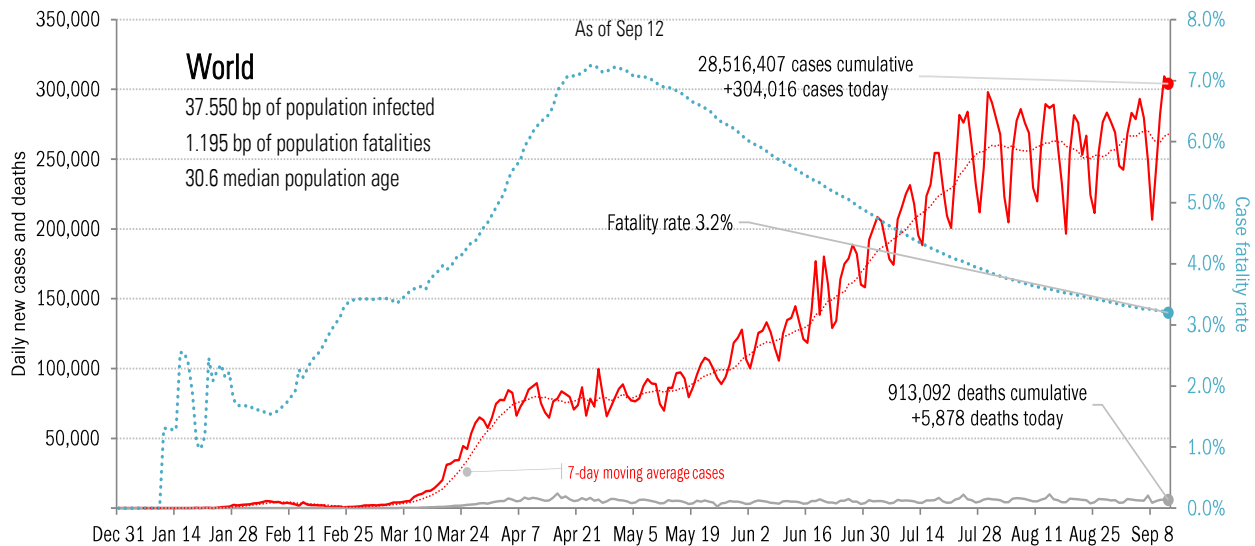
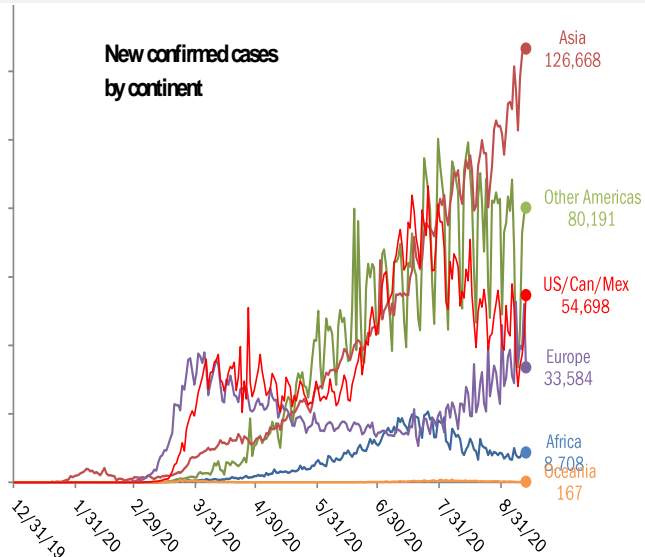


Data Insights: Covid-2019 Monitor

Saturday, September 12, 2020

The global scorecard

| The worst ten countries | | | |
|-------------------------|----------|---------------|--------|
| New cases | | New Deaths | |
| India | +97,570 | US | +1,227 |
| US | +48,061 | India | +1,201 |
| Brazil | +43,718 | Brazil | +874 |
| Argentina | +11,905 | Mexico | +534 |
| France | +9,406 | Argentina | +281 |
| Colombia | +7,424 | Colombia | +243 |
| Peru | +6,603 | Peru | +126 |
| Mexico | +5,935 | Iran | +115 |
| Russia | +5,504 | South_Africa | +113 |
| Iraq | +4,254 | Russia | +102 |
| +240,380 | | +4,816 | |
| World | +304,016 | World | +5,878 |
| Top ten | 79% | Top ten | 82% |



Source: [ECDC](#), TrendMacro calculations

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

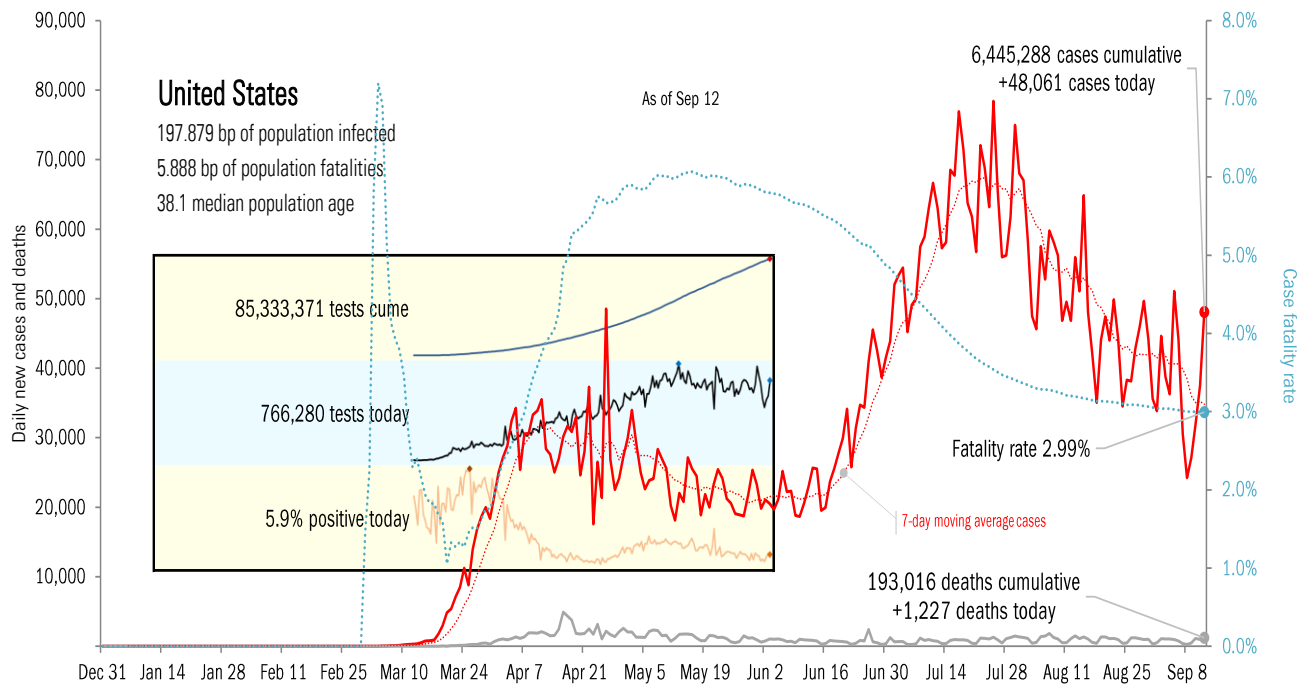
National and state-by-state data do not line up because of different sources

The ten worst US states

| New cases | | New Deaths | | New in hospital | | Cume cases | | Cume deaths | | Cume in hospital | |
|----------------|---------|-------------|--------|-----------------|--------|------------------|-----------|----------------|---------|------------------|---------|
| FL | +3,650 | FL | +176 | FL | +215 | CA | 746,191 | NY | 25,382 | NY | 89,995 |
| TX | +3,547 | TX | +144 | AL | +188 | FL | 658,381 | NJ | 16,023 | FL | 41,494 |
| CA | +3,326 | CA | +111 | AZ | +136 | TX | 653,356 | CA | 14,089 | GA | 26,163 |
| SC | +2,454 | SC | +53 | VA | +106 | NY | 442,791 | TX | 13,997 | NJ | 22,918 |
| IL | +2,312 | CH | +49 | GA | +101 | GA | 290,781 | FL | 12,658 | AZ | 21,747 |
| GA | +1,658 | IL | +44 | TN | +75 | IL | 259,883 | MA | 9,180 | VA | 17,263 |
| TN | +1,622 | GA | +42 | AR | +72 | AZ | 207,523 | IL | 8,505 | AL | 15,527 |
| MO | +1,569 | LA | +41 | CH | +72 | NJ | 195,888 | PA | 7,837 | MD | 14,756 |
| NC | +1,532 | TN | +37 | KS | +67 | NC | 182,286 | MI | 6,900 | CH | 14,236 |
| WI | +1,443 | NC | +33 | IN | +60 | TN | 169,859 | GA | 6,246 | MA | 12,411 |
| +23,113 | | +730 | | +1,092 | | 3,806,939 | | 120,817 | | 276,510 | |
| All states | +44,927 | All states | +1,018 | All states | +1,553 | All states | 6,411,913 | All states | 184,967 | All states | 385,011 |
| Top ten | 51% | Top ten | 72% | Top ten | 70% | Top ten | 59% | Top ten | 65% | Top ten | 72% |

Five most improved US states

| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | | Most recoveries | |
|-------------------|------|------------------|-----|----------------------------|------|-----------------|--------|
| TX | -471 | FL | -37 | GA | -116 | TX | +3,953 |
| FR | -470 | GA | -34 | CT | -82 | TN | +1,472 |
| GA | -178 | CA | -26 | FL | -79 | WI | +1,044 |
| IA | -174 | TN | -20 | KY | -31 | CH | +913 |
| DE | -158 | MS | -19 | TN | -30 | IN | +879 |



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

Recommended reading

[Mad scientist: Fauci demands total US shutdown until COVID vaccine arrives](#)

Jordan Schachtel
Mass Illusion
September 11, 2020

[Stanford expert blasts COVID lockdown failures: 'We quarantined the healthy ... exposed the sick'](#)

Daniel Payne
Just the News
September 10, 2020

[Richard Tyson, CEO - TT Electronics discusses introduction of the Virolens® system](#)

Sky News
September 10, 2020

[Coronavirus lockdown benefits remain dubious as costs continue to mount](#)

Sally Pipes
Fox News
September 8, 2020

[Woodward dismisses claims he could have saved lives by publishing Trump's coronavirus remarks sooner](#)

Joseph A. Wulfsohn
Fox News
September 10, 2020

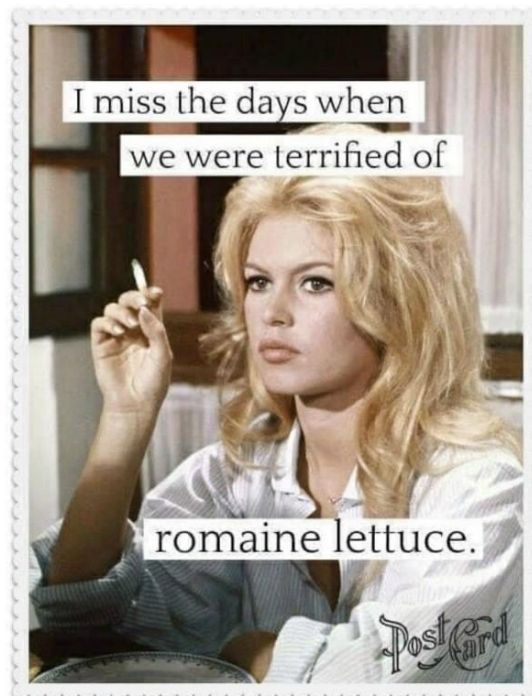
[Cops haul 'hysterical' family off WestJet flight because their '19-month-old baby wasn't wearing coronavirus mask'](#)

US Sun
September 10, 2020

[Trump's Payroll Tax Pause Fizzles as Employers Spurn the Move](#)

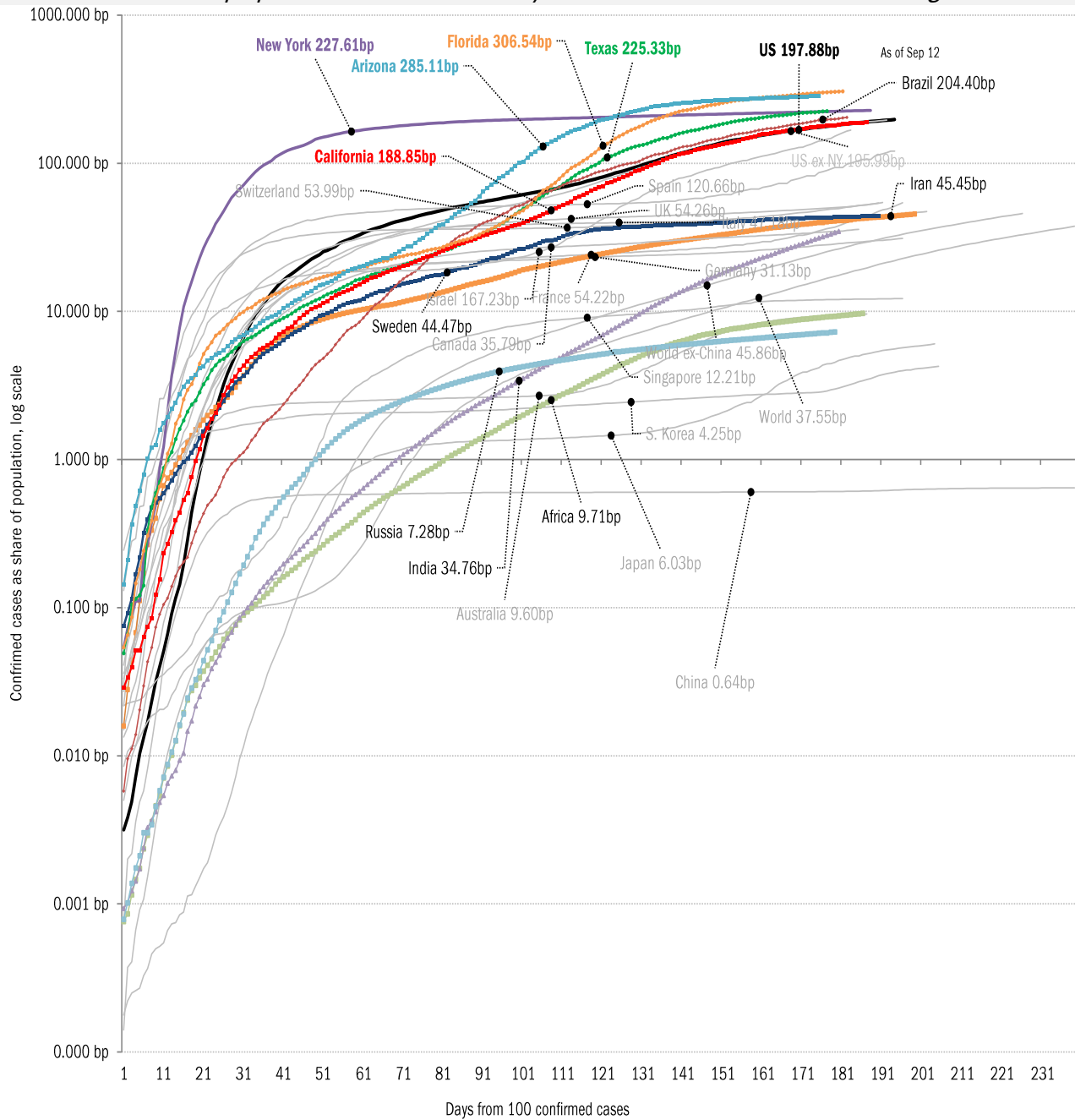
Laura Davison and Steve Matthews
Bloomberg
September 11, 2020

Meme of day



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

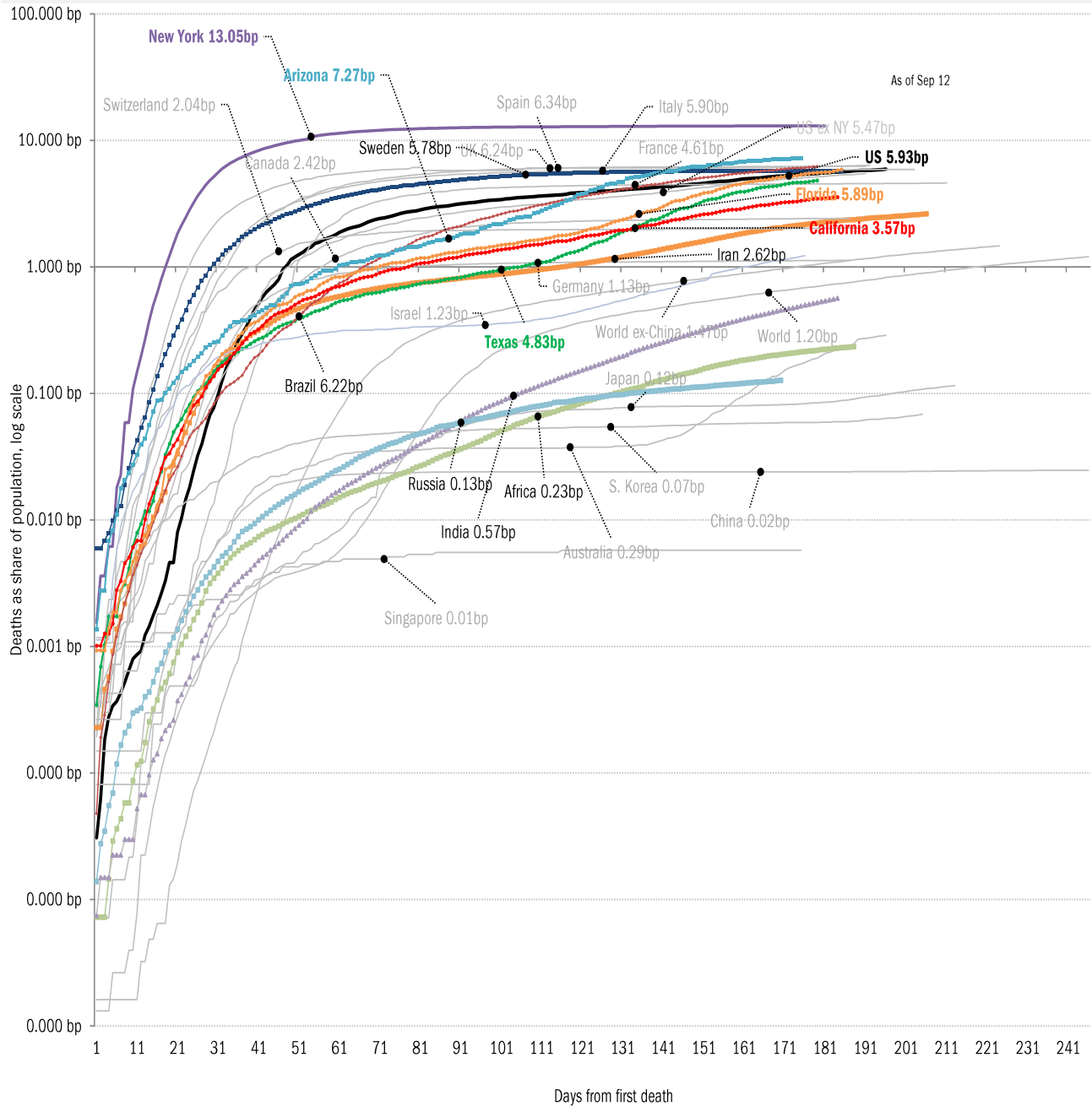
The coronavirus case accelerometer... tracking the world's infection curves
 Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

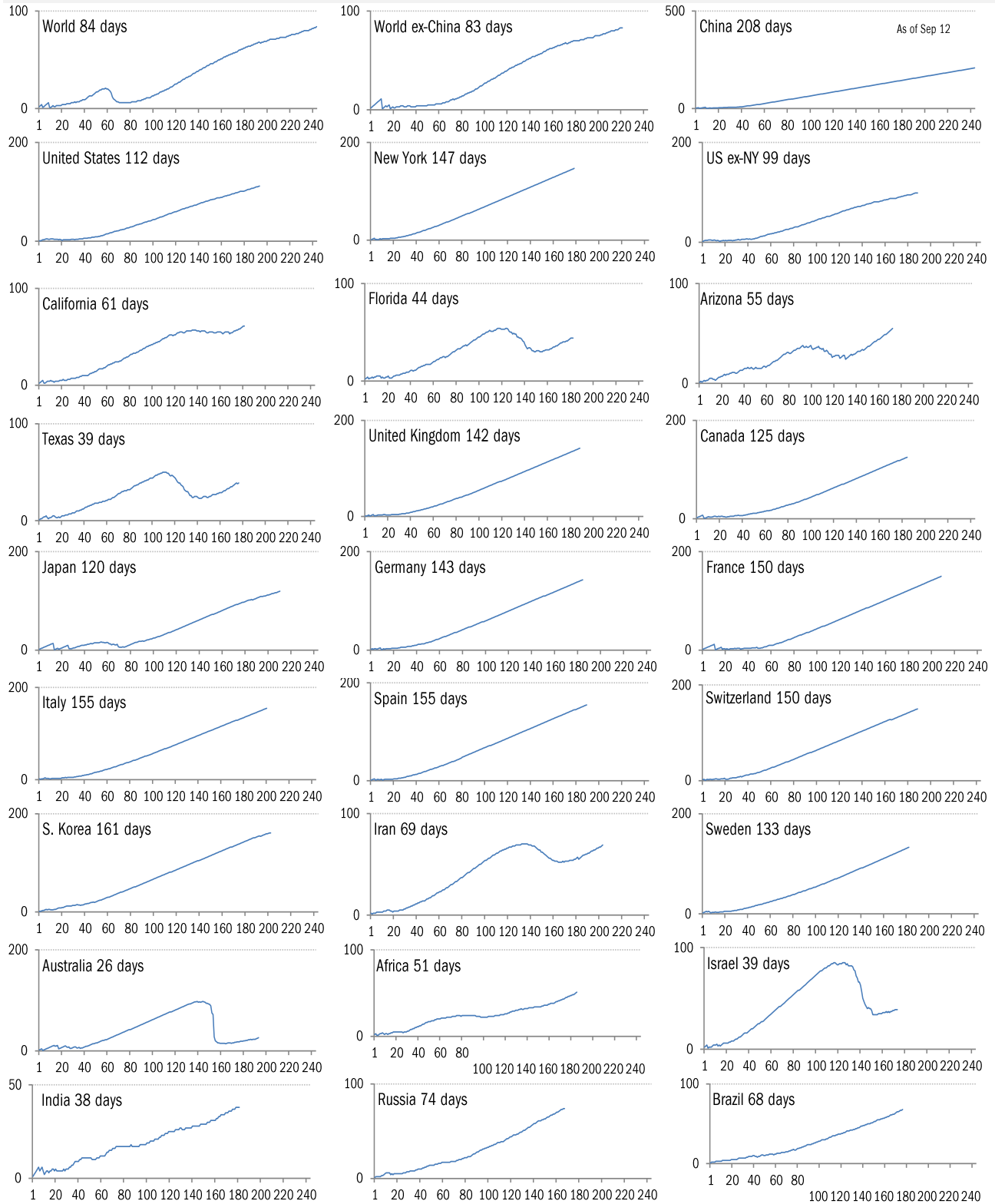


Source: [ECDC](#), TrendMacro calculations

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

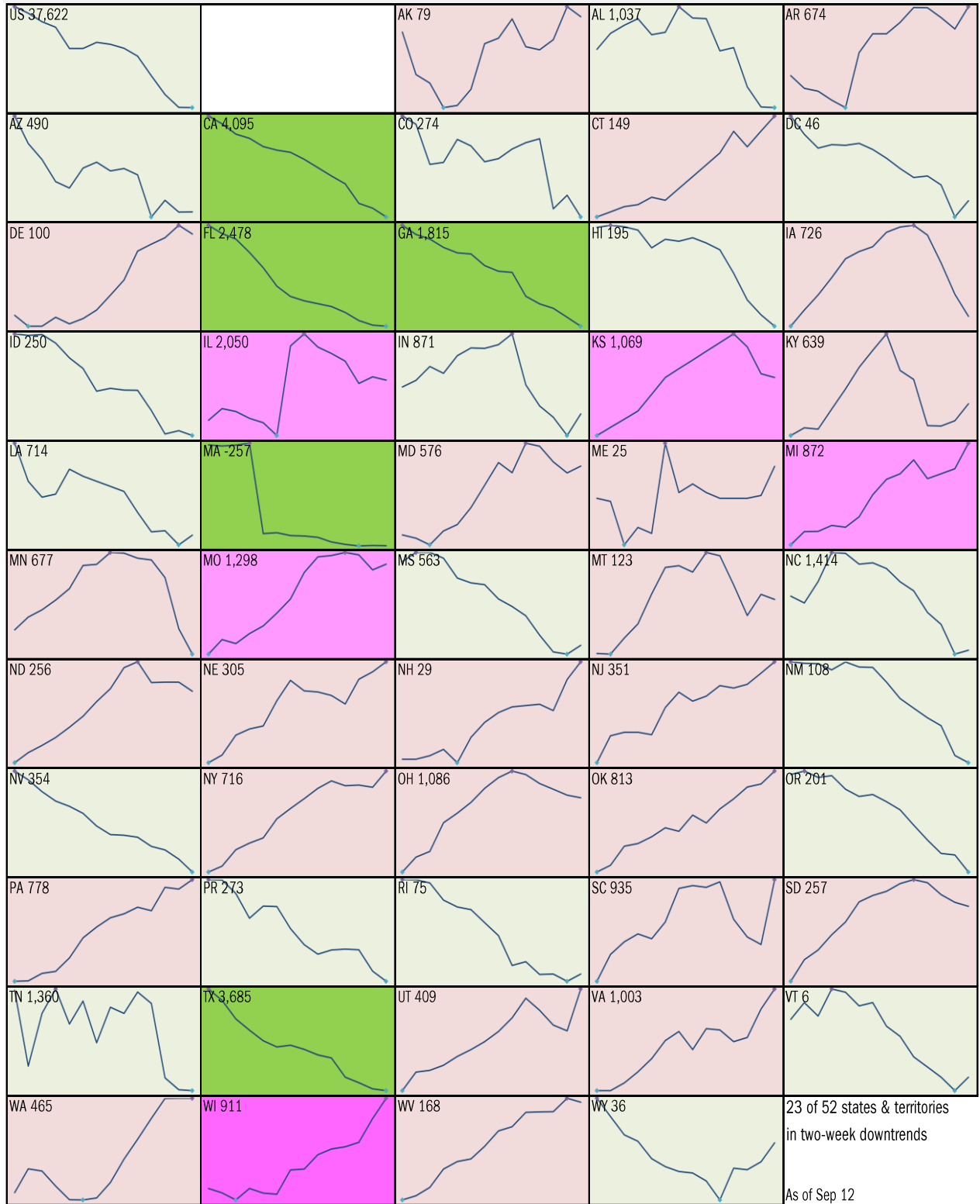


Source: [ECDC](#), TrendMacro calculations

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

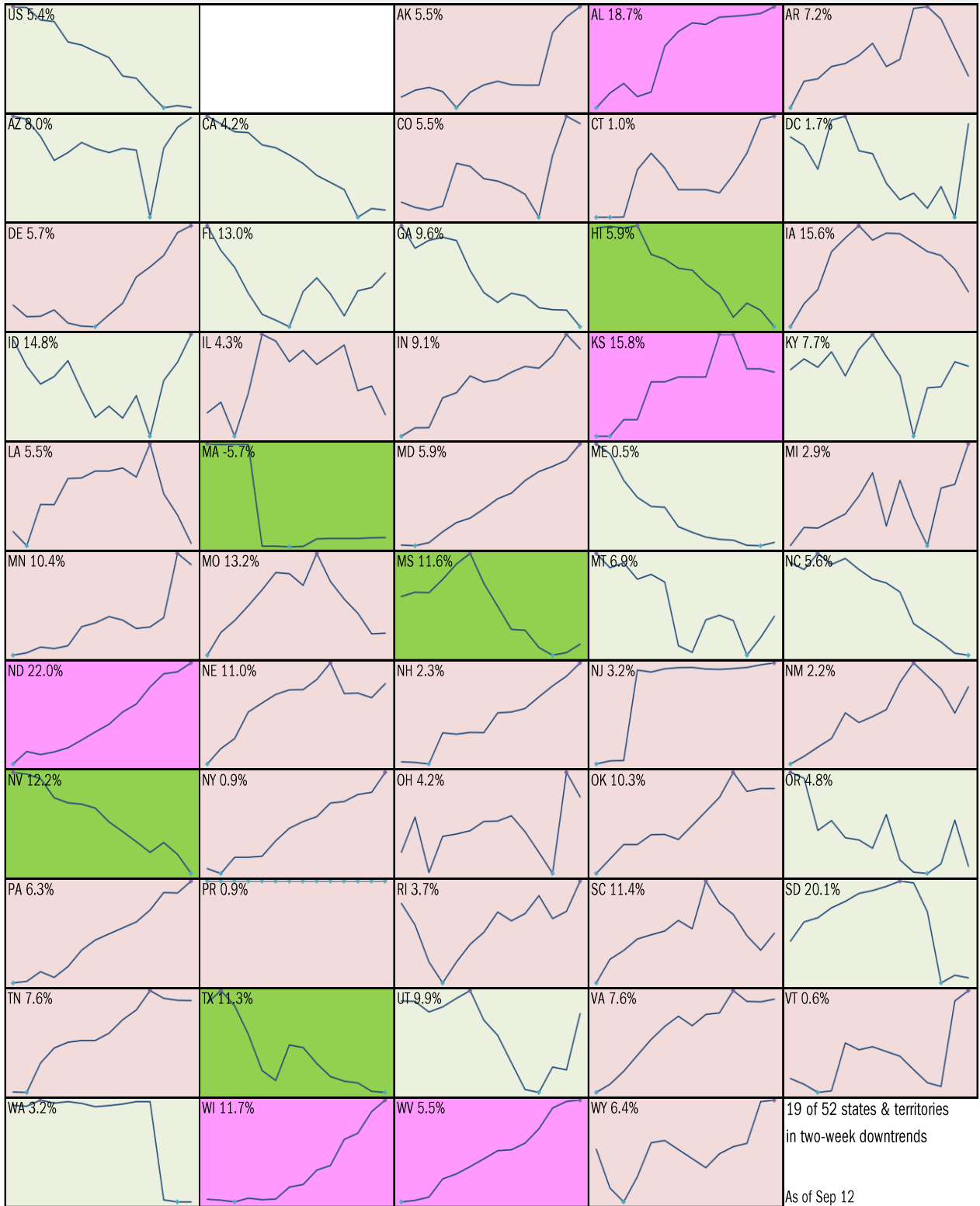


Source: [Covid Tracking Project](#), TrendMacro calculations

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



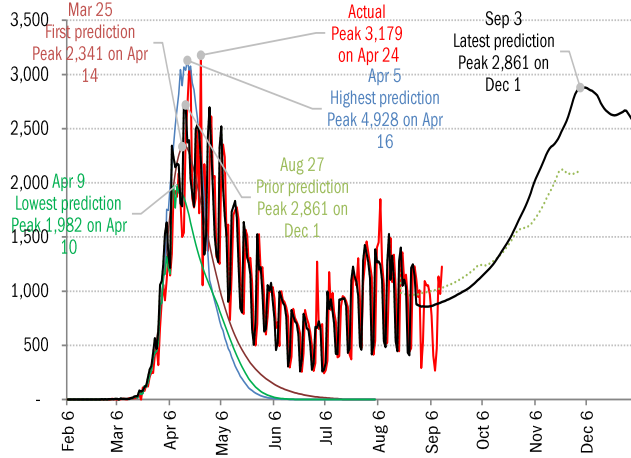
Source: [Covid Tracking Project](#), TrendMacro calculations

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

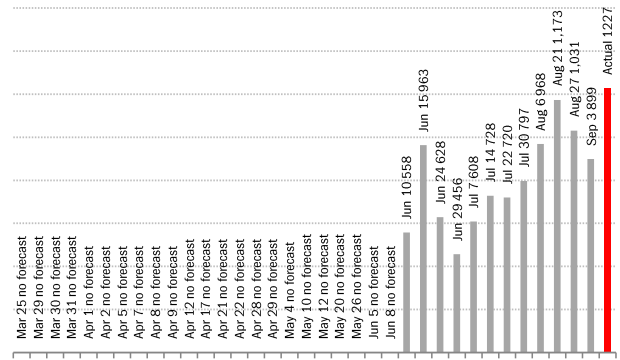
New daily fatalities

As of Sep 12

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

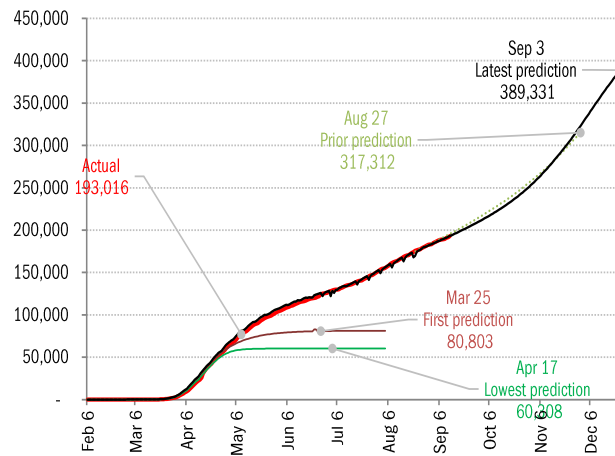


For this day, versus all model mean predictions

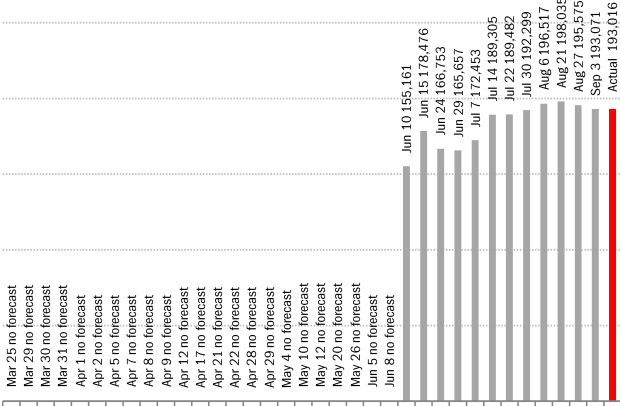


Cumulative fatalities

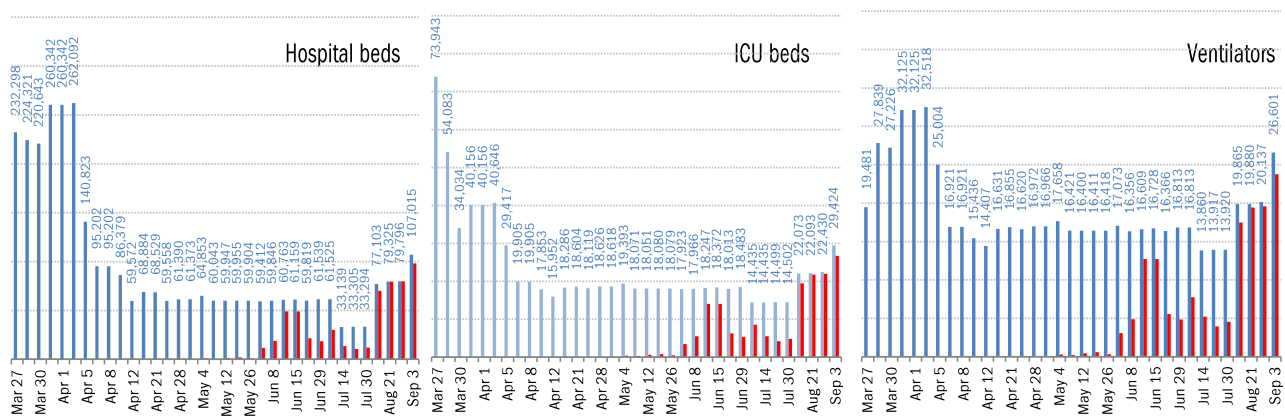
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

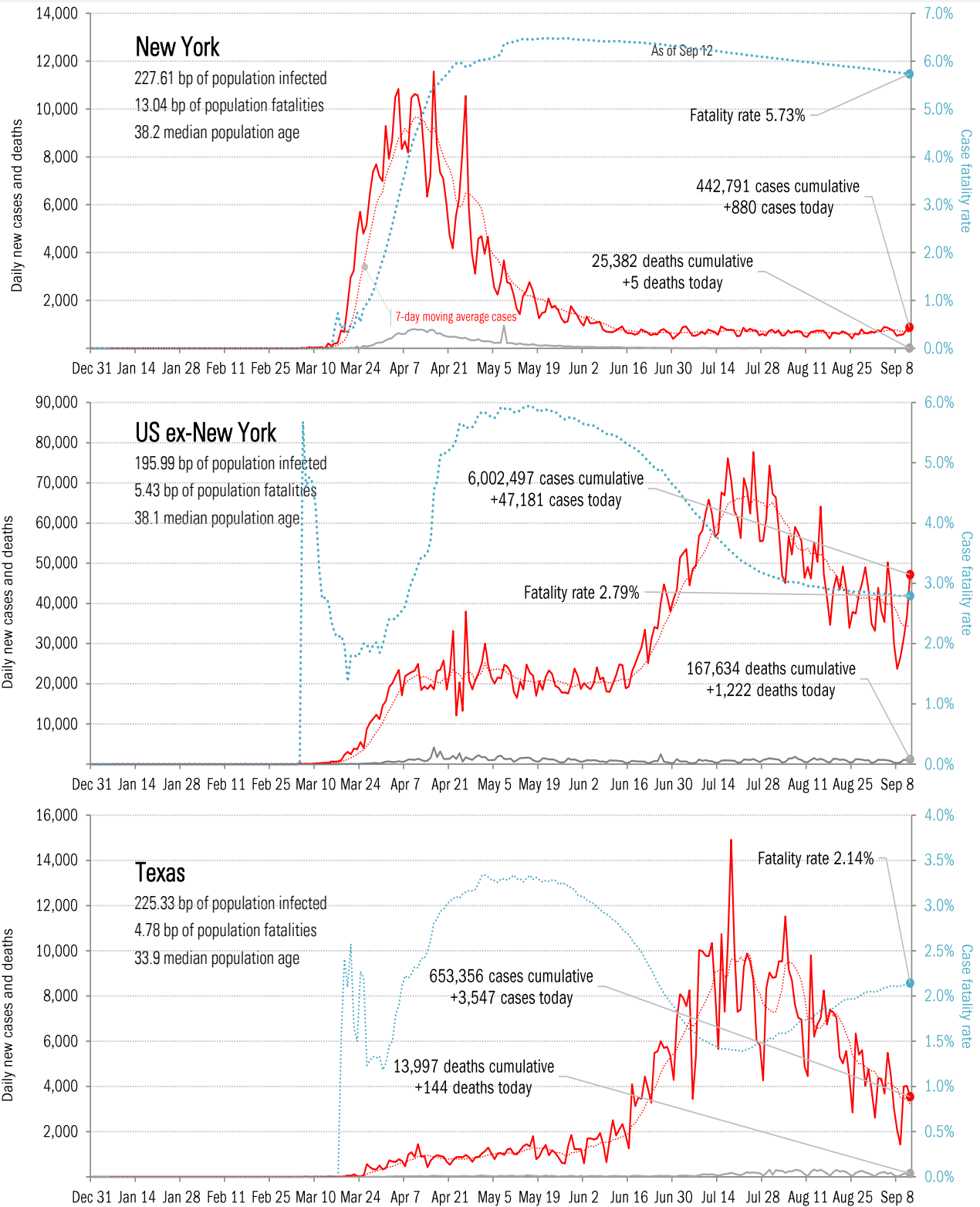


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



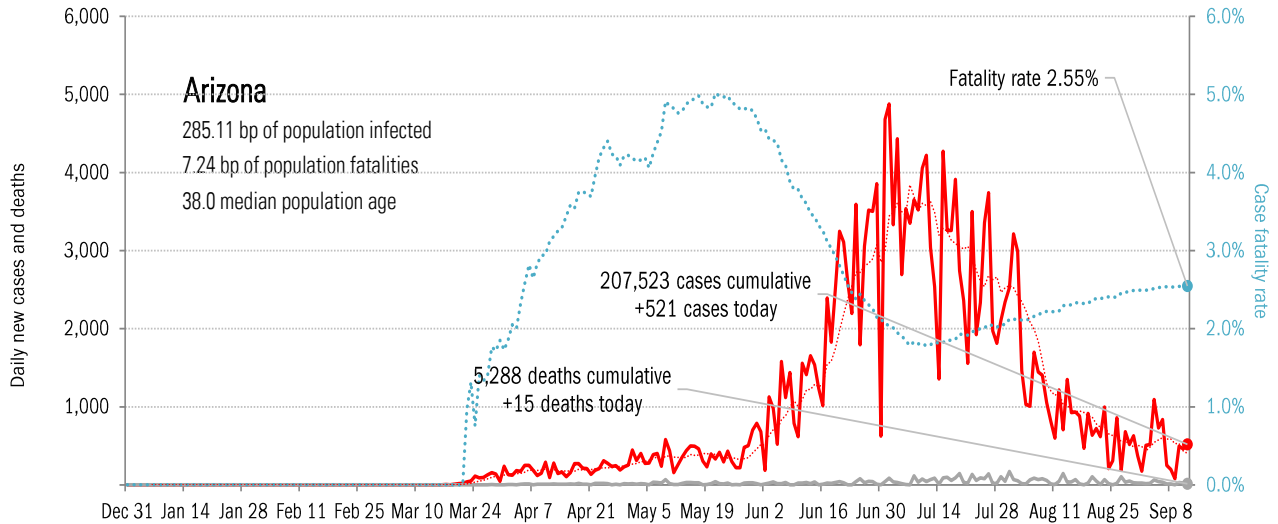
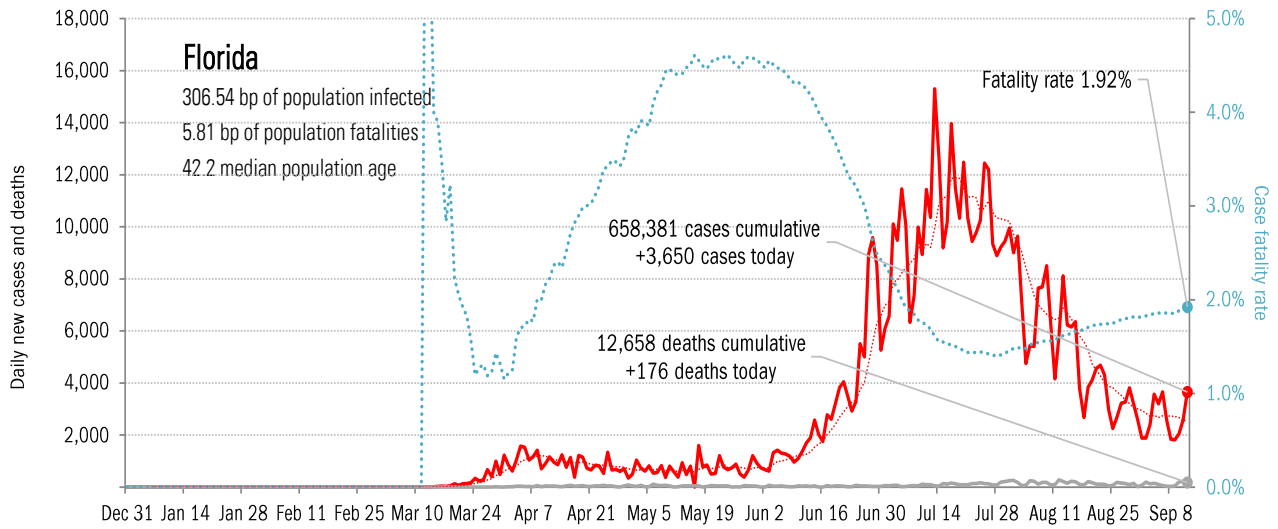
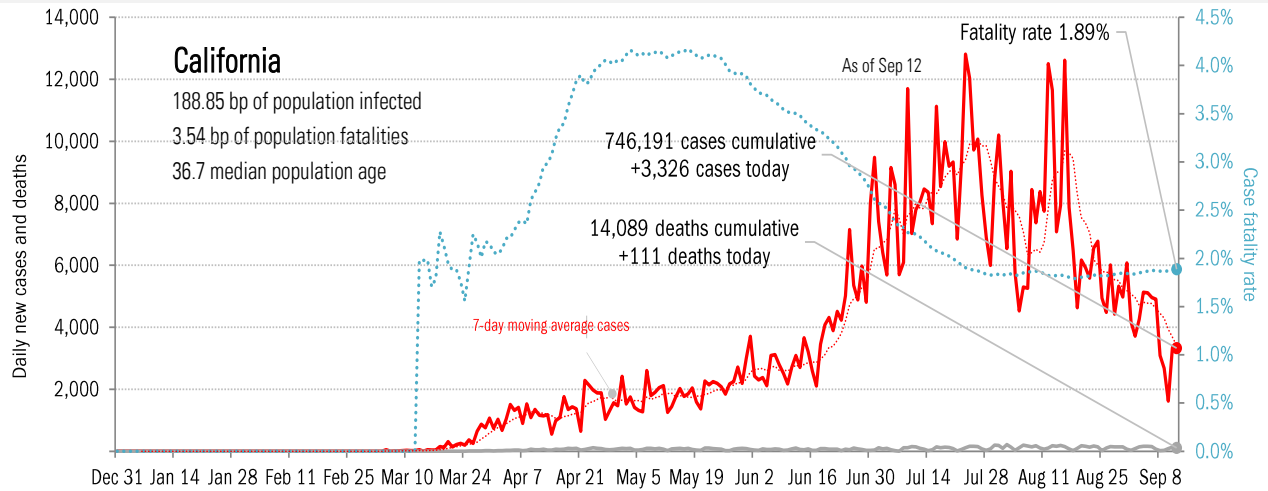
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



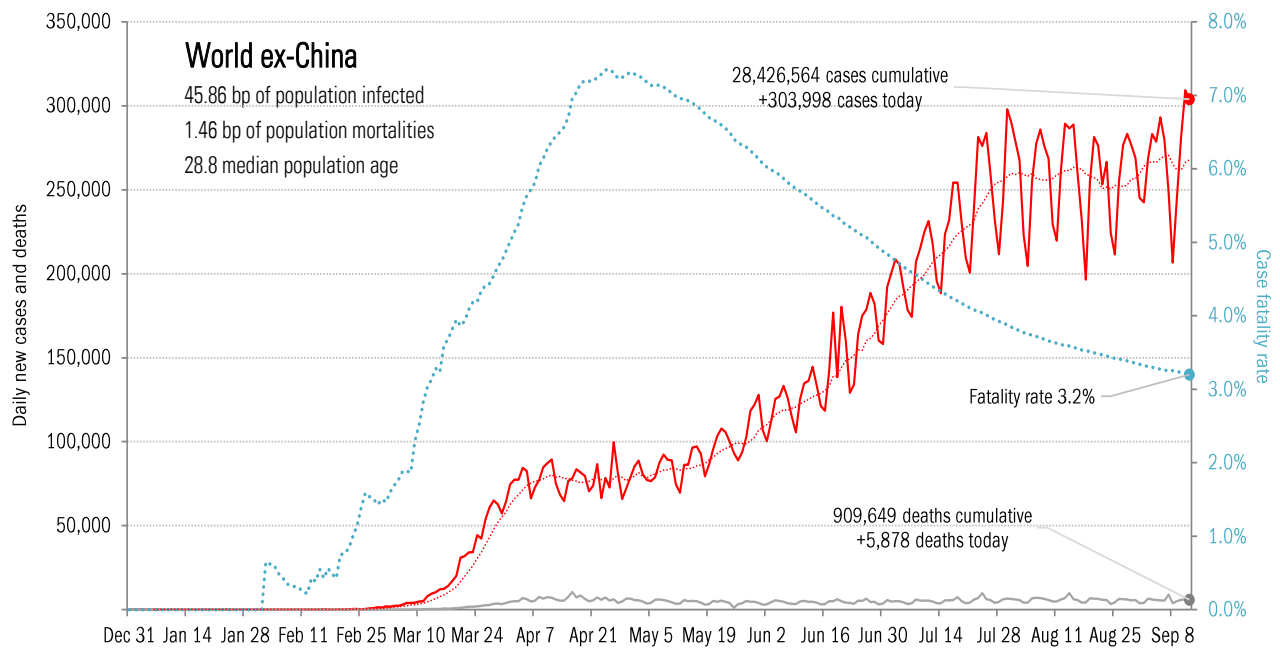
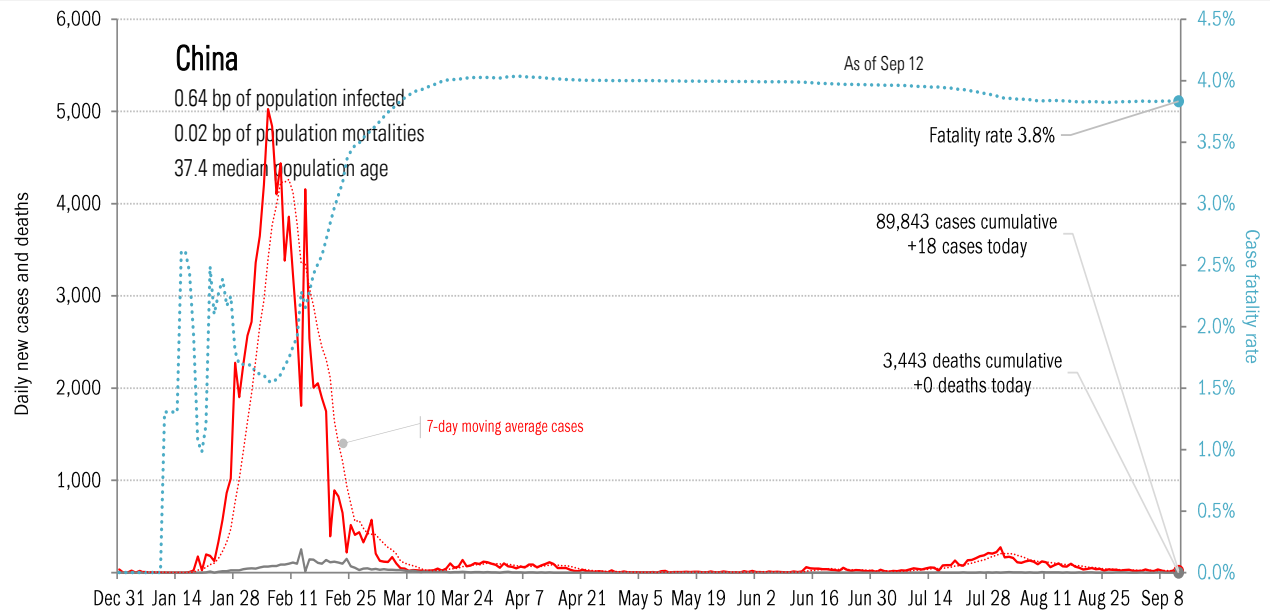
Source: [ECDC](#), TrendMacro calculations

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



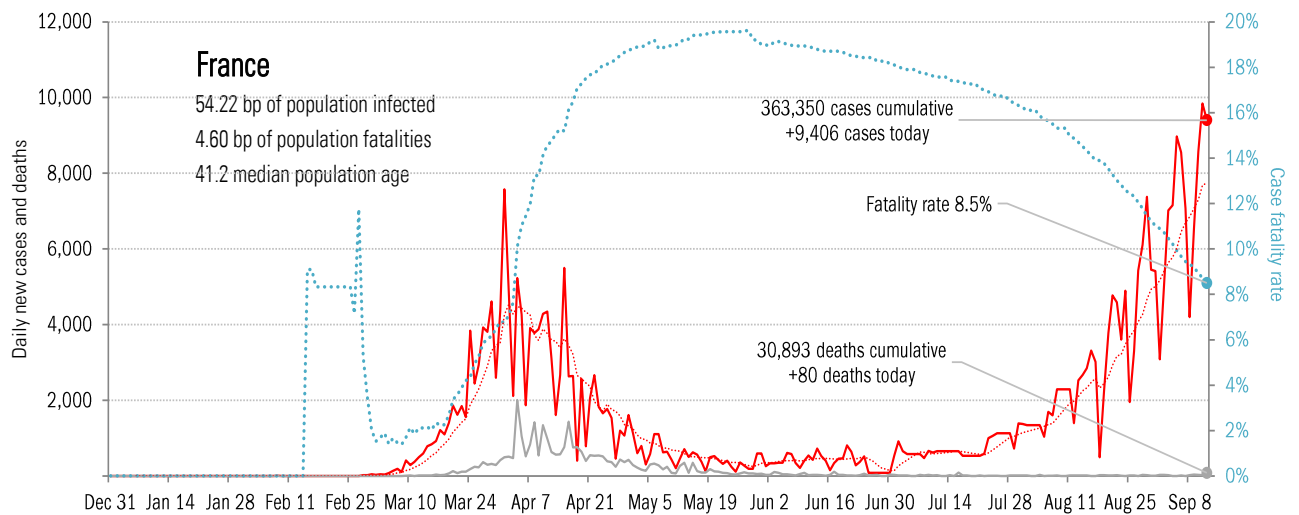
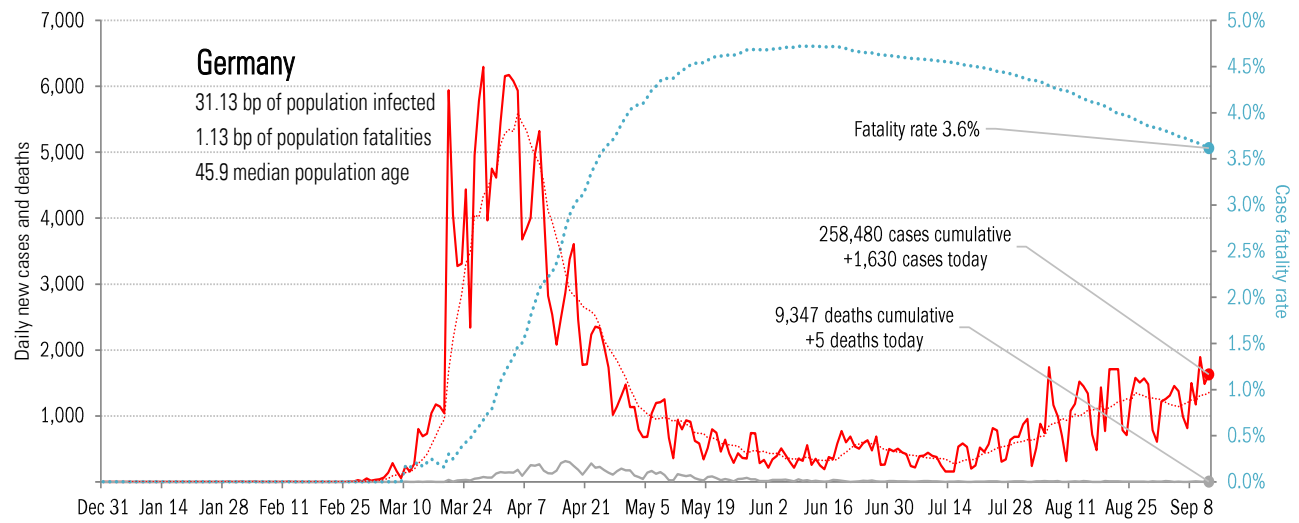
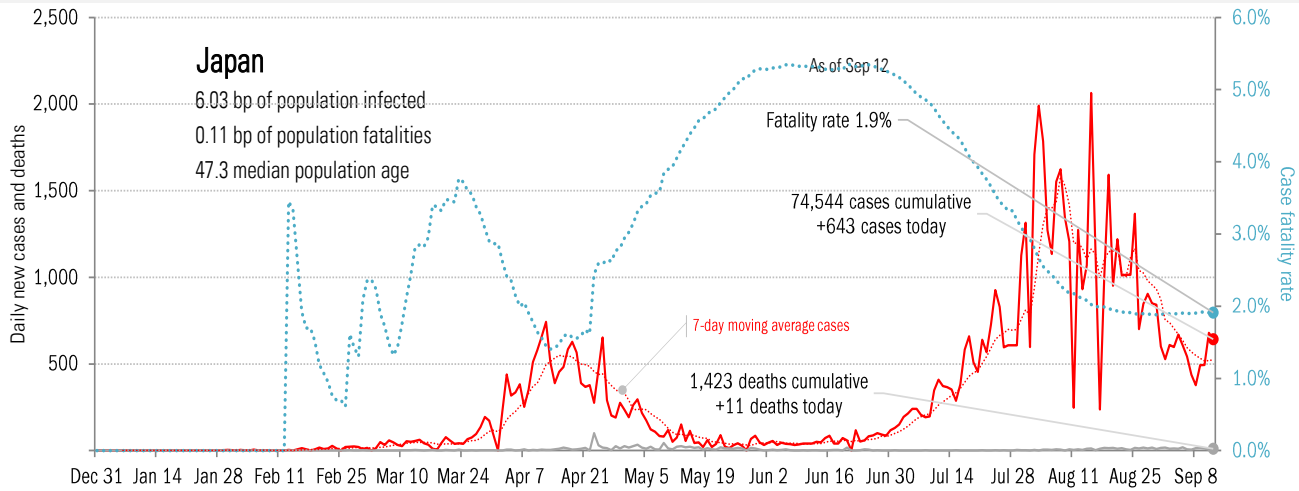
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



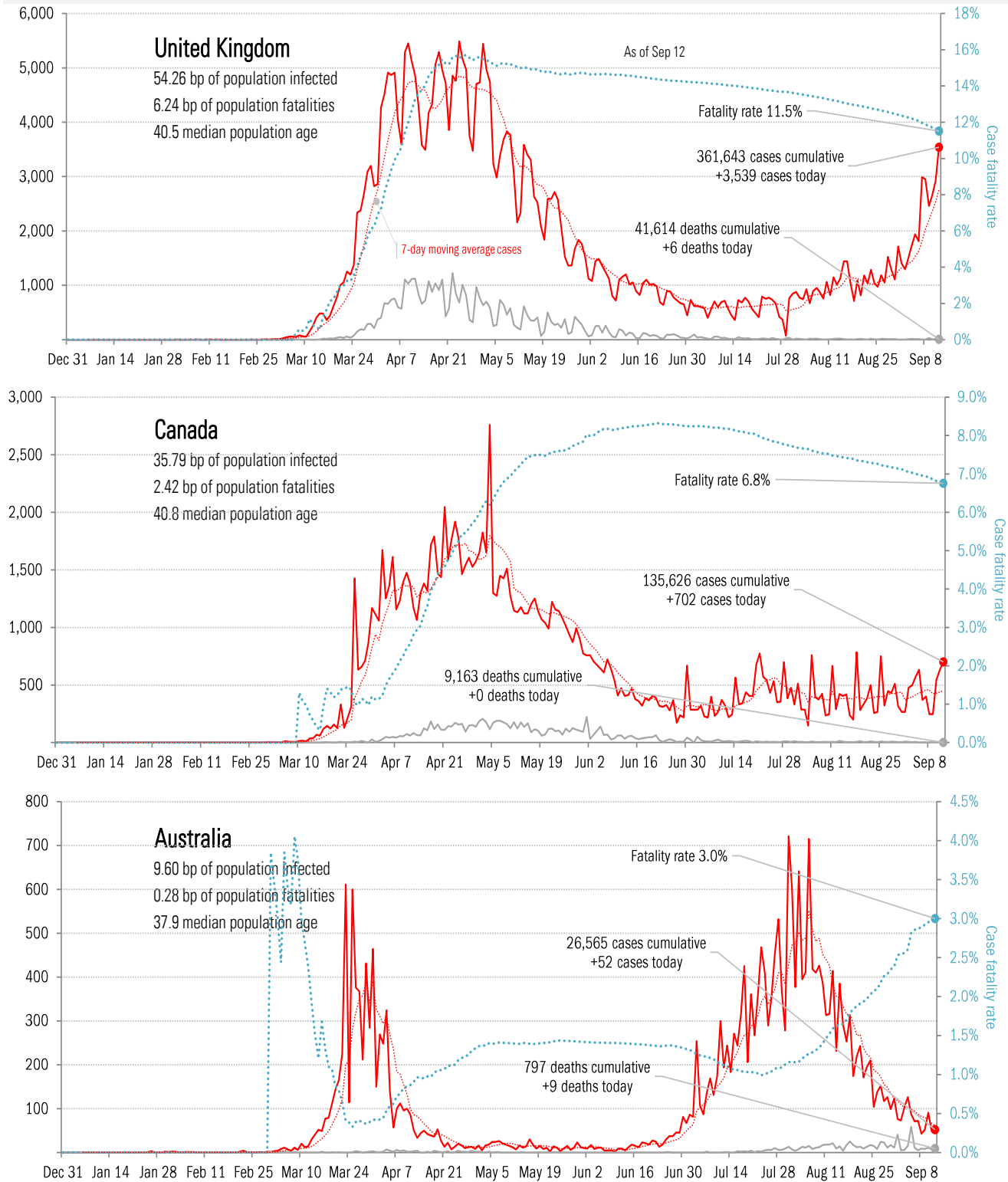
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



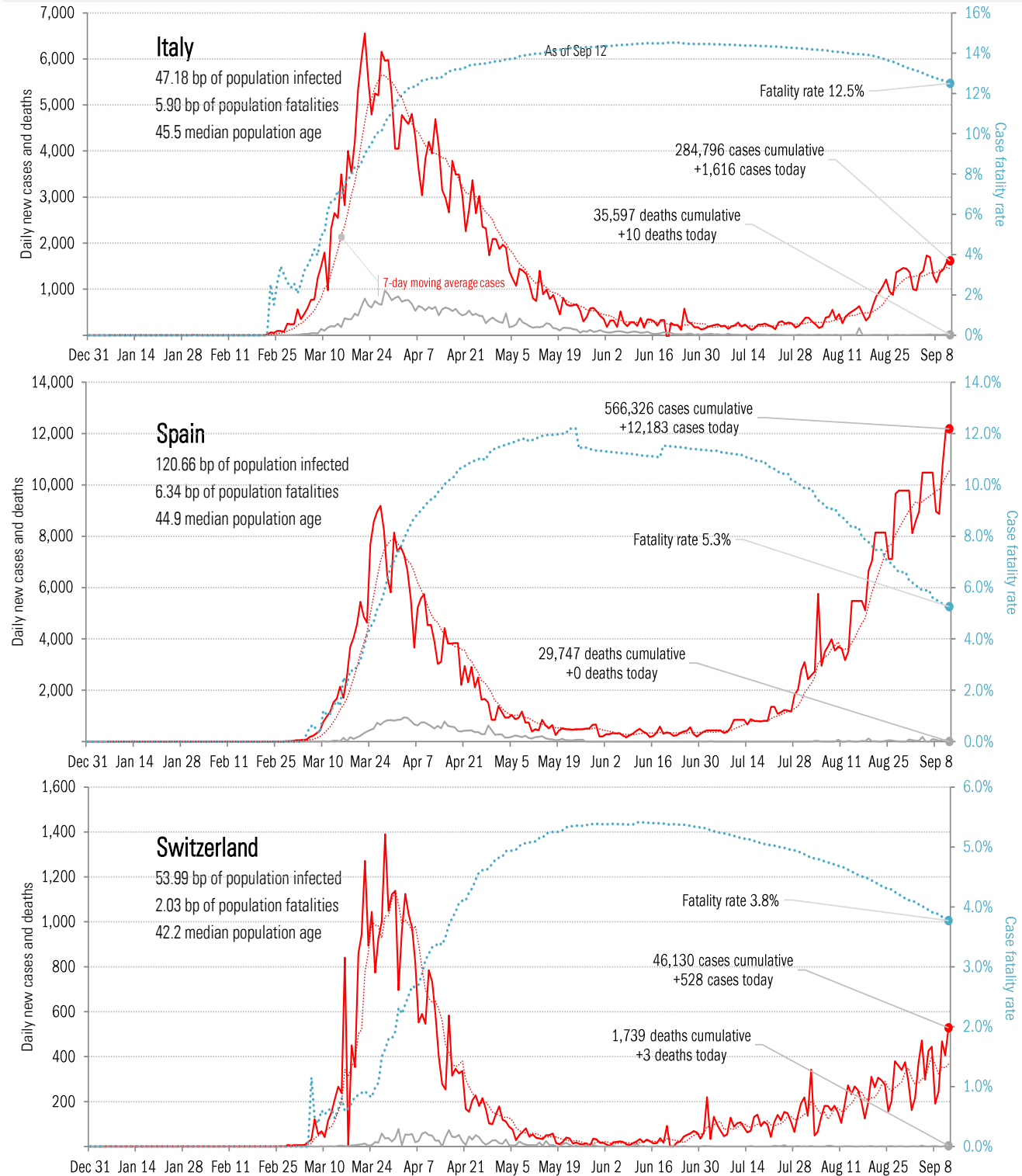
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



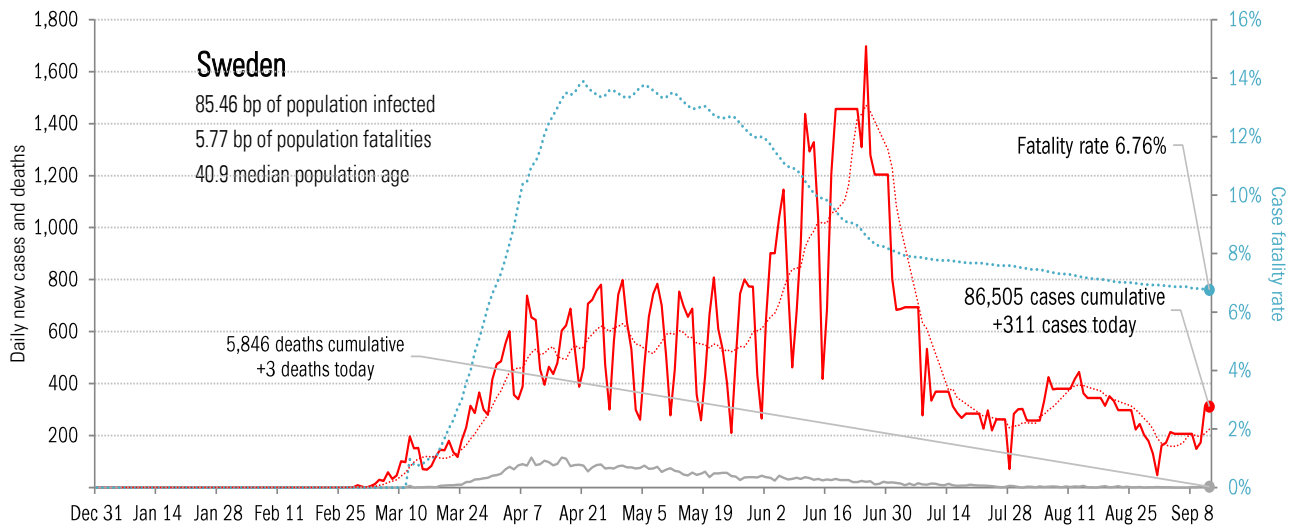
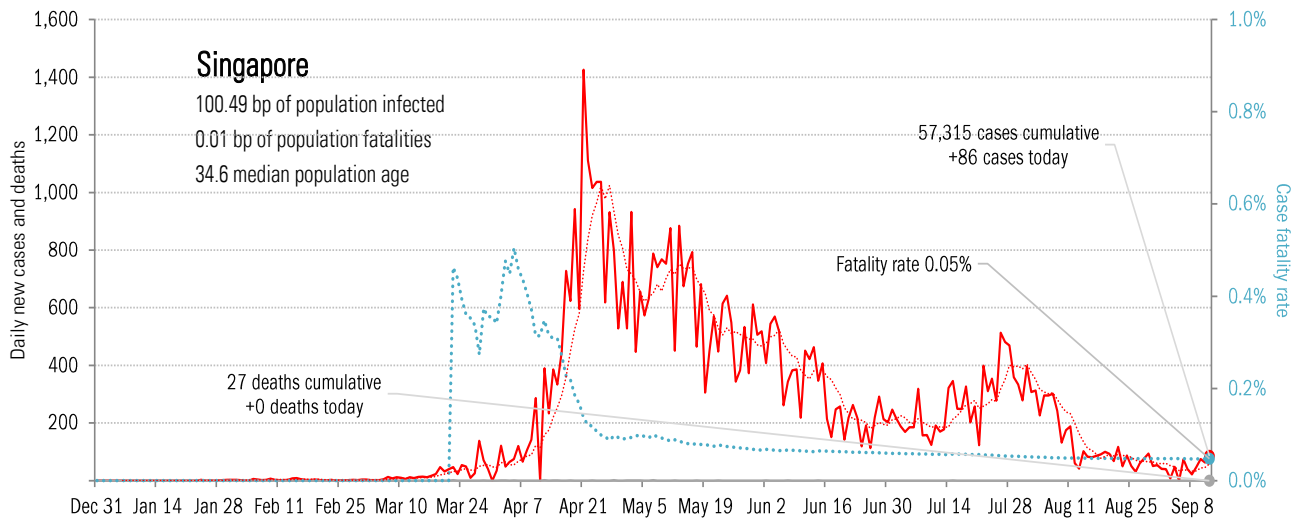
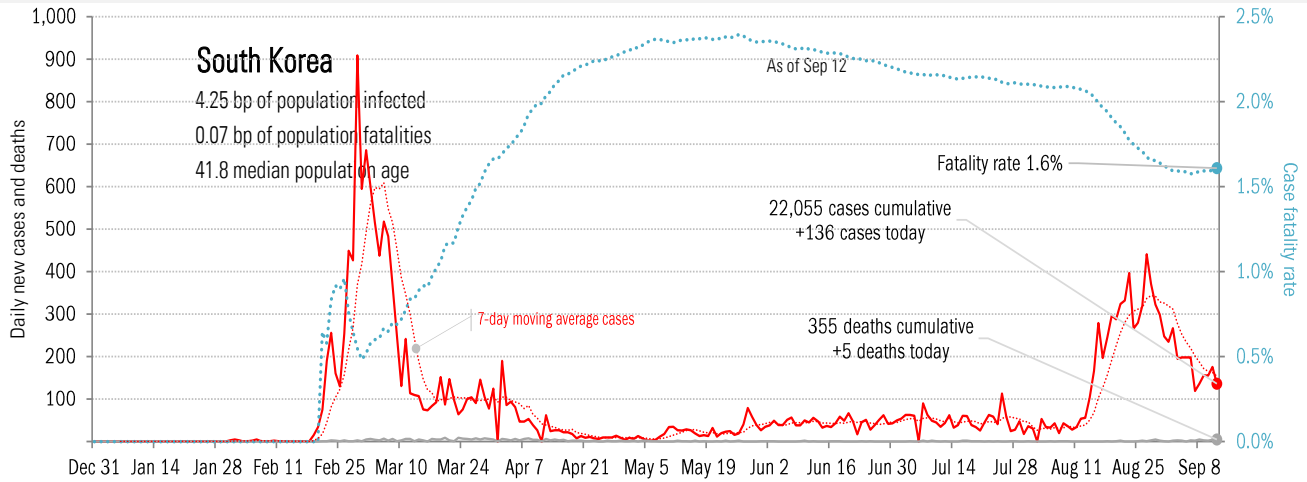
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



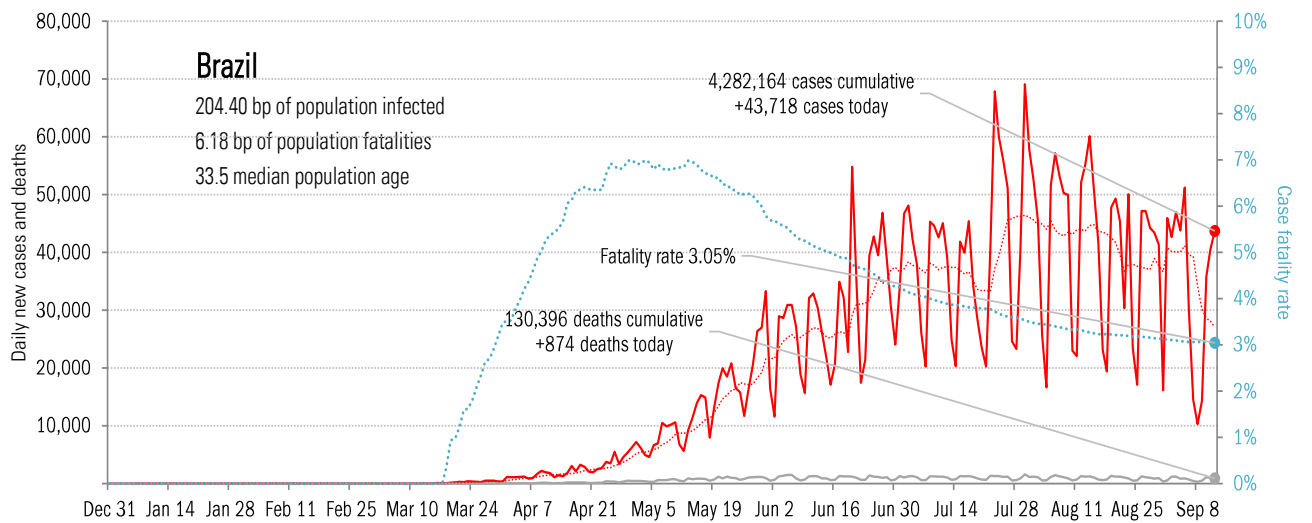
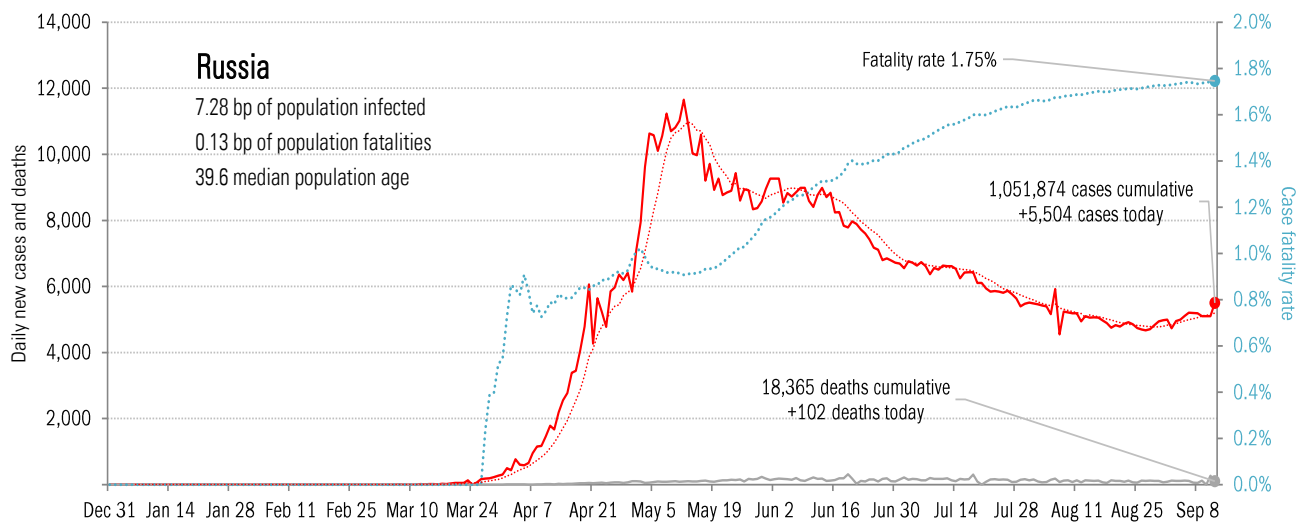
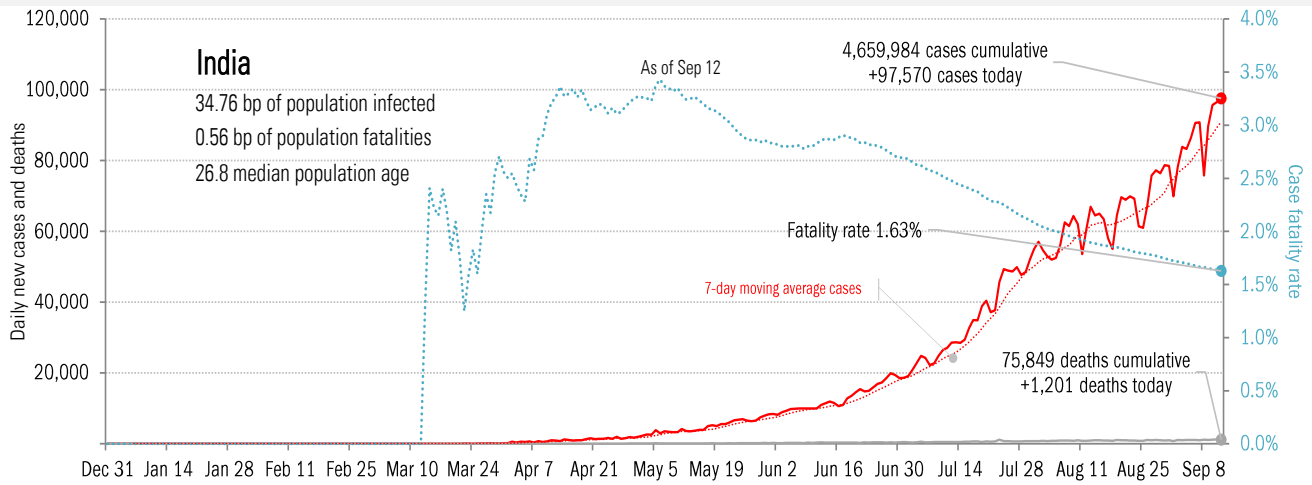
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



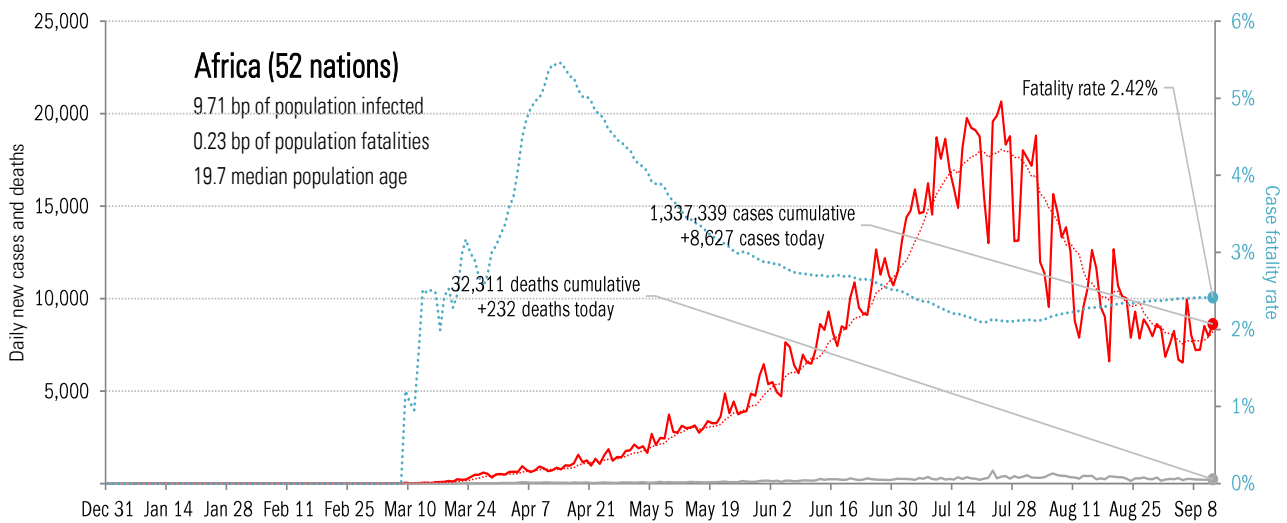
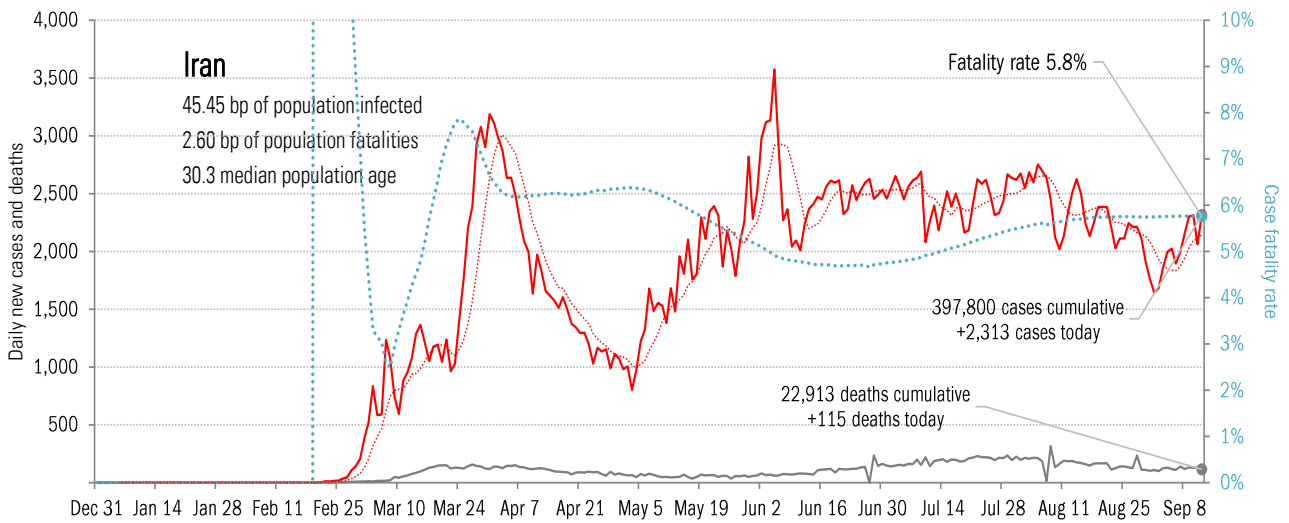
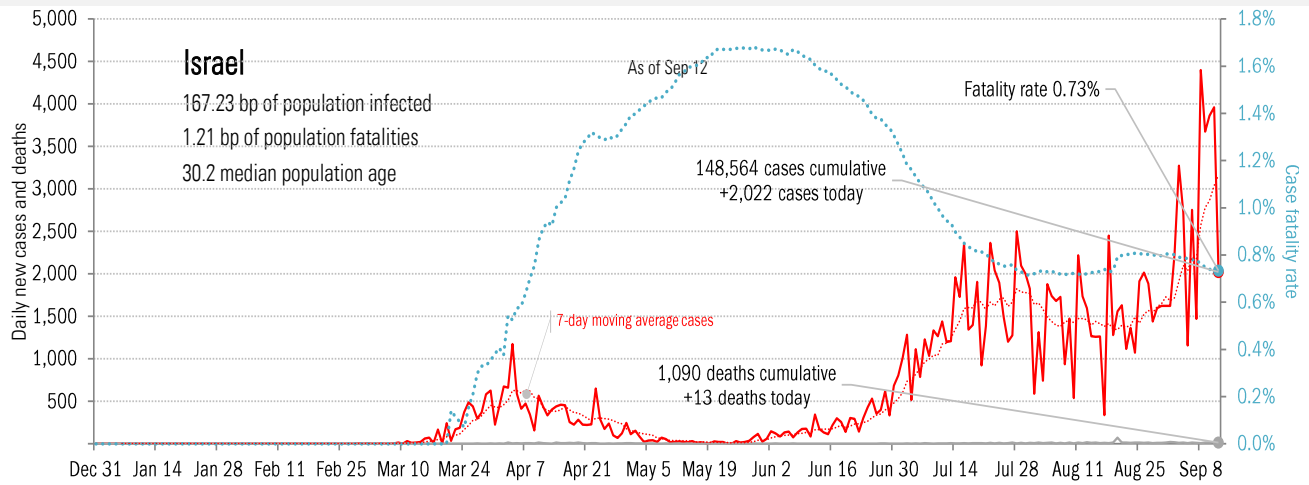
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations