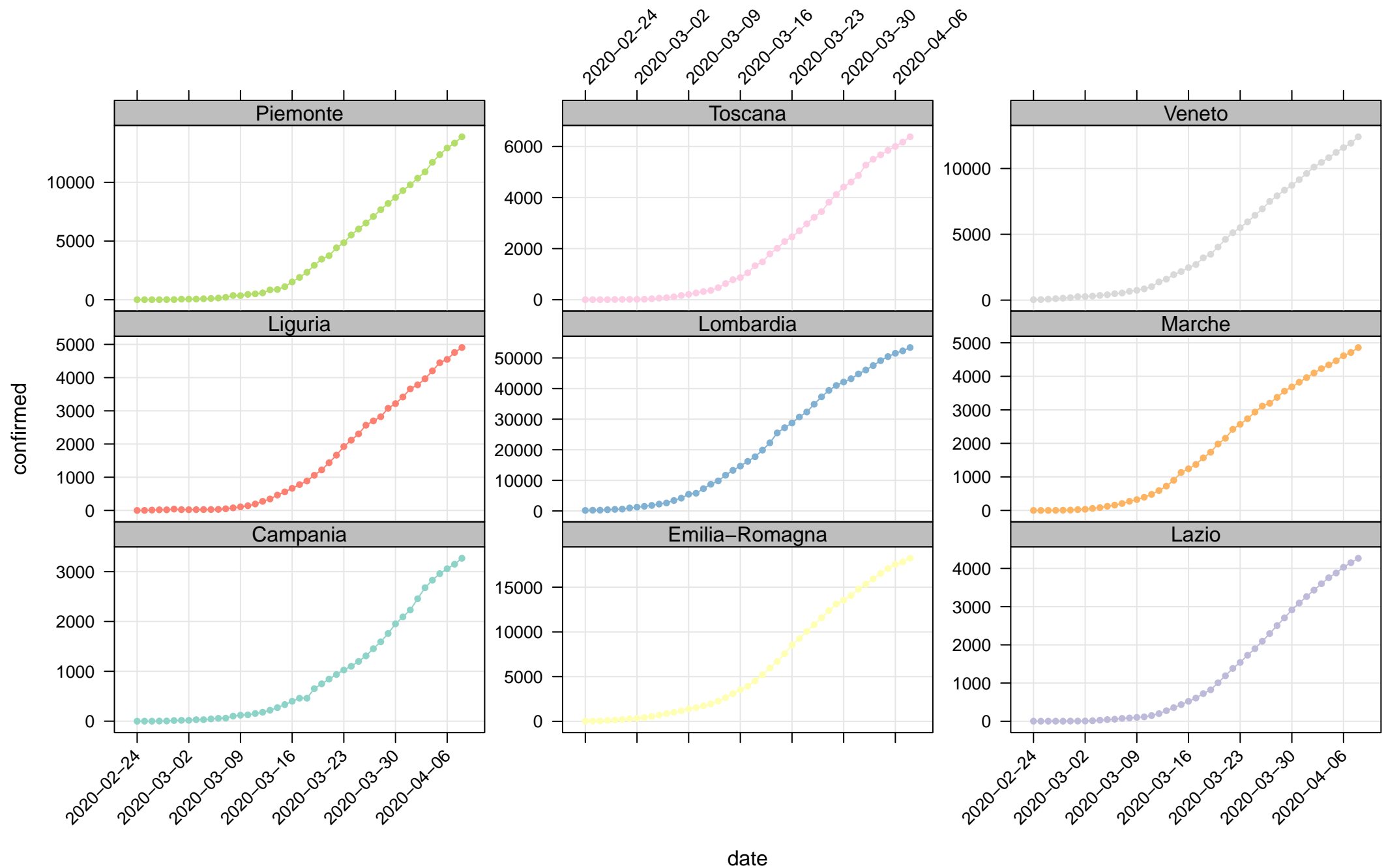
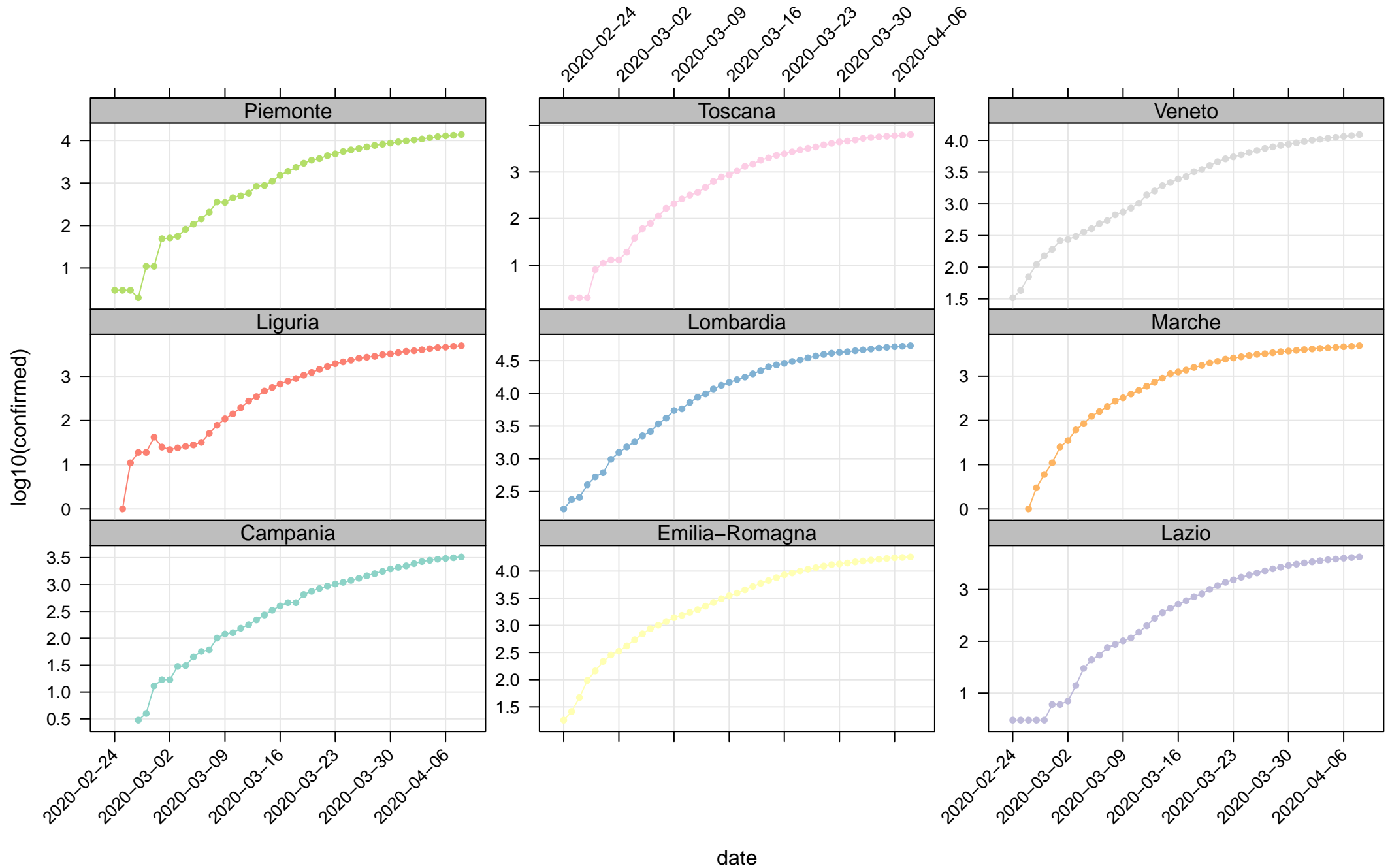


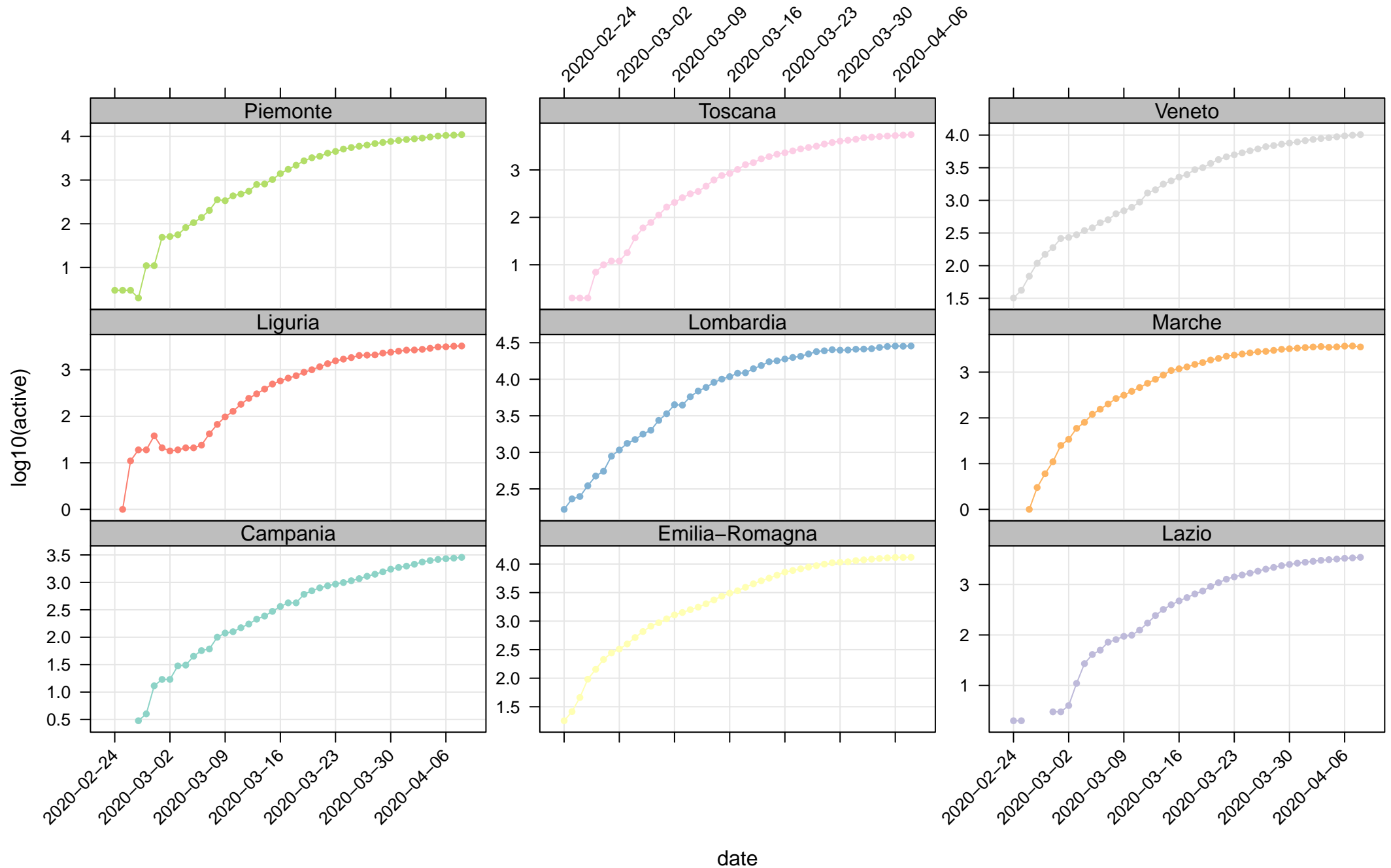
**ITALY – Confirmed cases of COVID-19**  
**(last date in this graph is 2020-04-08)**



**ITALY – Log 10 Confirmed cases of COVID-19**  
**(last date in this graph is 2020-04-08)**

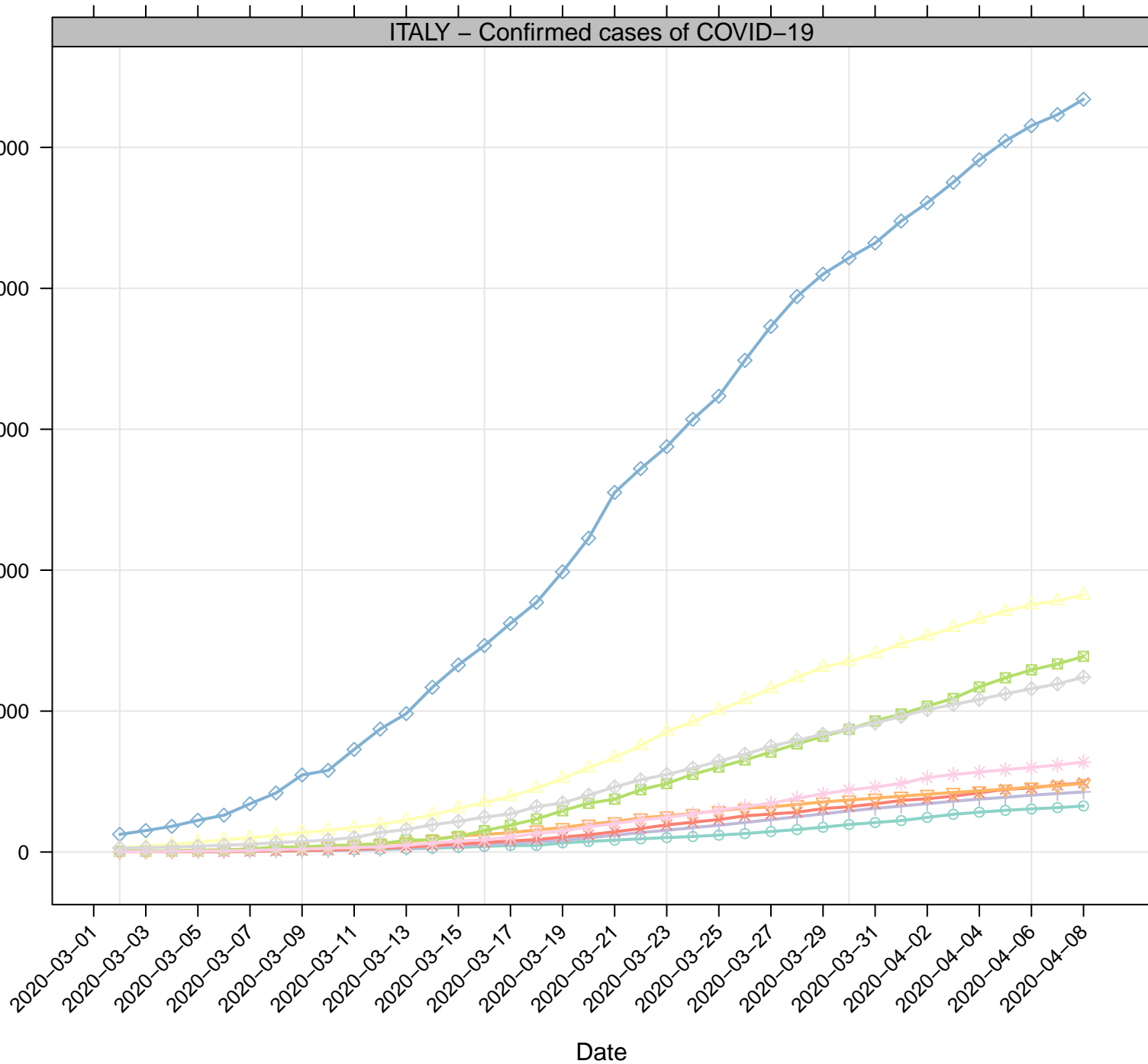


**ITALY – Log 10 Active cases of COVID-19**  
**(last date in this graph is 2020-04-08)**



ITALY – Confirmed cases of COVID-19

log10 of number of new COVID-19 cases

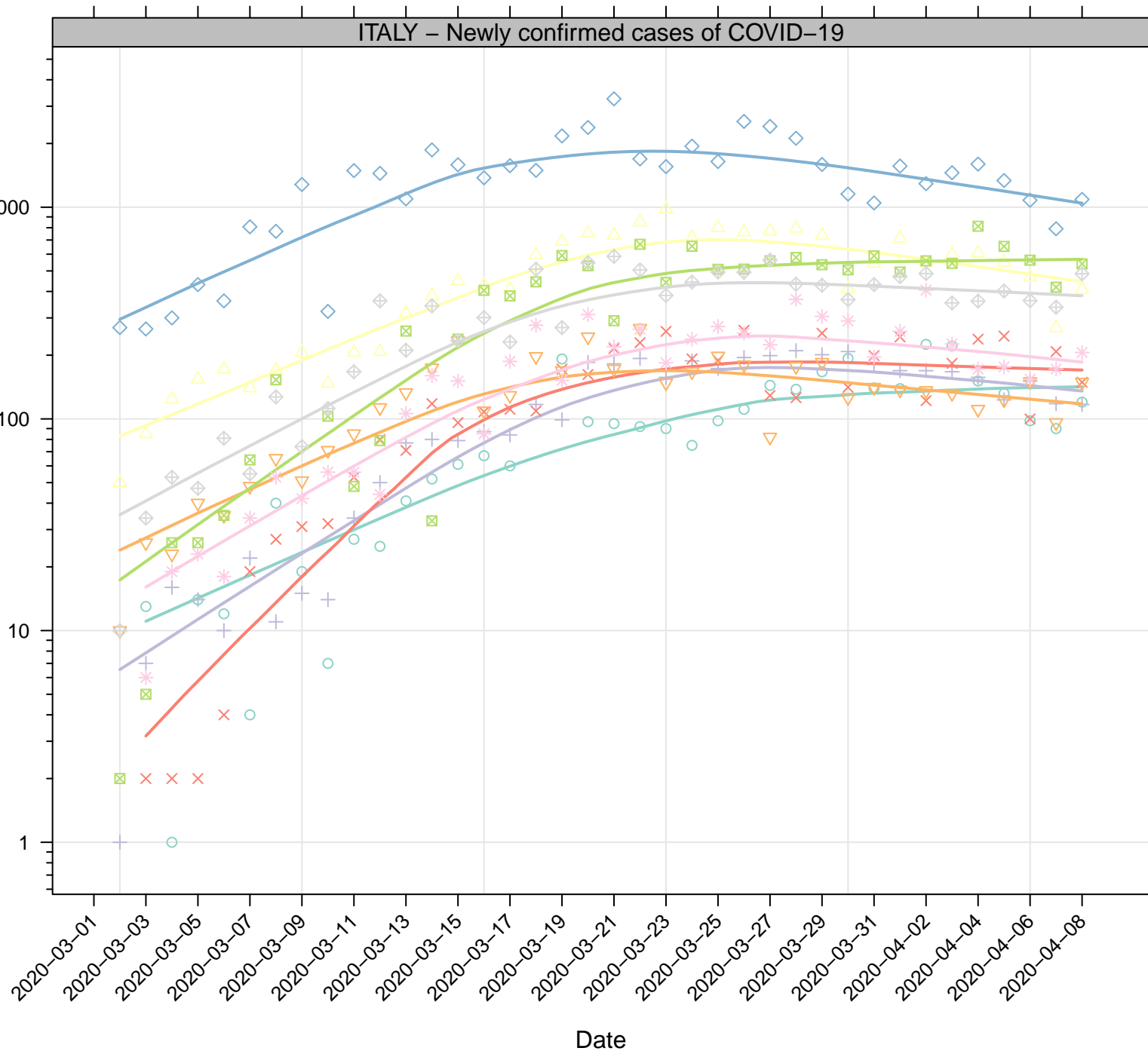


## Countries

- Campania
- Emilia-Romagna
- Lazio
- Liguria
- Lombardia
- Marche
- Piemonte
- Toscana
- Veneto

ITALY – Newly confirmed cases of COVID-19

number of new COVID-19 cases



## Countries

- Campania ○ —
- Emilia-Romagna △ —
- Lazio + —
- Liguria × —
- Lombardia ◇ —
- Marche ▽ —
- Piemonte ⊠ —
- Toscana ✱ —
- Veneto ⬠ —

ITALY – Daily deaths (weekly moving average)

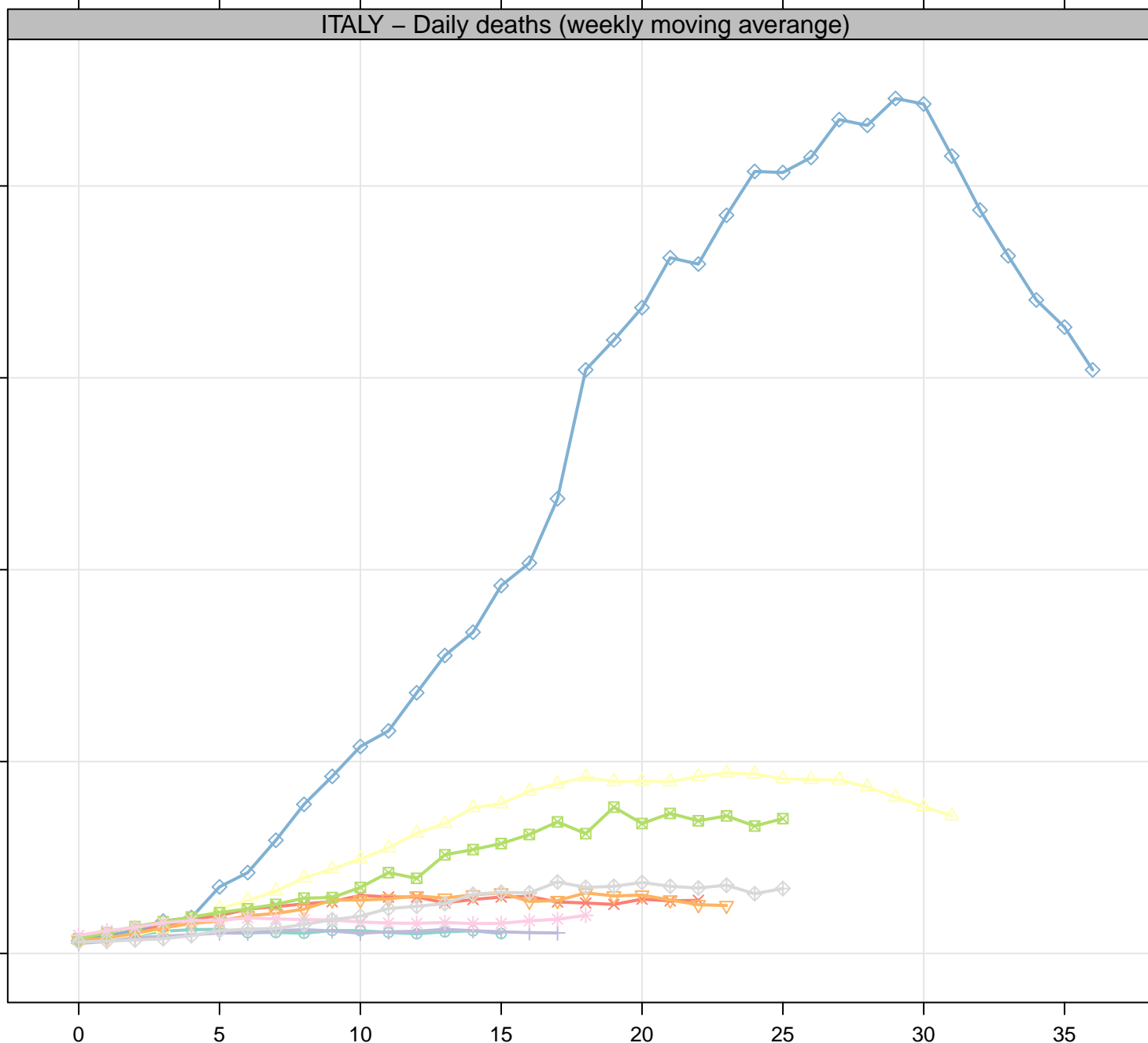
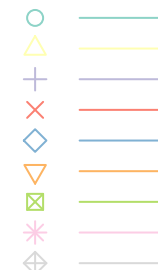
number of cases (7 days rolling mean)

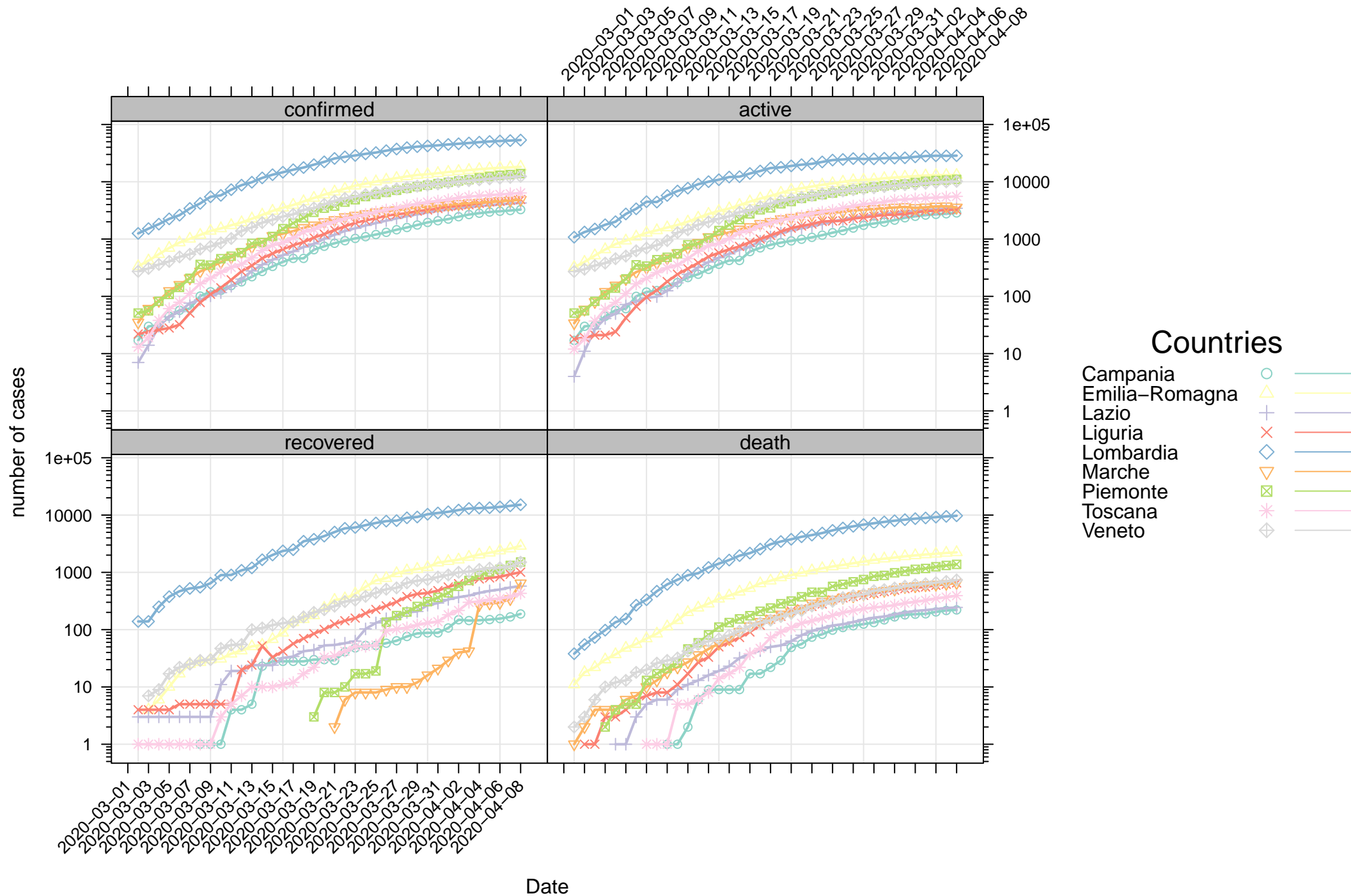
400  
300  
200  
100  
0

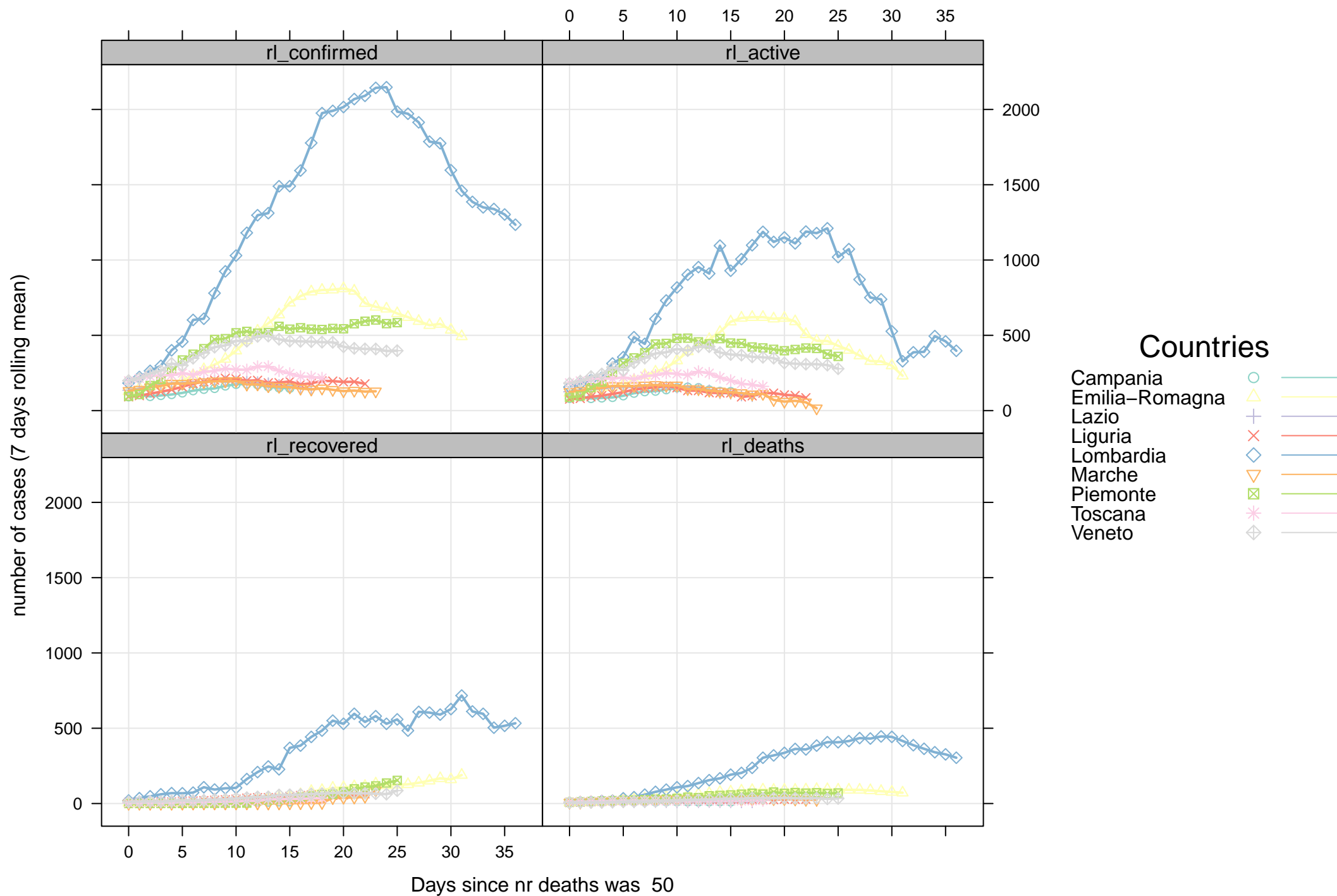
Days since nr deaths was 50

## Countries

Campania  
Emilia-Romagna  
Lazio  
Liguria  
Lombardia  
Marche  
Piemonte  
Toscana  
Veneto

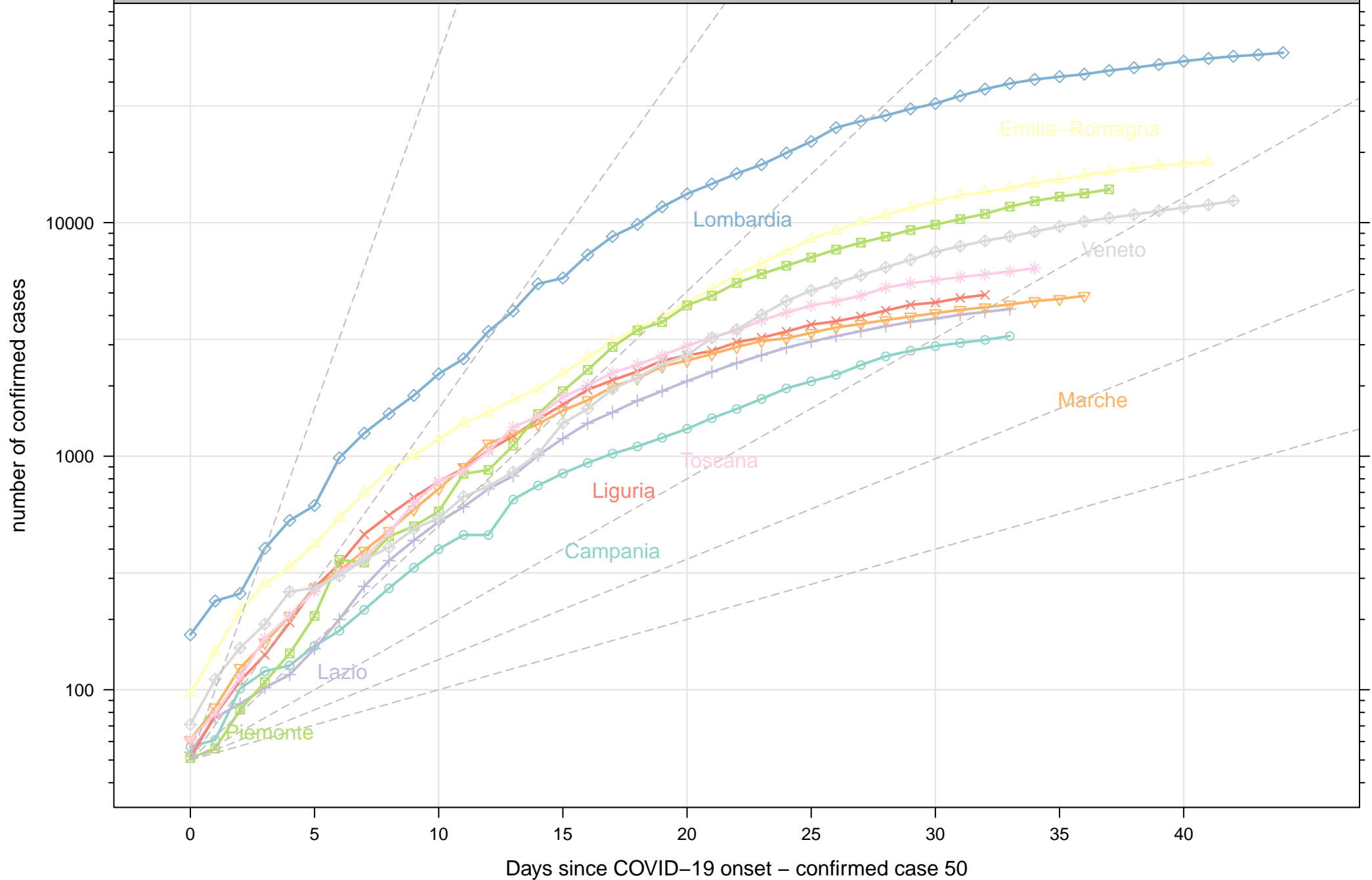


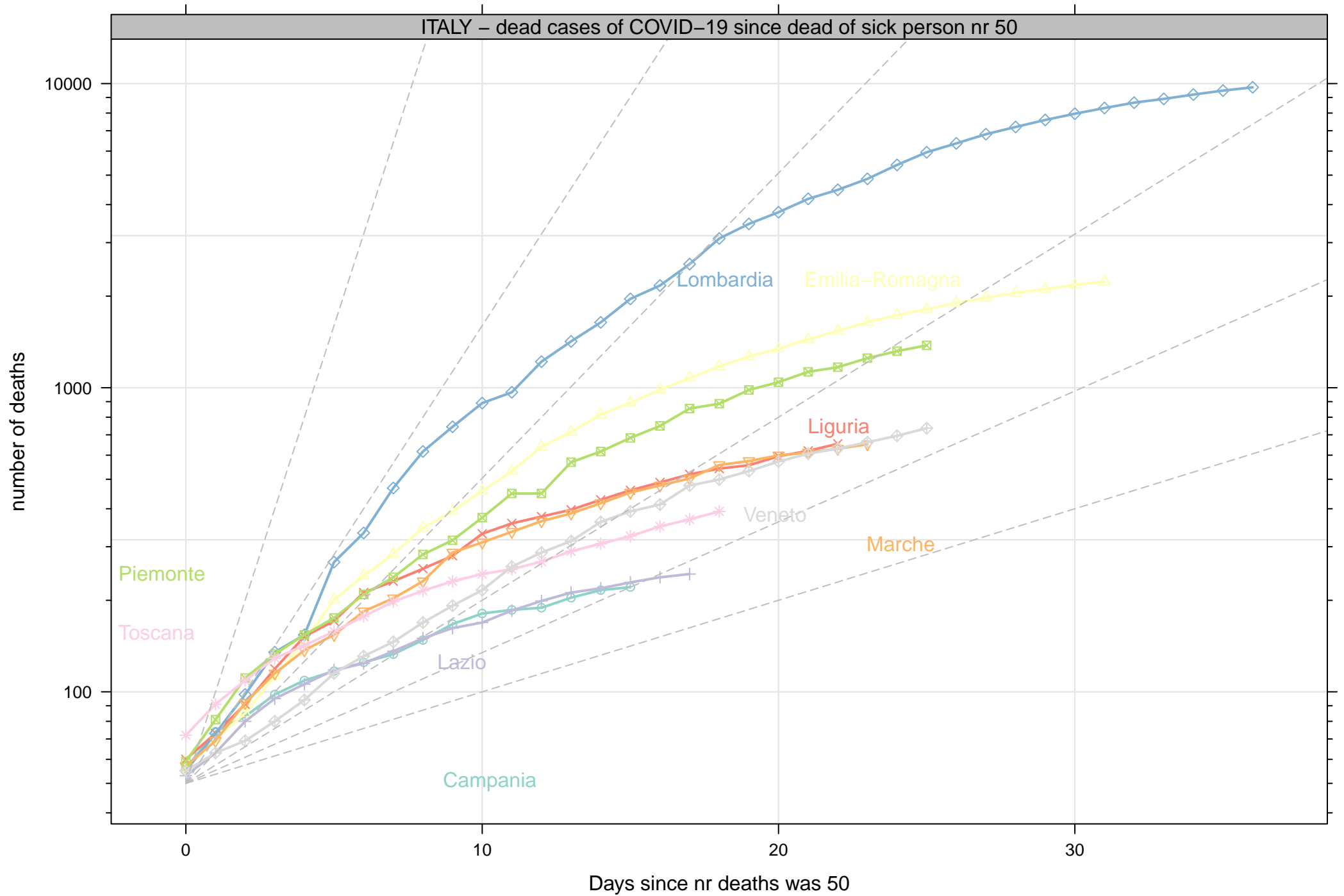




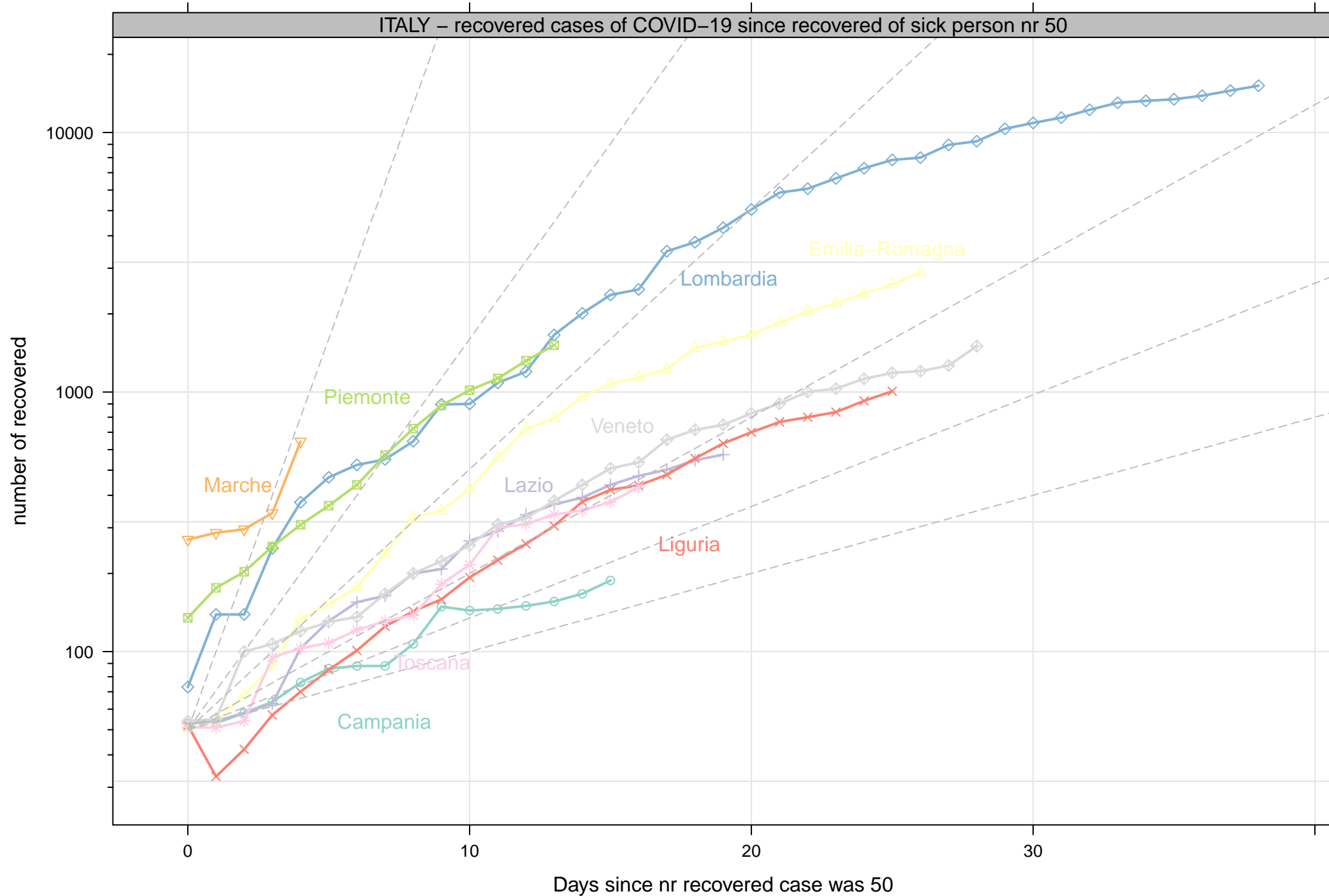


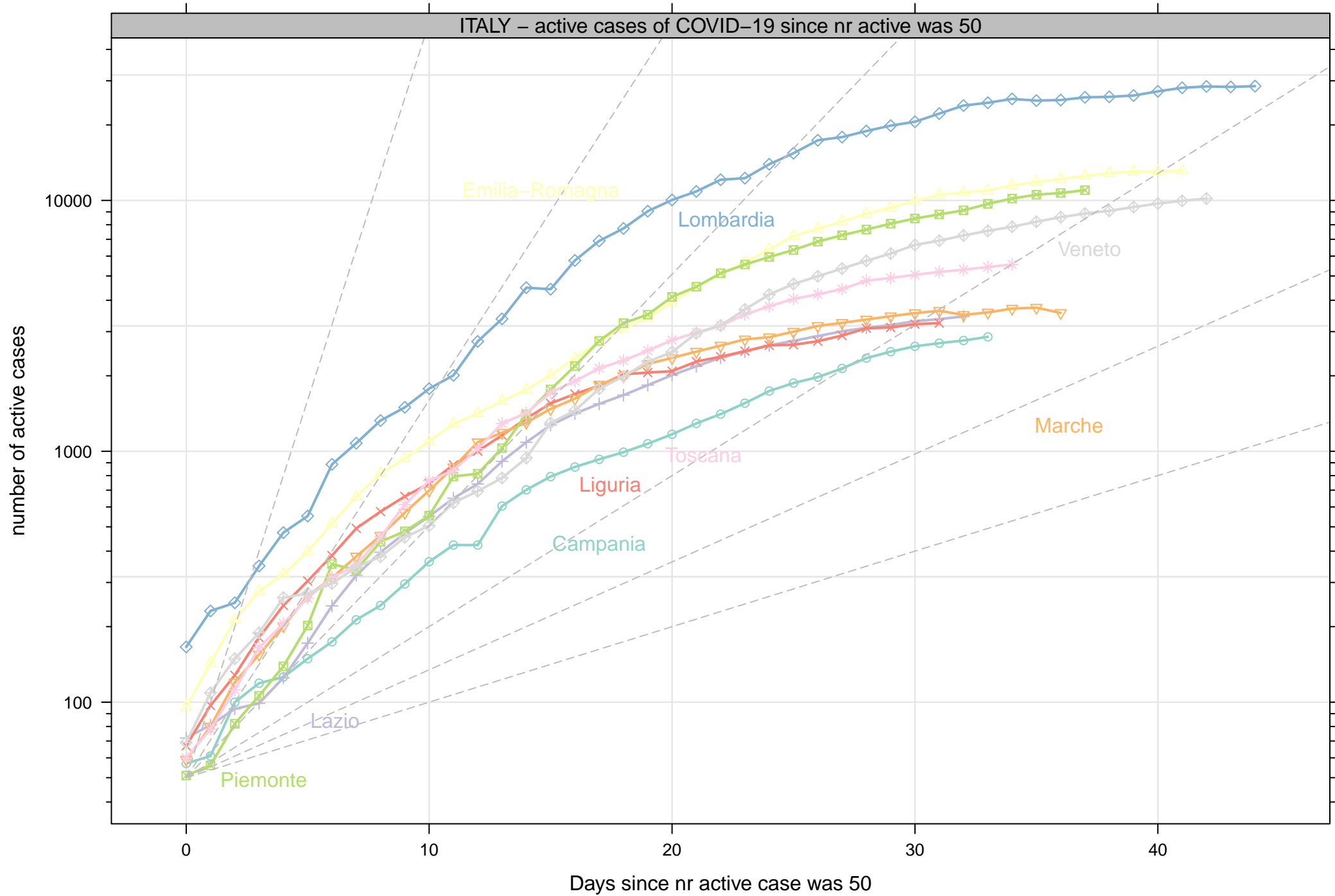
ITALY – confirmed cases of COVID-19 since onset of sick person nr 50



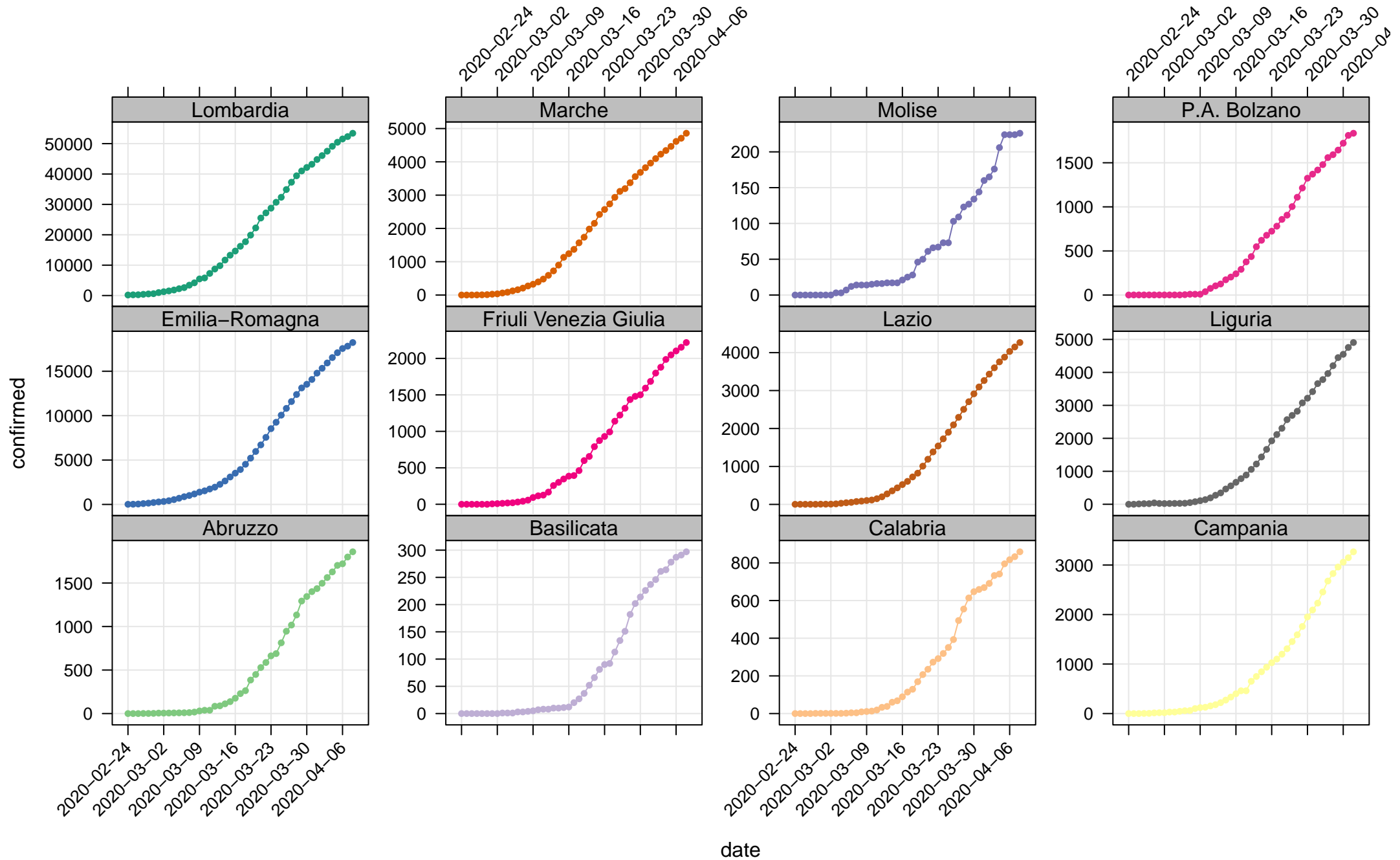


ITALY – recovered cases of COVID-19 since recovered of sick person nr 50



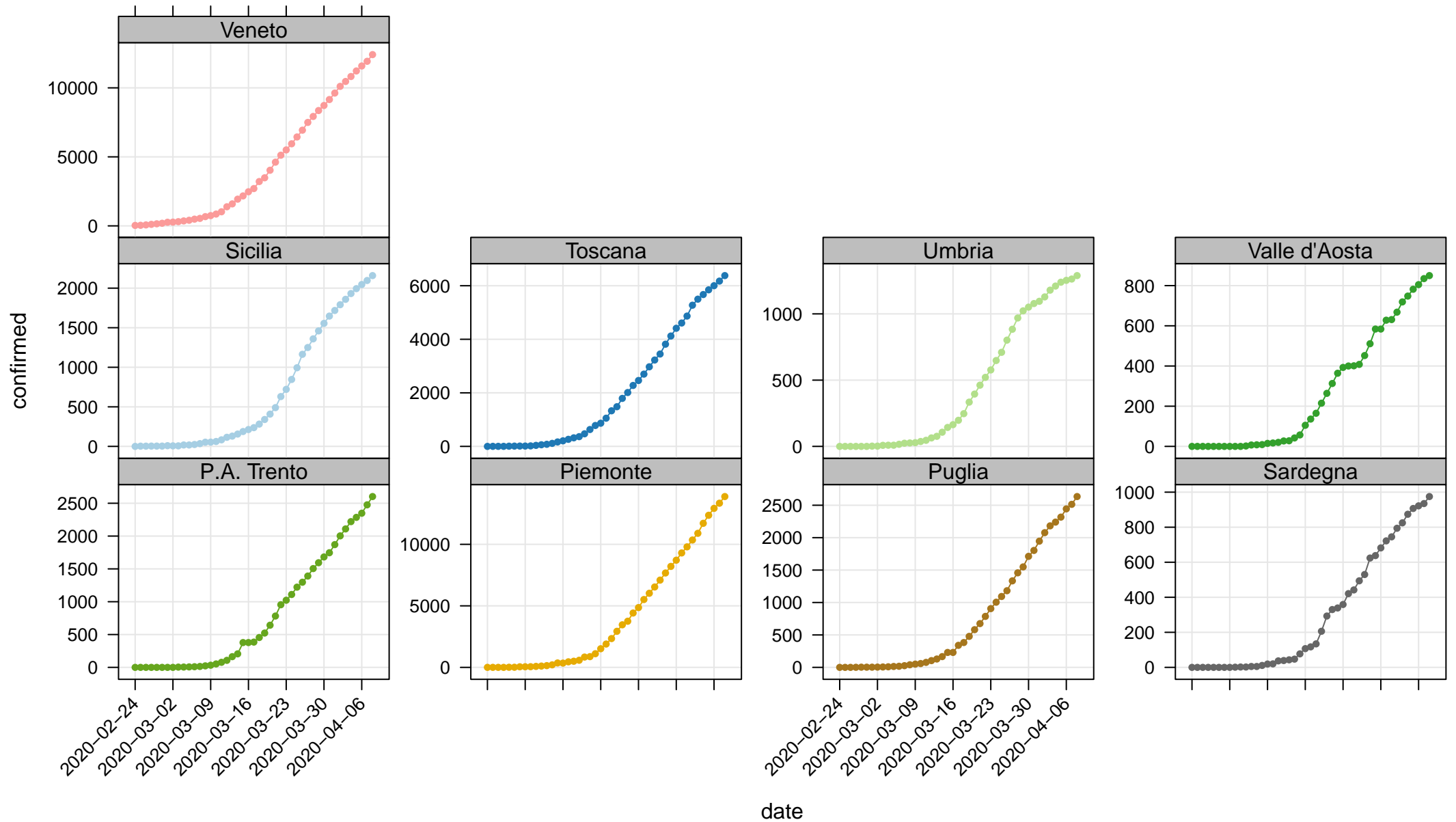


**ITALY – Confirmed cases of COVID-19**  
**(last date in this graph is 2020-04-08)**

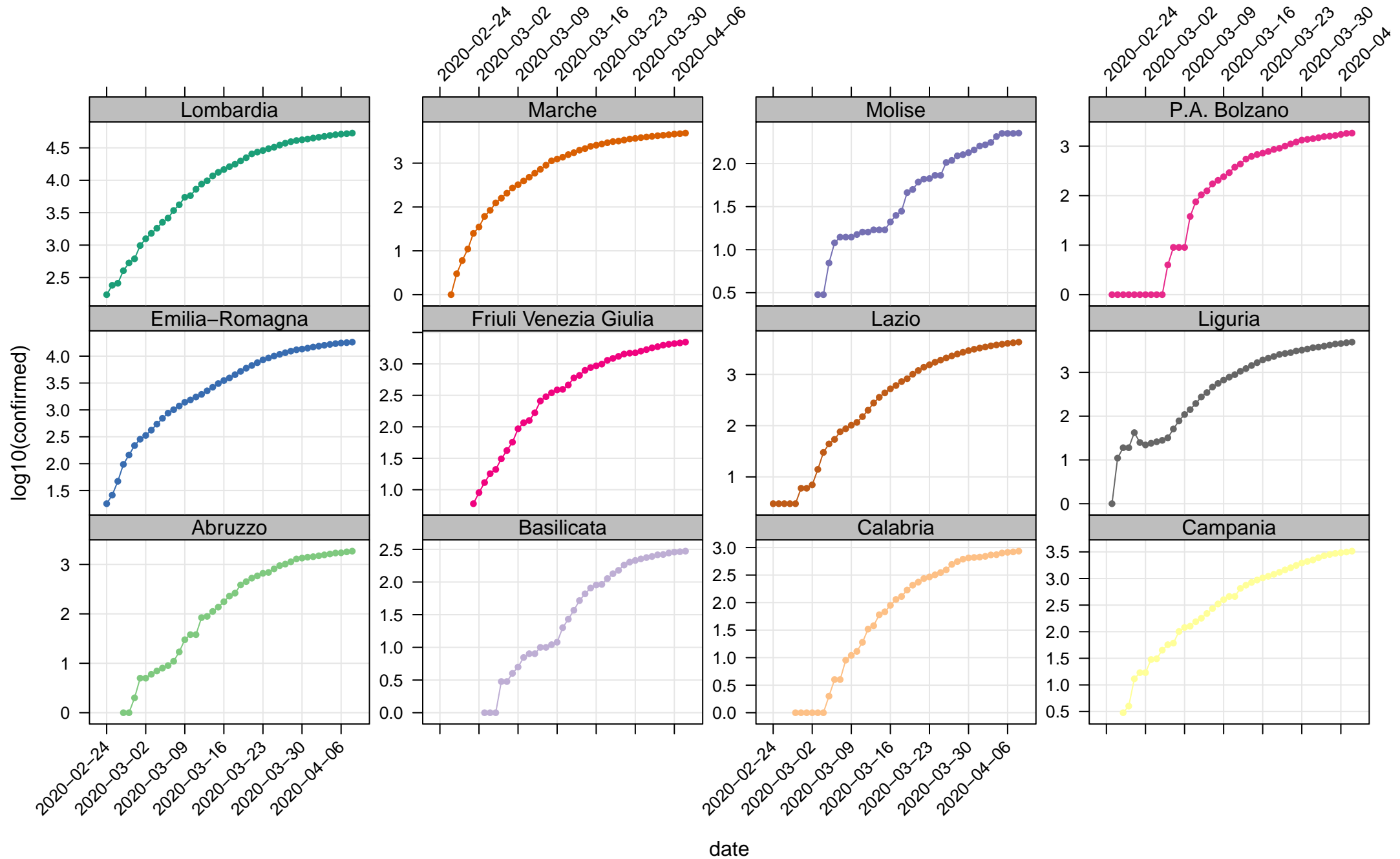


# ITALY – Confirmed cases of COVID-19

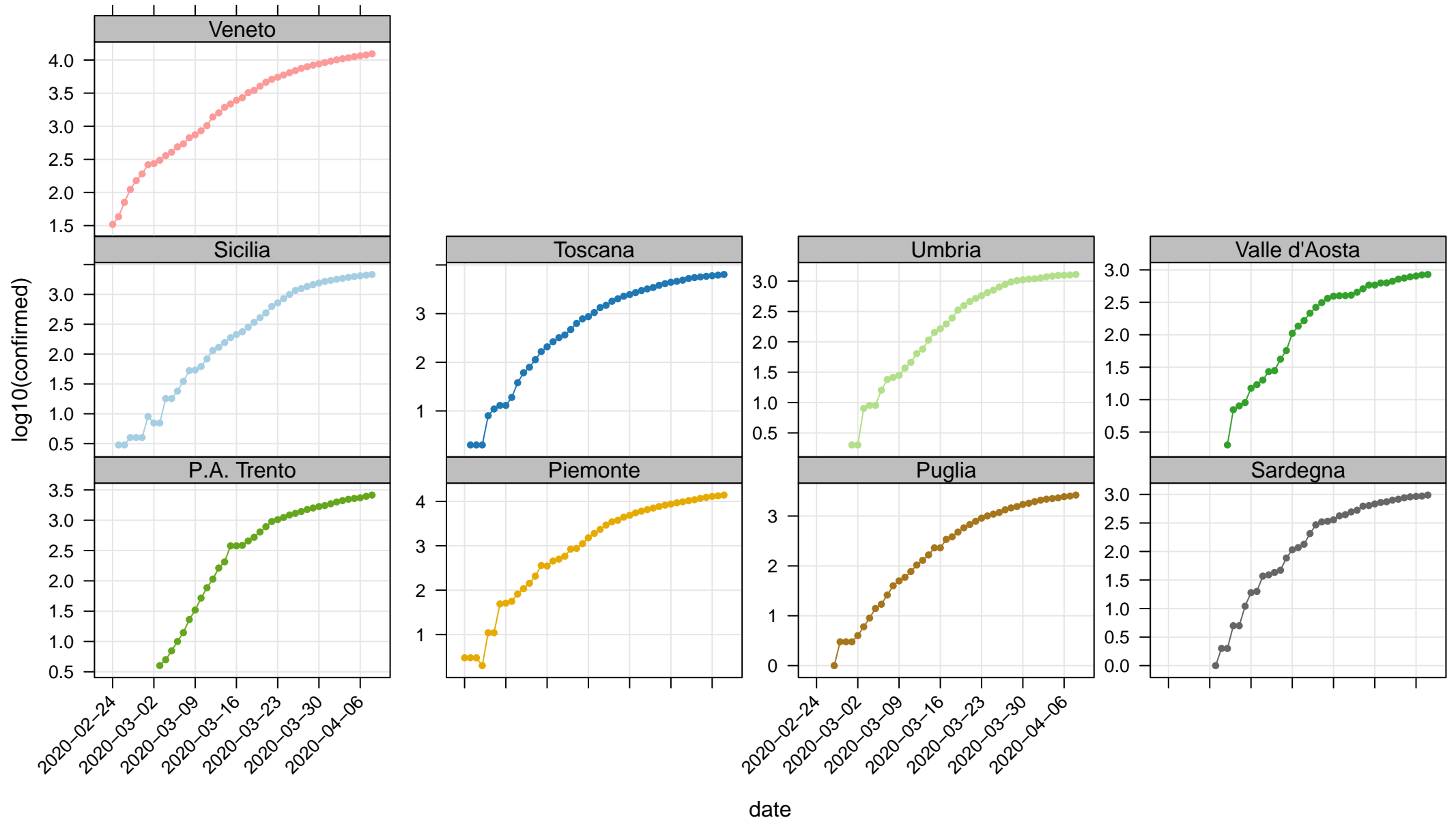
(last date in this graph is 2020-04-08)



# ITALY – Log 10 Confirmed cases of COVID-19 (last date in this graph is 2020-04-08)

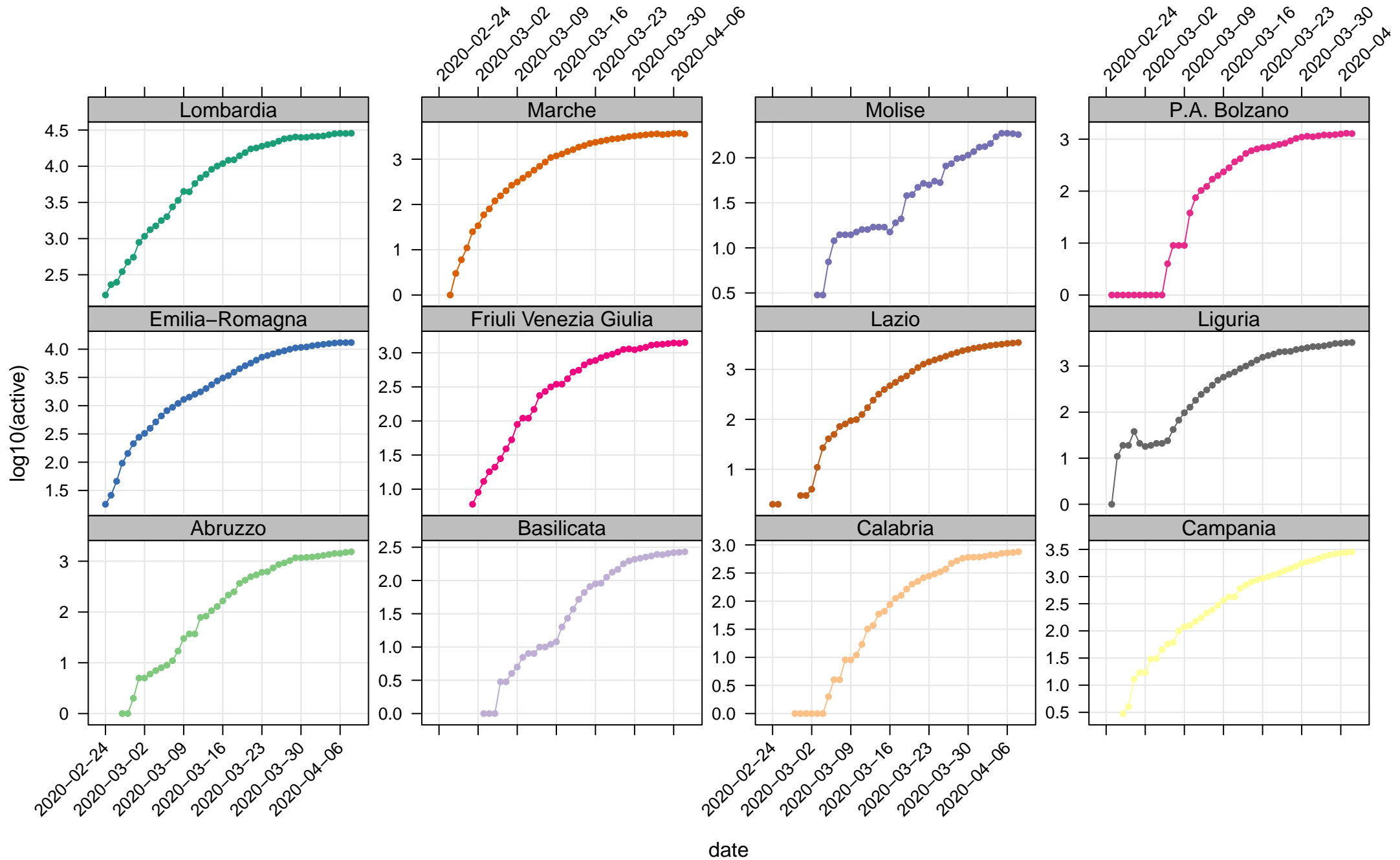


**ITALY – Log 10 Confirmed cases of COVID-19**  
(last date in this graph is 2020-04-08)

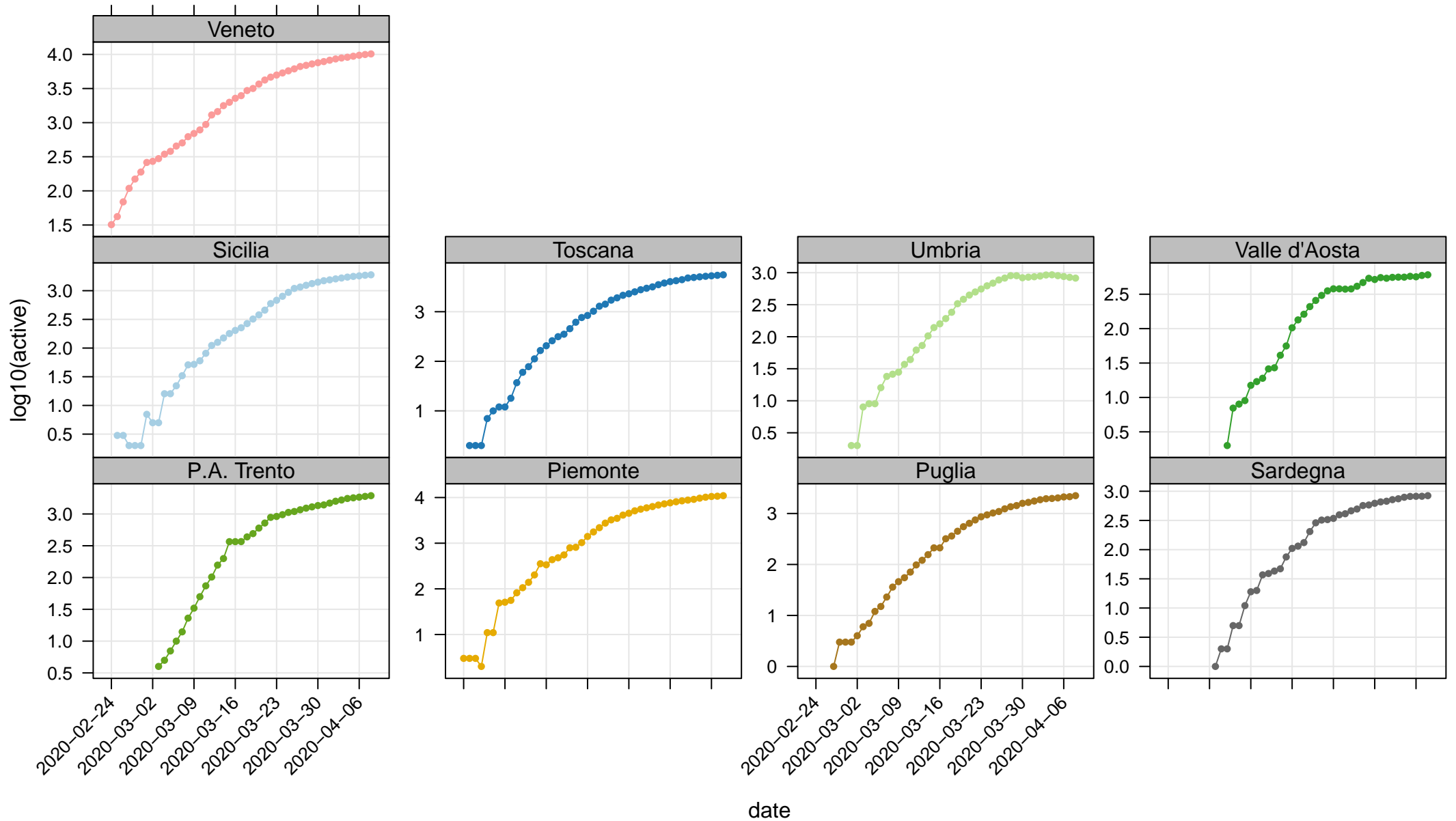




# ITALY – Log 10 Active cases of COVID-19 (last date in this graph is 2020-04-08)

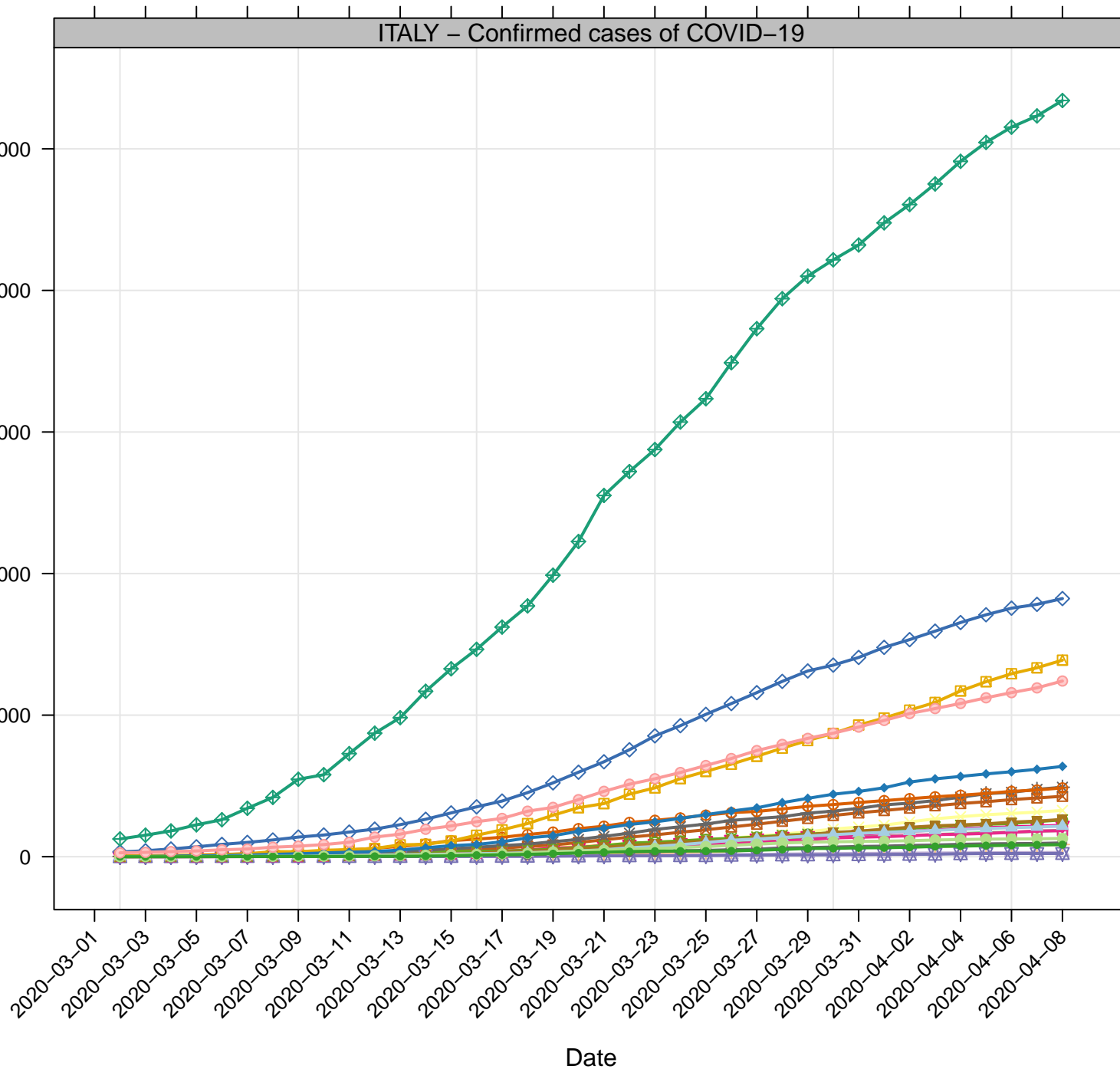


**ITALY – Log 10 Active cases of COVID-19**  
(last date in this graph is 2020-04-08)



ITALY – Confirmed cases of COVID-19

log10 of number of new COVID-19 cases

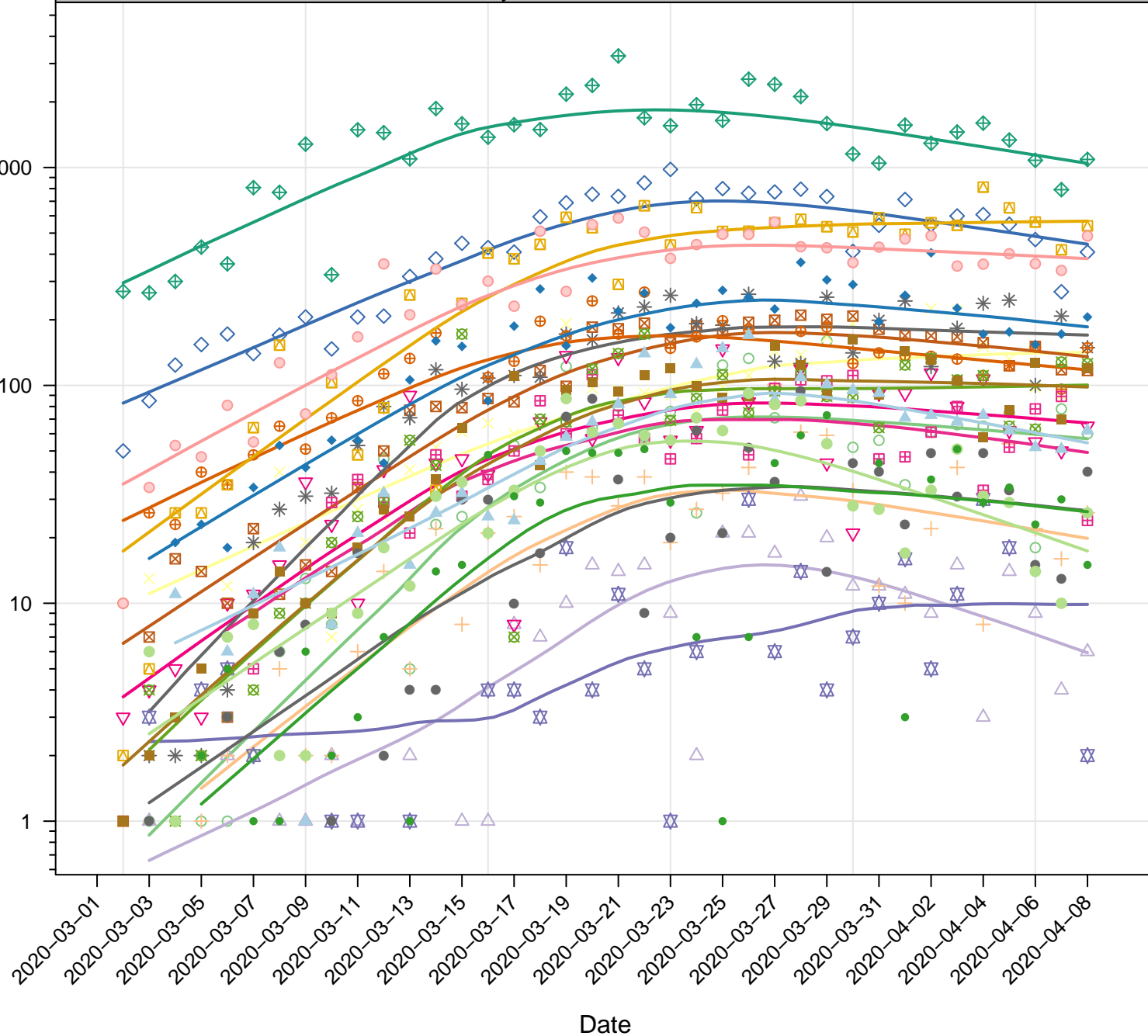


## Countries

- Abruzzo
- Basilicata
- Calabria
- Campania
- Emilia-Romagna
- Friuli Venezia Giulia
- Lazio
- Liguria
- Lombardia
- Marche
- Molise
- P.A. Bolzano
- P.A. Trento
- Piemonte
- Puglia
- Sardegna
- Sicilia
- Toscana
- Umbria
- Valle d'Aosta
- Veneto

number of new COVID-19 cases

# ITALY – Newly confirmed cases of COVID-19

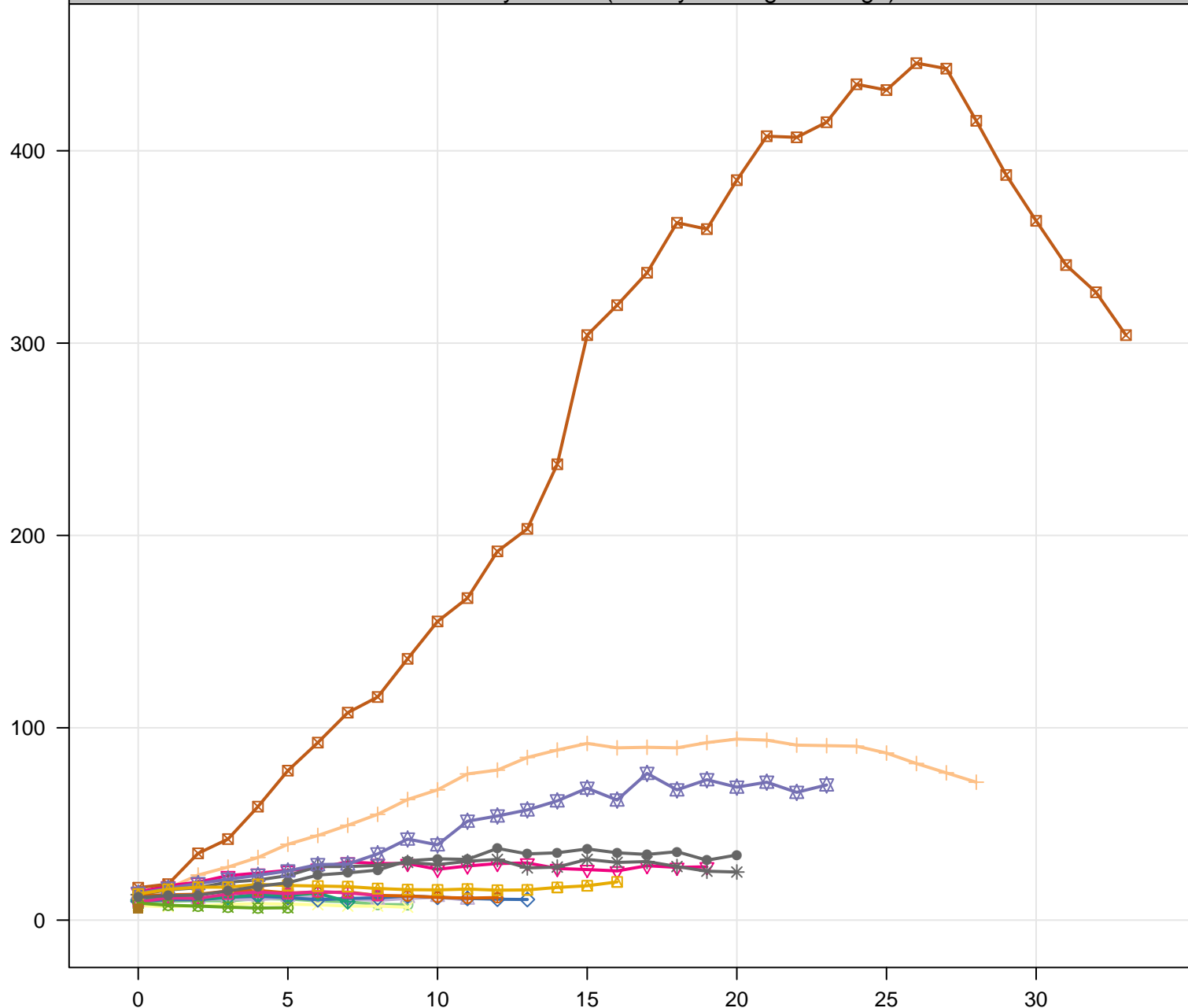


## Countries

- Abruzzo
- Basilicata
- Calabria
- Campania
- Emilia–Romagna
- Friuli Venezia Giulia
- Lazio
- Liguria
- Lombardia
- Marche
- Molise
- P.A. Bolzano
- P.A. Trento
- Piemonte
- Puglia
- Sardegna
- Sicilia
- Toscana
- Umbria
- Valle d'Aosta
- Veneto

ITALY – Daily deaths (weekly moving average)

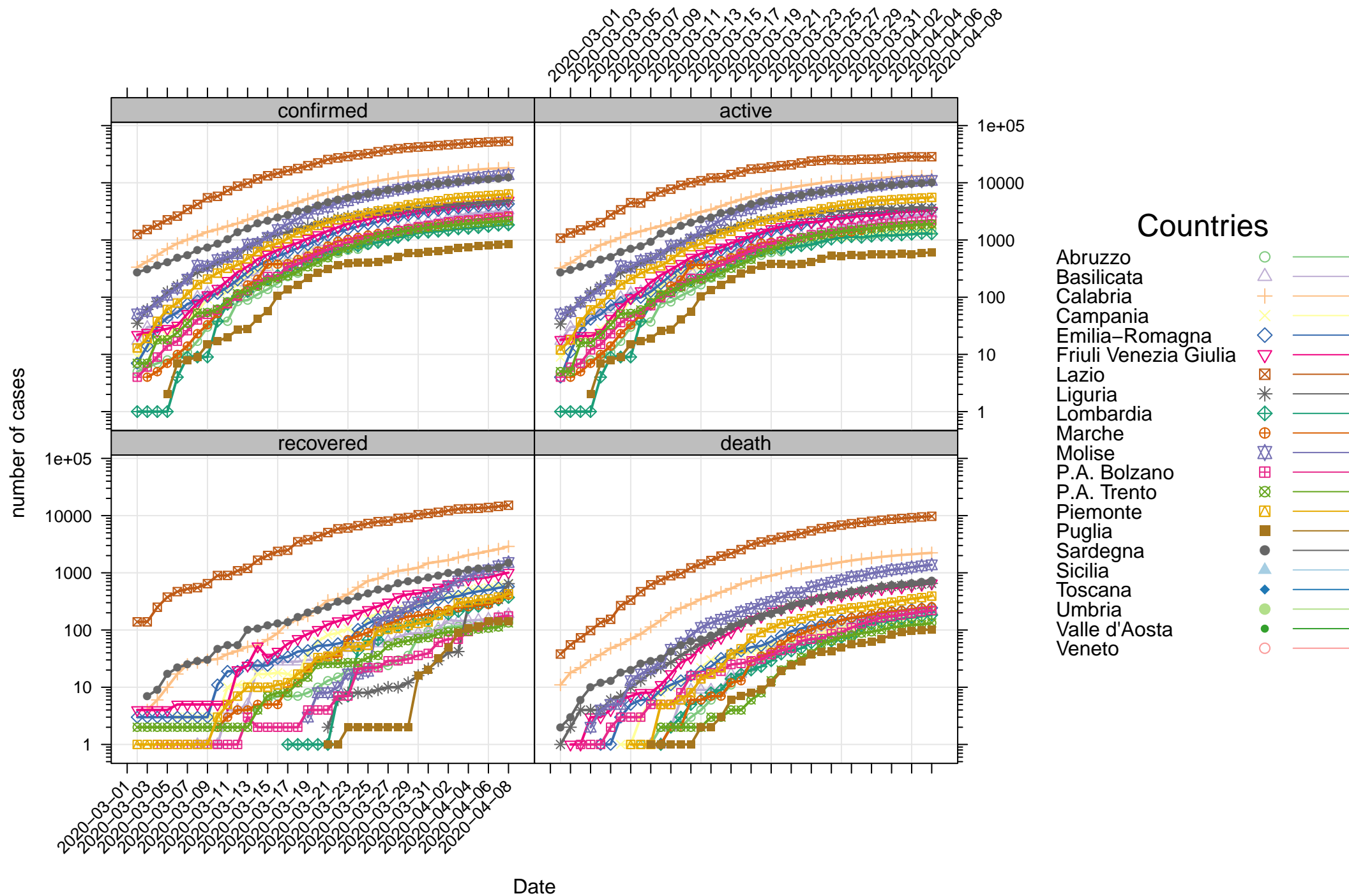
number of cases (7 days rolling mean)

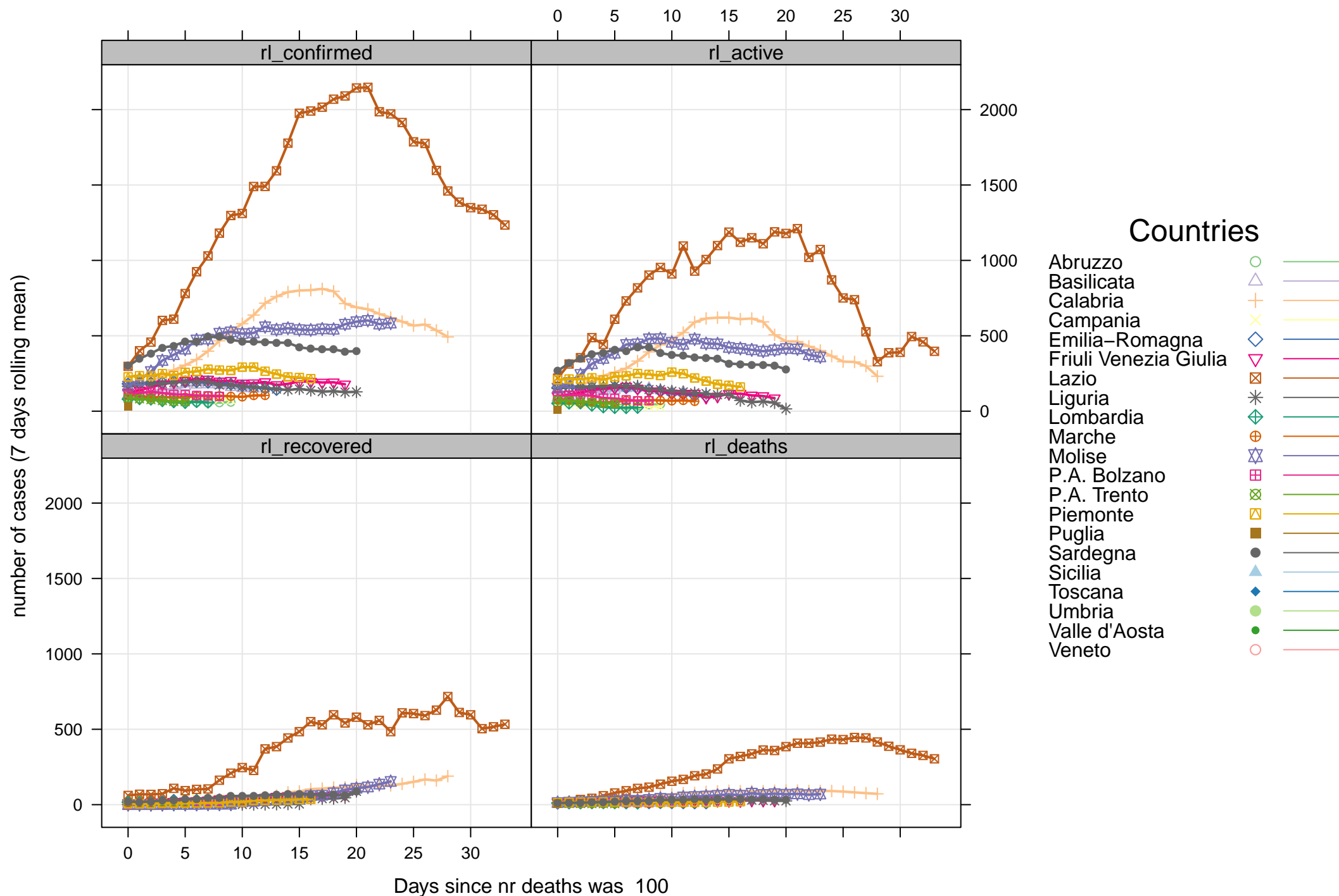


## Countries

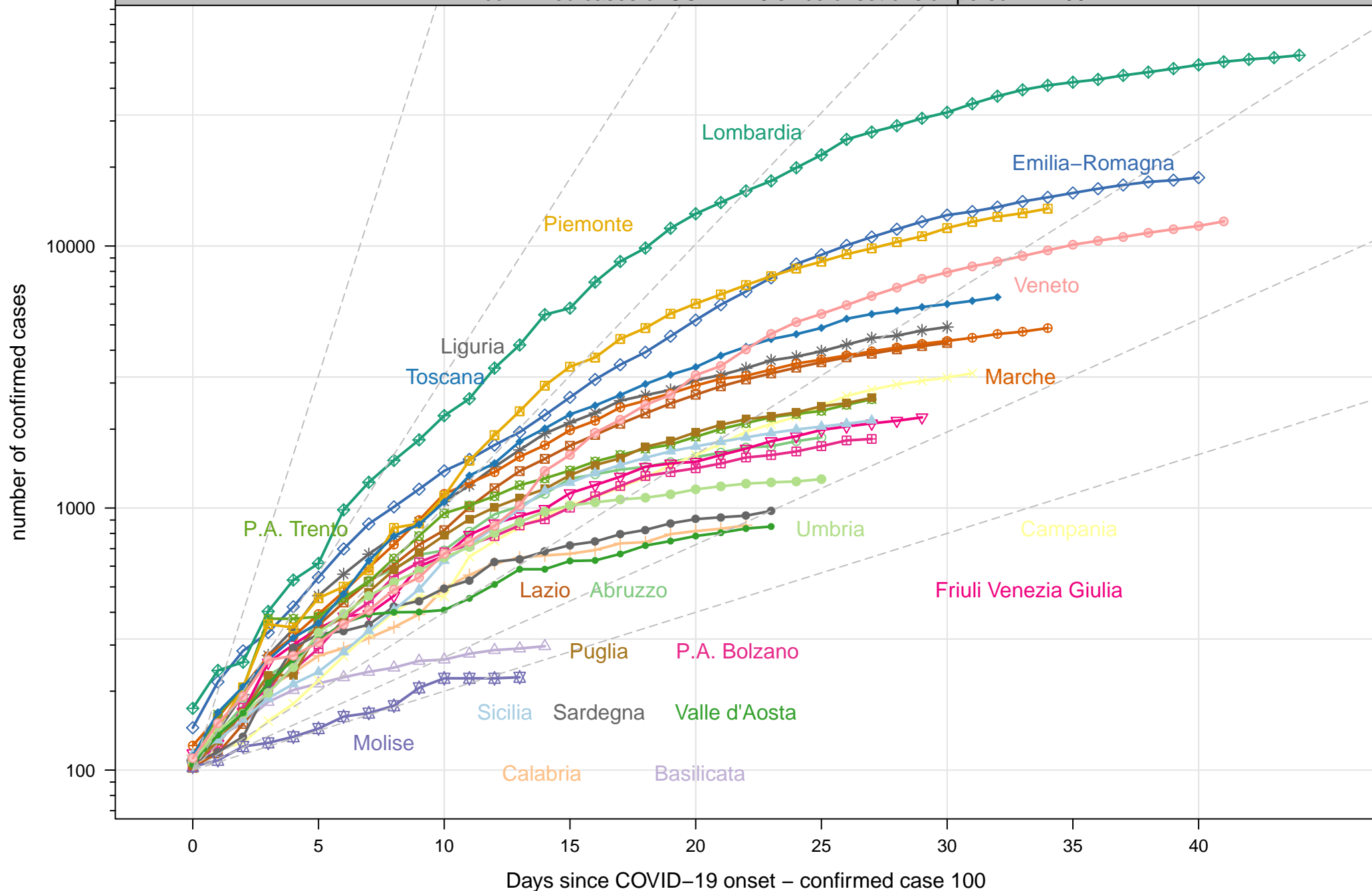
- Abruzzo
- Basilicata
- Calabria
- Campania
- Emilia-Romagna
- Friuli Venezia Giulia
- Lazio
- Liguria
- Lombardia
- Marche
- Molise
- P.A. Bolzano
- P.A. Trento
- Piemonte
- Puglia
- Sardegna
- Sicilia
- Toscana
- Umbria
- Valle d'Aosta
- Veneto

Days since nr deaths was 100

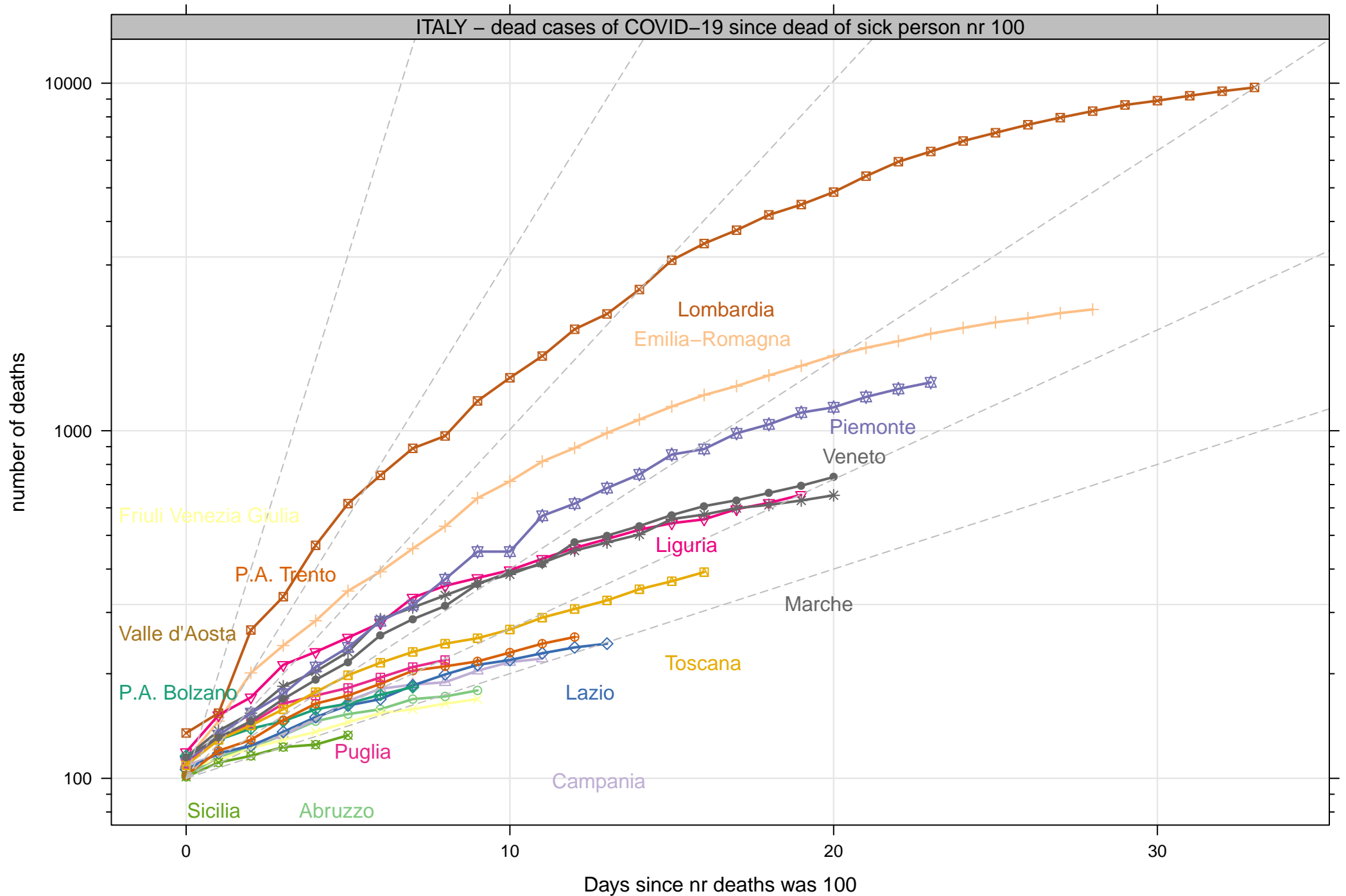




ITALY – confirmed cases of COVID-19 since onset of sick person nr 100







ITALY – recovered cases of COVID-19 since recovered of sick person nr 100

number of recovered

10000

1000

100

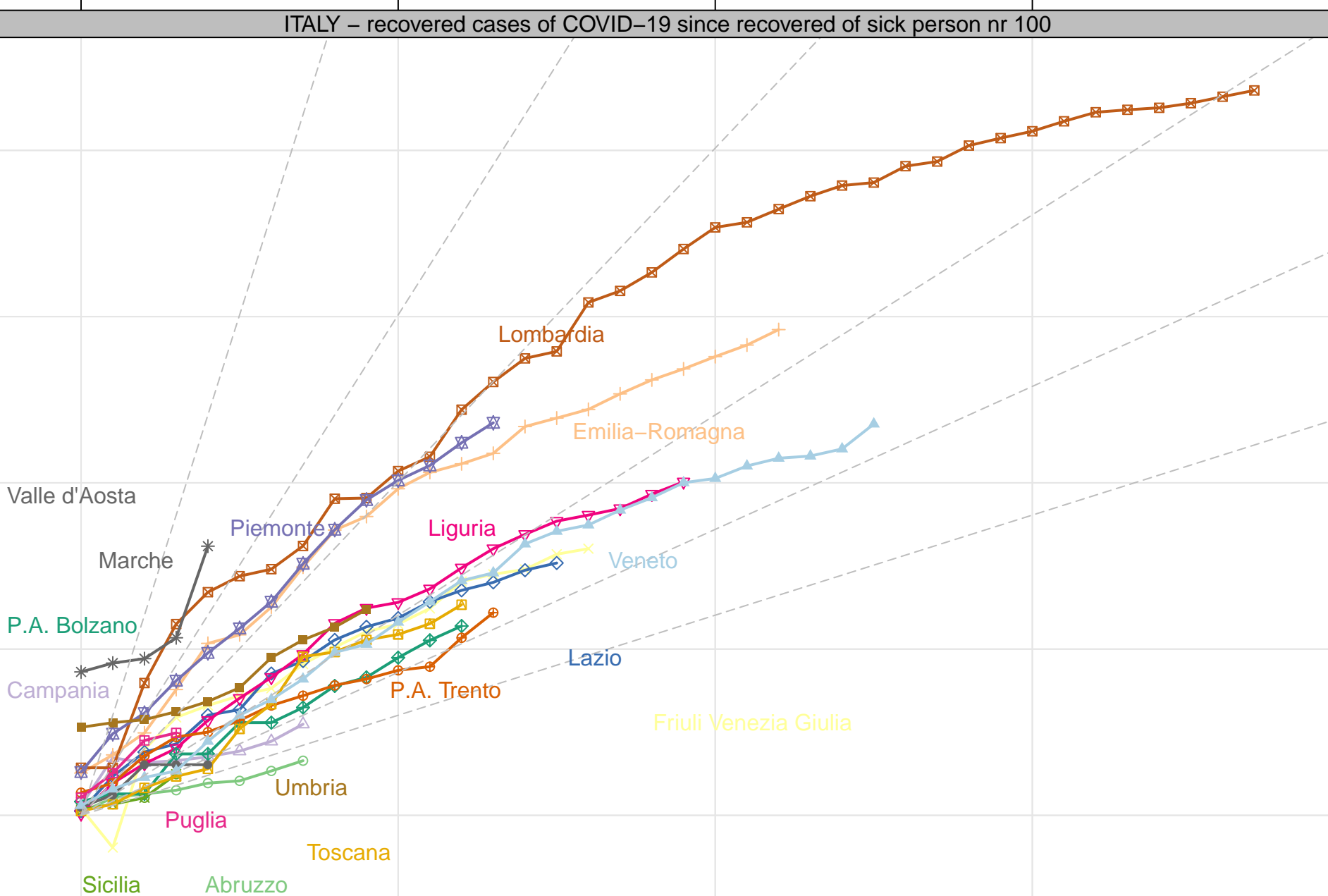
0

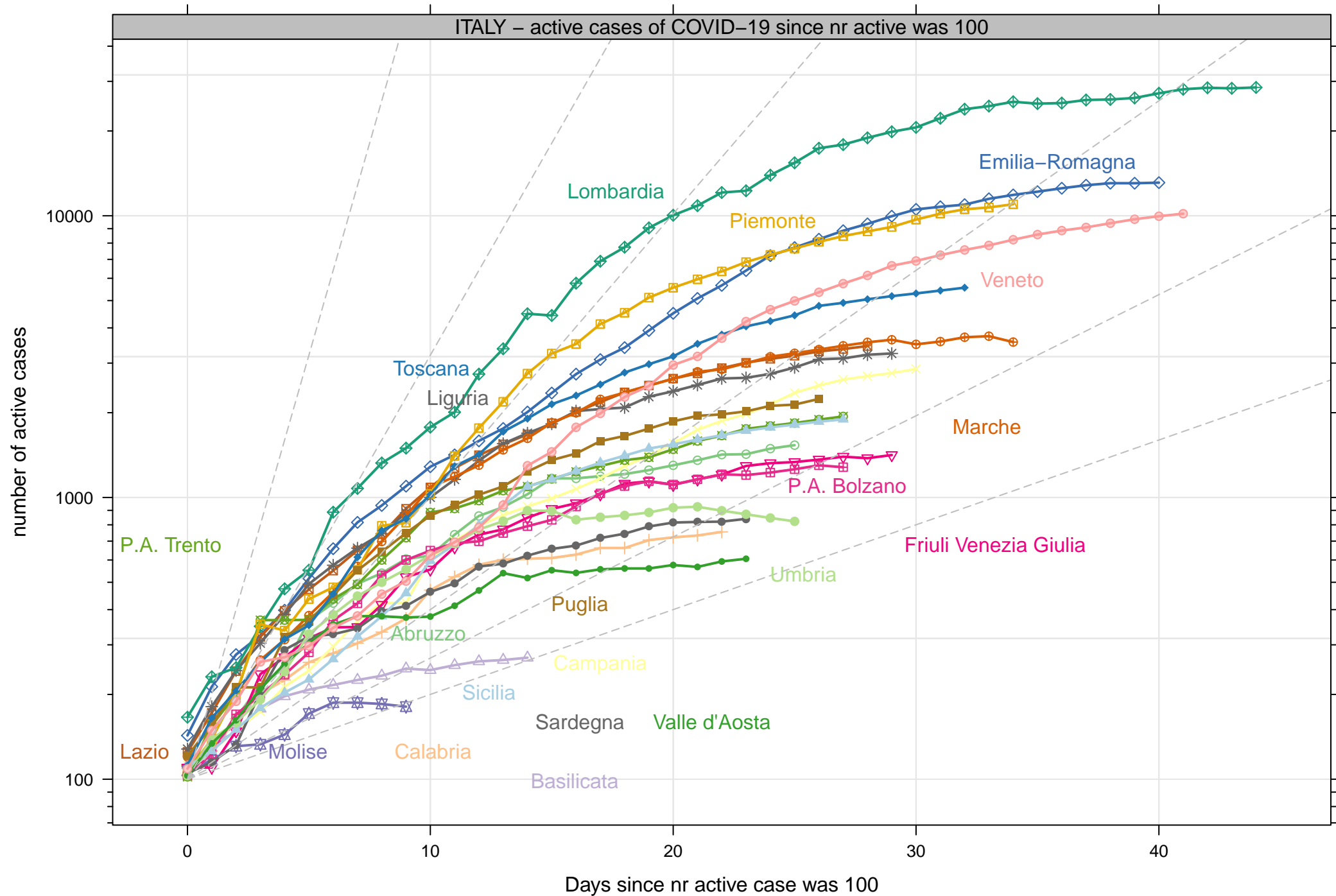
10

20

30

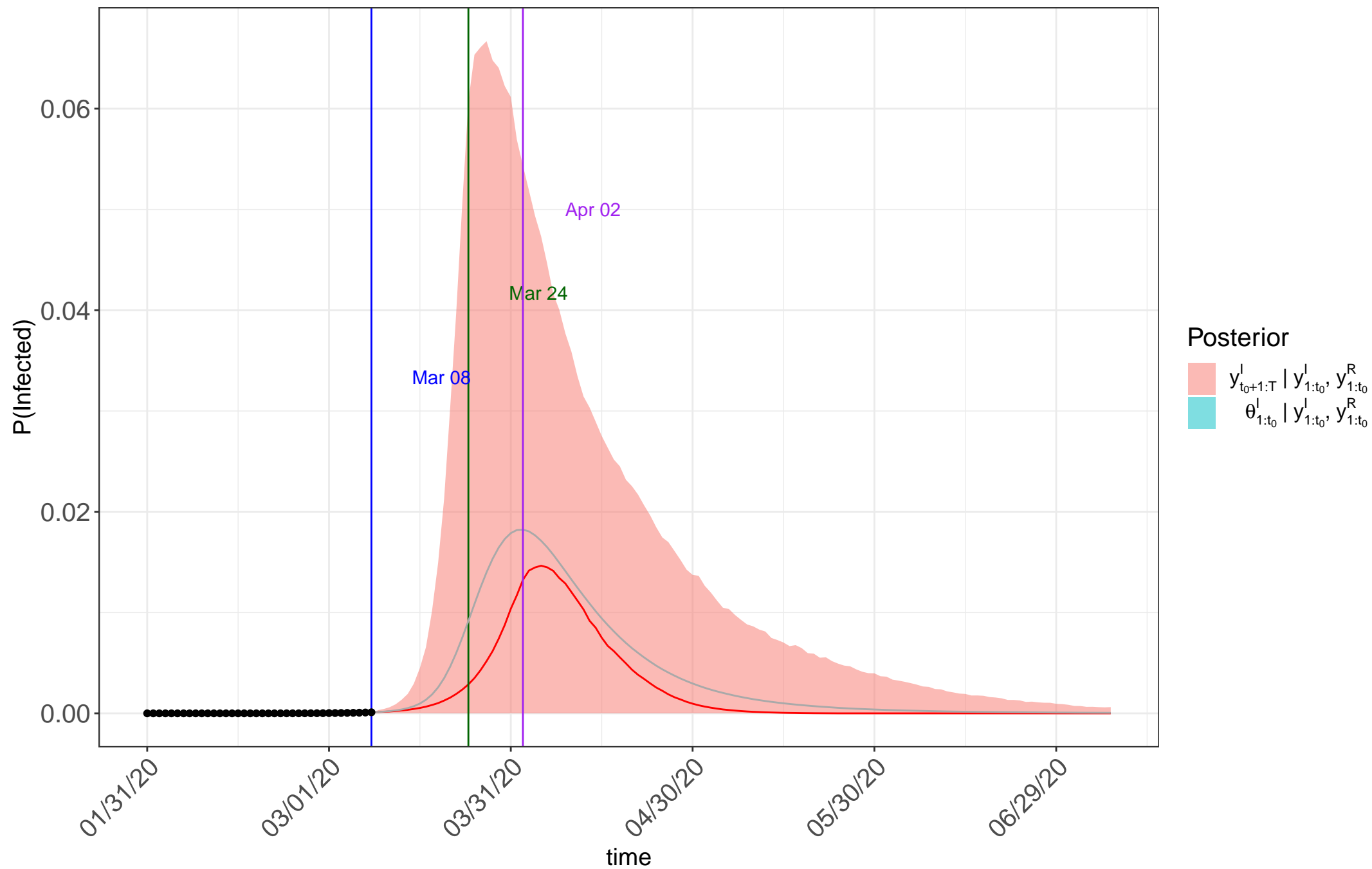
Days since nr recovered case was 100





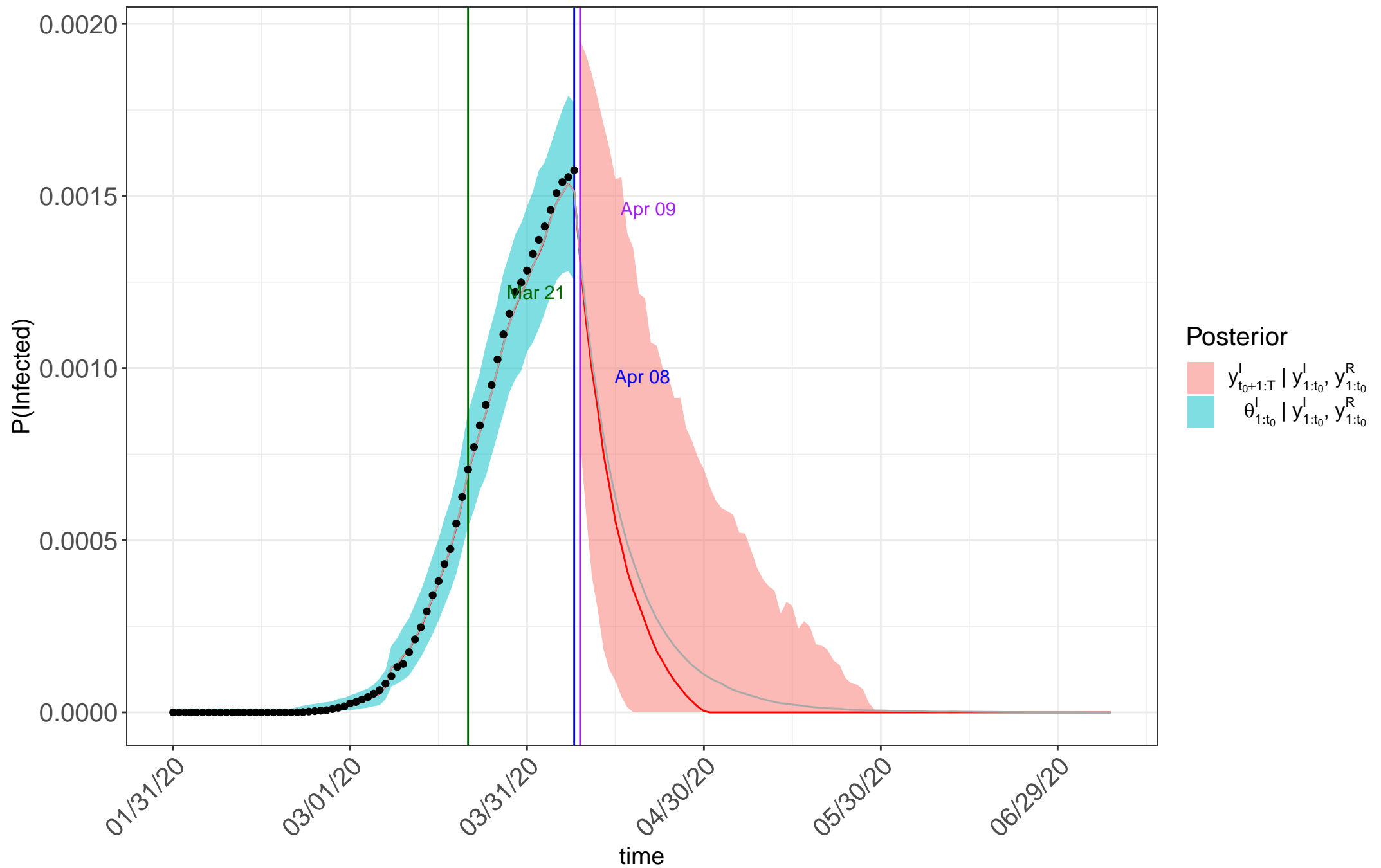
# Italy\_herd\_immunity: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior  $\beta_p=1.13, \gamma_p=0.793$  and  $R_0=1.43$



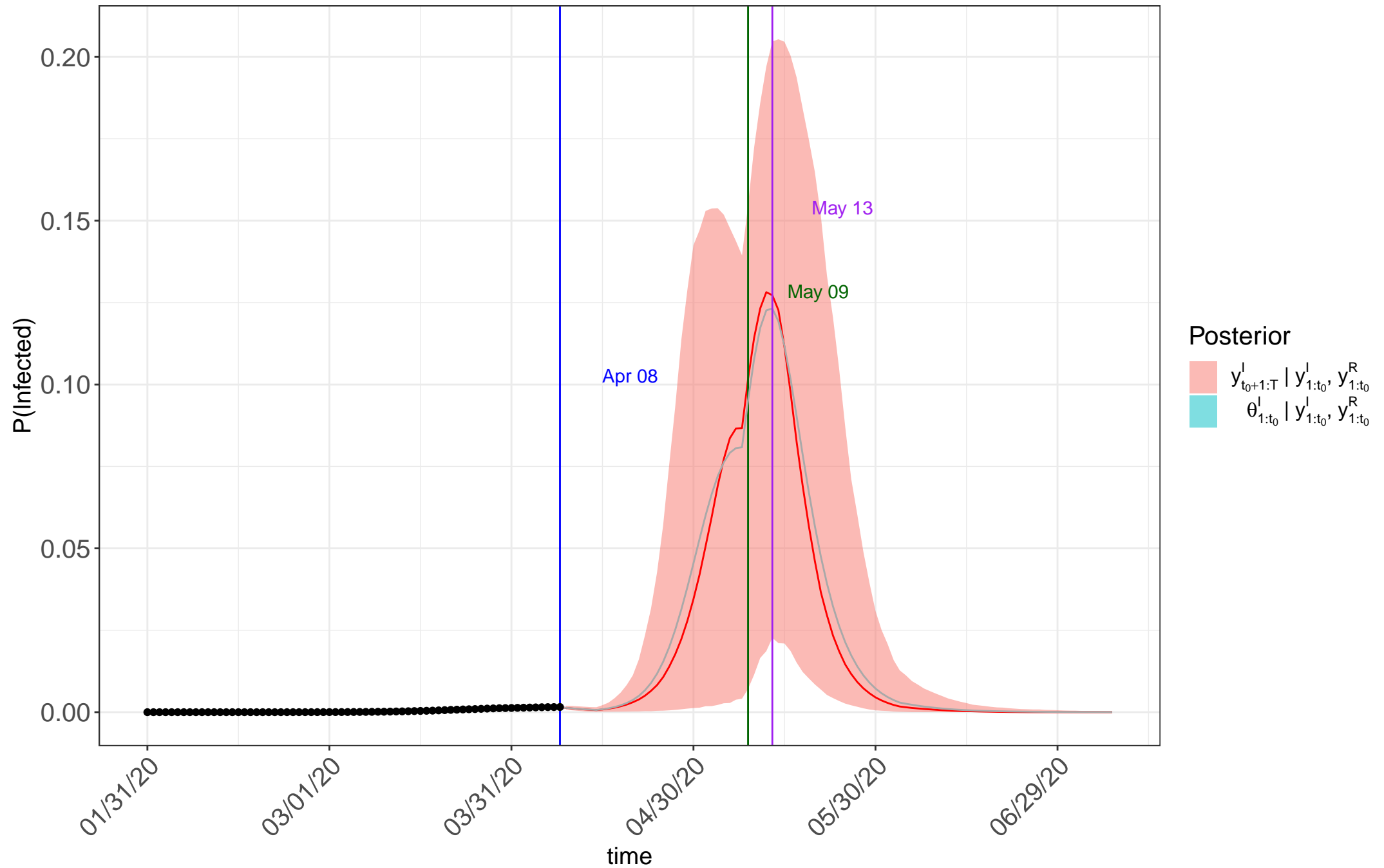
# Italy\_lockdown: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior  $\beta_p=1.59, \gamma_p=0.369$  and  $R_0=4.33$



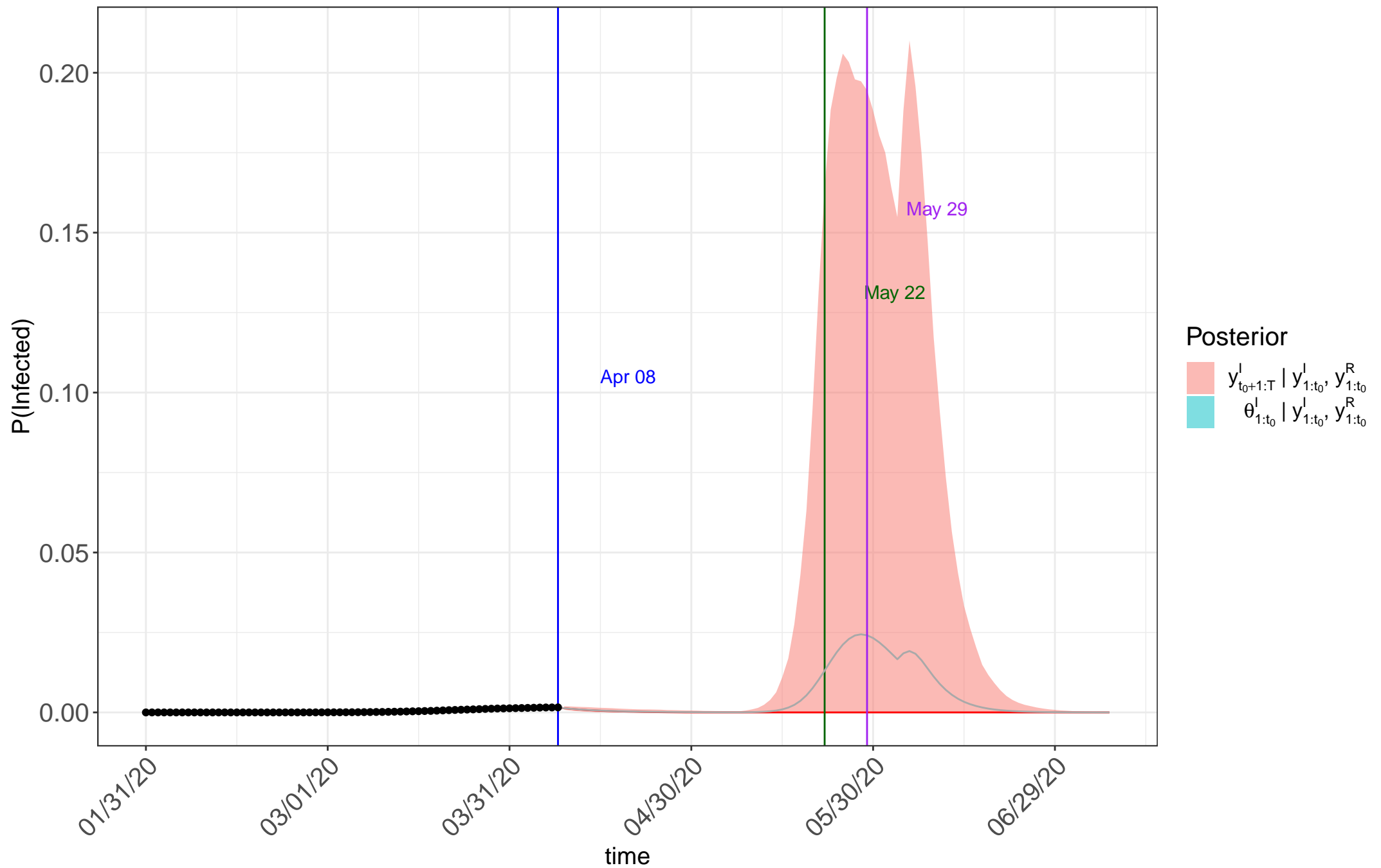
# Italyafter\_easter\_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior  $\beta_p=1.65, \gamma_p=0.382$  and  $R_0=4.33$



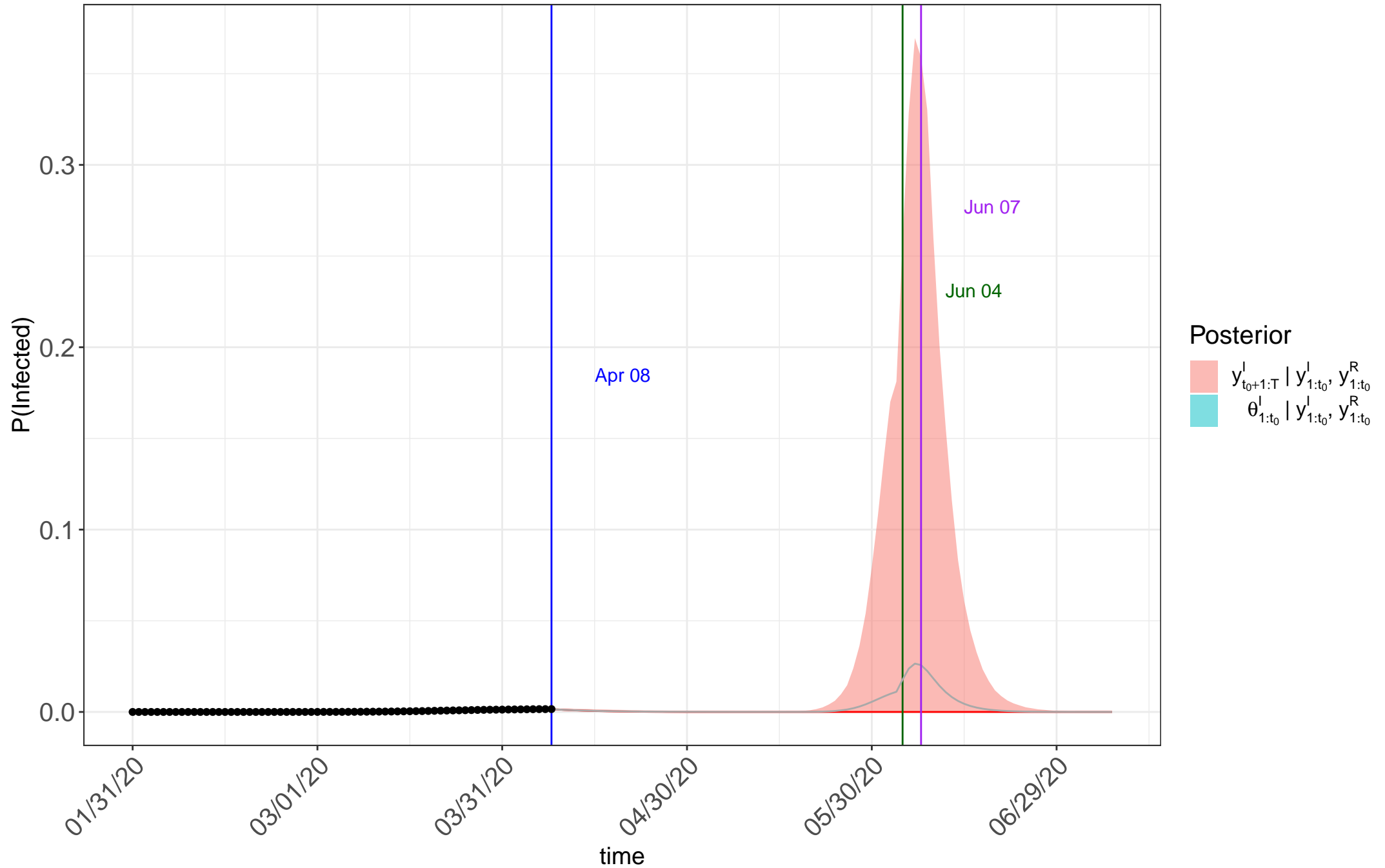
Italystep\_after\_1\_may\_reopen: infection forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

Posterior  $\beta_p=1.68, \gamma_p=0.39$  and  $R_0=4.32$



# Italy\_after\_1\_may\_and\_18\_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

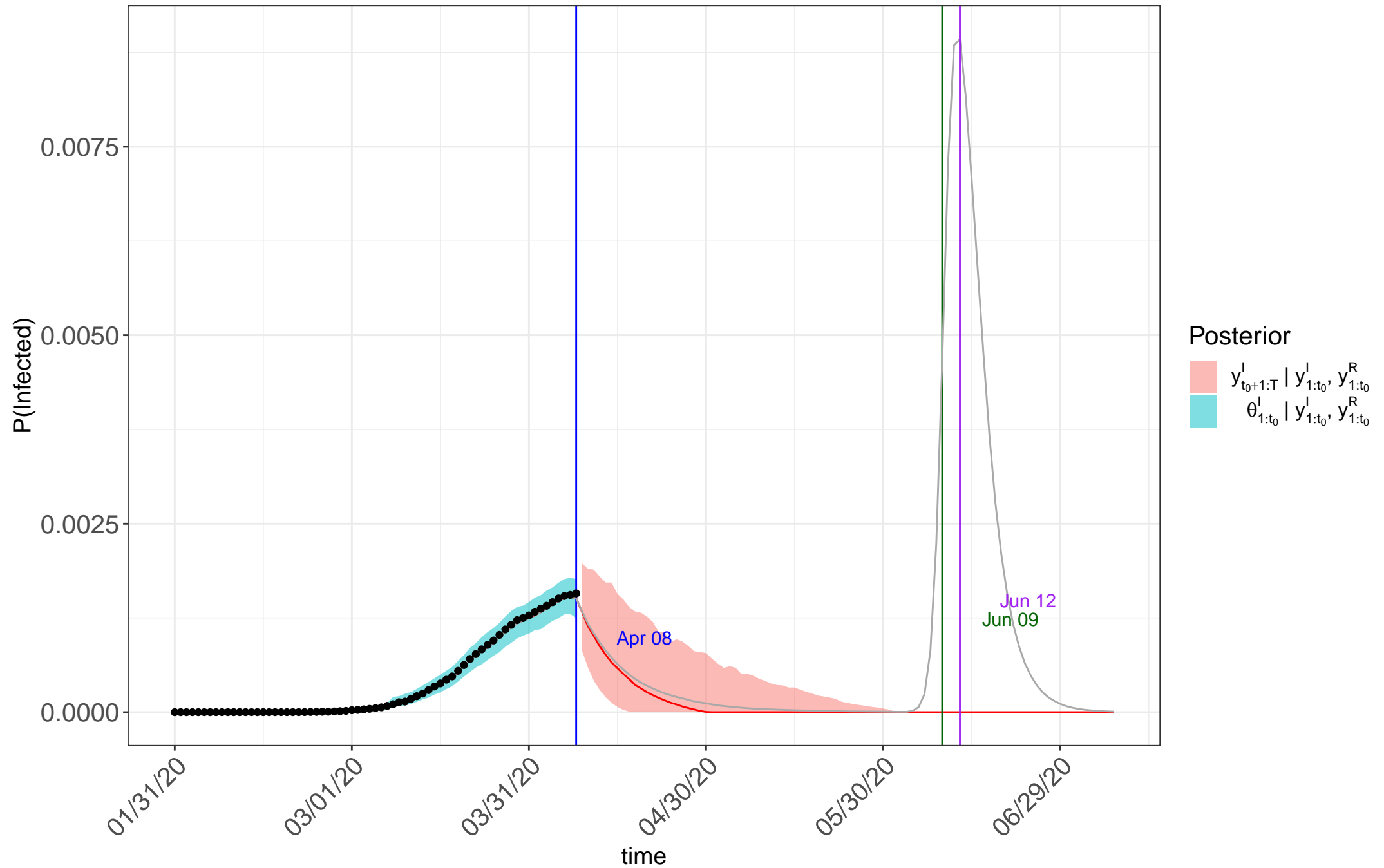
Posterior  $\beta_p=1.67, \gamma_p=0.388$  and  $R_0=4.32$





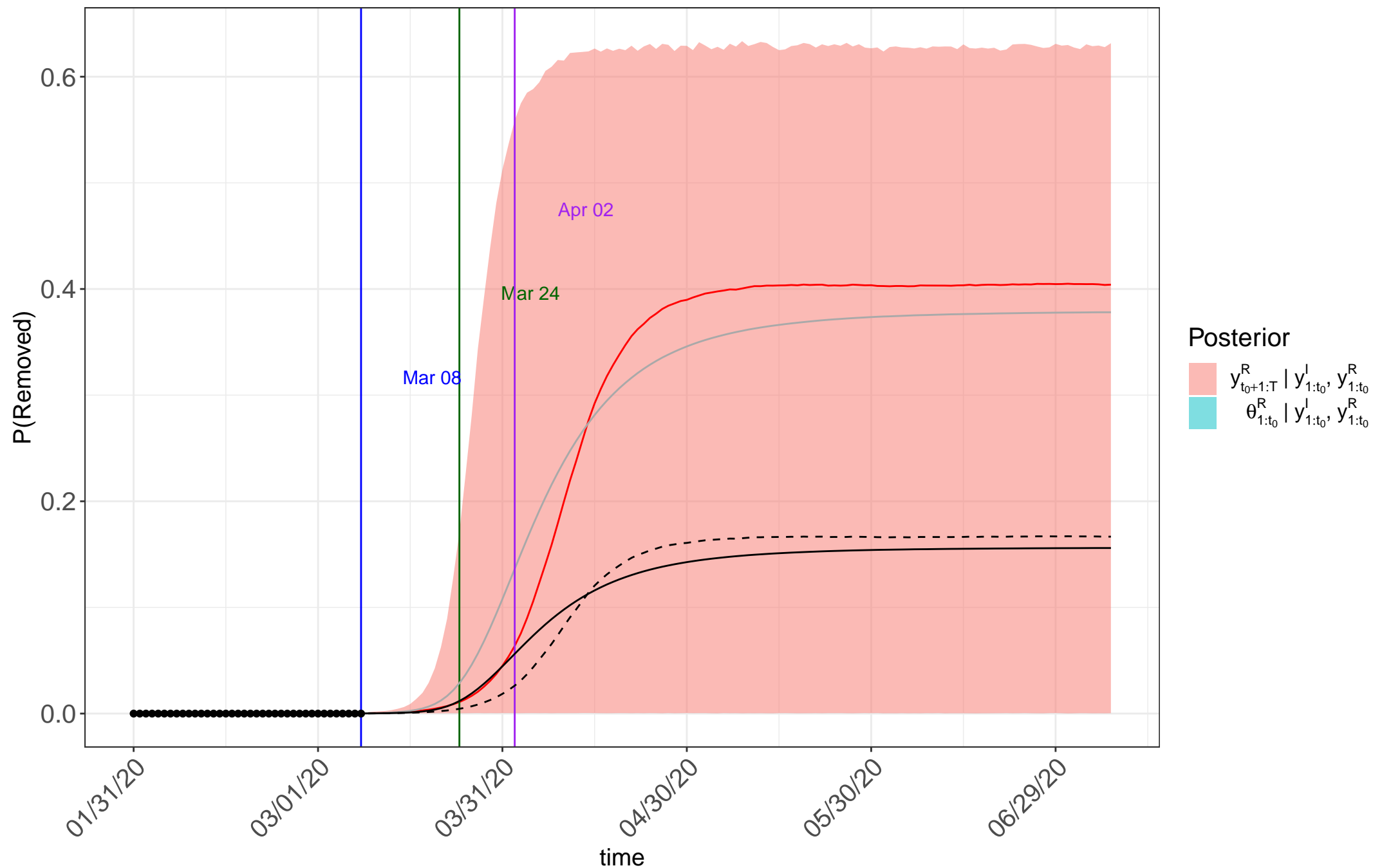
# Italyafter\_2\_june\_reopen: infection forecast with prior $\beta_0=1, \gamma_0=0.861$ and $R_0=1.16$

Posterior  $\beta_p=1.57, \gamma_p=0.361$  and  $R_0=4.37$



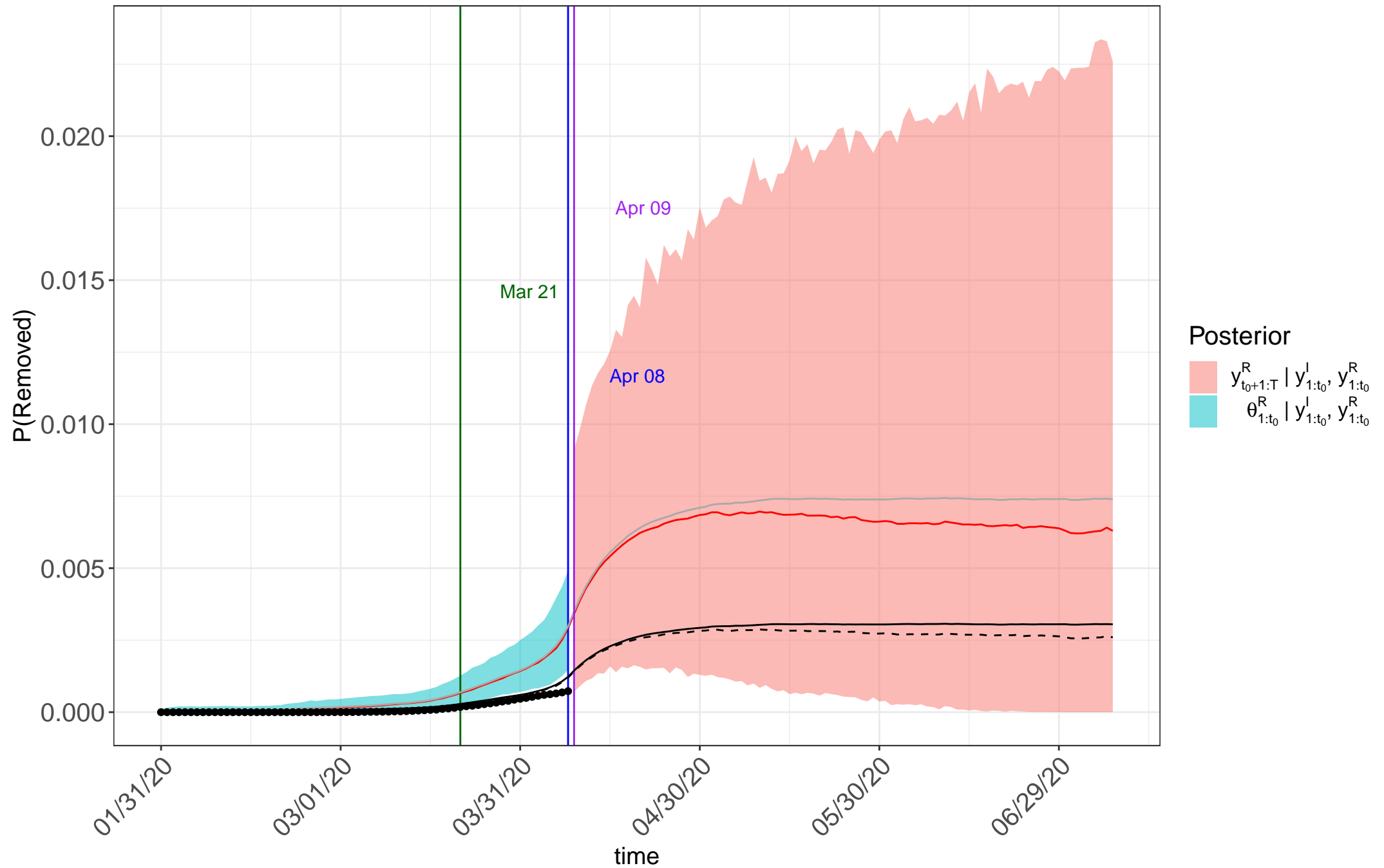
Italy\_herd\_immunity: removed forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

posterior:  $\beta_p=1.13, \gamma_p=0.793$  and  $R_0=1.43$



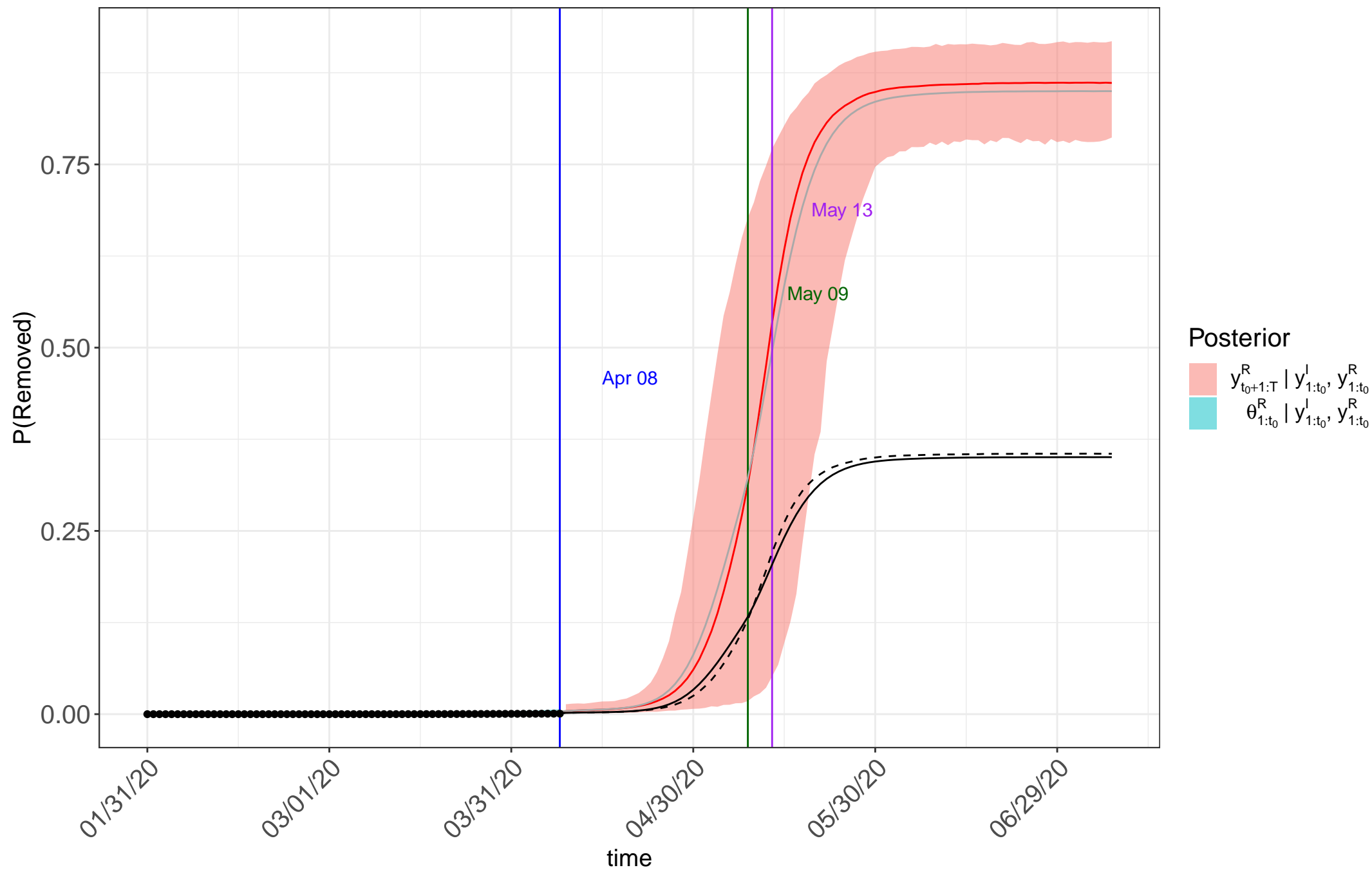
Italy\_lockdown: removed forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

posterior:  $\beta_p=1.59, \gamma_p=0.369$  and  $R_0=4.33$



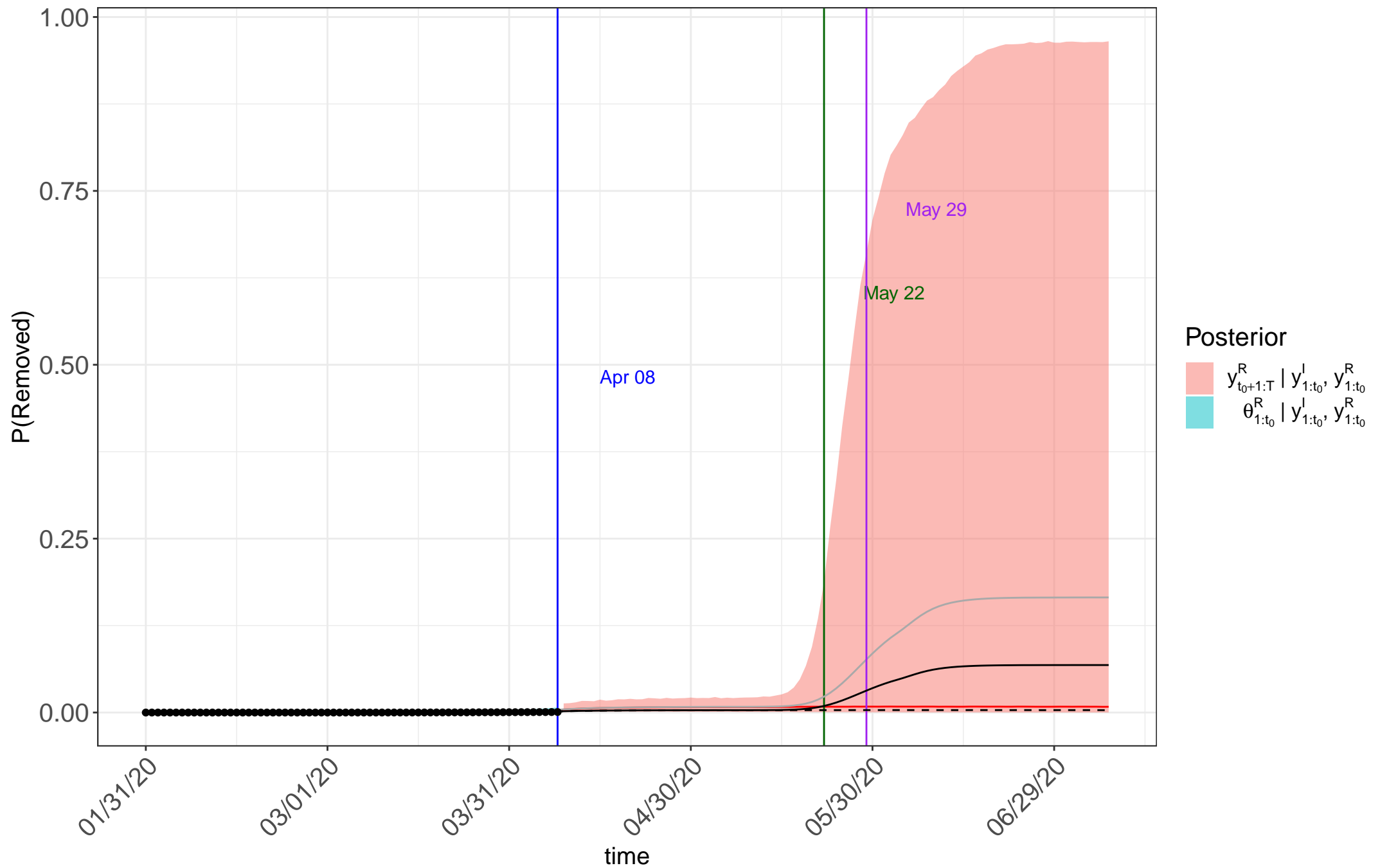
Italyafter\_easter\_reopen: removed forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

posterior:  $\beta_p=1.65, \gamma_p=0.382$  and  $R_0=4.33$



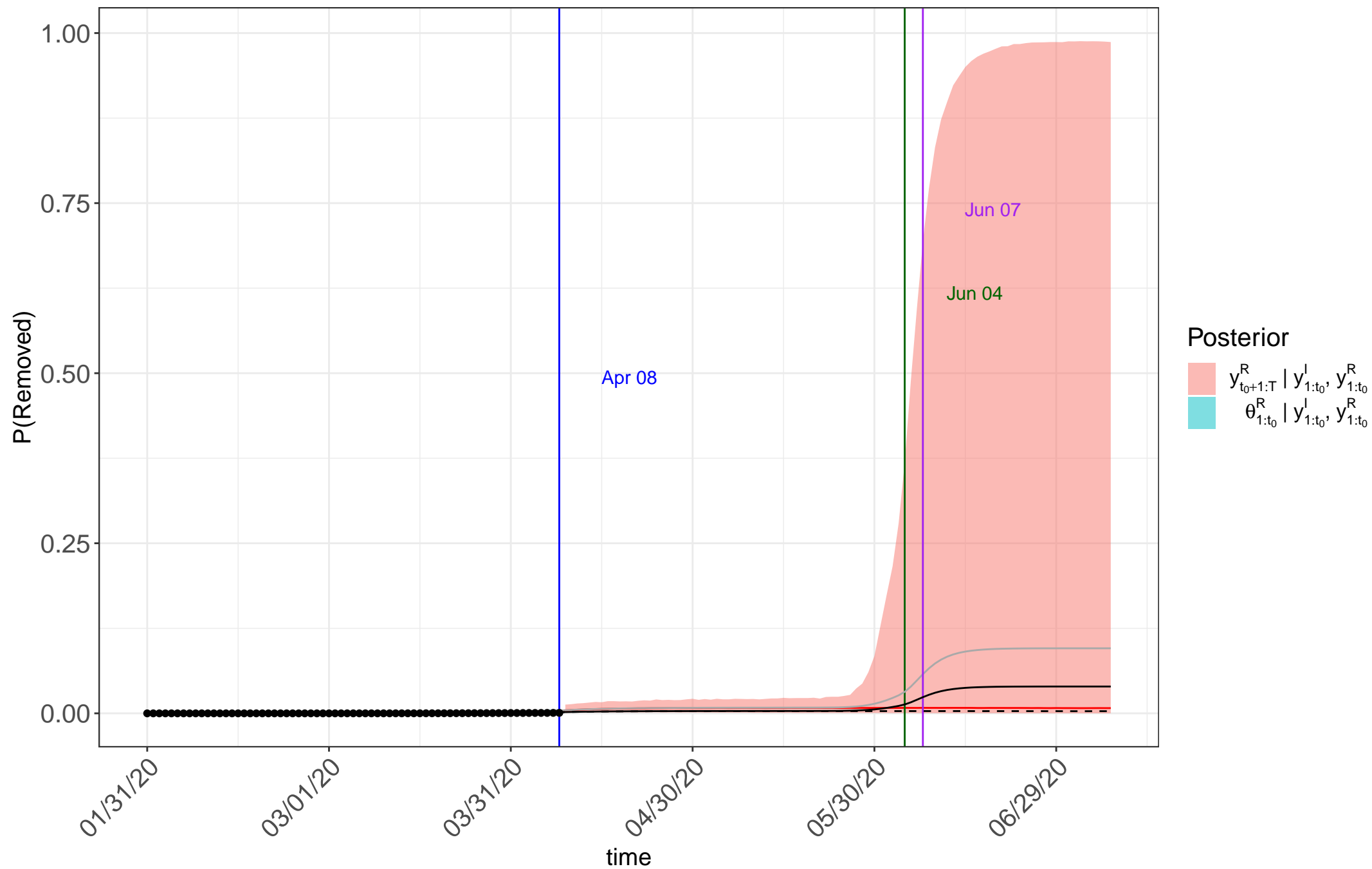
Italystep\_after\_1\_may\_reopen: removed forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

posterior:  $\beta_p=1.68, \gamma_p=0.39$  and  $R_0=4.32$



Italy\_after\_1\_may\_and\_18\_reopen: removed forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

posterior:  $\beta_p=1.67, \gamma_p=0.388$  and  $R_0=4.32$



Italyafter\_2\_june\_reopen: removed forecast with prior  $\beta_0=1, \gamma_0=0.861$  and  $R_0=1.16$

posterior:  $\beta_p=1.57, \gamma_p=0.361$  and  $R_0=4.37$

