

## Data Insights: Covid-2019 Monitor

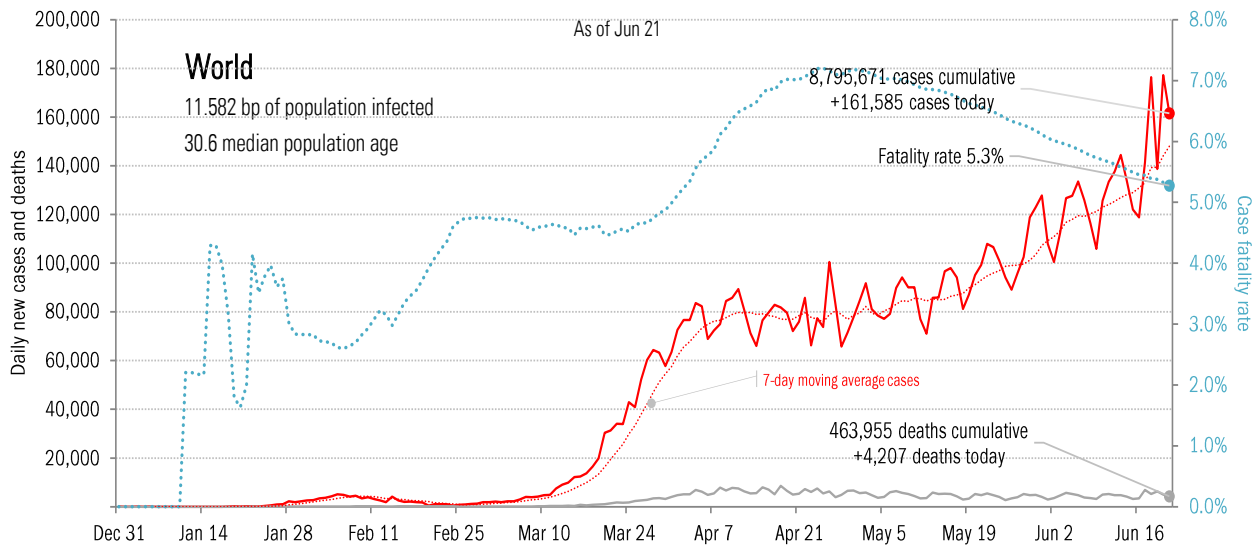
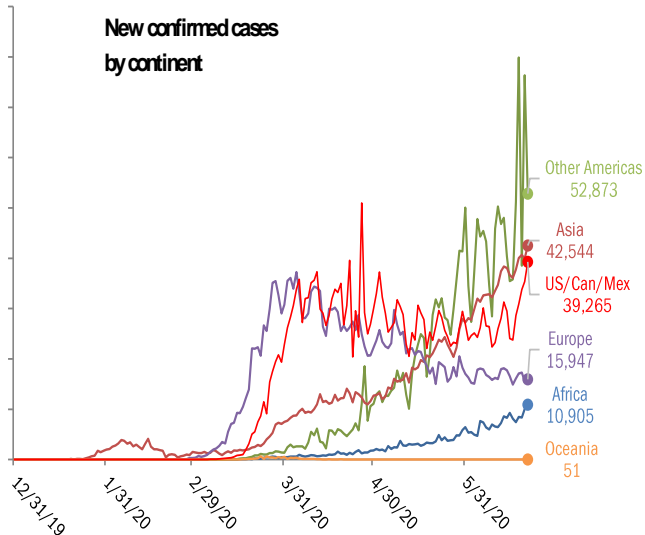
Sunday, June 21, 2020

### The global scorecard

#### The worst ten countries

| New cases       |          | New Deaths    |        |
|-----------------|----------|---------------|--------|
| Brazil          | +34,666  | Brazil        | +1,022 |
| US              | +34,158  | US            | +607   |
| India           | +15,413  | Mexico        | +387   |
| Russia          | +7,889   | India         | +306   |
| Chile           | +5,355   | Chile         | +202   |
| South_Africa    | +4,966   | Peru          | +201   |
| Pakistan        | +4,951   | Iraq          | +157   |
| Mexico          | +4,717   | UK            | +128   |
| Saudi           | +3,941   | Pakistan      | +119   |
| Iraq            | +3,505   | Iran          | +115   |
| <b>+119,561</b> |          | <b>+3,244</b> |        |
| World           | +161,585 | World         | +4,207 |
| Top ten         | 74%      | Top ten       | 77%    |

#### New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

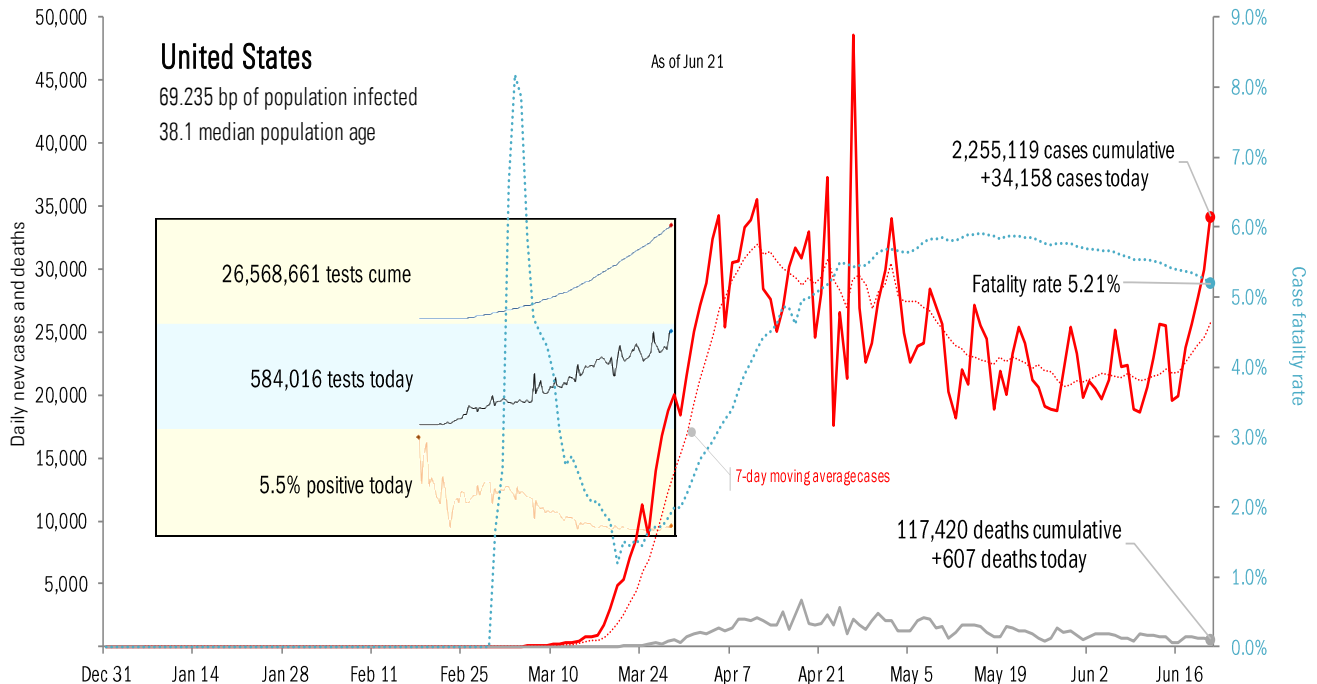
National and state-by-state data do not line up because of different sources

## The ten worst US states

| New cases      |         | New Deaths  |      | New in hospital |      | Cume cases       |           | Cume deaths   |         | Cume in hospital |         |
|----------------|---------|-------------|------|-----------------|------|------------------|-----------|---------------|---------|------------------|---------|
| TX             | +4,430  | IL          | +111 | FL              | +165 | NY               | 387,272   | NY            | 24,710  | NY               | 89,995  |
| FL             | +4,049  | CA          | +64  | AZ              | +91  | CA               | 169,309   | NJ            | 12,857  | NJ               | 19,267  |
| CA             | +3,893  | FL          | +40  | GA              | +65  | NJ               | 168,834   | MA            | 7,828   | FL               | 13,227  |
| AZ             | +3,109  | CH          | +30  | VA              | +62  | IL               | 137,104   | IL            | 6,829   | MA               | 11,076  |
| GA             | +1,800  | MA          | +28  | MD              | +50  | TX               | 107,735   | PA            | 6,419   | MD               | 10,497  |
| NC             | +1,549  | AZ          | +26  | WA              | +44  | MA               | 106,936   | MI            | 6,087   | CT               | 10,099  |
| SC             | +1,155  | TX          | +25  | MA              | +40  | FL               | 93,797    | CA            | 5,424   | GA               | 9,837   |
| LA             | +870    | NY          | +24  | NE              | +34  | PA               | 81,266    | CT            | 4,251   | VA               | 8,487   |
| NY             | +716    | MD          | +22  | CH              | +34  | MI               | 67,545    | FL            | 3,237   | CH               | 7,201   |
| VA             | +650    | NJ          | +22  | KY              | +28  | MD               | 63,956    | LA            | 3,104   | IN               | 6,755   |
| <b>+22,221</b> |         | <b>+392</b> |      | <b>+613</b>     |      | <b>1,383,754</b> |           | <b>80,746</b> |         | <b>186,441</b>   |         |
| All states     | +32,325 | All states  | +630 | All states      | +830 | All states       | 2,241,990 | All states    | 113,452 | All states       | 231,743 |
| Top ten        | 69%     | Top ten     | 62%  | Top ten         | 74%  | Top ten          | 62%       | Top ten       | 71%     | Top ten          | 80%     |

## Five most improved US states

| Fewer daily cases |      | Fewer new deaths |     | Fewer new hospitalizations |      | Most recoveries |        |
|-------------------|------|------------------|-----|----------------------------|------|-----------------|--------|
| TN                | -759 | GA               | -25 | NJ                         | -257 | MI              | +4,326 |
| CA                | -424 | PA               | -18 | SC                         | -239 | TX              | +1,767 |
| KS                | -378 | AZ               | -15 | IN                         | -118 | WI              | +896   |
| AL                | -249 | NJ               | -13 | GA                         | -44  | MN              | +496   |
| IA                | -200 | SC               | -13 | OK                         | -43  | PA              | +388   |



Source: States and test data [Covid Tracking Project](#), US data [ECDC](#), TrendMacro calculations

## Recommended reading

[The infection fatality rate of COVID-19 inferred from seroprevalence data](#)

John P.A. Ioannidis  
*medRxiv*  
June 8, 2020

[Probability of symptoms and critical disease after SARSCoV-2 infection](#)

