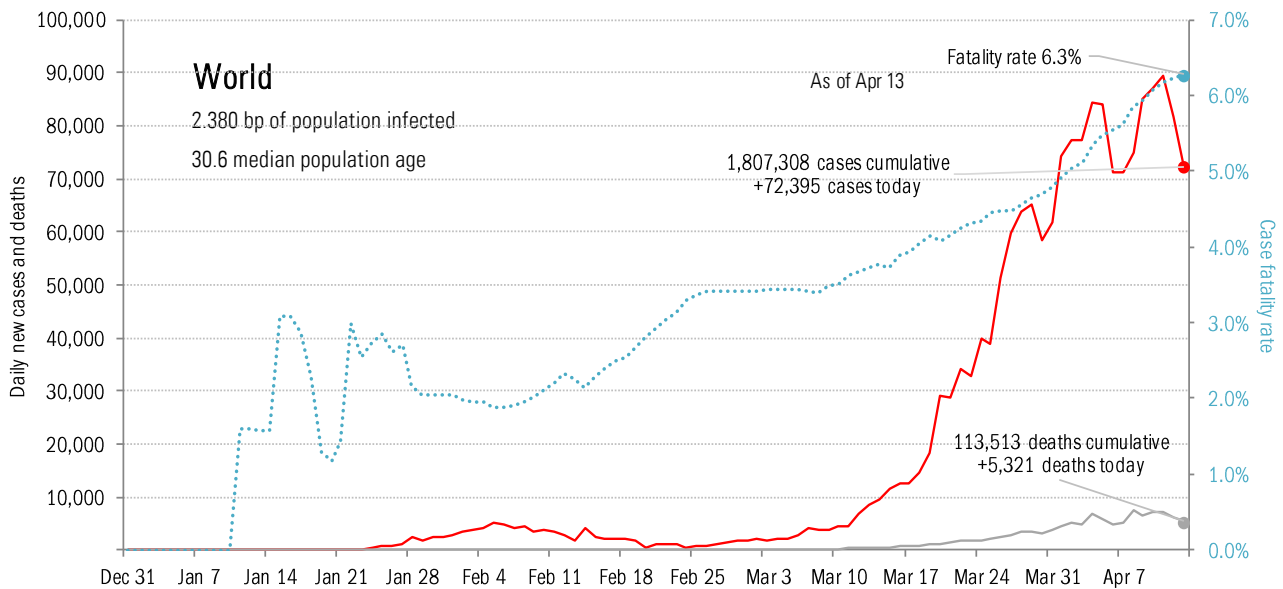
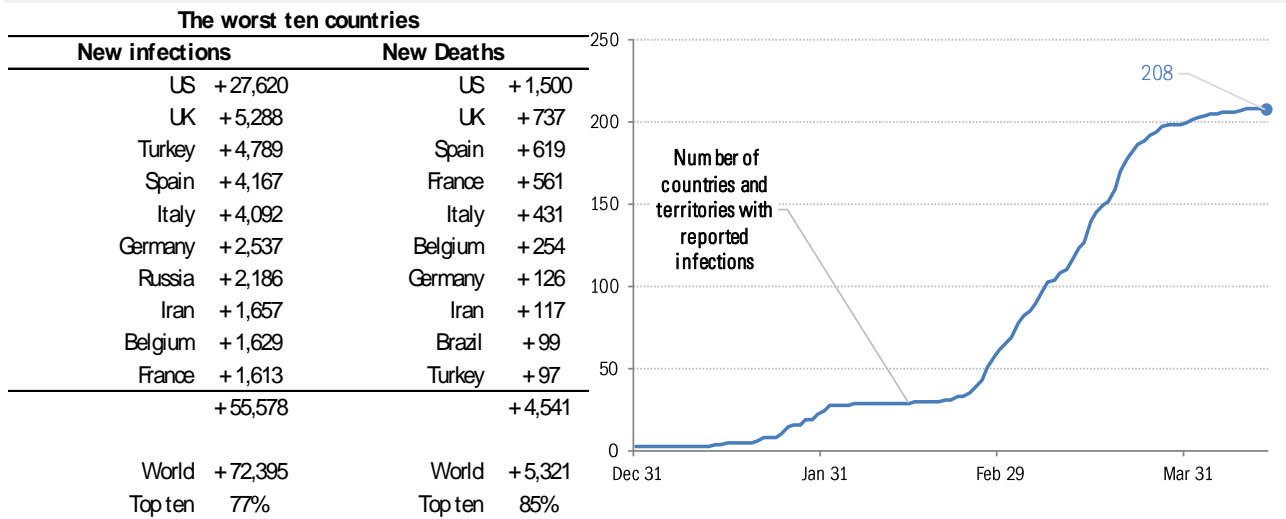


## Data Insights: Covid-2019 Monitor

Monday, April 13, 2020

### The global scorecard



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

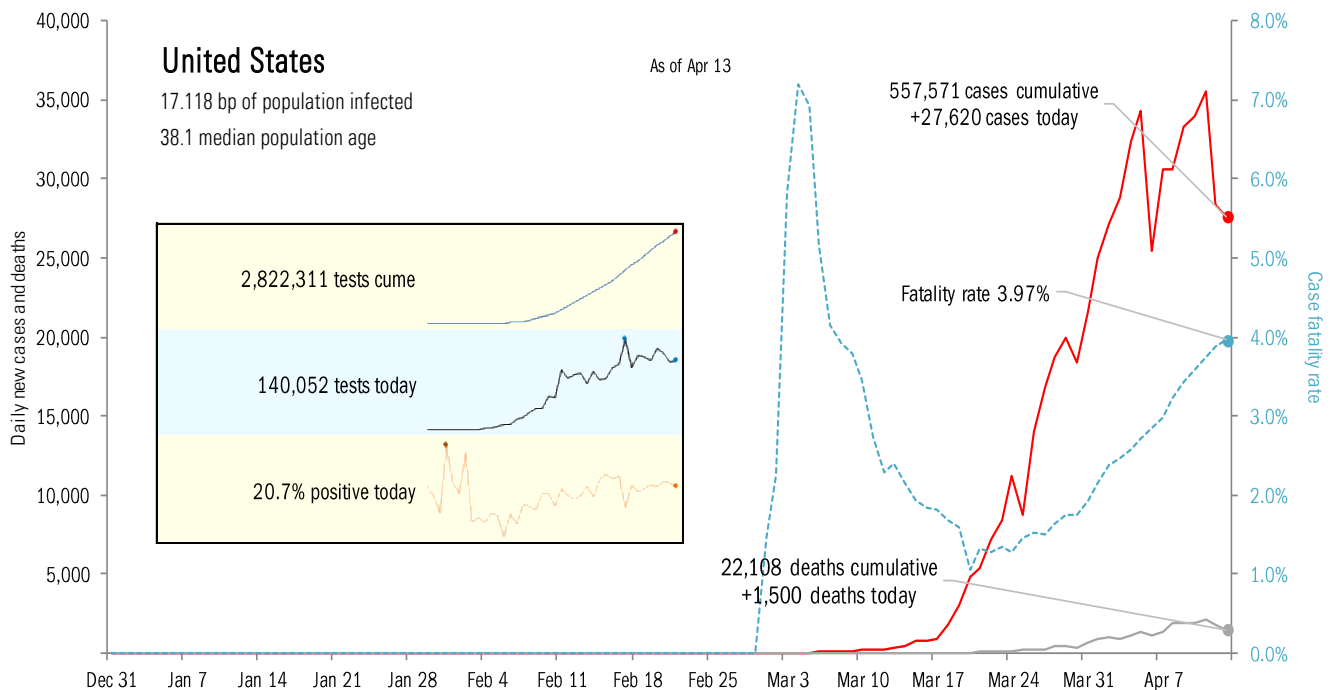
National and state-by-state data do not line up because of different sources

## The ten worst US states

| New infections |         | New Deaths    |        | New in hospital |         | Cume infections |         | Cume deaths   |        | Cume in hospital |        |
|----------------|---------|---------------|--------|-----------------|---------|-----------------|---------|---------------|--------|------------------|--------|
| NY             | +8,236  | NY            | +758   | NY              | +9,350  | NY              | 188,694 | NY            | 9,385  | NY               | 42,594 |
| NJ             | +3,699  | NJ            | +167   | MD              | +151    | NJ              | 61,850  | NJ            | 2,350  | FL               | 2,772  |
| MA             | +2,615  | CA            | +110   | MA              | +115    | MA              | 25,475  | MI            | 1,487  | GA               | 2,505  |
| CA             | +2,322  | MI            | +95    | FL              | +111    | MI              | 24,638  | LA            | 840    | MA               | 2,235  |
| IL             | +1,672  | MA            | +70    | OH              | +89     | PA              | 22,833  | MA            | 756    | OH               | 1,948  |
| PA             | +1,178  | CT            | +60    | CO              | +64     | CA              | 21,794  | IL            | 720    | MD               | 1,860  |
| TX             | +923    | IL            | +43    | AL              | +35     | IL              | 20,852  | CA            | 651    | CO               | 1,376  |
| FL             | +861    | LA            | +34    | GA              | +26     | LA              | 20,595  | CT            | 554    | WI               | 974    |
| MI             | +645    | MD            | +29    | WI              | +24     | FL              | 19,355  | PA            | 507    | TN               | 567    |
| LA             | +581    | FL            | +27    | MN              | +21     | TX              | 13,484  | WA            | 491    | MS               | 548    |
| <b>+22,732</b> |         | <b>+1,393</b> |        | <b>+9,986</b>   |         | <b>419,570</b>  |         | <b>17,741</b> |        | <b>57,379</b>    |        |
| All states     | +28,983 | All states    | +1,564 | All states      | +10,087 | All states      | 551,826 | All states    | 21,919 | All states       | 61,201 |
| Top ten        | 78%     | Top ten       | 89%    | Top ten         | 99%     | Top ten         | 76%     | Top ten       | 81%    | Top ten          | 94%    |

## Five most improved US states

| Fewer daily infections |        | Fewer new deaths |     | Fewer new hospitalizations |      | Most recoveries |        |
|------------------------|--------|------------------|-----|----------------------------|------|-----------------|--------|
| NY                     | -1,710 | NJ               | -84 | MD                         | -145 | NY              | +9,297 |
| MI                     | -565   | PA               | -65 | GA                         | -102 | TX              | +397   |
| PA                     | -498   | WA               | -45 | FL                         | -63  | TN              | +118   |
| CT                     | -447   | IL               | -38 | MA                         | -49  | IA              | +89    |
| GA                     | -383   | NY               | -25 | MS                         | -26  | MIN             | +49    |



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

## Recommended reading

[It's difficult to grasp the projected deaths from Covid-19. Here's how they compare to other causes of death](#)

Sharon Begley and Hyacinth Empinado  
*Stat*  
April 9, 2020

[New signs suggest coronavirus was in California far earlier than anyone knew](#)

Paige St. John  
*Los Angeles Times*  
April 11, 2020

[We Need Politicians in a Pandemic](#)

George Gilder  
*Wall Street Journal*  
April 12, 2020

[NIH begins study to quantify undetected cases of coronavirus infection](#)

*National Institutes of Health*  
April 10, 2020

[The crisis is over, but at terrible cost](#)

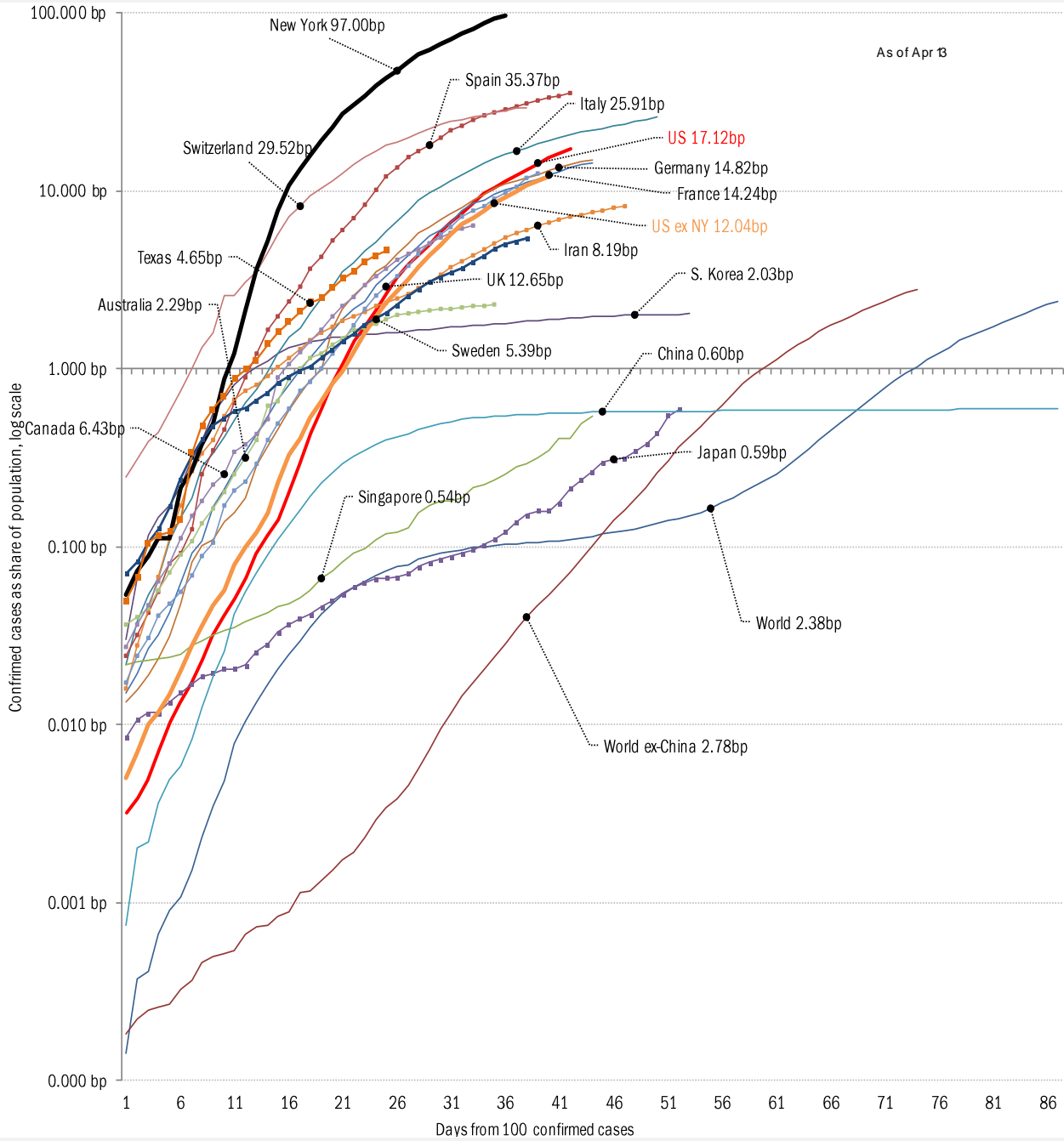
Scott Grannis  
*Calafia Beach Pundit*  
April 12, 2020

