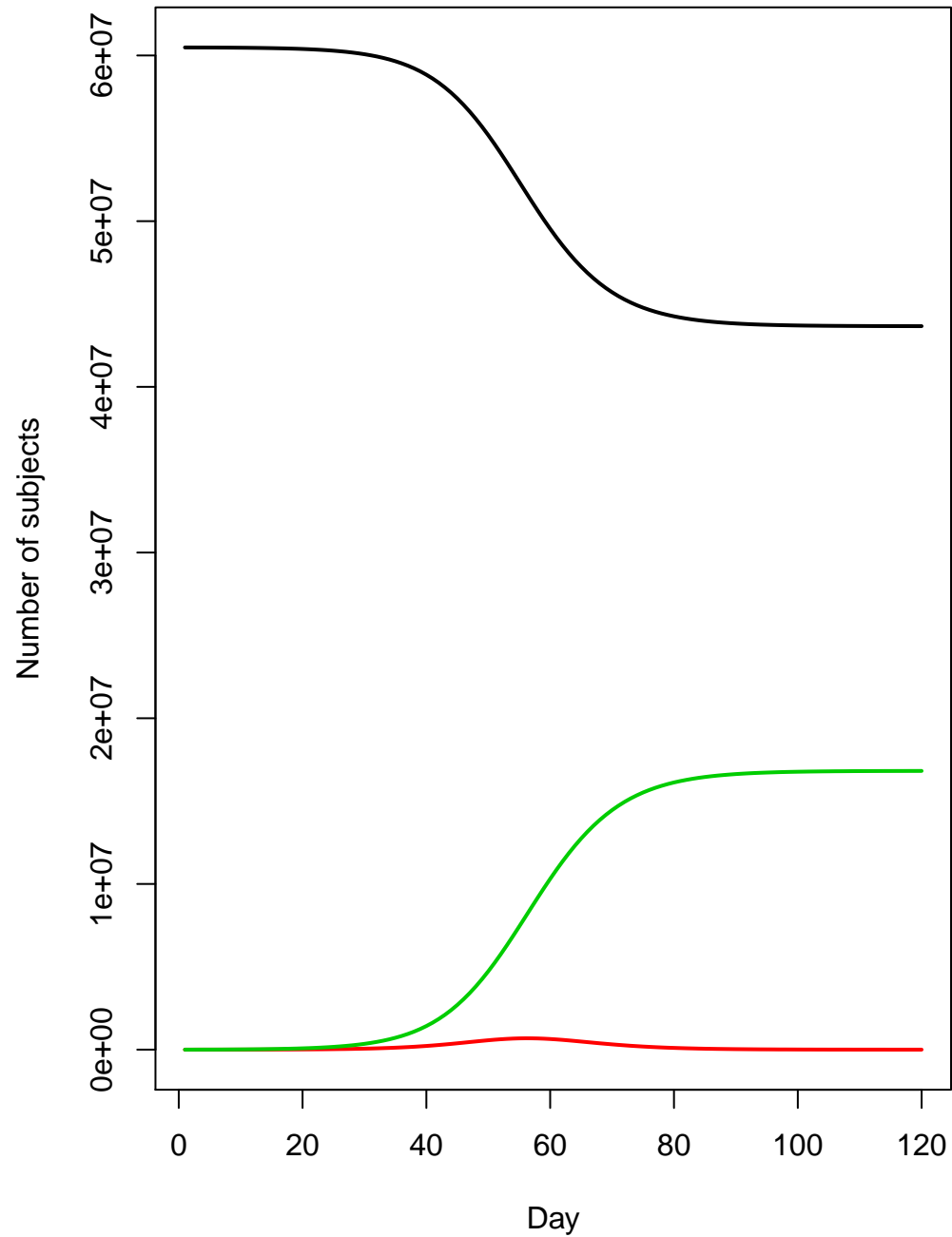
death



Total infections COVID-19 Italy

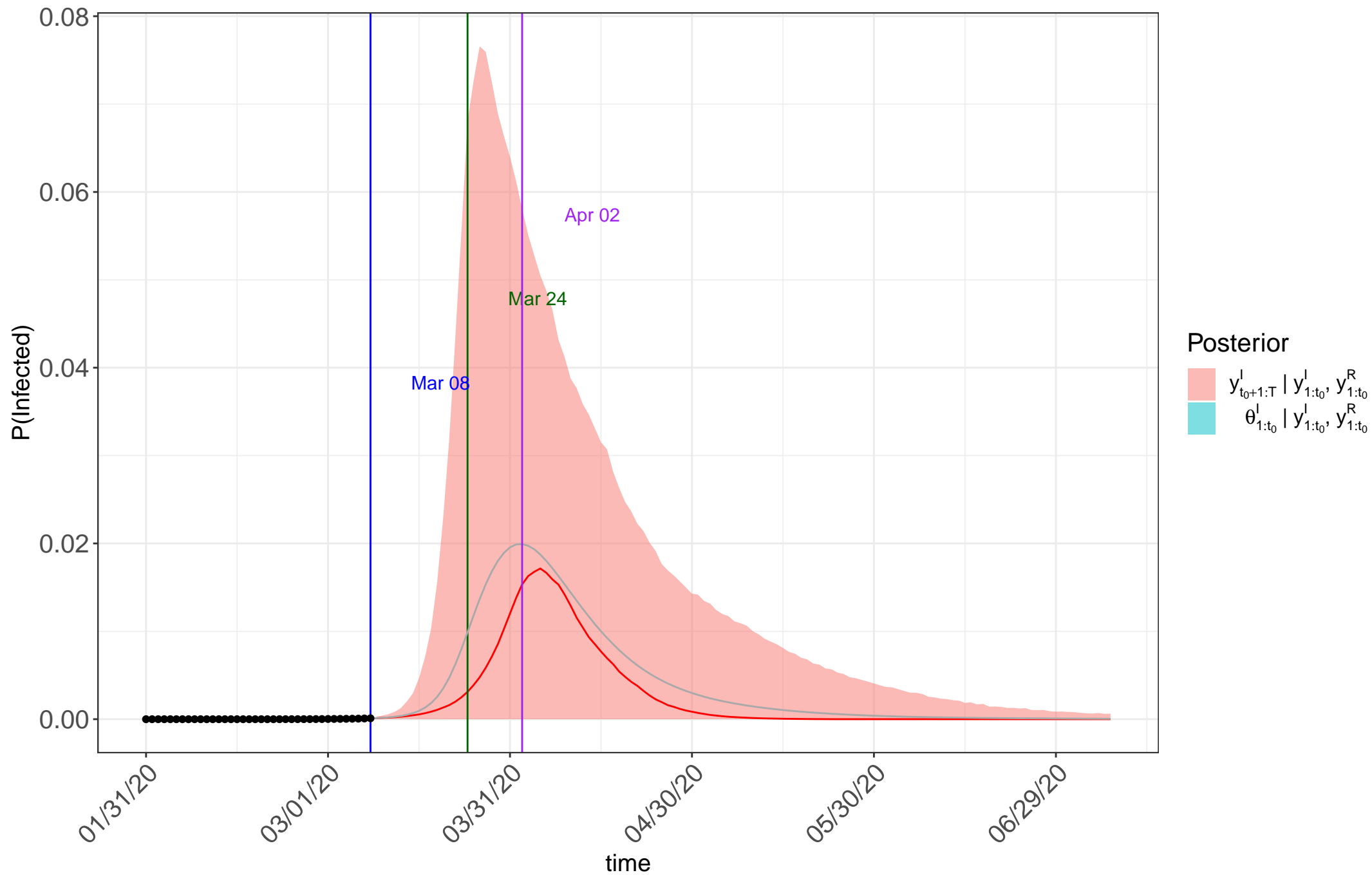


SIR model COVID-19 Italy



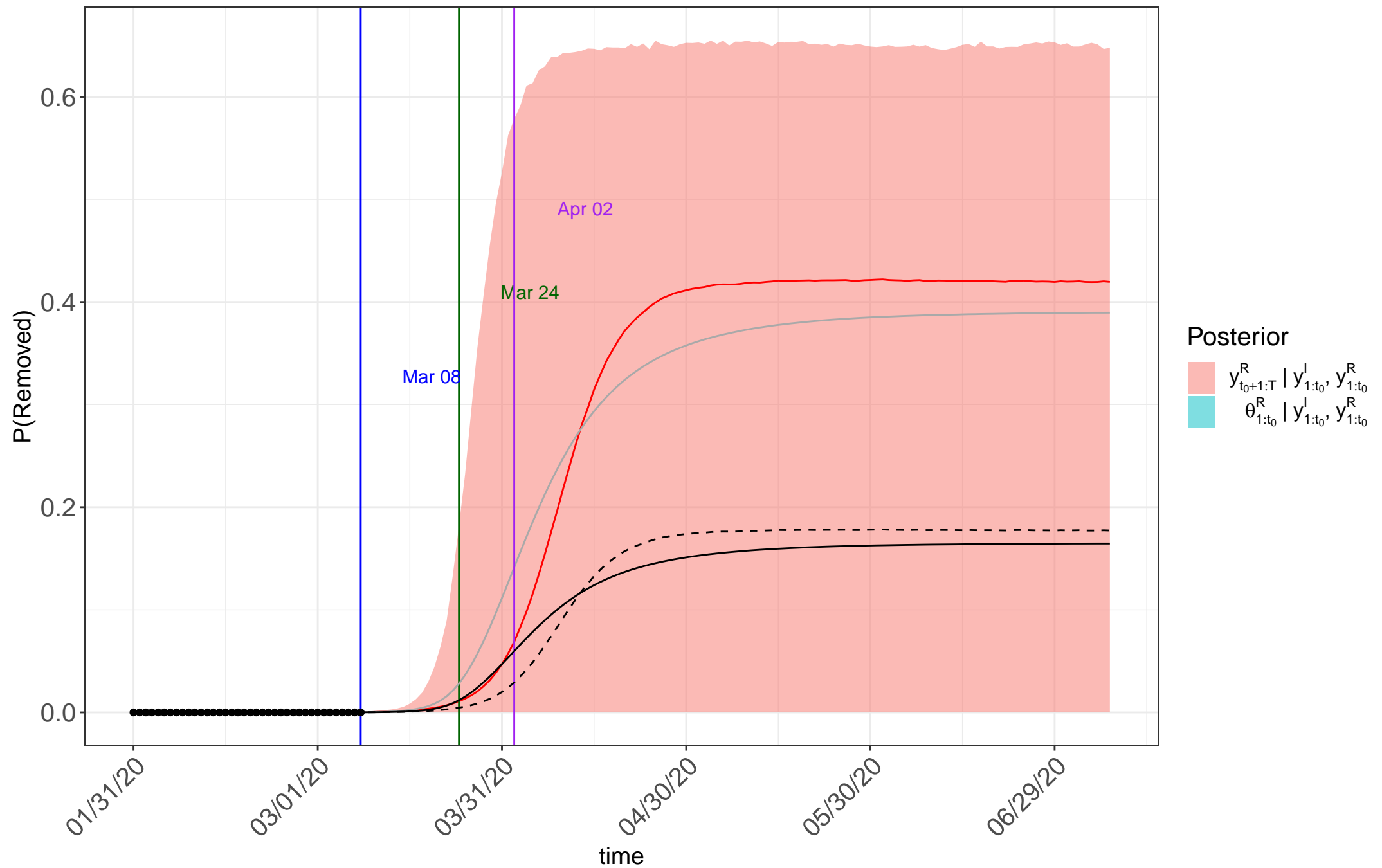
Italy_herd_immunity: infection forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

Posterior $\beta_p=1.1, \gamma_p=0.767$ and $R_0=1.44$



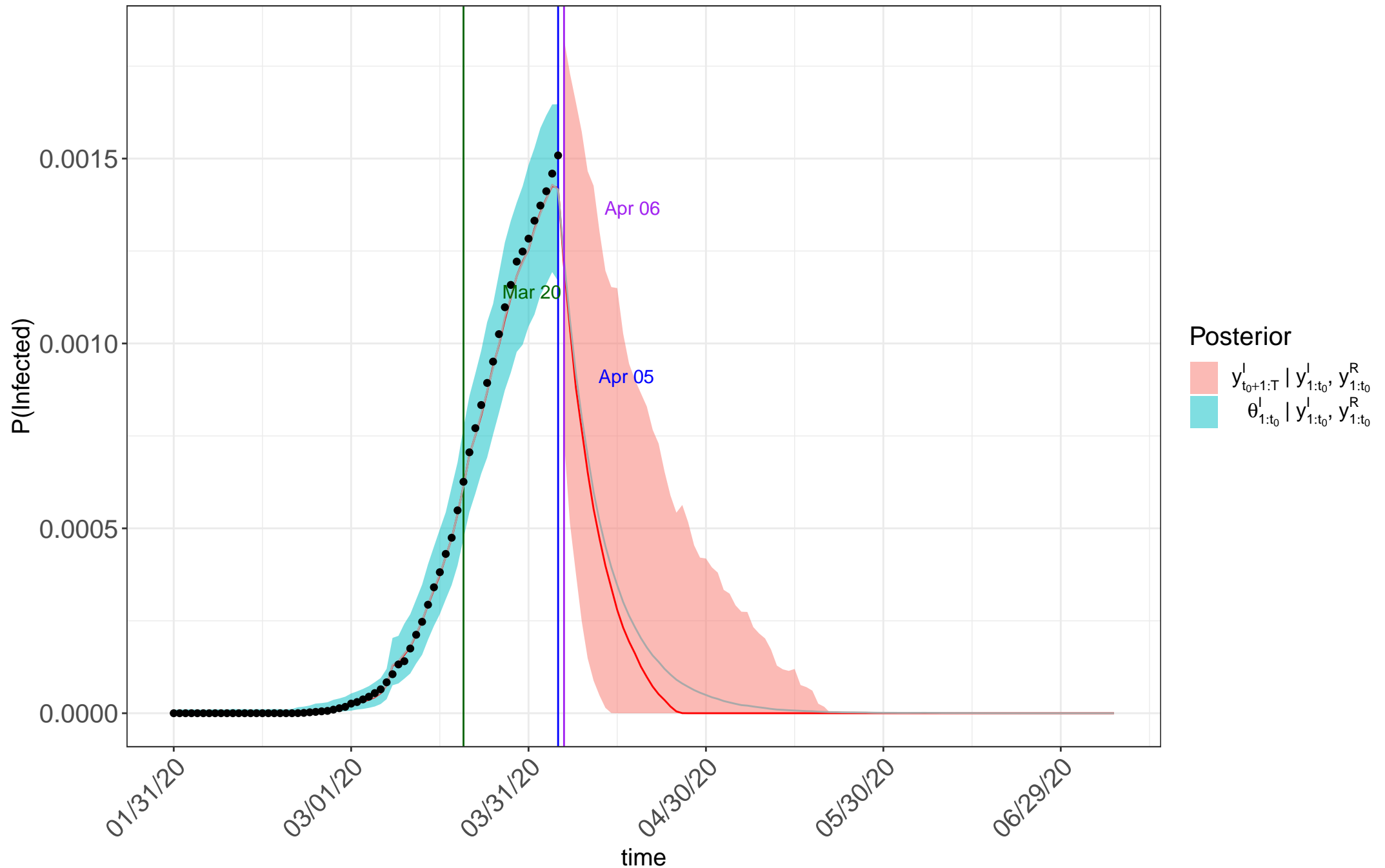
Italy_herd_immunity: removed forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

posterior: $\beta_p=1.1, \gamma_p=0.767$ and $R_0=1.44$



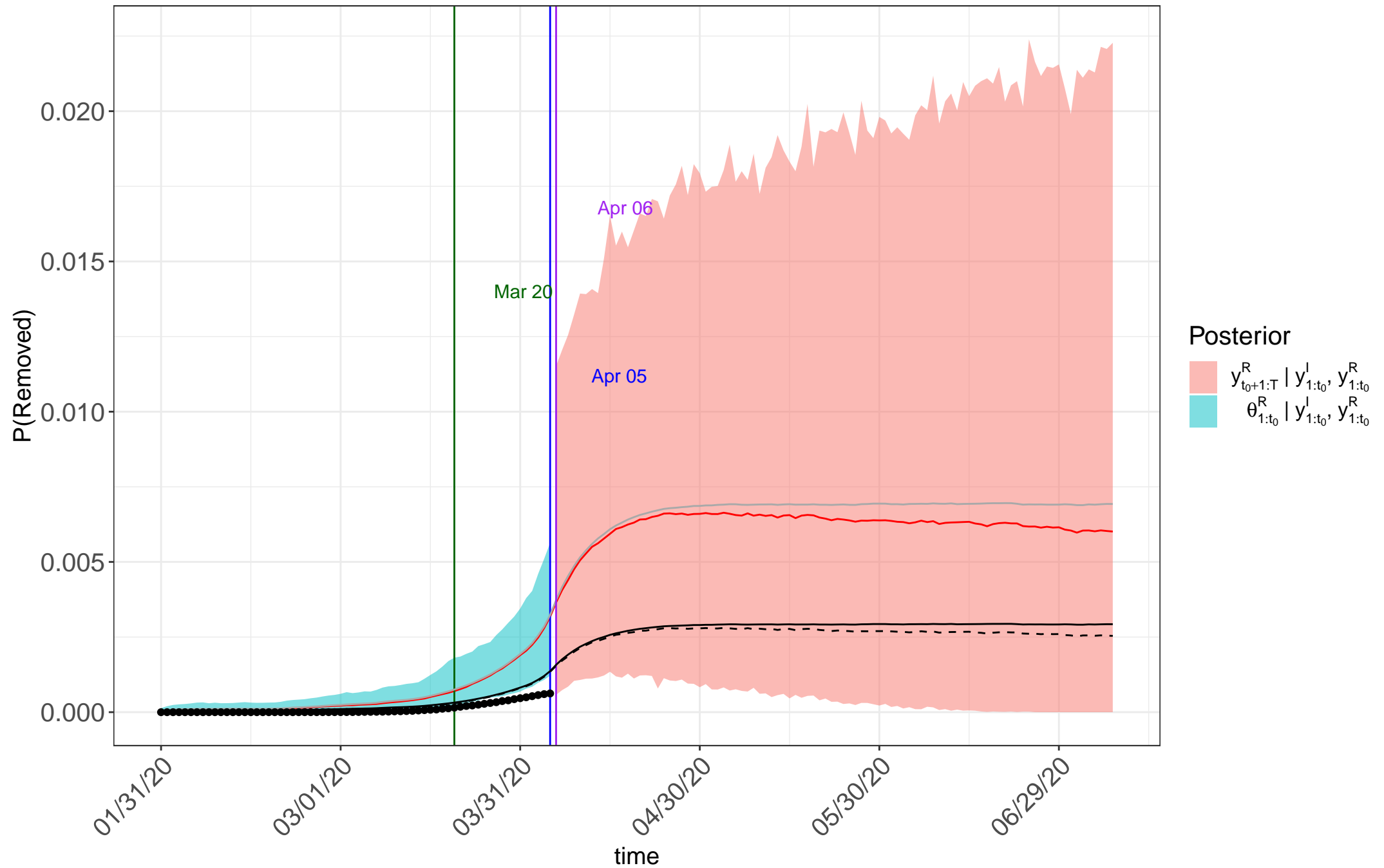
Italy_lockdown: infection forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

Posterior $\beta_p=1.57, \gamma_p=0.382$ and $R_0=4.12$



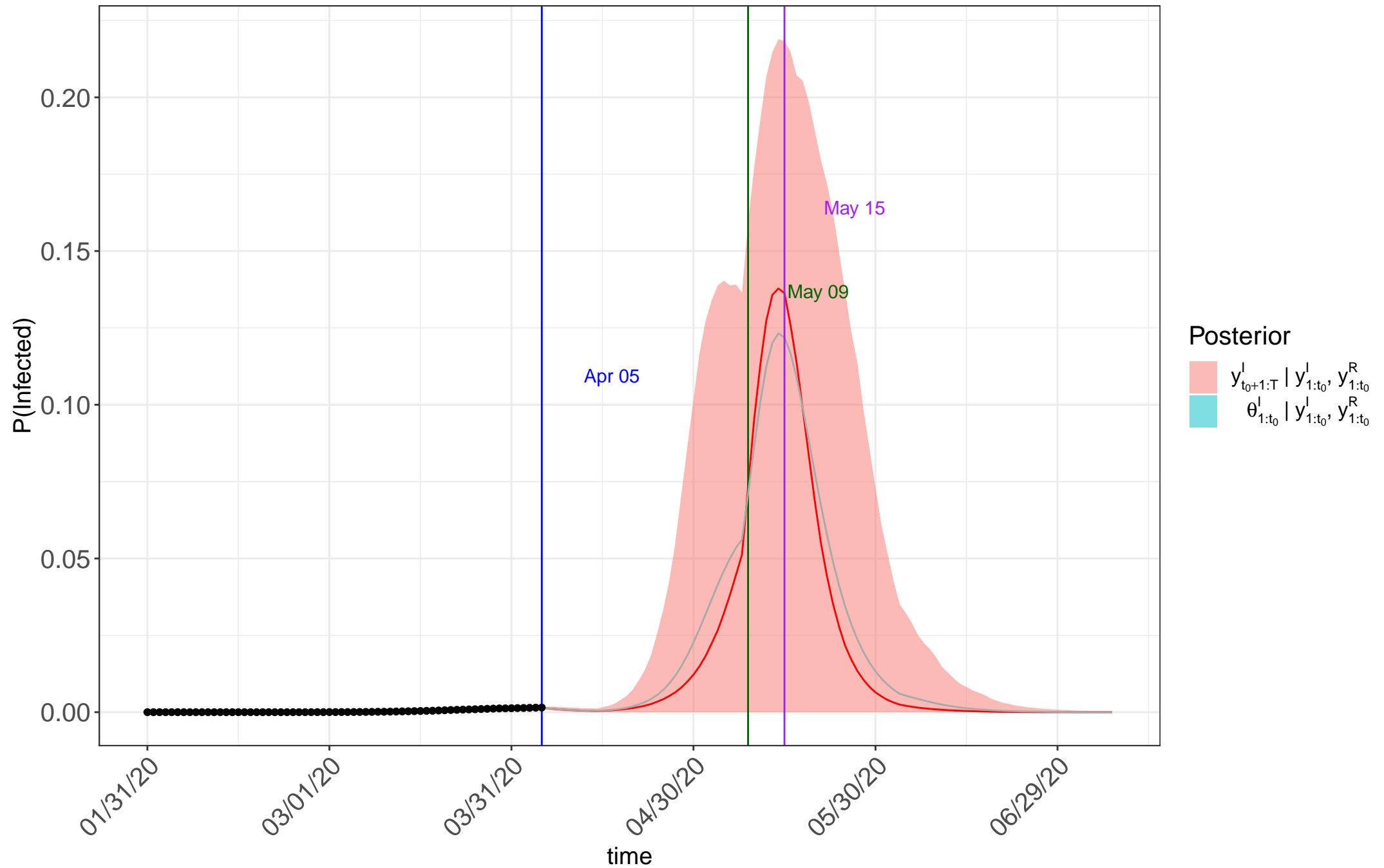
Italy_lockdown: removed forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

posterior: $\beta_p=1.57, \gamma_p=0.382$ and $R_0=4.12$



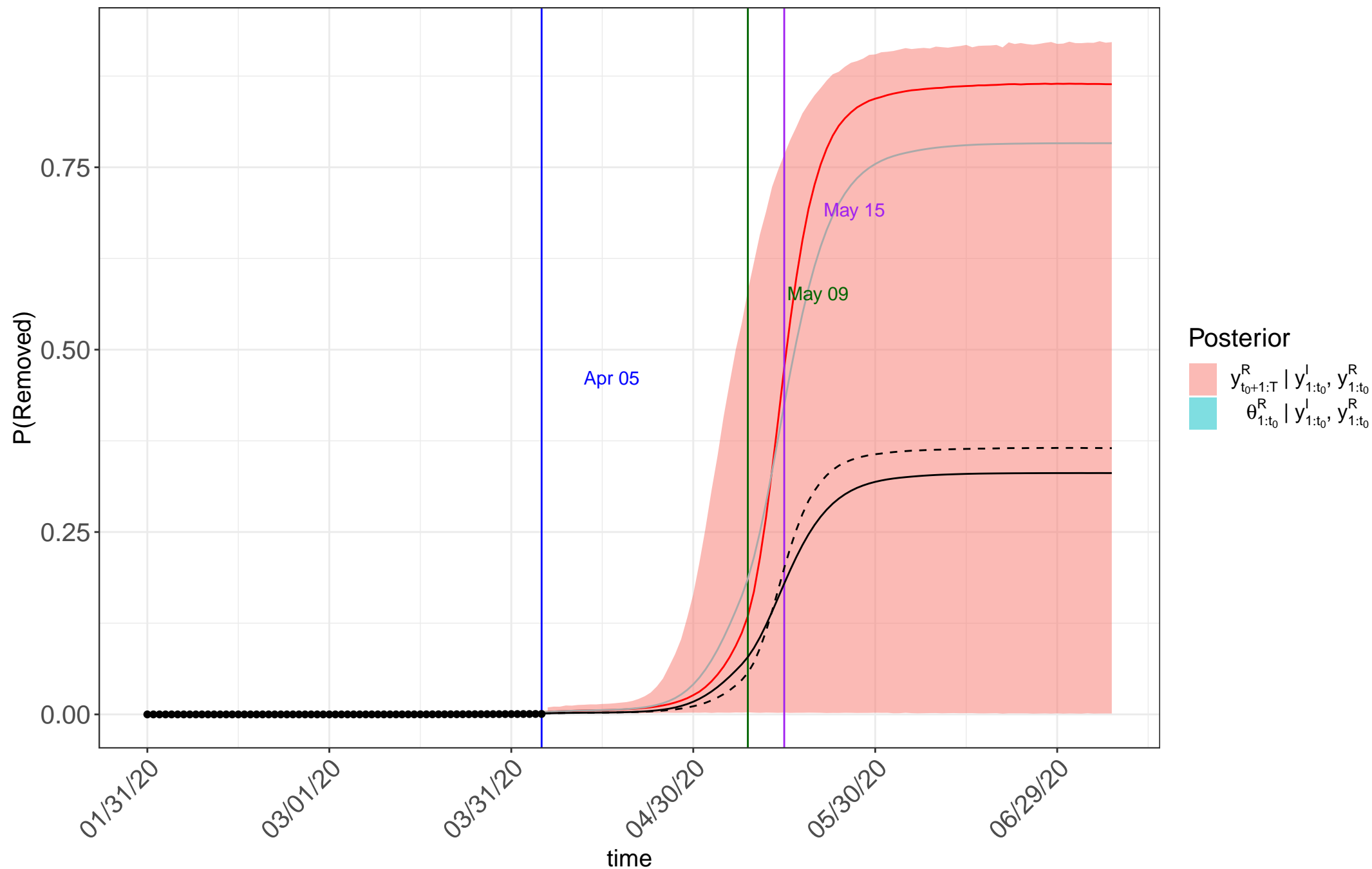
Italyafter_easter_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

Posterior $\beta_p=1.56, \gamma_p=0.378$ and $R_0=4.13$



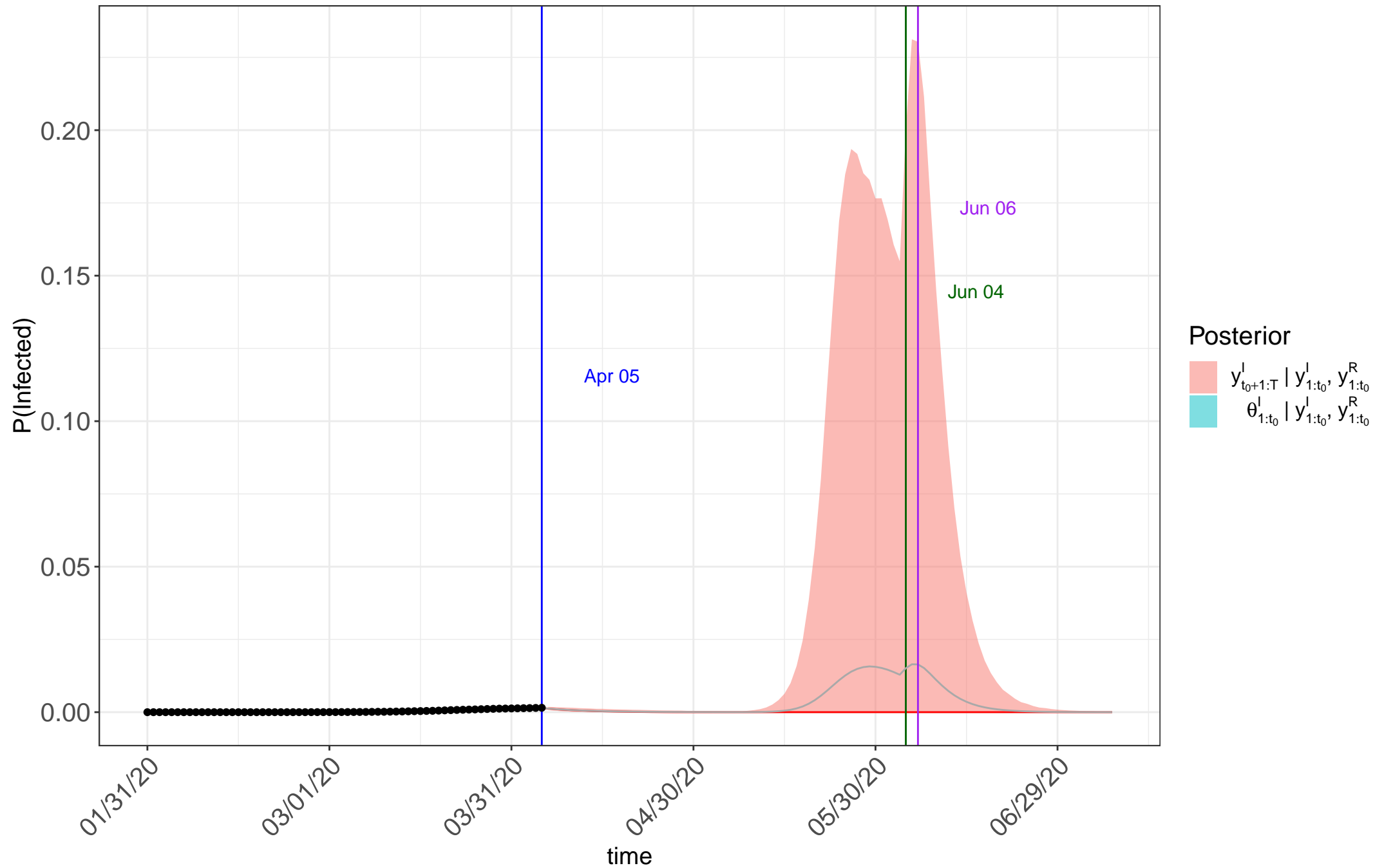
Italyafter_easter_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

posterior: $\beta_p=1.56, \gamma_p=0.378$ and $R_0=4.13$



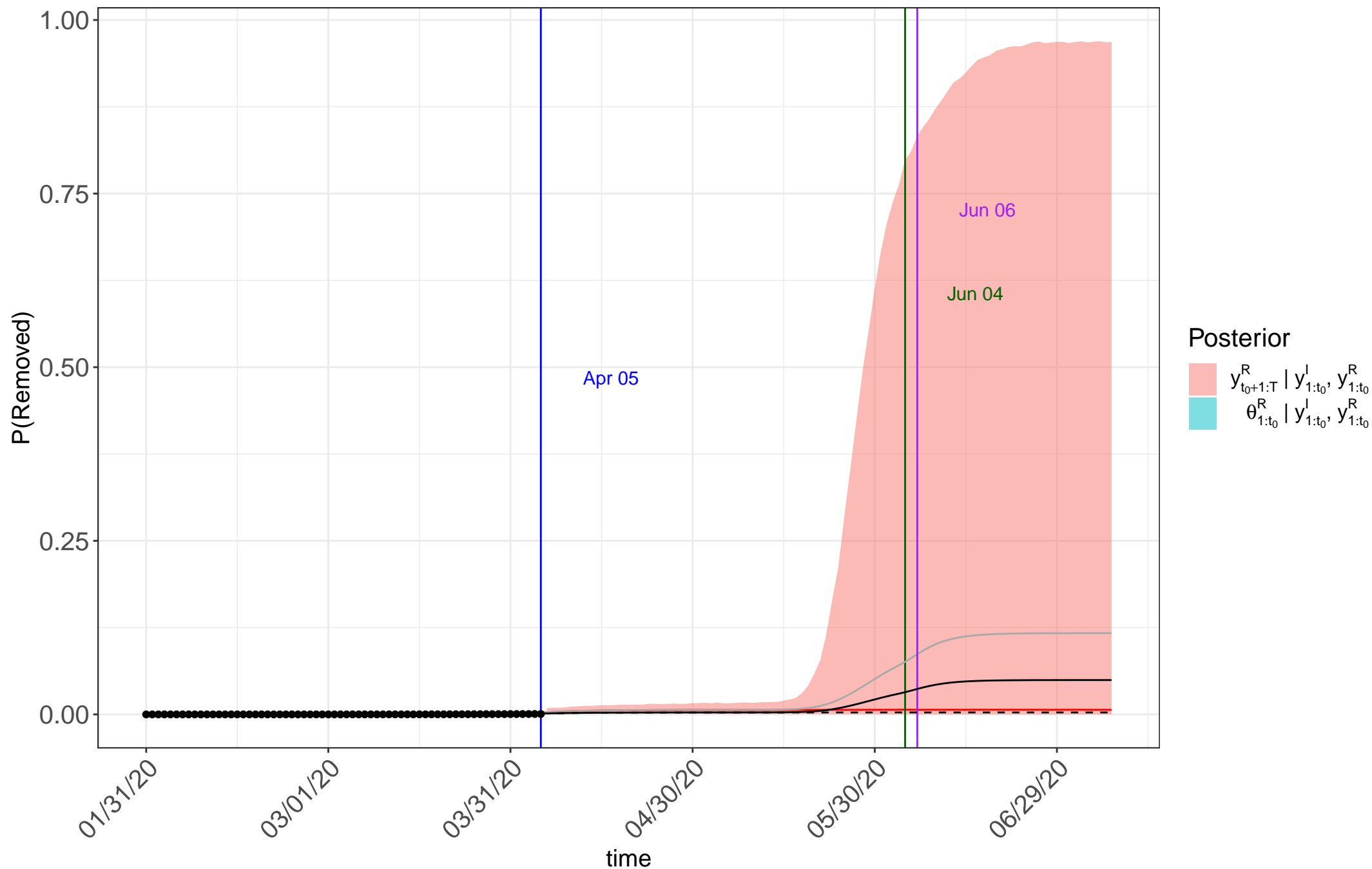
Italystep_after_1_may_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

Posterior $\beta_p=1.54, \gamma_p=0.371$ and $R_0=4.18$



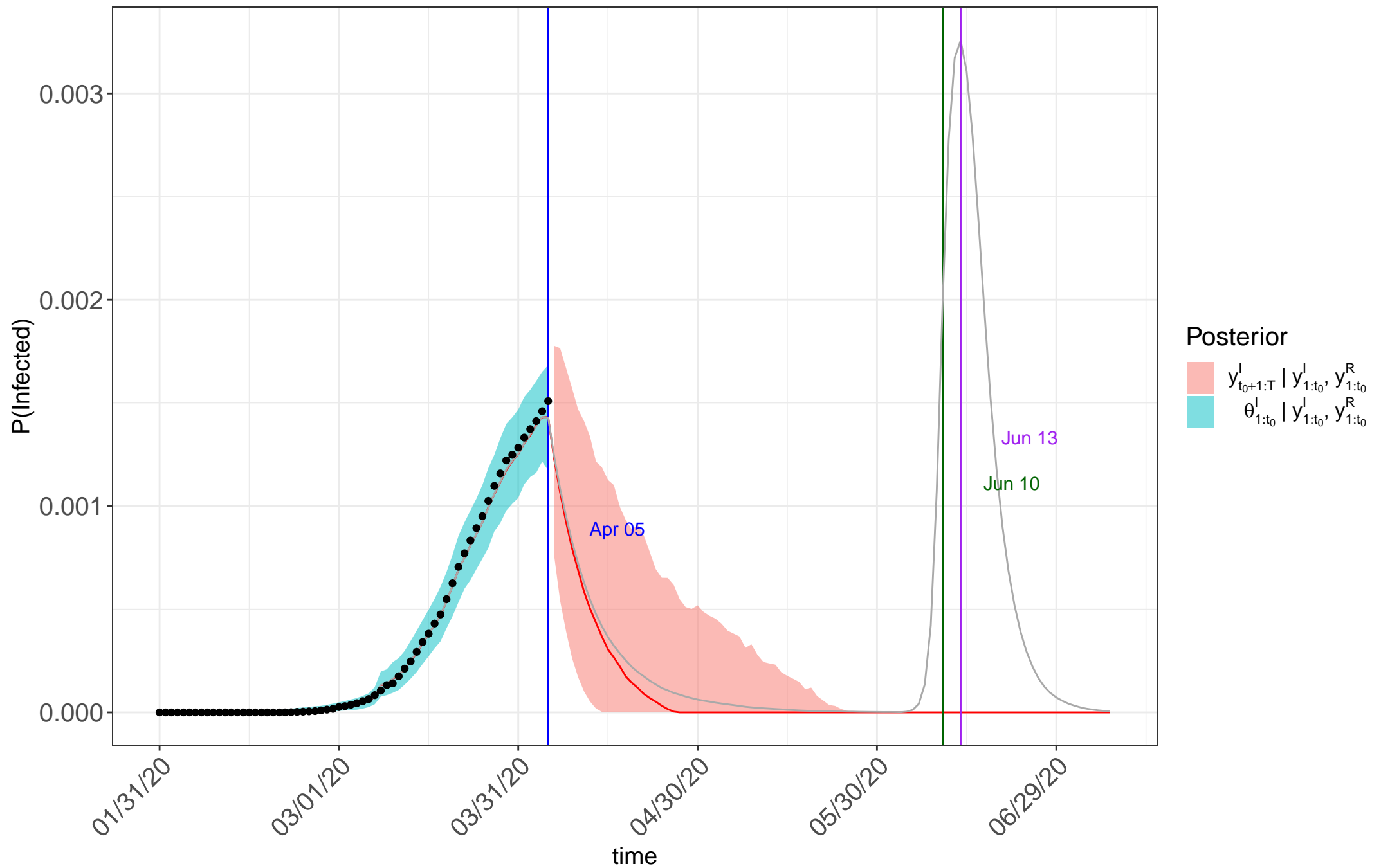
Italystep_after_1_may_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

posterior: $\beta_p=1.54, \gamma_p=0.371$ and $R_0=4.18$



Italyafter_2_june_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

Posterior $\beta_p=1.53, \gamma_p=0.366$ and $R_0=4.19$



Italyafter_2_june_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.853$ and $R_0=1.17$

posterior: $\beta_p=1.53, \gamma_p=0.366$ and $R_0=4.19$

