Trend Macrolytics, LLC
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Michael Warren, Energy Strategist

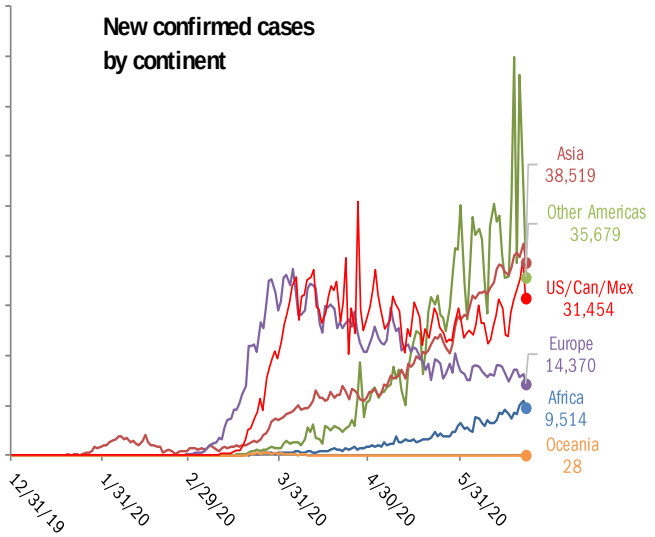
# Data Insights: Covid-2019 Monitor

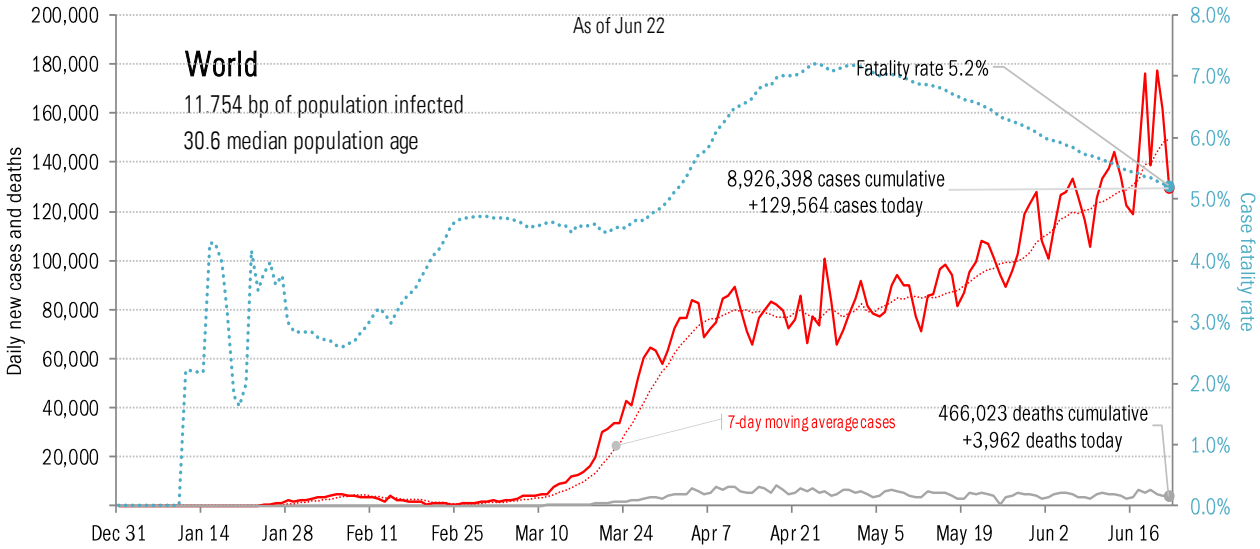
Monday, June 22, 2020

## The global scorecard

**The worst ten countries**

| New cases | | New Deaths | |
|---|---|---|---|
| US | +25,793 | Mexico | +1,044 |
| Brazil | +17,459 | Brazil | +641 |
| India | +14,821 | India | +445 |
| Russia | +7,728 | US | +256 |
| Chile | +5,607 | Chile | +184 |
| Mexico | +5,343 | Peru | +184 |
| South_Africa | +4,621 | Iran | +116 |
| Pakistan | +4,471 | Colombia | +111 |
| Peru | +3,598 | Russia | +109 |
| Bangladesh | +3,531 | Pakistan | +89 |
| | +92,972 | | +3,179 |
| World | +129,564 | World | +3,962 |
| Top ten | 72% | Top ten | 80% |




Source: ECDC, TrendMacro calculations

**For more information contact us:**
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# The US scorecard

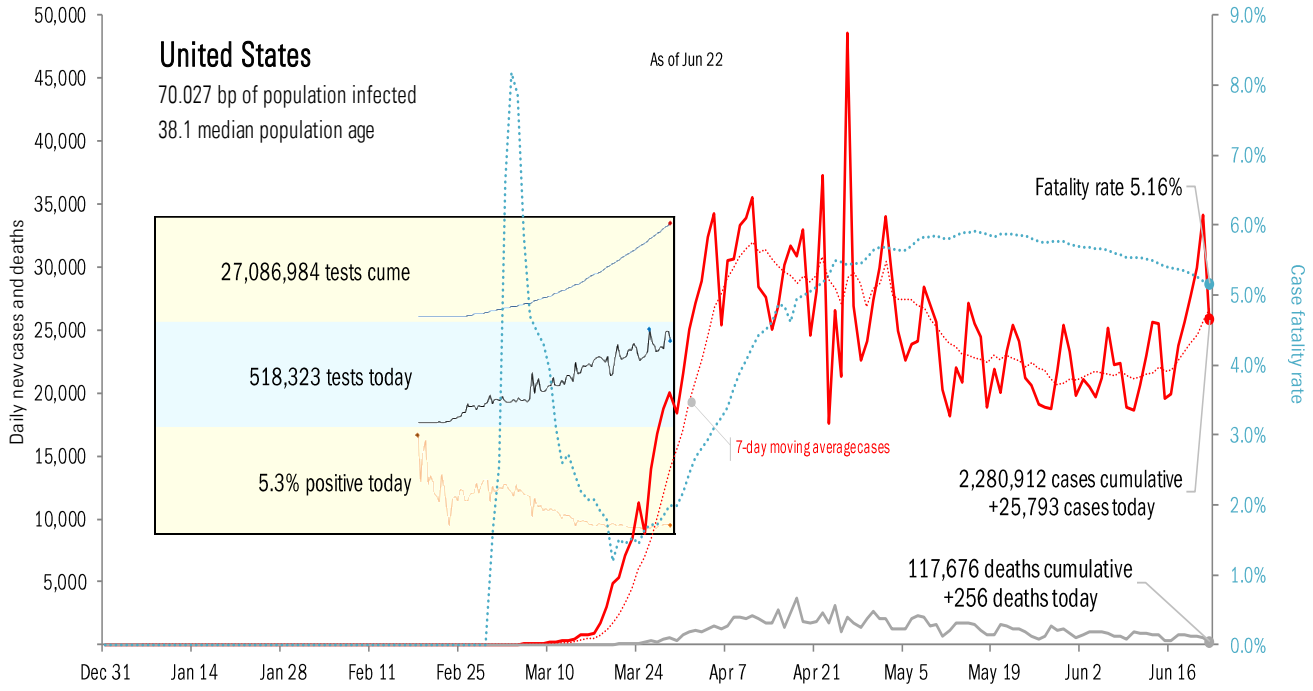
National and state-by-state data do not line up because of different sources

**The ten worst US states**

| New cases | | New Deaths | | New in hospital | | Cume cases | | Cume deaths | | Cume in hospital | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CA | +4,515 | CA | +71 | FL | +98 | NY | 387,936 | NY | 24,725 | NY | 89,995 |
| TX | +3,866 | MA | +30 | AR | +52 | CA | 173,824 | NJ | 12,870 | NJ | 19,267 |
| FL | +3,494 | IL | +22 | MD | +47 | NJ | 169,142 | MA | 7,858 | FL | 13,325 |
| AZ | +2,592 | FL | +17 | OH | +41 | IL | 137,762 | IL | 6,851 | MA | 11,085 |
| NC | +1,412 | TX | +17 | IN | +33 | TX | 111,601 | PA | 6,423 | MD | 10,544 |
| SC | +907 | NY | +15 | MN | +30 | MA | 107,061 | MI | 6,090 | CT | 10,099 |
| NY | +664 | MD | +14 | WA | +27 | FL | 97,291 | CA | 5,495 | GA | 9,837 |
| IL | +658 | NJ | +13 | TN | +25 | PA | 81,730 | CT | 4,260 | VA | 8,509 |
| TN | +656 | WA | +10 | UT | +23 | MI | 67,711 | FL | 3,254 | OH | 7,242 |
| WA | +654 | CT | +9 | VA | +22 | MD | 64,306 | LA | 3,105 | IN | 6,788 |
| | +19,418 | | +218 | | +398 | | 1,398,364 | | 80,931 | | 186,691 |
| All states | +27,465 | All states | +297 | All states | +532 | All states | 2,269,455 | All states | 113,749 | All states | 232,275 |
| Top ten | 71% | Top ten | 73% | Top ten | 75% | 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 | |
|---|---|---|---|---|---|---|---|
| GA | -1,800 | IL | -89 | AZ | -70 | TX | +1,403 |
| TX | -564 | OH | -27 | FL | -67 | MN | +458 |
| FL | -555 | AZ | -25 | GA | -65 | WI | +359 |
| AZ | -517 | FL | -23 | VA | -40 | PA | +358 |
| AR | -511 | LA | -19 | MA | -31 | UT | +269 |




Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

## Recommended reading

[Rules for Clinical Trials in a Pandemic]
Scott Gottlieb and Mark McClellan
*Wall Street Journal*
June 21, 2020

[Trump administration is on the defensive over president's claim that he wanted to 'slow the testing down.']
*New York Times*
June 21, 2020

[New Virus Hotspots Are Emerging in Rural Villages Across India]
Bibhudatta Pradhan and Abhijit Roy Chowdhury
*Bloomberg*
June 21, 2020

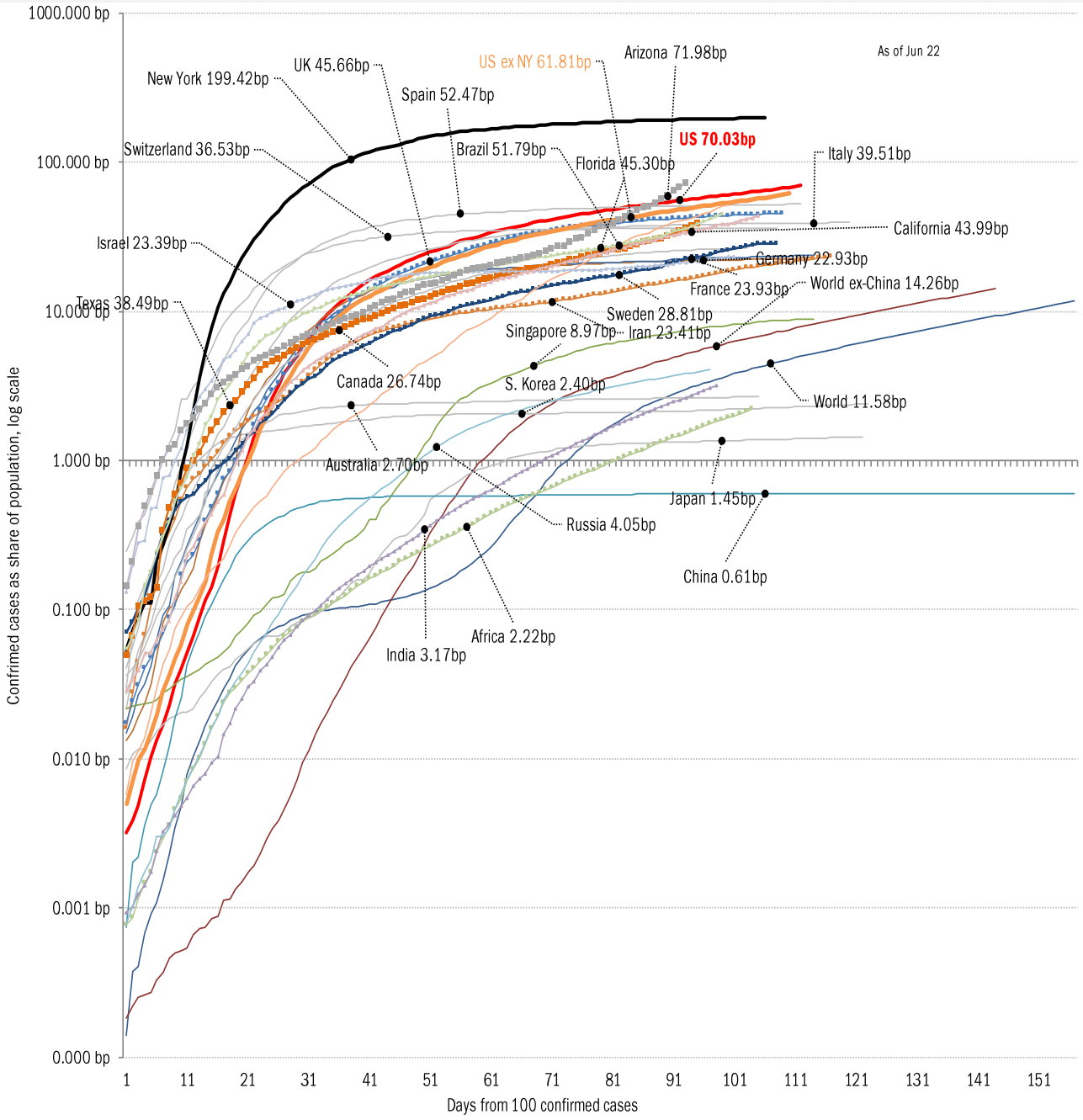
[Beijing's Latest Virus Outbreak Disrupts Tyson Foods and PepsiCo]
Marion Dakers and Michael Hirtzer
*Bloomberg*
June 21, 2020

## 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

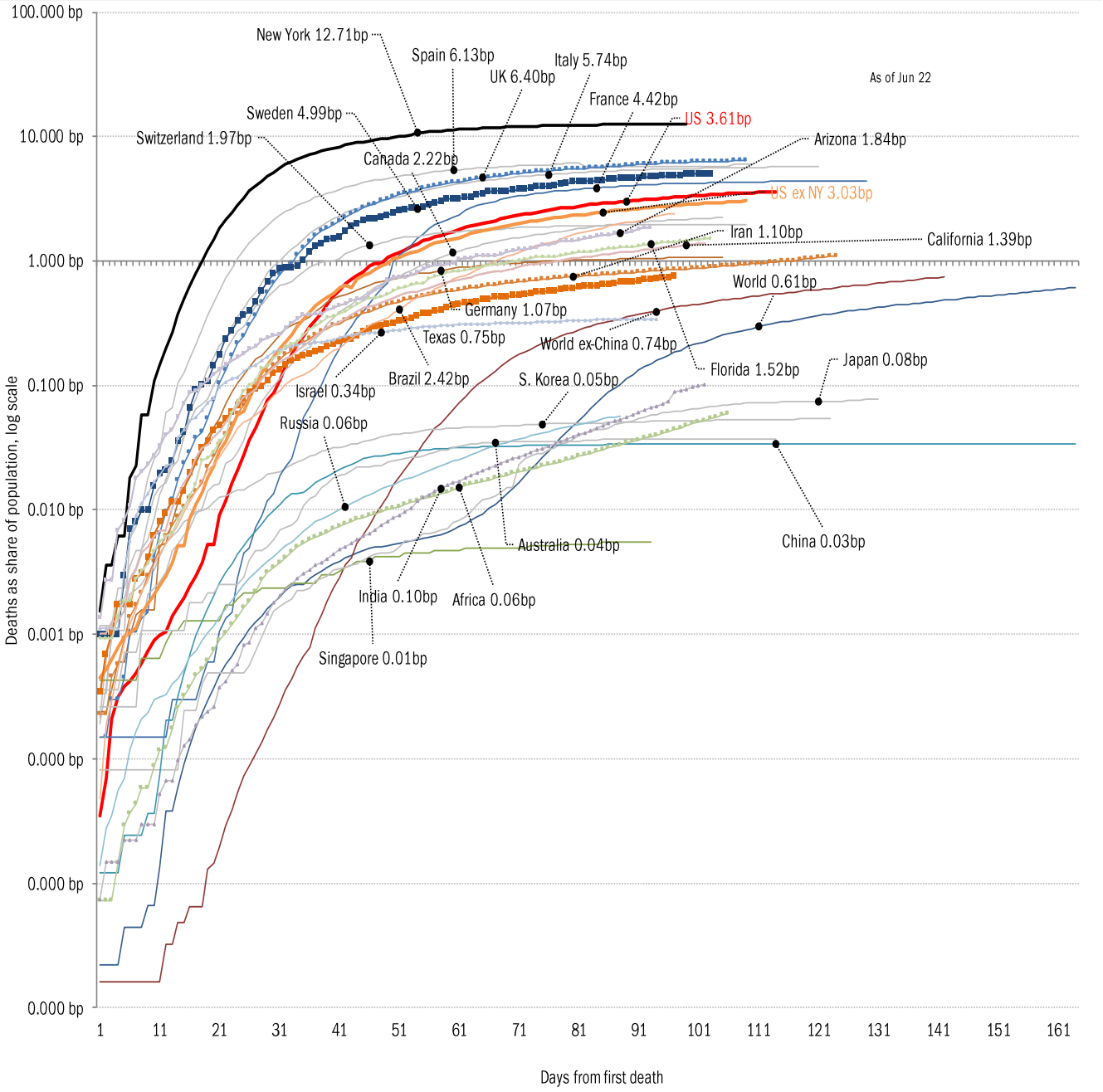
*Share of infected population from first day with 100 confirmed cases, log scale*




Source: ECDC, TrendMacro calculations

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

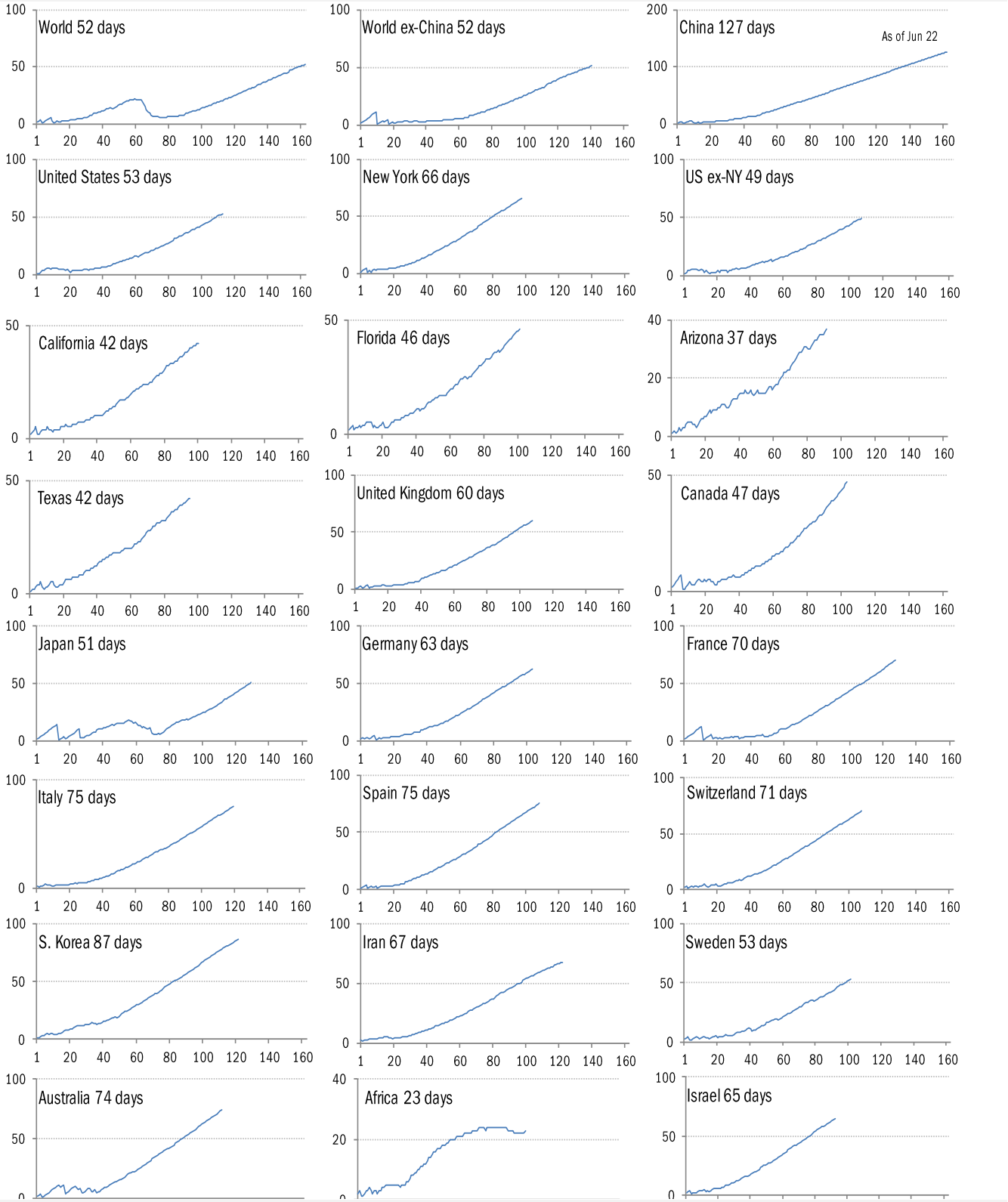
*Share of deceased population from day of first fatality*




Source: ECDC, TrendMacro calculations

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

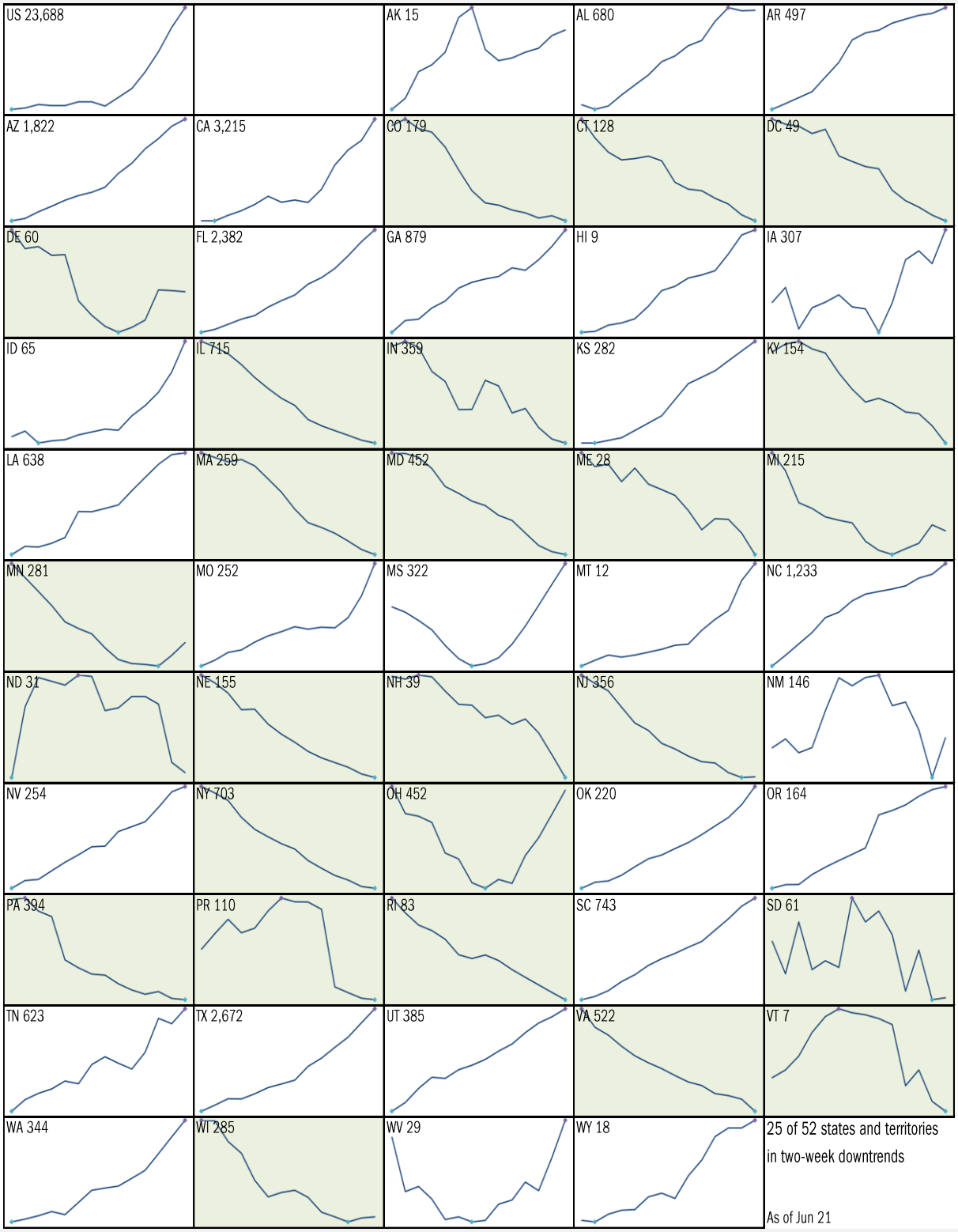
*Vertical: number of days it takes to double deaths  Horizontal: days from first death*




Source: ECDC, TrendMacro calculations

Requirement to Open Up America Again: ■ 14-day "downward trajectory" in new cases

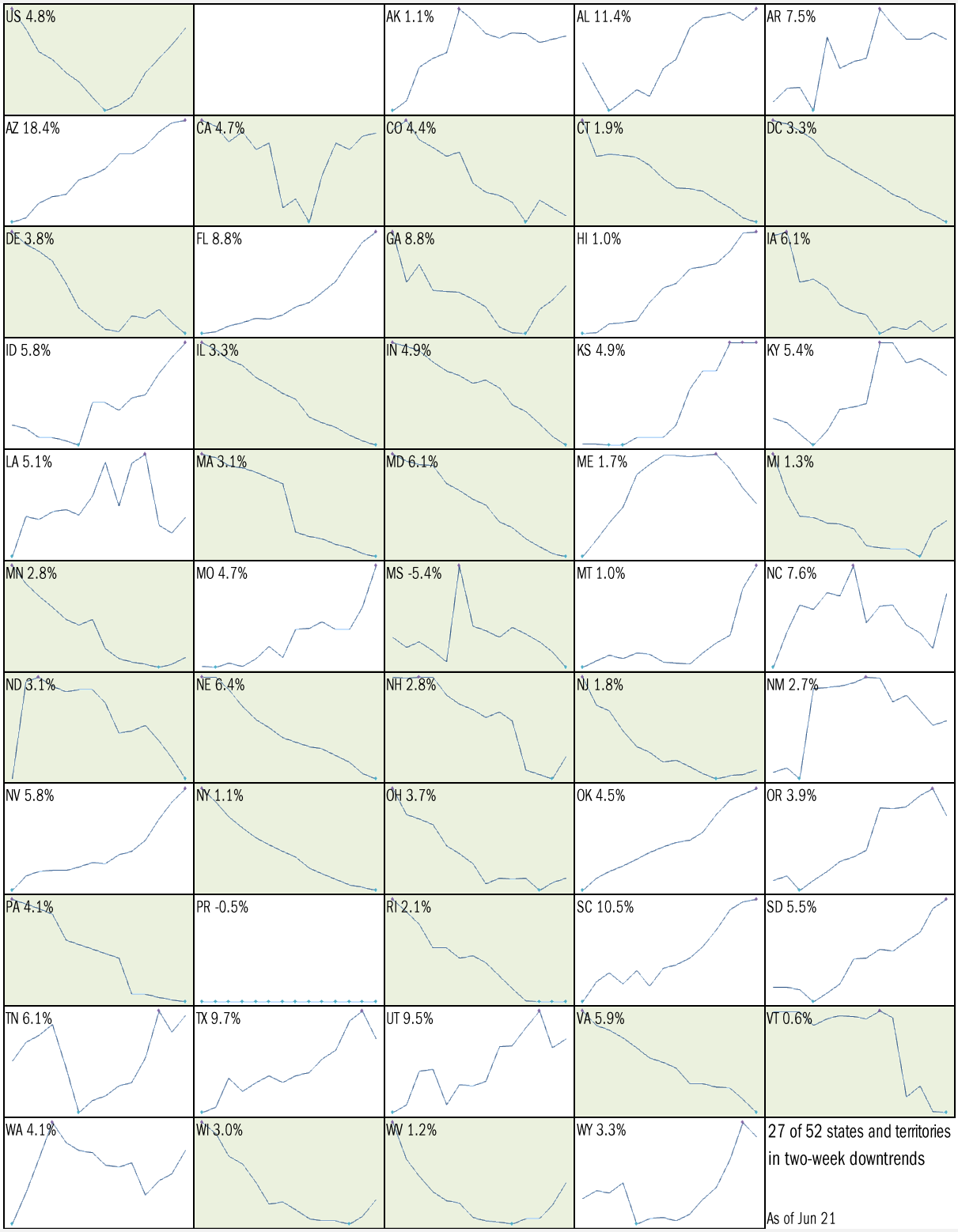
*14-day moving average, last 14 days  Most recent value displayed* • High • Low




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

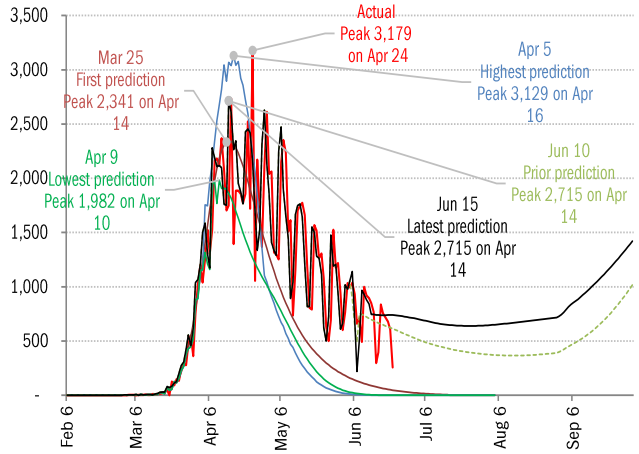



Source: Covid Tracking Project, TrendMacro calculations

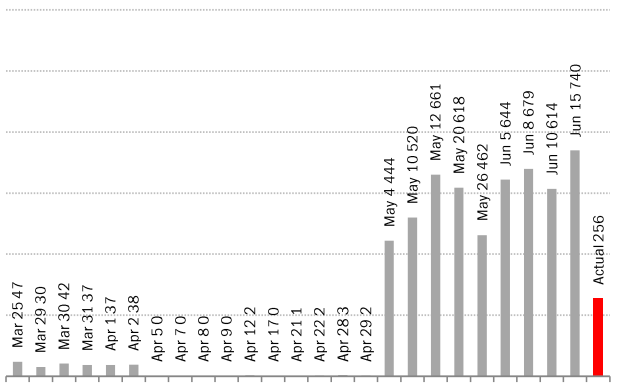
# Reality-checking the models: actuals versus IHME predictions

**New daily fatalities** As of Jun 22

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

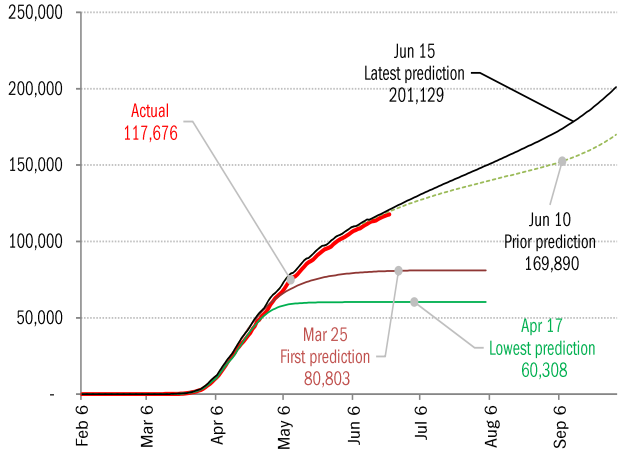



For this day, versus all model mean predictions

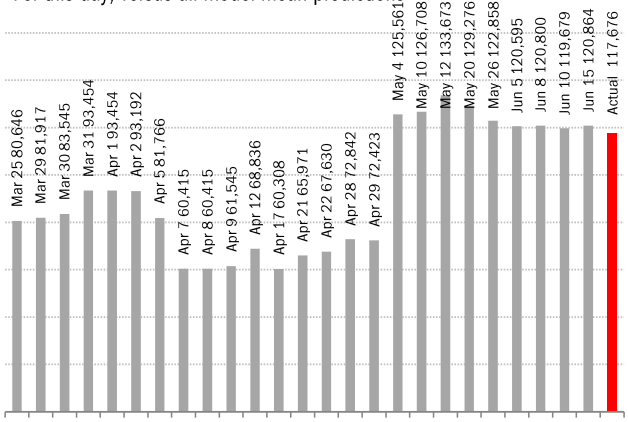



**Cumulative fatalities**

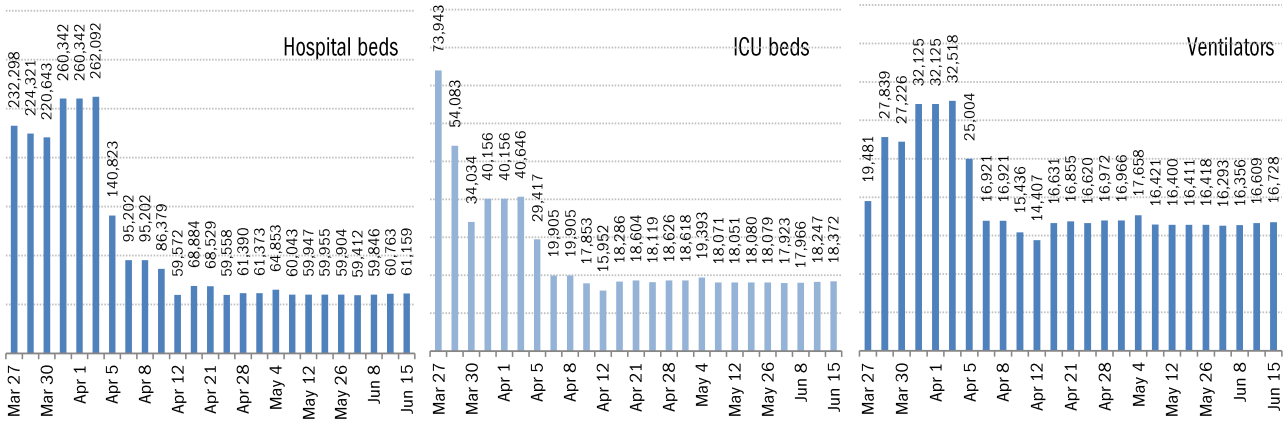
Actual versus first, highest, lowest and latest model mean predictions




For this day, versus all model mean predictions

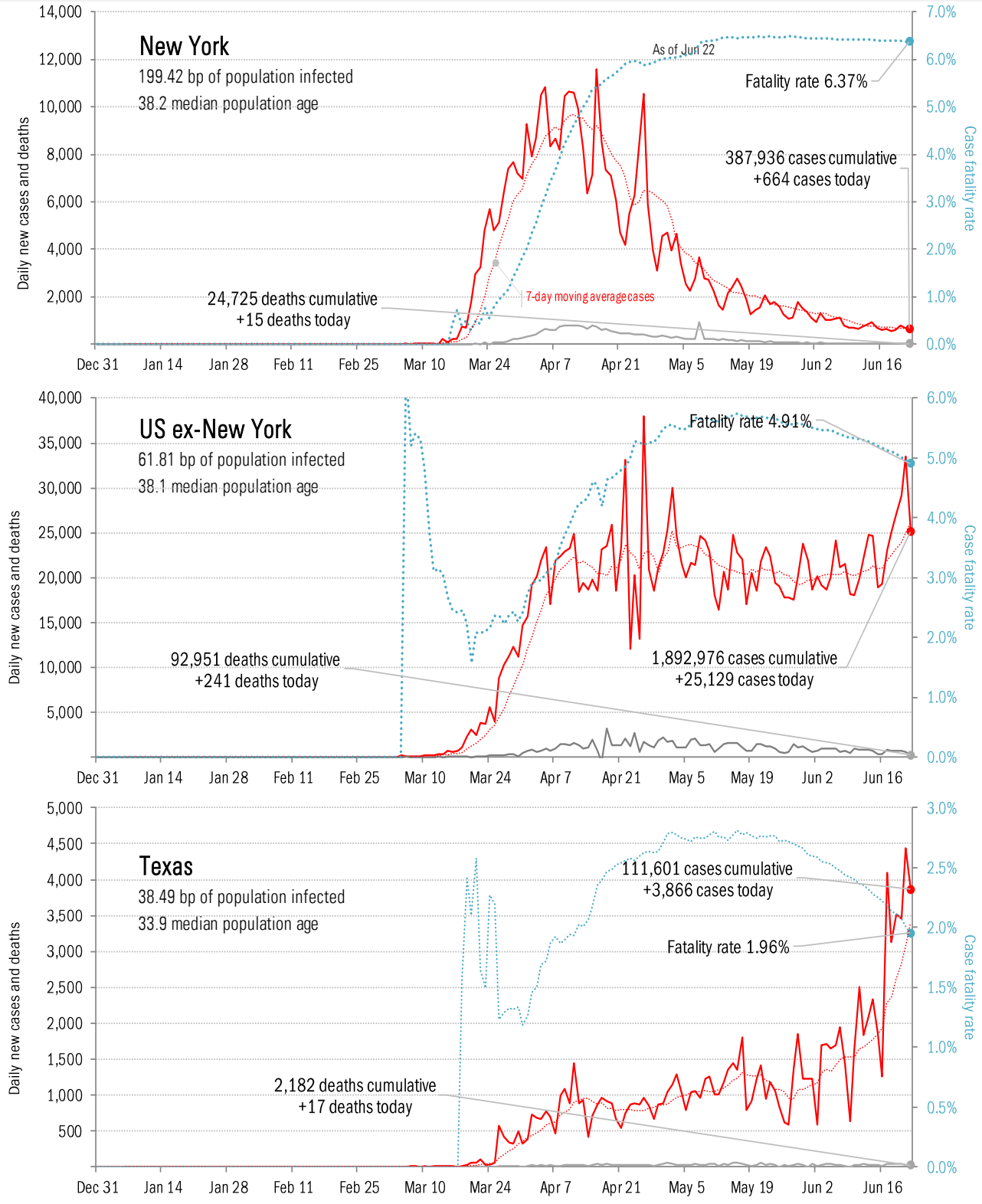



**Healthcare system stress, peak estimated at each model revision**



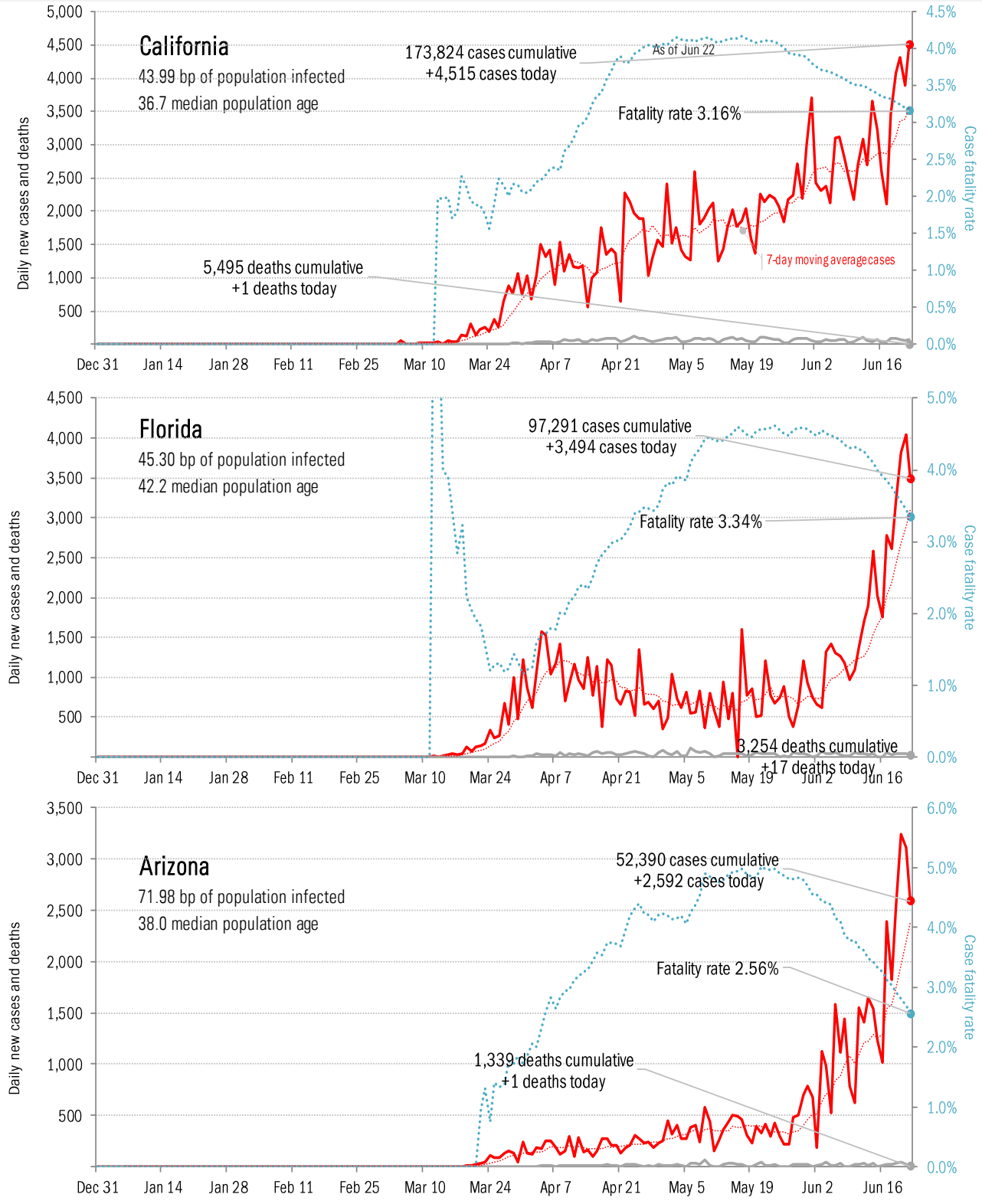

Source: ECDC, IHME, TrendMacro calculations

## From Ground Zero to the Rio Grande



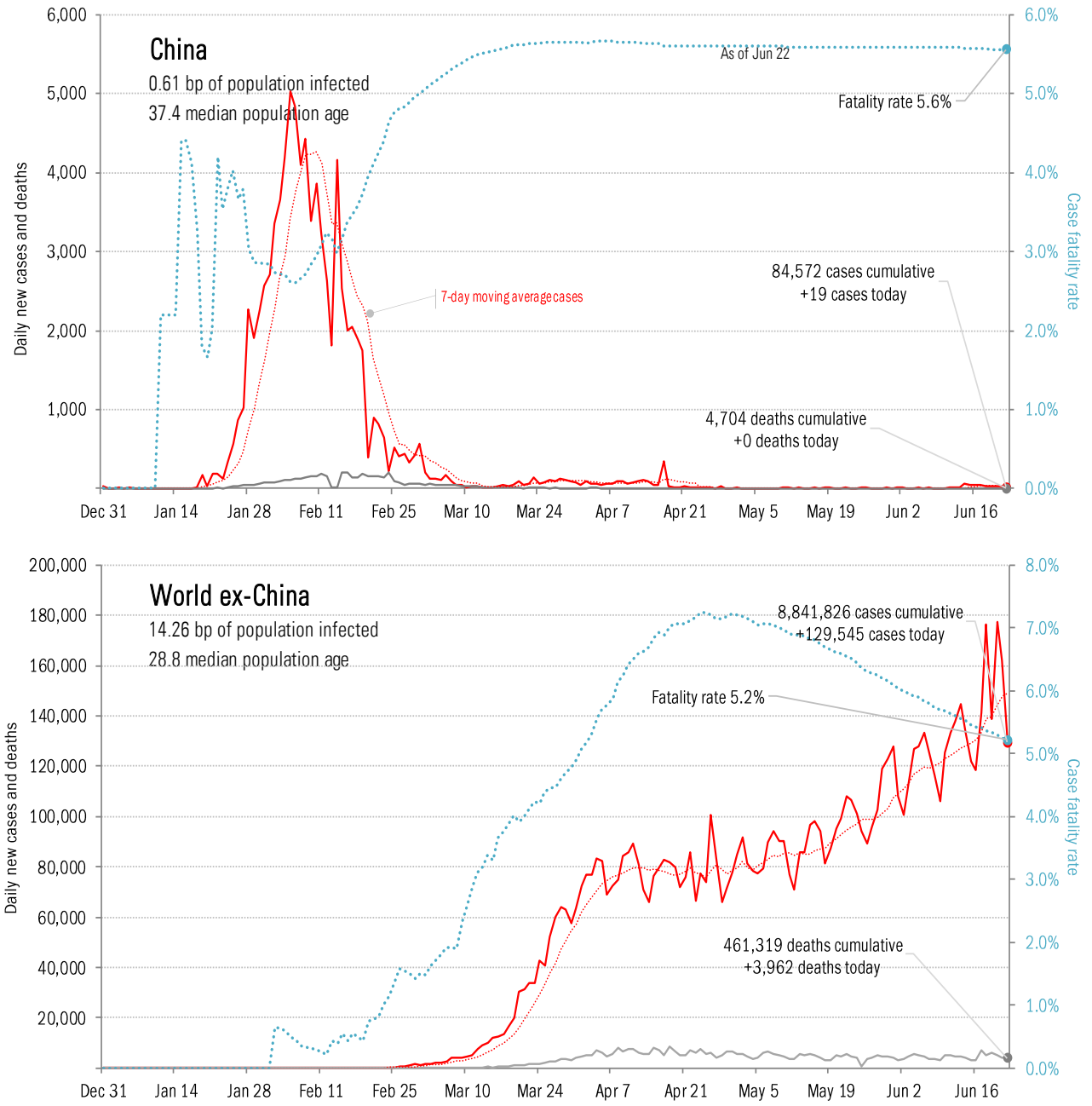

Source: ECDC, TrendMacro calculations

# The “second wave” states (other than Texas)



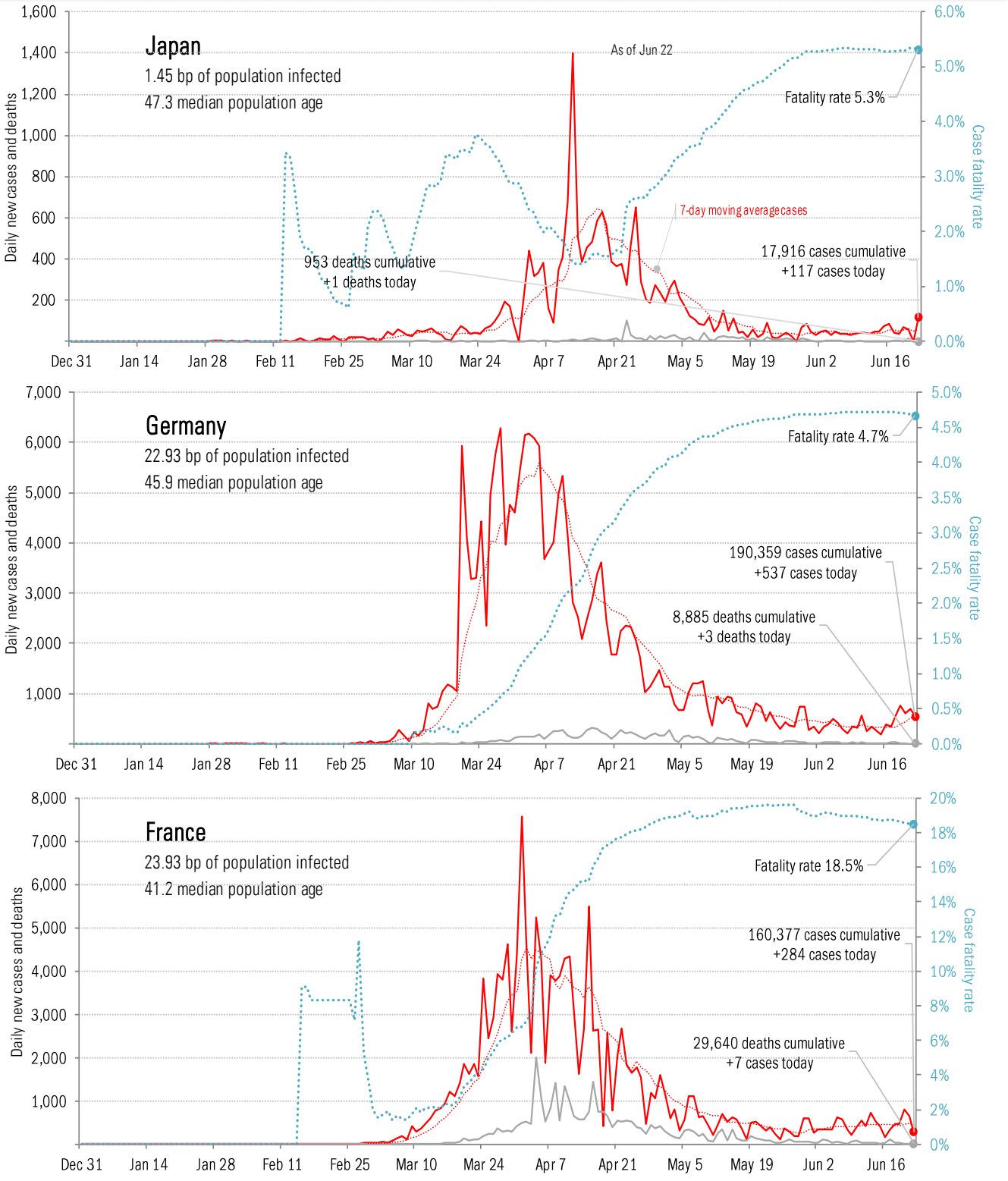

Source: ECDC, TrendMacro calculations

## Patient zero… and then everyone else



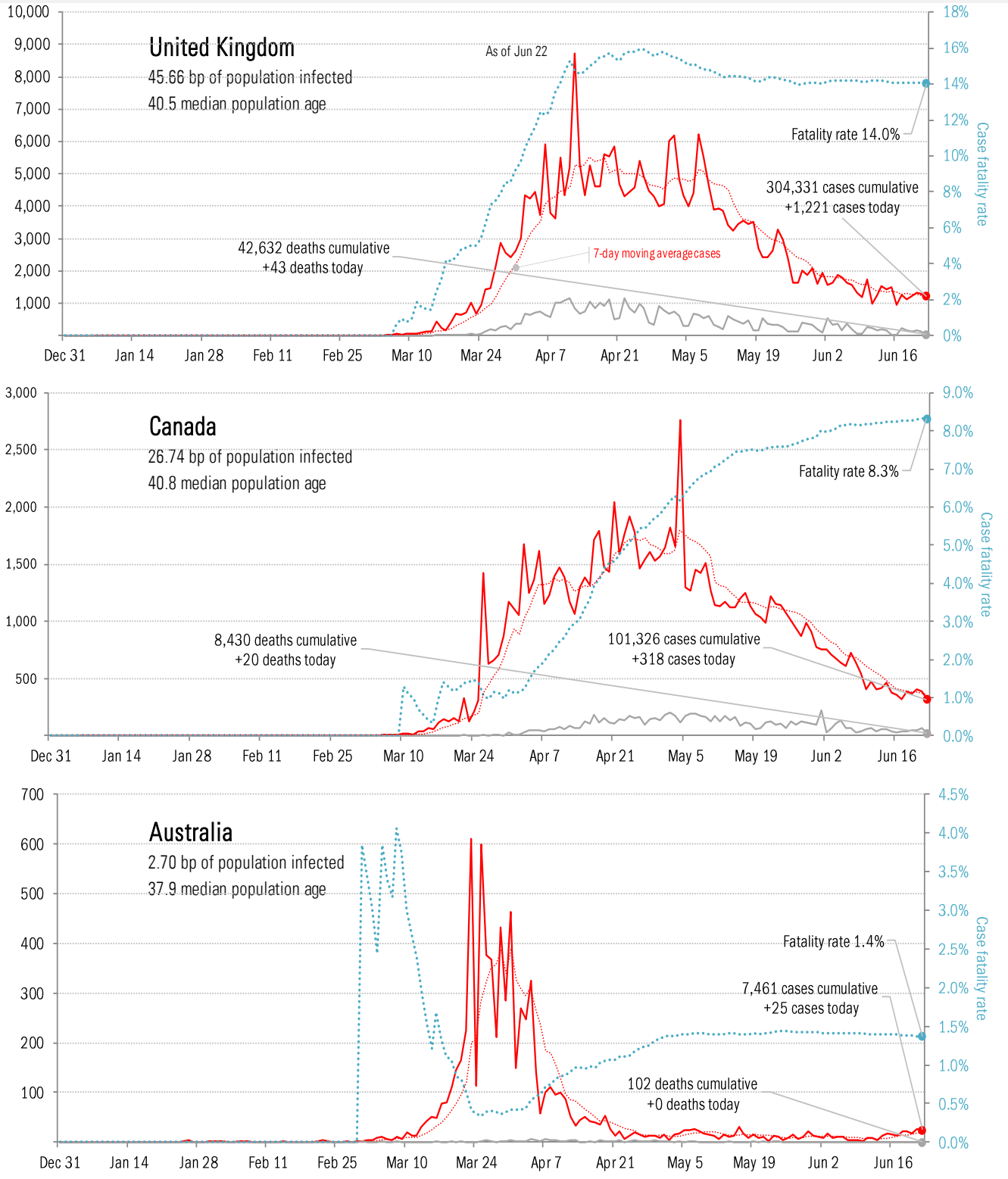

Source: ECDC, TrendMacro calculations

# Impact in the largest economies



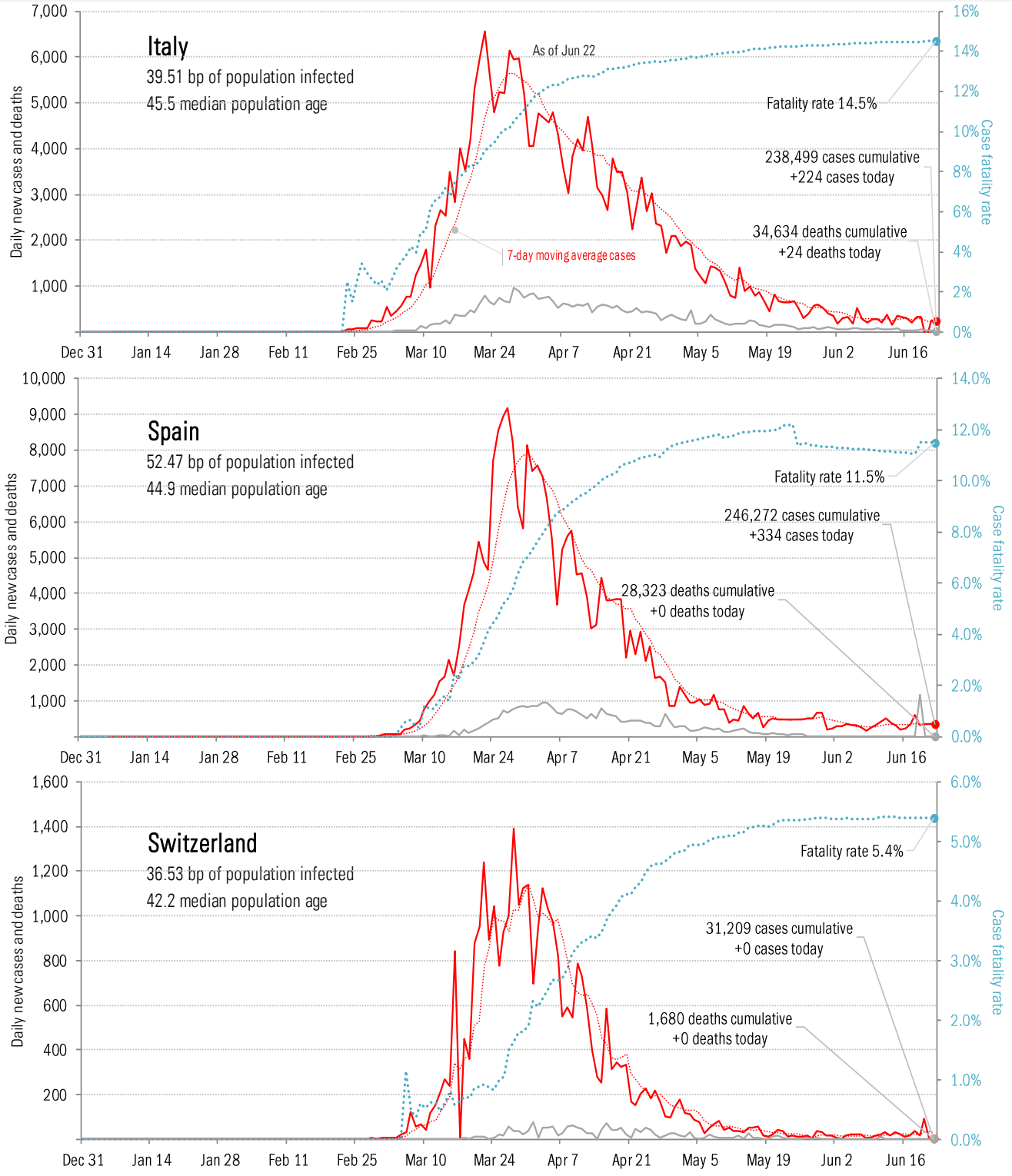

Source: ECDC, TrendMacro calculations

## Impact in The Anglosphere



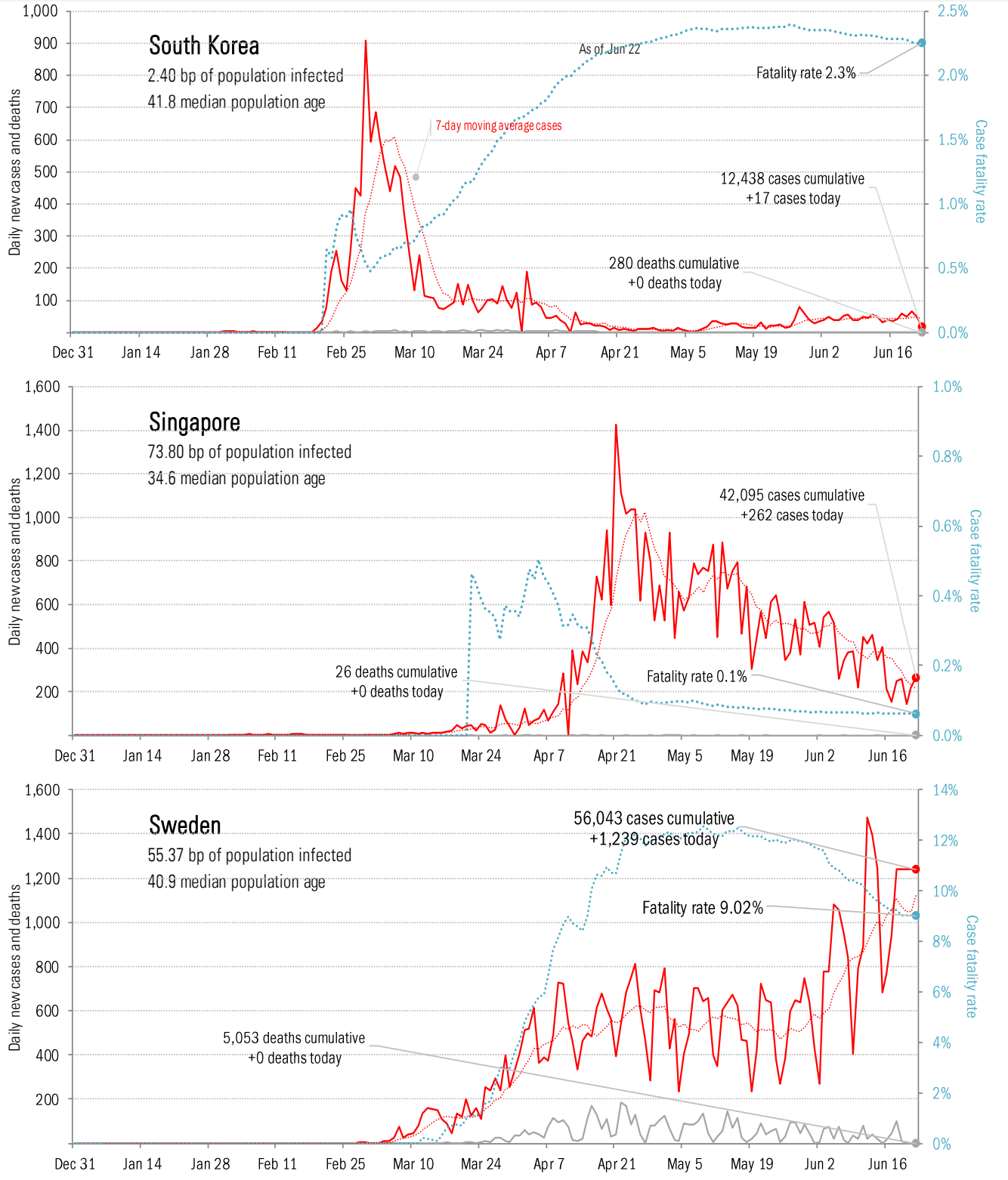

Source: ECDC, TrendMacro calculations

# Impact in continental Europe



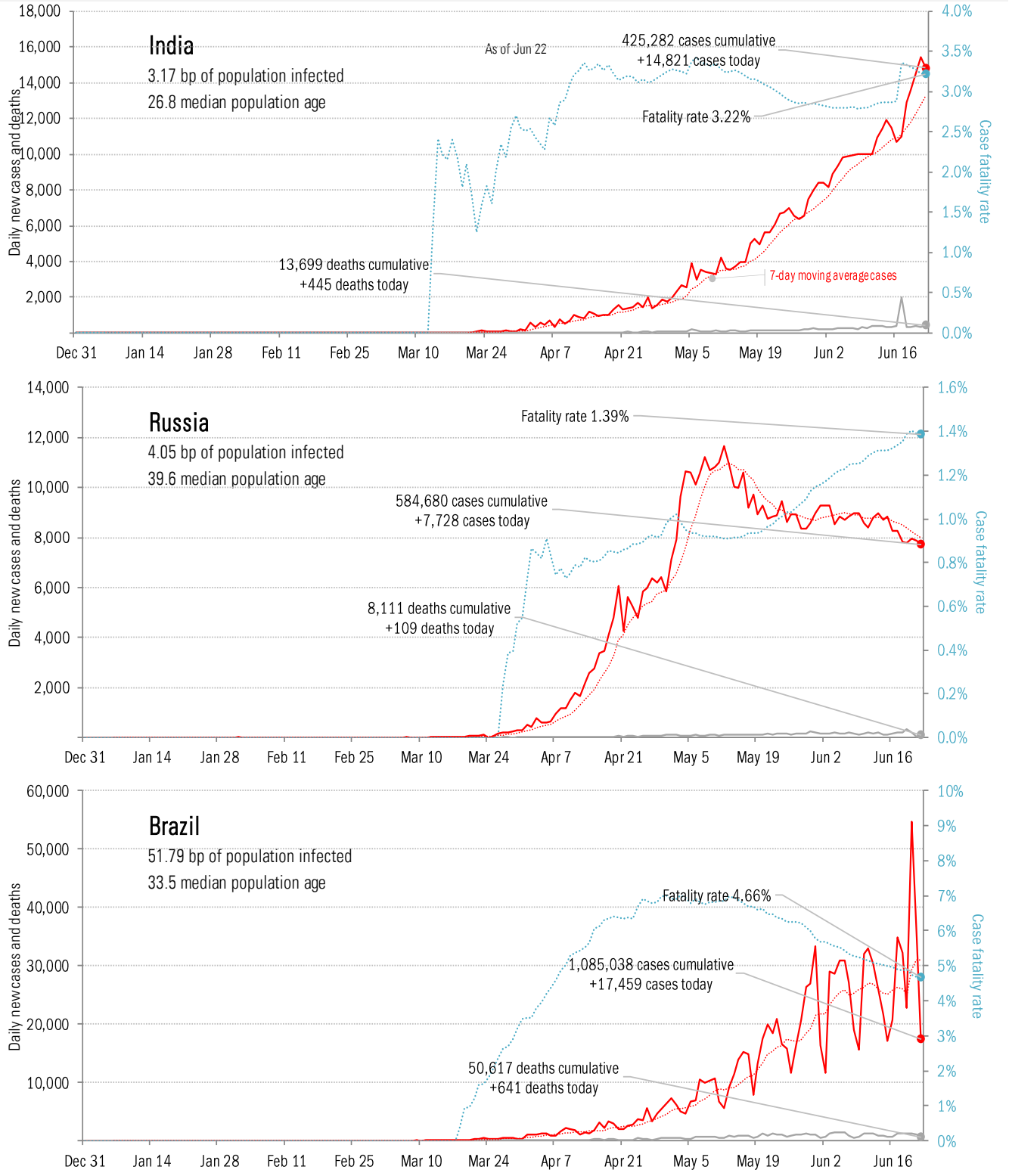

Source: ECDC, TrendMacro calculations

# Impact in other hot-spots



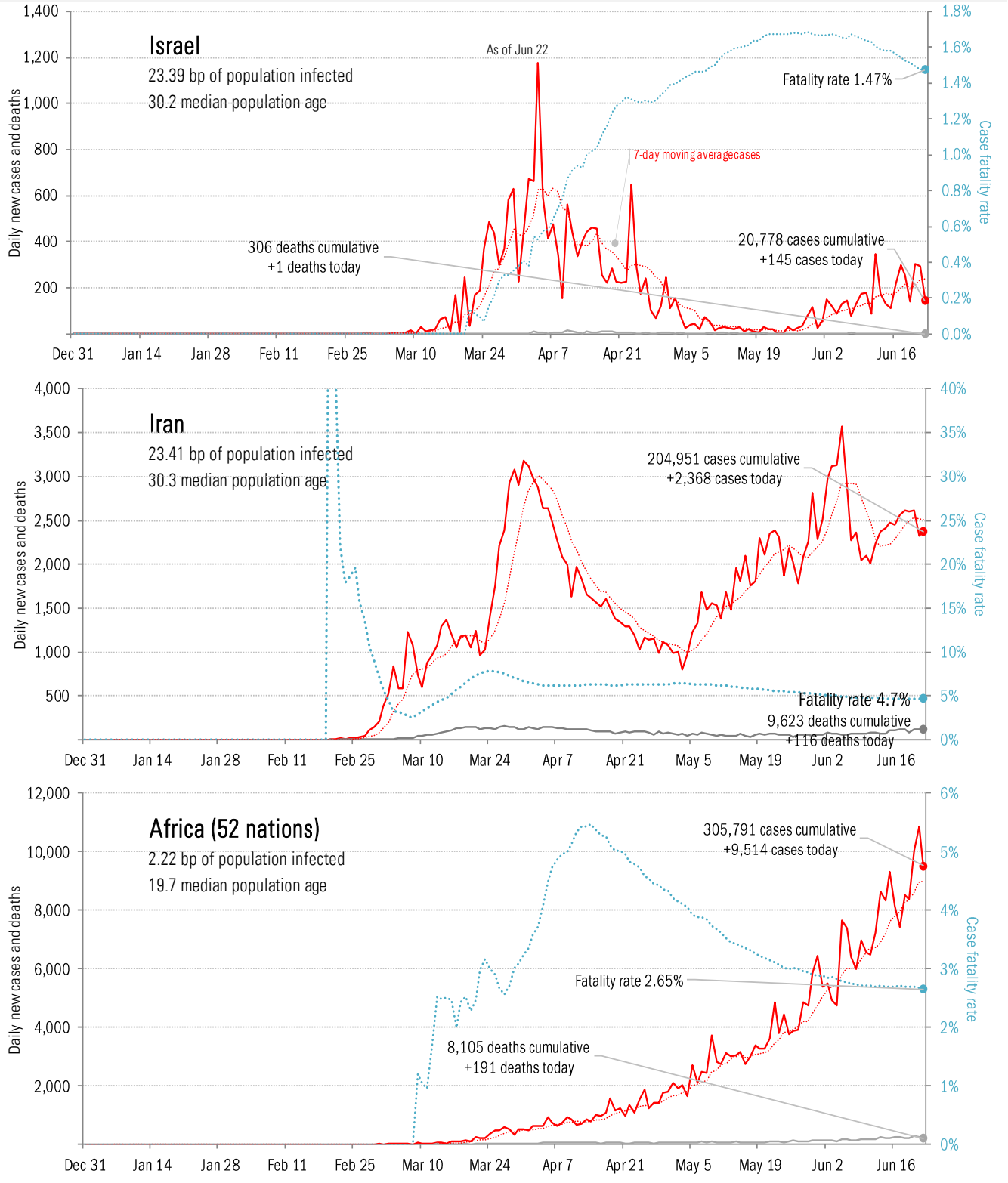

Source: ECDC, TrendMacro calculations

## Impact in the BRICs ex-China




Source: ECDC, TrendMacro calculations

## Impact in the Middle East and Africa




Source: ECDC, TrendMacro calculations