## Meme of the day



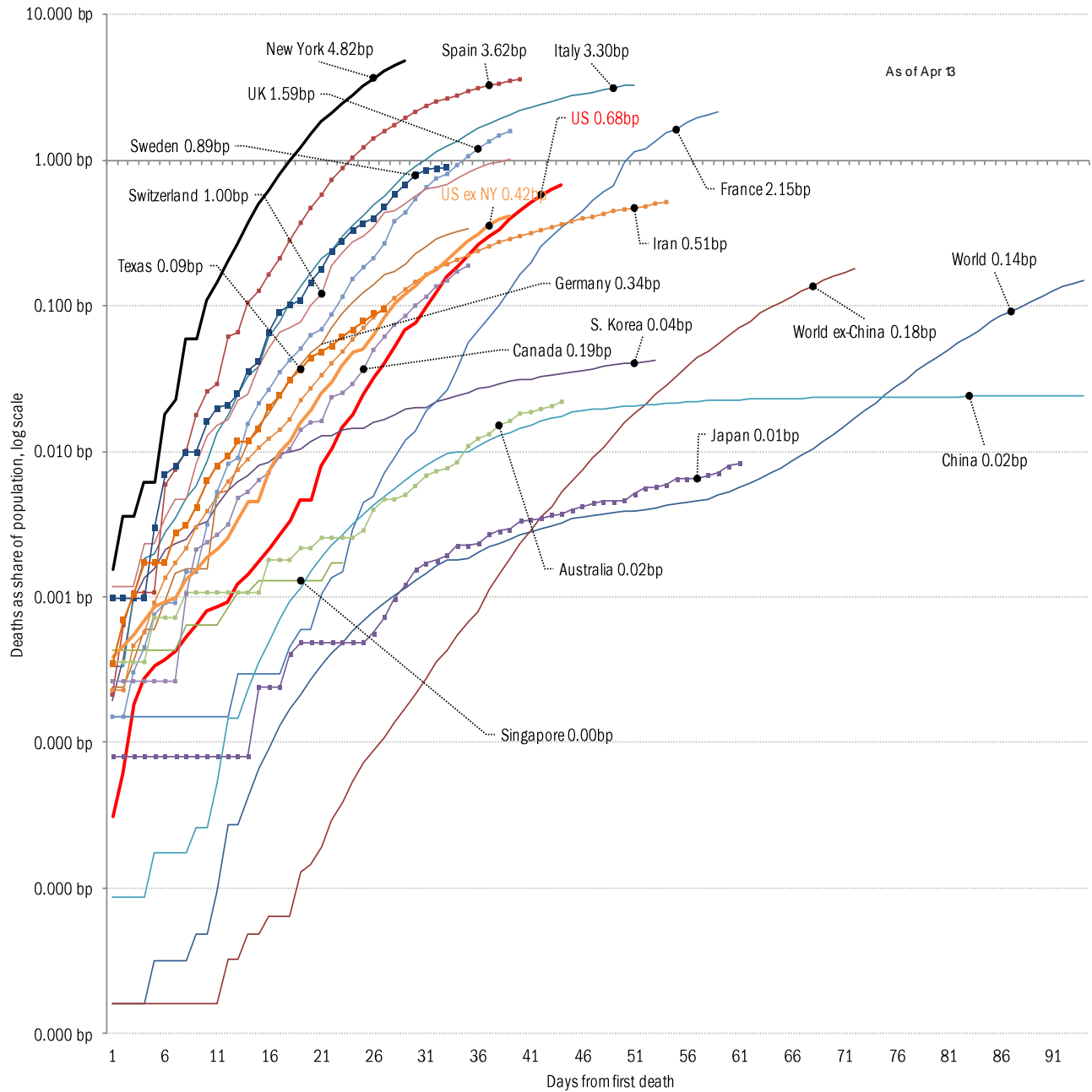
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



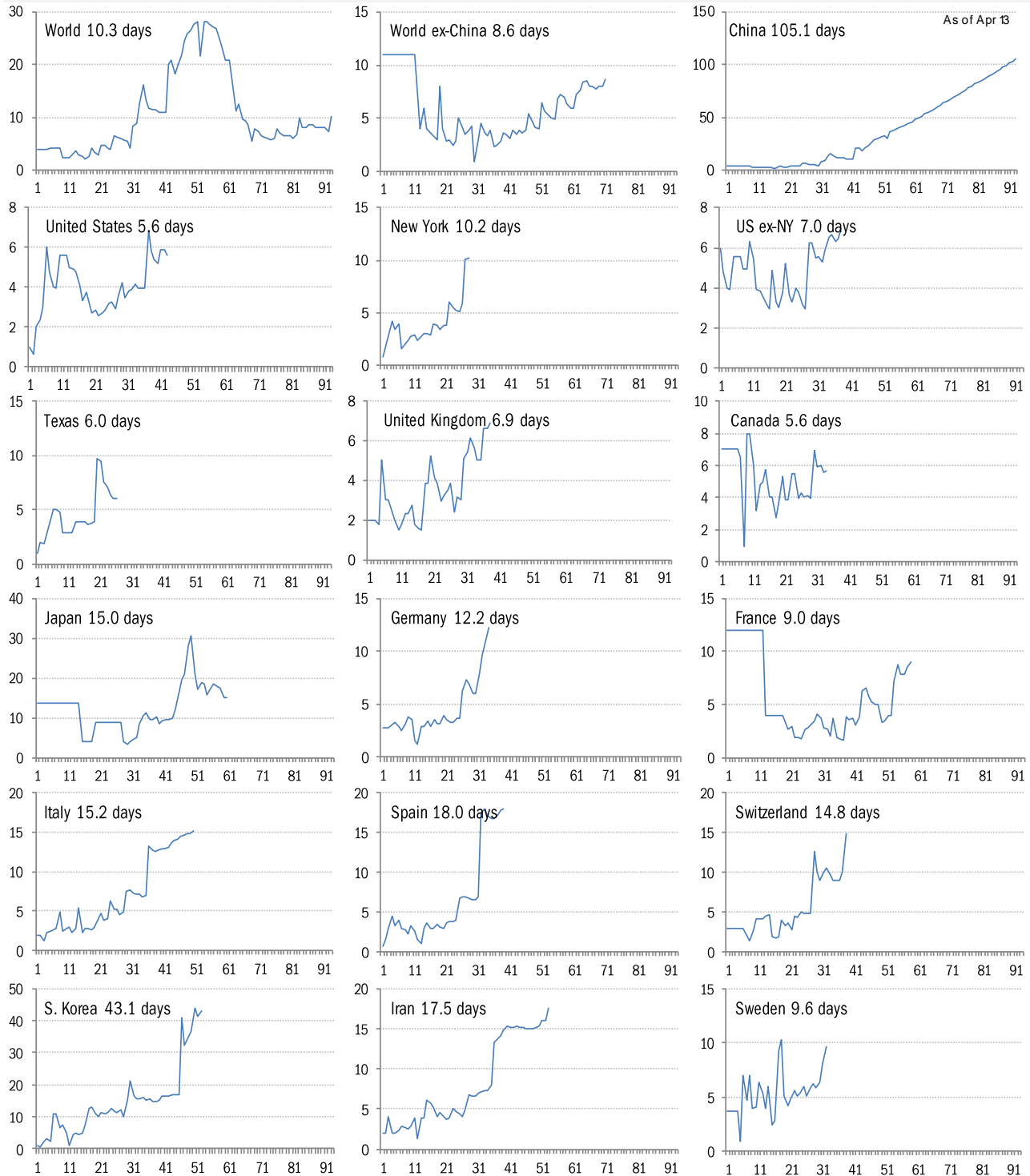
Source: [ECDC](#), TrendMacro calculations

# Our most reliable evidence of slowing the Moore's law of Covid-19

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

Progress means seeing the line move up and to the right. . .

*Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.*



Source: [ECDC](#), TrendMacro calculations

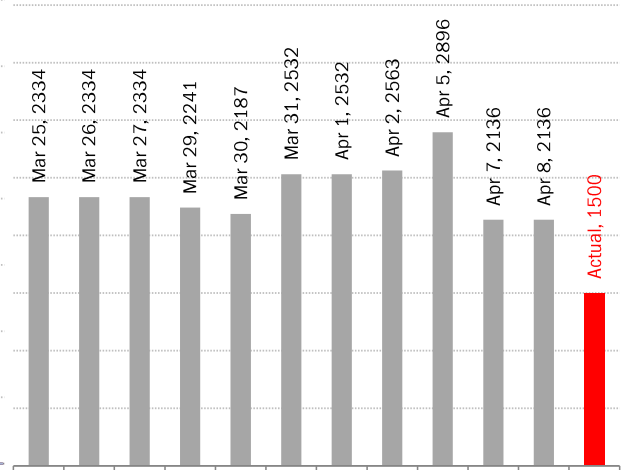
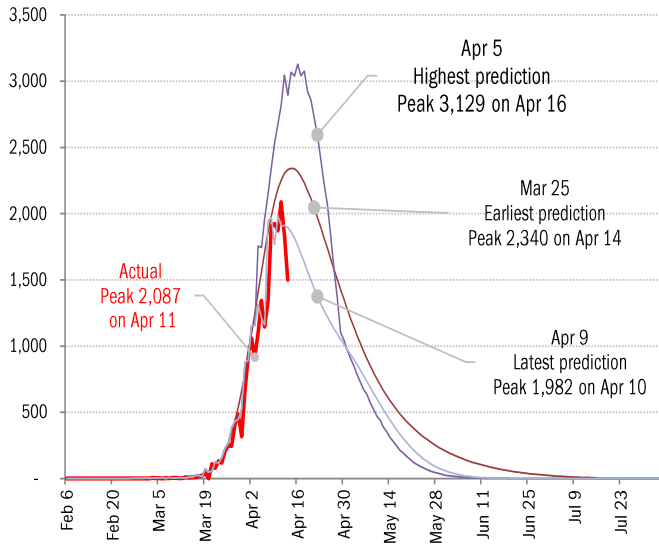
# Reality-checking the models: actual fatalities versus [IHME predictions](#)

## New daily fatalities

As of Apr 13

Actual versus first, highest and latest model mean predictions

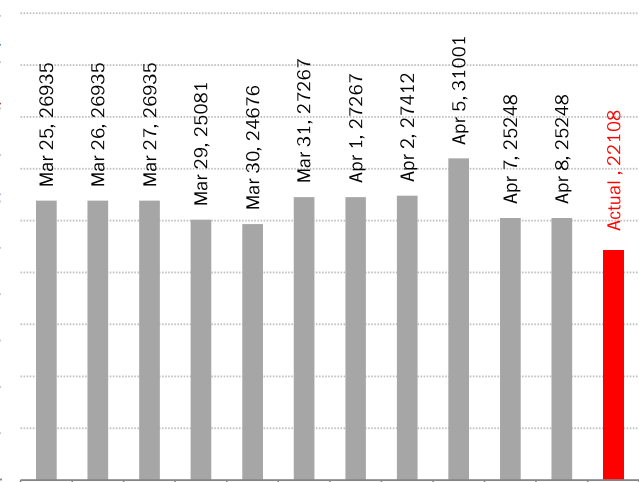
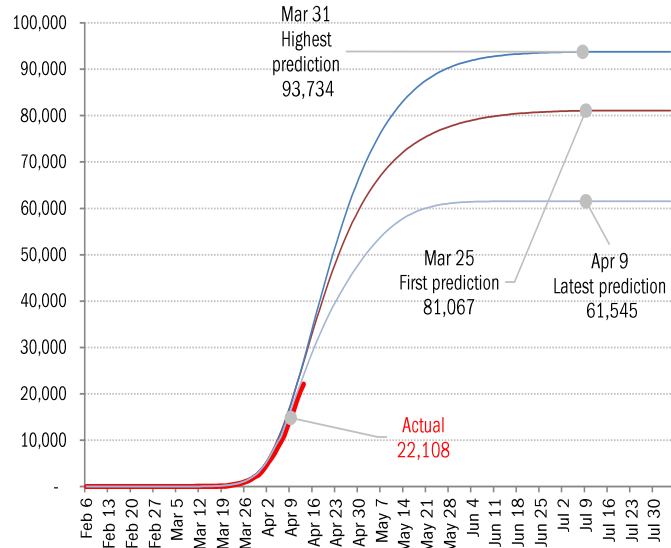
For this day, versus all model mean predictions



## Cumulative fatalities

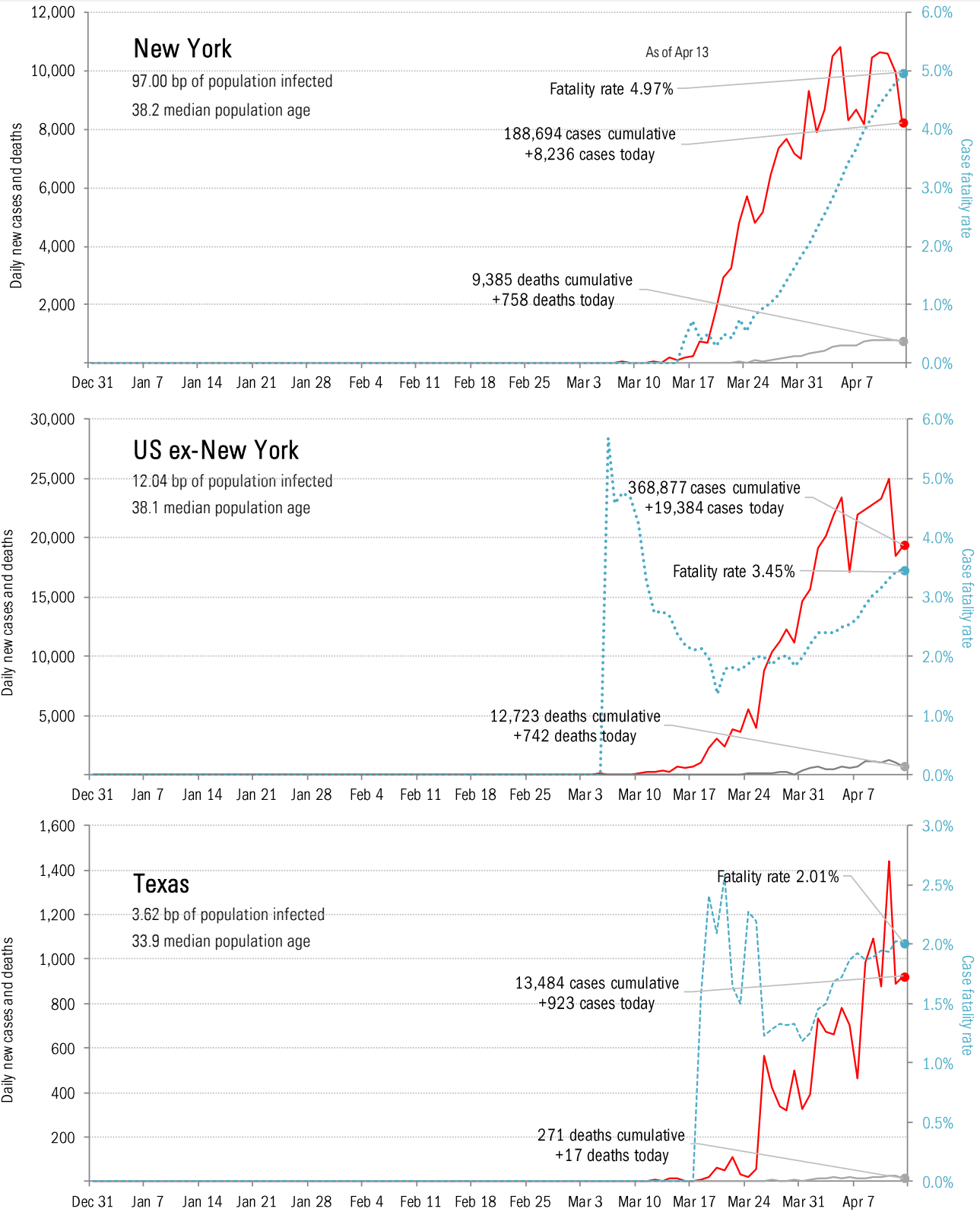
Actual versus first, highest and latest model mean predictions

For this day, versus all model mean predictions



Source: [ECDC](#), TrendMacro calculations

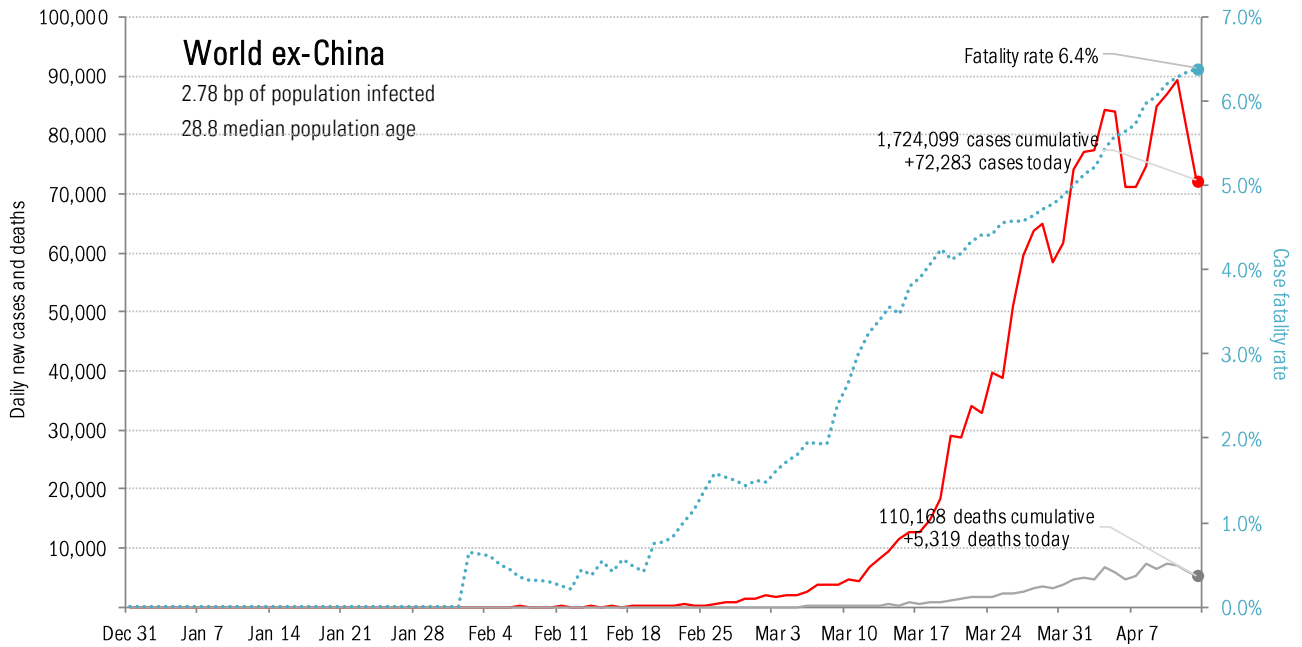
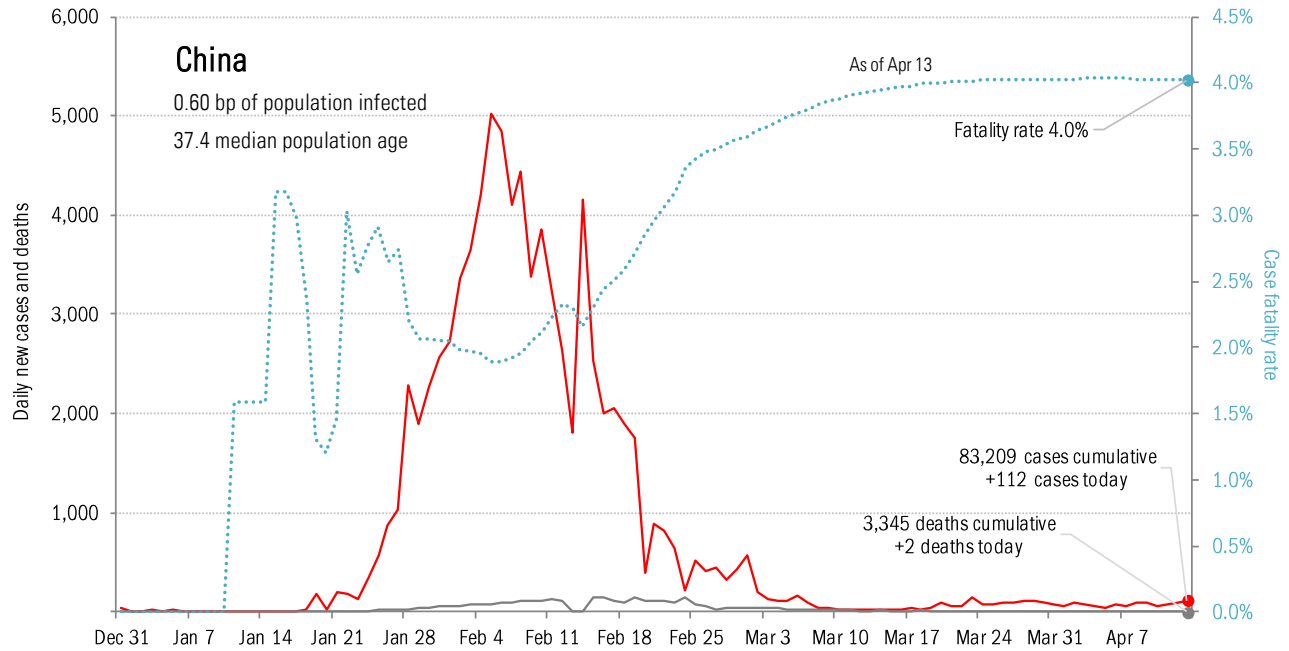
# From Ground Zero to the Rio Grande



Source: [ECDC](#), TrendMacro calculations

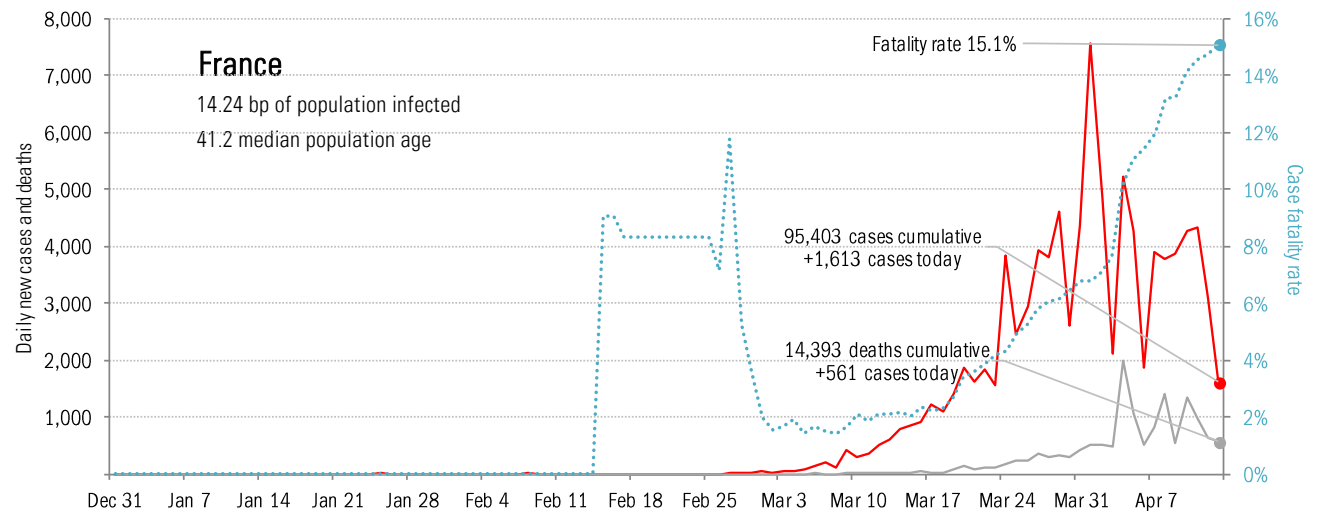
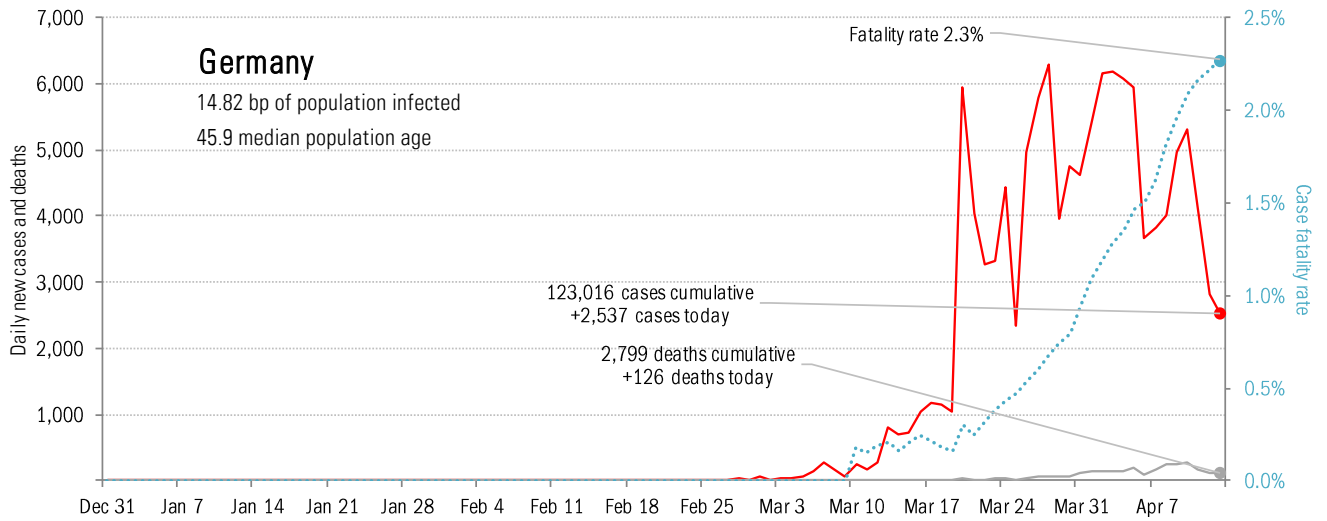
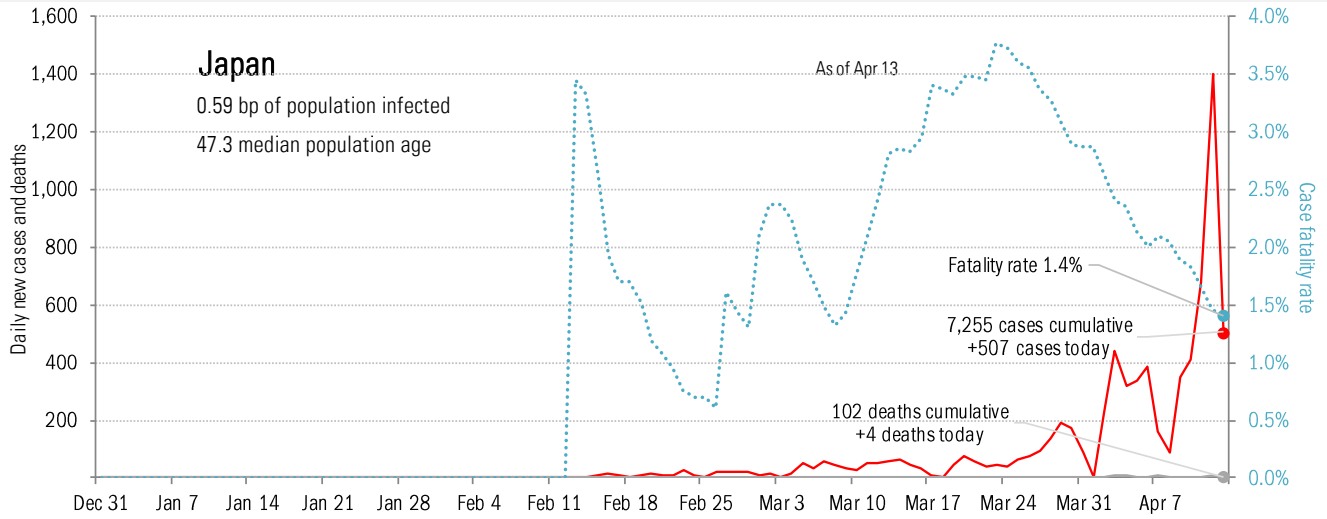


# Patient zero... and then everyone else



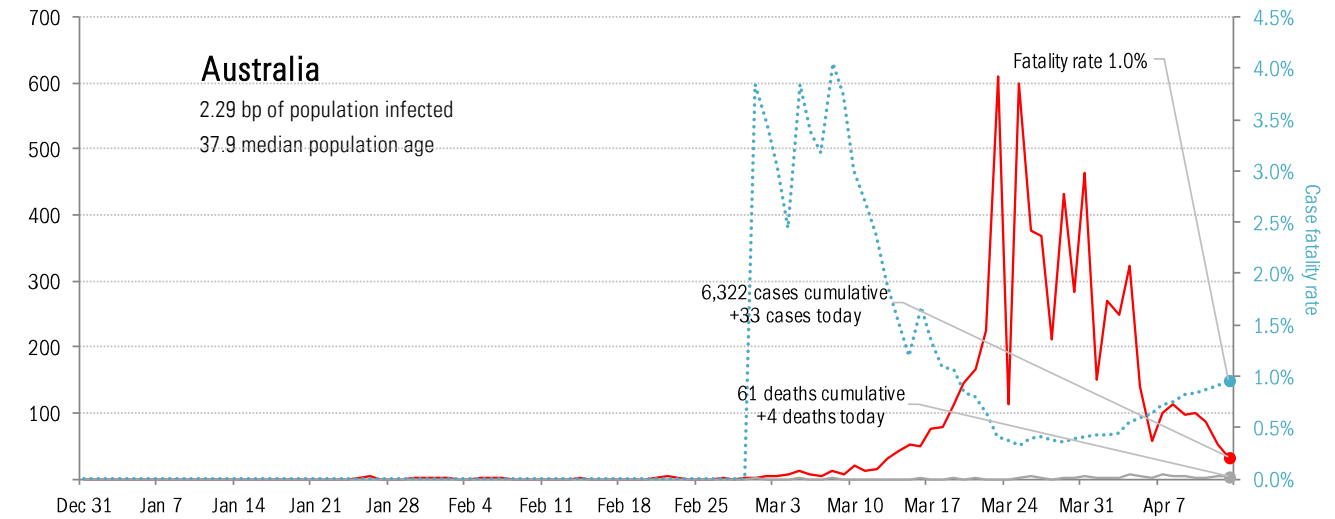
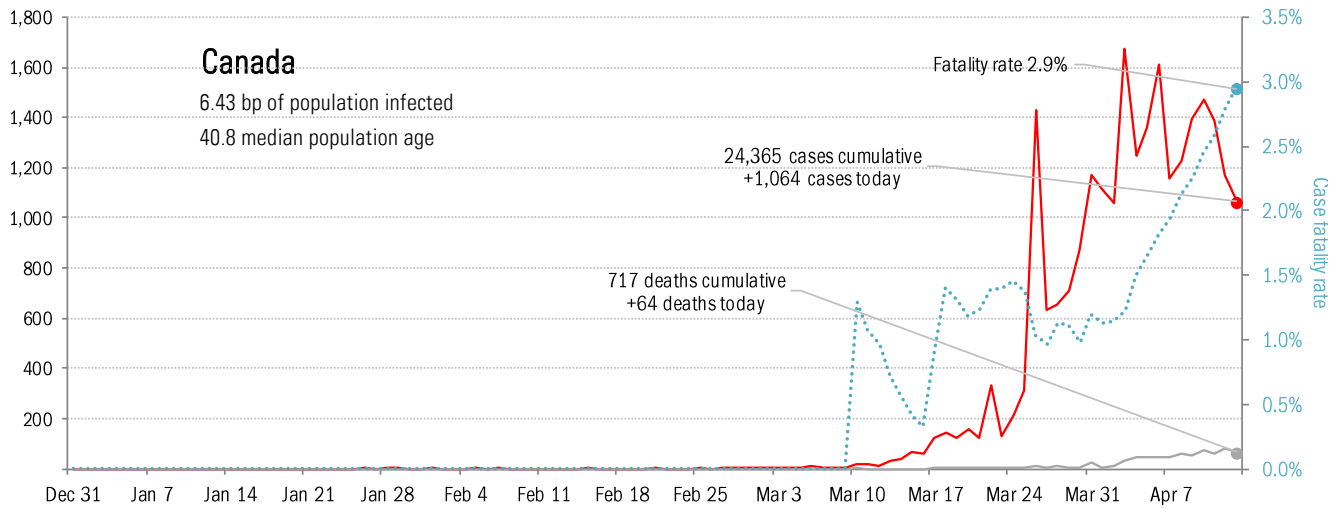
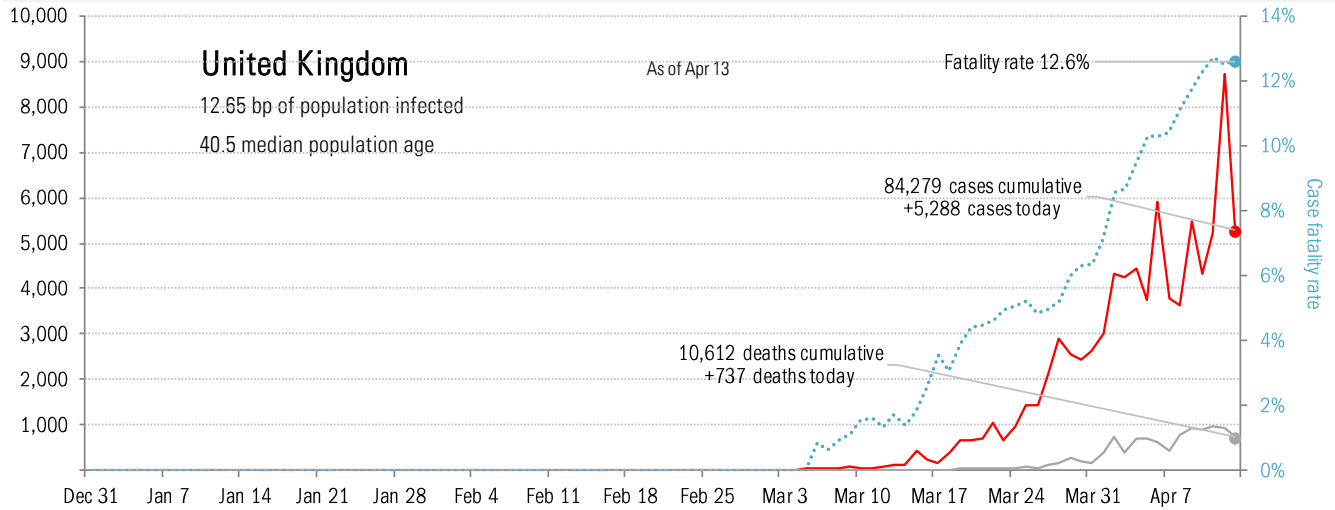
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



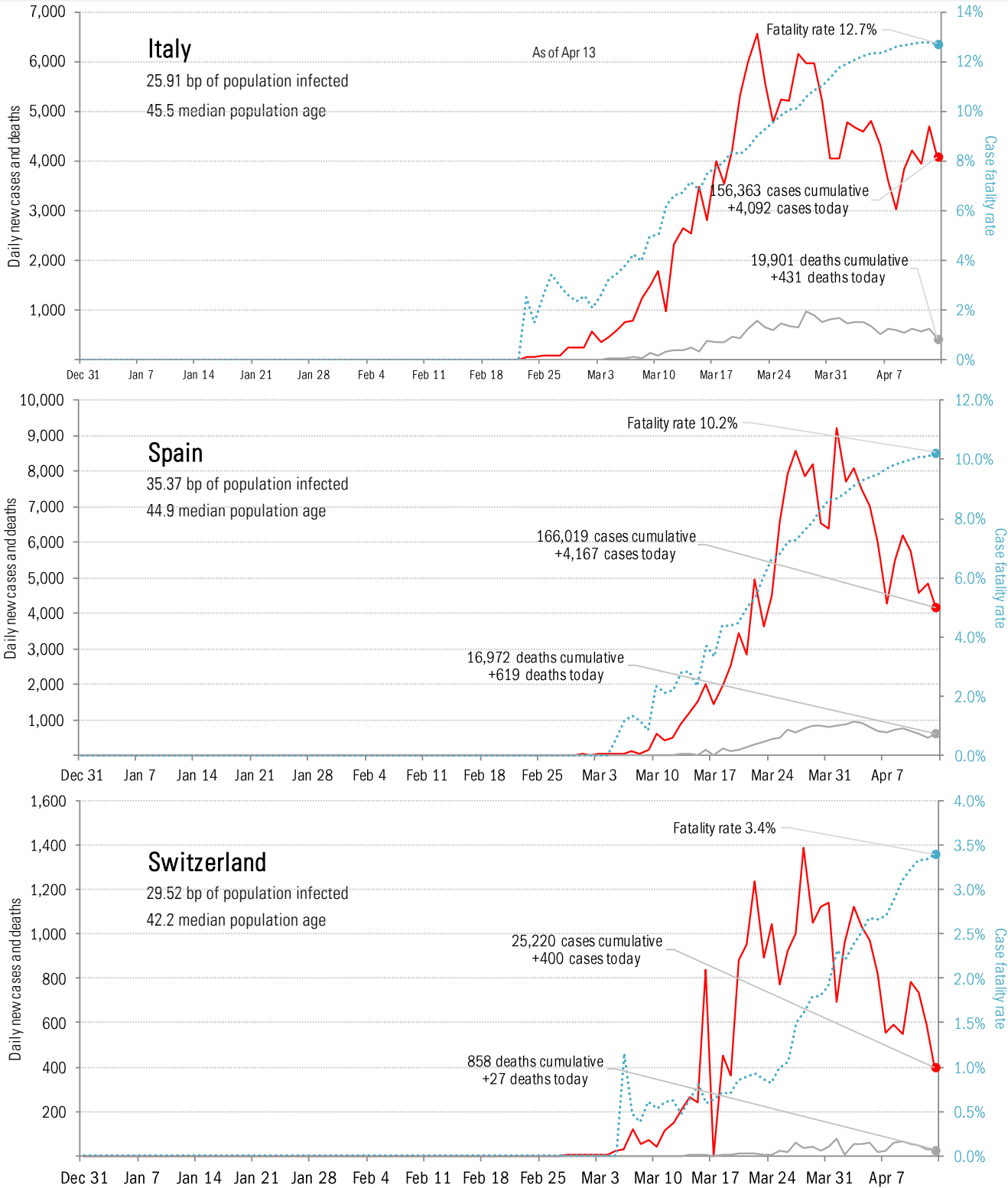
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



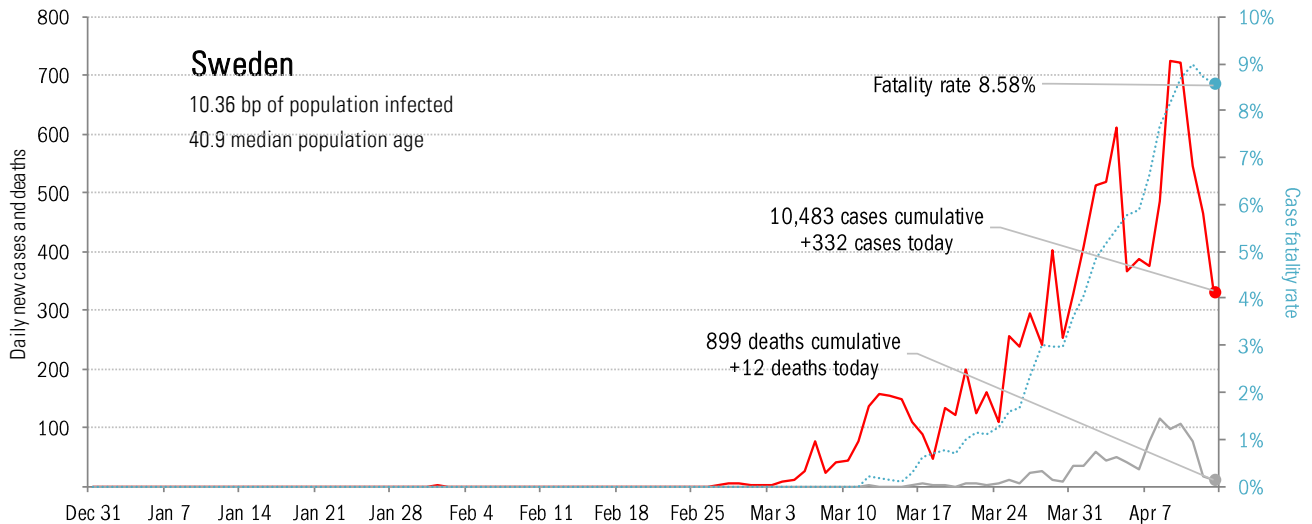
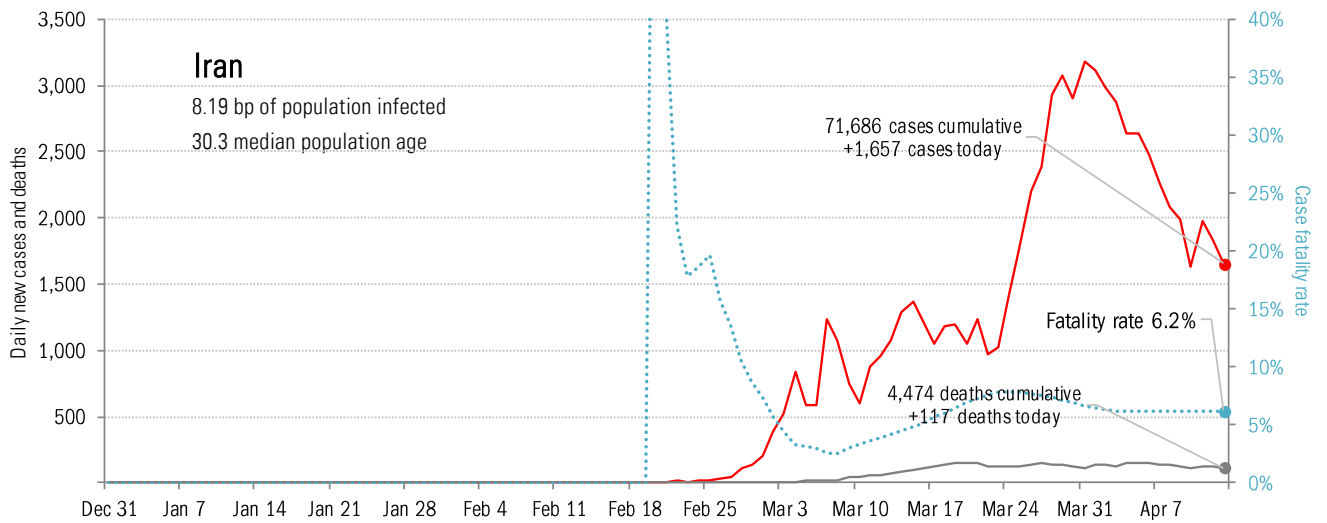
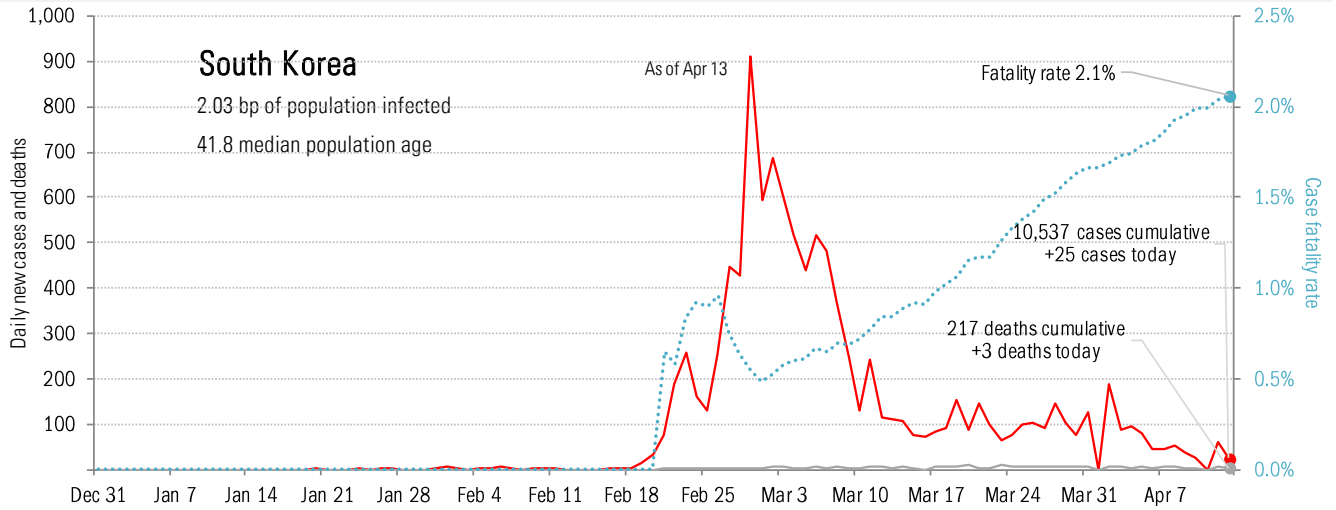
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations