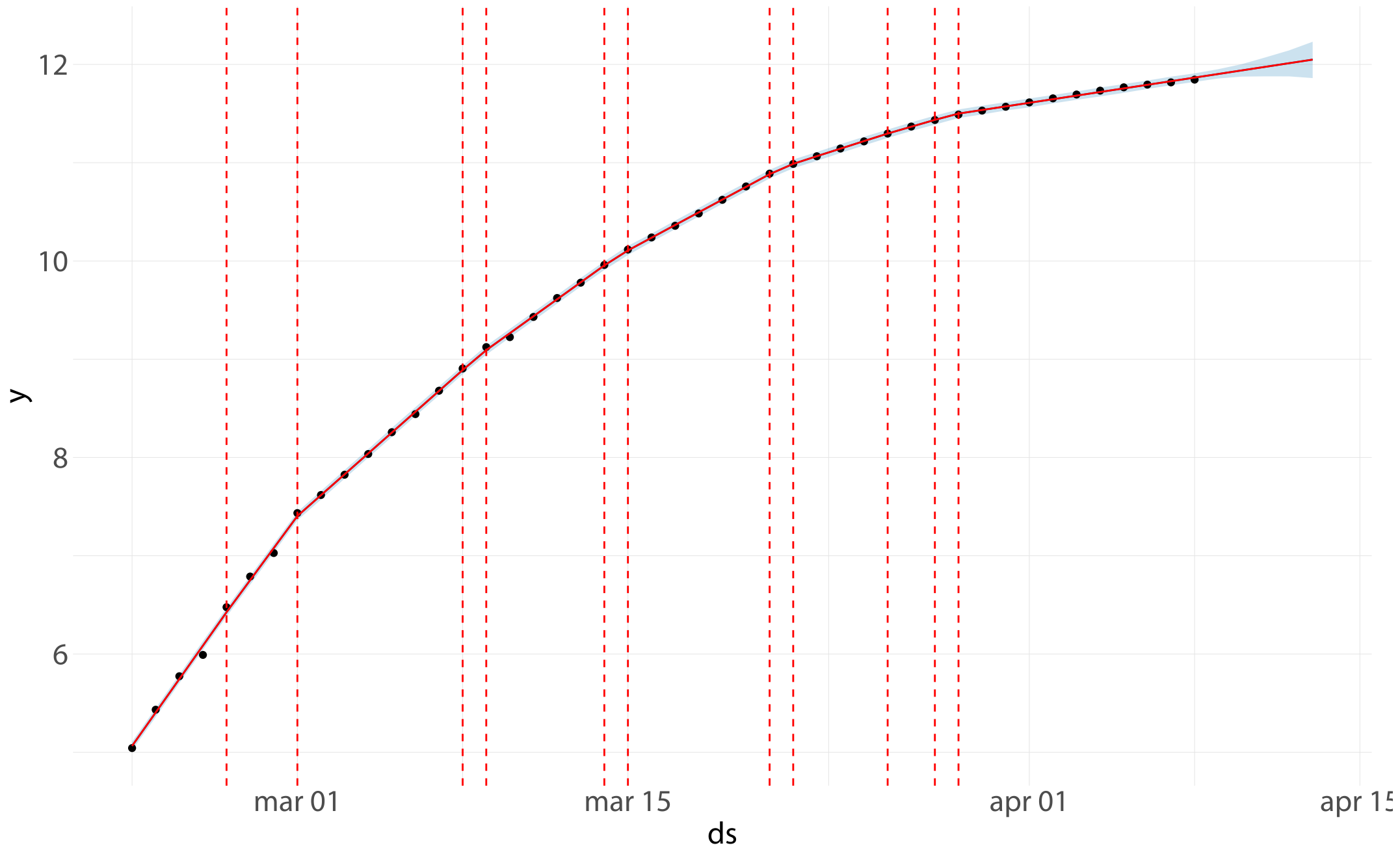
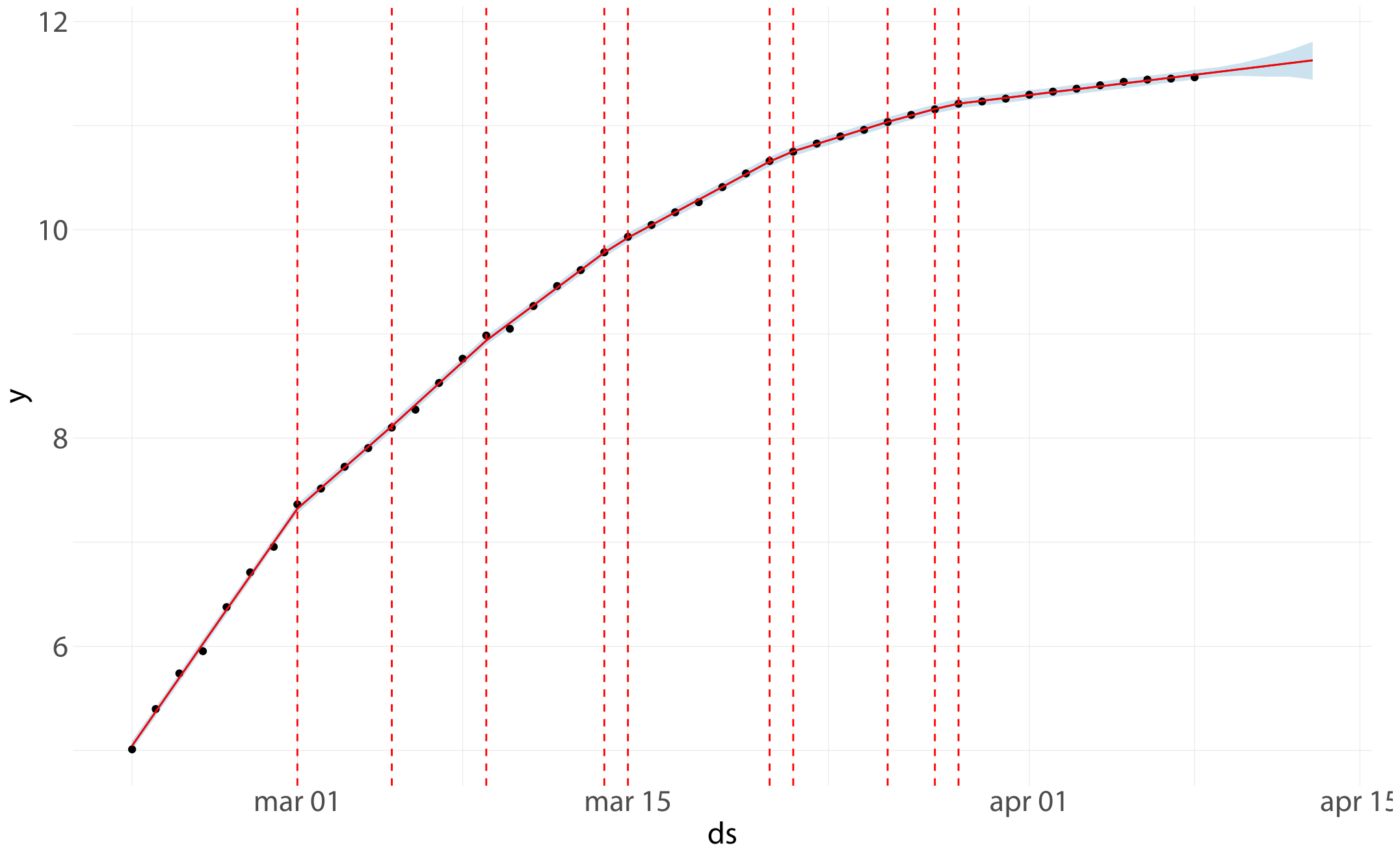


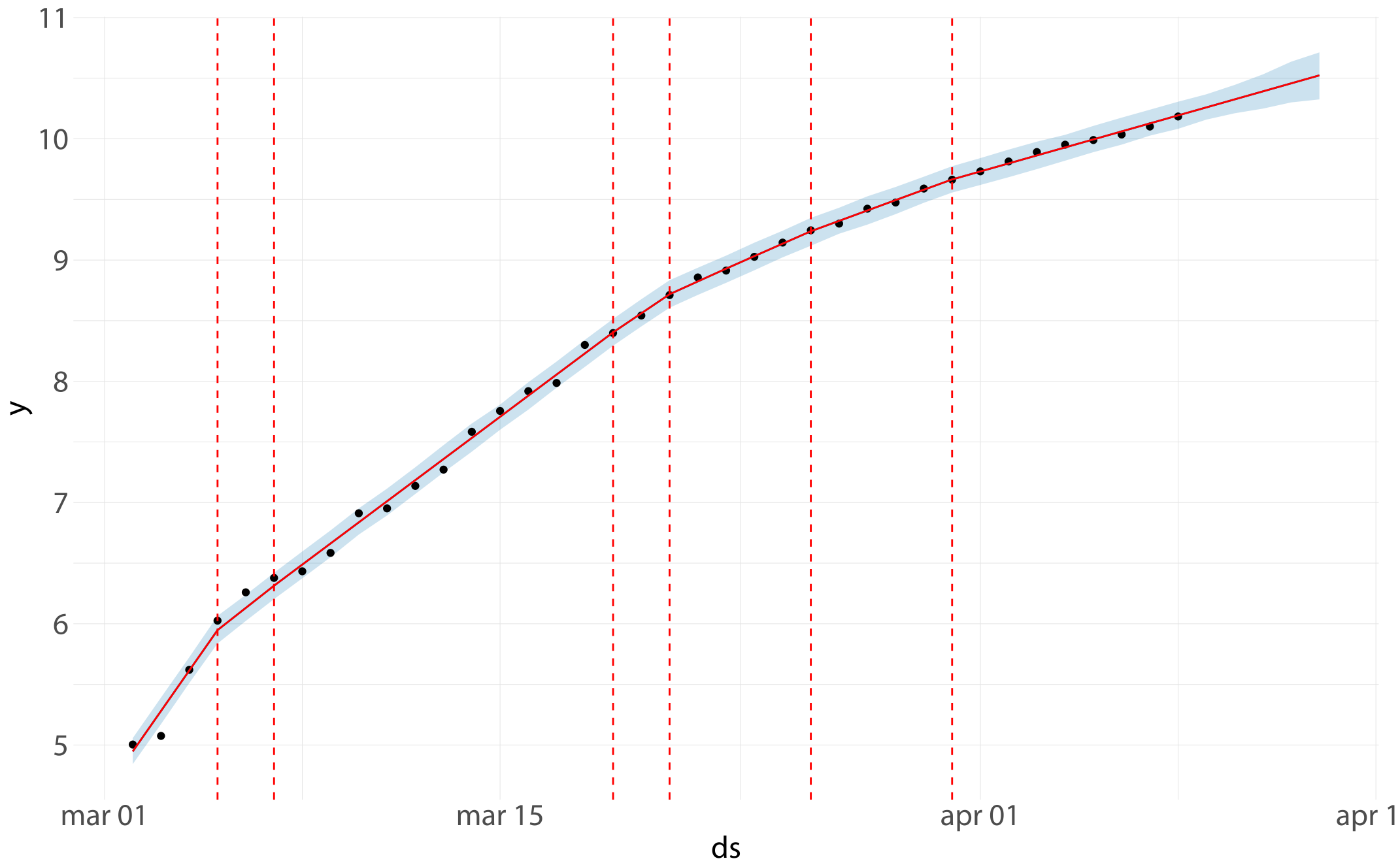
confirmed



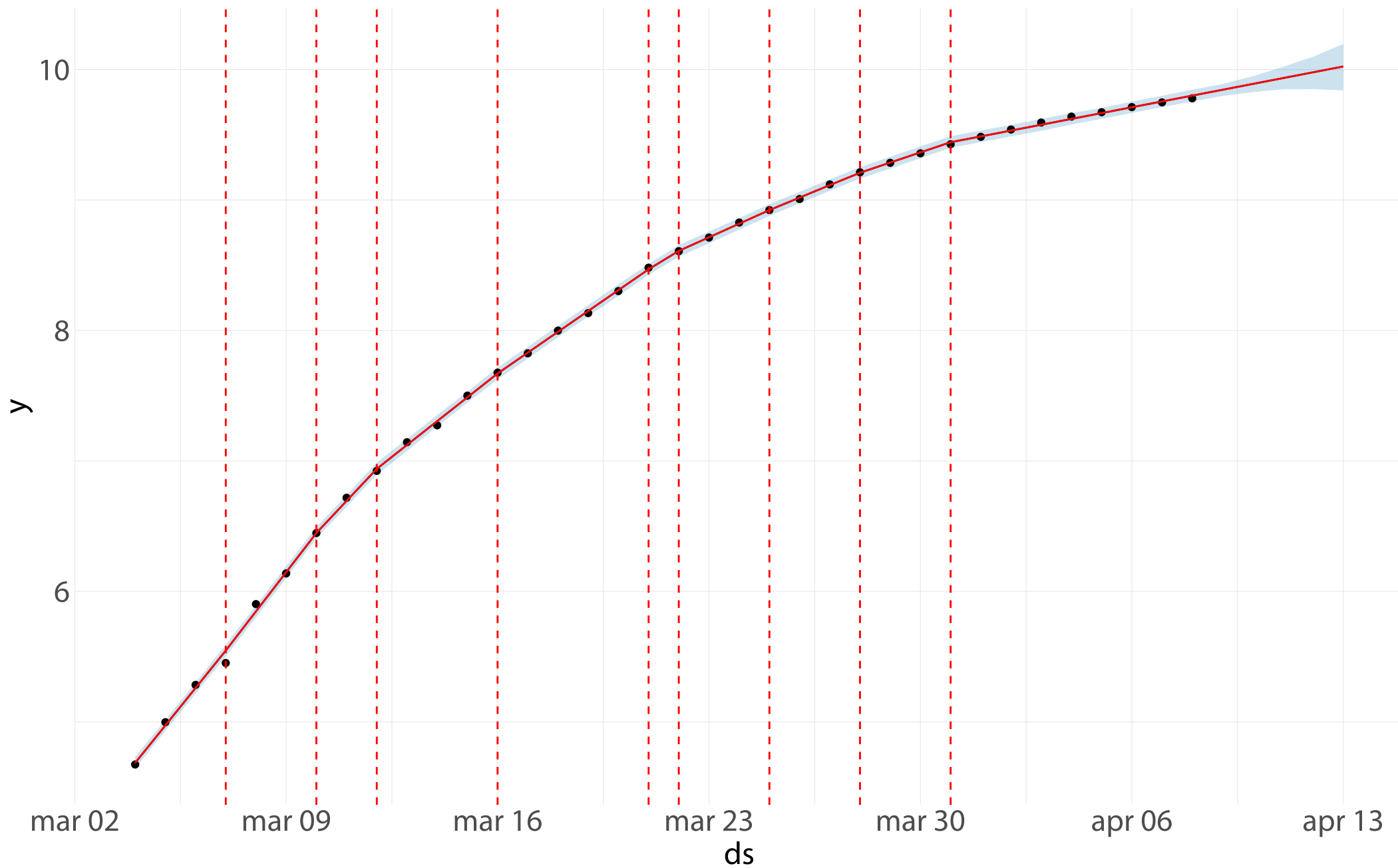
active



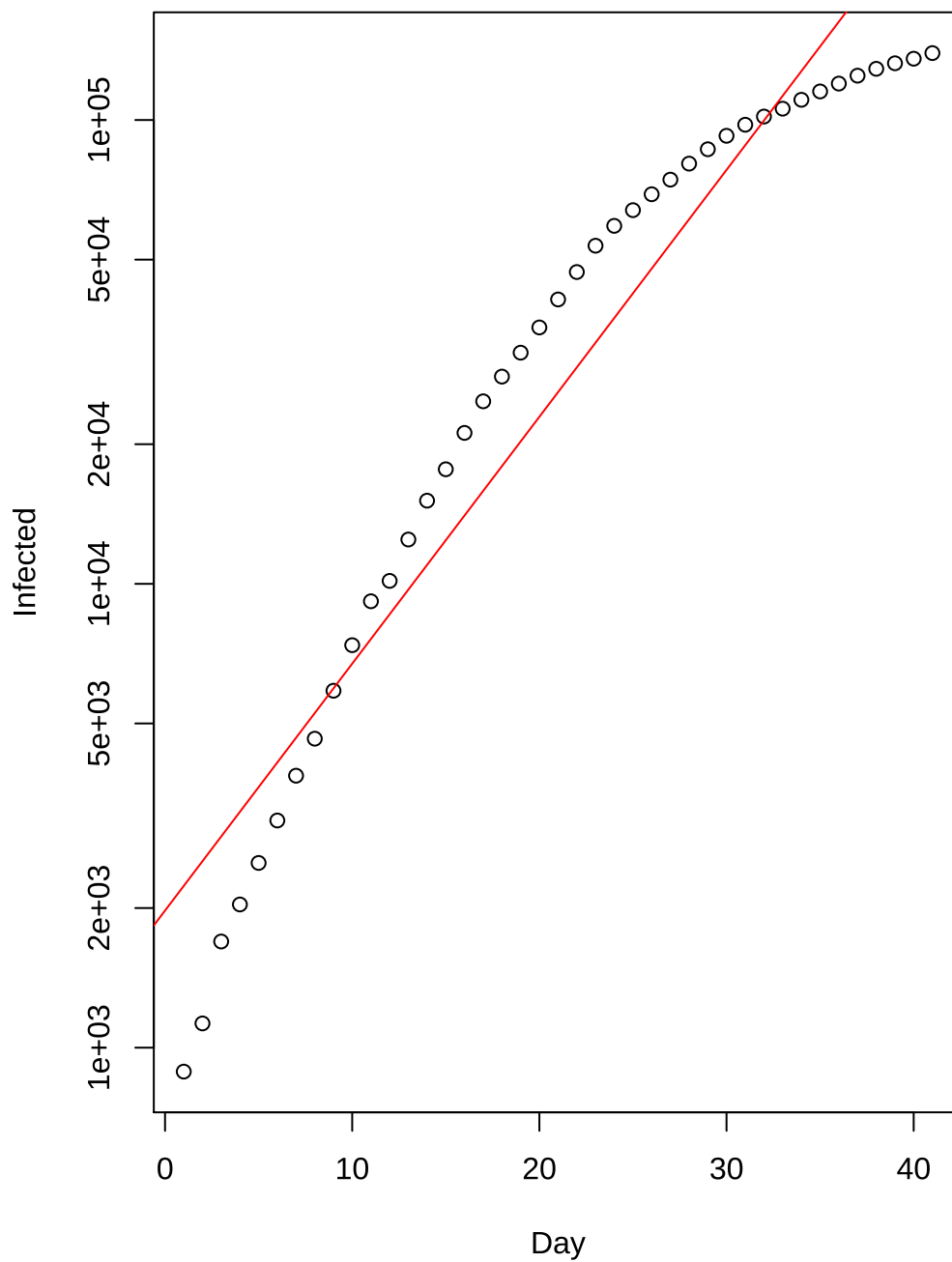
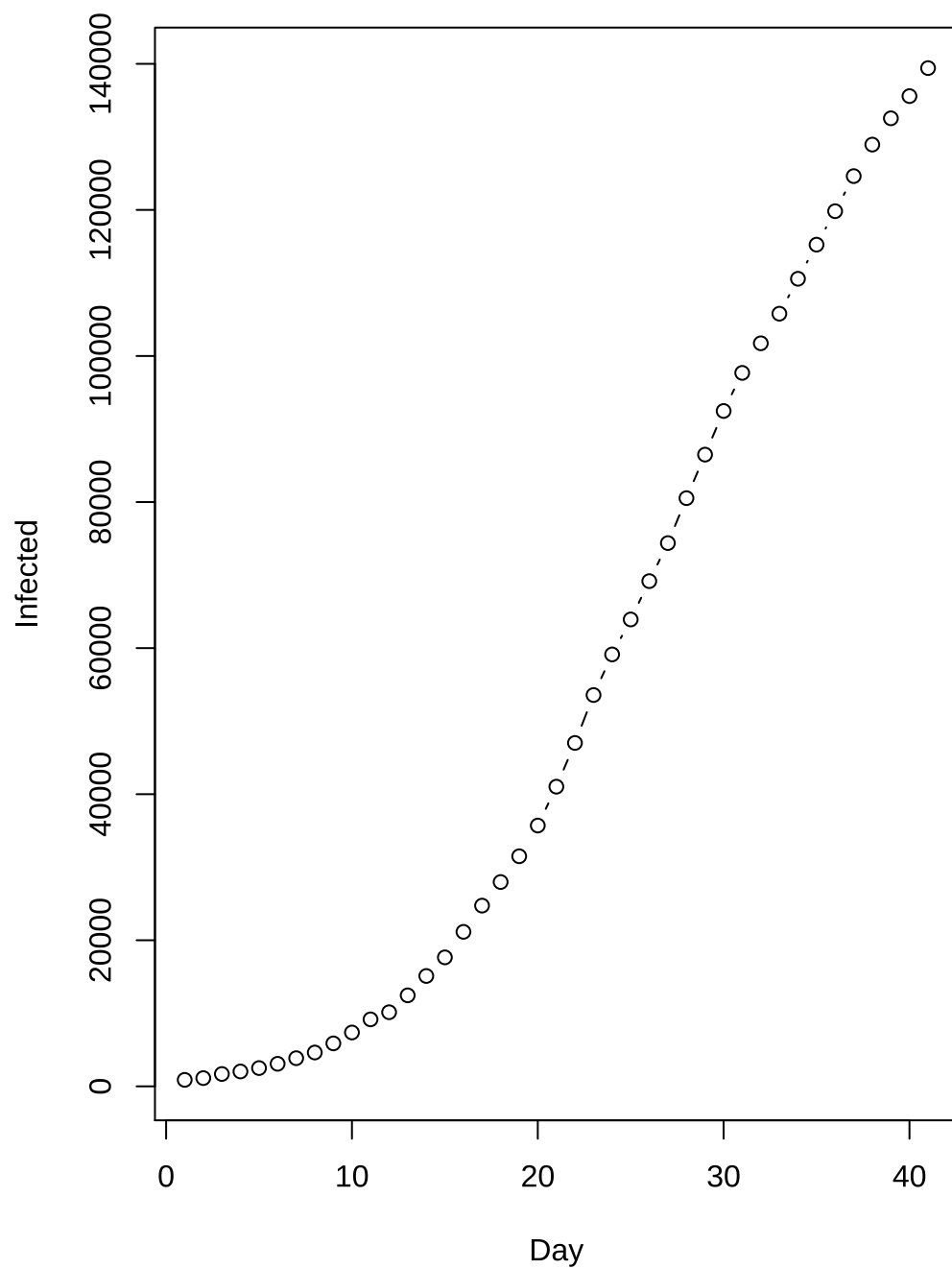
recovered



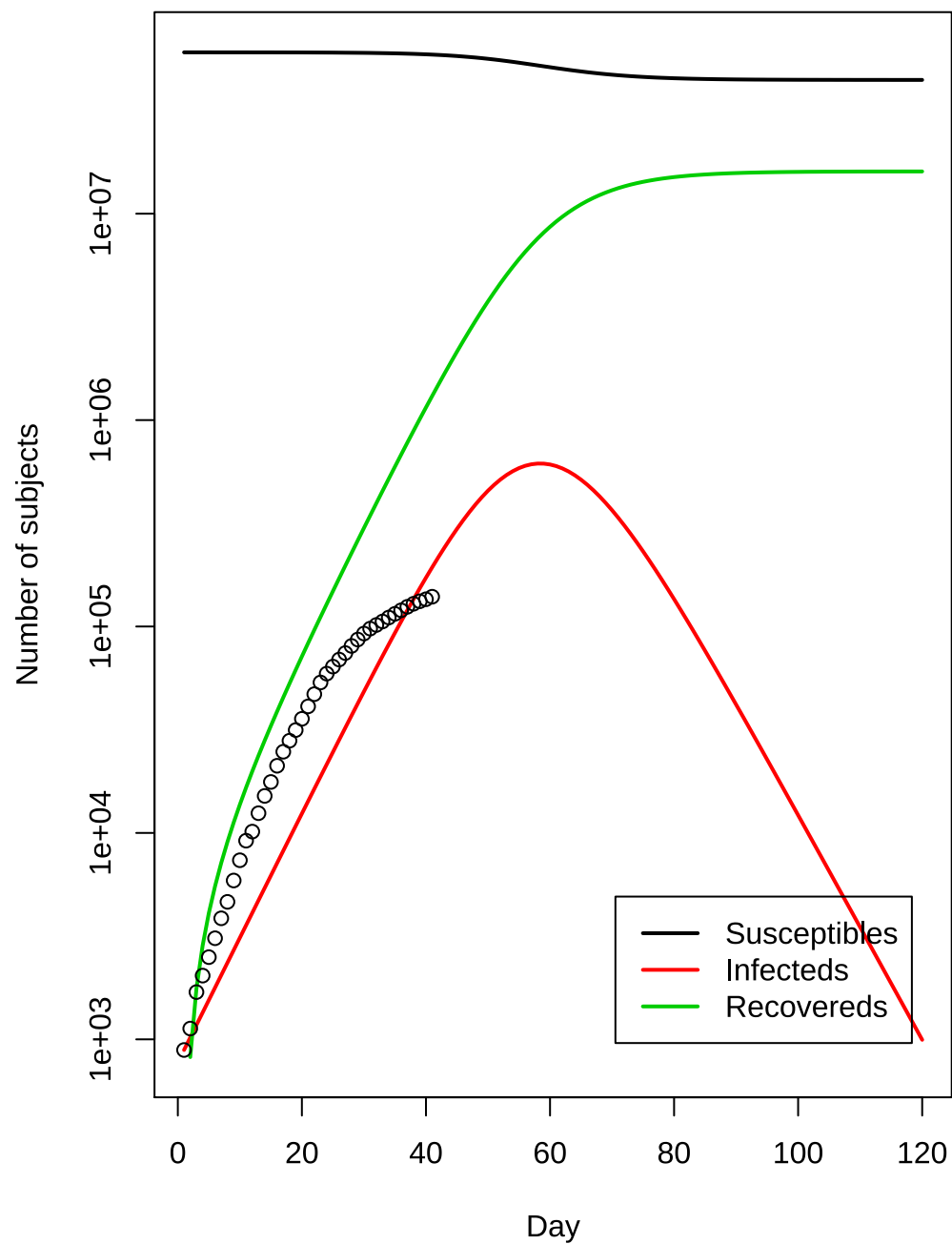
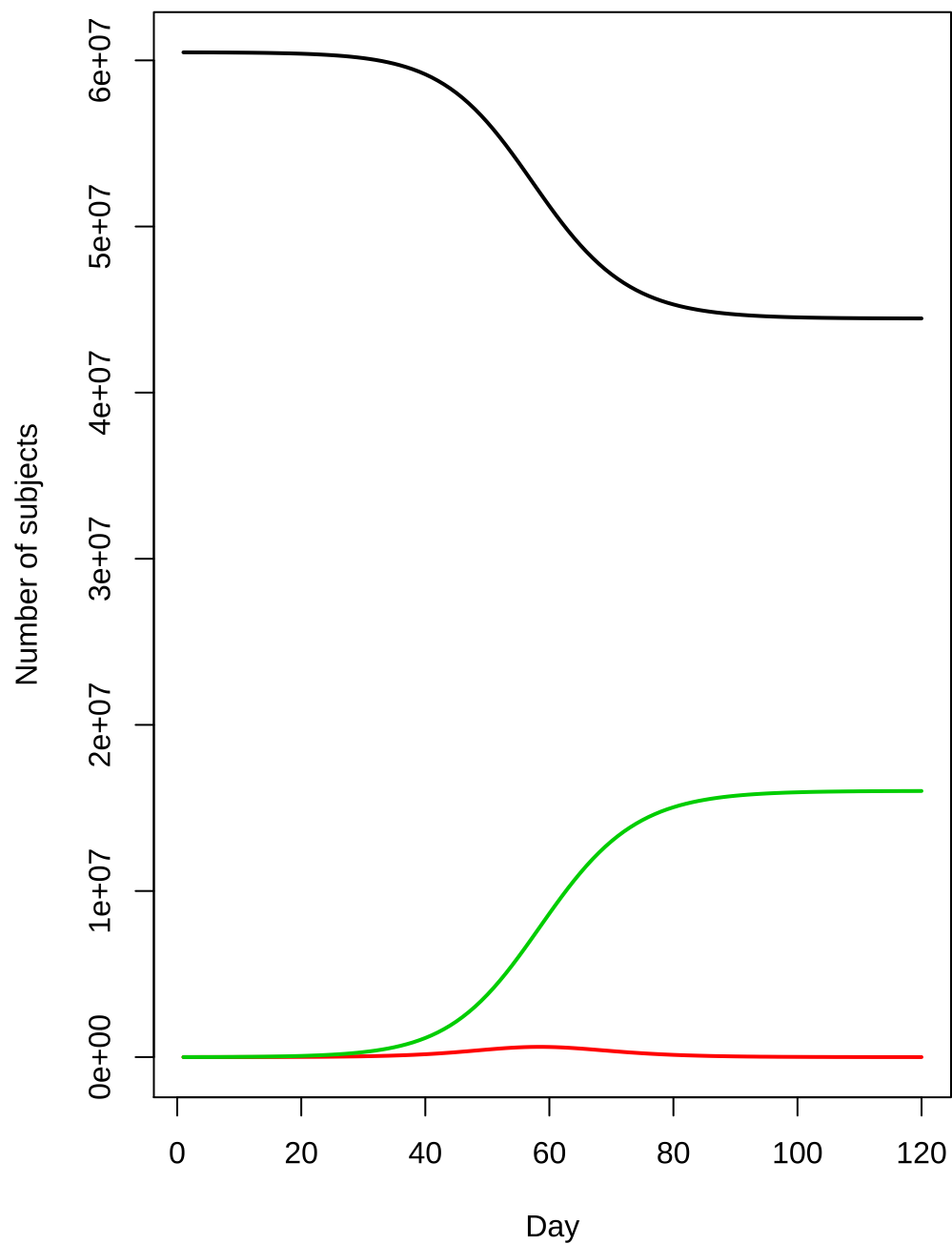
death



Total infections COVID-19 Italy

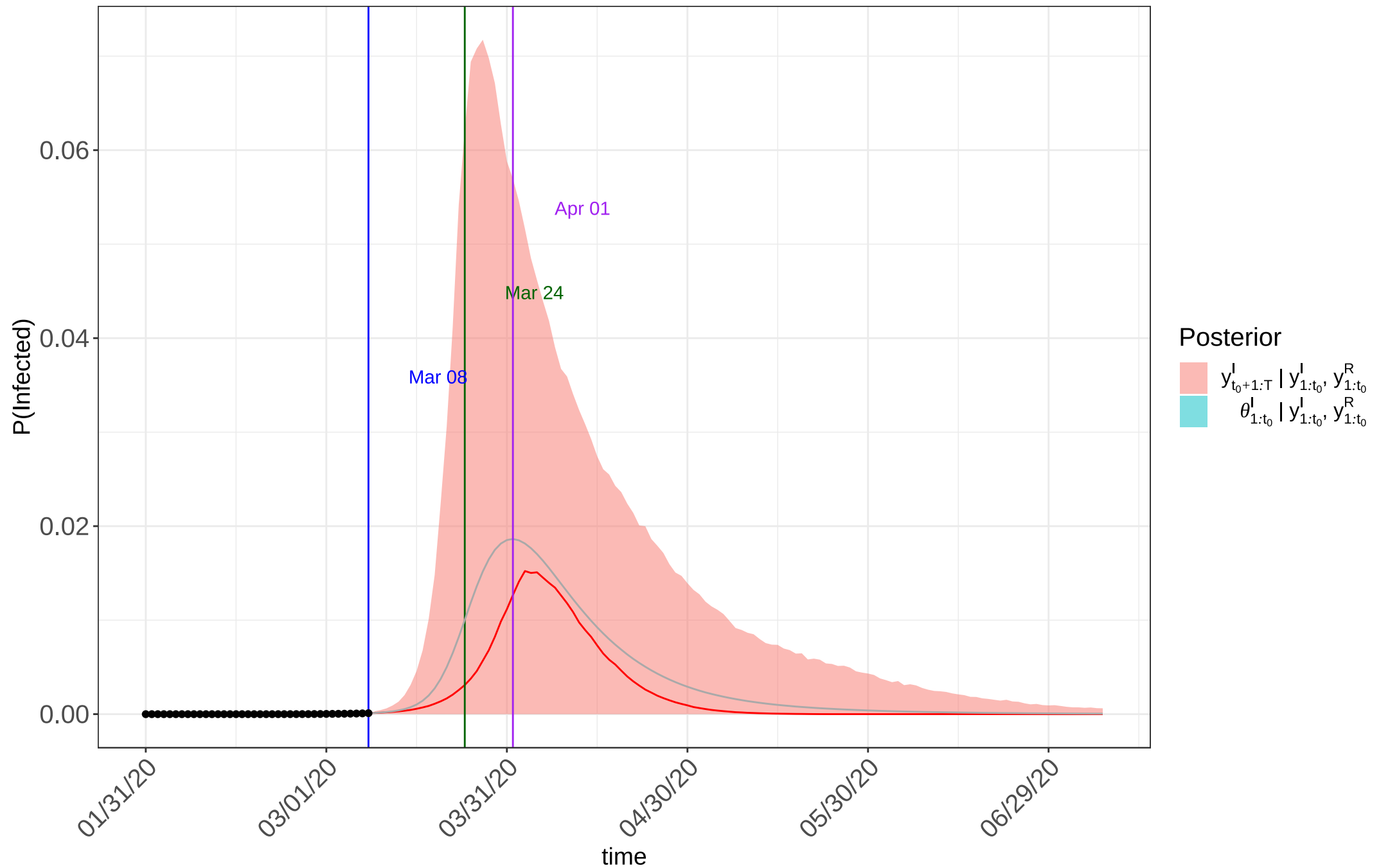


SIR model COVID-19 Italy



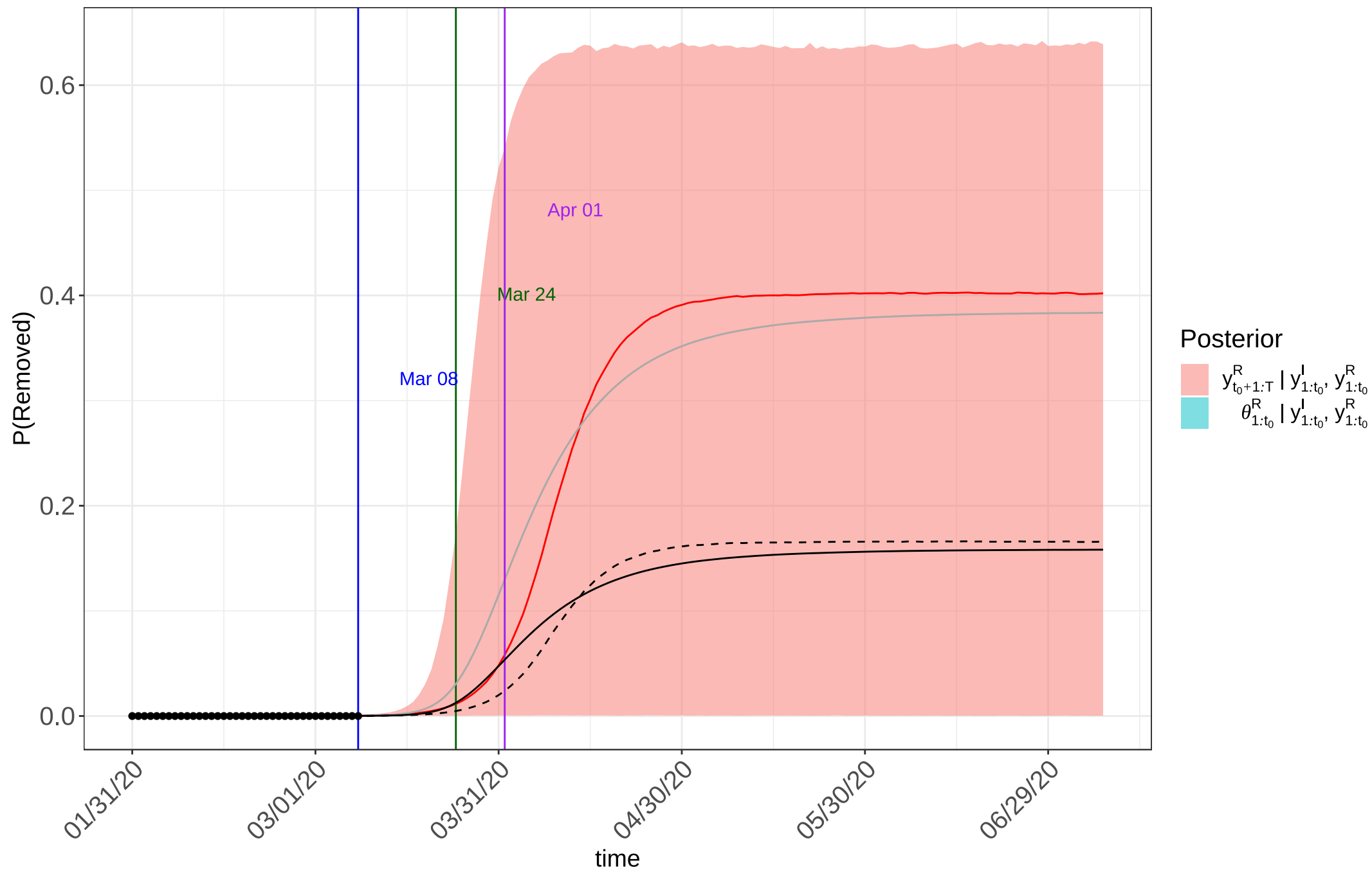
Italy_herd_immunity: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior $\beta_p=1.13, \gamma_p=0.794$ and $R_0=1.43$



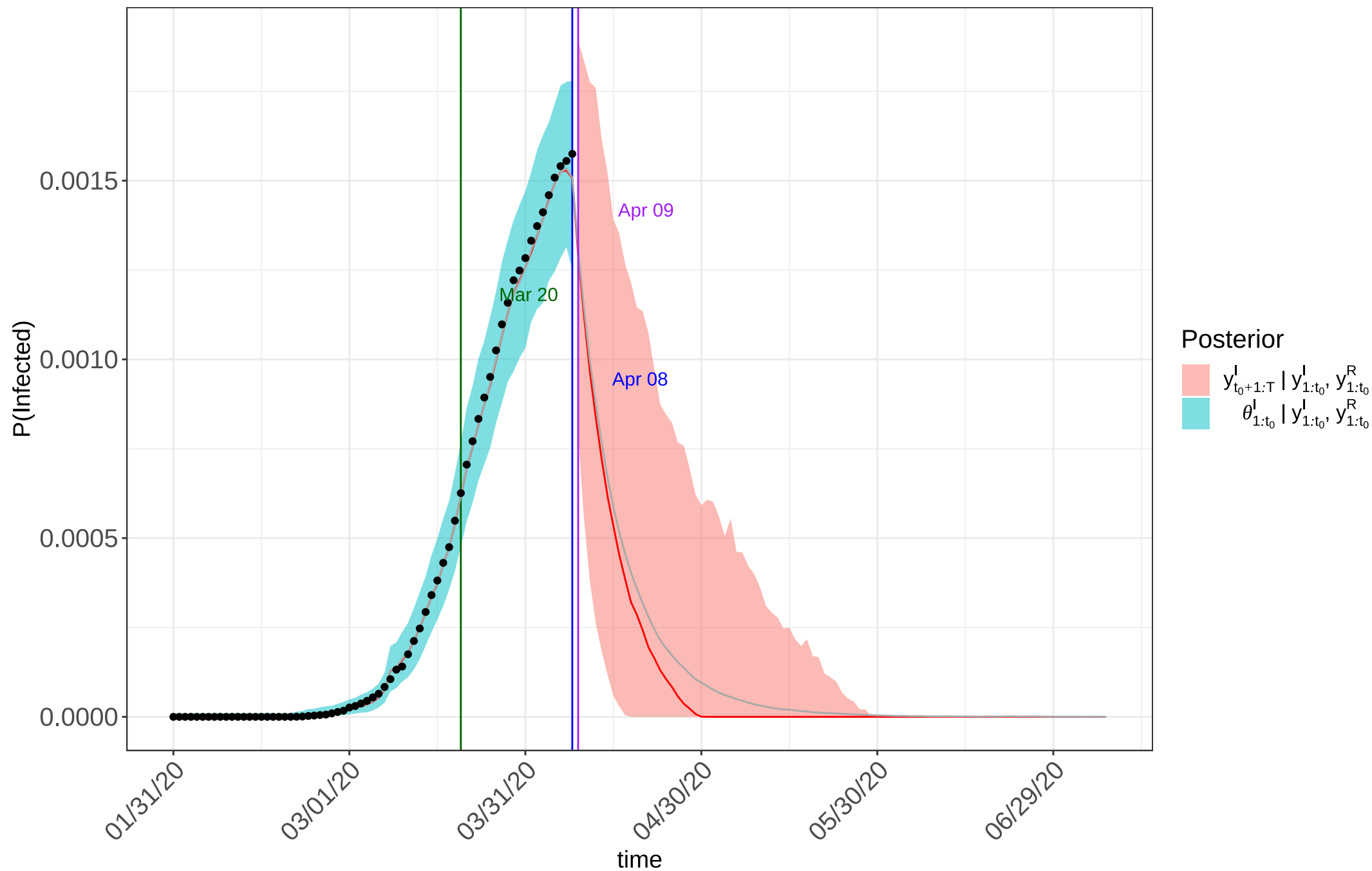
Italy_herd_immunity: removed forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

posterior: $\beta_p=1.13, \gamma_p=0.794$ and $R_0=1.43$



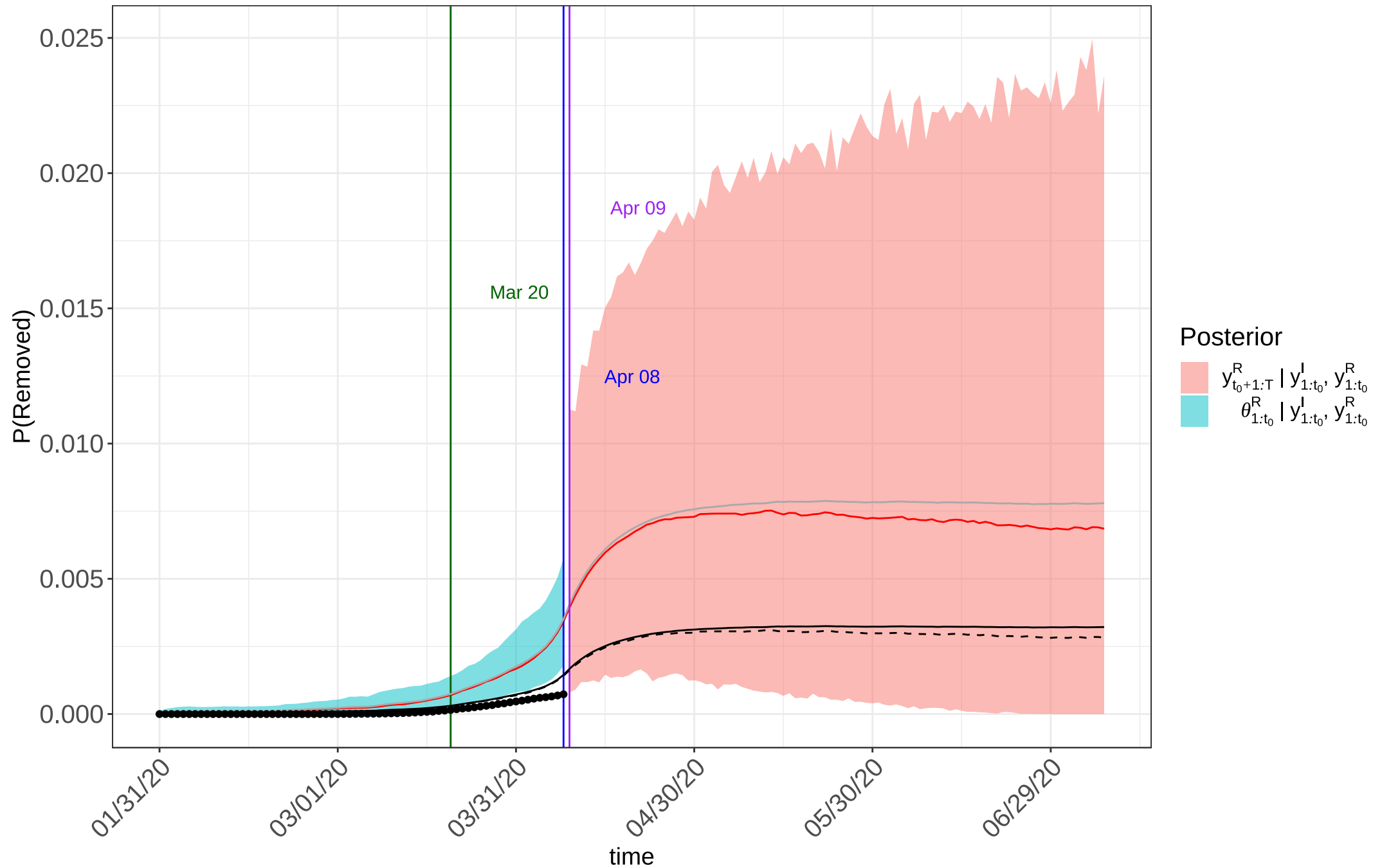
Italy_lockdown: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior $\beta_p=1.63, \gamma_p=0.379$ and $R_0=4.31$



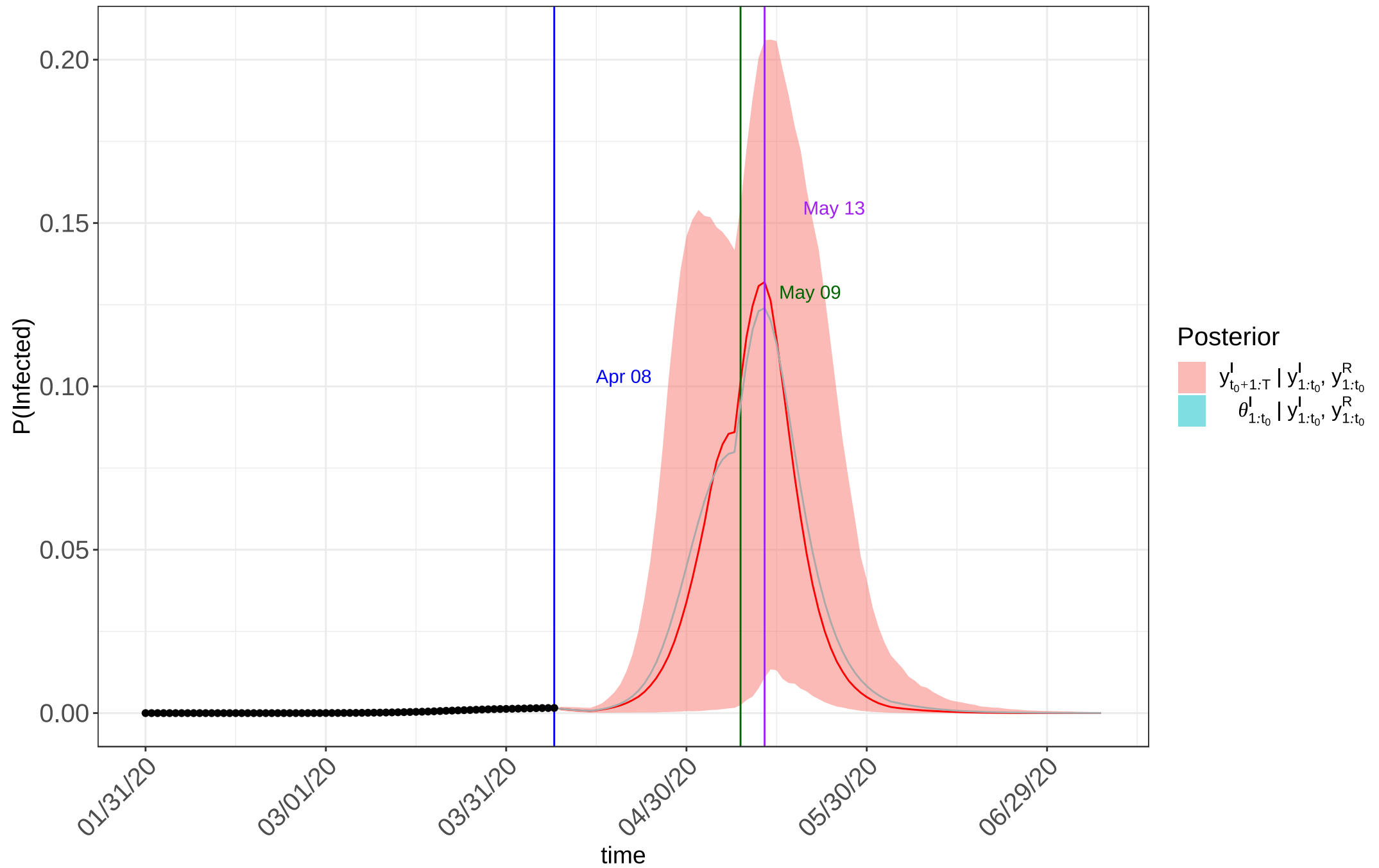
Italy_lockdown: removed forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

posterior: $\beta_p=1.63, \gamma_p=0.379$ and $R_0=4.31$



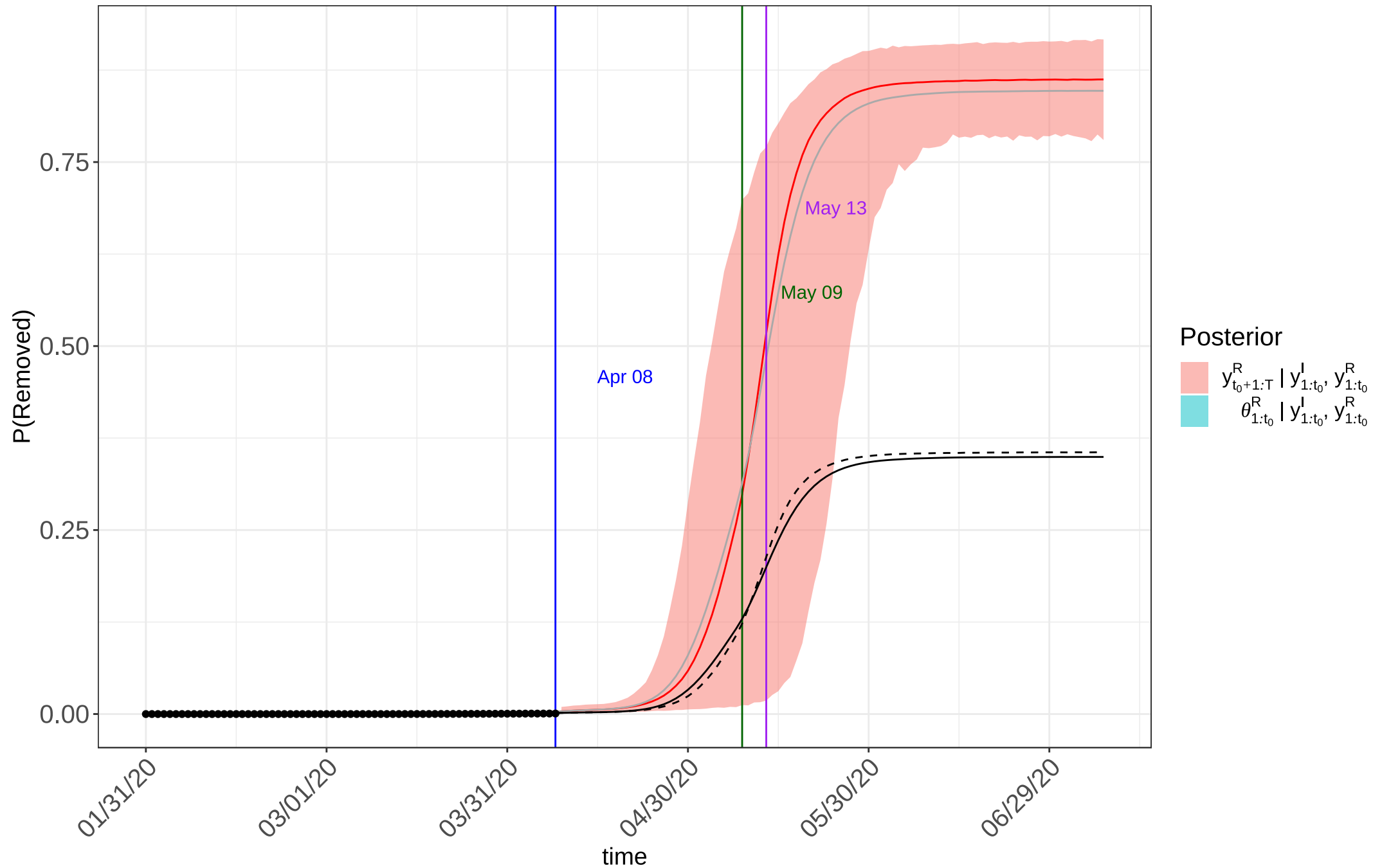
Italyafter_easter_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior $\beta_p=1.62, \gamma_p=0.377$ and $R_0=4.32$



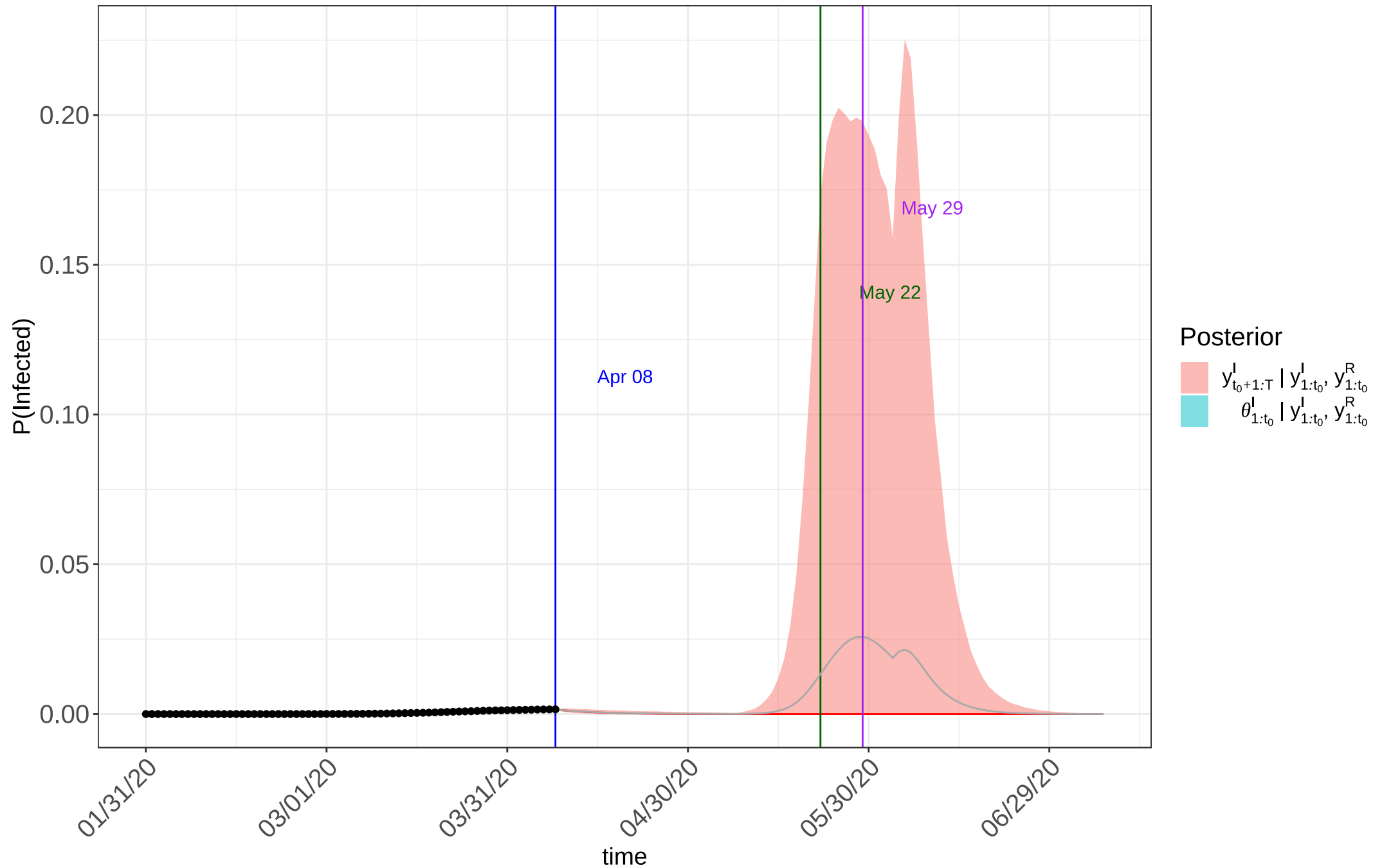
Italyafter_easter_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

posterior: $\beta_p=1.62, \gamma_p=0.377$ and $R_0=4.32$



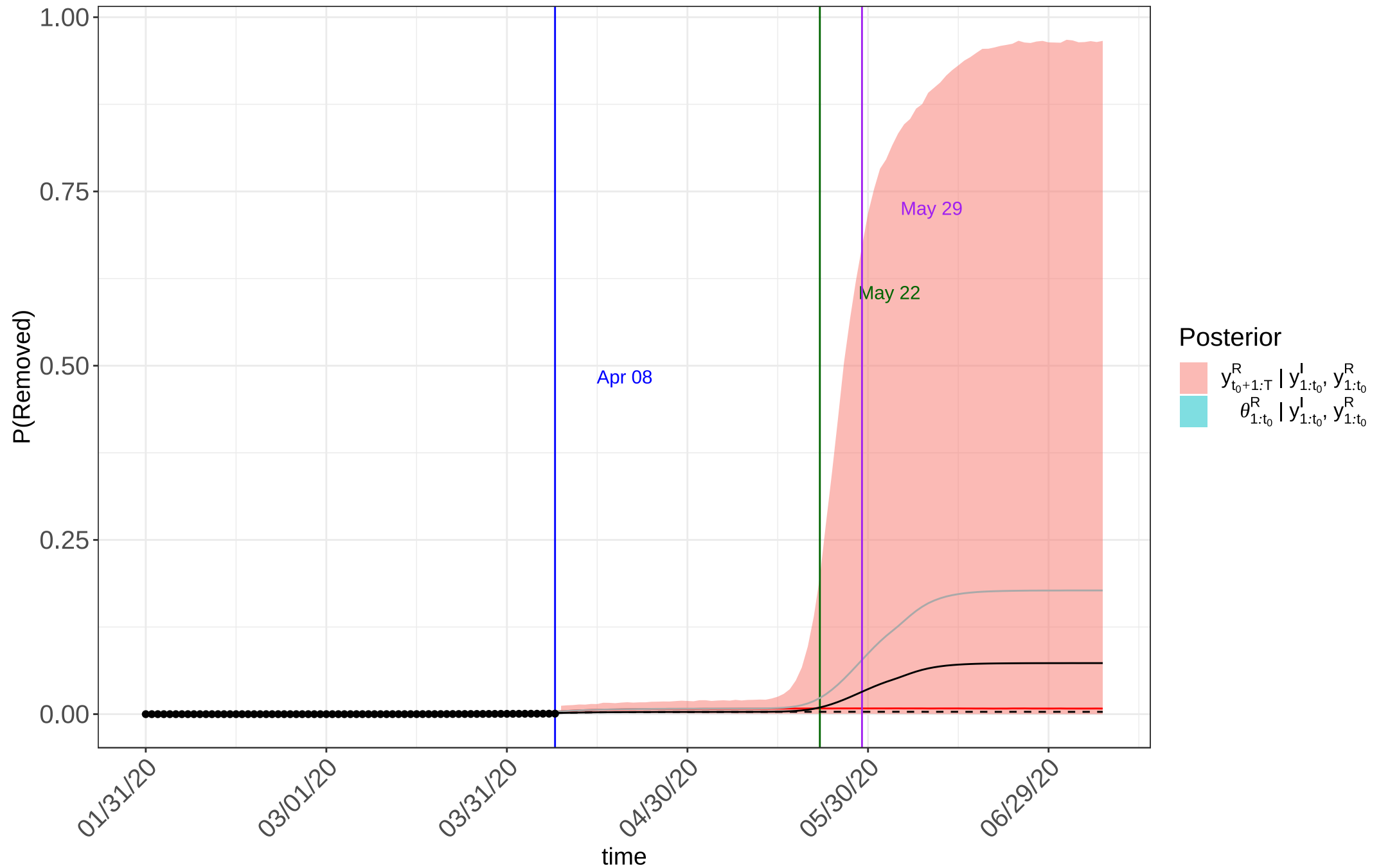
Italystep_after_1_may_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior $\beta_p=1.65, \gamma_p=0.384$ and $R_0=4.31$



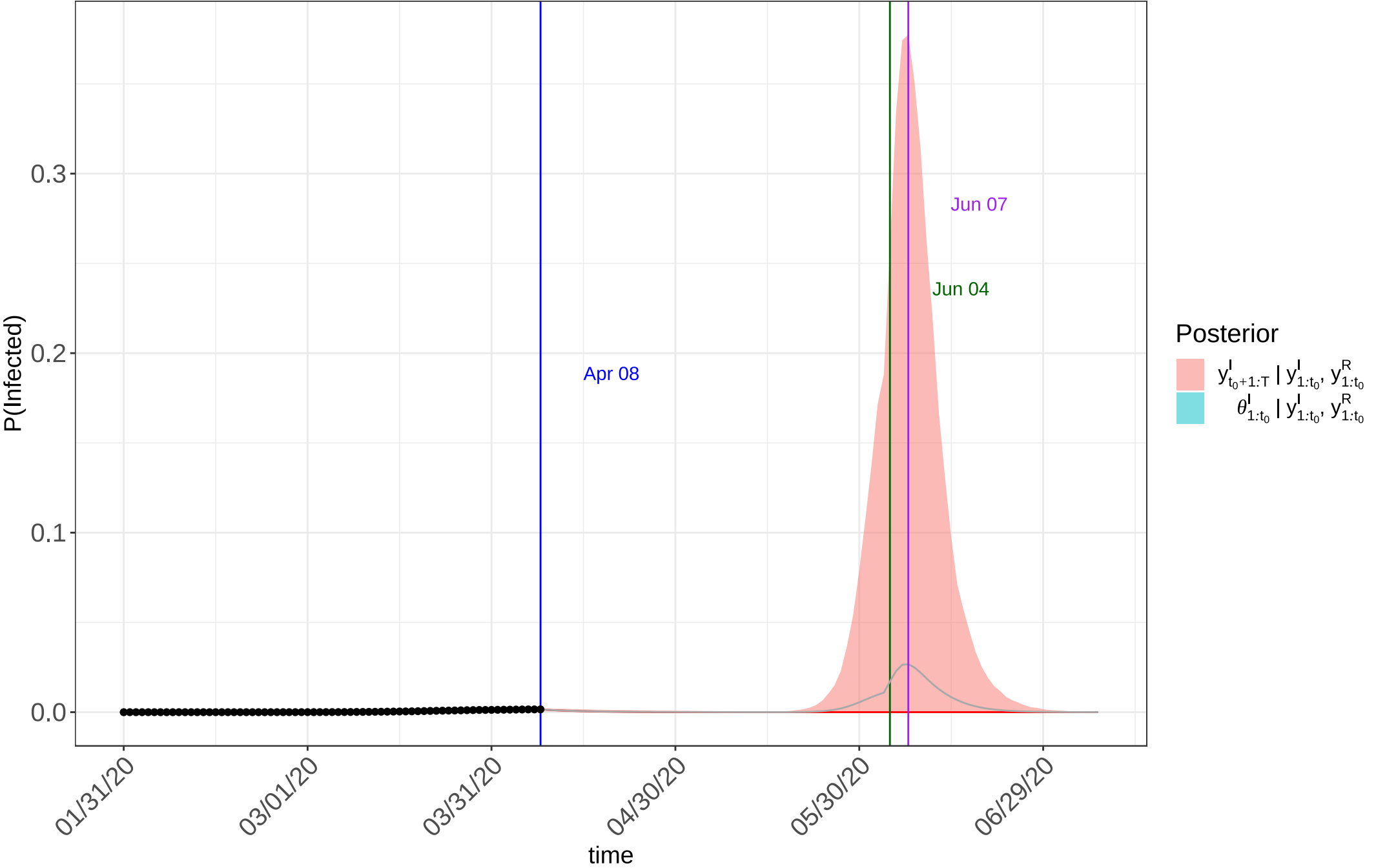
Italystep_after_1_may_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

posterior: $\beta_p=1.65, \gamma_p=0.384$ and $R_0=4.31$



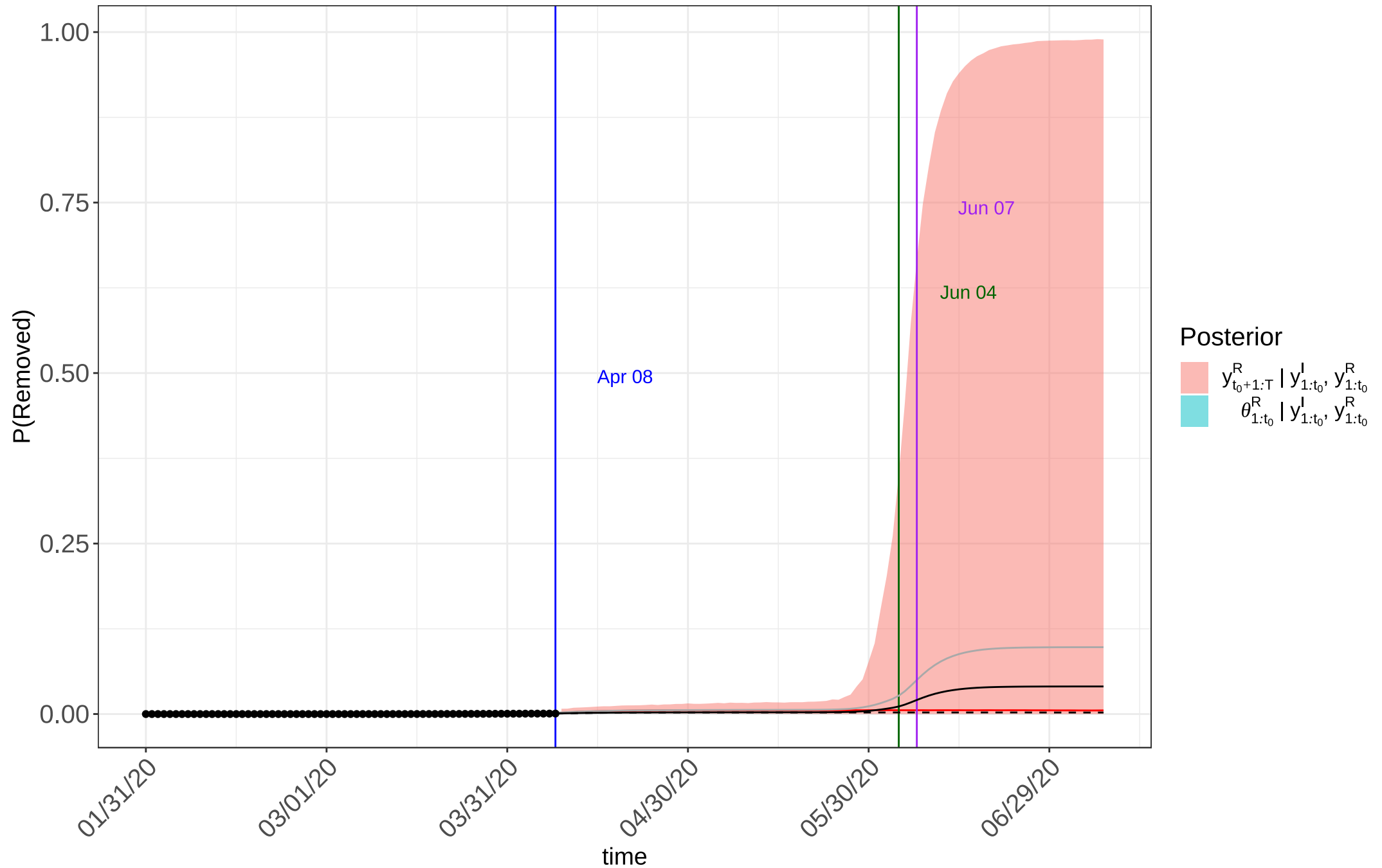
Italy_after_1_may_and_18_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior $\beta_p=1.44, \gamma_p=0.347$ and $R_0=4.17$



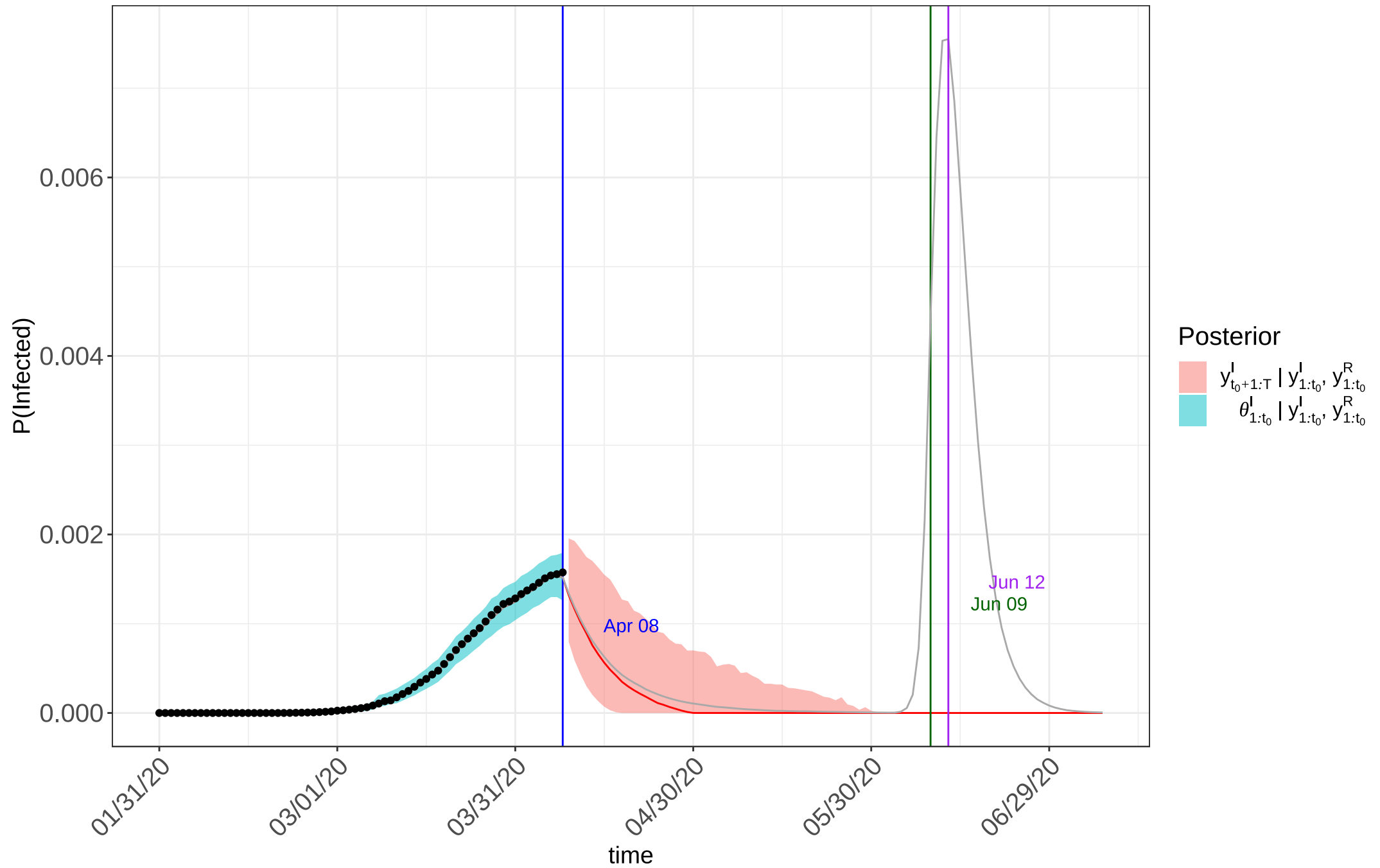
Italy_after_1_may_and_18_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

posterior: $\beta_p=1.44, \gamma_p=0.347$ and $R_0=4.17$



Italyafter_2_june_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior $\beta_p=1.6, \gamma_p=0.371$ and $R_0=4.33$



Italyafter_2_june_reopen: removed forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

posterior: $\beta_p=1.6, \gamma_p=0.371$ and $R_0=4.33$