Piero Poletti et al.  
*ATS Lombardy COVID-19 Task Force*  
June 2020

## Meme of the day

**Year 2000**

**“By 2020 we will have flying cars”**



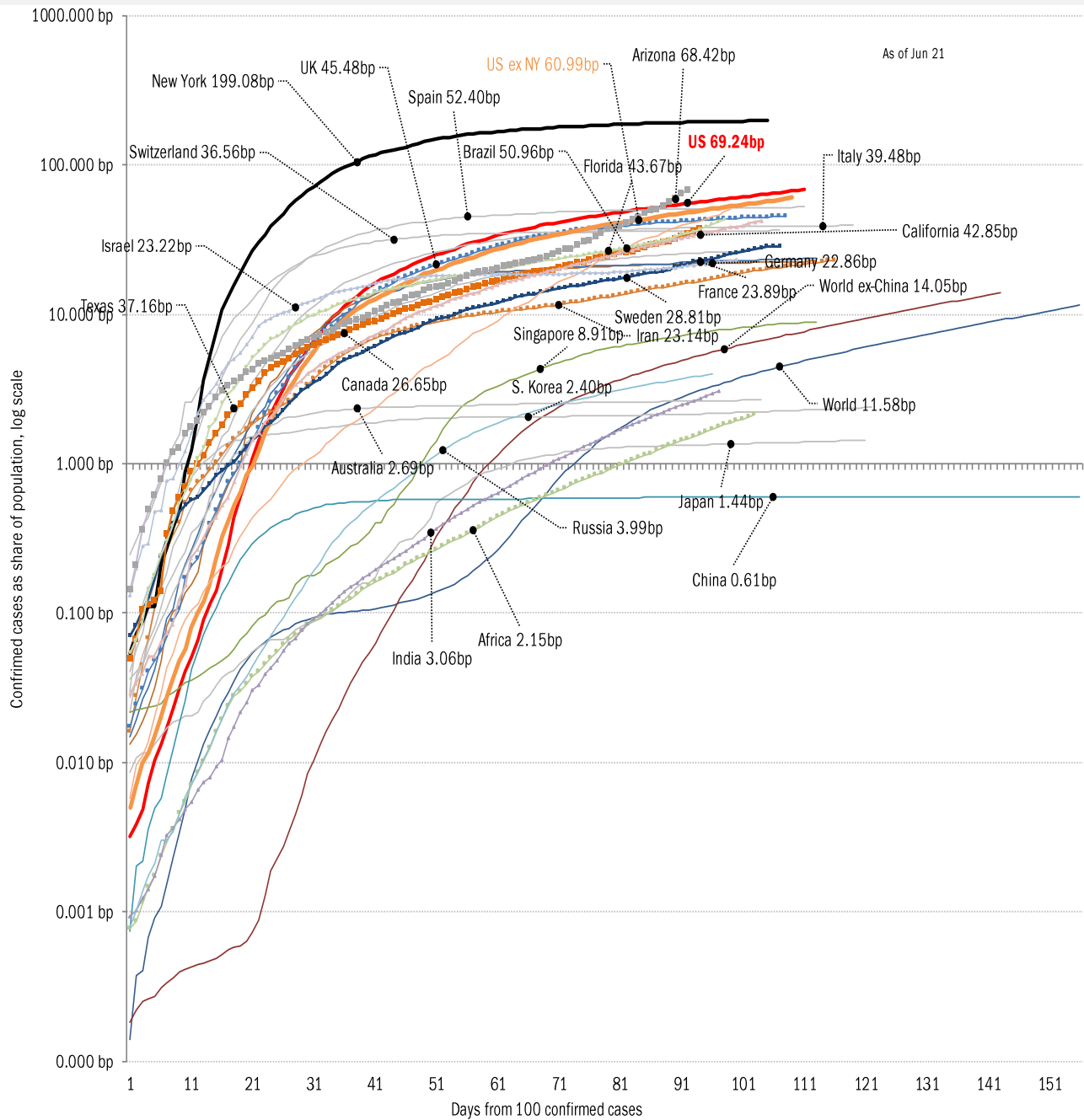
**Year 2020**

**“Even the planes are not flying”**



Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

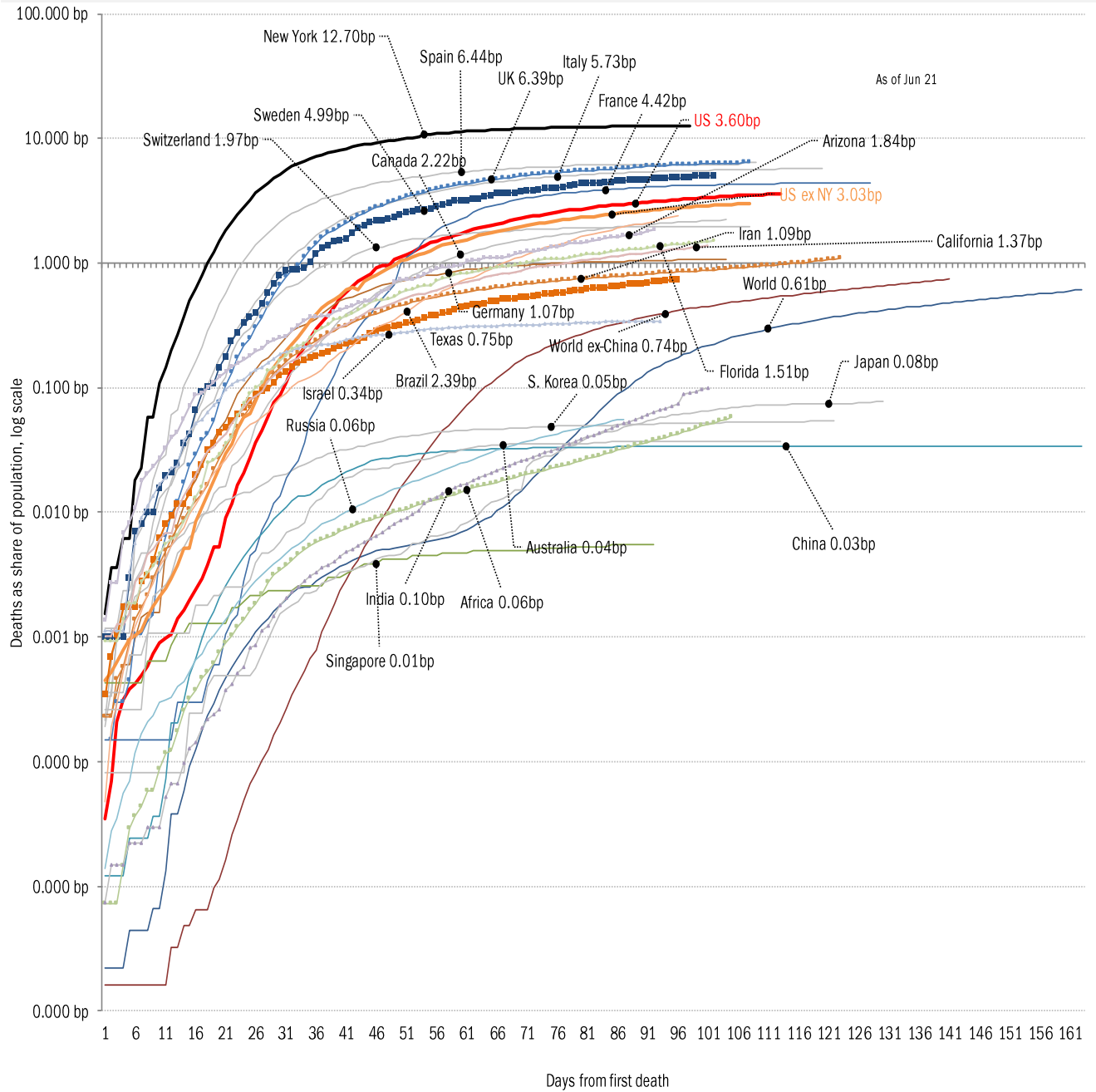
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

# The coronavirus mortality accelerometer ... tracking the world's fatality curves

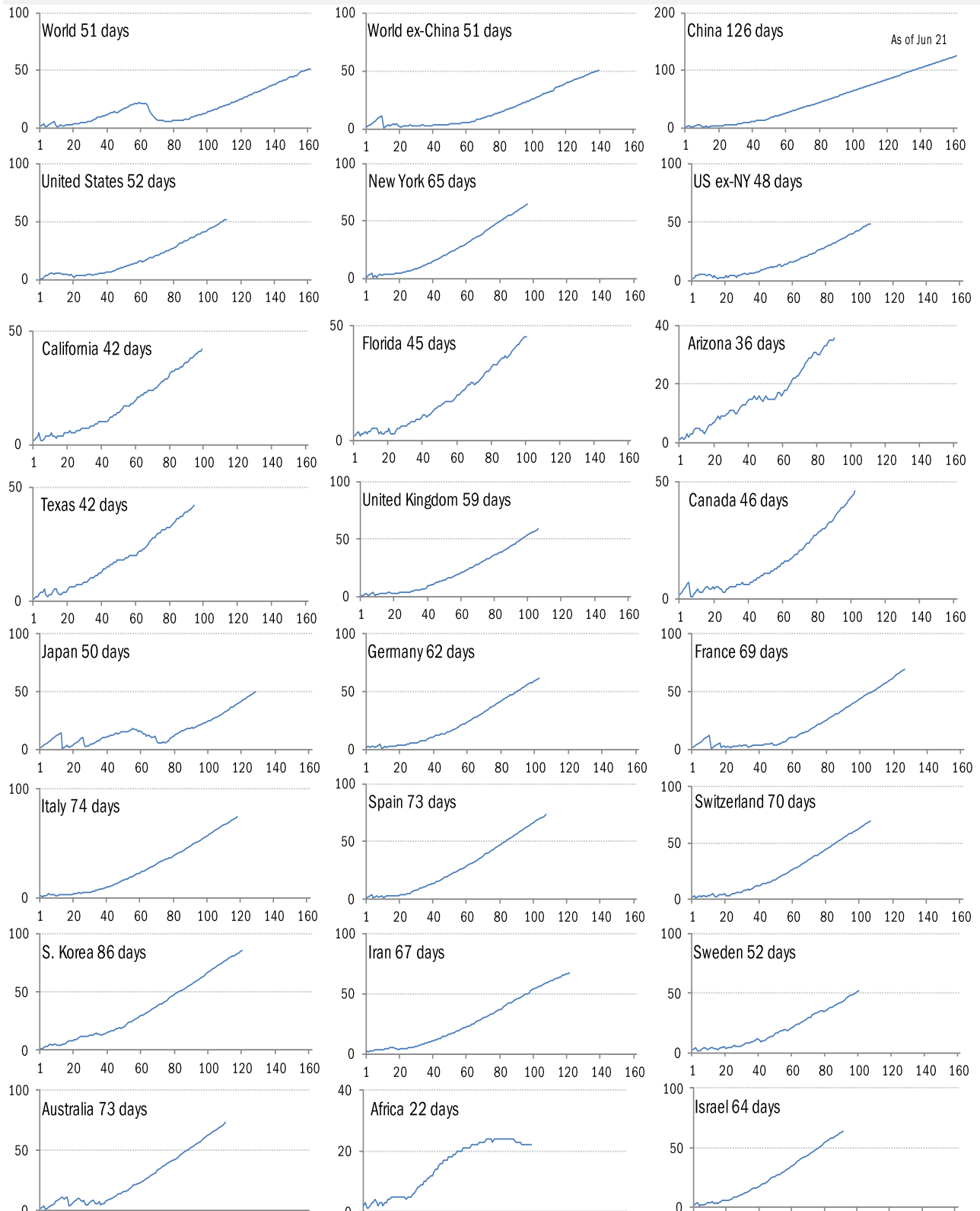
## Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

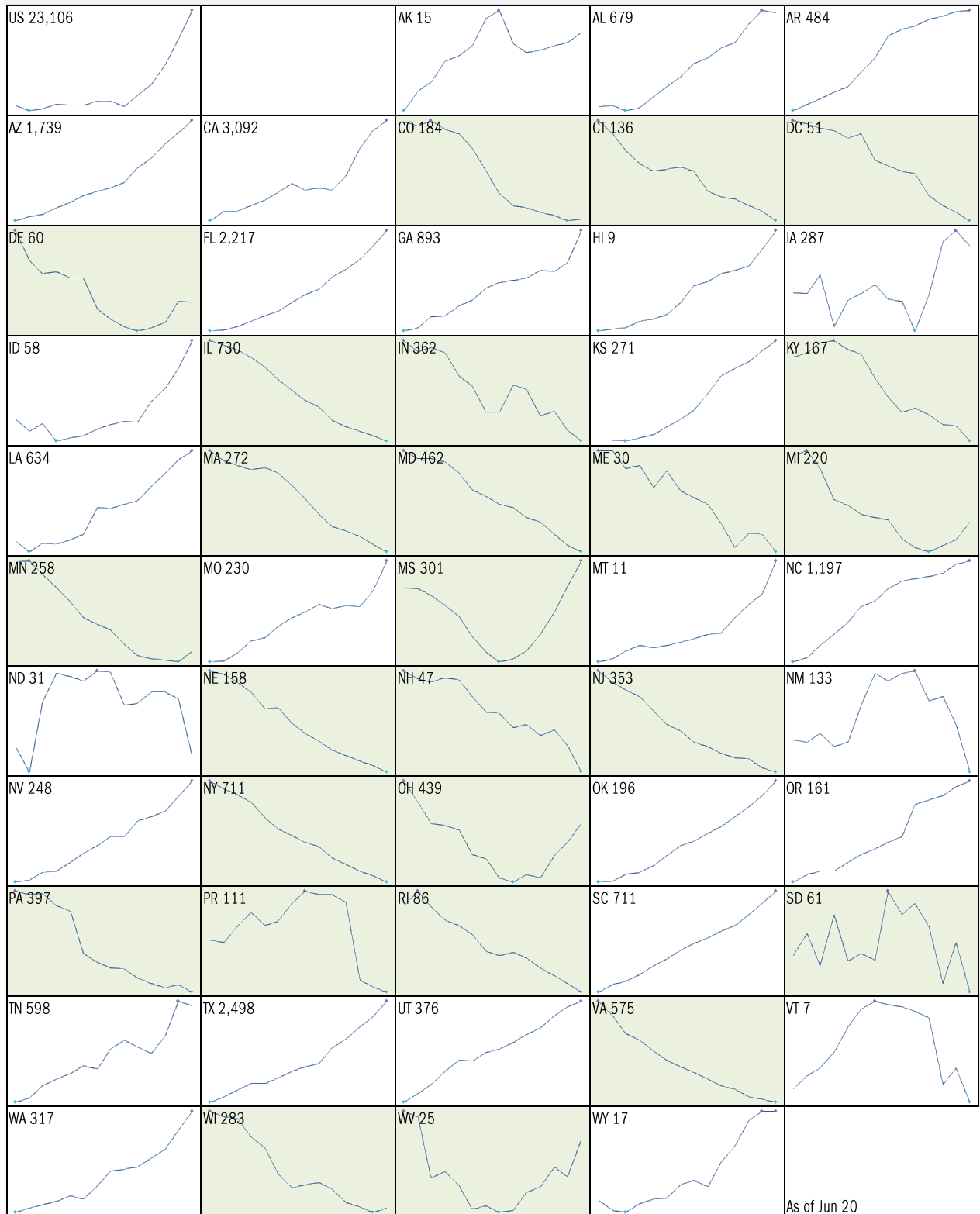
# Our most reliable evidence of slowing exponential growth of Covid-2019

Vertical: number of days it takes to double deaths Horizontal: days from first death



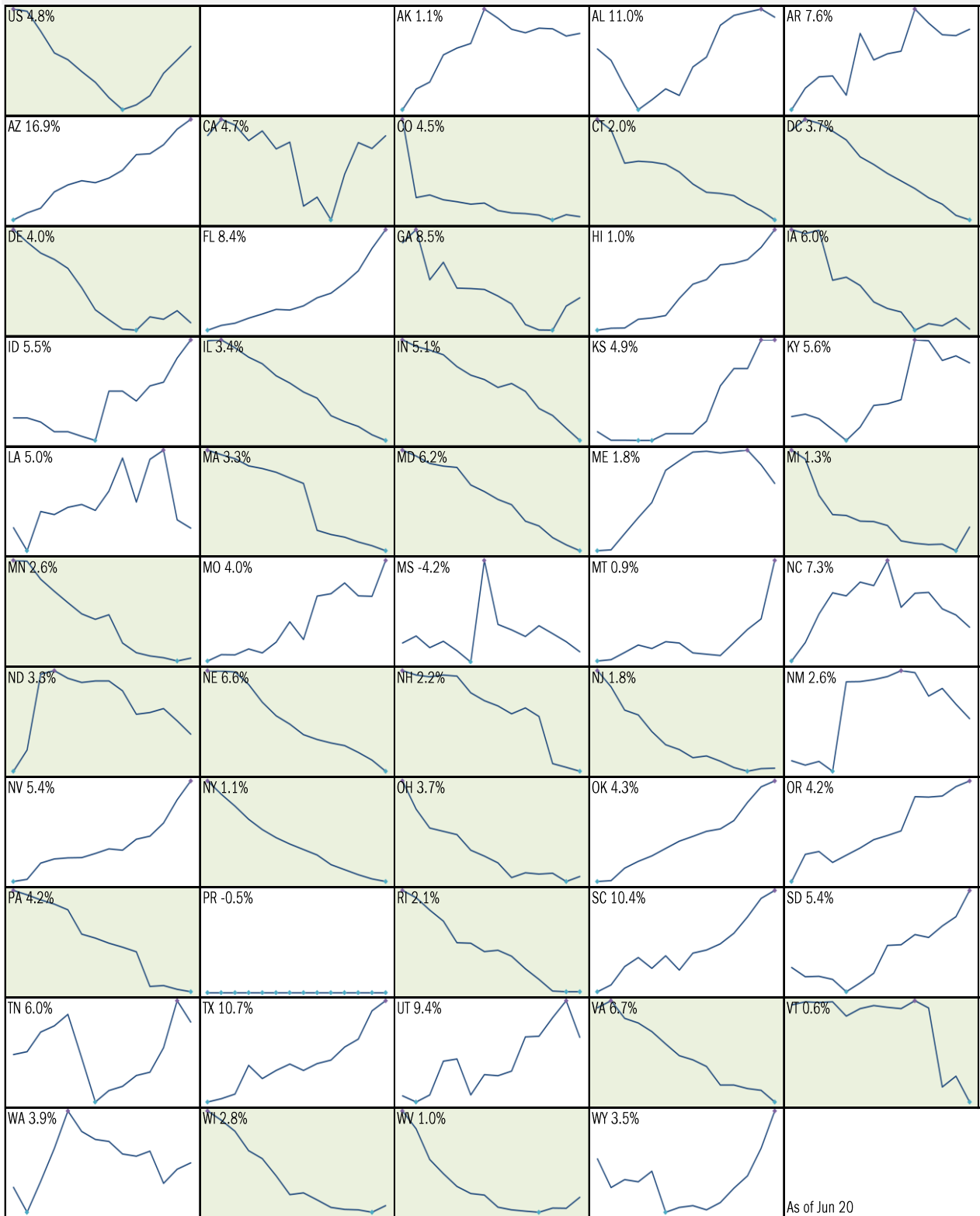
Source: [ECDC](#), TrendMacro calculations

Requirement to [Open Up America Again](#): ■ 14-day “downward trajectory” in new cases  
 14-day moving average, last 14 days Most recent value displayed ● High ● Low



Source: [Covid Tracking Project](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): ■ 14-day "downward trajectory" in pos tests  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low



Source: [Covid Tracking Project](#), TrendMacro calculations

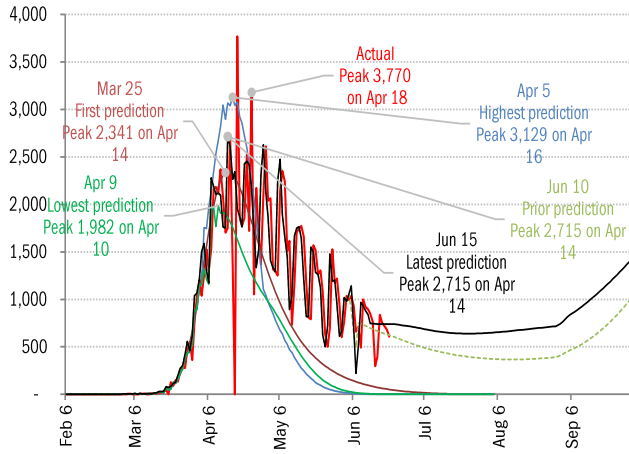


# Reality-checking the models: actuals versus [IHME predictions](#)

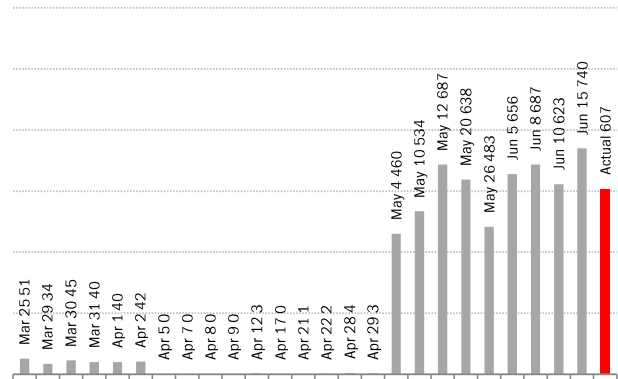
## New daily fatalities

As of Jun 21

Actual versus first, highest, lowest and latest model mean predictions

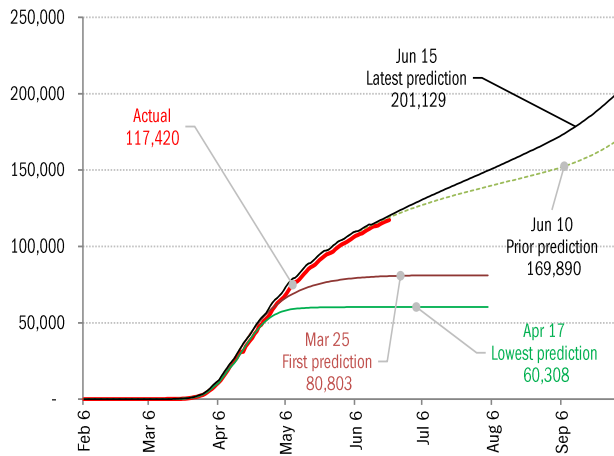


For this day, versus all model mean predictions

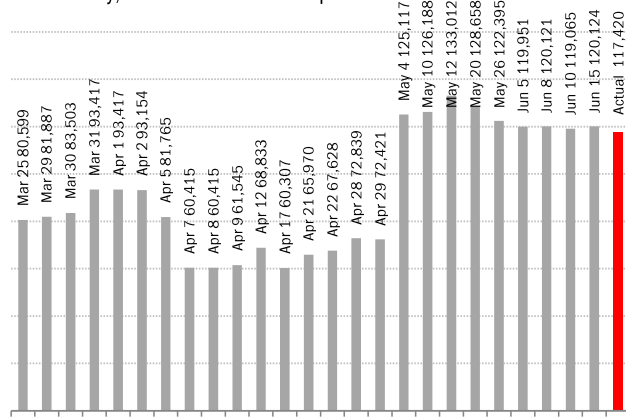


## Cumulative fatalities

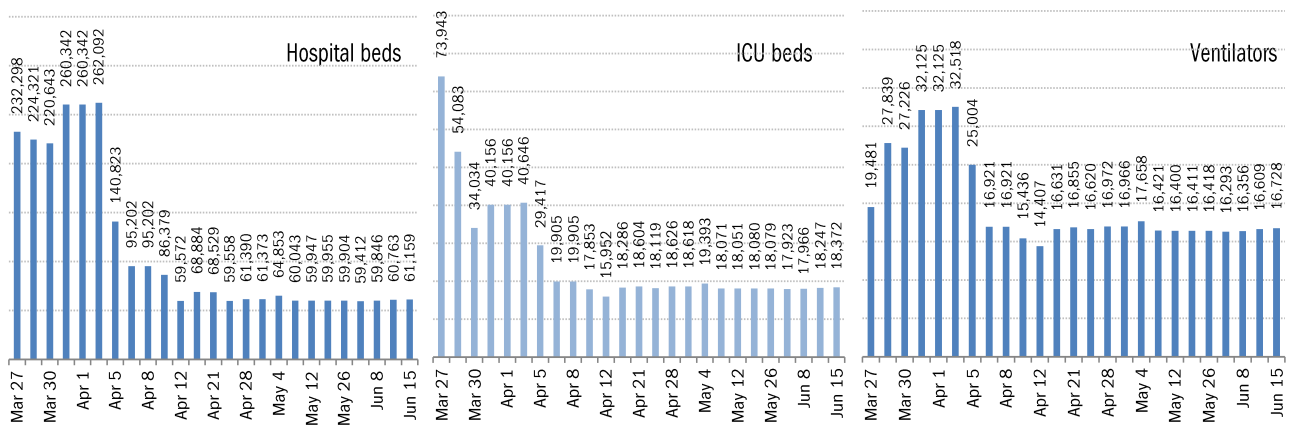
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

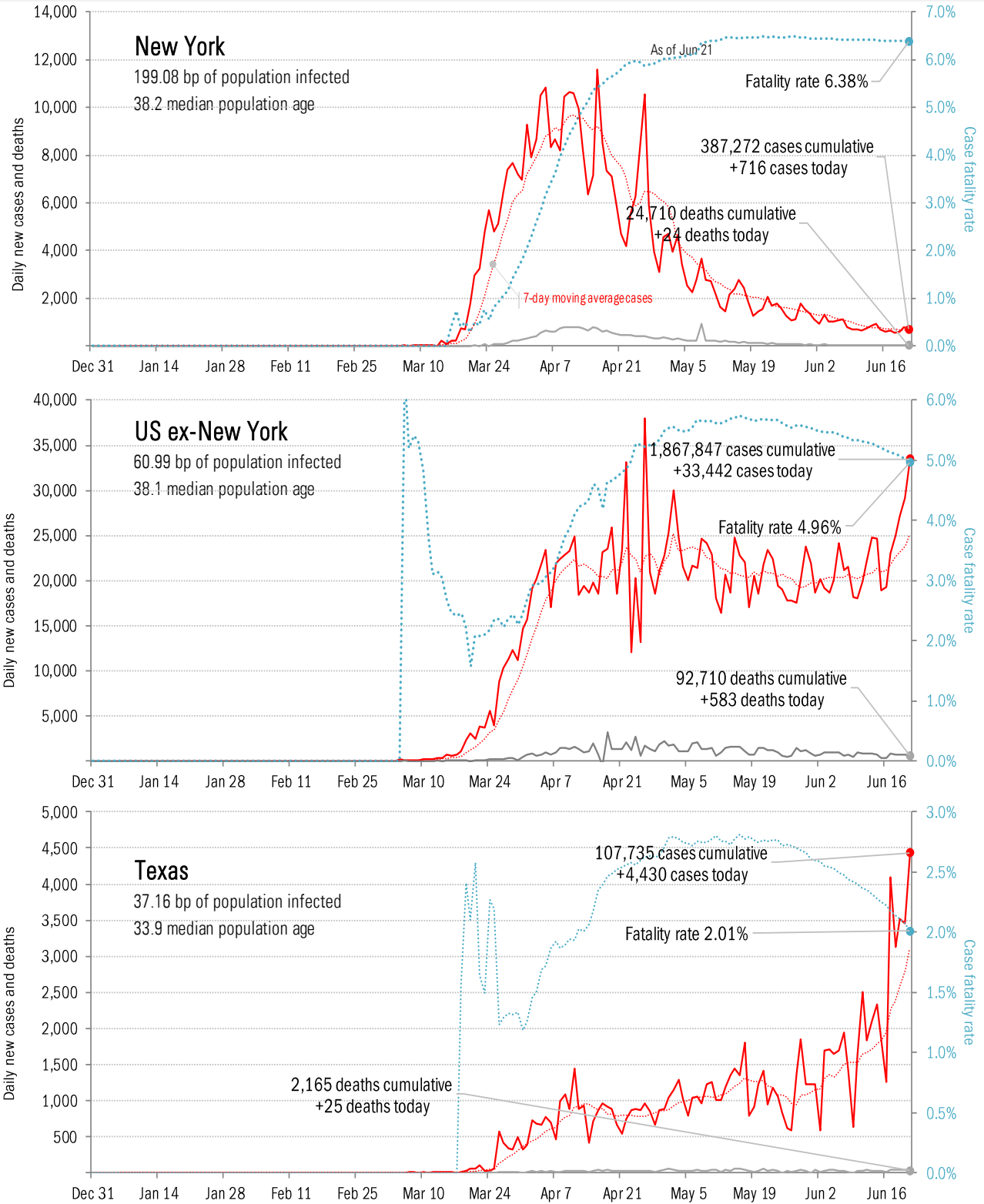


## Healthcare system stress, peak estimated at each model revision



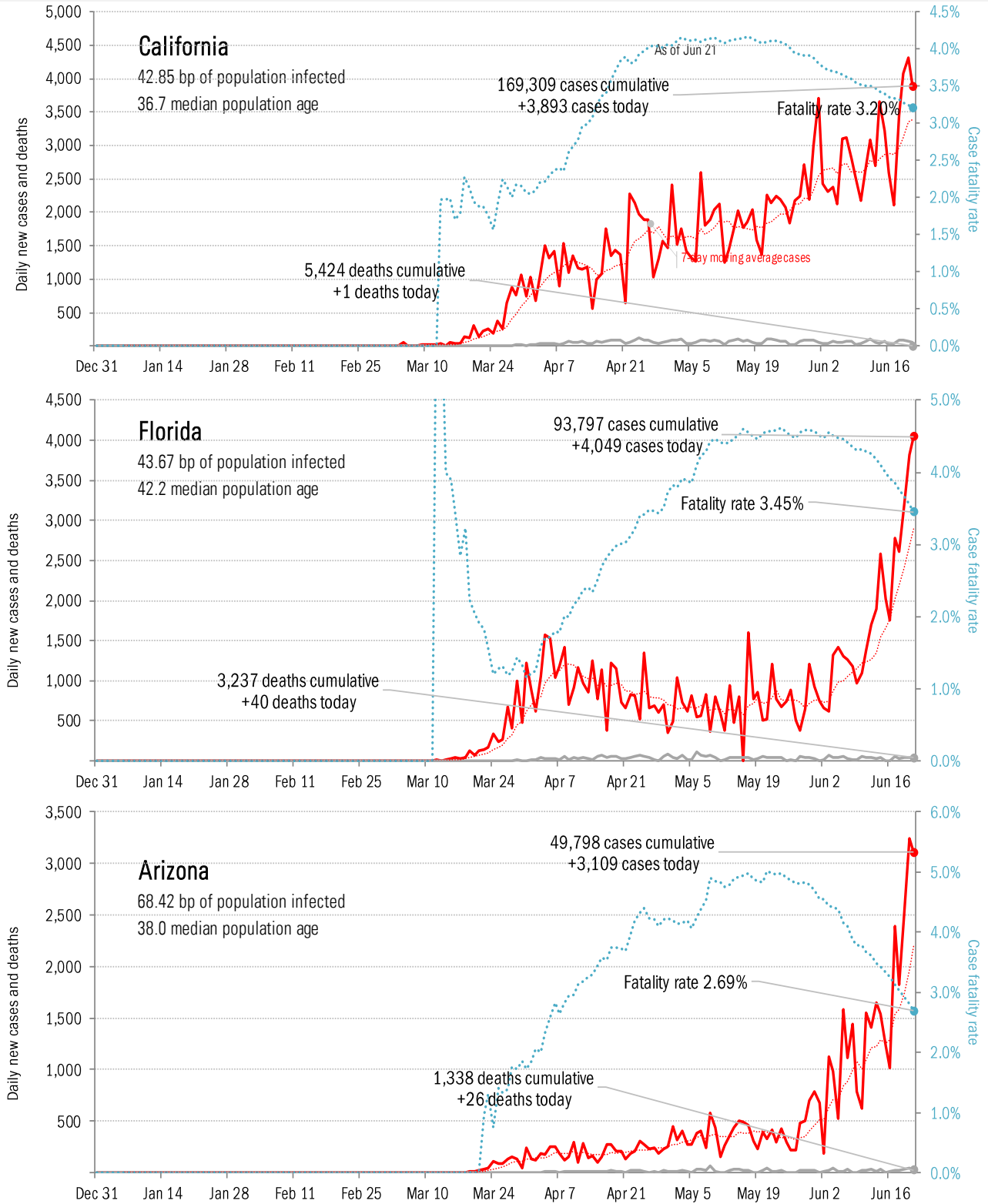
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



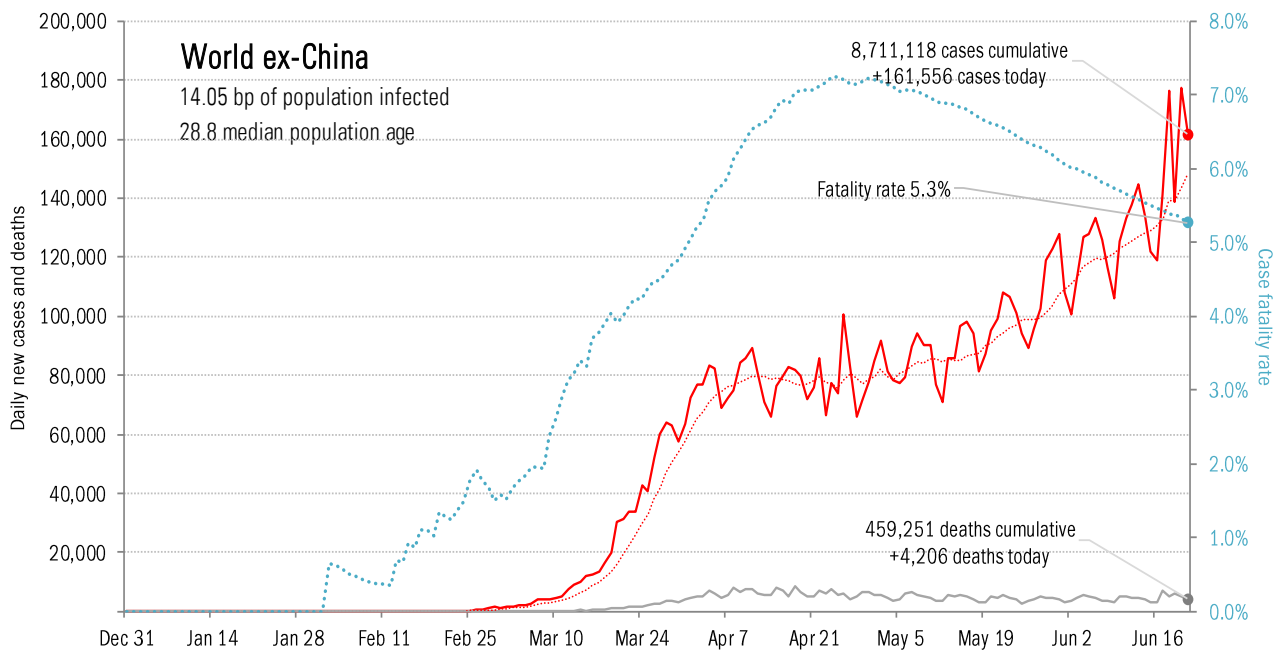
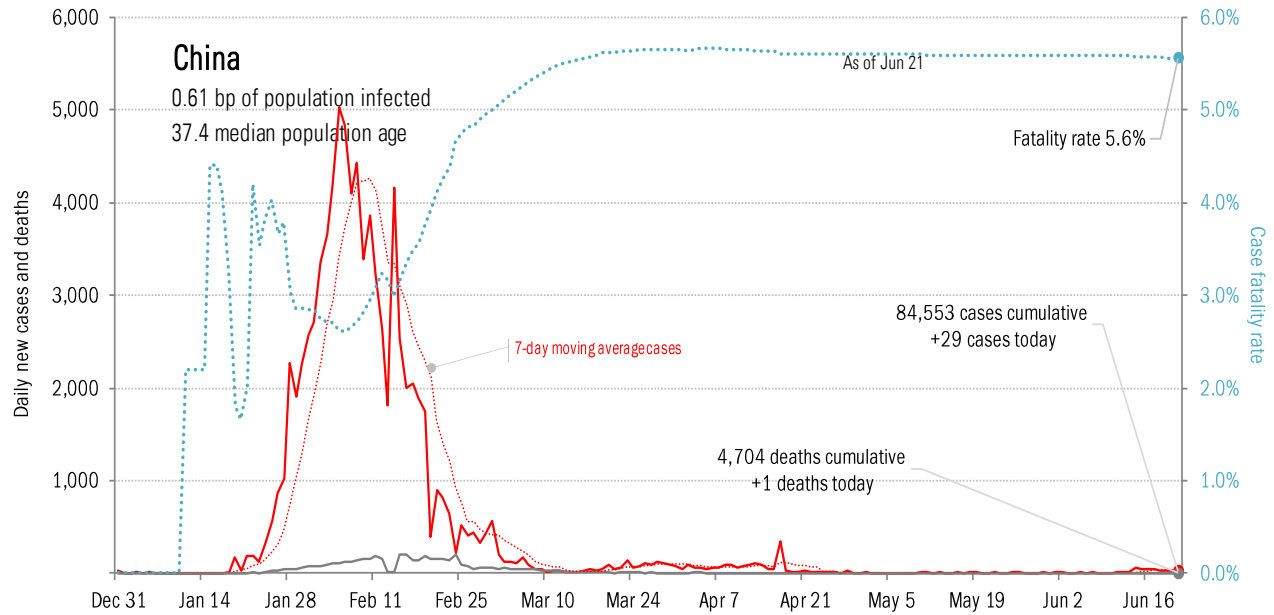
Source: [ECDC](#), TrendMacro calculations

# The "second wave" states (other than Texas)



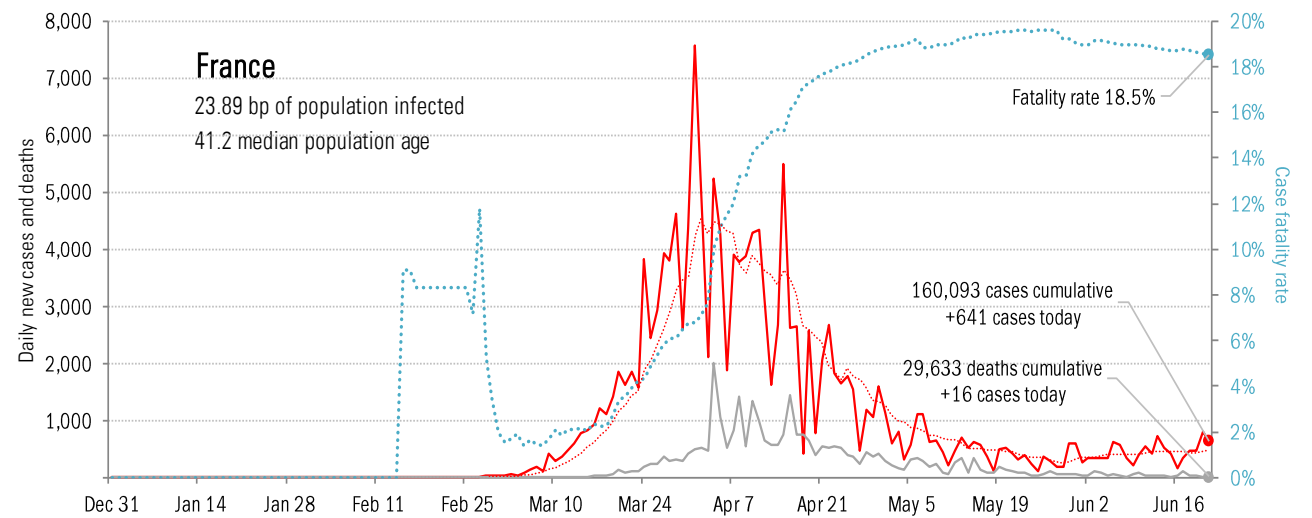
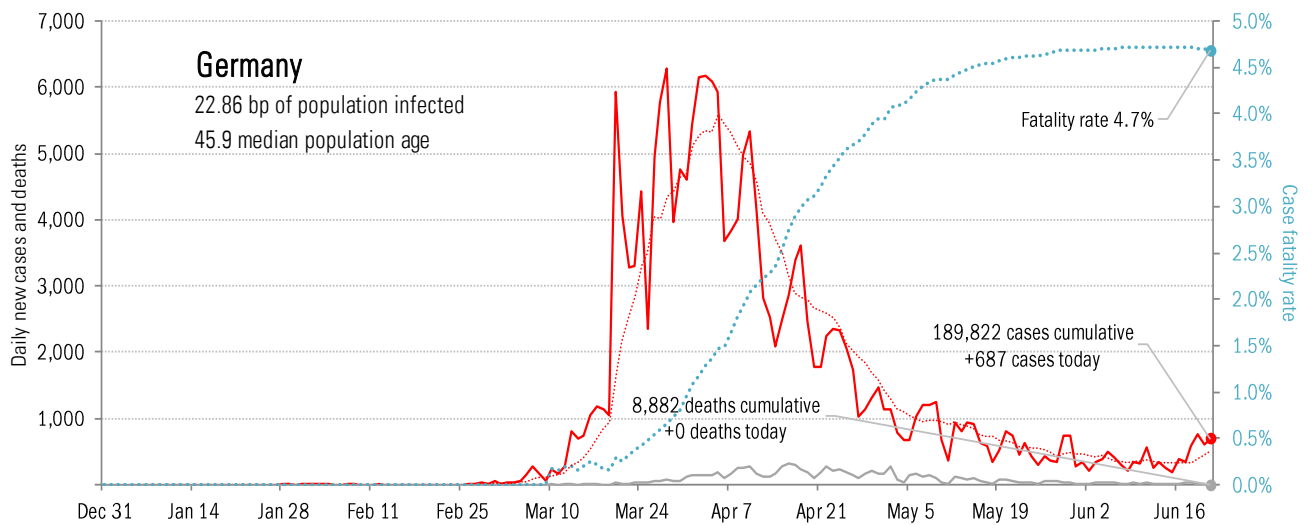
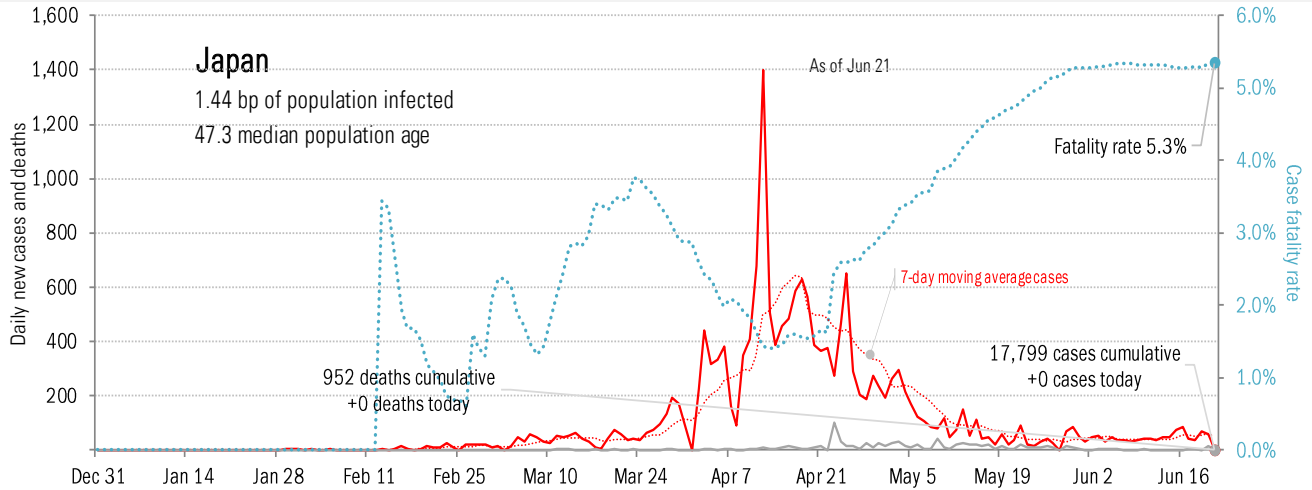
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



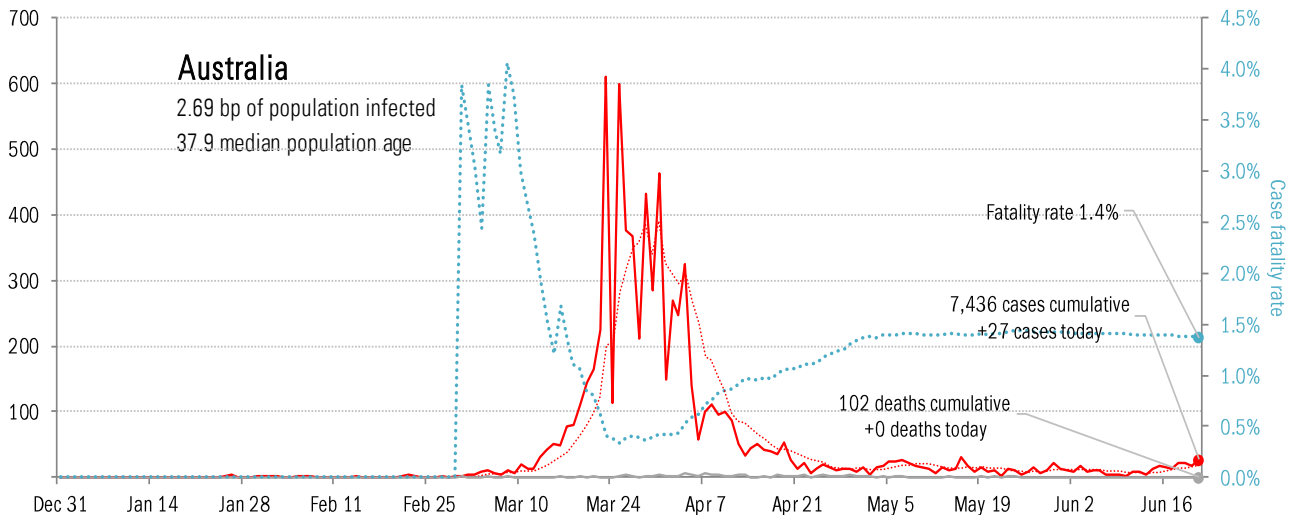
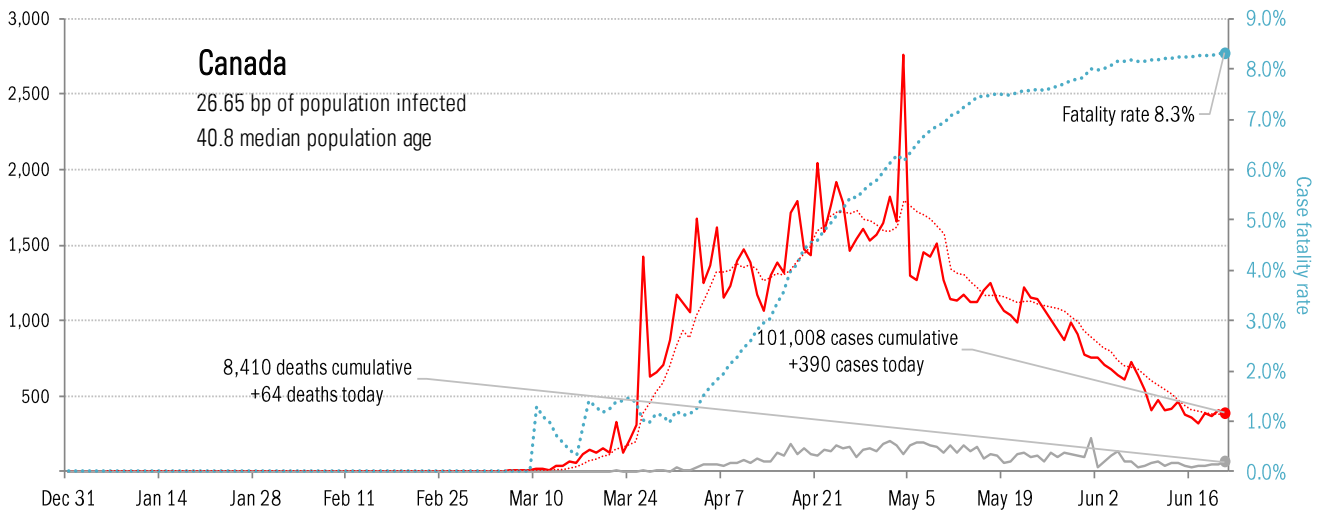
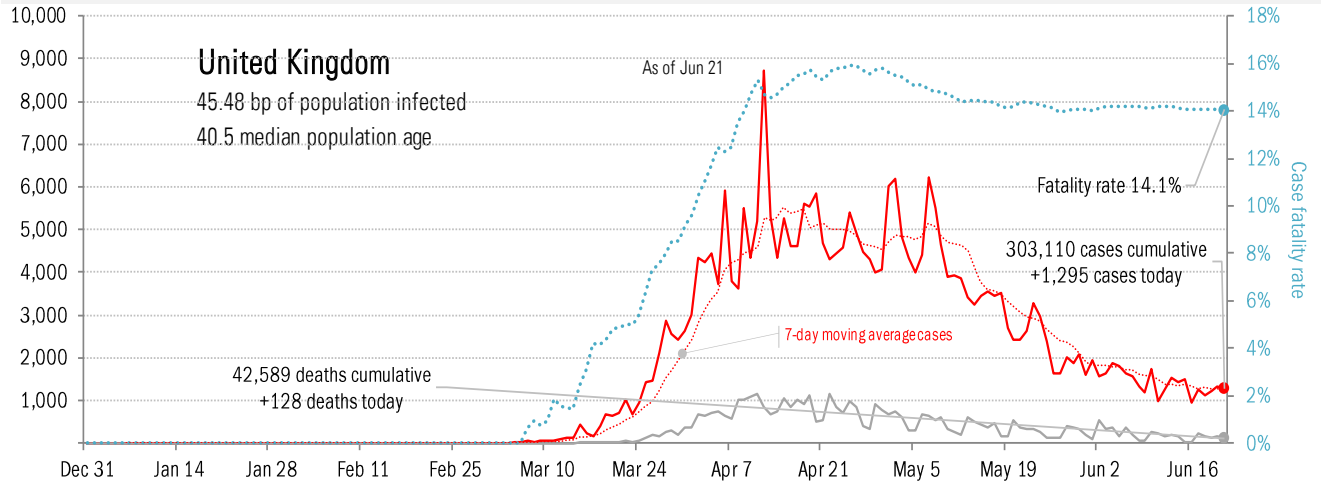
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



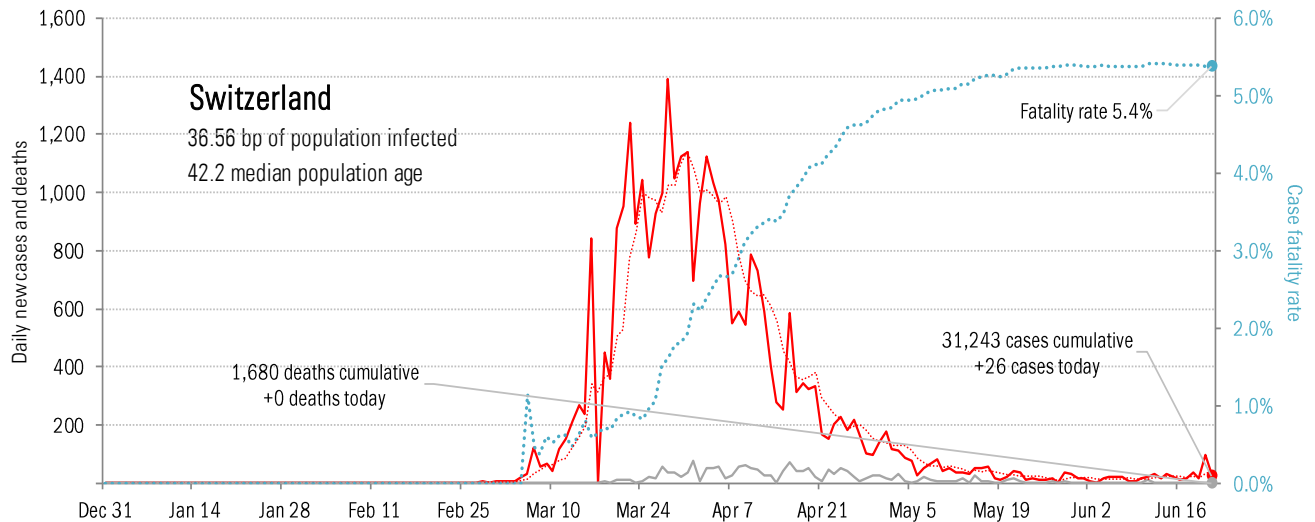
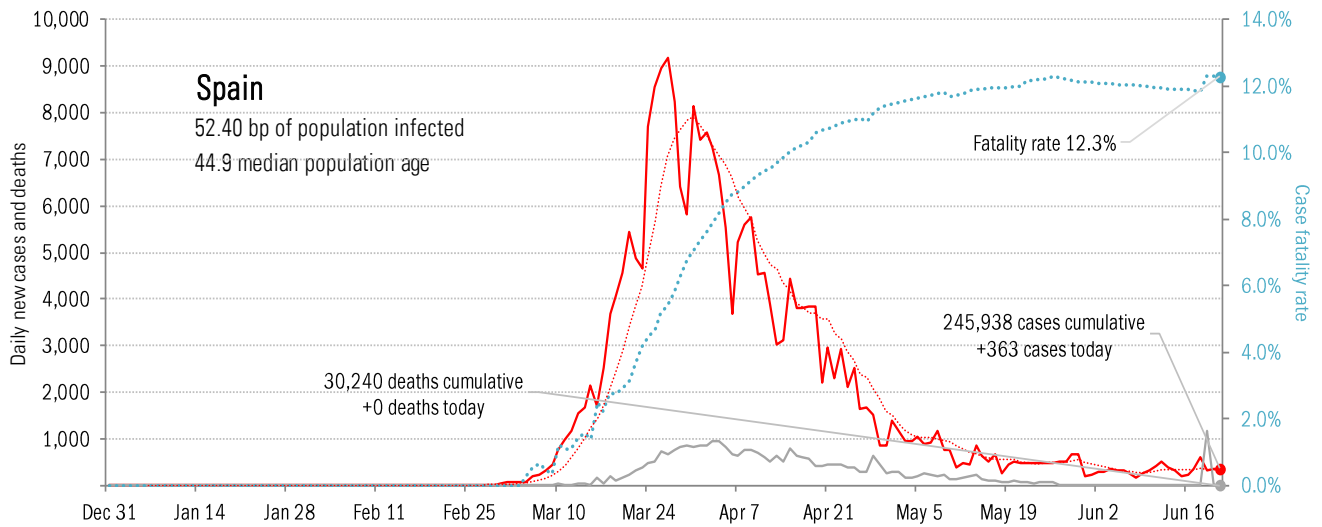
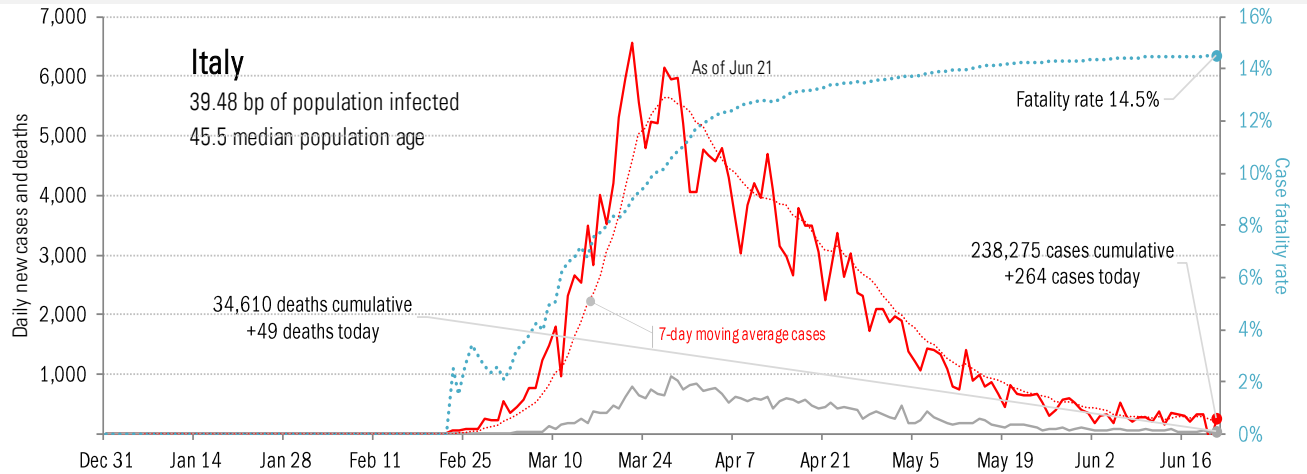
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



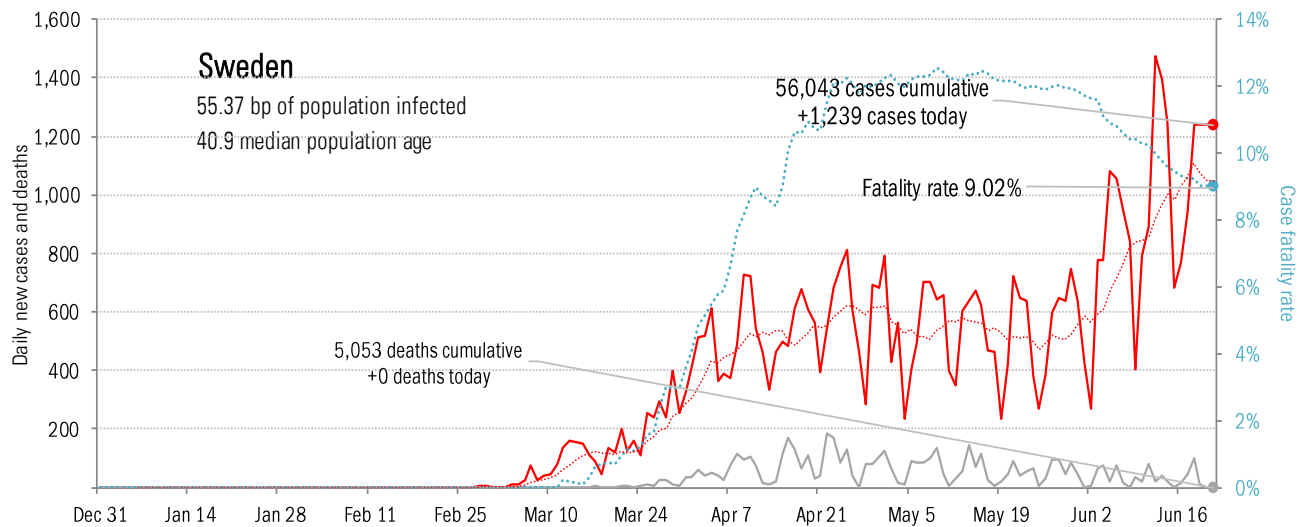
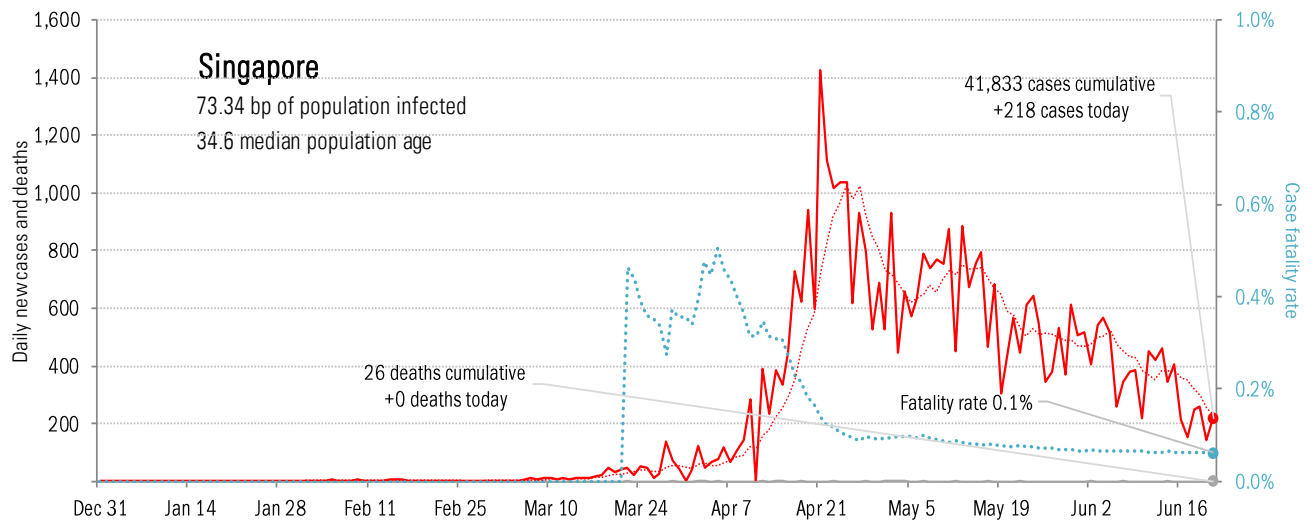
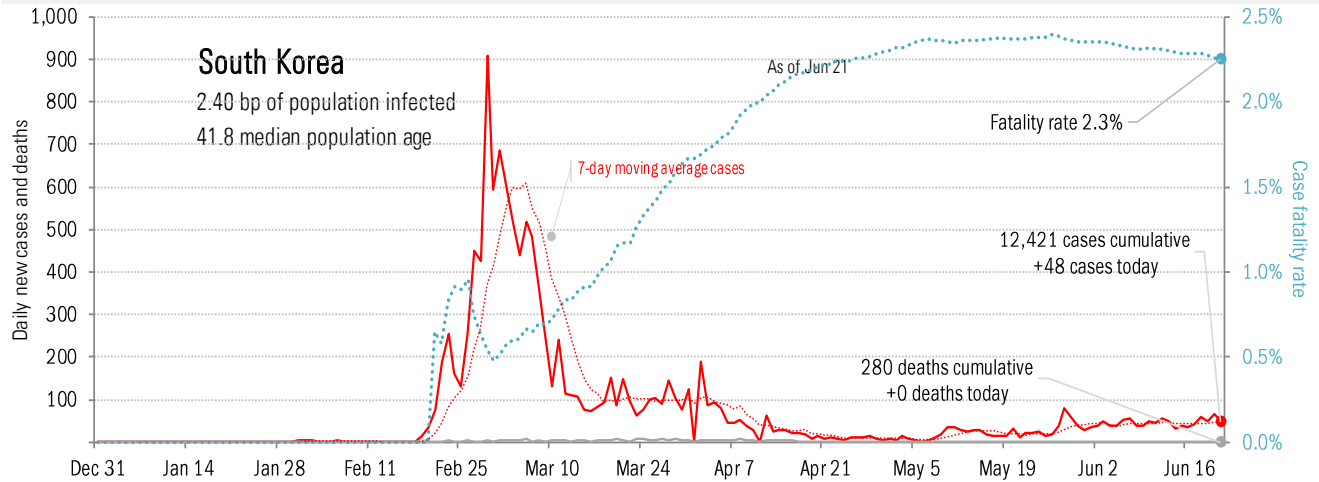
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

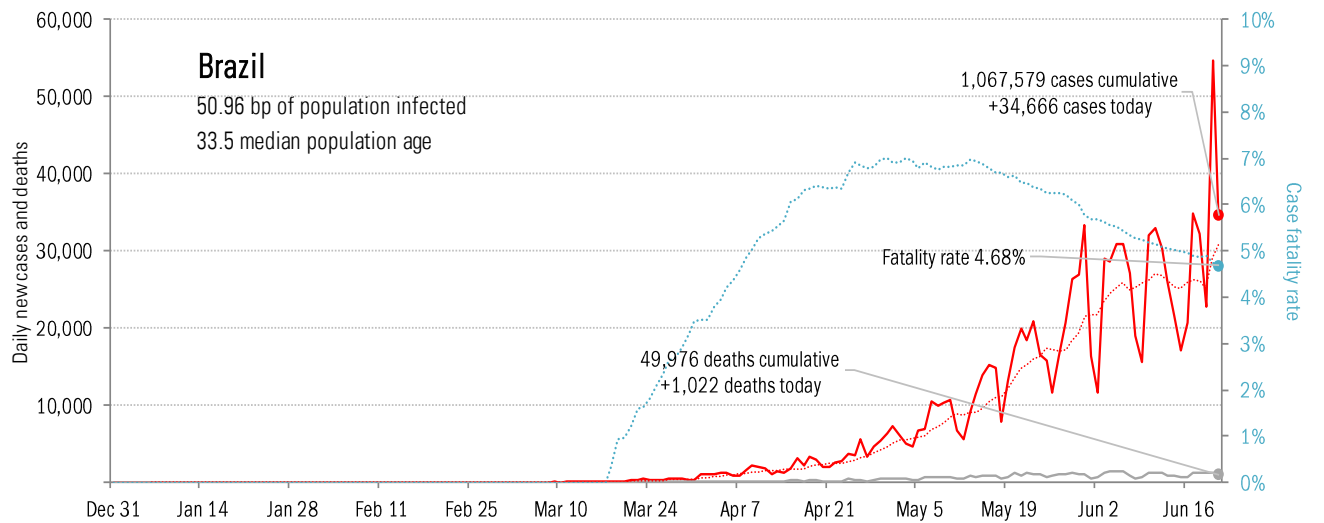
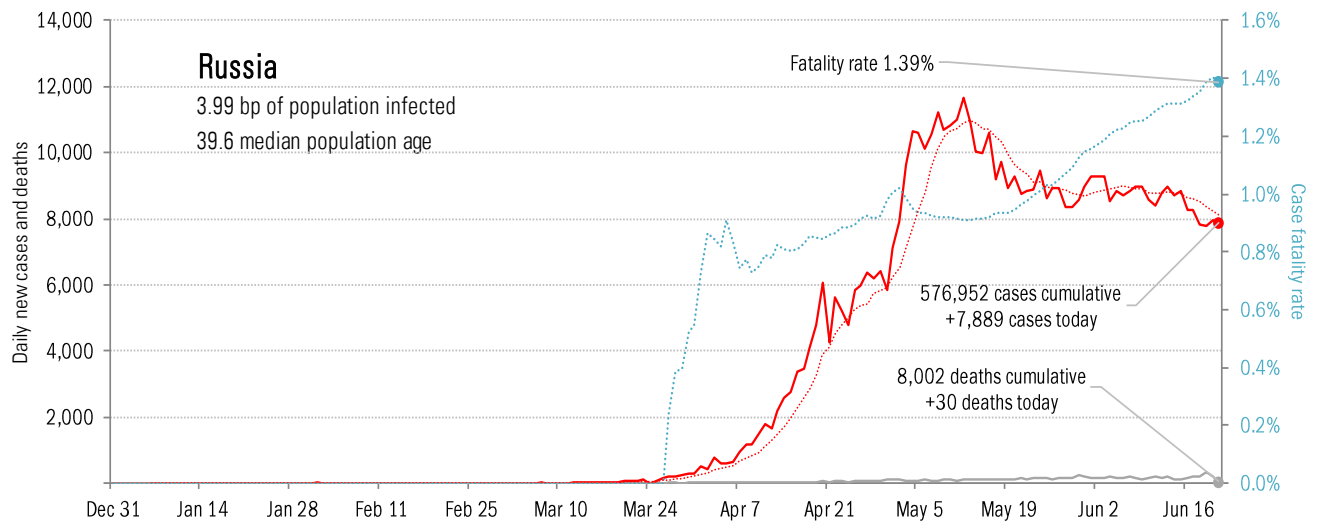
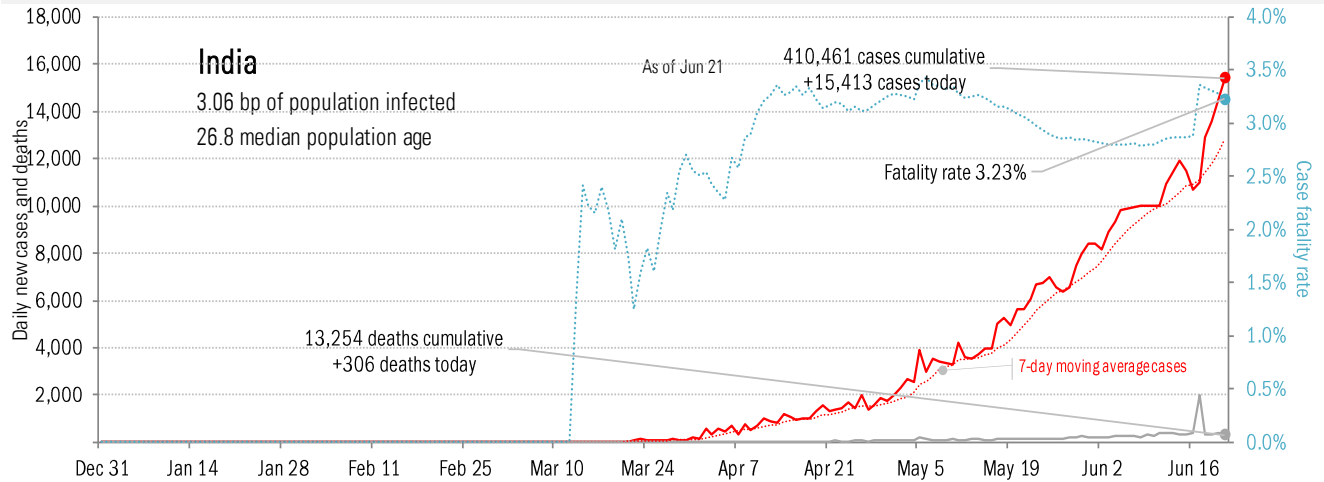
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

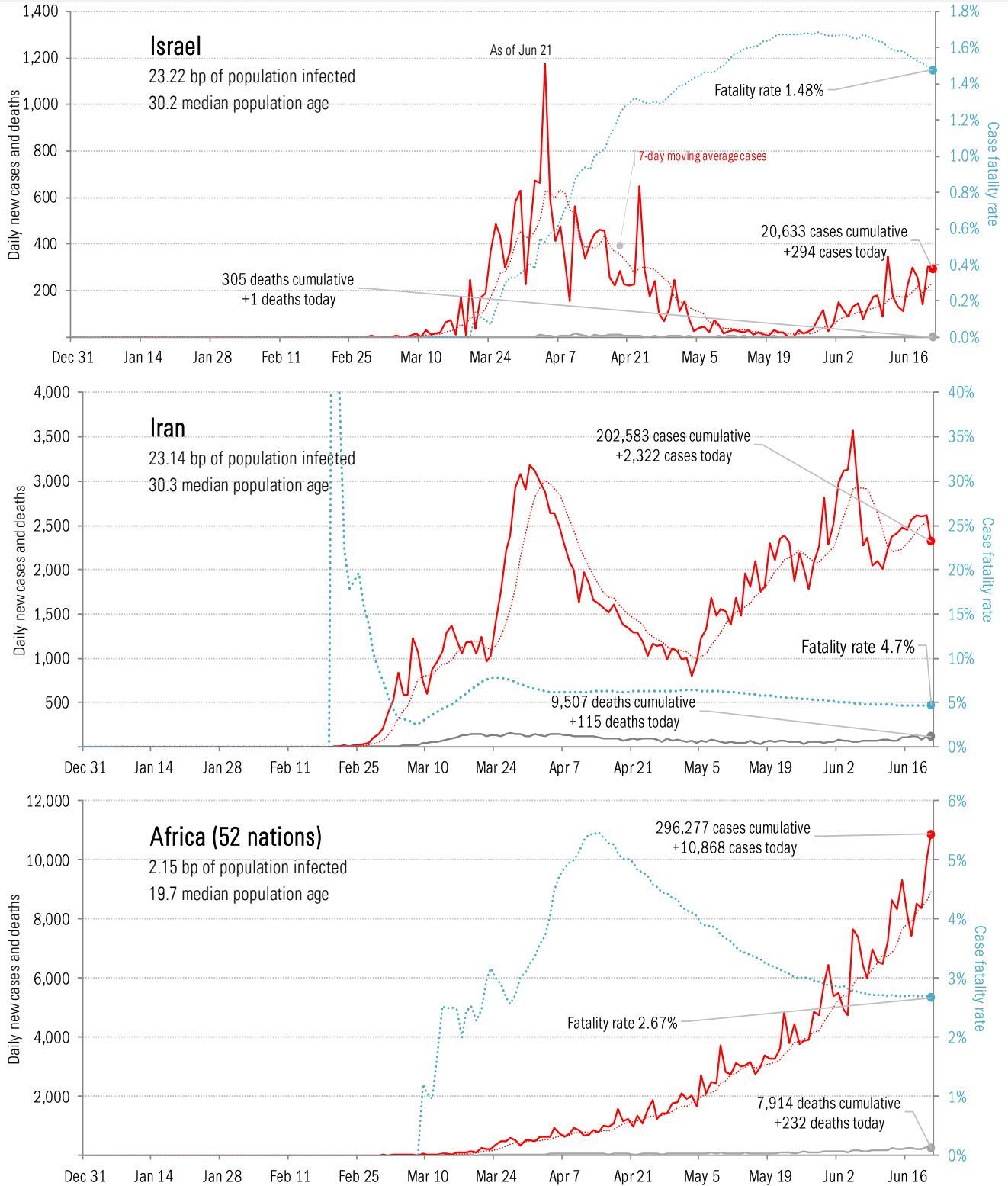


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations