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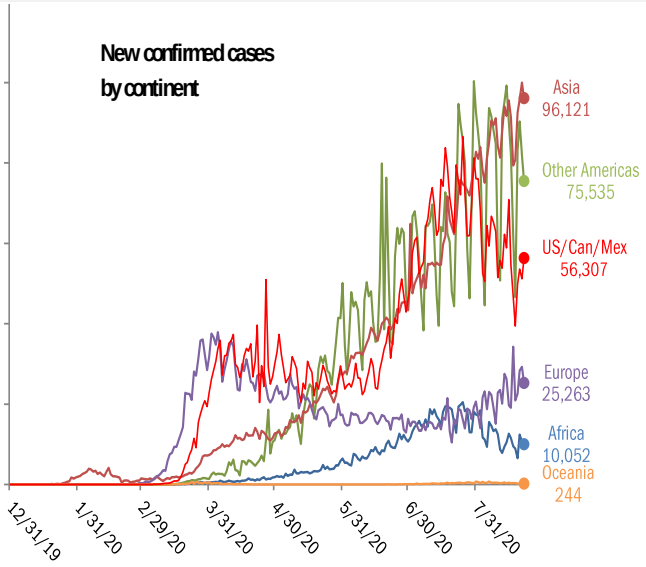
# Data Insights: Covid-2019 Monitor

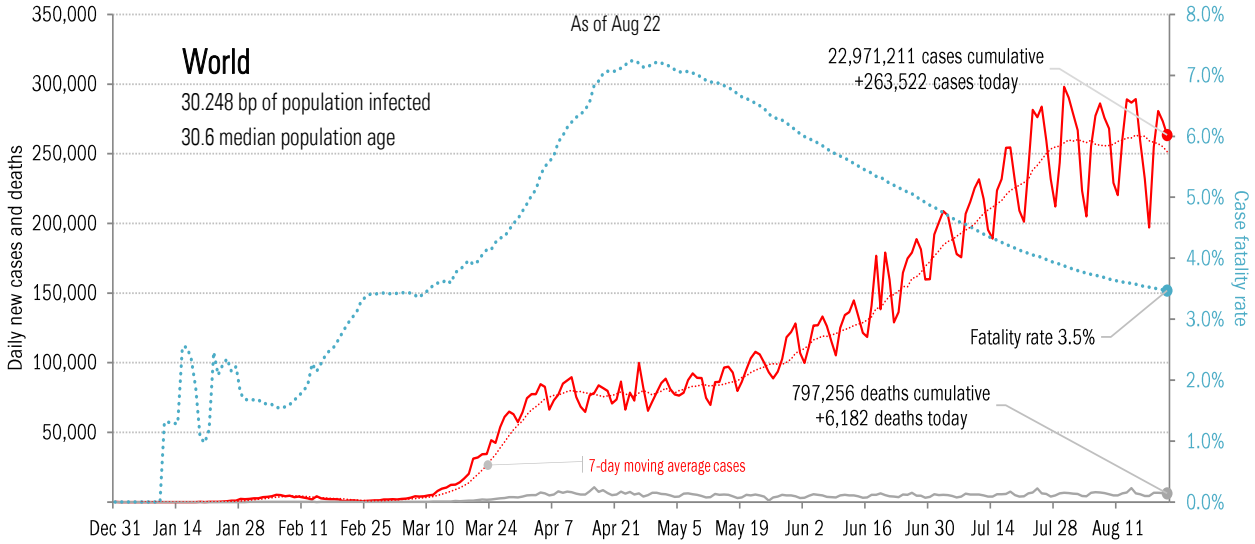
Saturday, August 22, 2020

## The global scorecard

**The worst ten countries**

| New cases | | New Deaths | |
|---|---|---|---|
| India | +69,878 | US | +1,151 |
| US | +49,880 | Brazil | +1,054 |
| Brazil | +30,355 | India | +945 |
| Argentina | +16,384 | Mexico | +504 |
| Peru | +9,008 | Colombia | +385 |
| Colombia | +8,419 | Argentina | +324 |
| Mexico | +5,928 | South_Africa | +225 |
| Russia | +4,870 | Peru | +211 |
| France | +4,586 | Iran | +112 |
| Philippines | +4,343 | Kazakhstan | +105 |
| | +203,651 | | +5,016 |
| World | +263,522 | World | +6,182 |
| Top ten | 77% | Top ten | 81% |




Source: ECDC, TrendMacro calculations

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

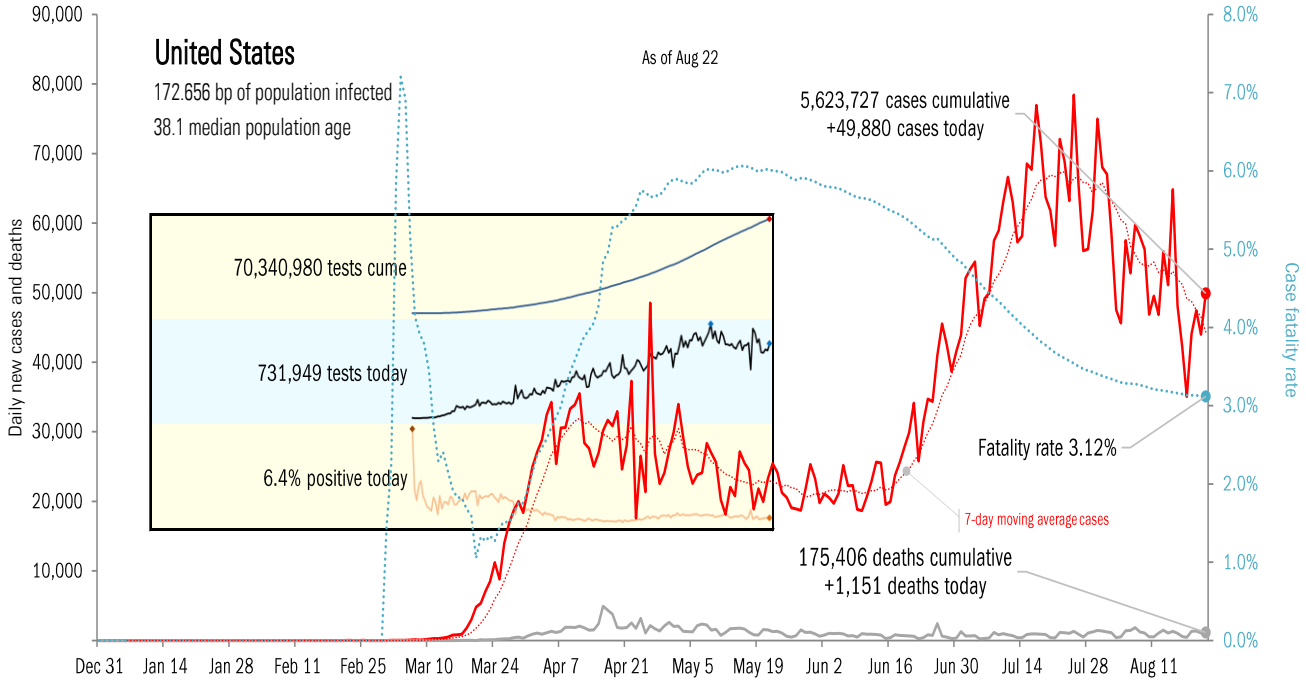
National and state-by-state data do not line up because of different sources

**The ten worst US states**

| New cases | | New Deaths | | New in hospital | | Cume cases | | Cume deaths | | Cume in hospital | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CA | +5,585 | TX | +258 | FL | +355 | CA | 650,336 | NY | 25,278 | NY | 89,995 |
| TX | +5,021 | CA | +135 | SC | +293 | FL | 593,286 | NJ | 15,941 | FL | 36,425 |
| FL | +4,684 | FL | +118 | GA | +245 | TX | 567,580 | CA | 11,821 | GA | 23,125 |
| GA | +2,889 | GA | +94 | VA | +125 | NY | 428,512 | TX | 11,051 | NJ | 22,393 |
| IL | +2,293 | TN | +61 | OH | +104 | GA | 249,630 | FL | 10,304 | AZ | 21,210 |
| NC | +2,008 | SC | +58 | TN | +99 | IL | 217,346 | MA | 8,901 | VA | 15,482 |
| TN | +1,669 | LA | +50 | KS | +69 | AZ | 196,899 | IL | 8,066 | MD | 13,823 |
| MO | +1,231 | NC | +29 | AZ | +67 | NJ | 188,817 | PA | 7,558 | AL | 13,330 |
| OK | +1,077 | OH | +26 | AR | +66 | NC | 151,912 | MI | 6,634 | OH | 12,719 |
| SC | +1,058 | MS | +24 | OK | +48 | LA | 141,720 | GA | 4,998 | MA | 12,245 |
| | +27,515 | | +853 | | +1,471 | | 3,386,038 | | 110,552 | | 260,747 |
| All states | +46,821 | All states | +1,123 | All states | +1,817 | All states | 5,593,318 | All states | 167,262 | All states | 357,093 |
| Top ten | 59% | Top ten | 76% | Top ten | 81% | Top ten | 61% | Top ten | 66% | Top ten | 73% |

