

## Data Insights: Covid-2019 Monitor

Tuesday, August 16, 2022

### The global scorecard

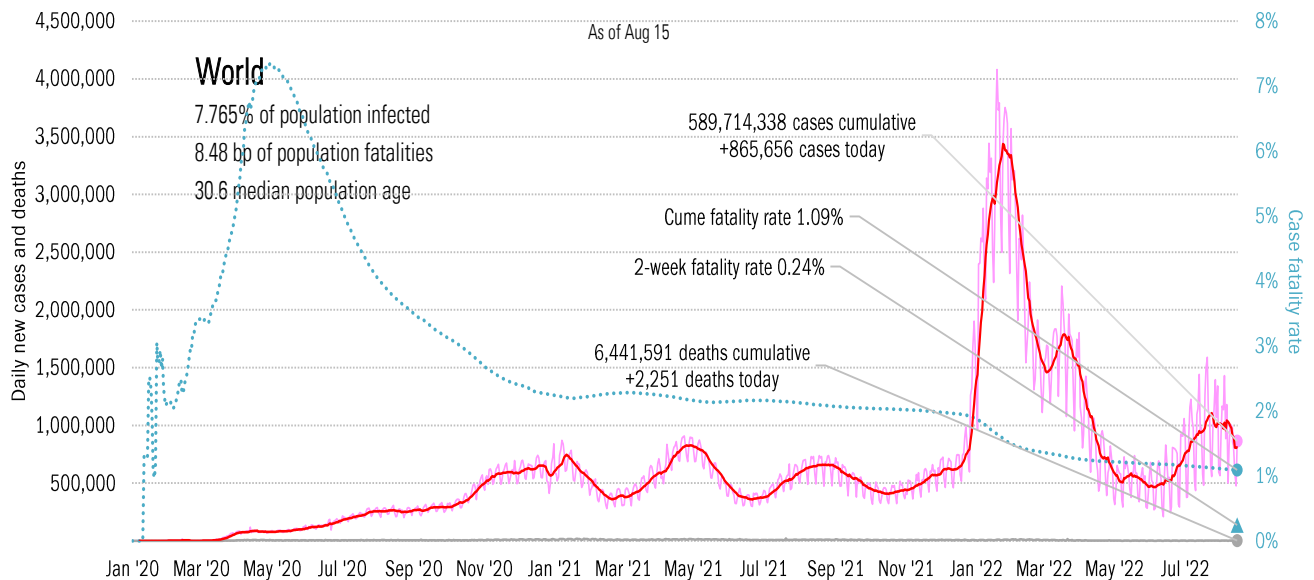
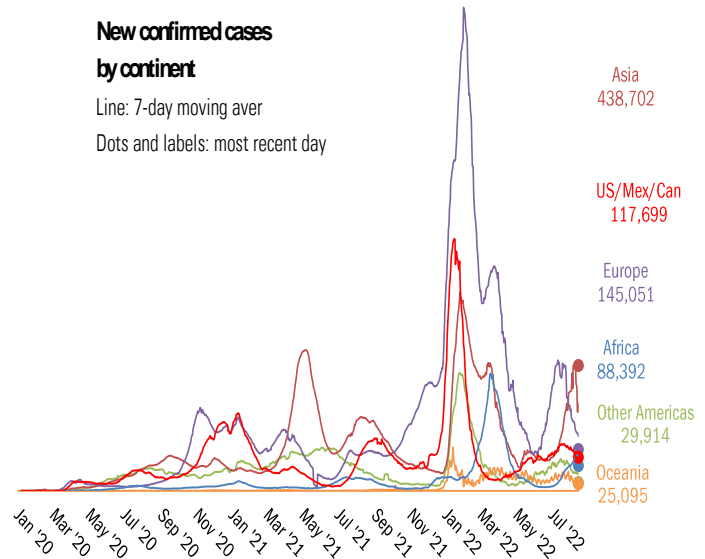
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

| New cases      |         | New Deaths    |       |
|----------------|---------|---------------|-------|
| Turkey         | 232,253 | United States | 514   |
| Japan          | 138,475 | Turkey        | 380   |
| United States  | 111,385 | Brazil        | 304   |
| Korea, South   | 84,128  | Japan         | 204   |
| Germany        | 63,745  | Germany       | 140   |
| Brazil         | 30,109  | Peru          | 72    |
| Russia         | 24,881  | Iran          | 71    |
| Australia      | 18,249  | Australia     | 68    |
| Austria        | 16,161  | Russia        | 53    |
| Taiwan*        | 15,782  | Italy         | 42    |
| <b>735,168</b> |         | <b>1,848</b>  |       |
| World          | 865,656 | World         | 2,251 |
| Top ten        | 85%     | Top ten       | 82%   |

#### New confirmed cases by continent

Line: 7-day moving aver  
 Dots and labels: most recent day



Source: [Johns Hopkins](#), TrendMacro calculations

#### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

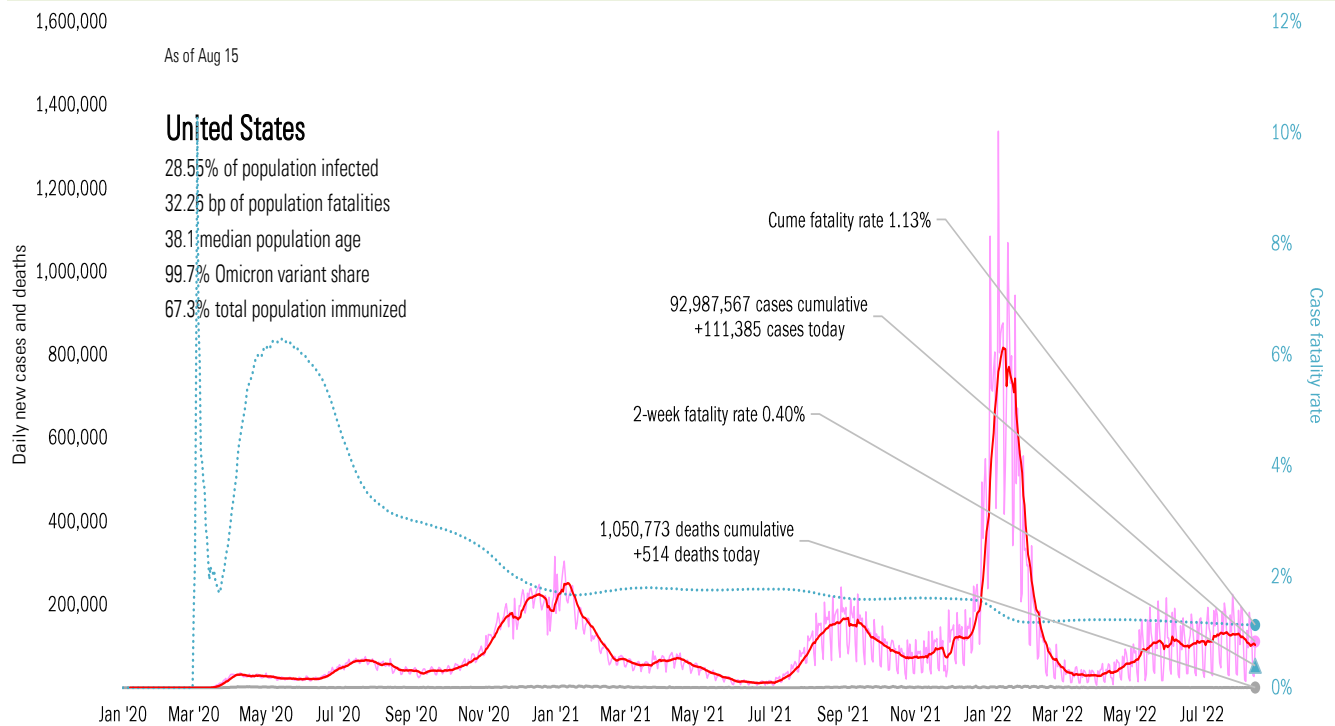
## The ten worst US states

| New cases  |         |  | New deaths |     |  | New in hospital |       |  | Cumulative cases |            |  | Cumulative deaths |           |  | Cumulative in hospital |           |  | Hospital use |     | ICU use |     |
|------------|---------|--|------------|-----|--|-----------------|-------|--|------------------|------------|--|-------------------|-----------|--|------------------------|-----------|--|--------------|-----|---------|-----|
| FL         | 14,860  |  | FL         | 71  |  | GA              | 245   |  | CA               | 10,911,292 |  | CA                | 94,147    |  | TX                     | 530,135   |  | RI           | 90% | AK      | 86% |
| CA         | 9,982   |  | TX         | 61  |  | TX              | 530   |  | TX               | 7,721,541  |  | TX                | 89,828    |  | CA                     | 480,221   |  | MA           | 85% | AL      | 83% |
| MO         | 8,602   |  | AL         | 52  |  | IL              | 222   |  | FL               | 6,939,100  |  | FL                | 78,671    |  | FL                     | 475,202   |  | WA           | 85% | WA      | 83% |
| TX         | 7,418   |  | CA         | 28  |  | KY              | 138   |  | NY               | 5,913,100  |  | NY                | 70,718    |  | NY                     | 286,170   |  | GA           | 84% | TX      | 82% |
| NY         | 6,151   |  | NY         | 25  |  | PA              | 199   |  | IL               | 3,629,276  |  | PA                | 46,374    |  | GA                     | 219,268   |  | MN           | 83% | MA      | 82% |
| NC         | 4,461   |  | OR         | 25  |  | FL              | 597   |  | PA               | 3,127,189  |  | GA                | 39,319    |  | CH                     | 209,264   |  | MO           | 83% | NC      | 81% |
| WA         | 4,043   |  | GA         | 21  |  | VI              | 91    |  | NC               | 3,047,625  |  | CH                | 39,220    |  | PA                     | 195,404   |  | DE           | 82% | OR      | 79% |
| CH         | 3,717   |  | NE         | 20  |  | CH              | 218   |  | CH               | 3,002,043  |  | IL                | 39,119    |  | IL                     | 178,600   |  | WV           | 82% | GA      | 79% |
| IN         | 3,617   |  | WA         | 19  |  | MN              | 88    |  | GA               | 2,803,517  |  | MI                | 37,671    |  | MI                     | 155,760   |  | AK           | 81% | DC      | 77% |
| GA         | 3,562   |  | VA         | 18  |  | CO              | 69    |  | MI               | 2,708,622  |  | NJ                | 34,404    |  | KY                     | 140,743   |  | DC           | 81% | MN      | 77% |
| 66,413     |         |  | 340        |     |  | 2,397           |       |  | 49,803,305       |            |  | 569,471           |           |  | 2,870,767              |           |  |              |     |         |     |
| All states | 111,385 |  |            | 514 |  |                 | 5,469 |  | All states       | 92,987,567 |  |                   | 1,050,773 |  |                        | 5,208,714 |  | All states   | 70% |         | 67% |
| Top ten    | 60%     |  |            | 66% |  |                 | 44%   |  | Top ten          | 54%        |  |                   | 55%       |  |                        | 55%       |  | Median       | 75% |         | 70% |

Some states not reporting

## Five most improved US states

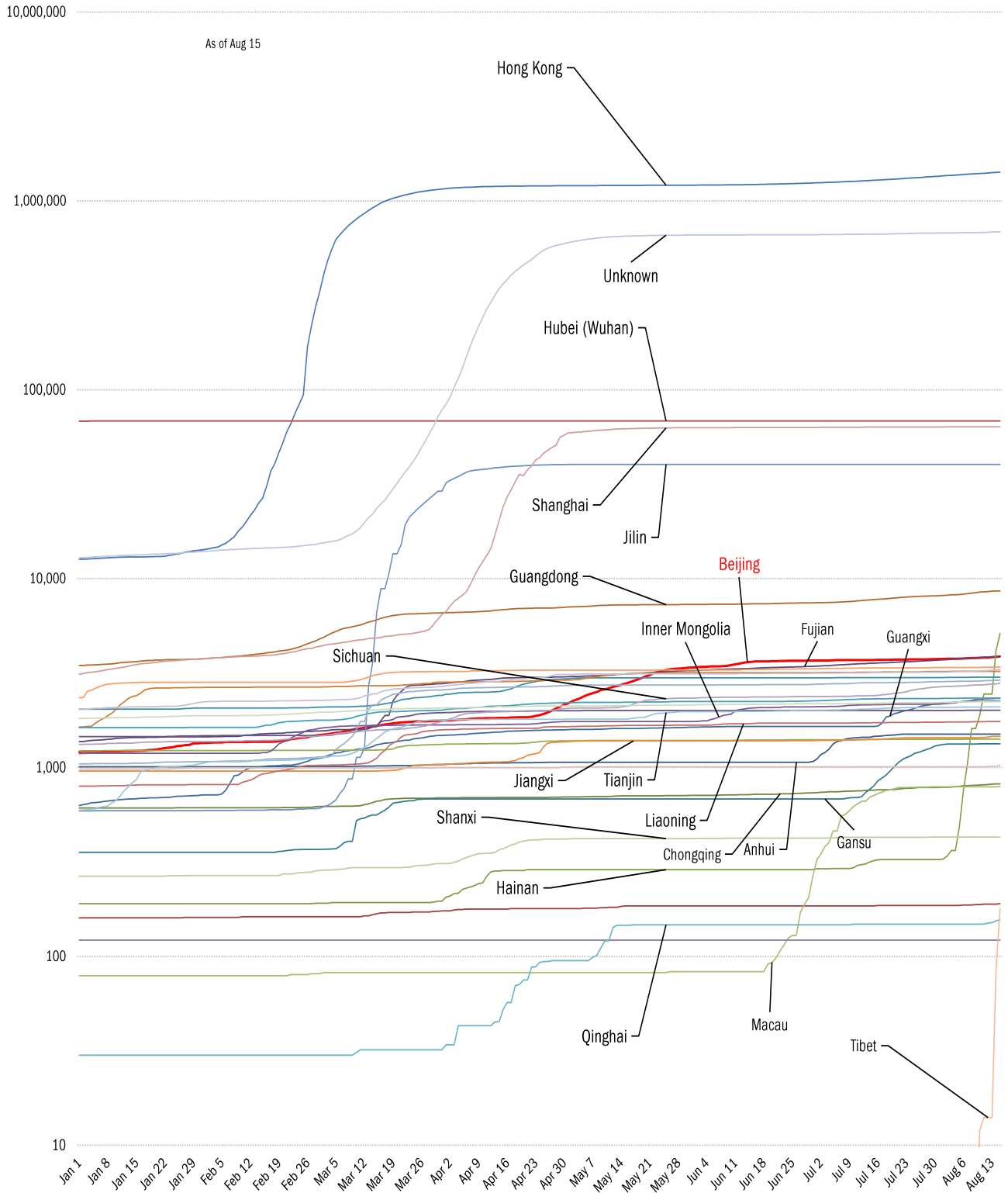
| Fewer daily cases |         | Fewer new deaths |     | Fewer new hospitalizations |     |
|-------------------|---------|------------------|-----|----------------------------|-----|
| PA                | -17,856 | CA               | -41 | NJ                         | -85 |
| CA                | -7,860  | IN               | -31 | MD                         | -58 |
| FL                | -2,957  | WA               | -30 | MI                         | -46 |
| IN                | -1,548  | IL               | -18 | NM                         | -44 |
| NJ                | -796    | NY               | -10 | NY                         | -29 |



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*

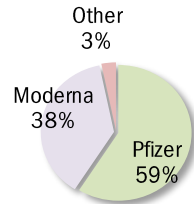


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered      | Cumulative  |       | Today          |       | Immunity         | Full      | Partial |       |
|-------------------|-------------|-------|----------------|-------|------------------|-----------|---------|-------|
| Doses             | 621,444,280 |       | +0.283 million |       | US               | 67.3%     | 78.9%   |       |
| of which boosters | 109,972,682 |       | +0.058 million |       | UK               | 75.1%     | 79.9%   |       |
|                   | One dose    | % Pop | Immune         | % pop | New immune today | France    | 78.6%   | 80.9% |
| Total population  | 270,117,600 | 81%   | 229,954,609    | 69%   | +0.075 million   | Spain     | 85.5%   | 86.9% |
| Age 12 to 17      | 18,064,522  | 71%   | 15,437,321     | 61%   | +0.004 million   | Germany   | 76.0%   | 77.6% |
| Age 18 to 64      | 180,518,346 | 89%   | 153,379,710    | 75%   | +0.053 million   | Italy     | 81.0%   | 85.8% |
| Age 65 and over   | 59,627,302  | 100%  | 52,161,862     | 95%   | +0.006 million   | Australia | 83.9%   | 86.5% |
|                   |             |       |                |       |                  | Israel    | 66.2%   | 72.3% |
|                   |             |       |                |       |                  | Canada    | 82.6%   | 86.0% |
|                   |             |       |                |       |                  | Japan     | 82.3%   | 83.5% |
|                   |             |       |                |       |                  | Africa    | 21.4%   | 27.5% |
|                   |             |       |                |       |                  | India     | 66.6%   | 72.7% |
|                   |             |       |                |       |                  | Brazil    | 79.8%   | 86.8% |
|                   |             |       |                |       |                  | China     | 89.0%   | 91.3% |



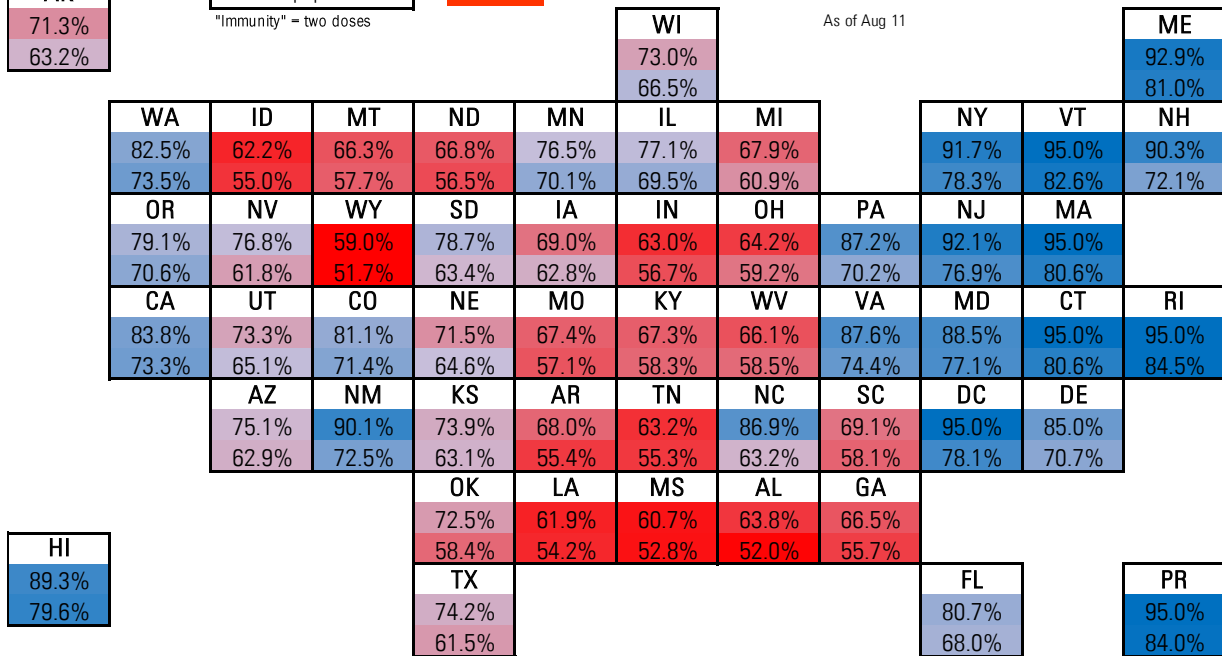
|    |       |
|----|-------|
| AK | 71.3% |
|    | 63.2% |

| State                                     |
|---|
| At least partial immunity as % population |
| Full immunity as % population             |

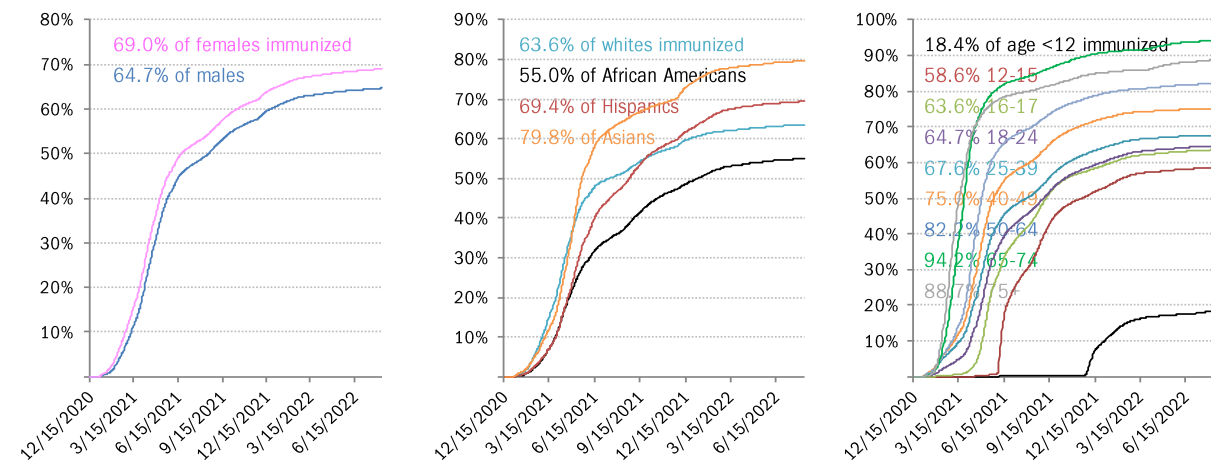
"Immunity" = two doses

|        |
|--------|
| Best   |
| Middle |
| Worst  |

Global data differs due to sources, timing



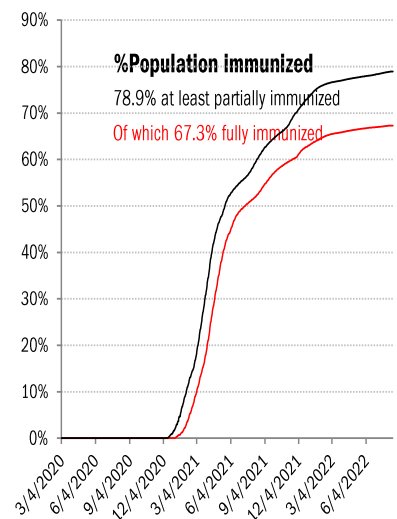
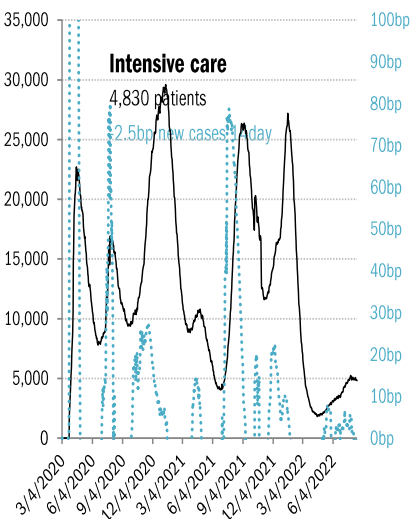
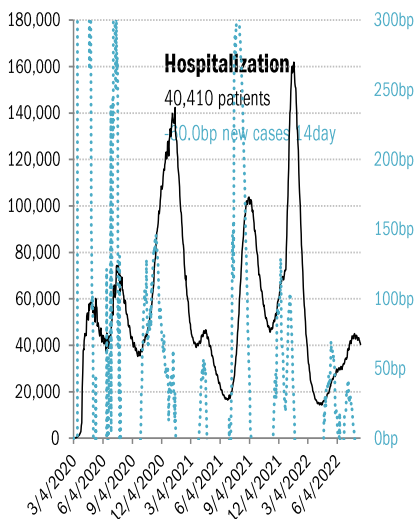
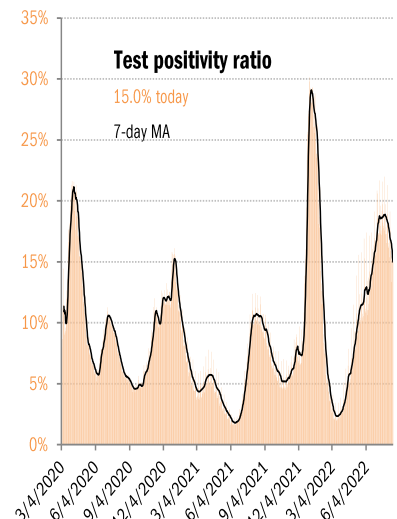
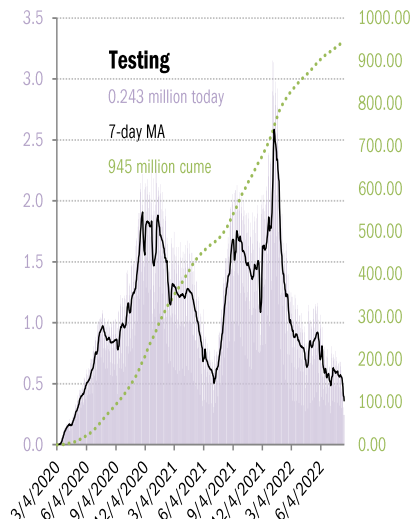
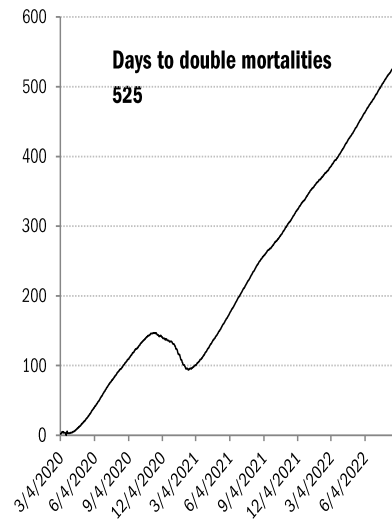
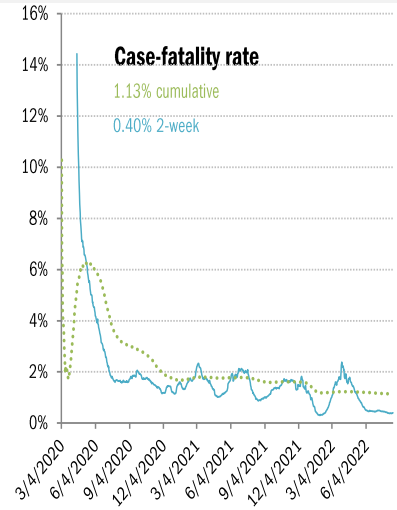
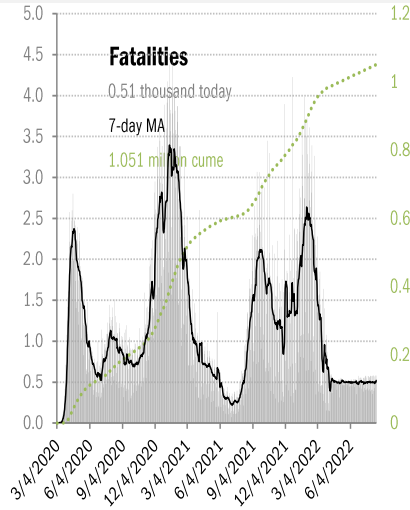
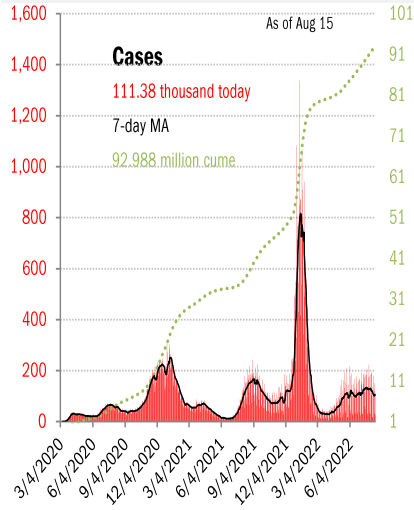
## The demographics of US vaccination



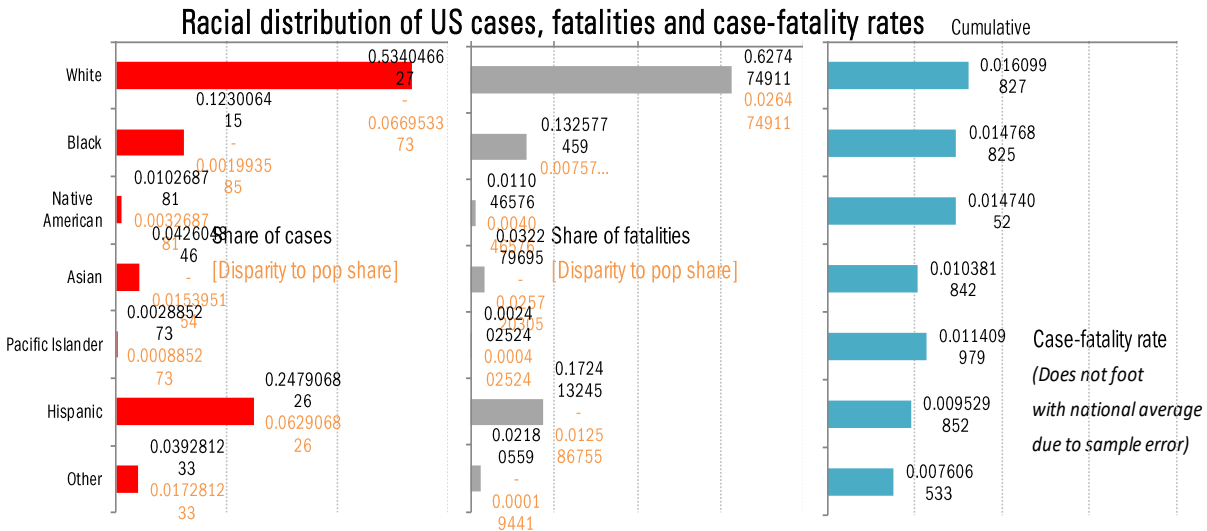
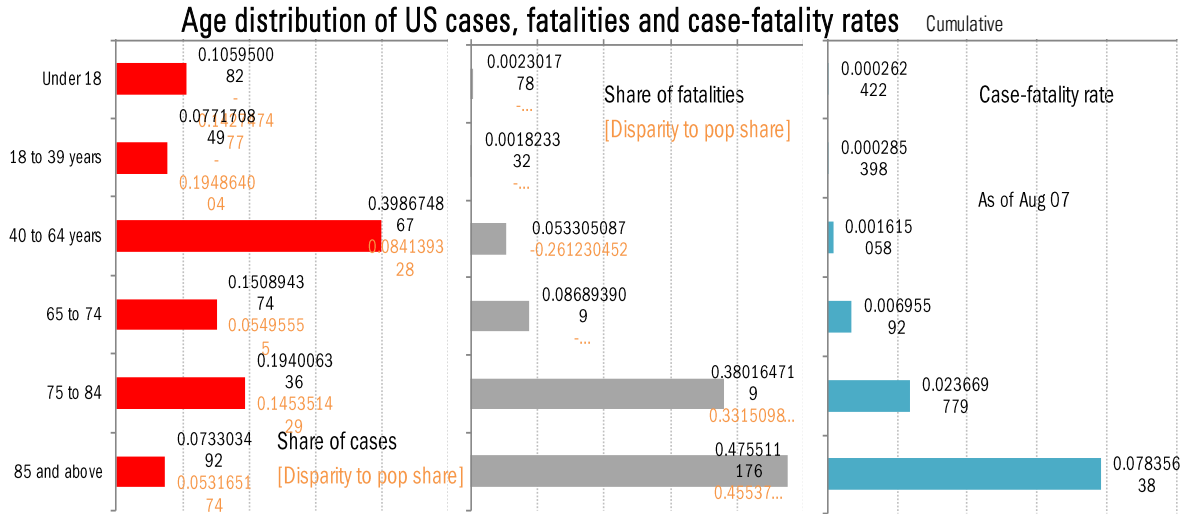
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

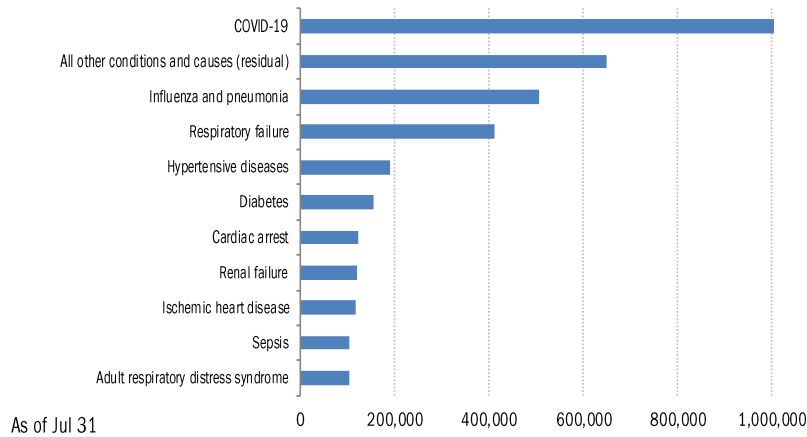


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

## Recommended reading

### [Long Covid is a Social Construct](#)

Eugyppius  
*A Plague Chronicle*  
August 15, 2022

### ['Left to rot': The lonely plight of long Covid sufferers](#)

Daniel Payne  
*Politico*  
August 14, 2022

### [A complicated fall vaccine campaign: Updated Covid boosters, flu shots, and how to time the jabs](#)

Andrew Joseph  
*Stat News*  
August 16, 2022

### [Court Documents Reveal Canada's Travel Ban Had No Scientific Basis](#)

Rupa Subramanya  
*Common Sense*  
August 3, 2022

## Meme of the day

My family: Why do you  
post so many memes?

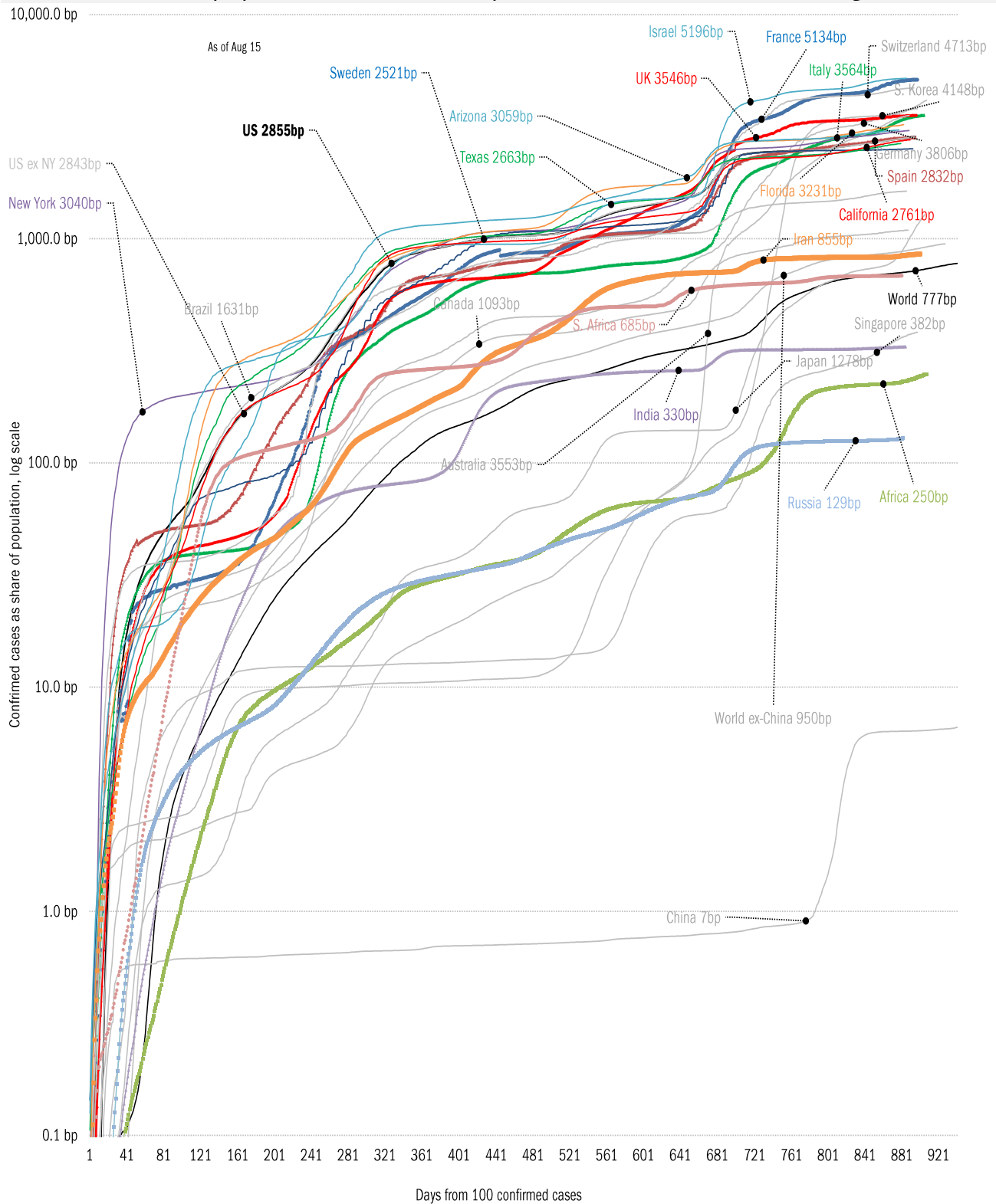
Me:



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

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

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

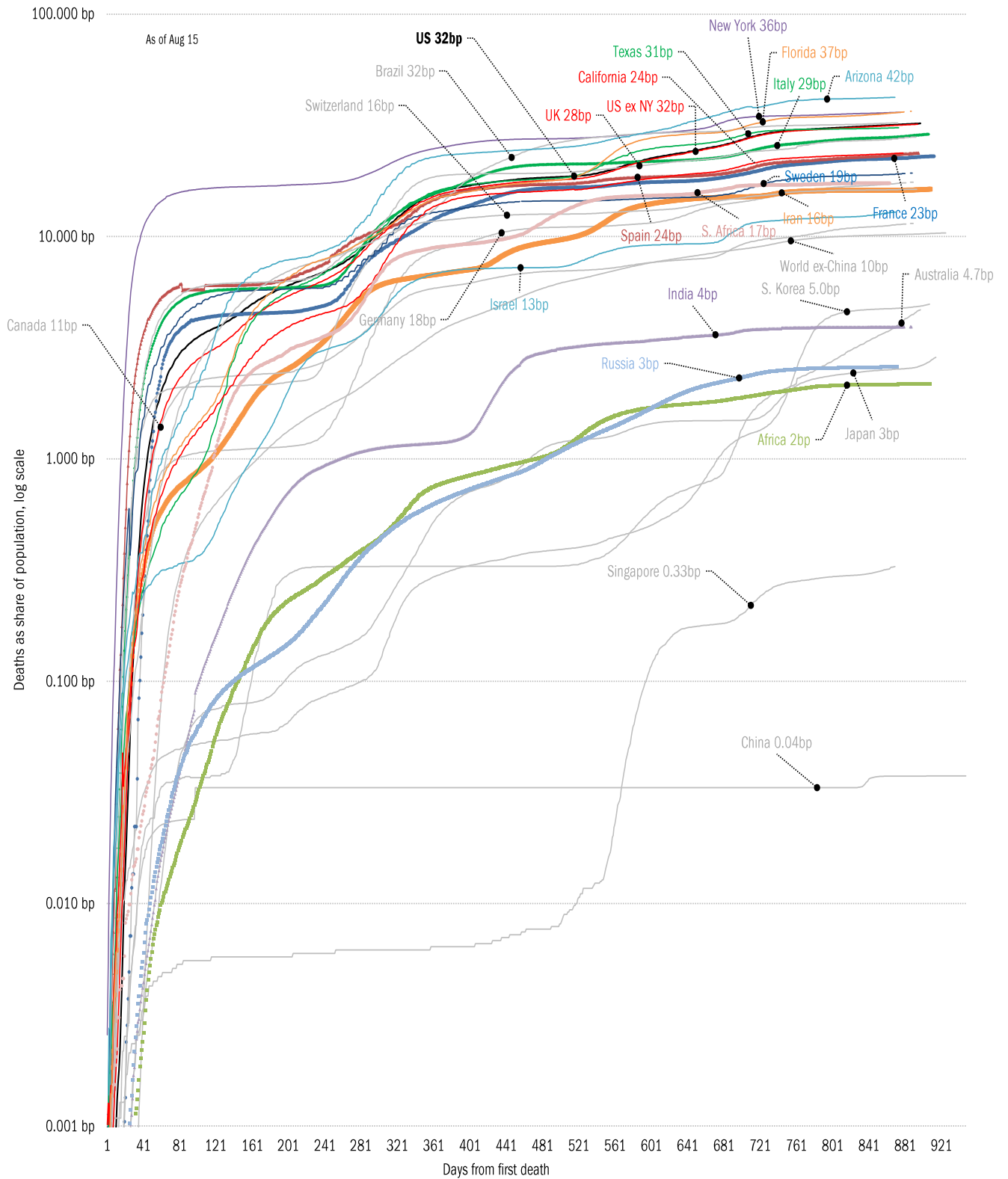


Source: [Johns Hopkins](#), TrendMacro calculations



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

*Share of deceased population from day of first fatality, log scale*

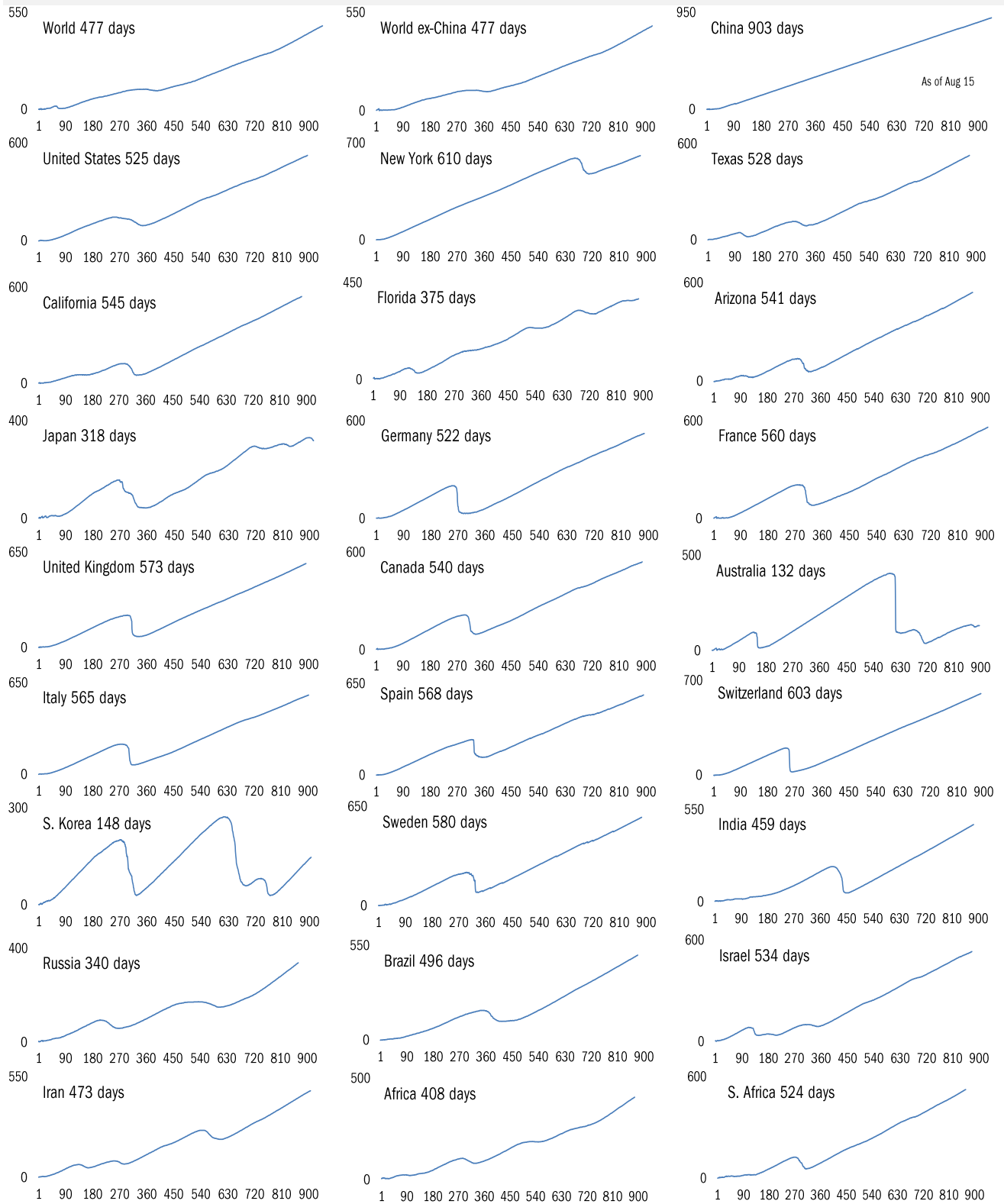


Source: [Johns Hopkins](#), TrendMacro calculations

# Our most reliable evidence of the rate of spread 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

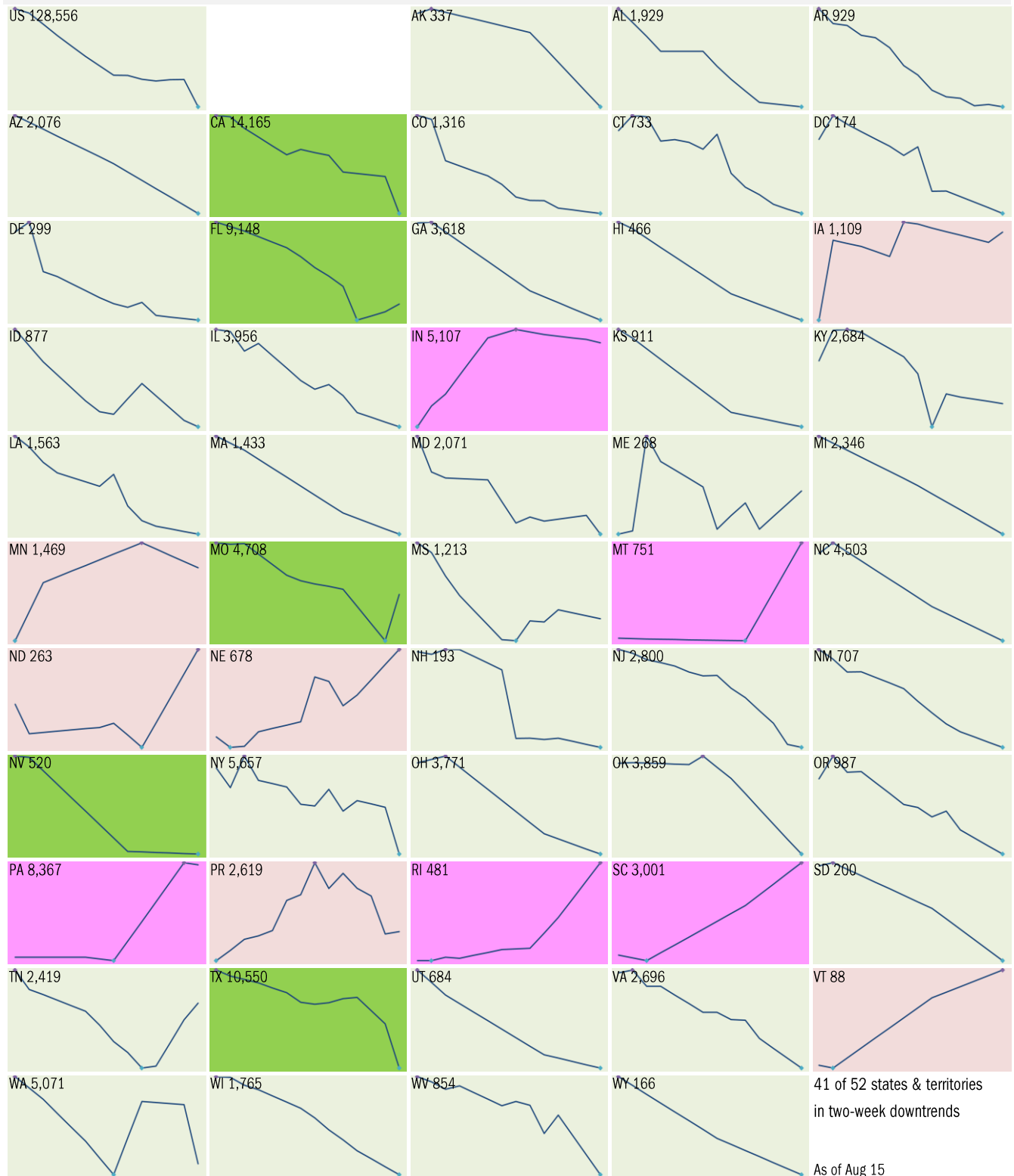


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day 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

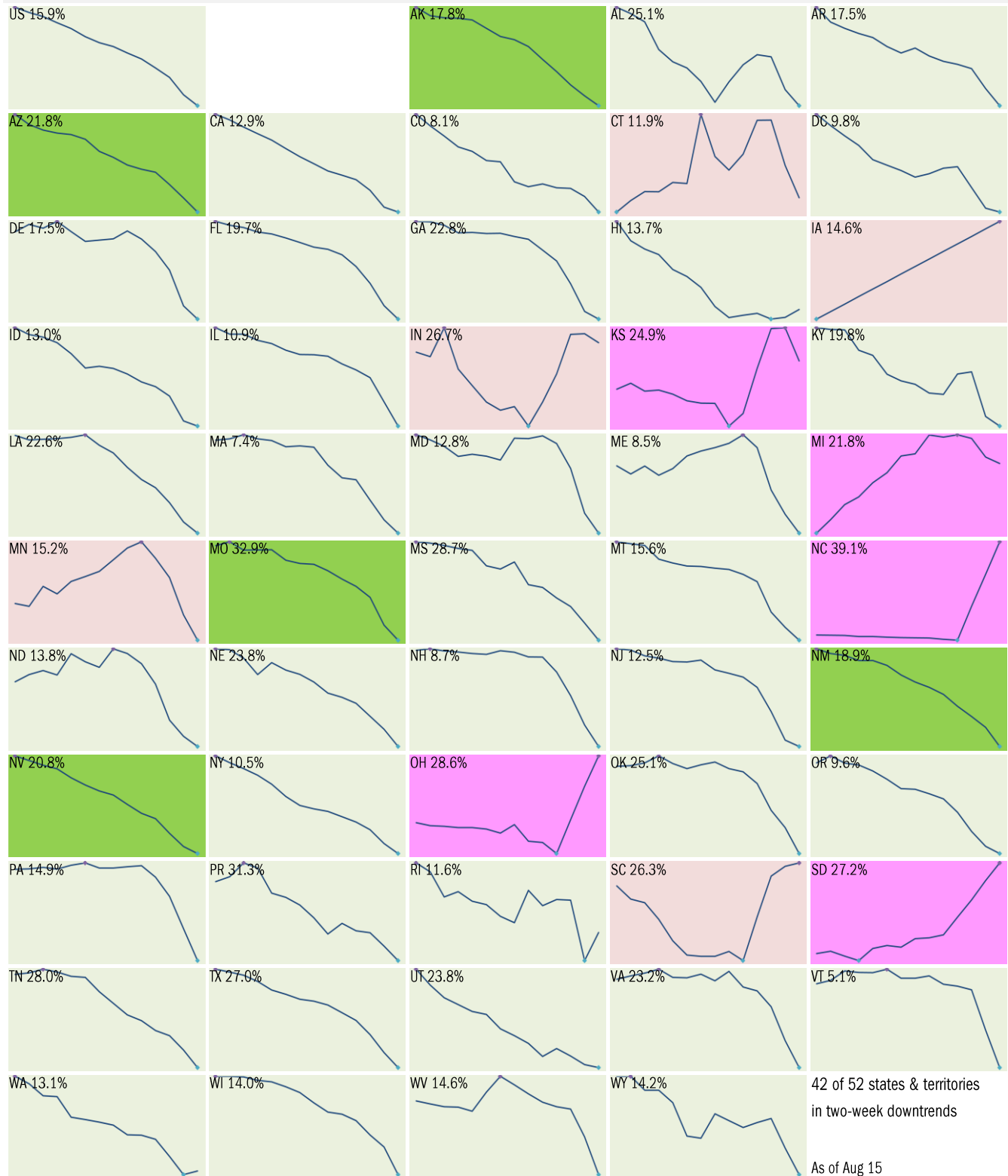


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

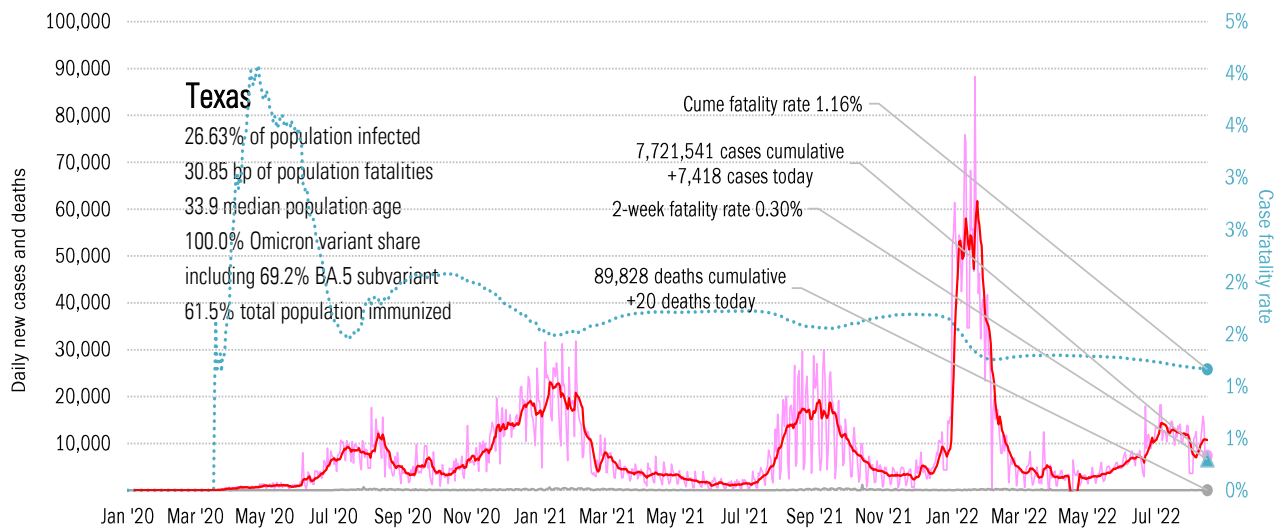
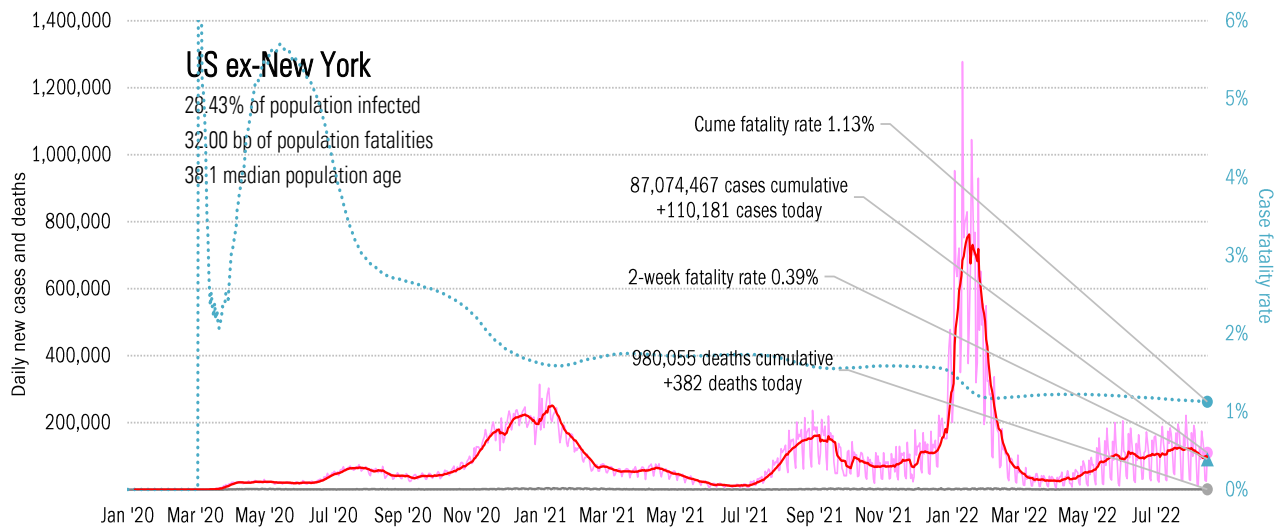
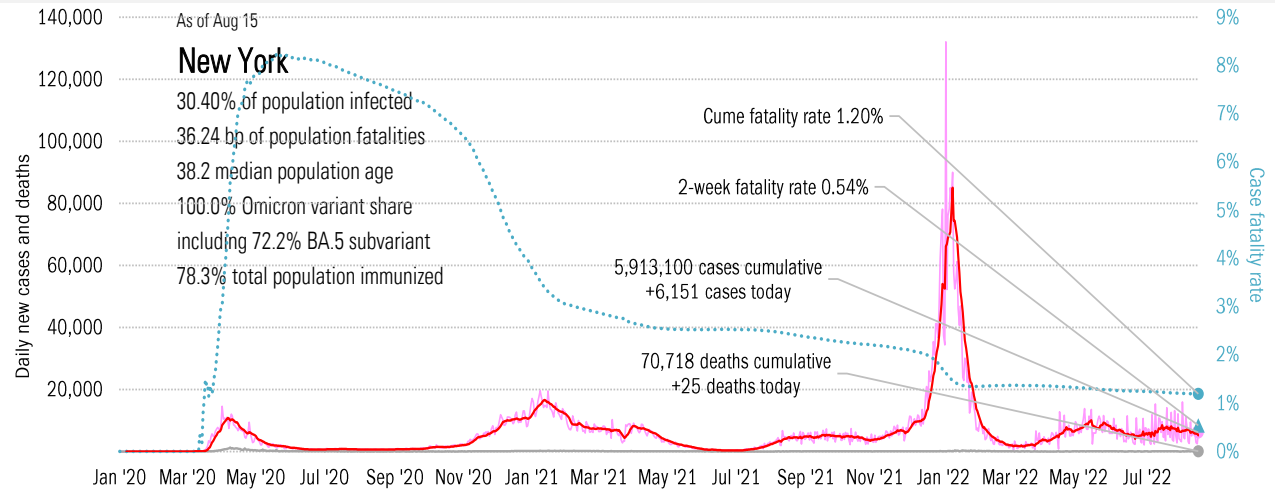
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande

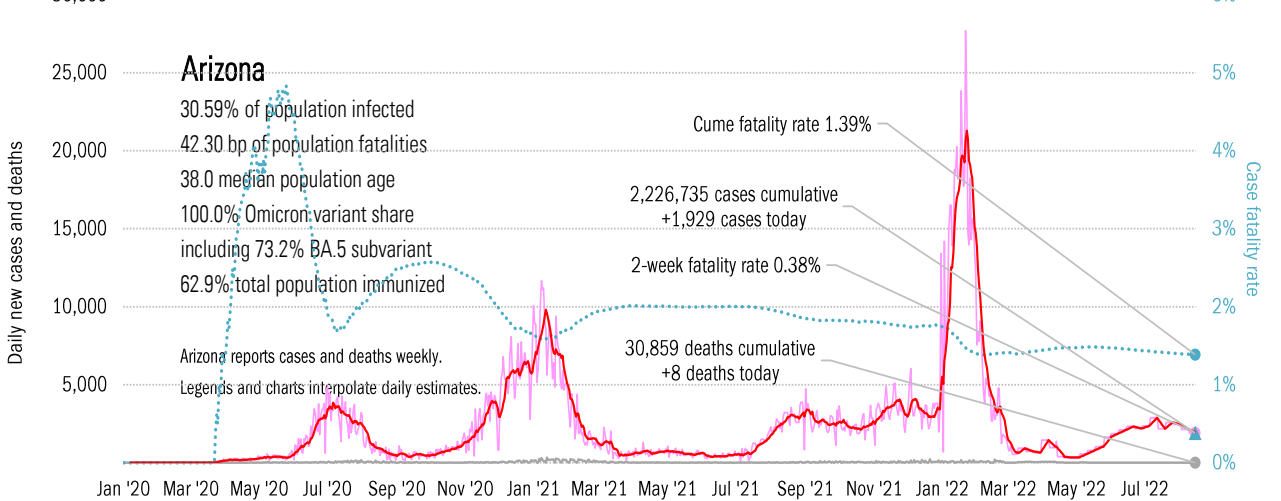
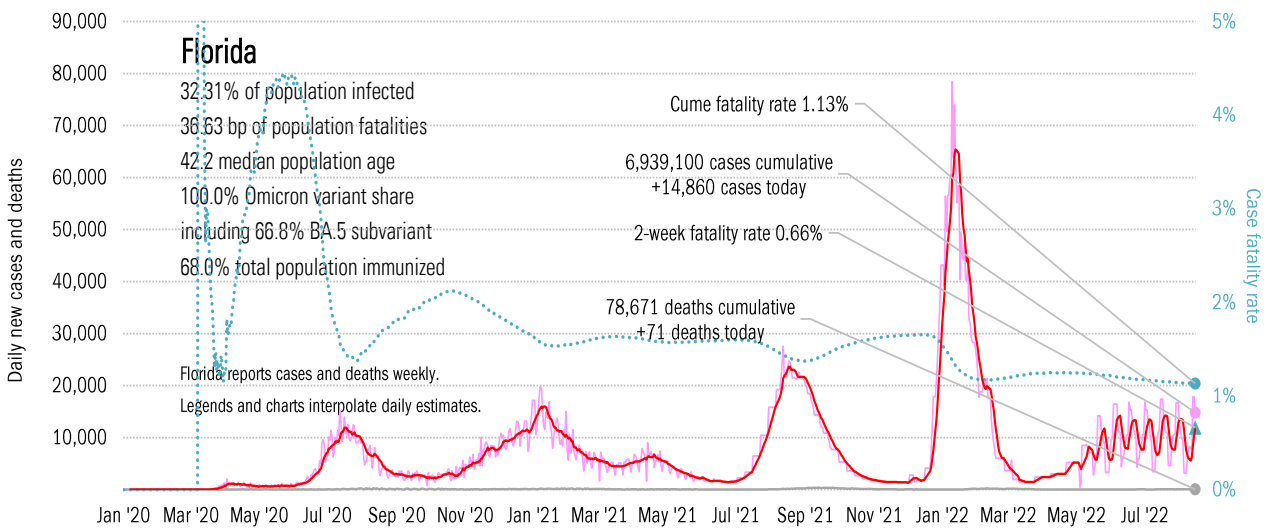
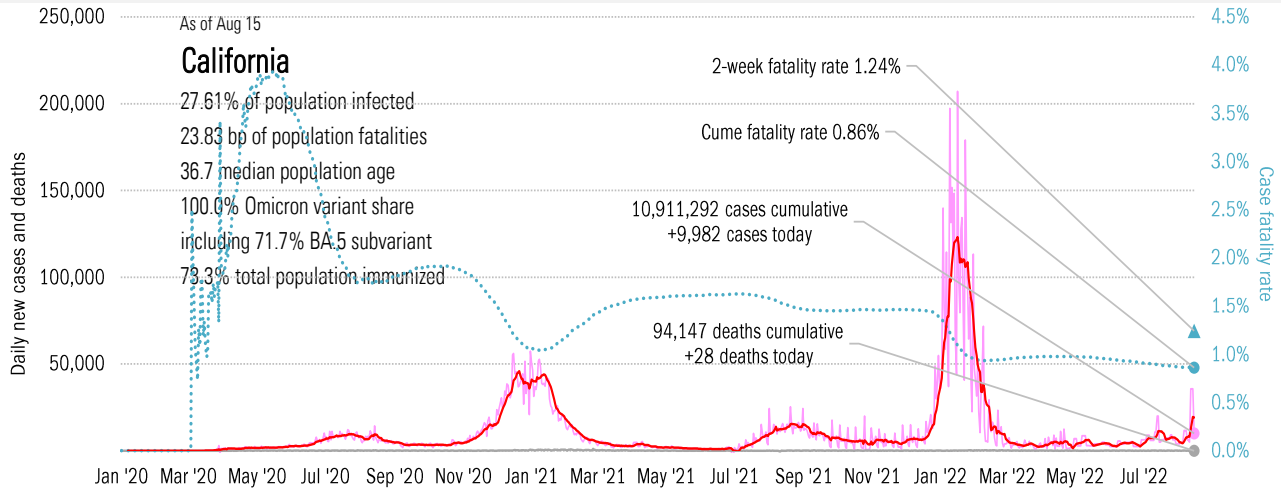
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# The sun-belt hot-spot states

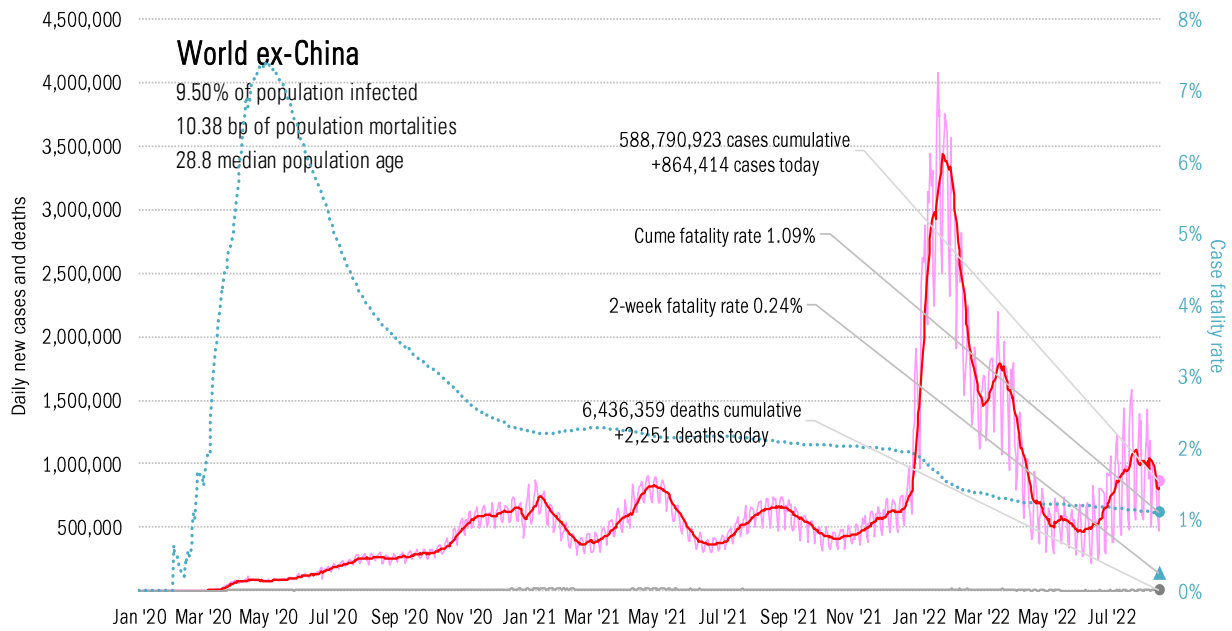
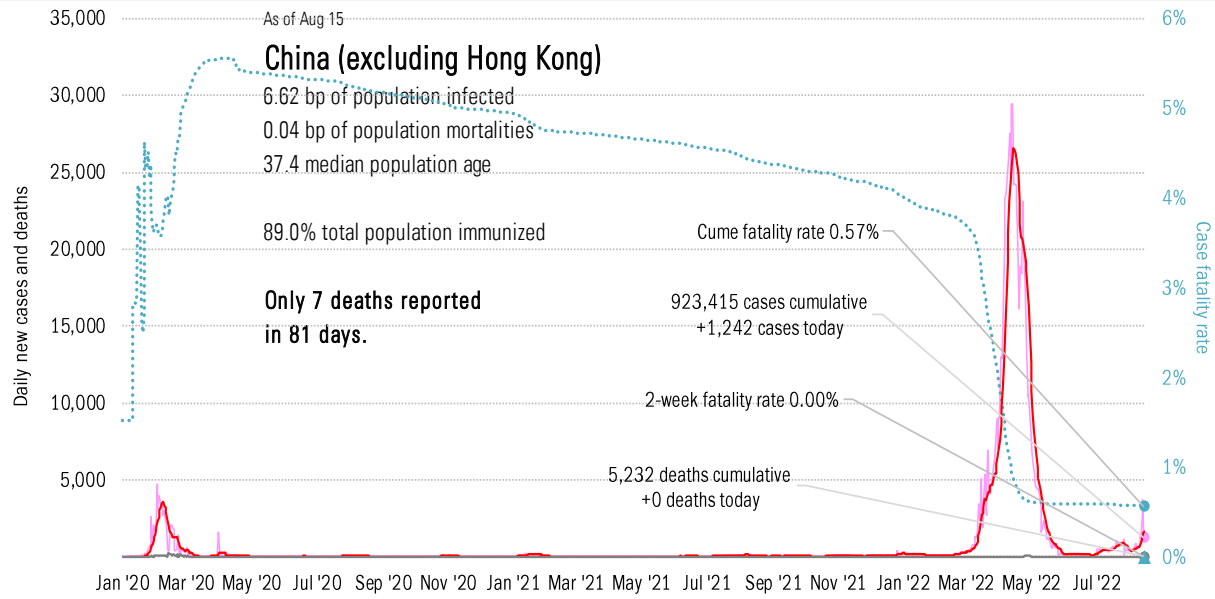
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else

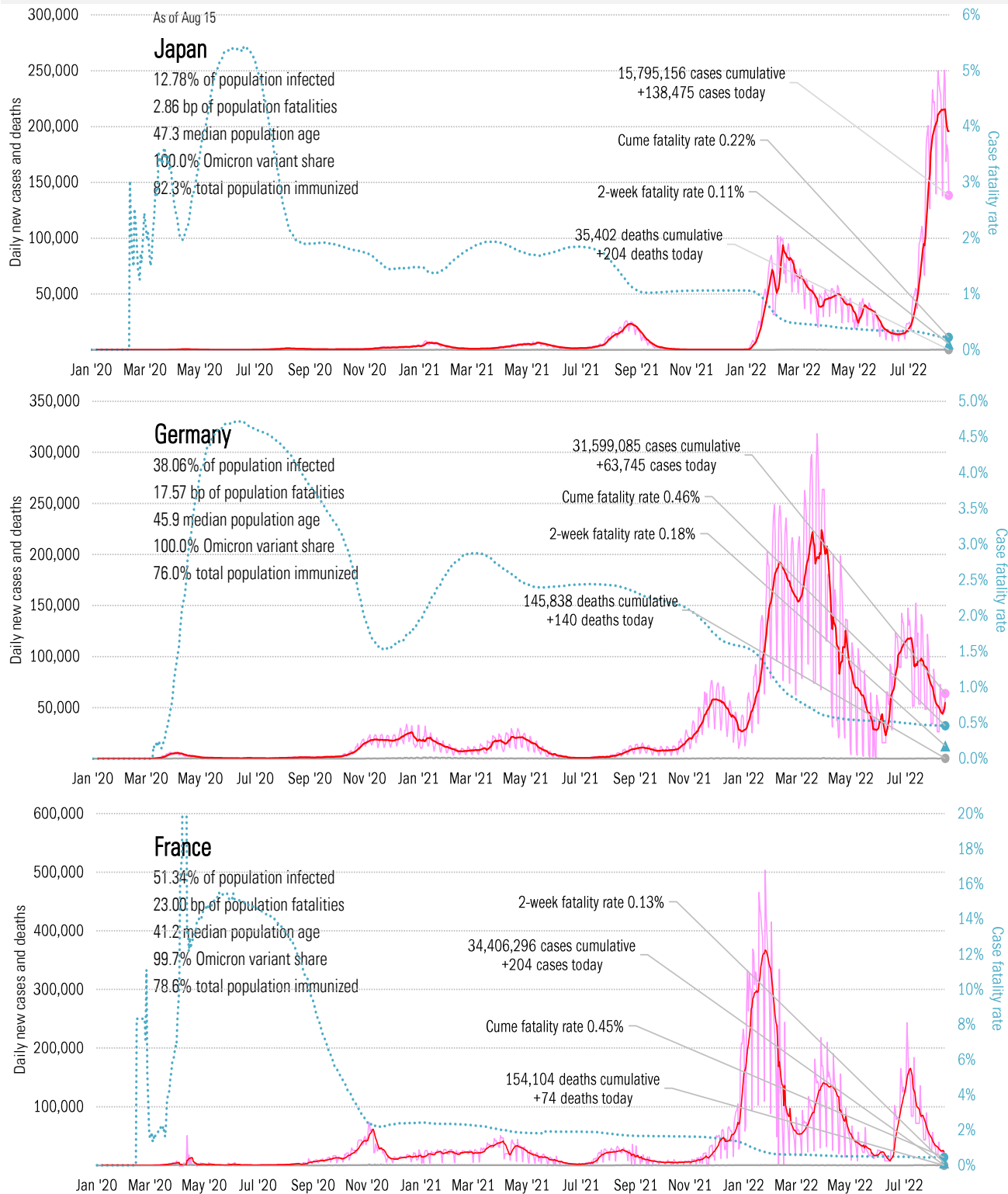
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

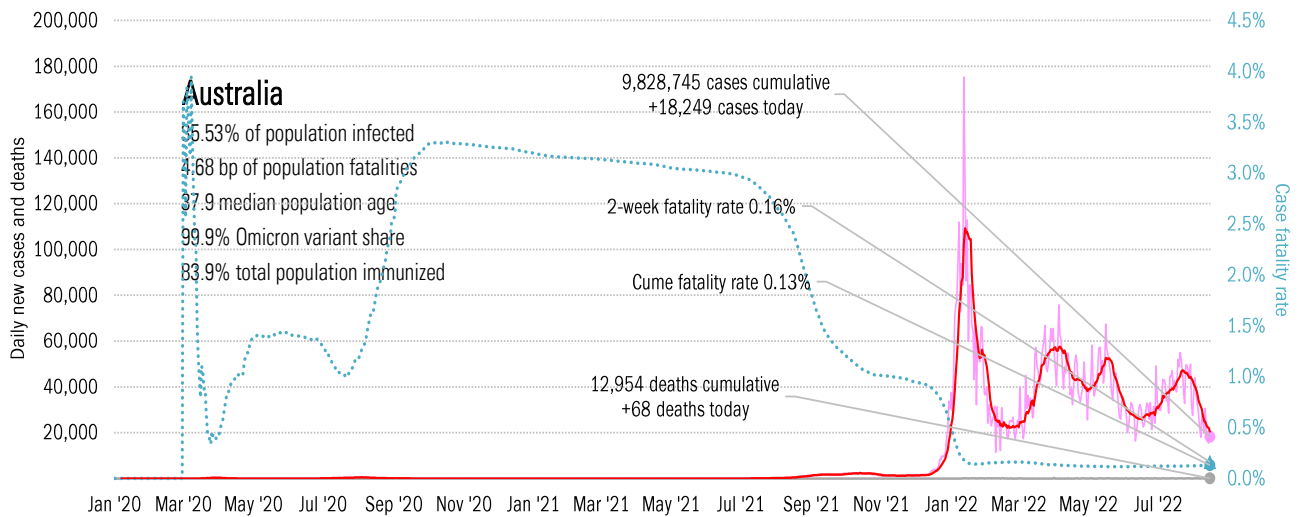
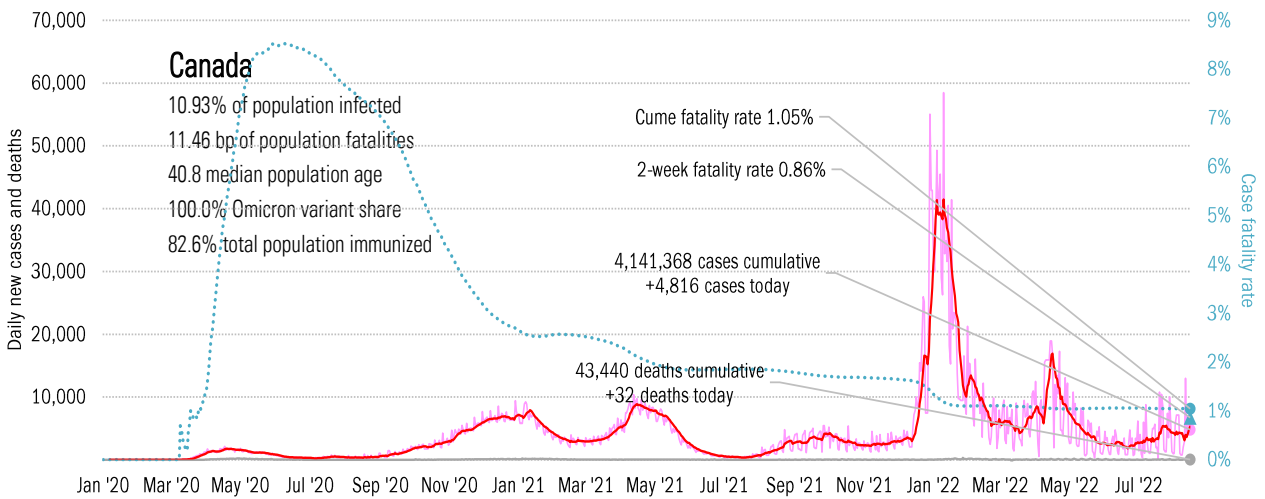
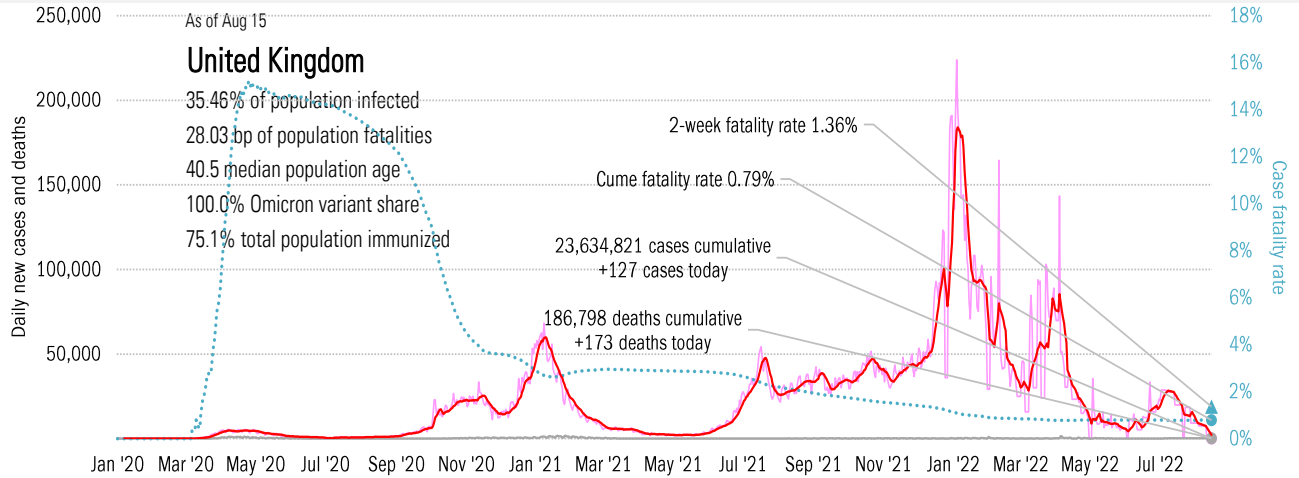


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

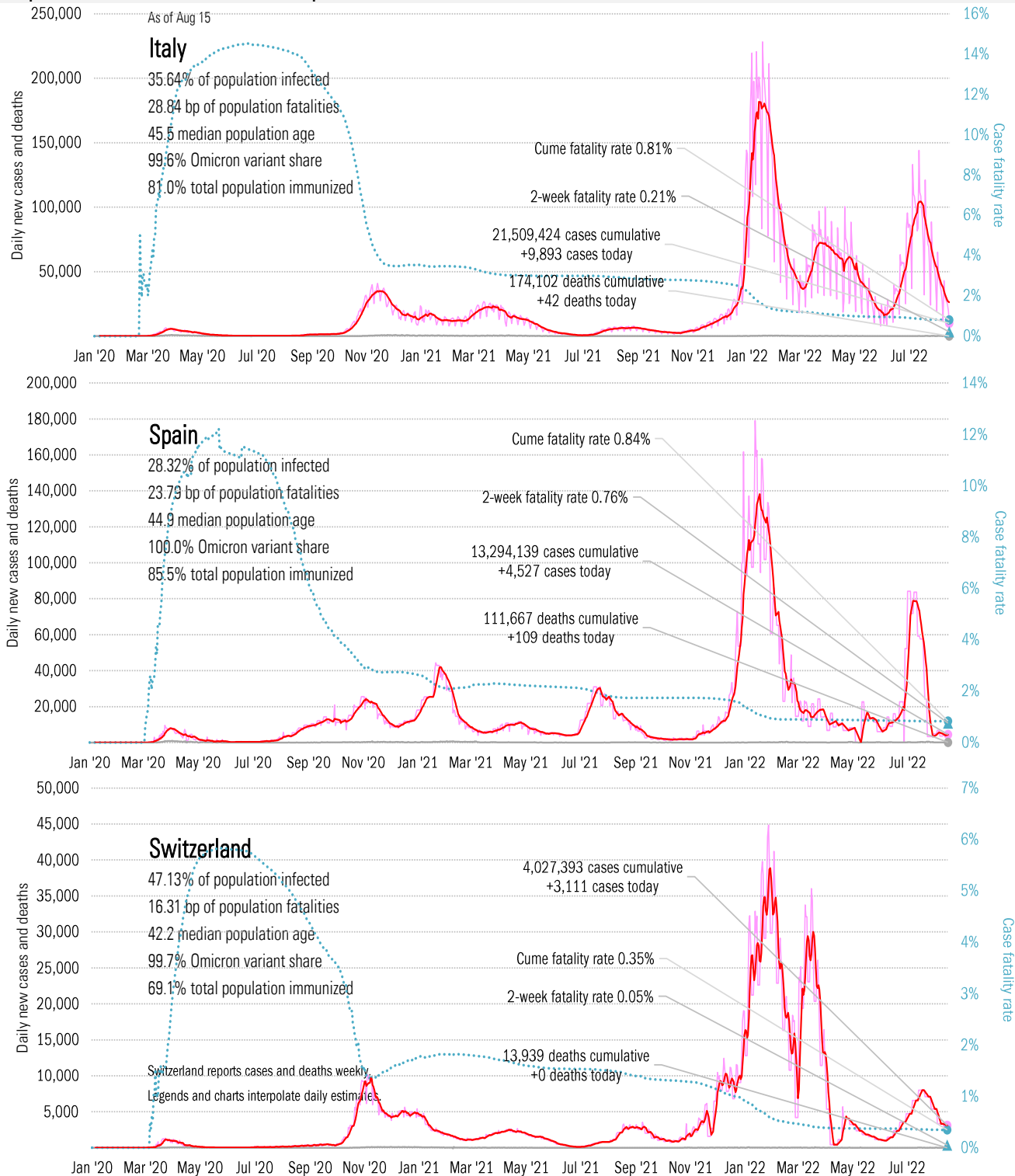
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe

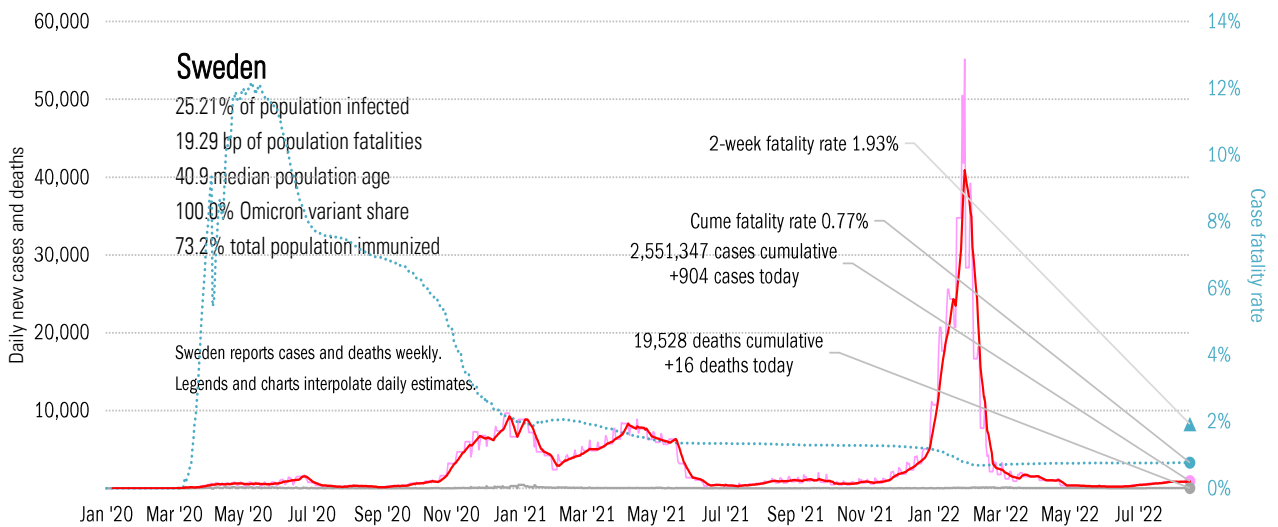
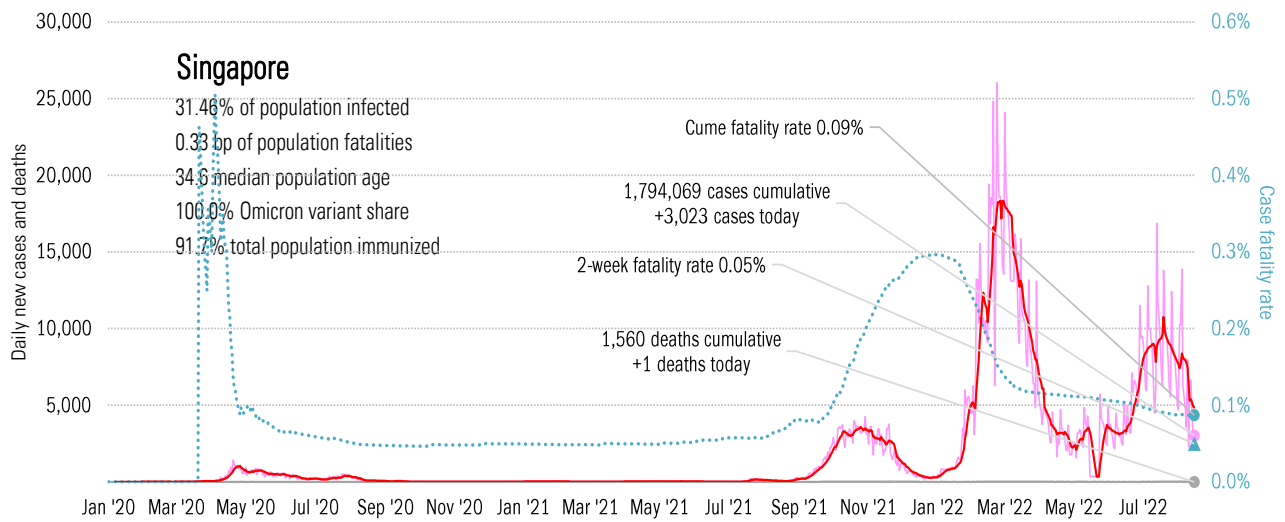
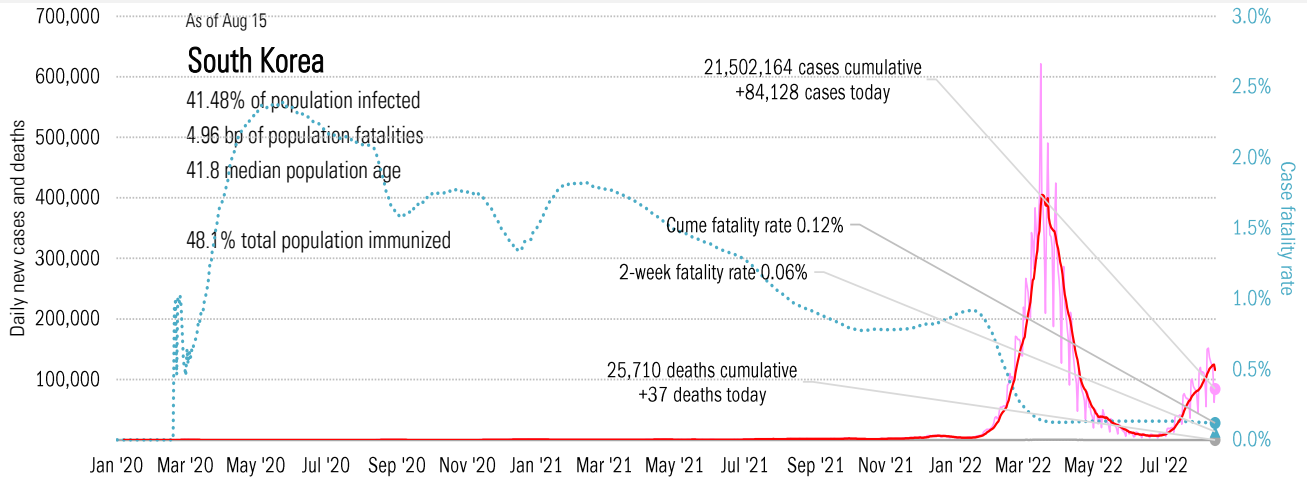
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots

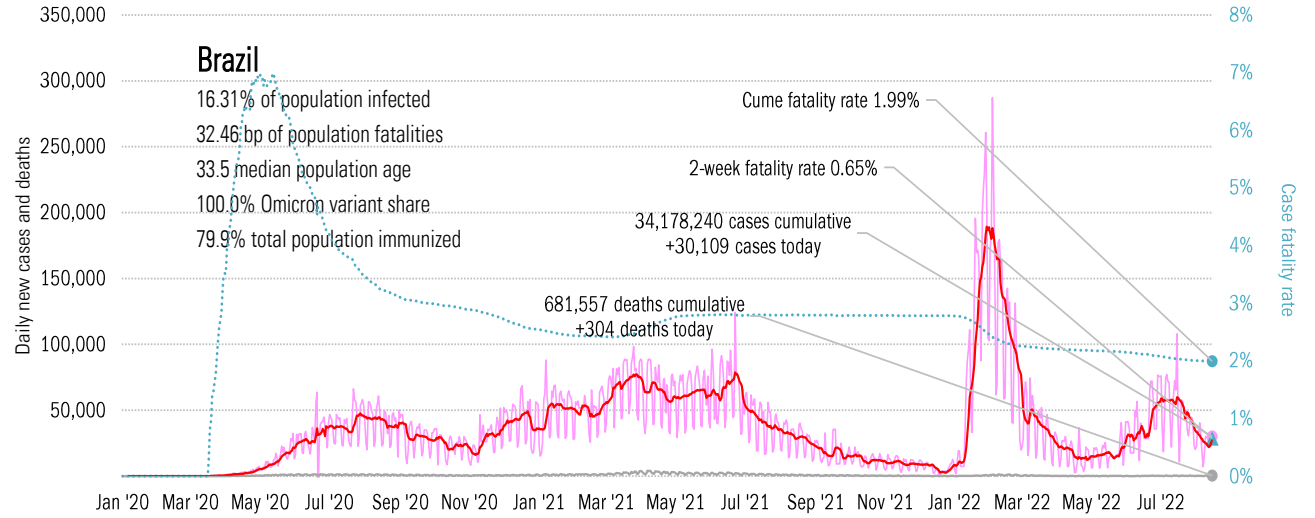
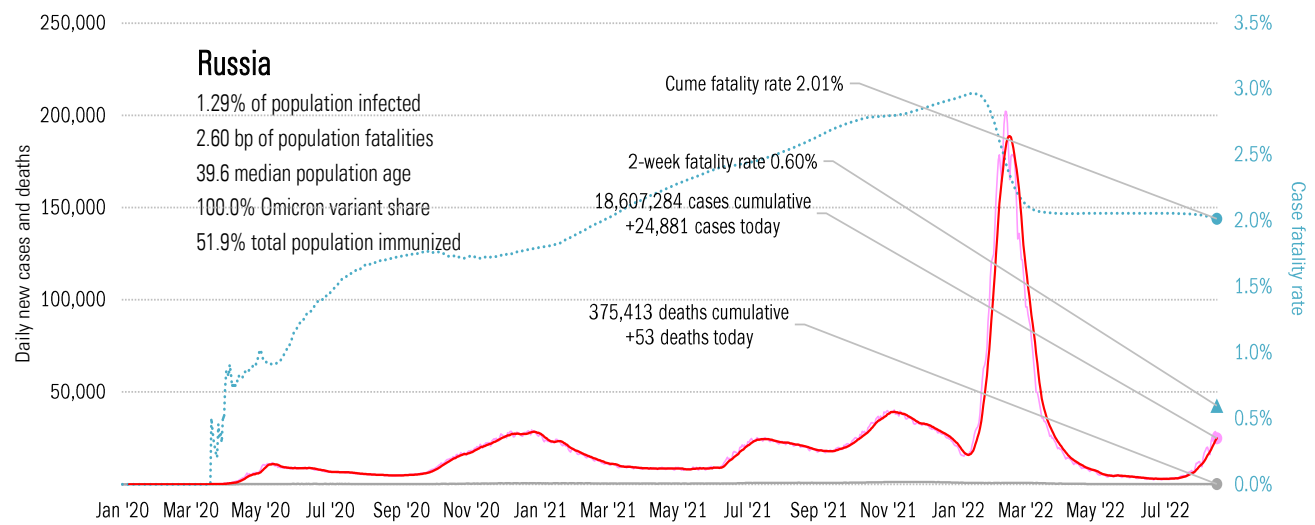
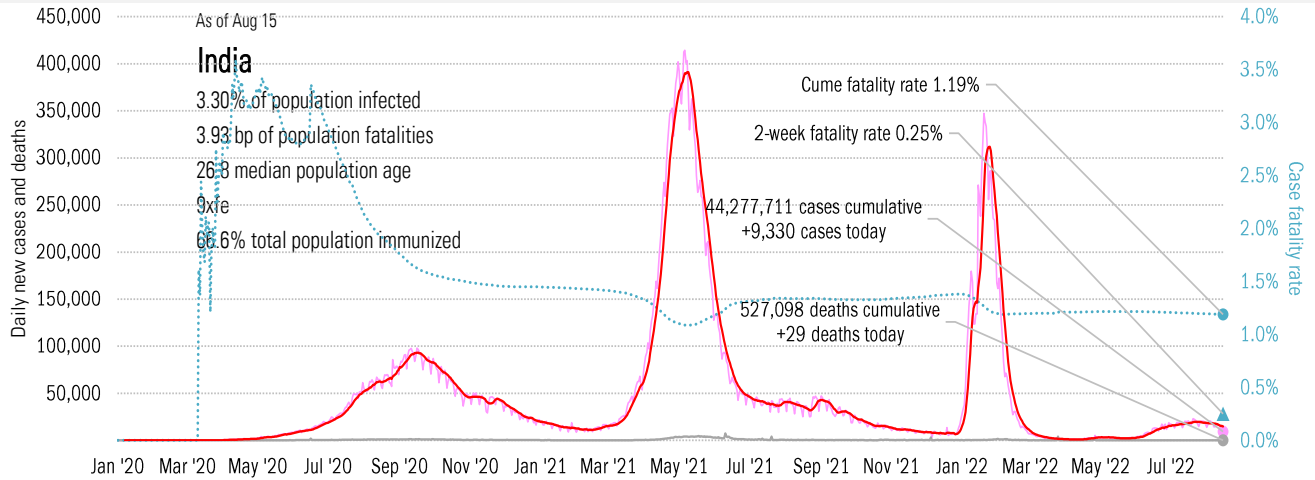
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China

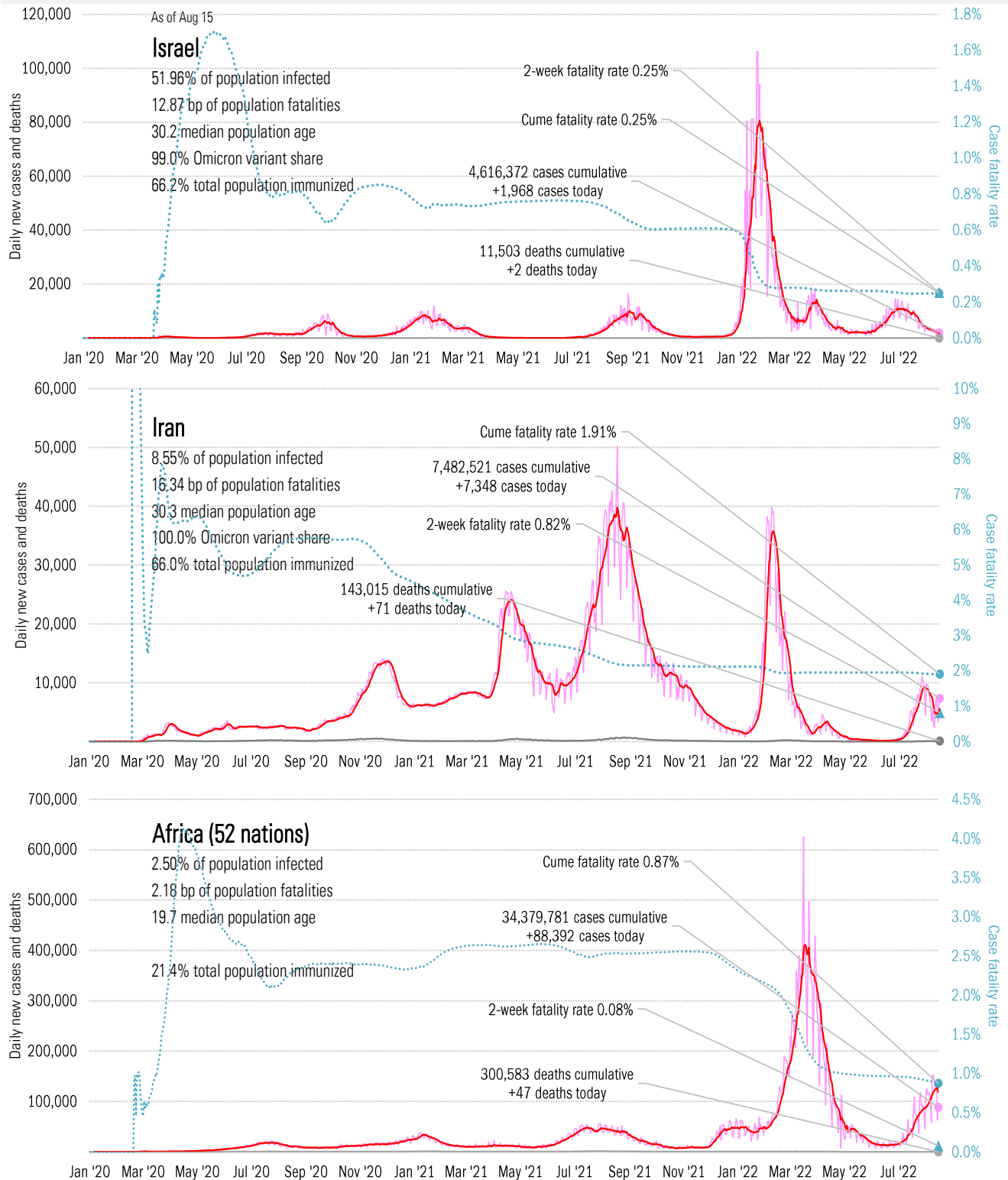
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa

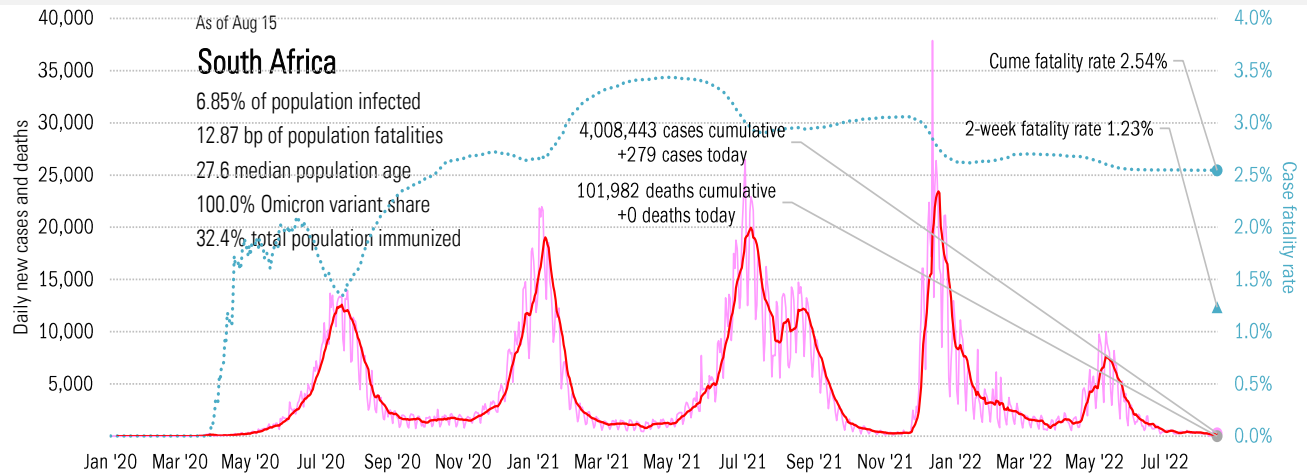
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations