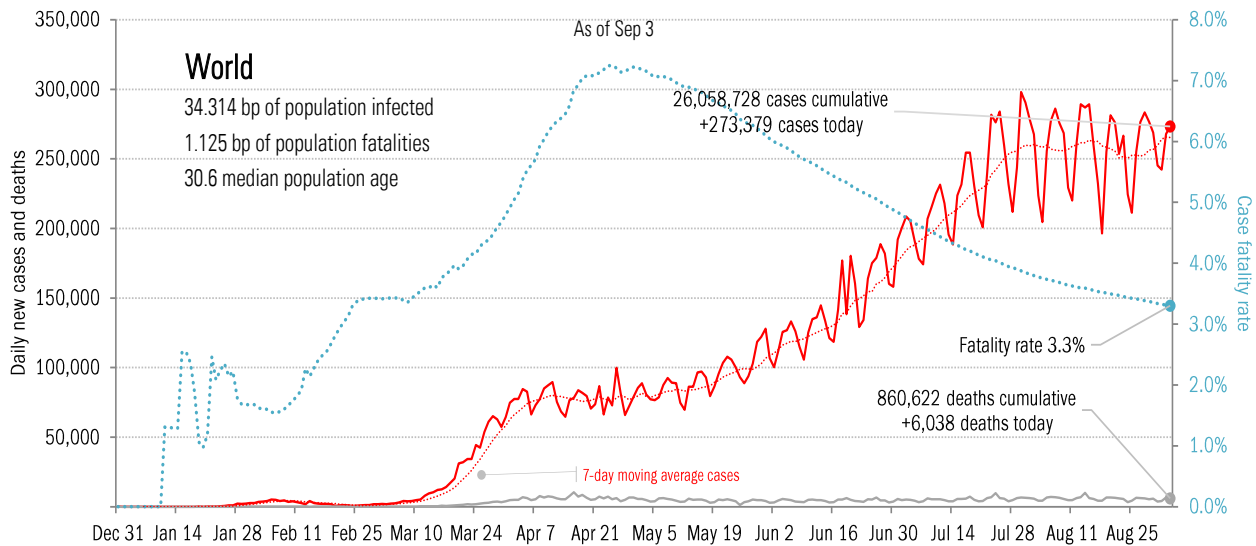
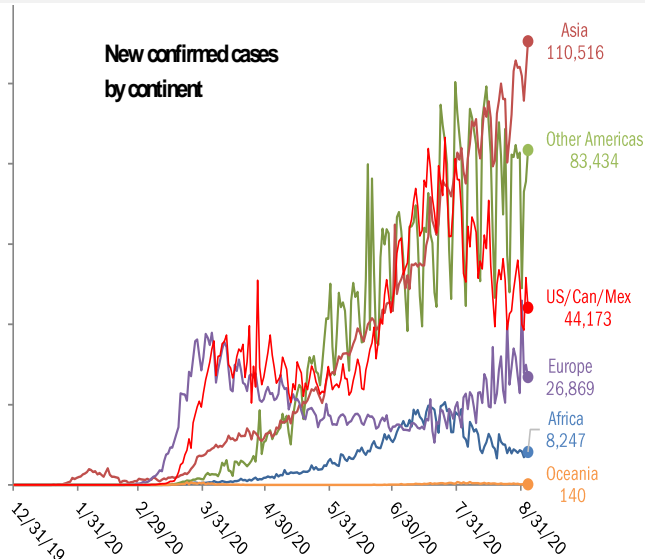


## Data Insights: Covid-2019 Monitor

Thursday, September 3, 2020

### The global scorecard

| The worst ten countries |          |               |        |
|-------------------------|----------|---------------|--------|
| New cases               |          | New Deaths    |        |
| India                   | +83,883  | Brazil        | +1,184 |
| Brazil                  | +46,934  | US            | +1,055 |
| US                      | +38,754  | India         | +1,043 |
| Argentina               | +10,504  | Mexico        | +575   |
| Colombia                | +9,270   | Colombia      | +296   |
| France                  | +7,017   | Argentina     | +241   |
| Peru                    | +6,308   | Peru          | +191   |
| Russia                  | +4,952   | South_Africa  | +126   |
| Mexico                  | +4,921   | Iran          | +125   |
| Iraq                    | +3,946   | Russia        | +115   |
| <b>+216,489</b>         |          | <b>+4,951</b> |        |
| World                   | +273,379 | World         | +6,038 |
| Top ten                 | 79%      | Top ten       | 82%    |



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

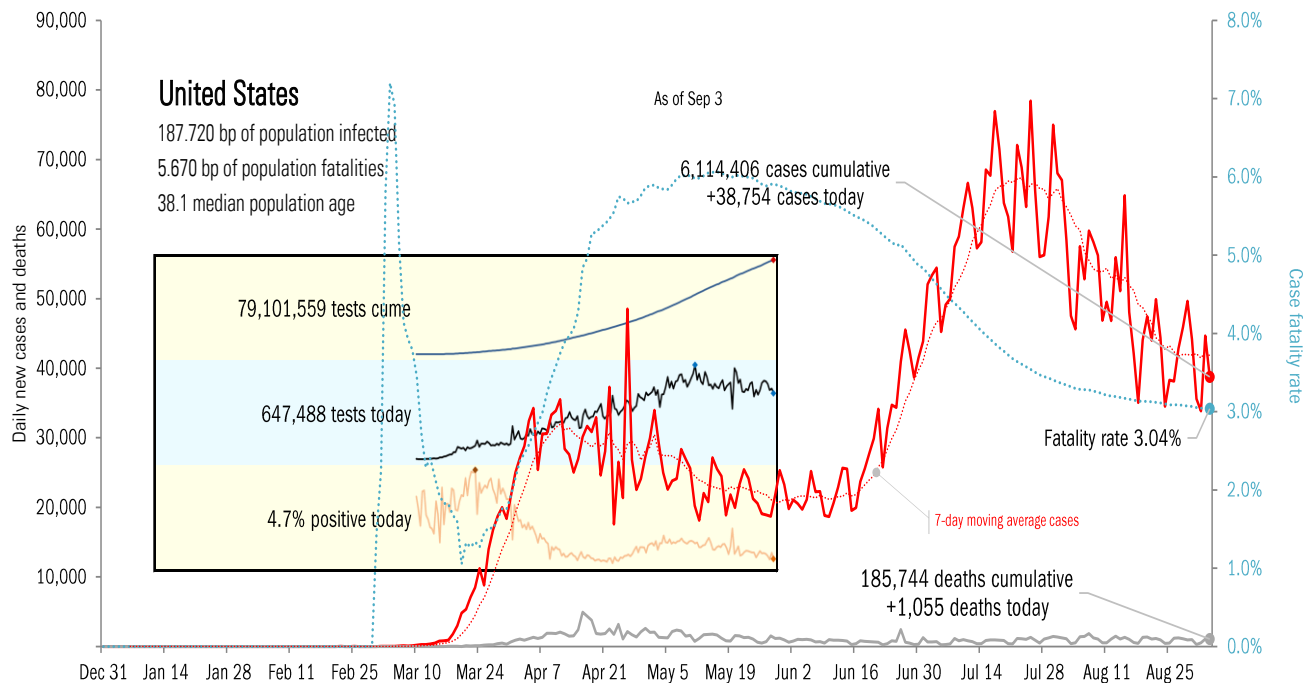
National and state-by-state data do not line up because of different sources

## The ten worst US states

| New cases      |         | New Deaths  |        | New in hospital |        | Curre cases      |           | Curre deaths   |         | Curre in hospital |         |
|----------------|---------|-------------|--------|-----------------|--------|------------------|-----------|----------------|---------|-------------------|---------|
| TX             | +4,334  | TX          | +189   | FL              | +300   | CA               | 712,052   | NY             | 25,336  | NY                | 89,995  |
| CA             | +4,255  | CA          | +145   | AL              | +215   | FL               | 632,925   | NJ             | 15,937  | FL                | 39,611  |
| IL             | +2,128  | FL          | +130   | VA              | +195   | TX               | 621,667   | CA             | 13,163  | GA                | 25,025  |
| GA             | +1,916  | GA          | +62    | GA              | +178   | NY               | 436,218   | TX             | 12,870  | NJ                | 22,707  |
| FL             | +1,885  | NC          | +38    | CH              | +95    | GA               | 274,613   | FL             | 11,651  | AZ                | 21,449  |
| TN             | +1,502  | SC          | +37    | TN              | +83    | IL               | 240,345   | MA             | 9,060   | VA                | 16,433  |
| MO             | +1,458  | MS          | +33    | SC              | +78    | AZ               | 202,861   | IL             | 8,300   | AL                | 14,753  |
| KS             | +1,328  | VA          | +29    | OK              | +58    | NJ               | 192,595   | PA             | 7,712   | MD                | 14,351  |
| CH             | +1,157  | AR          | +27    | KS              | +57    | NC               | 170,553   | MI             | 6,781   | CH                | 13,574  |
| NC             | +1,129  | IL          | +27    | IN              | +49    | TN               | 157,831   | GA             | 5,795   | MA                | 12,295  |
| <b>+21,092</b> |         | <b>+717</b> |        | <b>+1,308</b>   |        | <b>3,641,660</b> |           | <b>116,605</b> |         | <b>270,193</b>    |         |
| All states     | +29,892 | All states  | +1,021 | All states      | +1,647 | All states       | 6,071,774 | All states     | 177,645 | All states        | 373,864 |
| Top ten        | 71%     | Top ten     | 70%    | Top ten         | 79%    | Top ten          | 60%       | Top ten        | 66%     | Top ten           | 72%     |

## Five most improved US states

| Fewer daily cases |        | Fewer new deaths |     | Fewer new hospitalizations |      | Most recoveries |        |
|-------------------|--------|------------------|-----|----------------------------|------|-----------------|--------|
| MA                | -8,112 | FL               | -60 | MA                         | -113 | TX              | +7,226 |
| FL                | -5,684 | GA               | -39 | FL                         | -69  | LA              | +6,514 |
| NC                | -982   | CH               | -16 | GA                         | -65  | AL              | +3,126 |
| AL                | -935   | LA               | -14 | AR                         | -58  | PA              | +2,018 |
| WI                | -458   | IL               | -11 | AL                         | -56  | TN              | +1,790 |



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

## Recommended reading

[C.D.C. Tells States How to Prepare for Covid-19 Vaccine by Early November](#)

Sheila Kaplan, Katherine J. Wu and Katie Thomas  
*New York Times*  
September 2, 2020

[Steroids cut death rates among critically ill COVID-19 patients, major study finds](#)

Kate Kelland  
*Reuters*  
September 2, 2020

[Back to School: No Excuses](#)

*Wall Street Journal*  
September 2, 2020

[Processing Readiness of Election and Political Mail During the 2020 General Elections](#)

Office of the Inspector General  
*US Postal Service*  
August 31, 2020

[Wear a mask while having sex, Canada's top doctor suggests](#)

Julie Gordon  
*Reuters*  
September 2, 2020

[Unemployment Benefits Update: 41 States Approved for FEMA's Lost Wages Assistance Program](#)

*House Ways and Means Committee*  
September 1, 2020

[In China's Xinjiang, forced medication accompanies lockdown](#)

Dale Kang  
*Associated Press*  
August 31, 2020

[Philadelphia mayor seen dining indoors while city's restaurants can only serve outside](#)