**Five most improved US states**

| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | | Most recoveries | |
|---|---|---|---|---|---|---|---|
| AL | -650 | AZ | -46 | AL | -250 | TX | +6,865 |
| MI | -527 | CA | -28 | FL | -95 | TN | +1,719 |
| CA | -335 | NV | -25 | CT | -72 | OH | +1,080 |
| TX | -282 | MI | -16 | IN | -68 | WI | +979 |
| HI | -235 | AL | -14 | AZ | -56 | SC | +913 |




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

## Recommended reading

[The Obama-Biden Virus Response]
Kimberly Strassel
*Wall Street Journal*
August 20, 2020

[Joe Biden's Me-Too Covid Plan]
*Wall Street Journal*
August 21, 2020

[Rutherford County Schools Tell Parents Not to Monitor Their Child's Virtual Classrooms]
Chris Butler
*Tennessee Star*
August 15, 2020

[Residential Context and COVID-19 Mortality among the Elderly in Stockholm: A population-based, observational study]
Maria Brandén et al.
*Stockholm Research Reports in Demography*
June 7, 2020

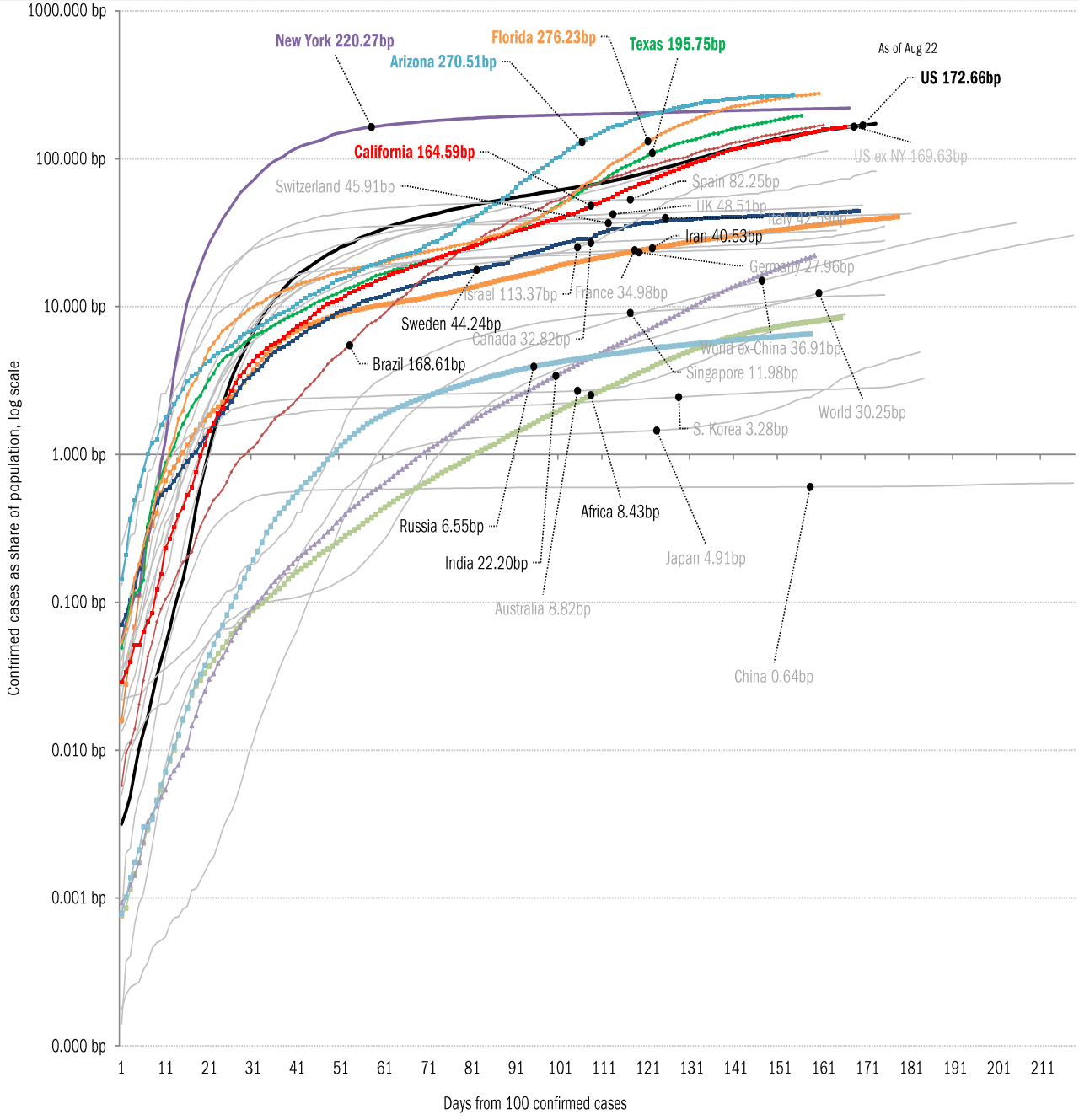
[Pediatric SARS-CoV-2: Clinical Presentation, Infectivity, and Immune Responses]
Lael M. Yonker et al.
*Journal of Pediatrics*
August 19, 2020

## Meme of day

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

## The coronavirus case accelerometer… tracking the world's infection curves

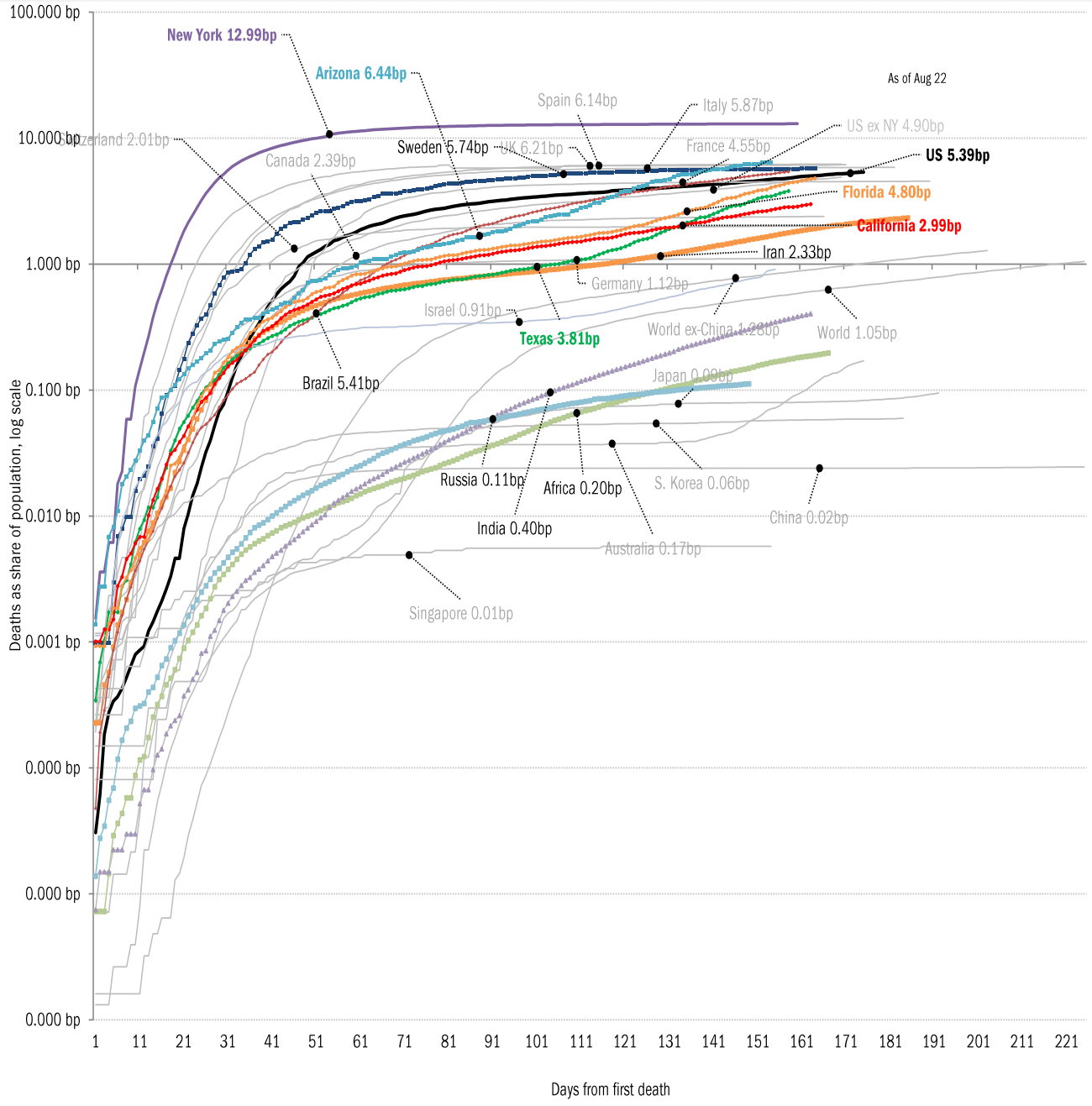
*Share of infected population from first day with 100 confirmed cases, log scale*




Source: ECDC, TrendMacro calculations

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

*Share of deceased population from day of first fatality*

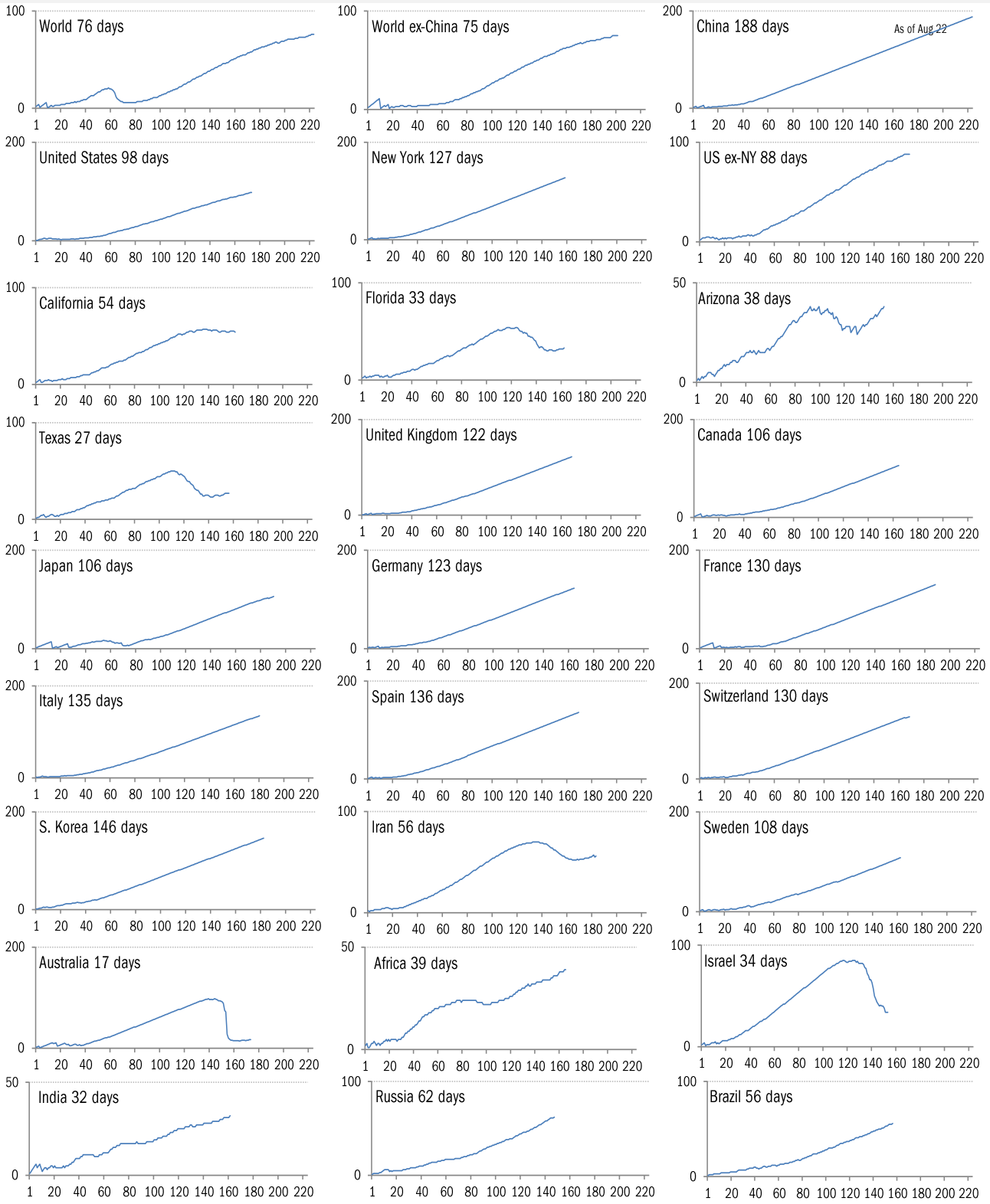



Source: ECDC, TrendMacro calculations

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

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

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

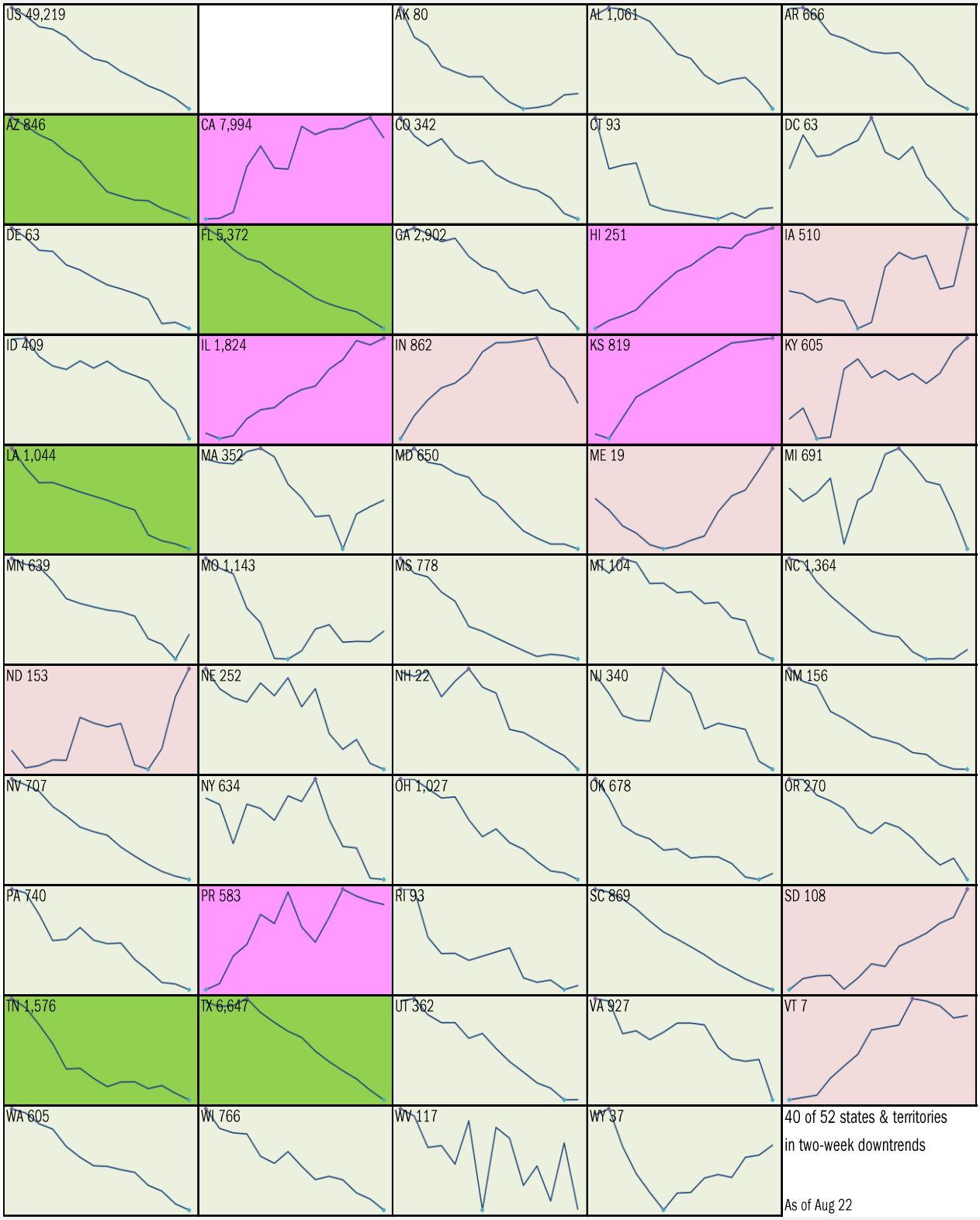



Source: ECDC, TrendMacro calculations

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

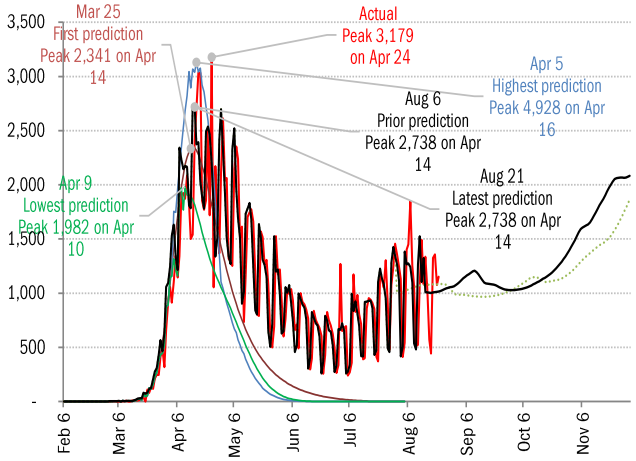
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

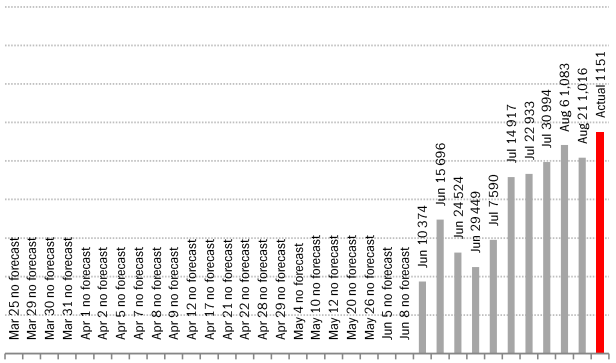
# Reality-checking the models: actuals versus IHME predictions

**New daily fatalities** As of Aug 22

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

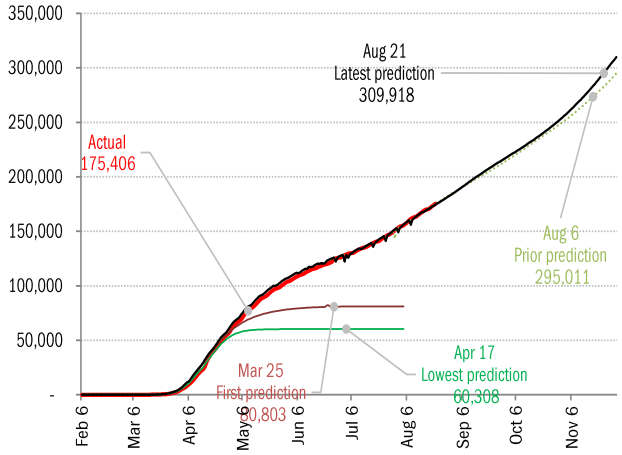



For this day, versus all model mean predictions

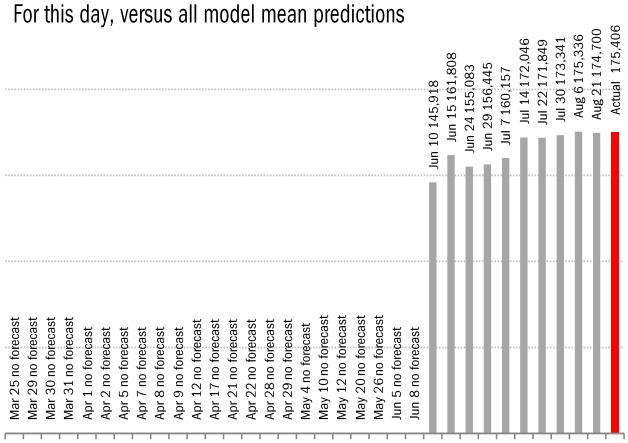



**Cumulative fatalities**

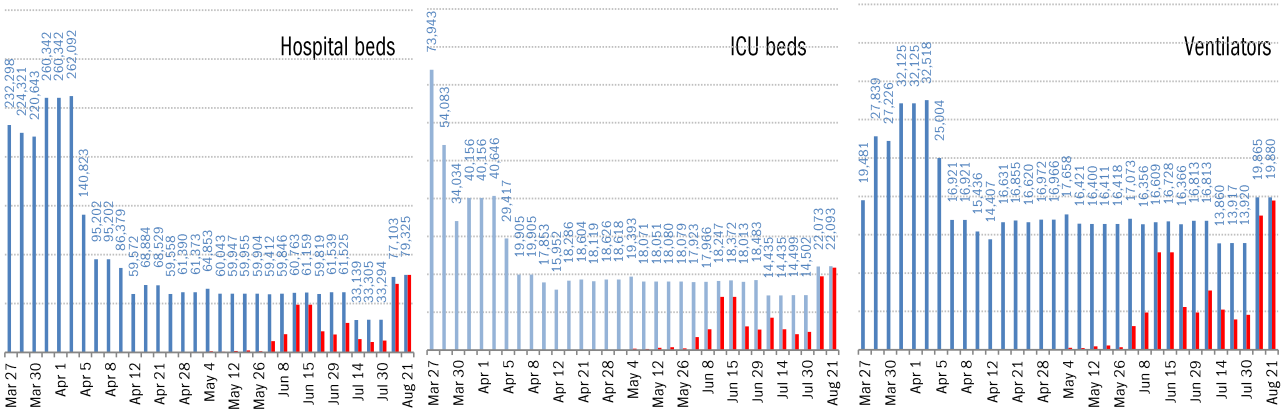
Actual versus first, highest, lowest and latest model mean predictions




For this day, versus all model mean predictions

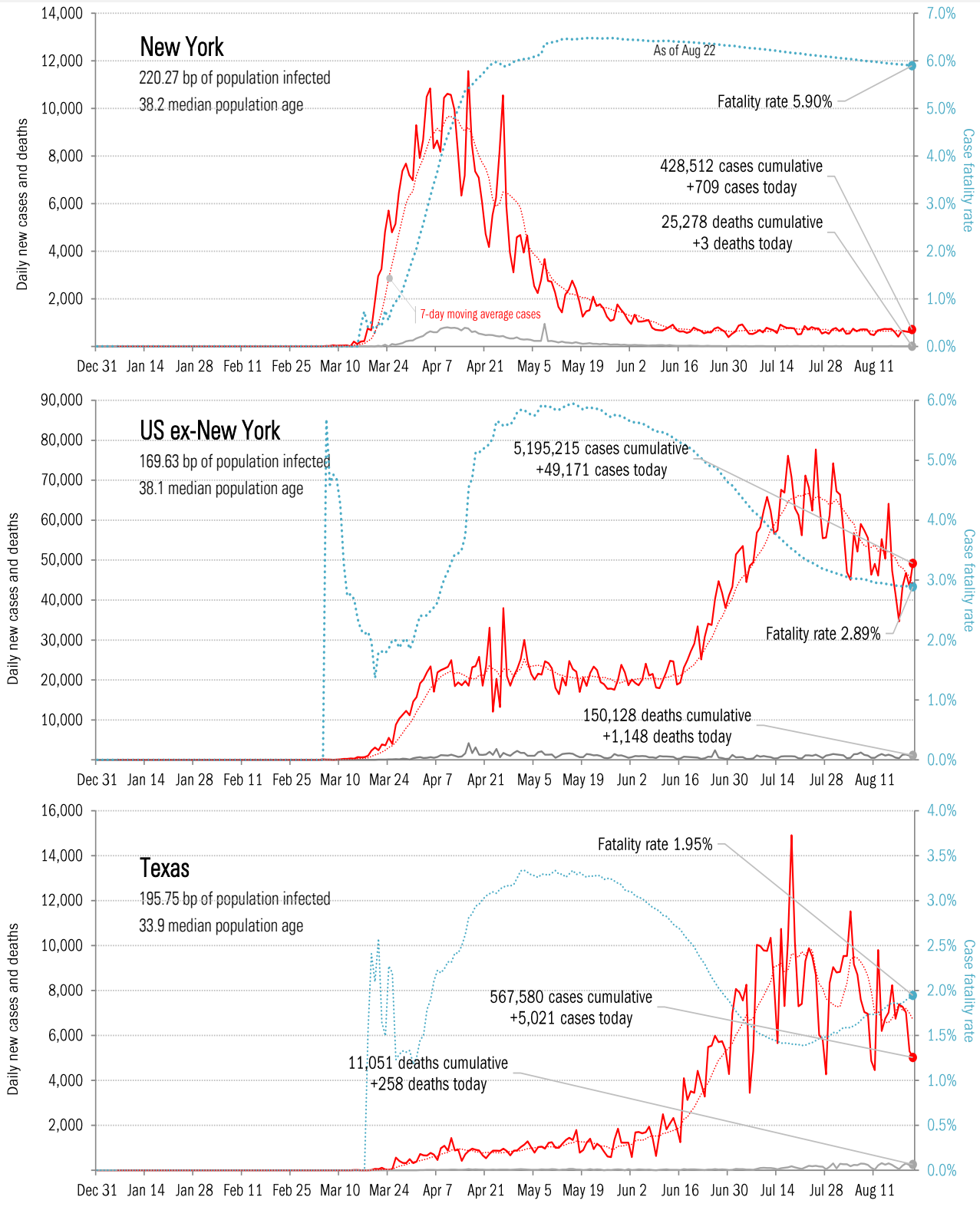



**Healthcare system stress, peak and ultimate estimated at each model revision**



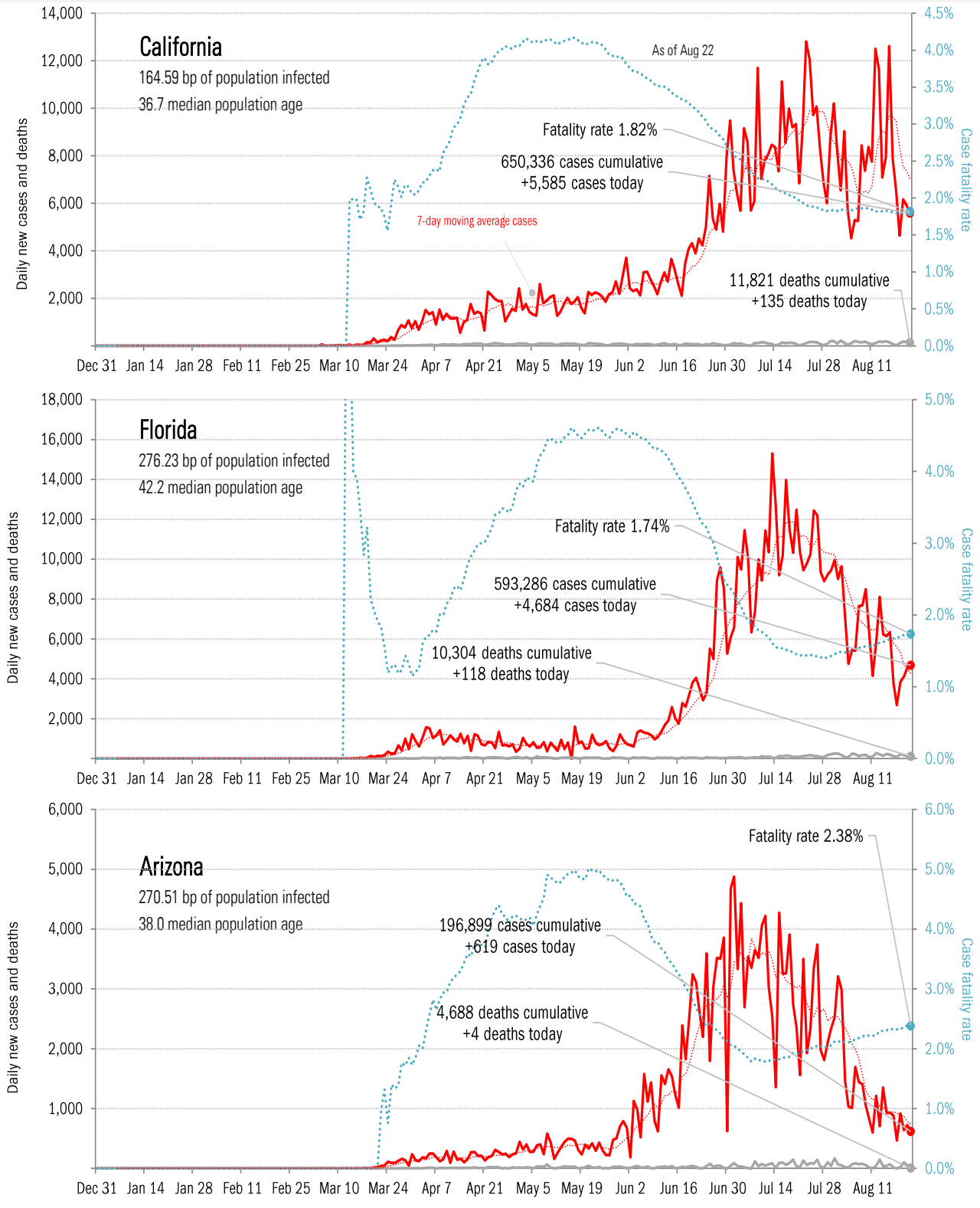

Source: ECDC, IHME, TrendMacro calculations

# From Ground Zero to the Rio Grande



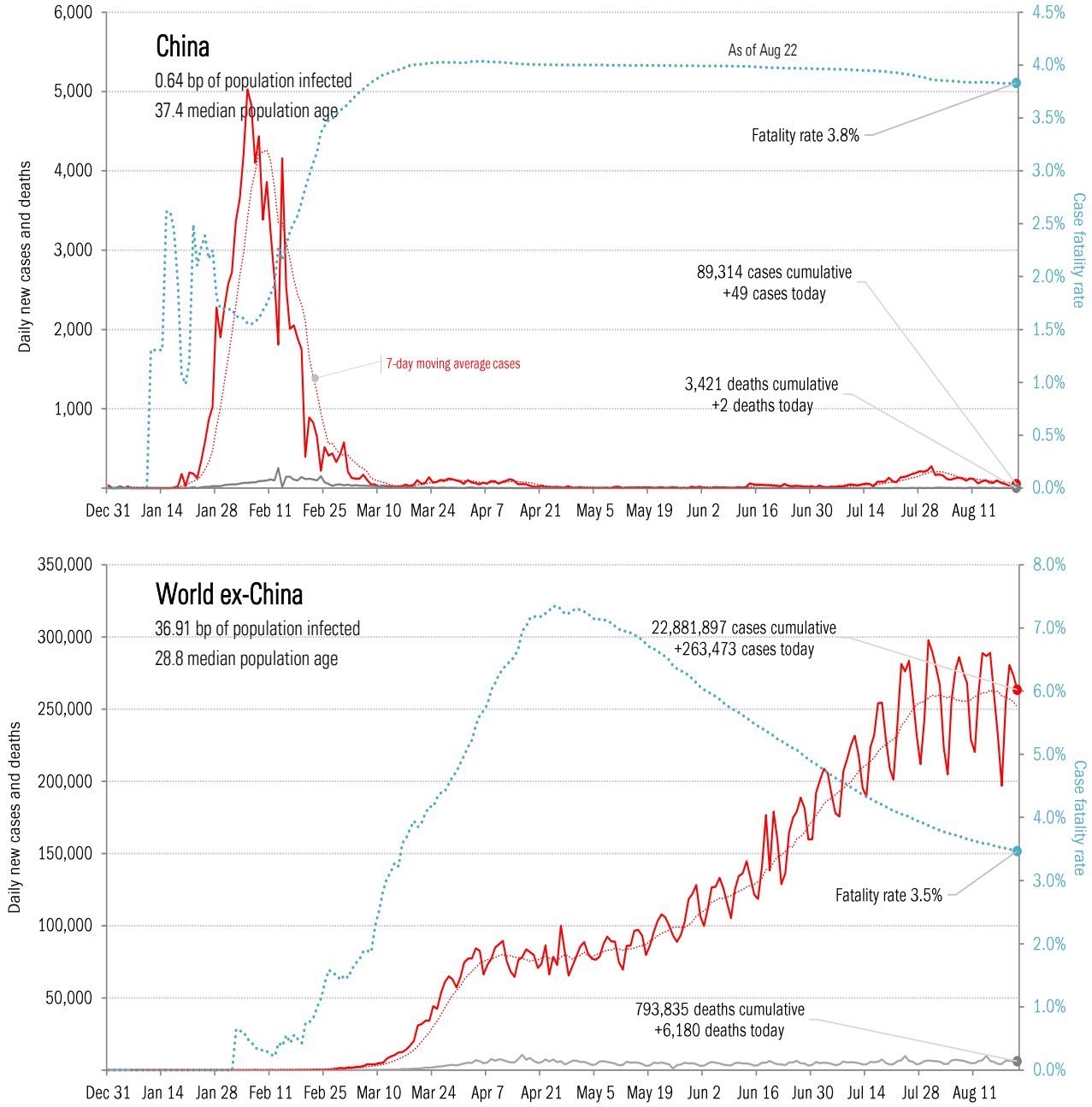

Source: ECDC, TrendMacro calculations

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



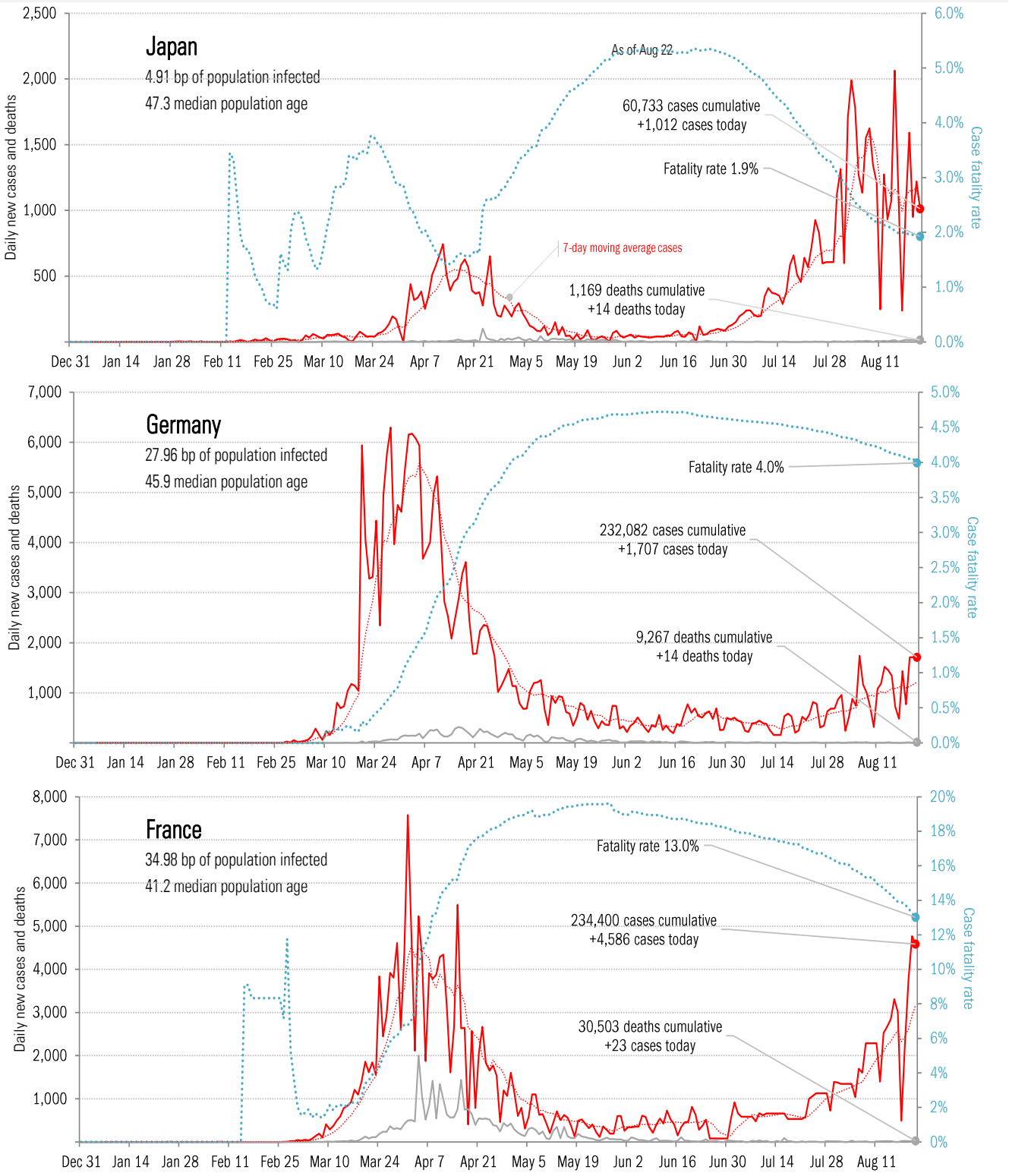

Source: ECDC, TrendMacro calculations

## Patient zero… and then everyone else



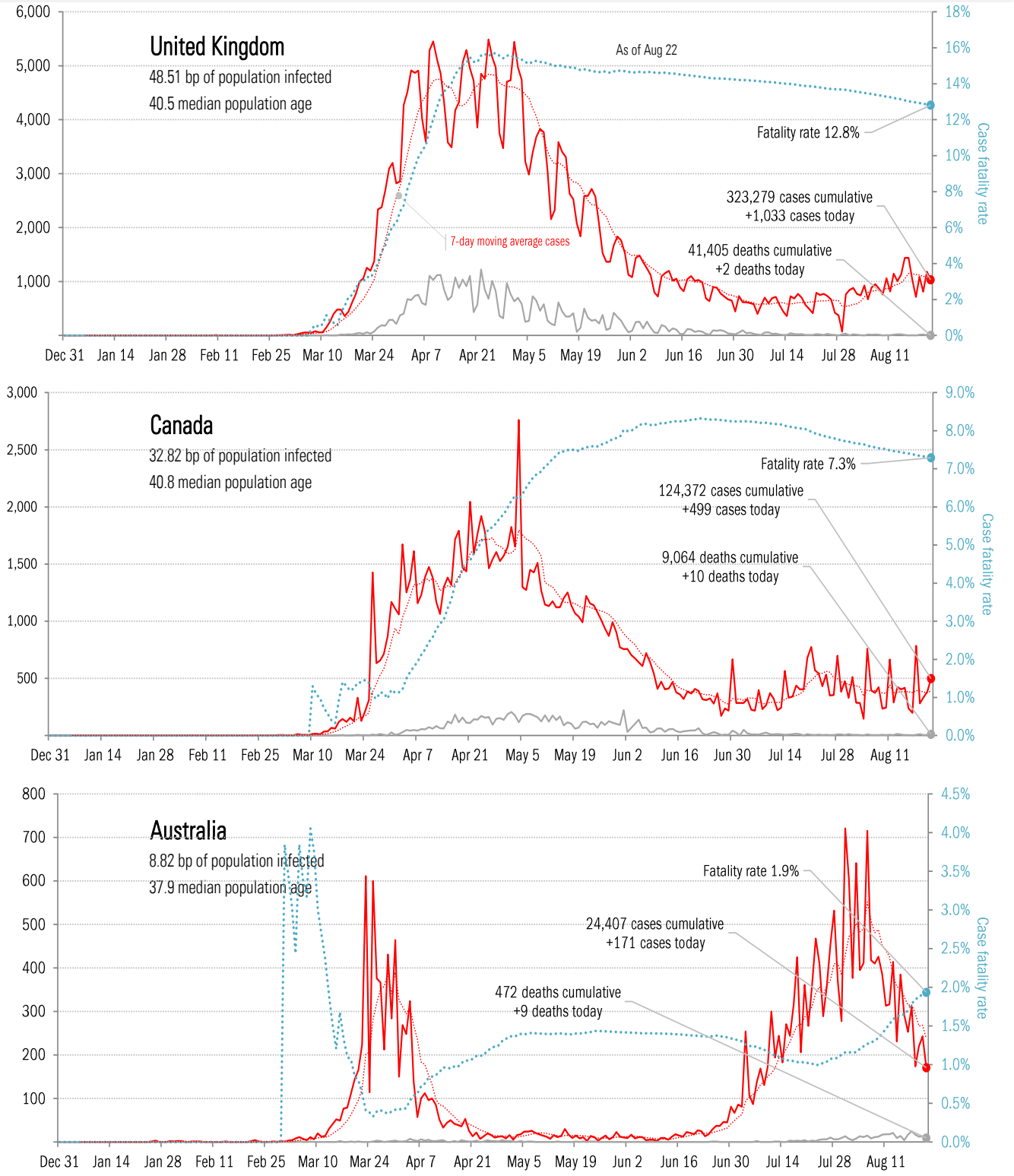

Source: ECDC, TrendMacro calculations

## Impact in the largest economies



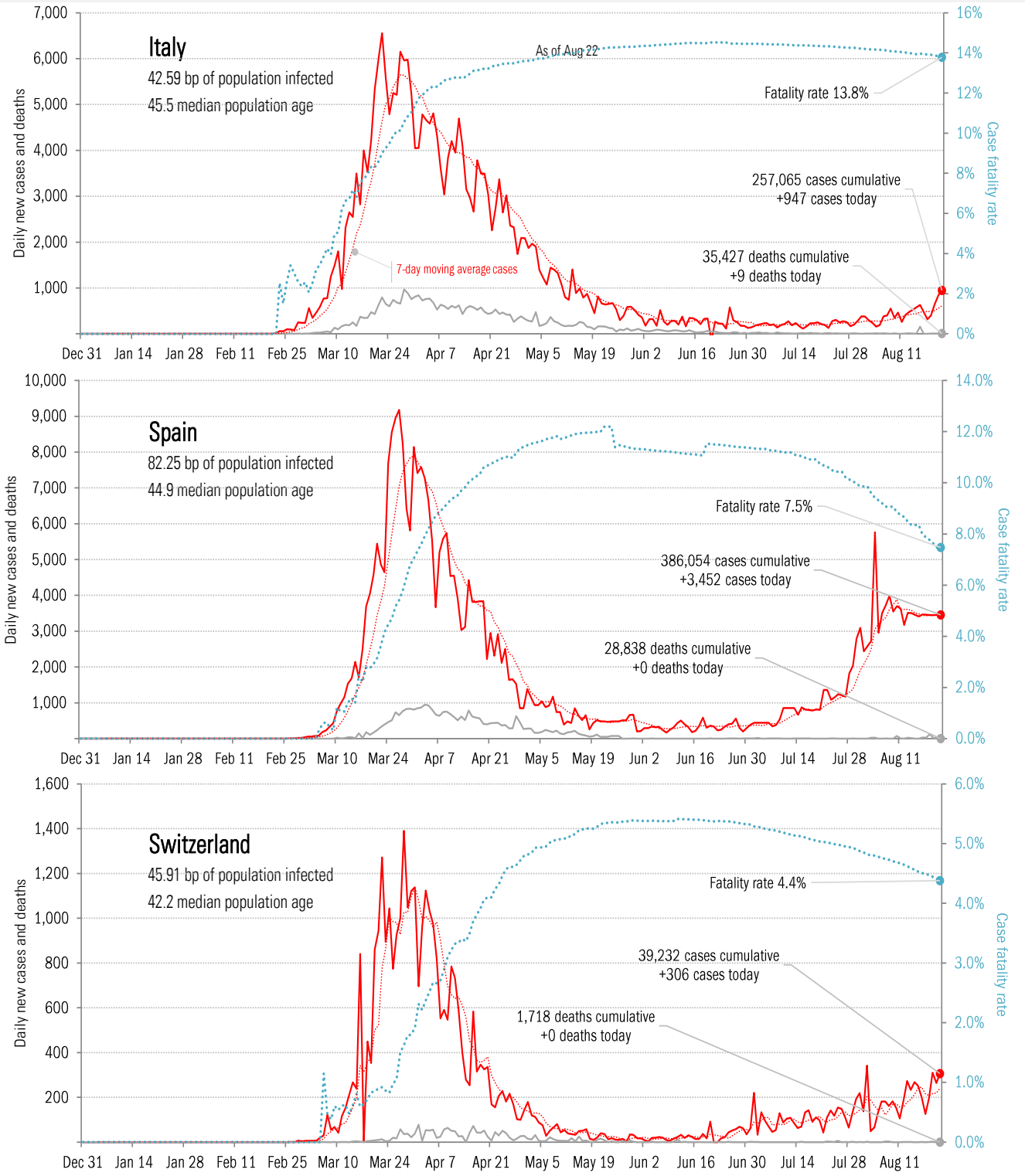

Source: ECDC, TrendMacro calculations

## Impact in The Anglosphere



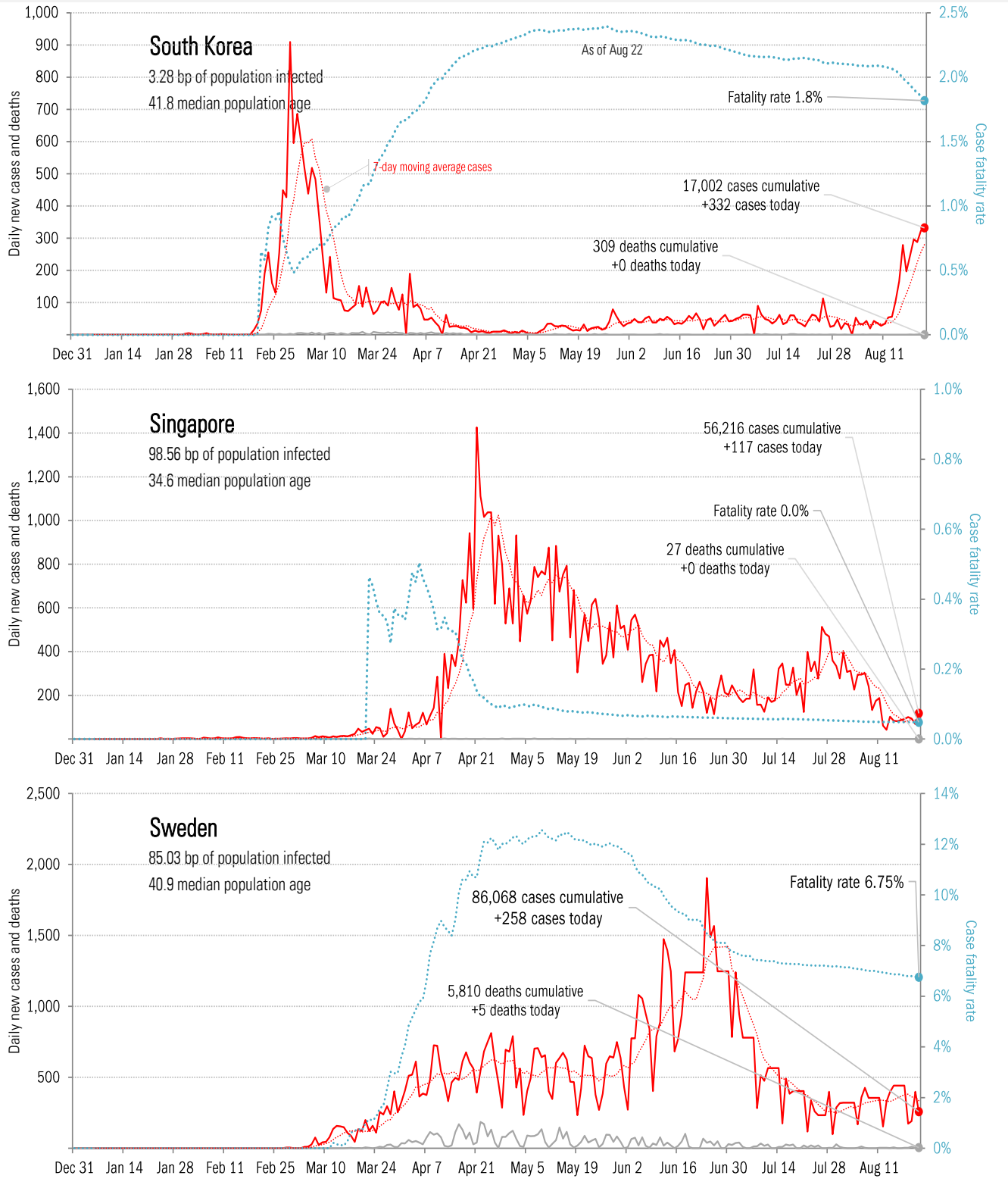

Source: ECDC, TrendMacro calculations

## Impact in continental Europe



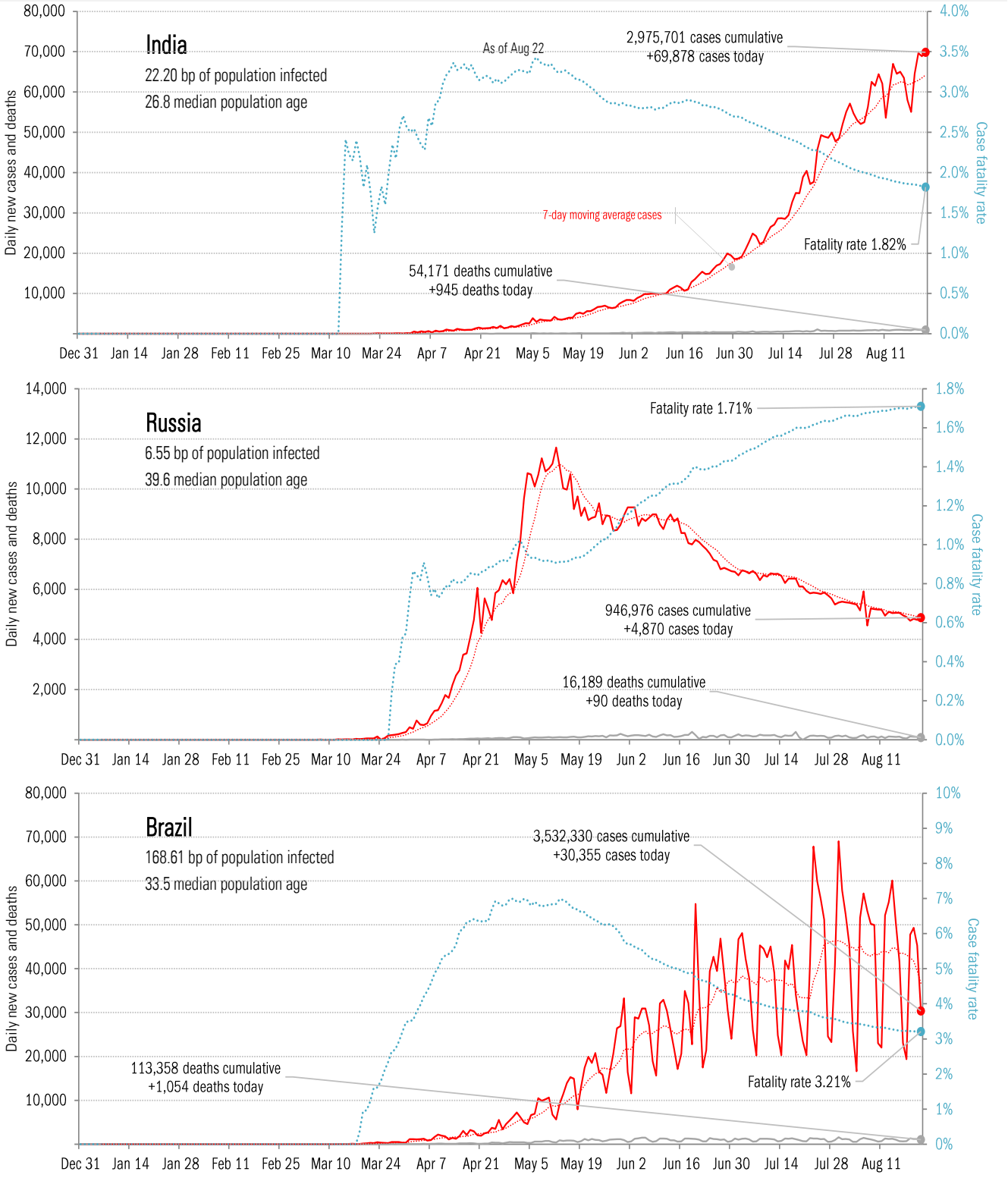

Source: ECDC, TrendMacro calculations

## Impact in other hot-spots



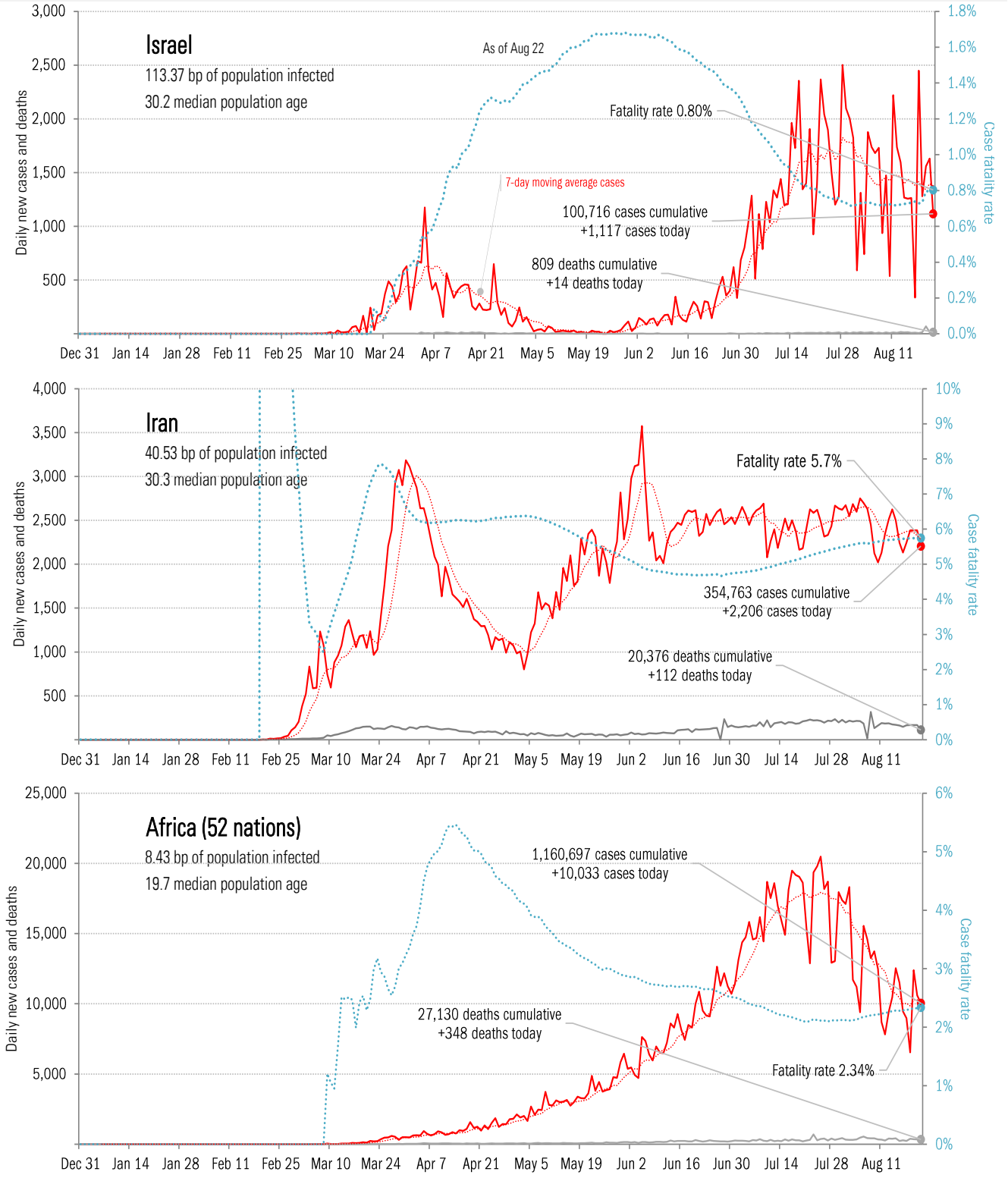

Source: ECDC, TrendMacro calculations

## Impact in the BRICs ex-China




Source: ECDC, TrendMacro calculations

## Impact in the Middle East and Africa




Source: ECDC, TrendMacro calculations