Greg Norman  
*Fox News*  
September 1, 2020

[It Has Come to This: Ignore the C.D.C.](#)

Harold Varms and Rajiv Shah  
*New York Times*  
August 31, 2020

[The Health Department Stalls a FOIL Request for the Full COVID Death Toll in Nursing Homes](#)

Bill Hammond  
*Empire Center*  
September 1, 2020

[Pelosi used shuttered San Francisco hair salon for blow-out, owner calls it 'slap in the face'](#)

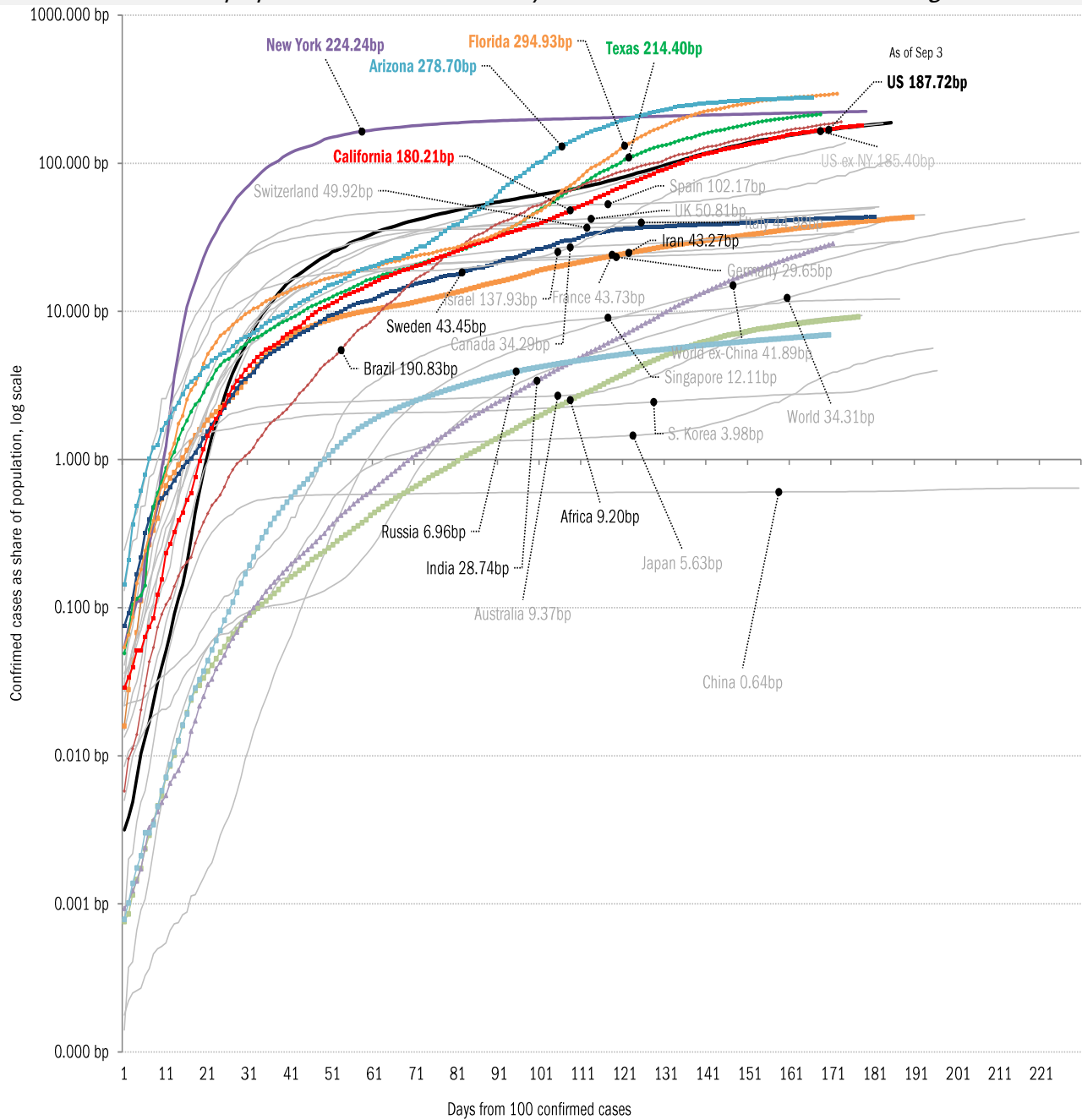
Brooke Singman  
*Fox News*  
September 1, 2020

## Meme of day



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

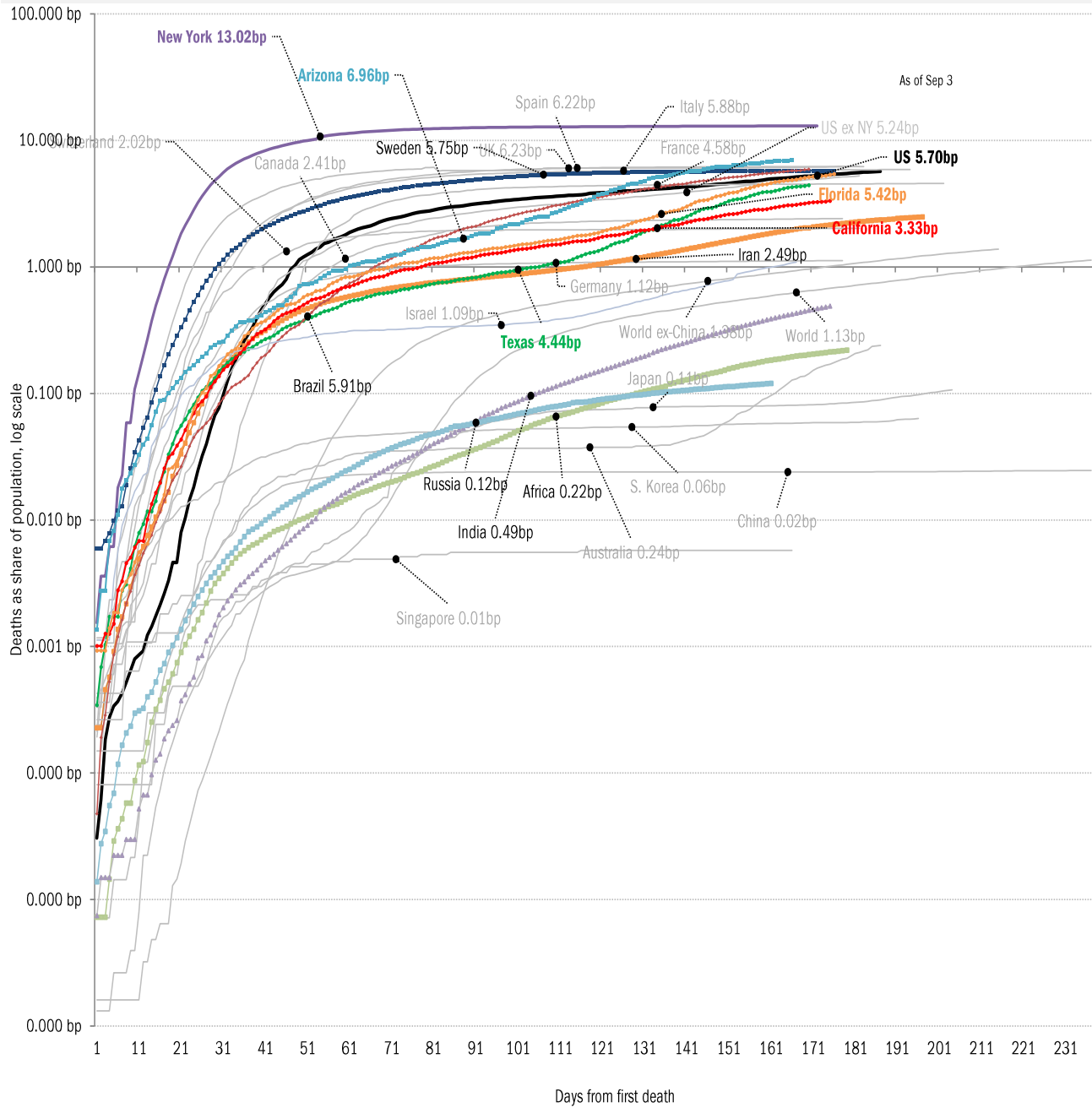
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## Share of deceased population from day of first fatality

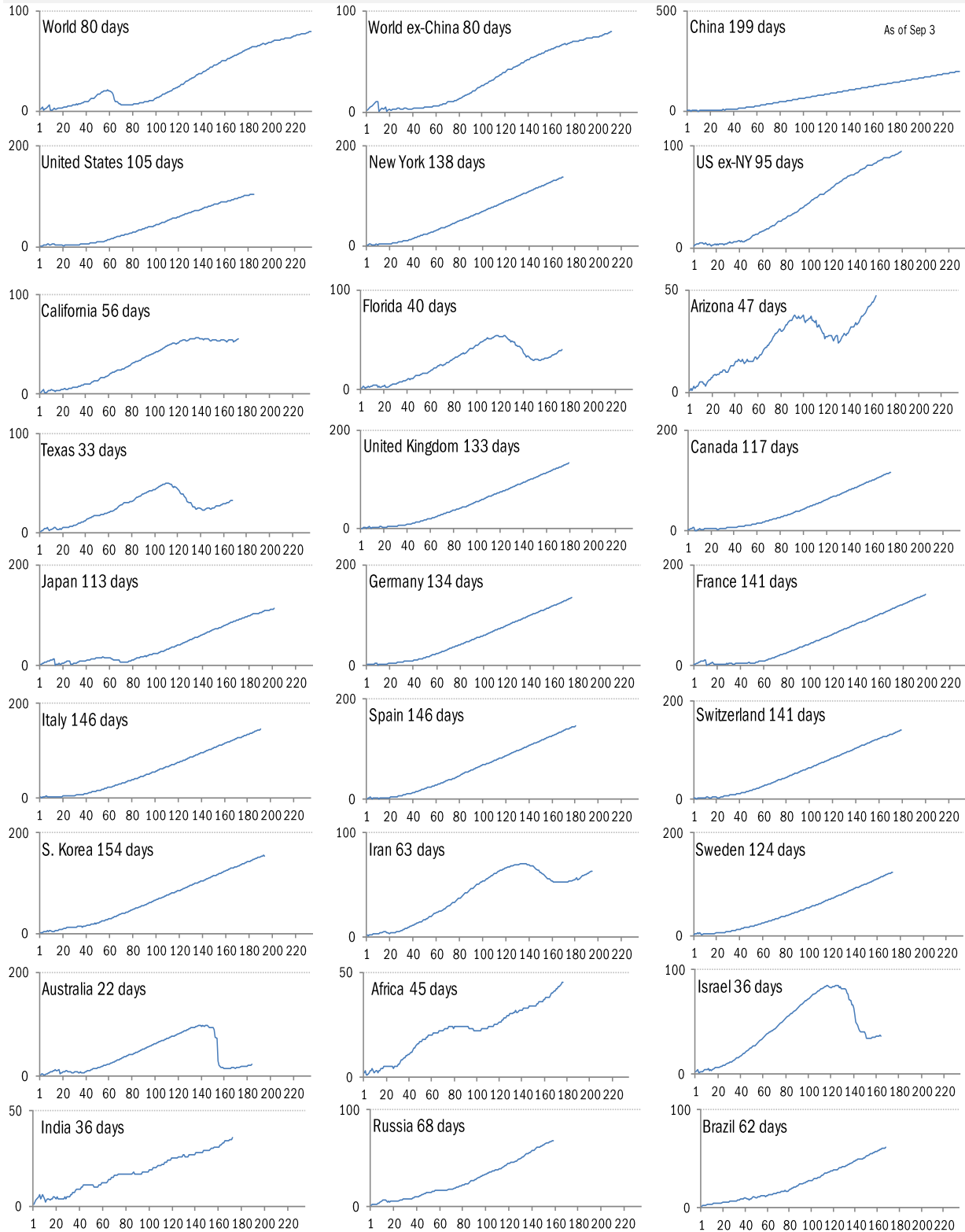


Source: [ECDC](#), TrendMacro calculations

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

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

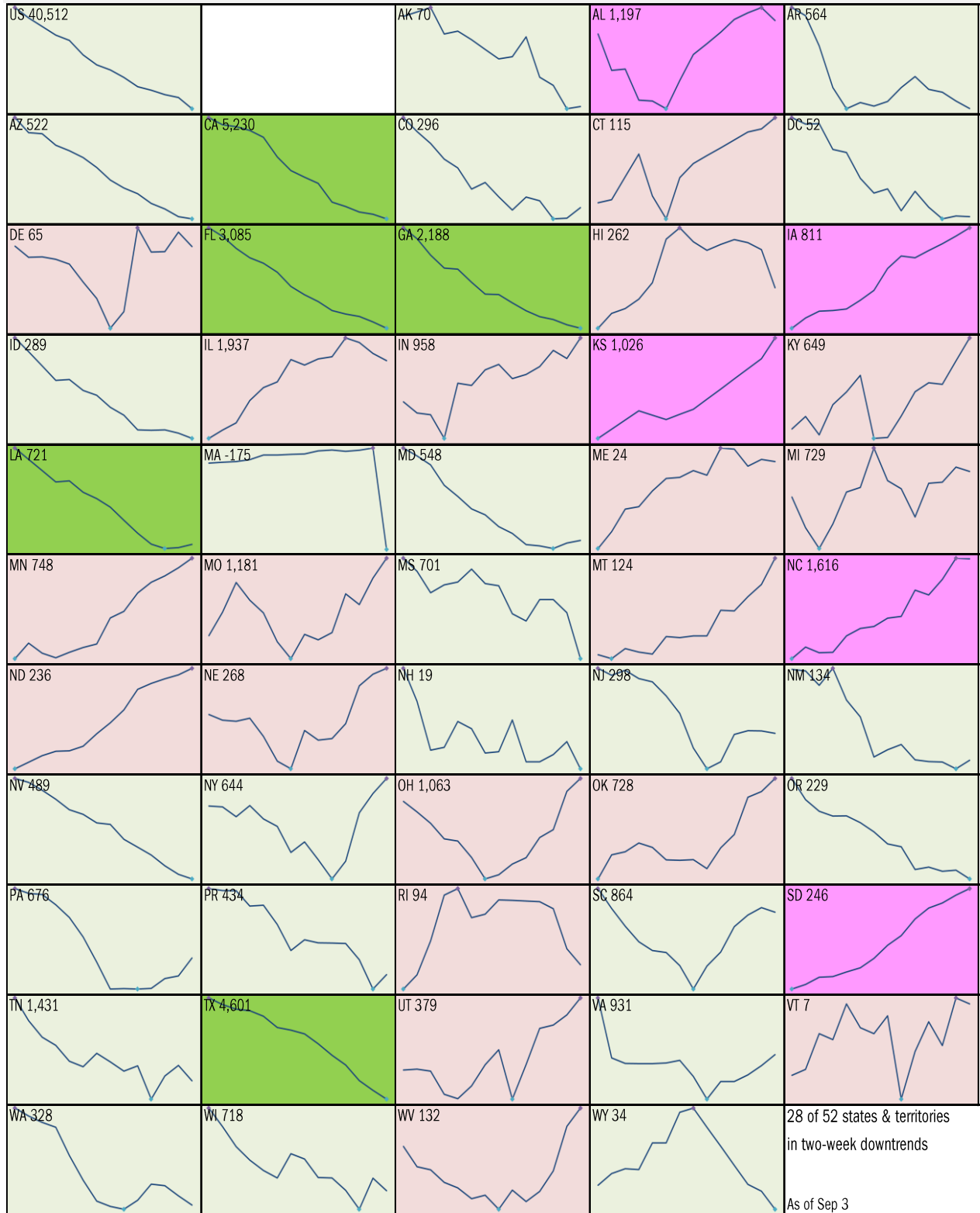


Source: [ECDC](https://ecdc.europa.eu/), TrendMacro calculations

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

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst

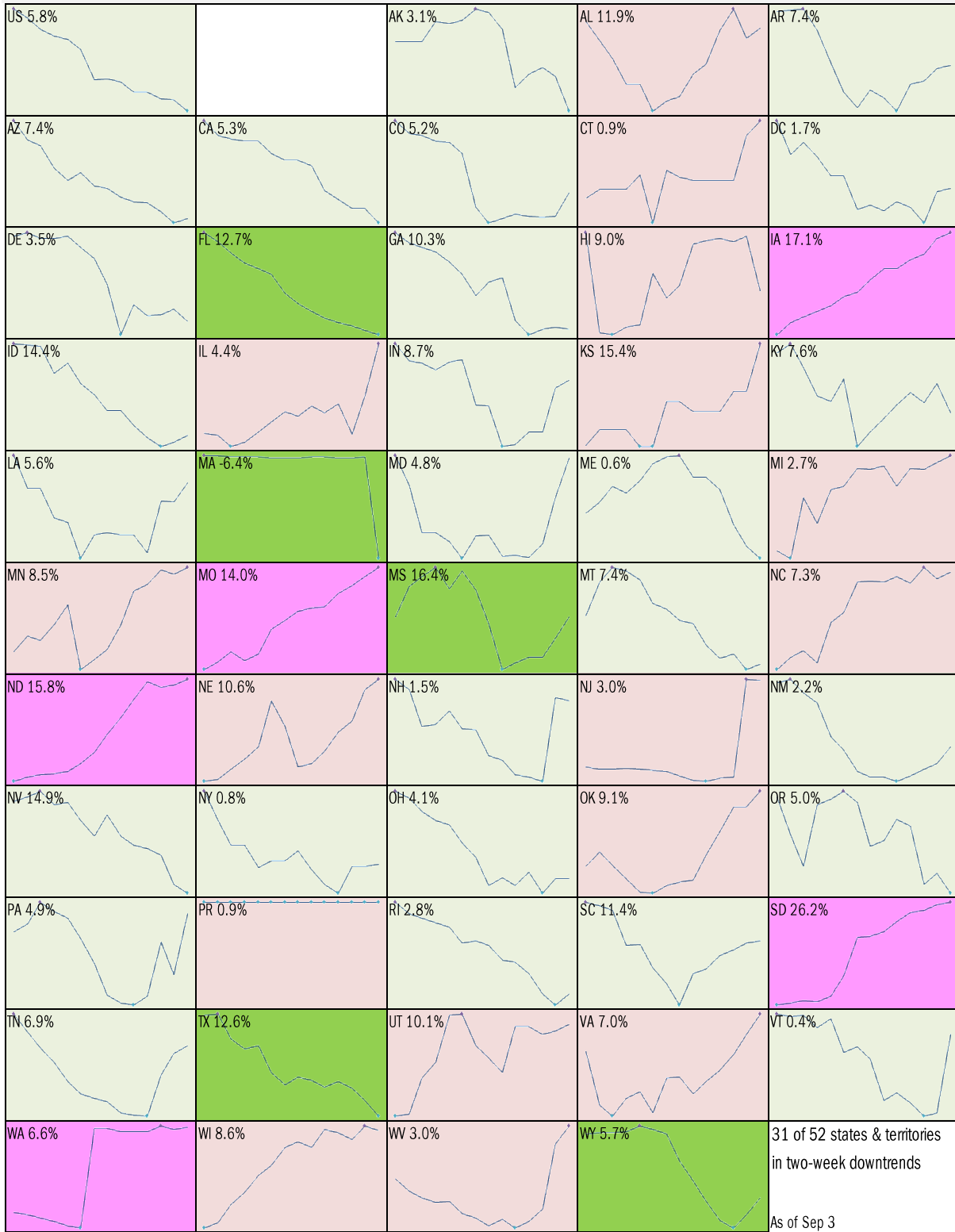


Source: [Covid Tracking Project](#), TrendMacro calculations

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

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

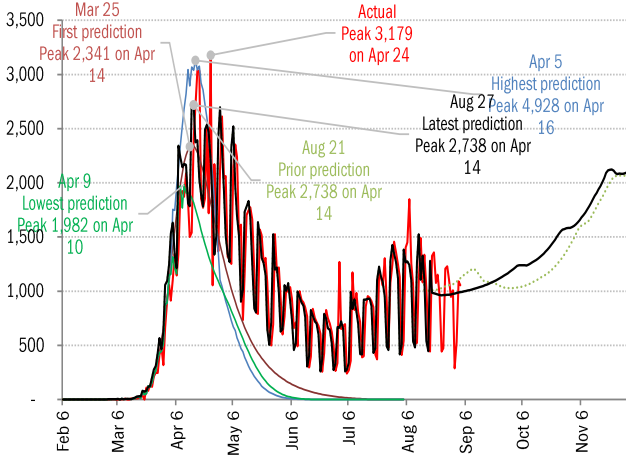


# Reality-checking the models: actuals versus [IHME](#) predictions

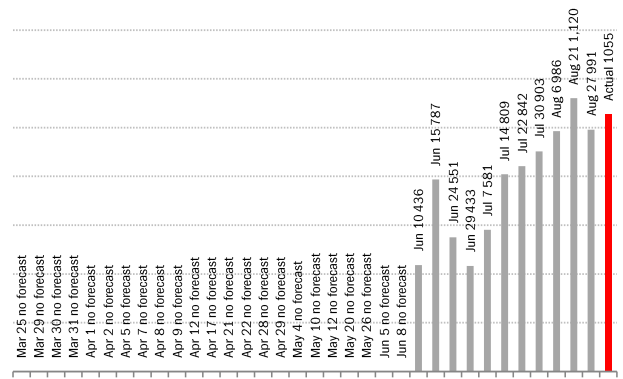
## New daily fatalities

As of Sep 3

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

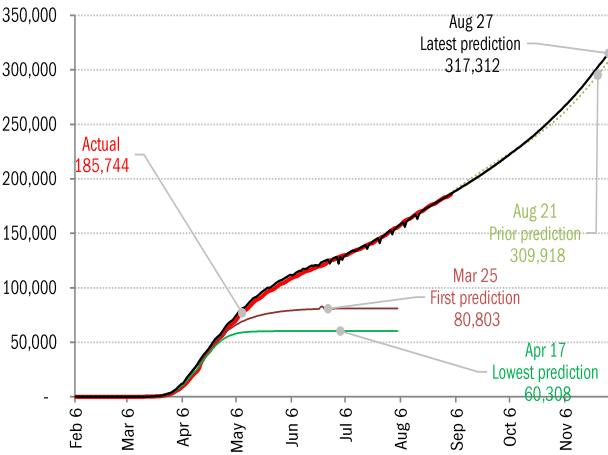


For this day, versus all model mean predictions

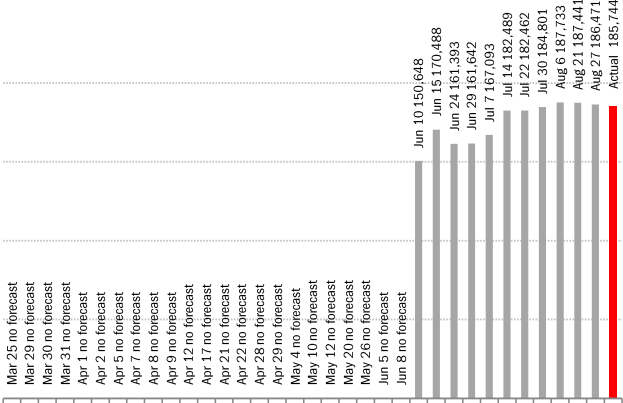


## Cumulative fatalities

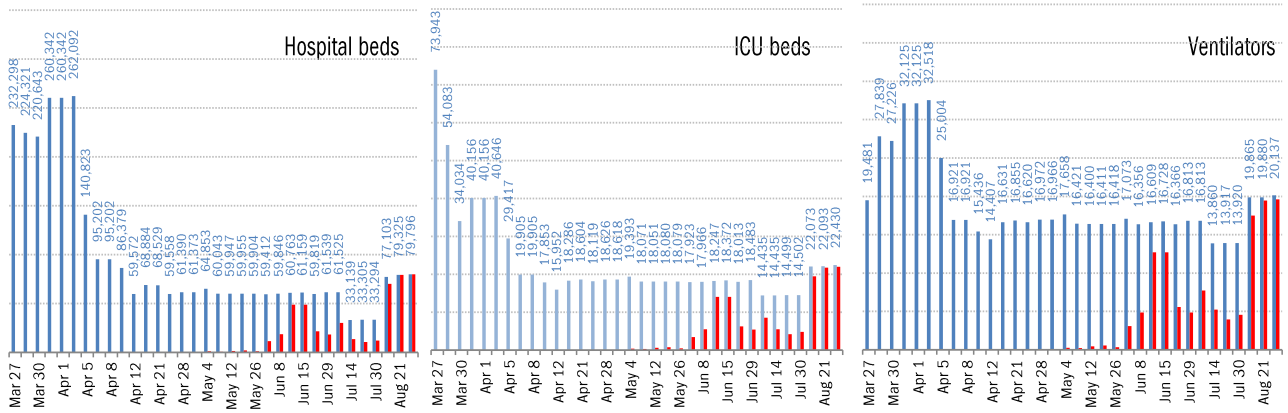
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

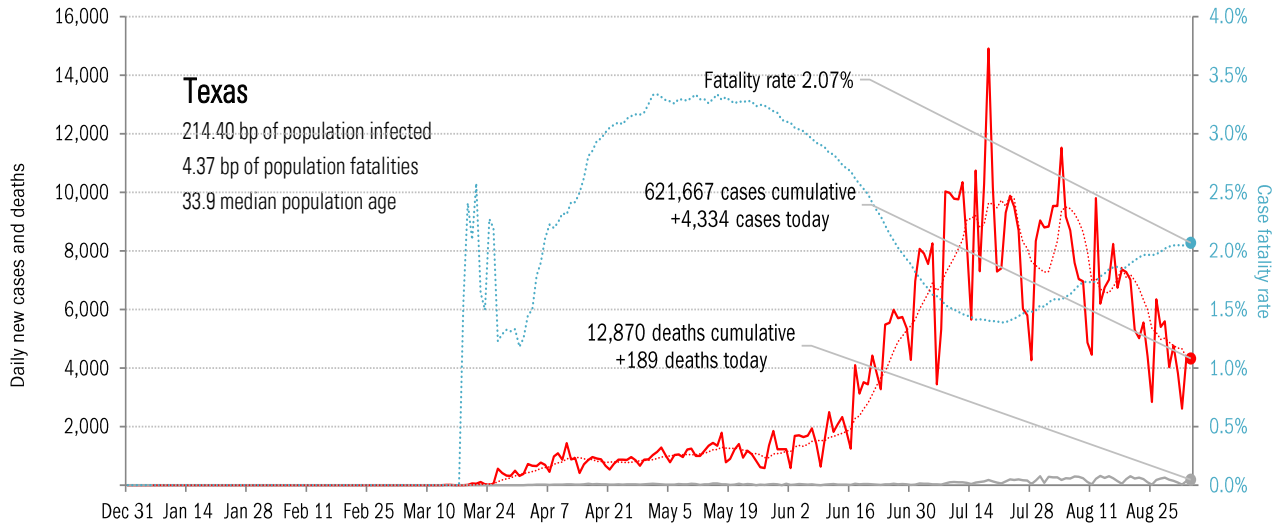
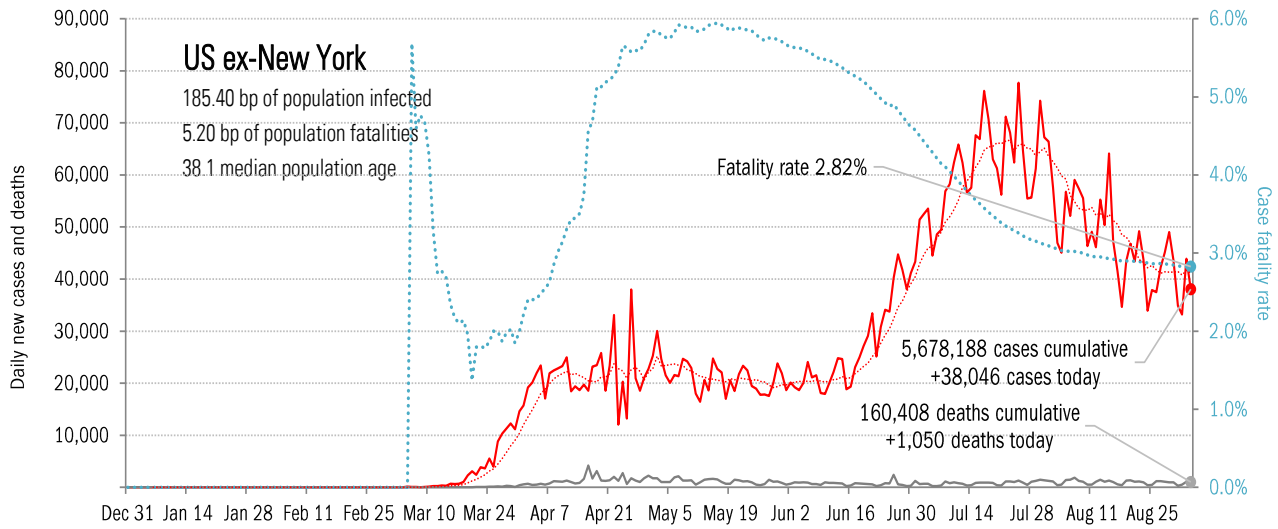
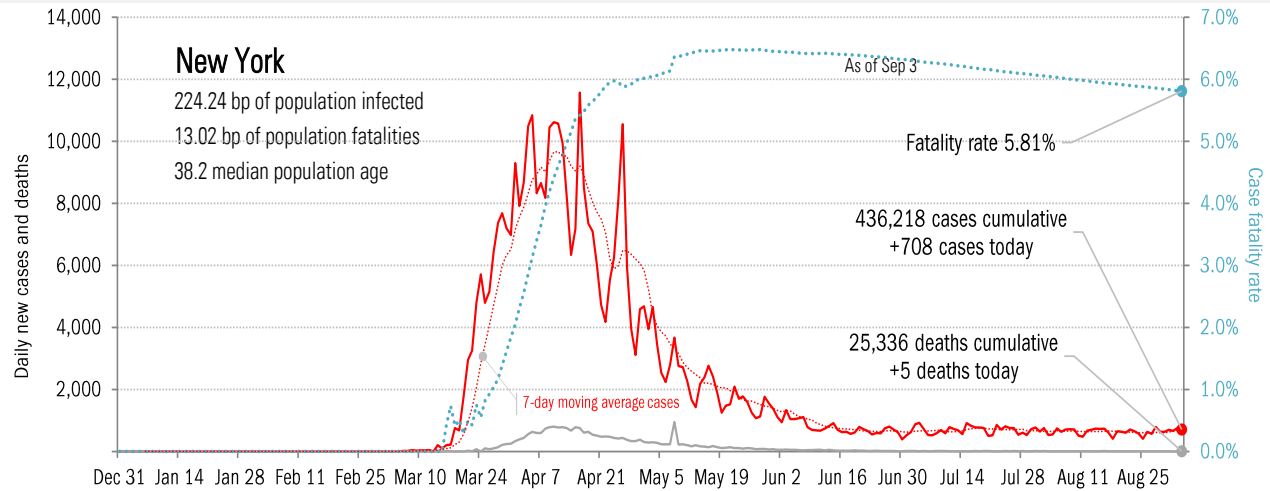


## Healthcare system stress, peak and ultimate estimated at each model revision



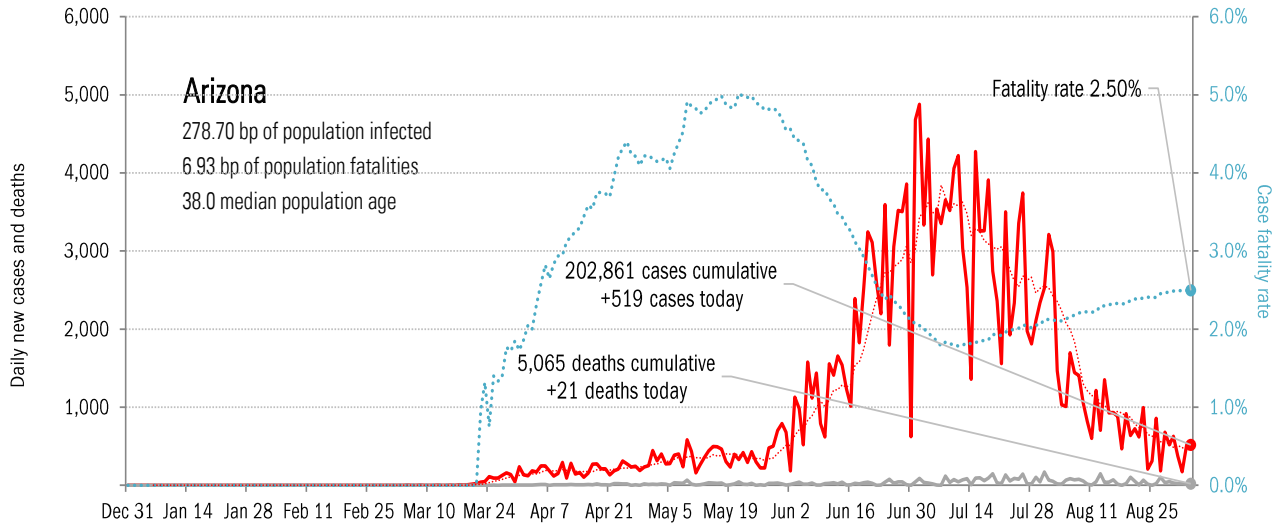
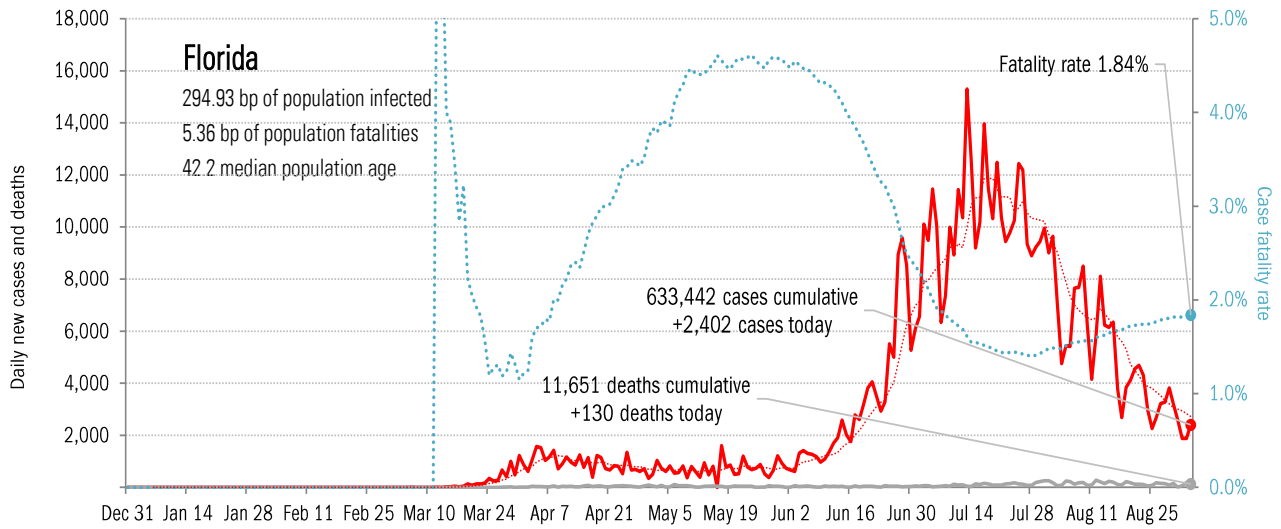
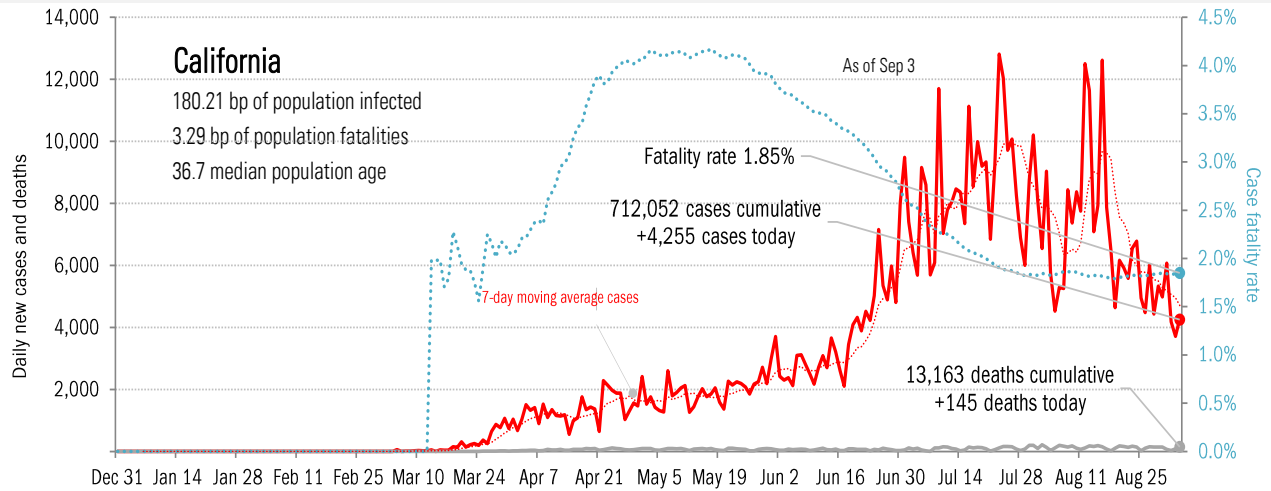
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



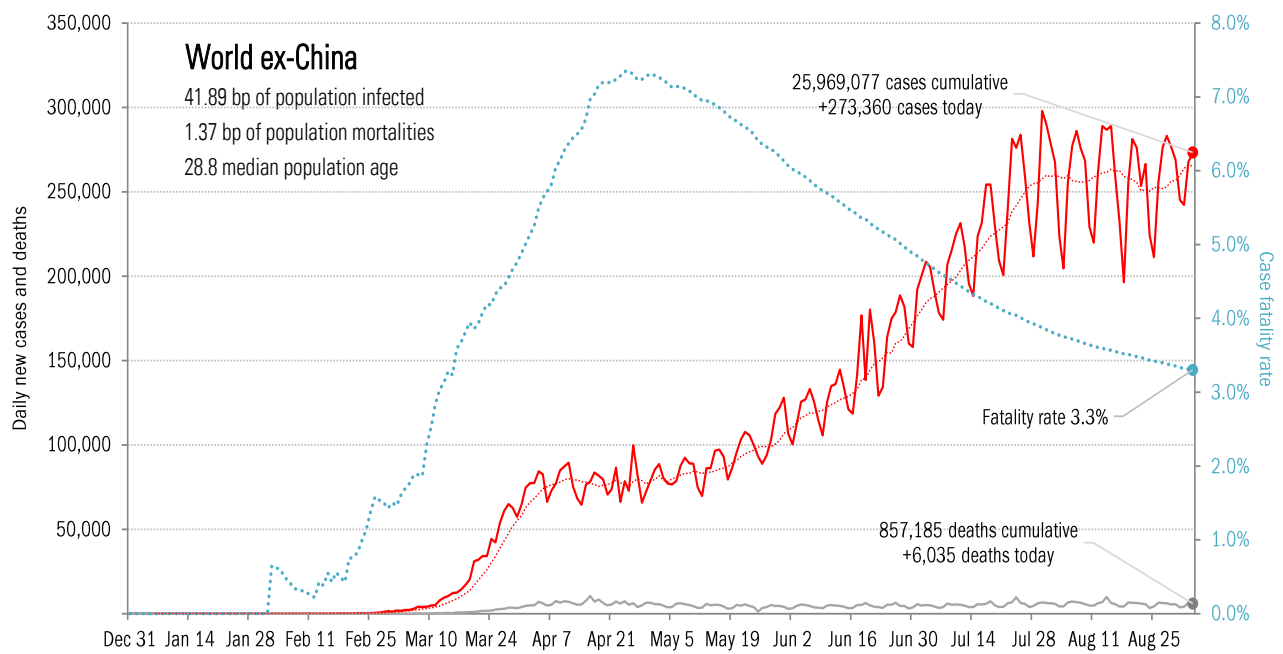
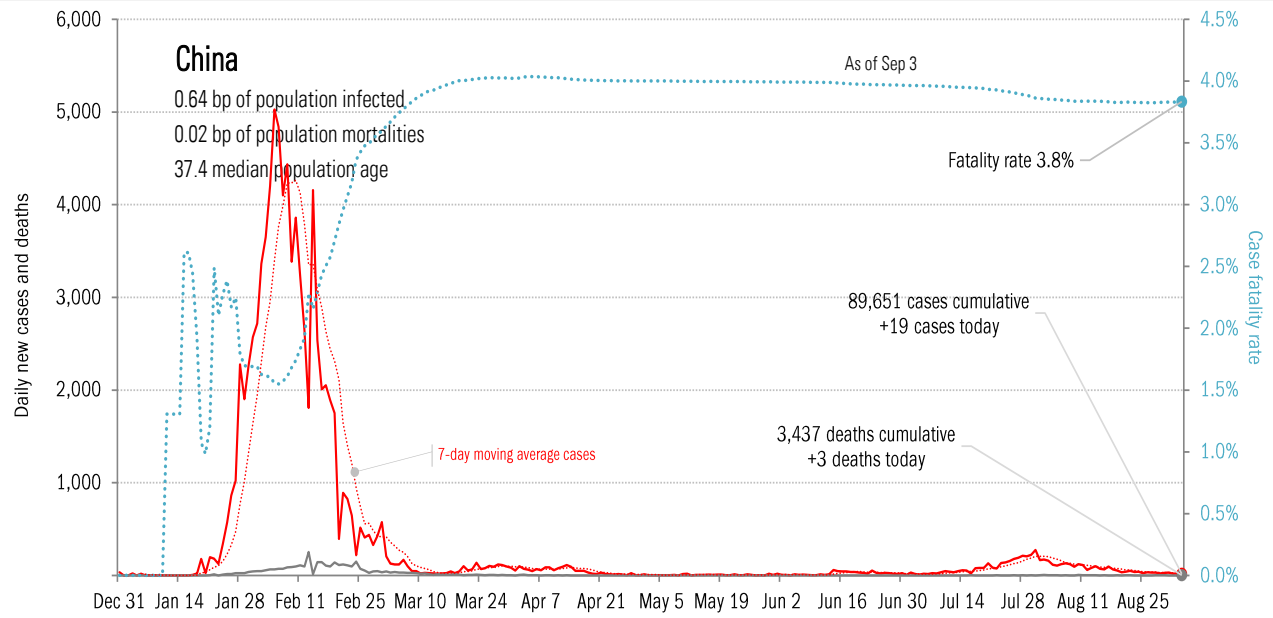
Source: [ECDC](#), TrendMacro calculations

# The sun-belt hot-spot states (other than Texas)



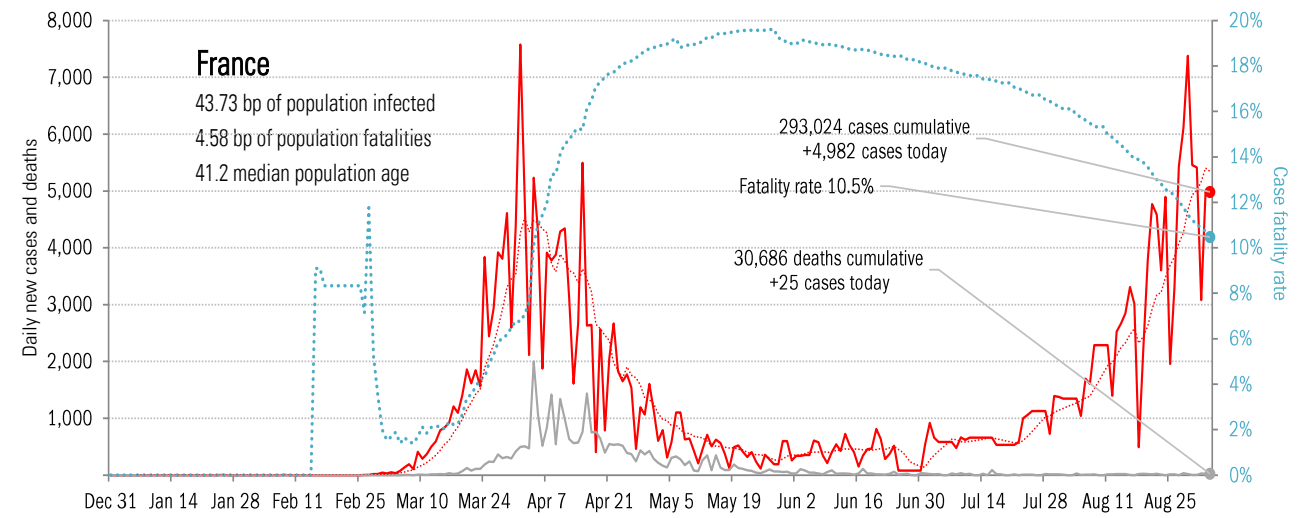
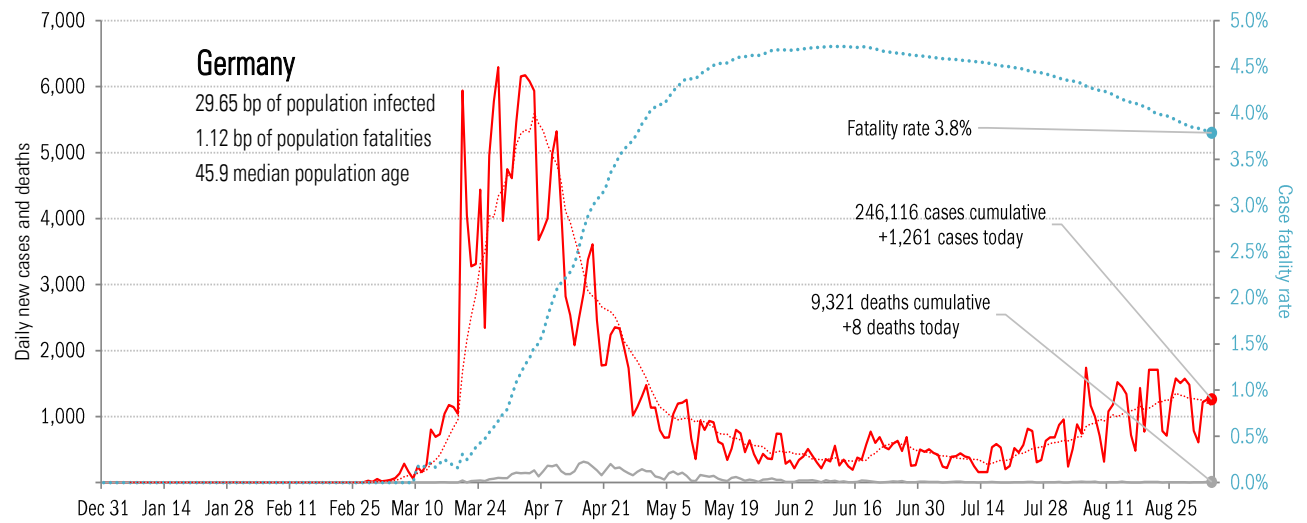
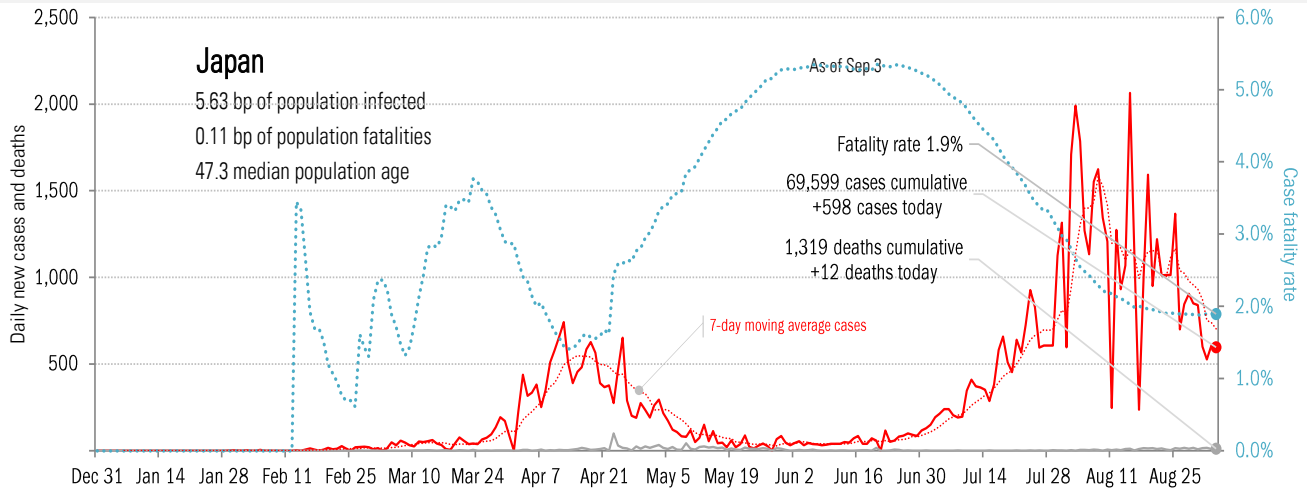
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



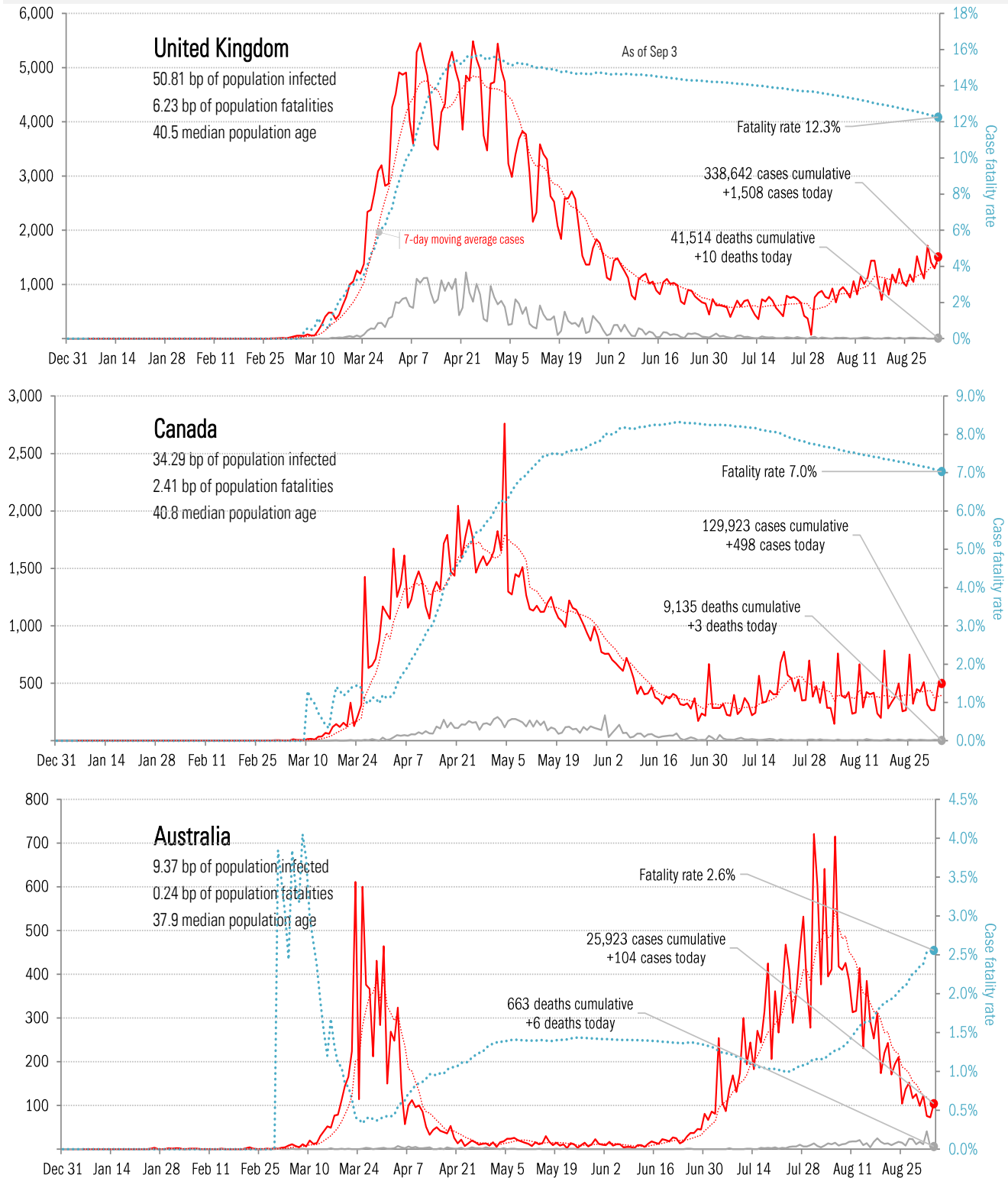
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



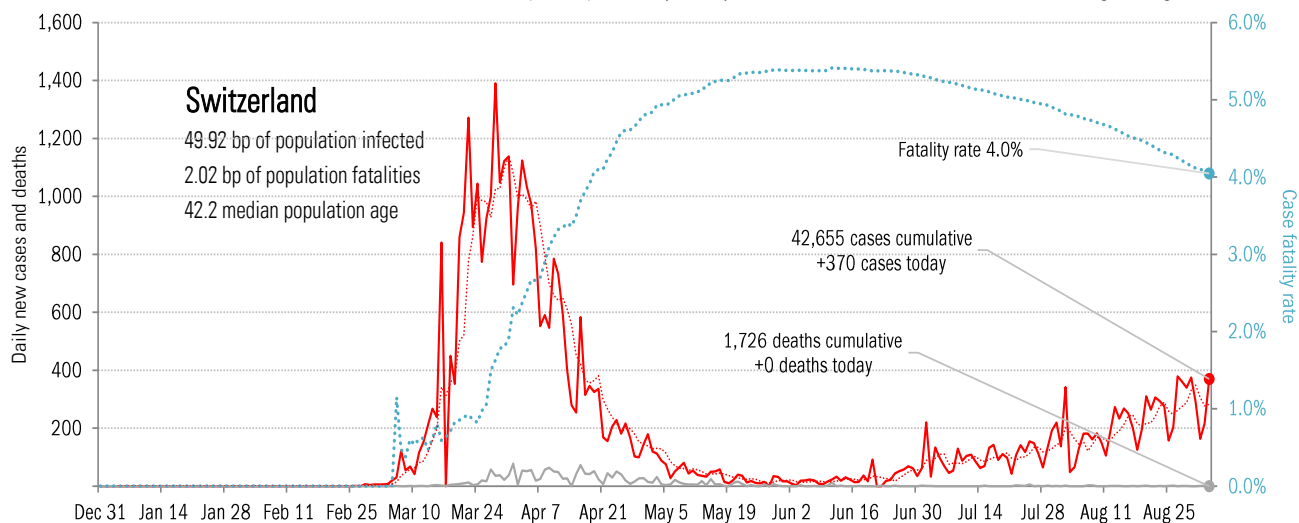
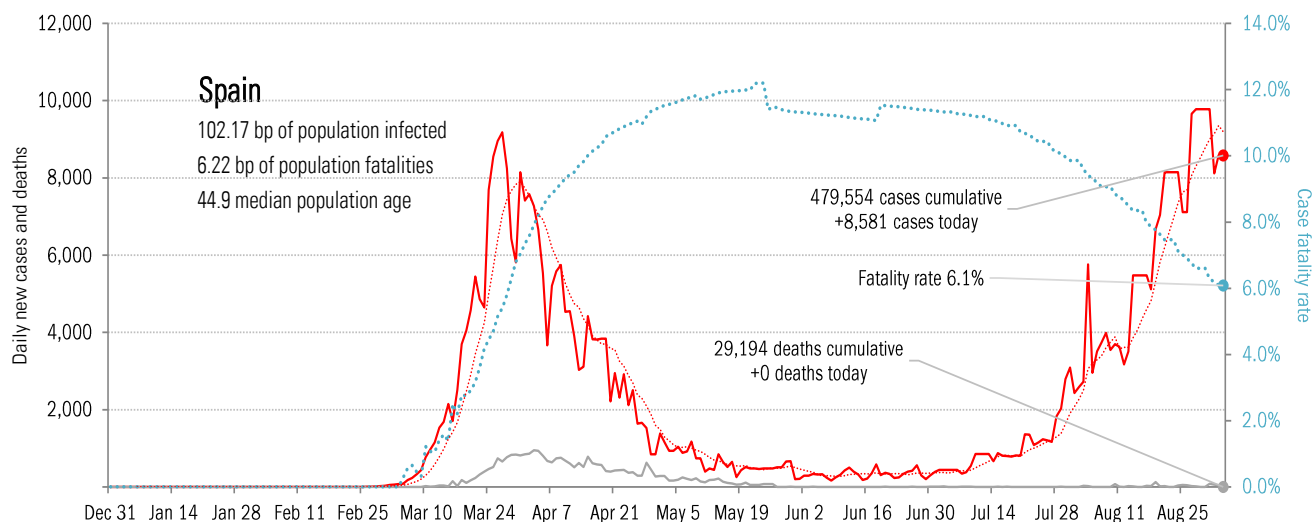
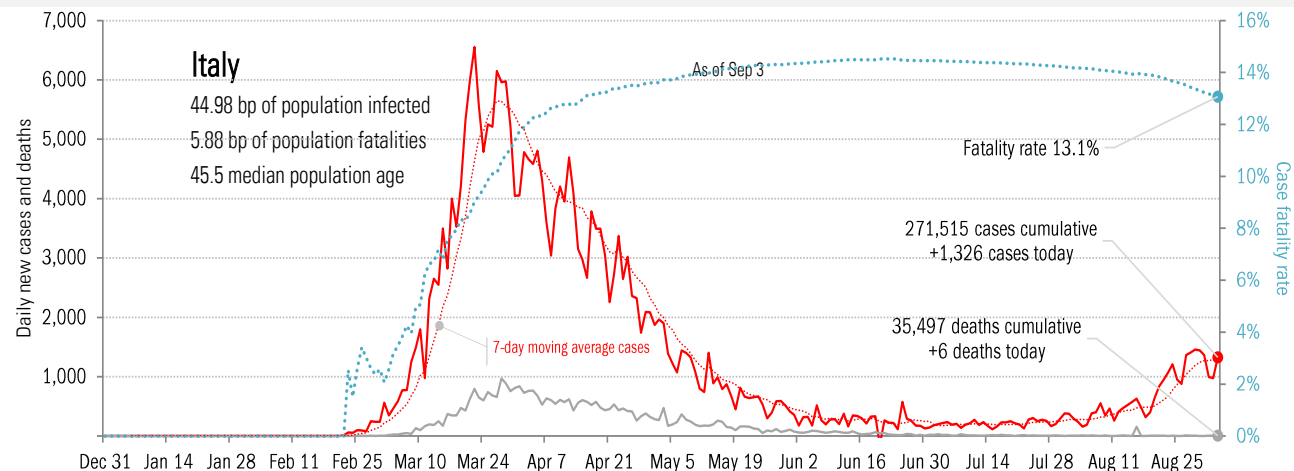
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



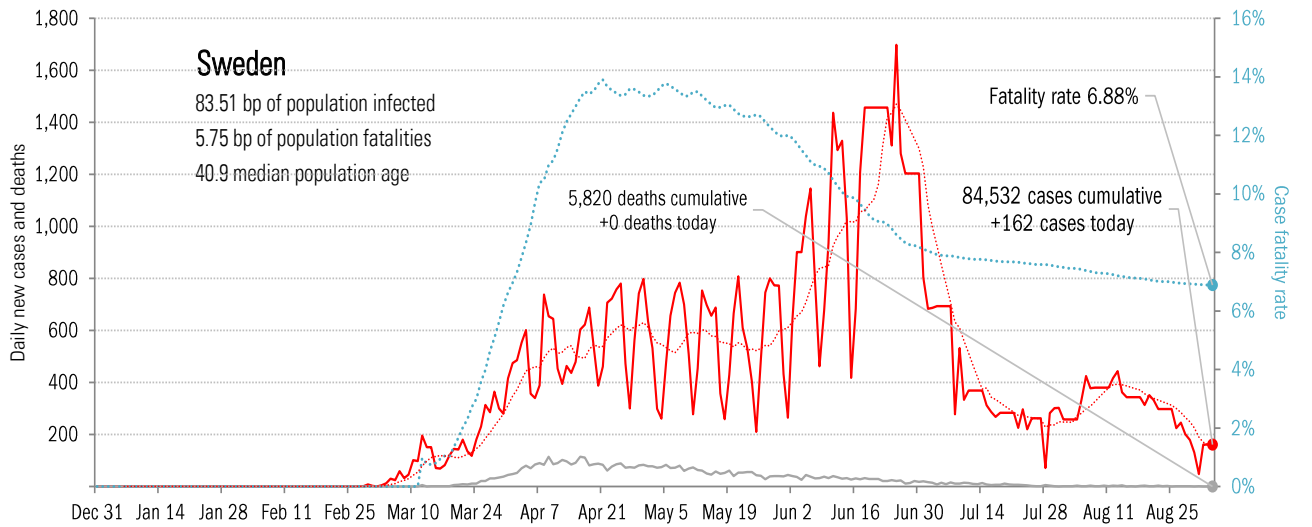
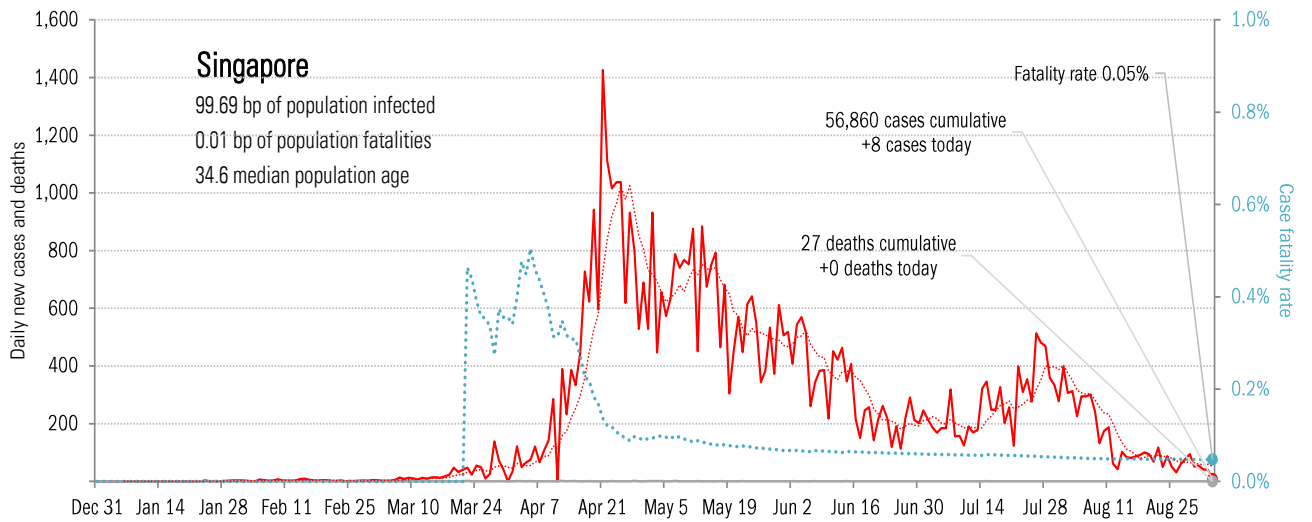
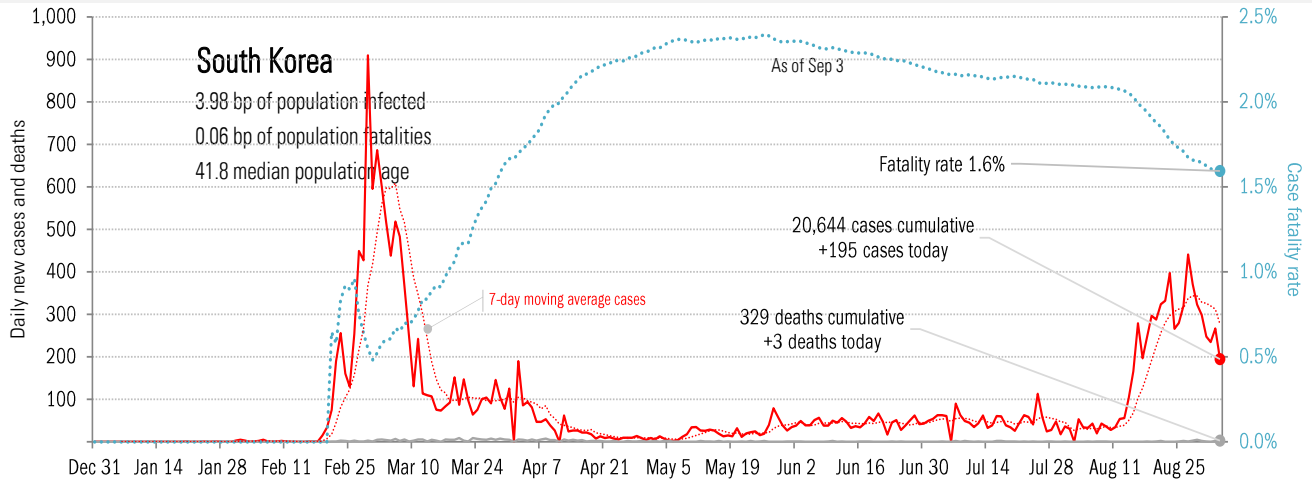
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

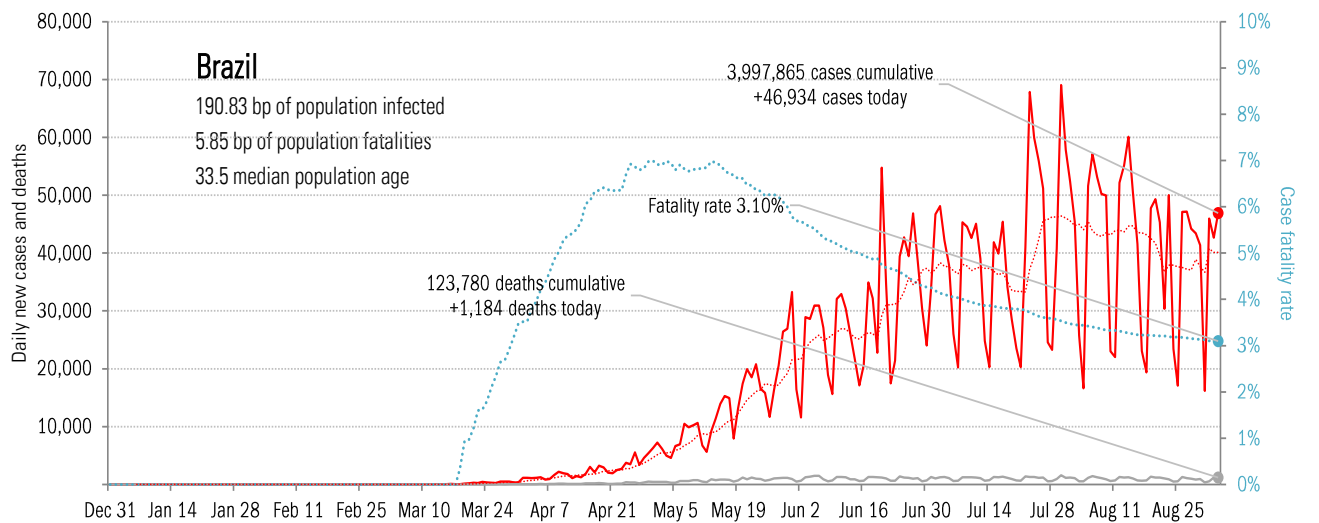
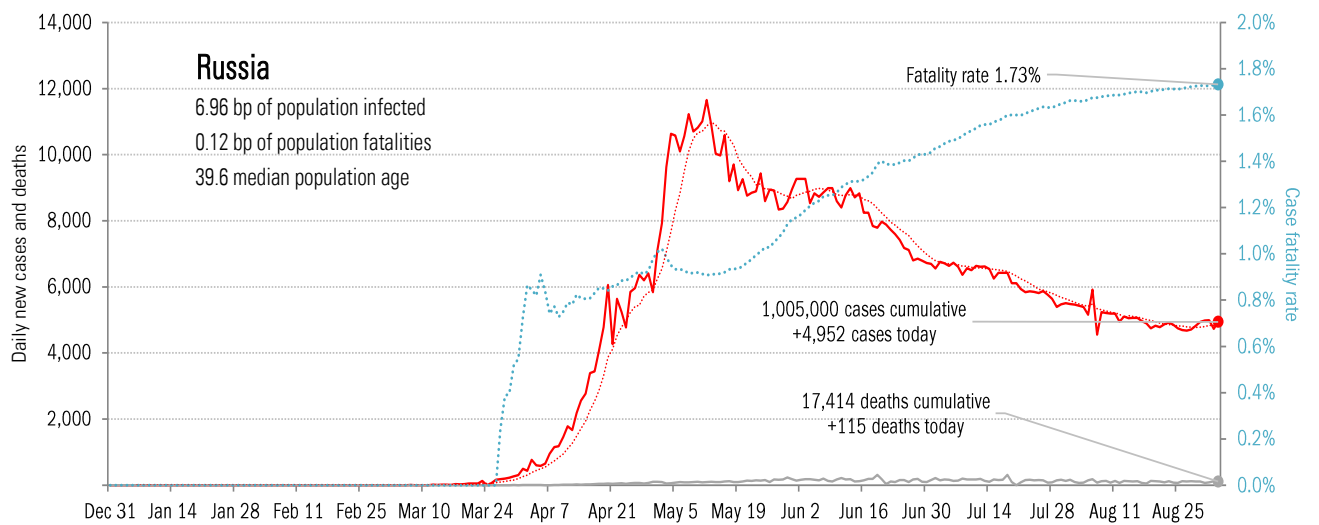
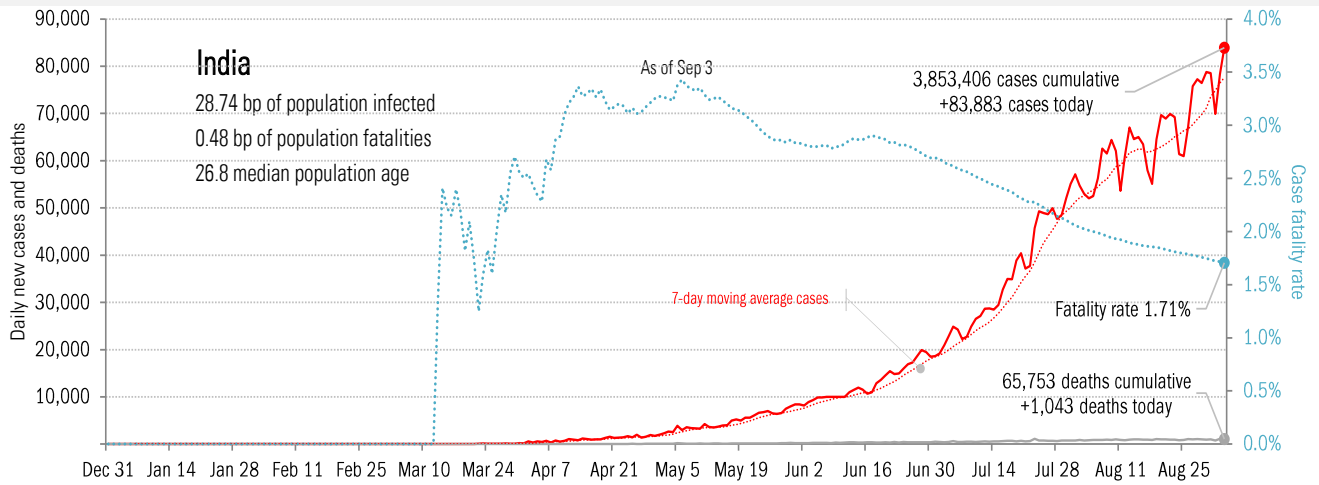
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

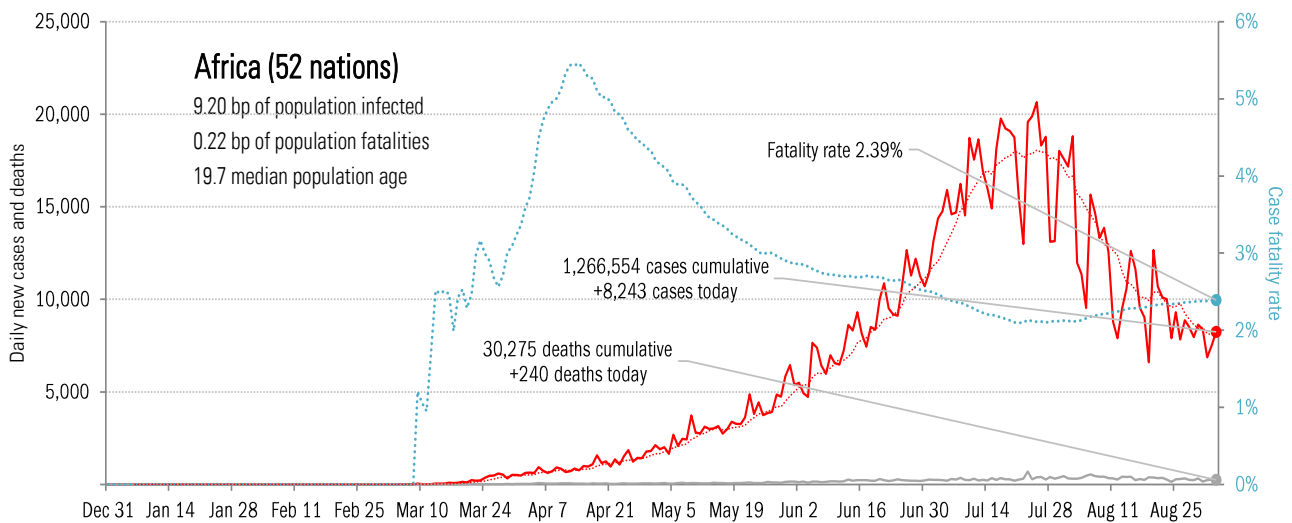
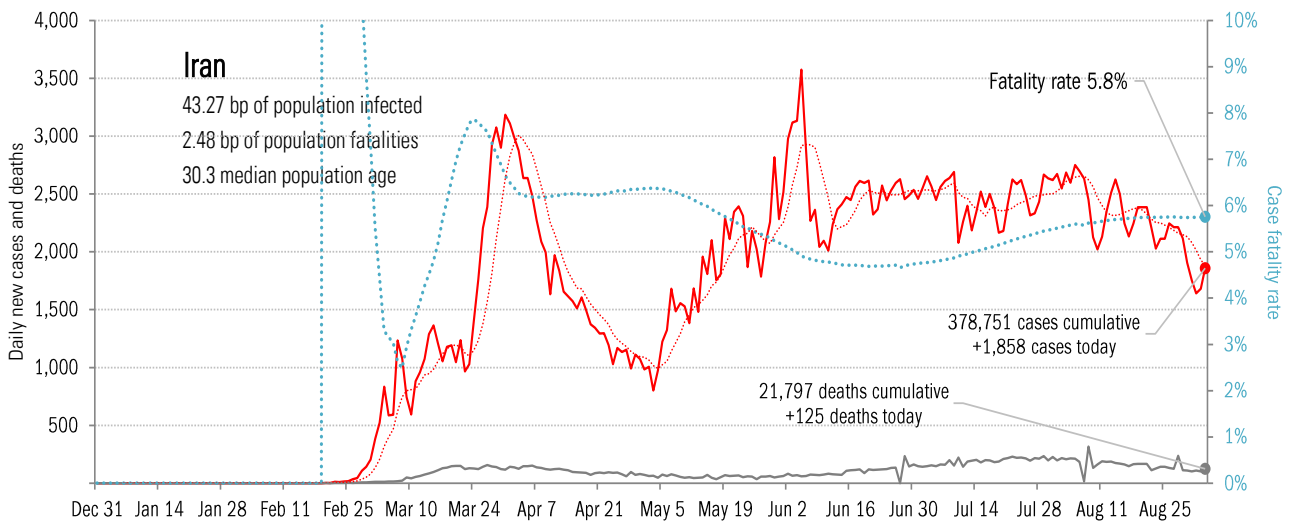
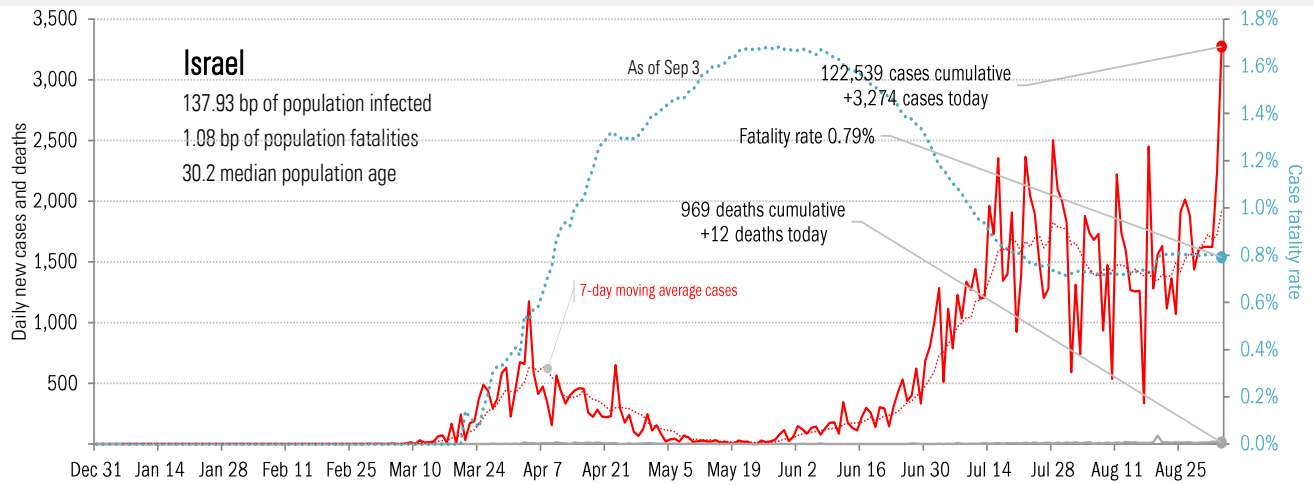


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations