

## Data Insights: Covid-2019 Monitor

Thursday, March 9, 2023

### The global scorecard

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

#### The worst ten countries (see China note page 14)

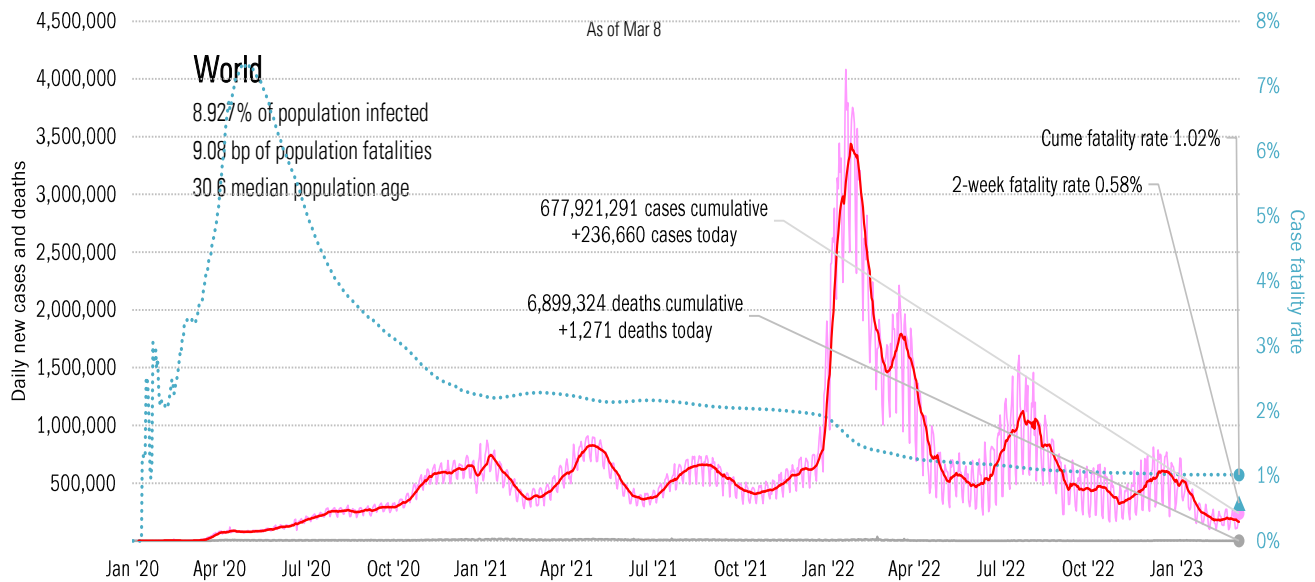
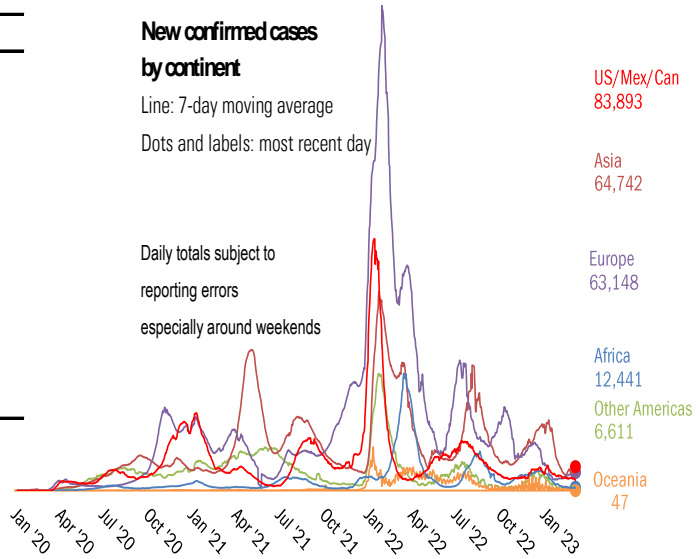
| New cases      |         | New Deaths    |       |
|----------------|---------|---------------|-------|
| China          | 43,429  | United States | 376   |
| United States  | 42,325  | Germany       | 99    |
| Brazil         | 17,745  | Spain         | 99    |
| Russia         | 12,253  | Portugal      | 86    |
| Japan          | 11,805  | Brazil        | 79    |
| Korea, South   | 10,890  | Japan         | 69    |
| Ukraine        | 9,859   | Ukraine       | 64    |
| Germany        | 9,621   | Russia        | 44    |
| Austria        | 6,442   | Mexico        | 34    |
| France         | 6,111   | Italy         | 33    |
| <b>170,480</b> |         | <b>982</b>    |       |
| World          | 236,660 | World         | 1,271 |
| Top ten        | 72%     | Top ten       | 77%   |

#### New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day

Daily totals subject to reporting errors especially around weekends



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

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

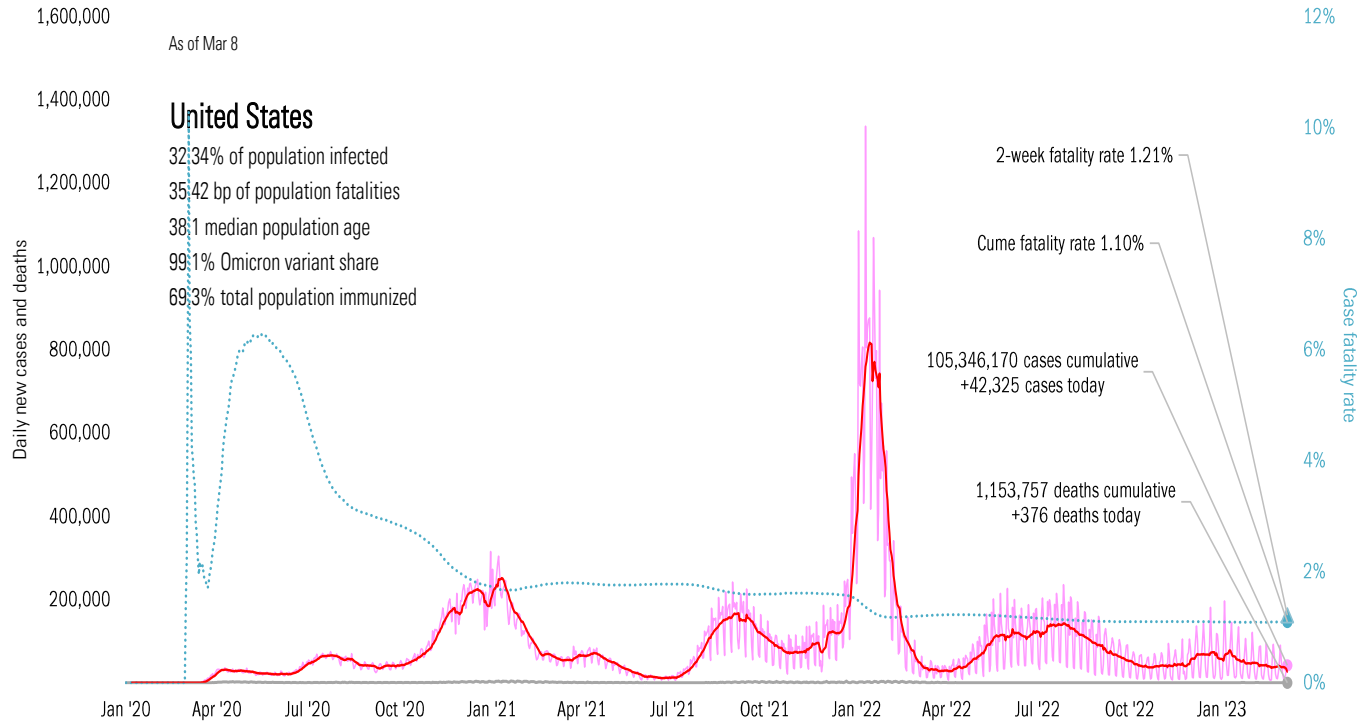
## The ten worst US states

| New cases  |        |  | New deaths |     |  | New in hospital |       |  | Cumulative cases |             |  | Cumulative deaths |           |  | Cumulative in hospital |           |  | Hospital use |     | ICU use |     |
|------------|--------|--|------------|-----|--|-----------------|-------|--|------------------|-------------|--|-------------------|-----------|--|------------------------|-----------|--|--------------|-----|---------|-----|
| TX         | 10,634 |  | FL         | 79  |  | NC              | 123   |  | CA               | 12,110,297  |  | CA                | 100,954   |  | TX                     | 589,615   |  | MA           | 87% | AL      | 88% |
| FL         | 8,241  |  | CA         | 30  |  | FL              | 233   |  | TX               | 8,465,925   |  | TX                | 93,383    |  | CA                     | 569,113   |  | DC           | 86% | TX      | 85% |
| IL         | 1,795  |  | WV         | 22  |  | MA              | 105   |  | FL               | 7,574,590   |  | FL                | 86,850    |  | FL                     | 533,587   |  | DE           | 85% | WV      | 85% |
| WV         | 1,706  |  | NY         | 17  |  | NY              | 204   |  | NY               | 6,793,370   |  | NY                | 77,152    |  | NY                     | 355,154   |  | RI           | 85% | DC      | 84% |
| CA         | 1,383  |  | MA         | 17  |  | CA              | 439   |  | IL               | 4,072,972   |  | PA                | 50,398    |  | CH                     | 244,637   |  | WV           | 85% | NC      | 83% |
| NY         | 1,340  |  | PA         | 17  |  | UT              | 26    |  | PA               | 3,527,854   |  | GA                | 42,489    |  | GA                     | 242,582   |  | MN           | 85% | MA      | 82% |
| CH         | 1,332  |  | MI         | 16  |  | AR              | 26    |  | NC               | 3,472,644   |  | MI                | 42,205    |  | PA                     | 231,031   |  | CT           | 83% | AK      | 81% |
| MI         | 986    |  | IL         | 11  |  | AL              | 49    |  | CH               | 3,392,320   |  | CH                | 41,749    |  | IL                     | 214,185   |  | AK           | 83% | CK      | 81% |
| PA         | 982    |  | SC         | 10  |  | MO              | 63    |  | GA               | 3,068,208   |  | IL                | 41,443    |  | MI                     | 180,937   |  | WA           | 82% | AR      | 81% |
| TN         | 855    |  | CT         | 9   |  | TN              | 66    |  | MI               | 3,064,125   |  | NJ                | 36,010    |  | NJ                     | 163,467   |  | MO           | 82% | RI      | 81% |
| 29,254     |        |  | 227        |     |  | 1,334           |       |  | 55,542,305       |             |  | 612,633           |           |  | 3,324,308              |           |  |              |     |         |     |
| All states | 42,325 |  |            | 376 |  |                 | 2,985 |  | All states       | 105,346,170 |  |                   | 1,153,757 |  |                        | 6,022,328 |  | All states   | 70% |         | 67% |
| Top ten    | 69%    |  |            | 60% |  |                 | 45%   |  | Top ten          | 54%         |  |                   | 55%       |  |                        | 55%       |  | Median       | 76% |         | 74% |

Some states not reporting

## Five most improved US states

| Fewer daily cases |      | Fewer new deaths |     | Fewer new hospitalizations |     |
|-------------------|------|------------------|-----|----------------------------|-----|
| MD                | -548 | NY               | -16 | TX                         | -51 |
| MO                | -362 | MD               | -6  | CA                         | -50 |
| AZ                | -349 | MO               | -5  | IL                         | -49 |
| AR                | -120 | VA               | -2  | IN                         | -42 |
| WI                | -108 | AR               | -2  | CO                         | -34 |

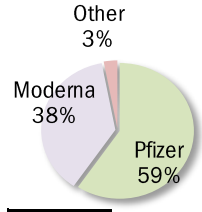


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered     | Cumulative  |       | Today                             |       | Immunity         | Full      | Partial |
|------------------|-------------|-------|-----------------------------------|-------|------------------|-----------|---------|
| Doses            | 688,874,547 |       | +0.073 million                    |       | US               | 69.3%     | 81.2%   |
|                  |             |       | Of which boosters: +0.046 million |       | UK               | 75.2%     | 79.7%   |
|                  | One dose    | % Pop | Immune                            | % pop | New immune today | France    | 78.4%   |
| Total population | 277,995,771 | 83%   | 236,920,363                       | 71%   | +0.012 million   | Spain     | 85.6%   |
| Age 12 to 17     | 18,489,485  | 73%   | 15,821,611                        | 63%   | +0.001 million   | Germany   | 76.2%   |
| Age 18 to 64     | 184,796,583 | 91%   | 157,013,258                       | 77%   | +0.007 million   | Italy     | 81.2%   |
| Age 65 and over  | 61,113,123  | 100%  | 53,528,865                        | 98%   | +0.001 million   | Australia | 82.7%   |
|                  |             |       |                                   |       |                  | Israel    | 65.2%   |
|                  |             |       |                                   |       |                  | Canada    | 82.6%   |
|                  |             |       |                                   |       |                  | Japan     | 83.4%   |
|                  |             |       |                                   |       |                  | Africa    | 29.3%   |
|                  |             |       |                                   |       |                  | India     | 67.2%   |
|                  |             |       |                                   |       |                  | Brazil    | 81.7%   |
|                  |             |       |                                   |       |                  | China     | 89.5%   |



| State                                     | Best   |
|---|--------|
| At least partial immunity as % population | Middle |
| Full immunity as % population             | Worst  |

"Immunity" = two doses

|       |
|-------|
| AK    |
| 73.0% |
| 65.1% |

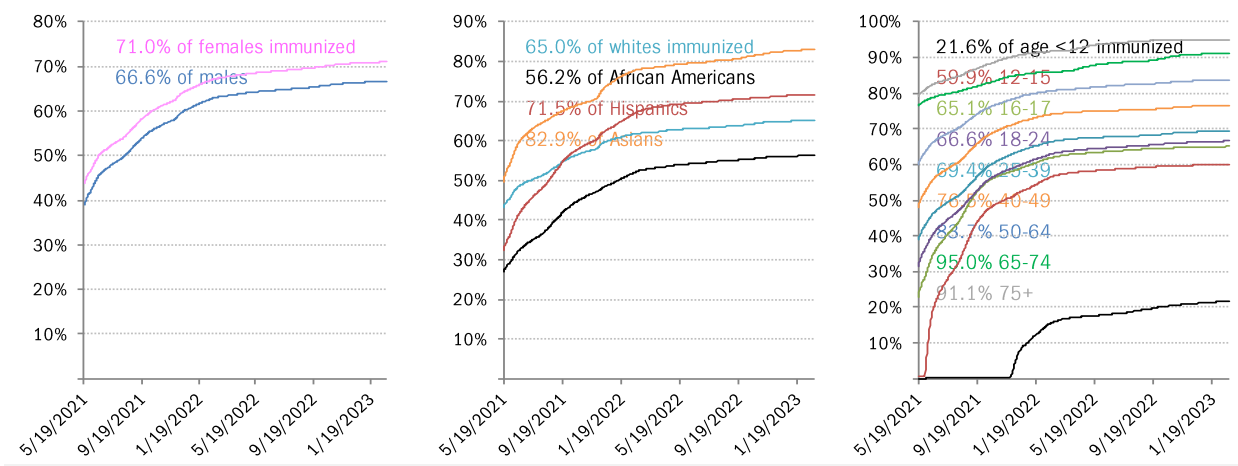
|       |
|-------|
| WI    |
| 75.2% |
| 68.2% |

As of Mar 3

|       |
|-------|
| ME    |
| 95.0% |
| 83.4% |

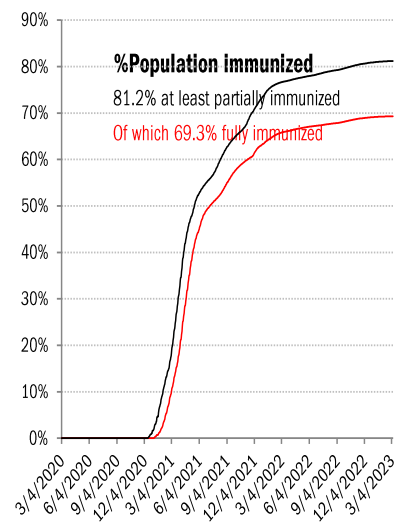
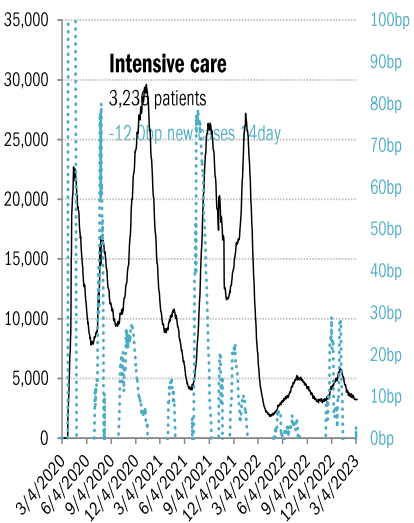
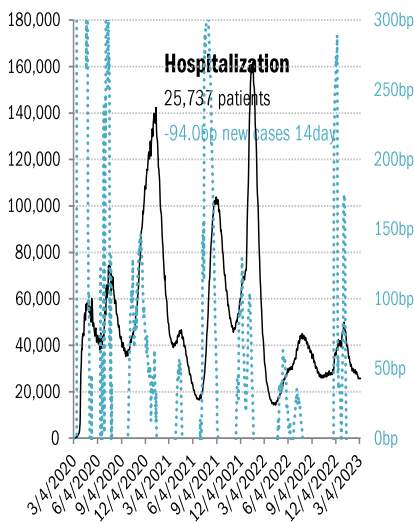
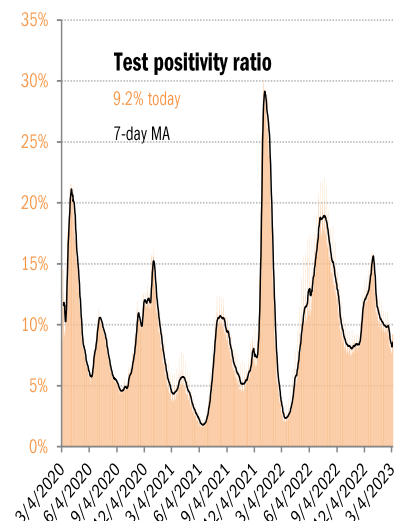
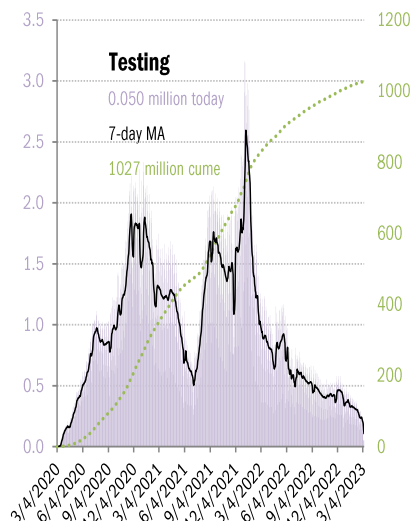
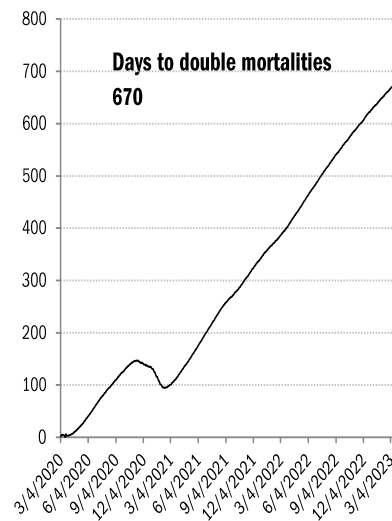
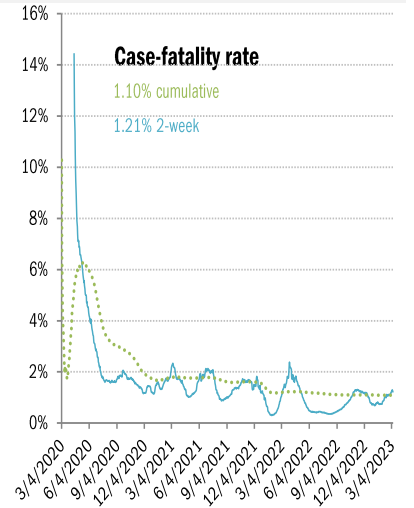
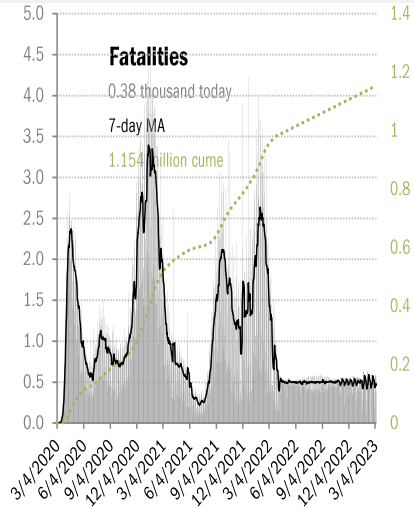
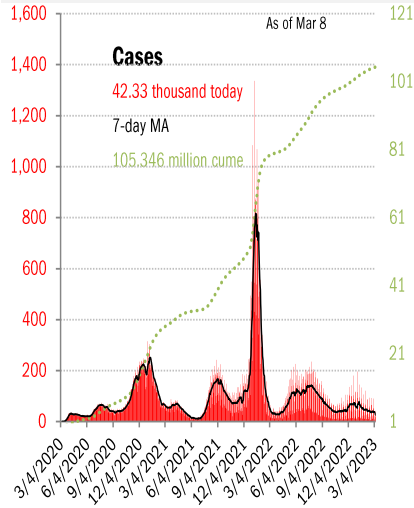
|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| WA    | ID    | MT    | ND    | MN    | IL    | MI    | NY    | VT    | NH    |       |
| 85.3% | 64.0% | 68.3% | 69.4% | 78.9% | 79.2% | 69.5% | 94.5% | 95.0% | 88.2% |       |
| 76.1% | 56.5% | 59.2% | 58.7% | 72.2% | 71.4% | 62.3% | 80.8% | 85.8% | 72.0% |       |
| OR    | NV    | WY    | SD    | IA    | IN    | OH    | PA    | NJ    | MA    |       |
| 81.7% | 77.7% | 60.9% | 84.0% | 70.7% | 64.4% | 65.8% | 90.7% | 94.7% | 95.0% |       |
| 72.4% | 63.7% | 53.0% | 66.3% | 64.4% | 57.8% | 60.5% | 73.4% | 79.2% | 84.3% |       |
| CA    | UT    | CO    | NE    | MO    | KY    | WV    | VA    | MD    | CT    | RI    |
| 84.8% | 75.4% | 83.7% | 73.4% | 69.4% | 68.9% | 67.5% | 91.0% | 91.8% | 95.0% | 95.0% |
| 74.7% | 66.8% | 73.5% | 66.3% | 59.1% | 59.6% | 59.7% | 76.6% | 79.8% | 83.1% | 87.8% |
|       | AZ    | NM    | KS    | AR    | TN    | NC    | SC    | DC    | DE    |       |
|       | 77.9% | 94.5% | 76.3% | 69.9% | 64.4% | 92.3% | 71.0% | 95.0% | 88.3% |       |
|       | 66.1% | 75.2% | 65.4% | 56.9% | 56.3% | 67.2% | 59.9% | 90.5% | 73.4% |       |
|       |       |       | OK    | LA    | MS    | AL    | GA    |       |       |       |
|       |       |       | 74.7% | 62.8% | 61.7% | 65.0% | 68.4% |       |       |       |
|       |       |       | 60.5% | 55.0% | 53.7% | 53.2% | 57.3% |       |       |       |
|       |       |       | TX    |       |       |       |       | FL    |       | PR    |
|       |       |       | 76.5% |       |       |       |       | 82.5% |       | 90.9% |
|       |       |       | 63.3% |       |       |       |       | 69.4% |       | 84.1% |

## The demographics of US vaccination

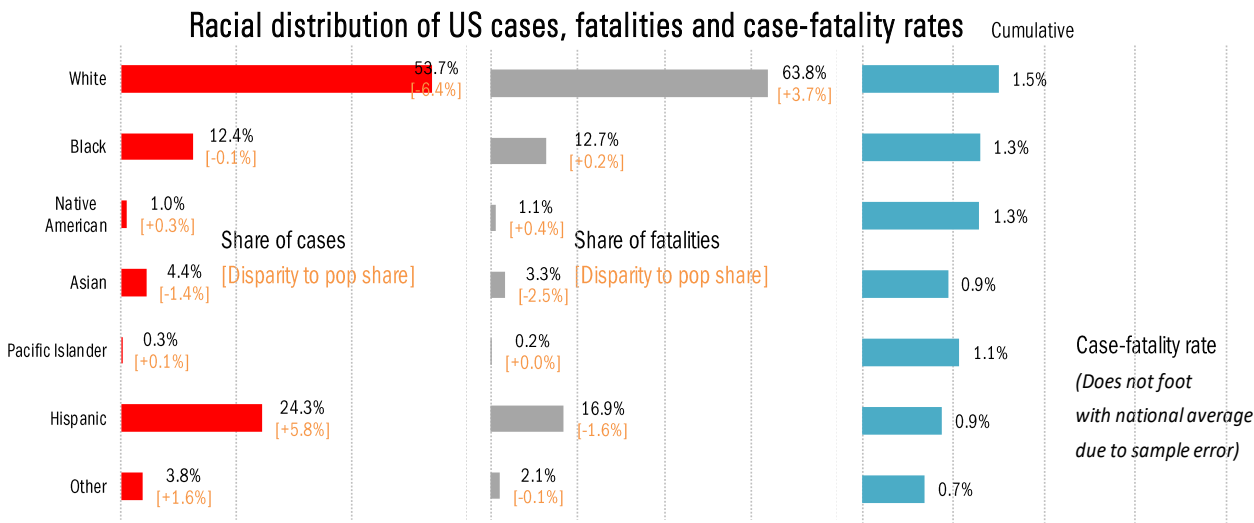
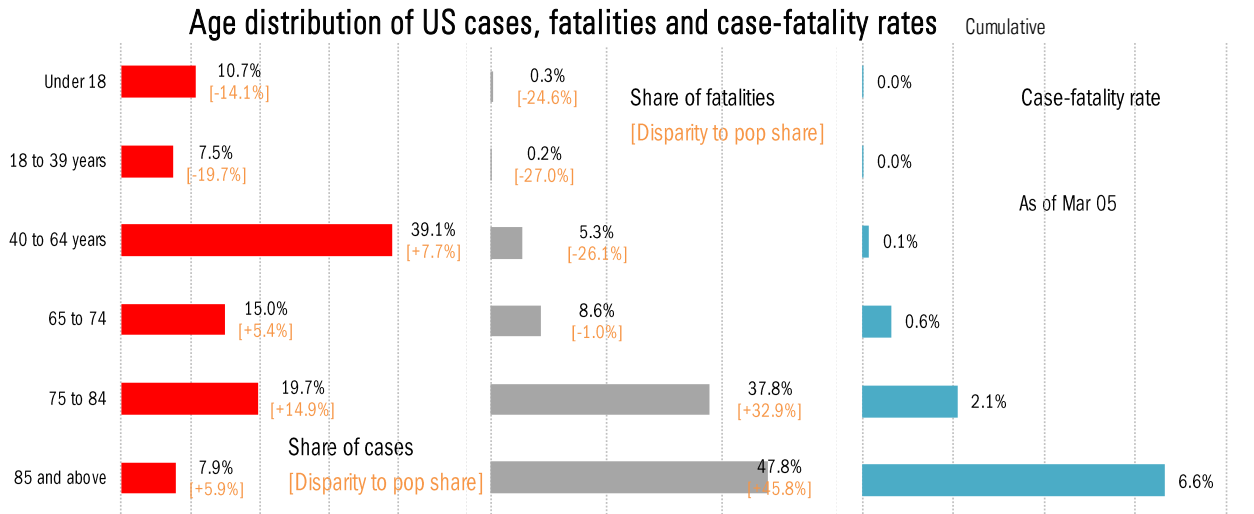


Source: CDC, CDC, Our World in Data, TrendMacro calculations

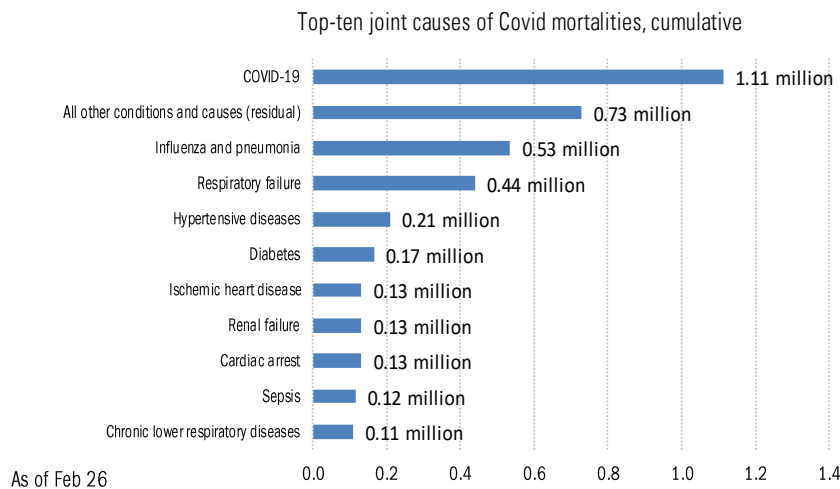
# US deep-dive



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



### Comorbidities



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

[Trump's CDC director says Fauci shut down debate on Covid's origin](#)

Carmen Paun

*Politico*

March 8, 2023

[Mayor Adams to New York City Shoppers: Drop That Mask](#)

Liam Stack

*New York Times*

March 6, 2023

[TONY IN TROUBLE: COVID Origins Committee Focuses on Fauci's Efforts to Disprove Lab Leak](#)

Sean Hannity

March 8, 2023

[Covid Lab Leak Fight Obscures the Global Rise of High-Security Biolabs](#)

Riley Griffin and Madison Muller

*Bloomberg*

March 7, 2023

[The China syndrome](#)

Alex Berenson

*Unreported Truths*

March 8, 2023

[Matt Hancock and the politics of fear](#)

Fraser Nelson

*The Spectator*

March 5, 2023

## Meme of the Day

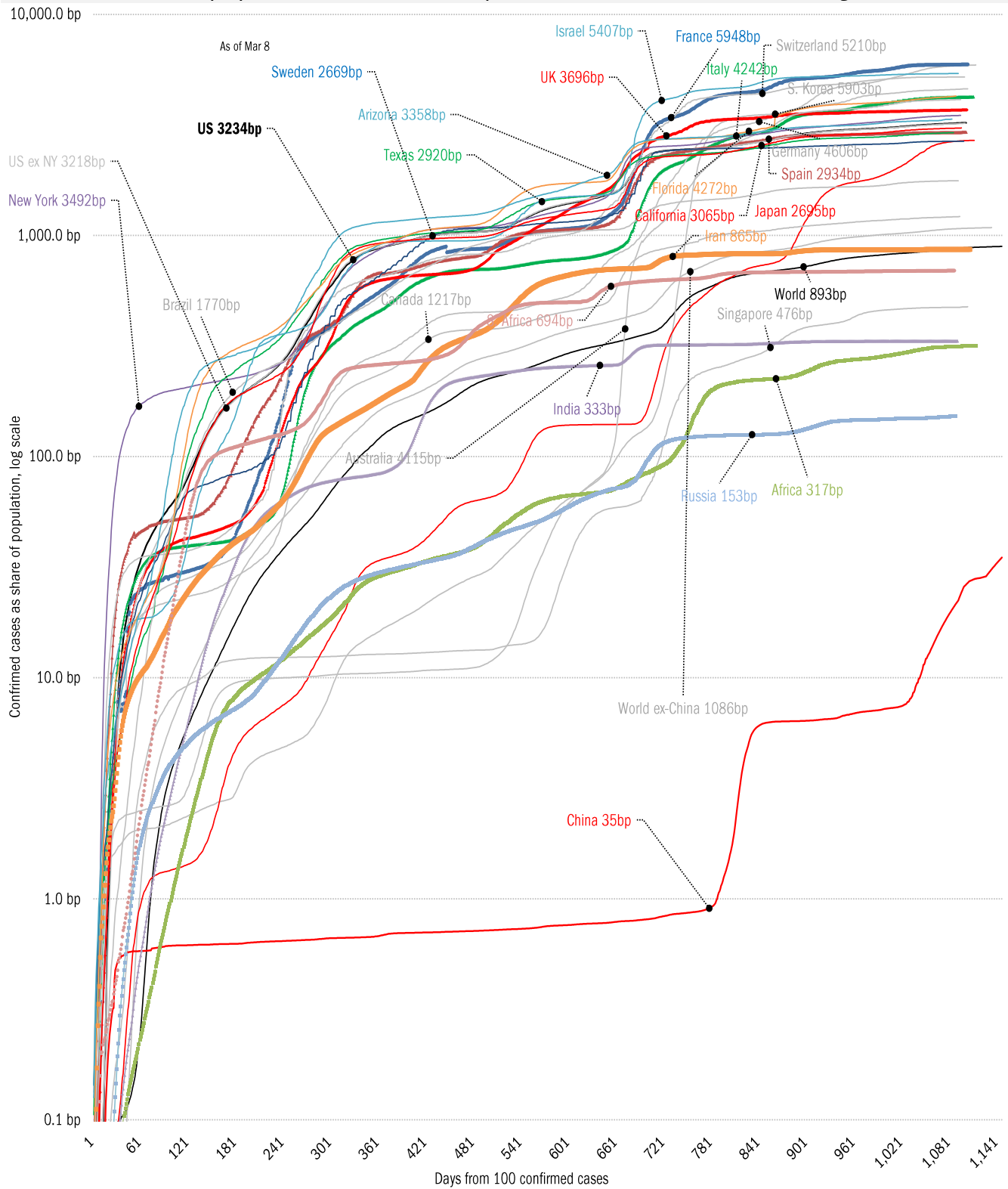


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



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

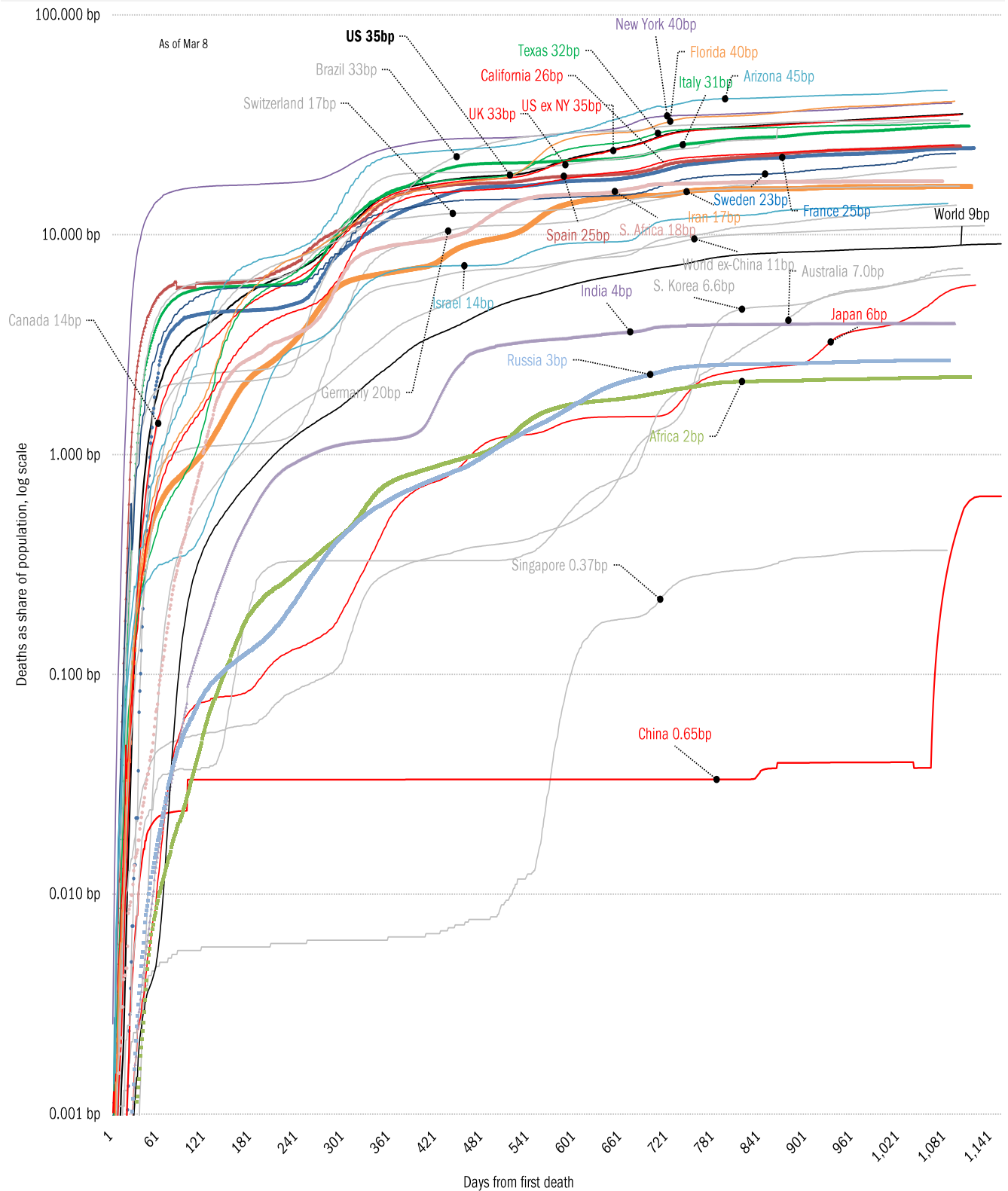
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

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



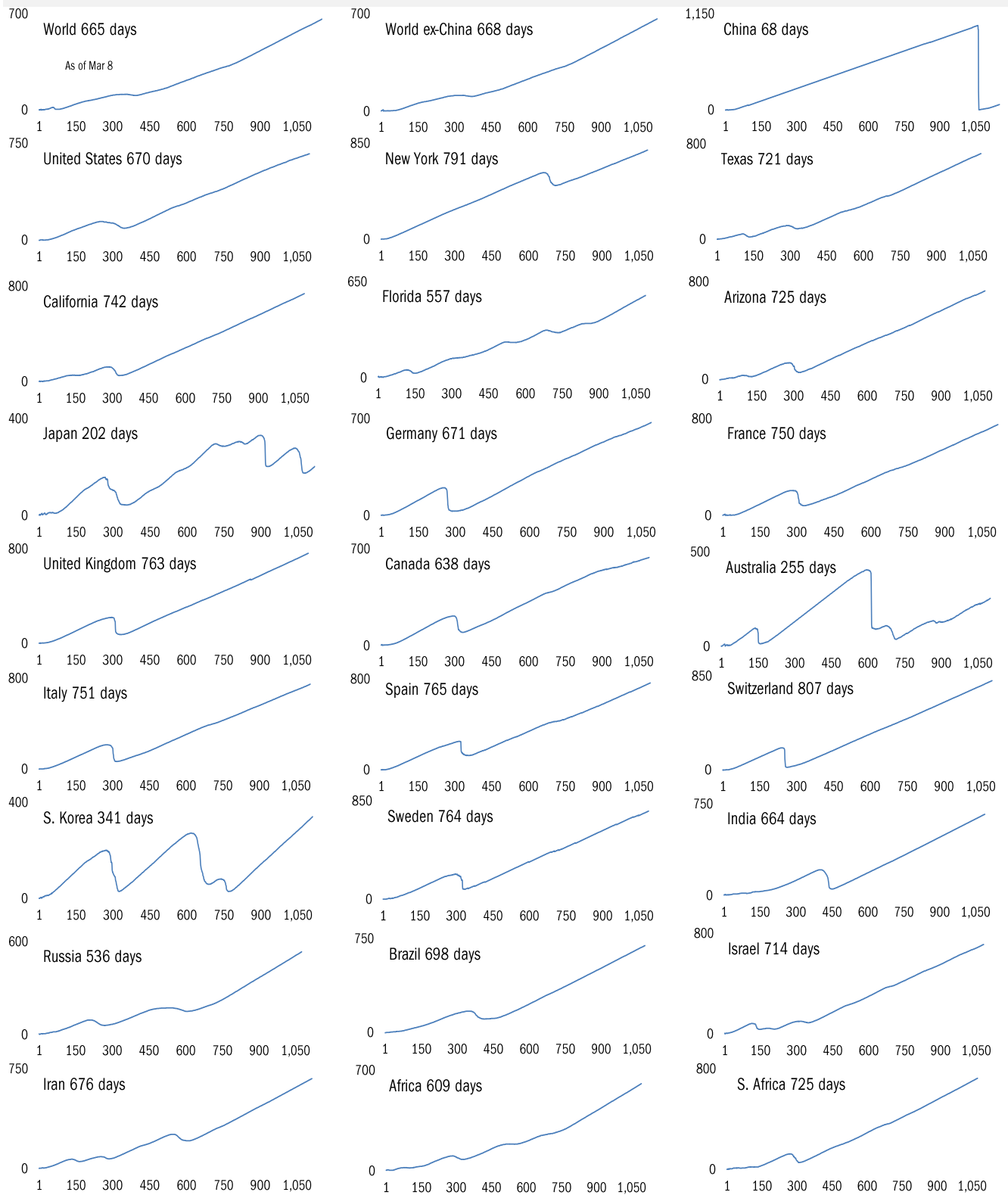
Source: [Johns Hopkins](#), TrendMacro calculations



# Our most reliable evidence of the rate of spread of Covid-2019

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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

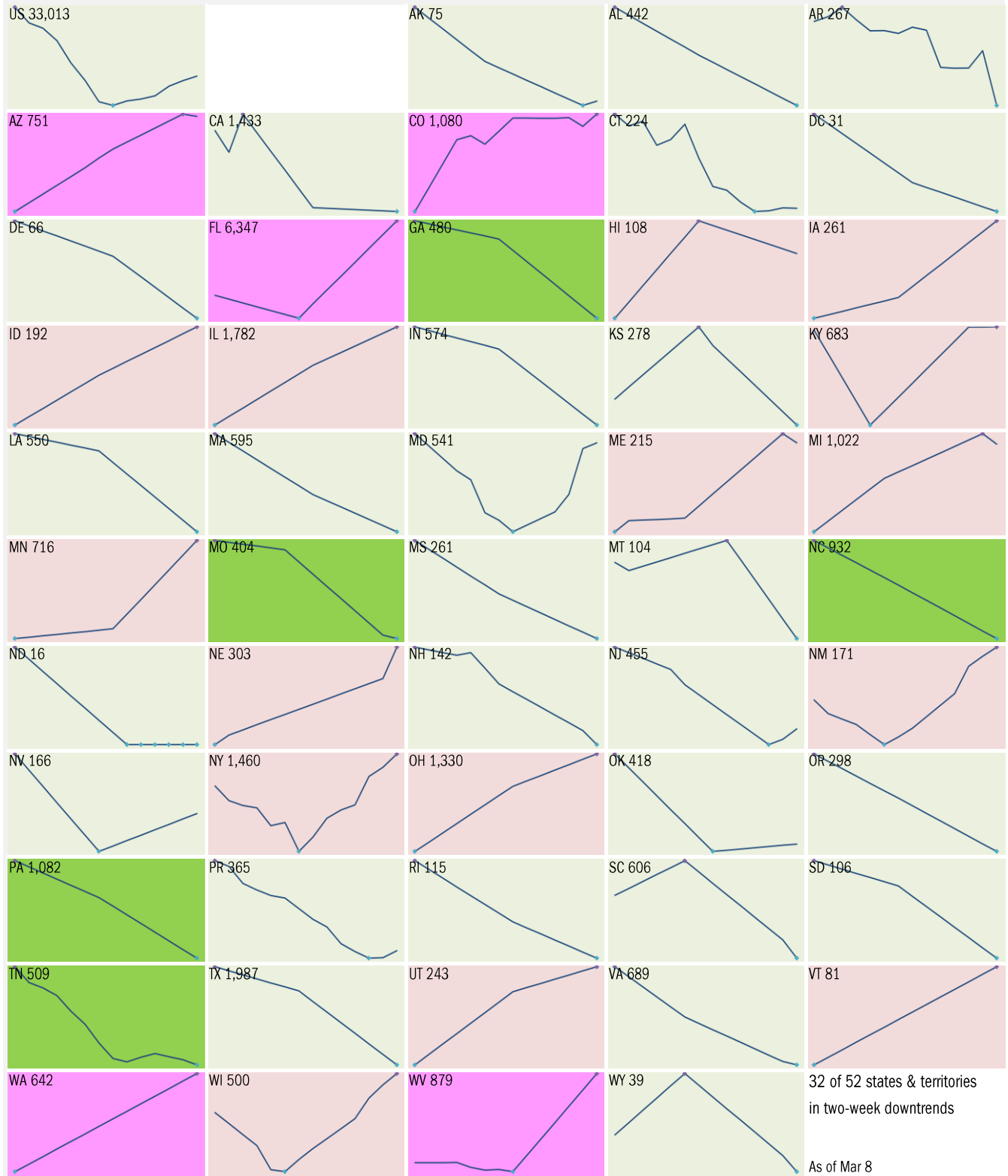


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

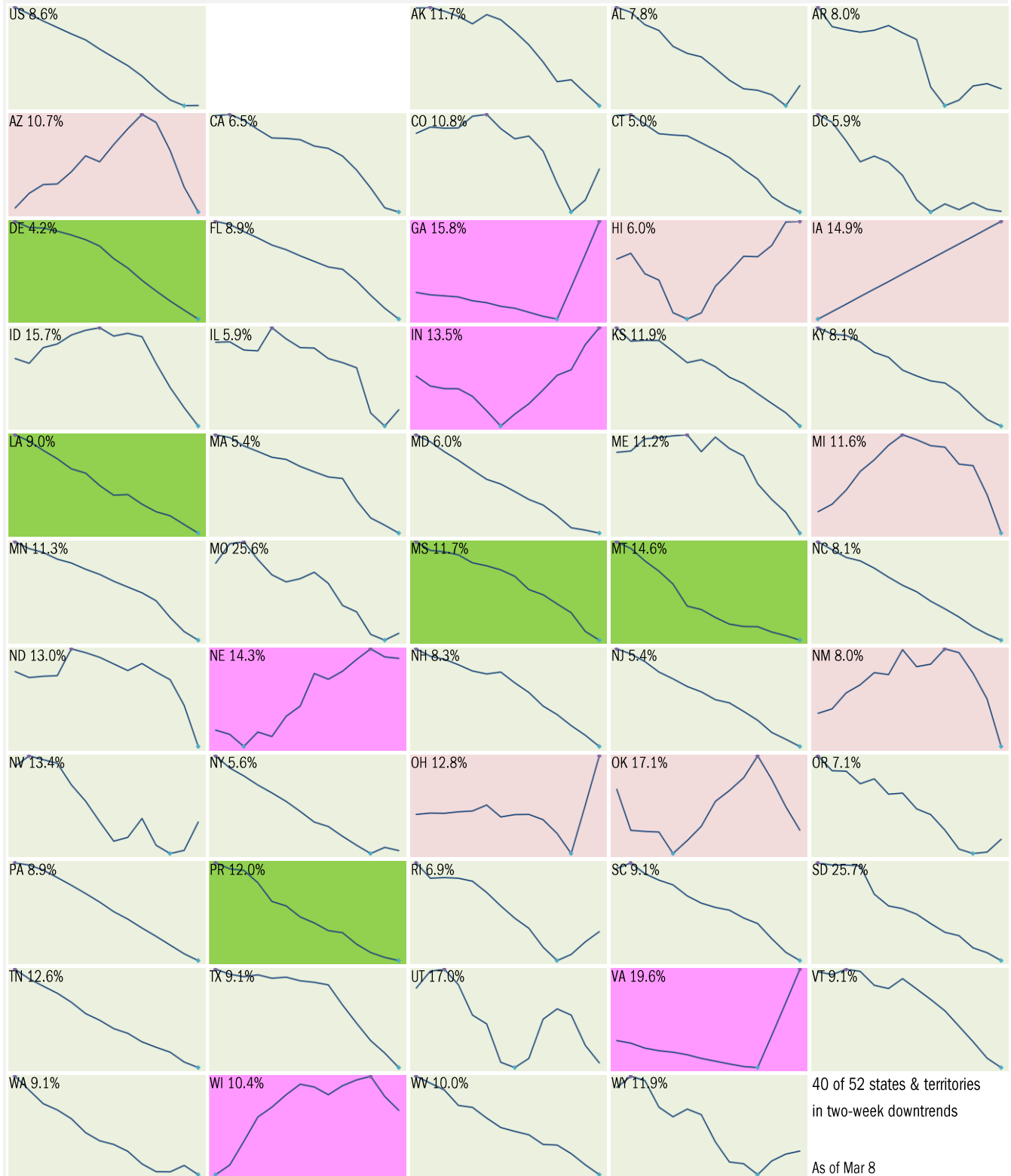


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

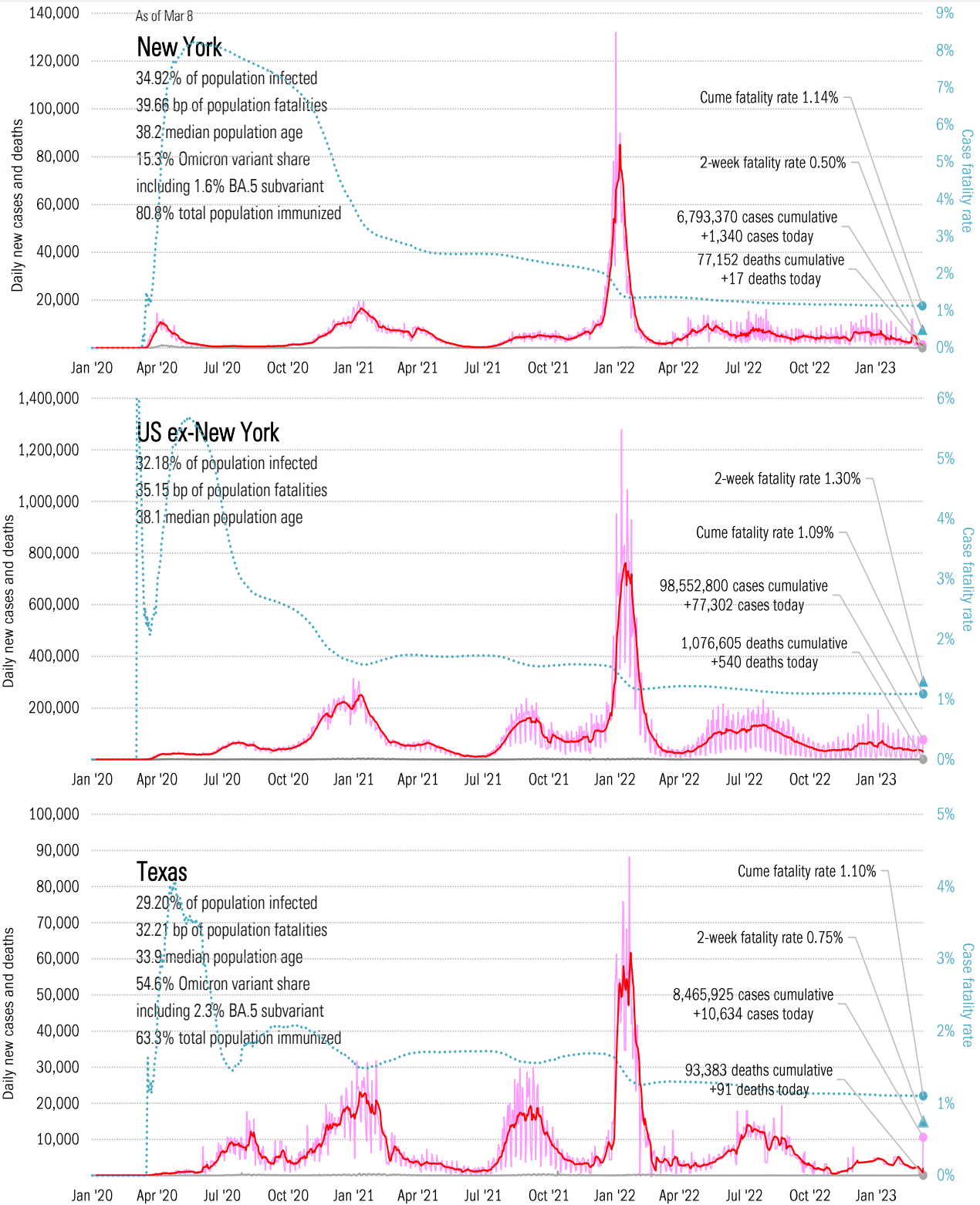
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

# From Ground Zero to the Rio Grande

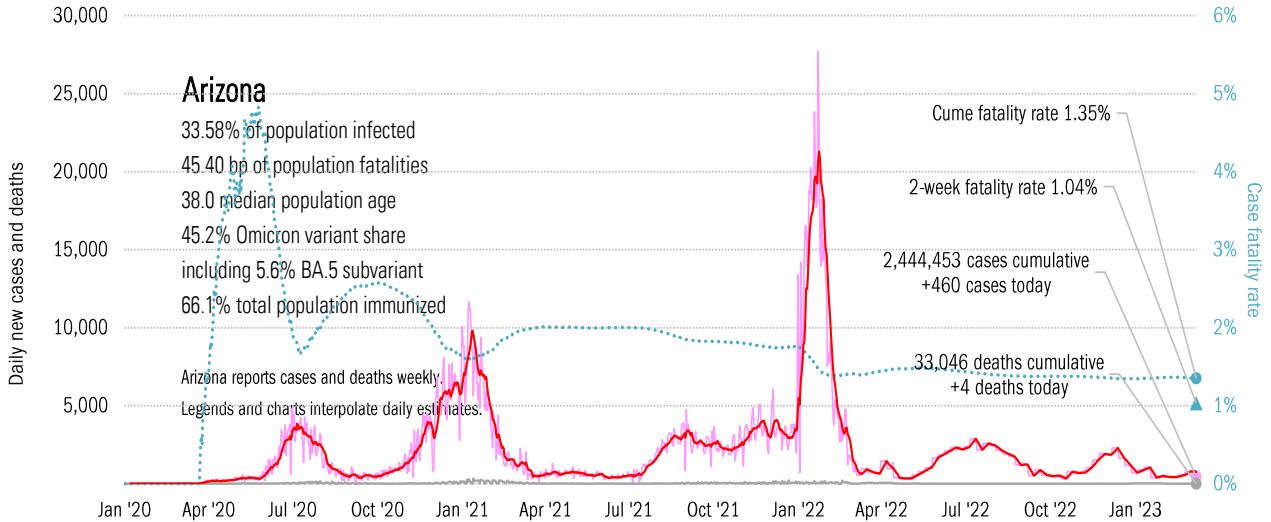
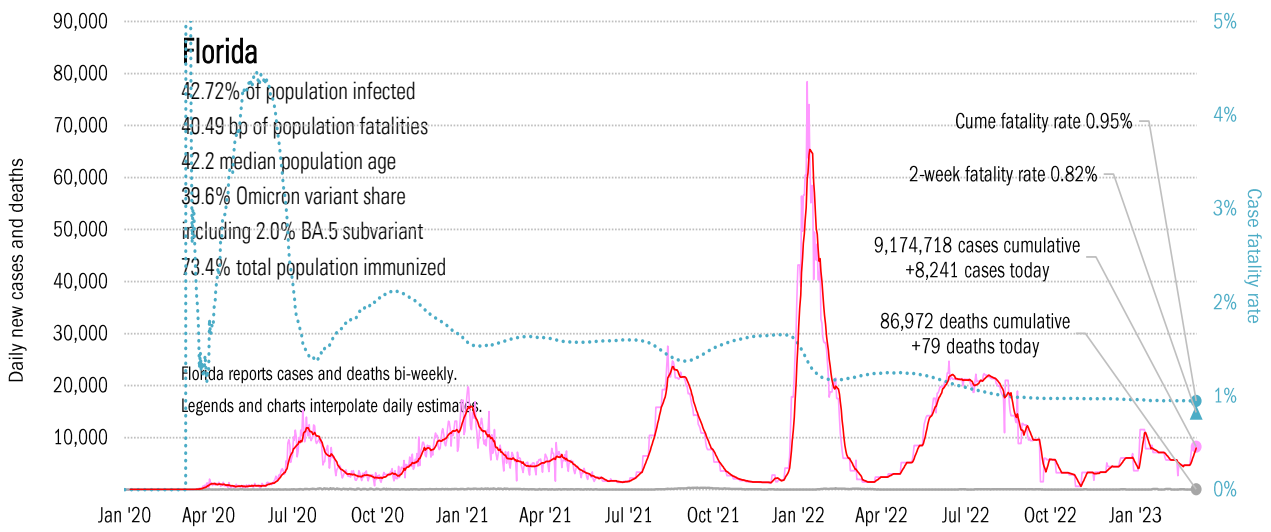
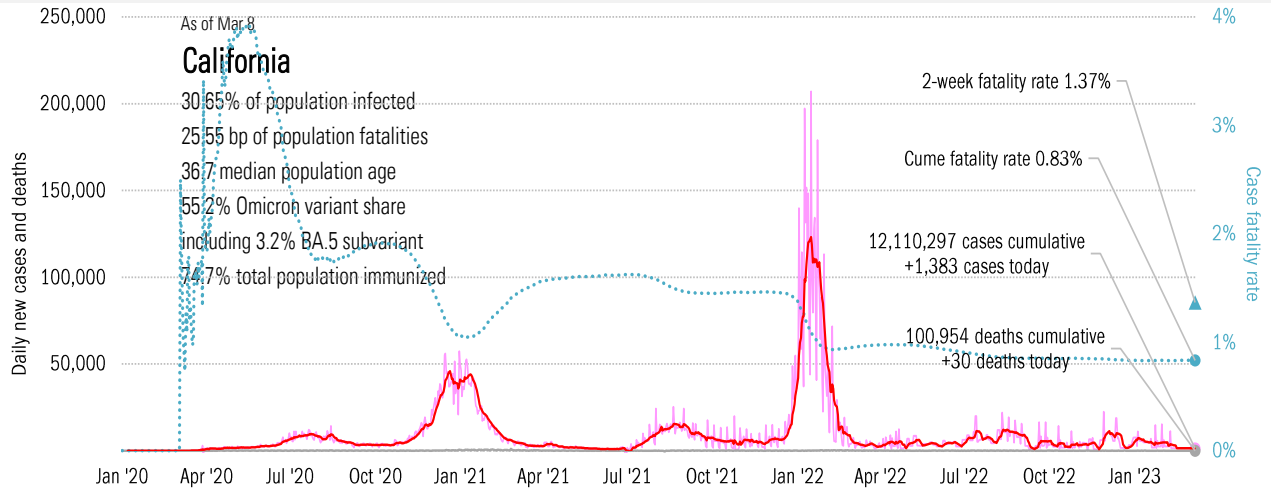
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

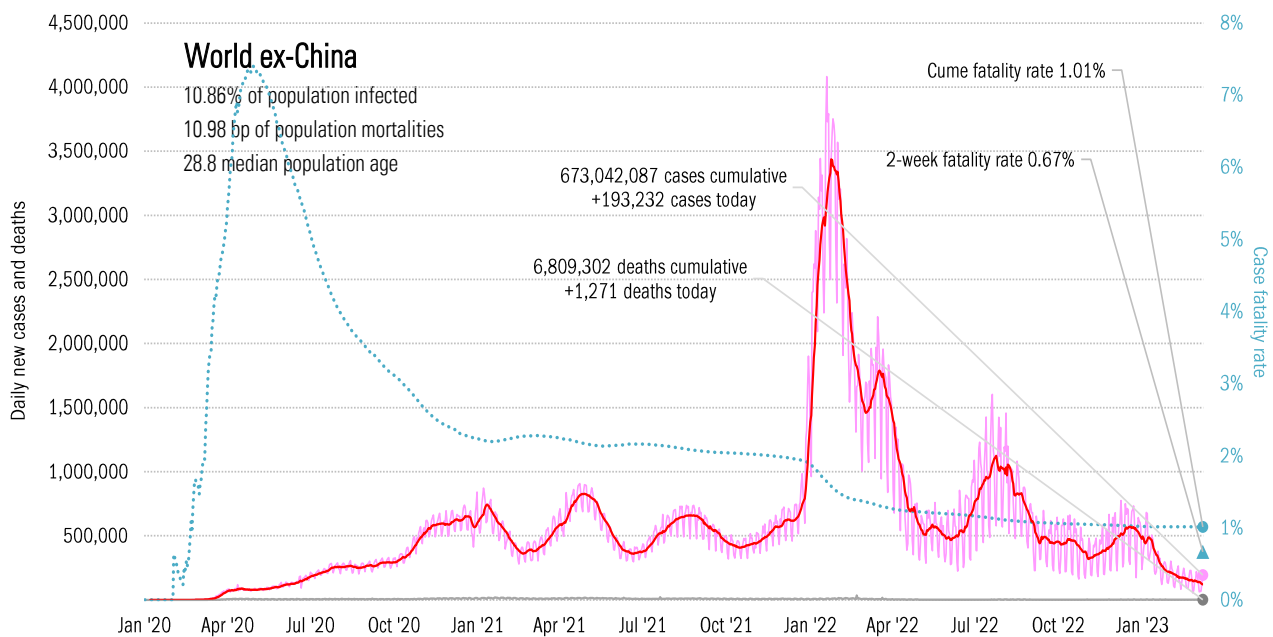
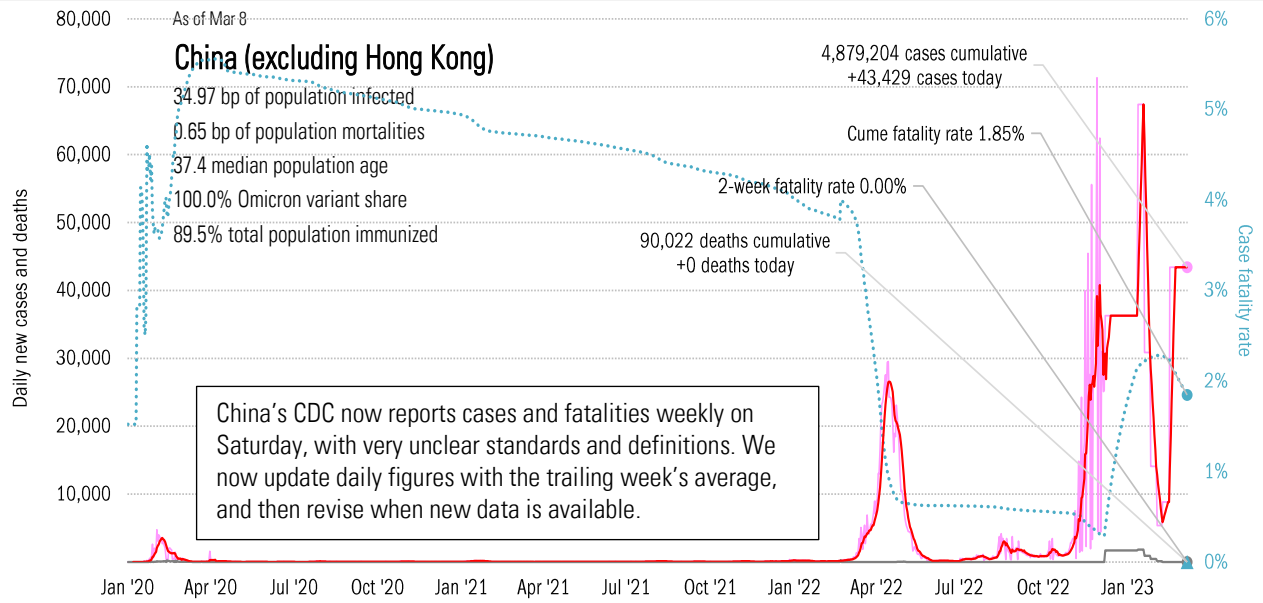
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

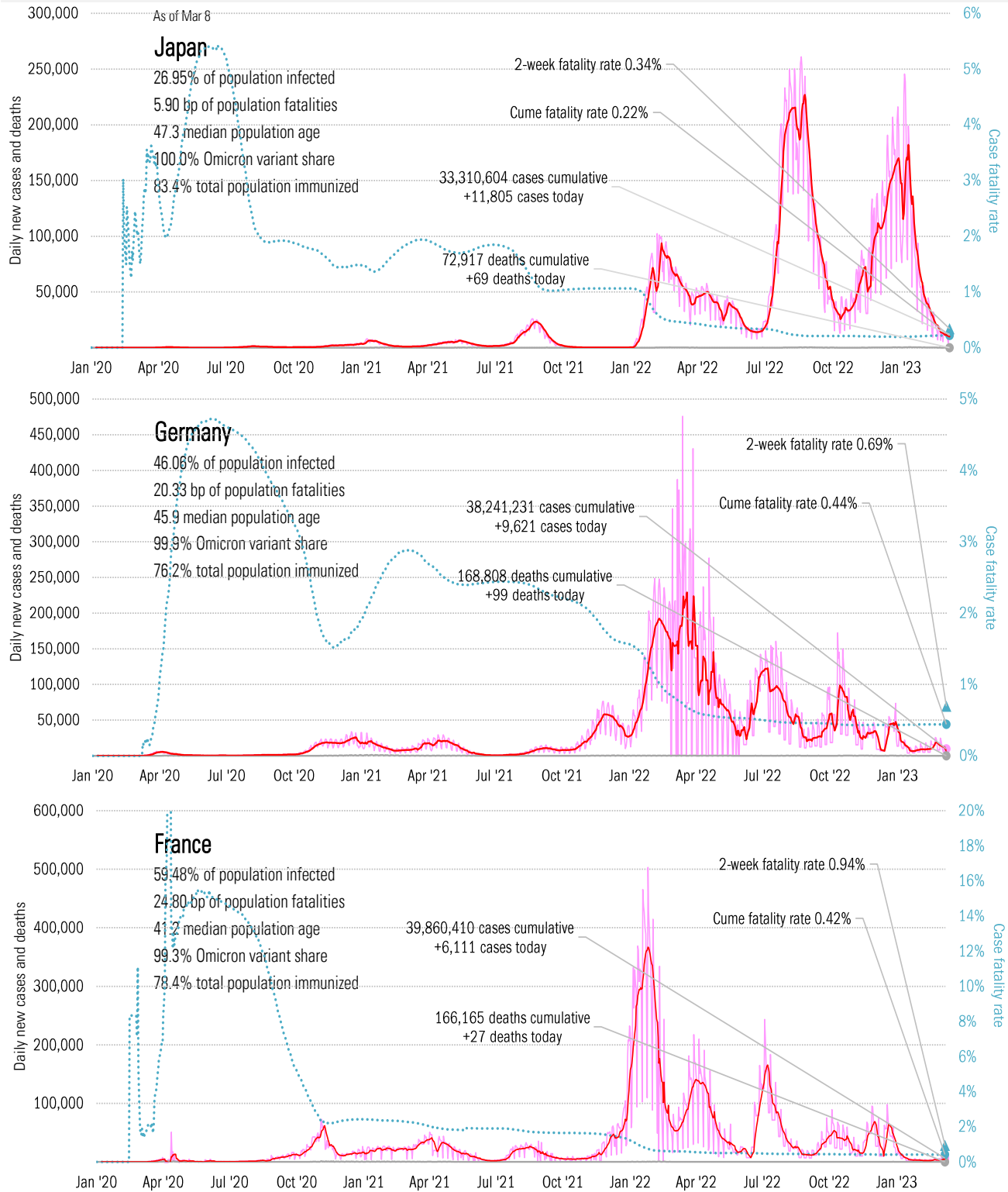


Source: [Johns Hopkins](#), [China CDC](#), TrendMacro calculations



# Impact in the largest economies

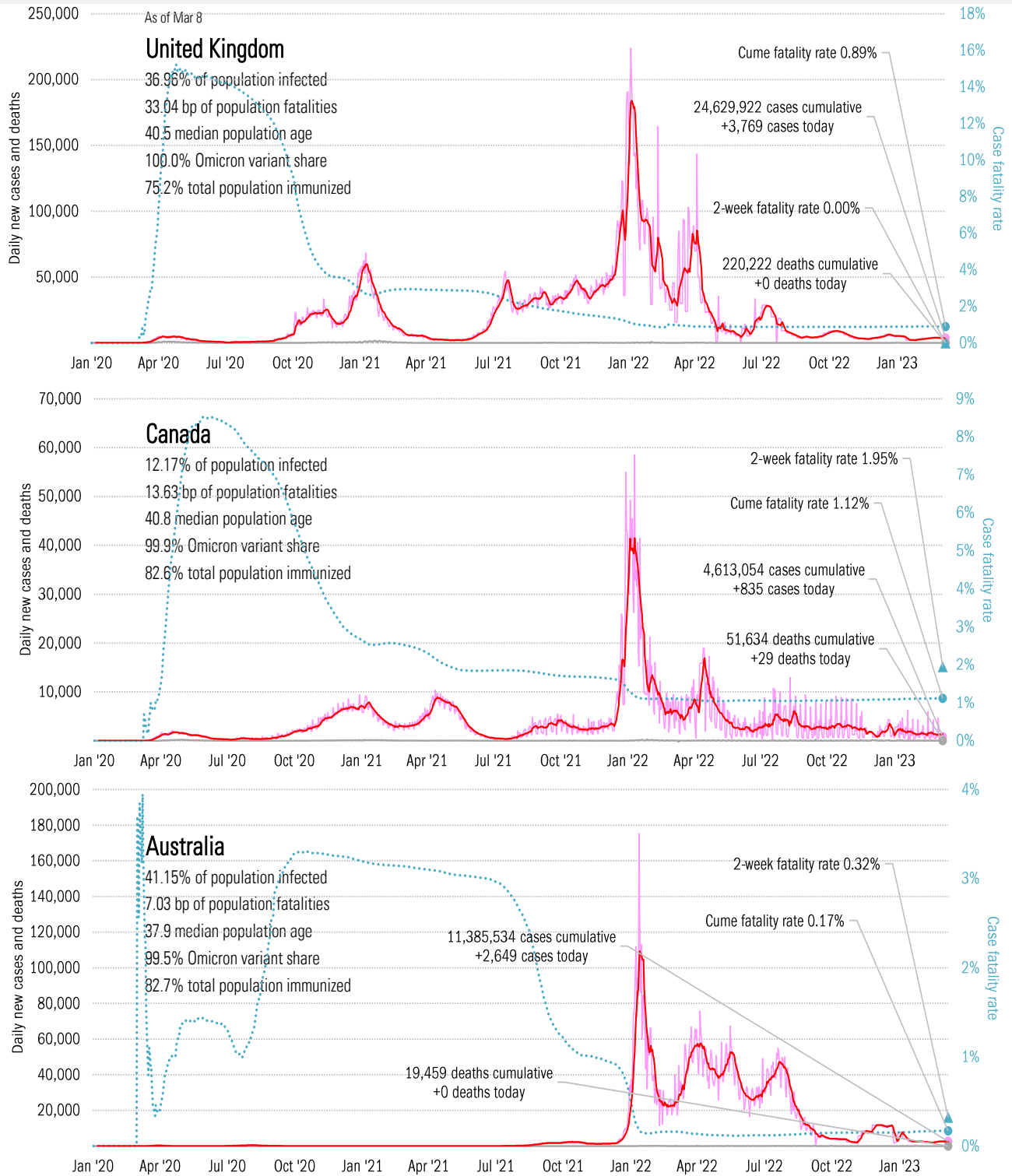
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

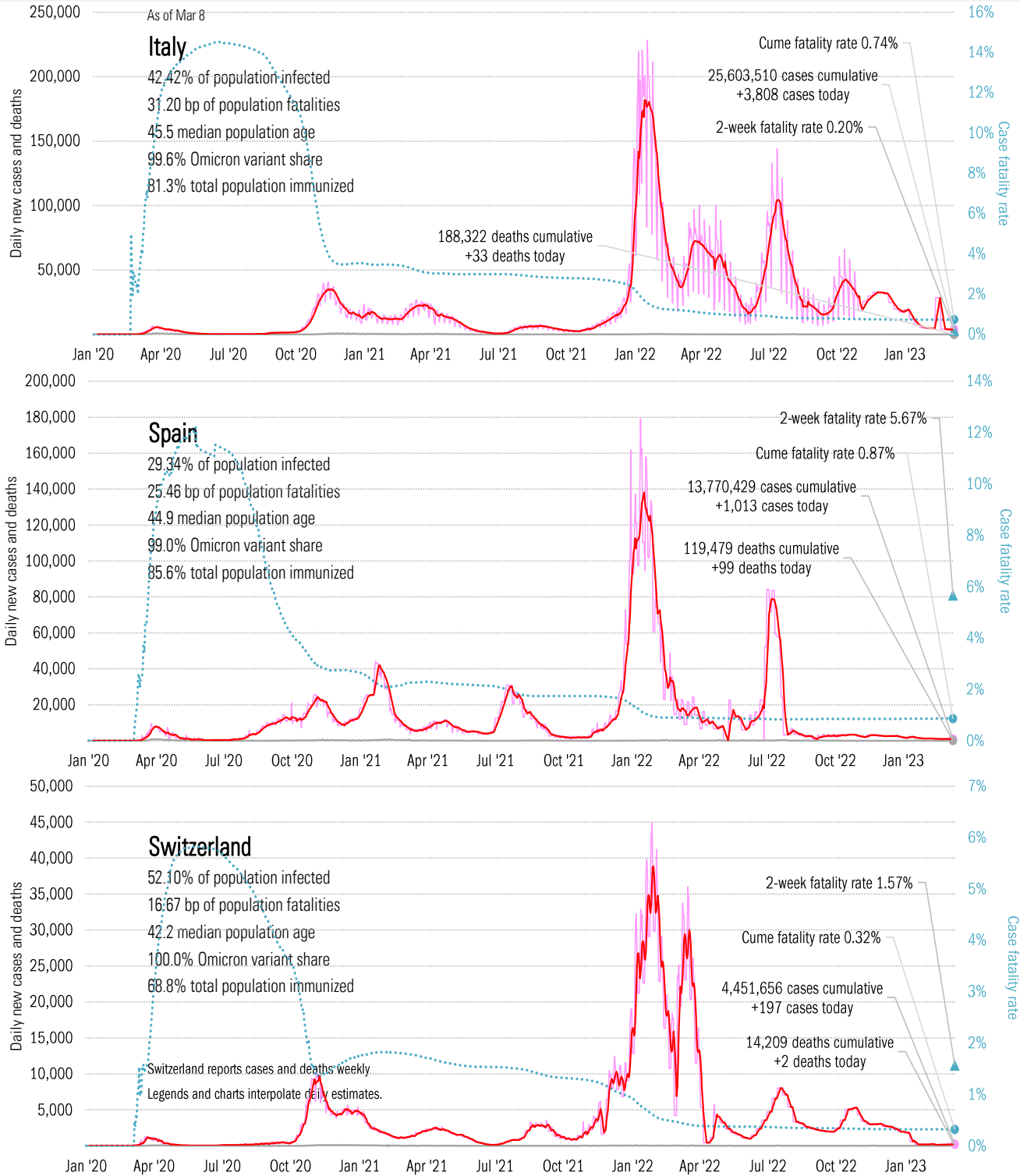
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

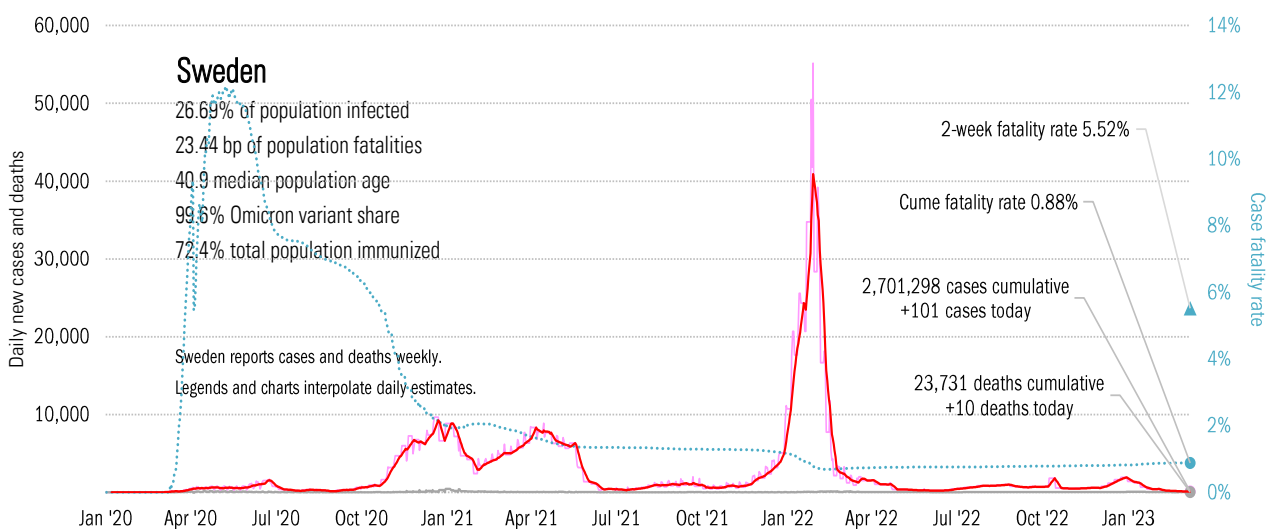
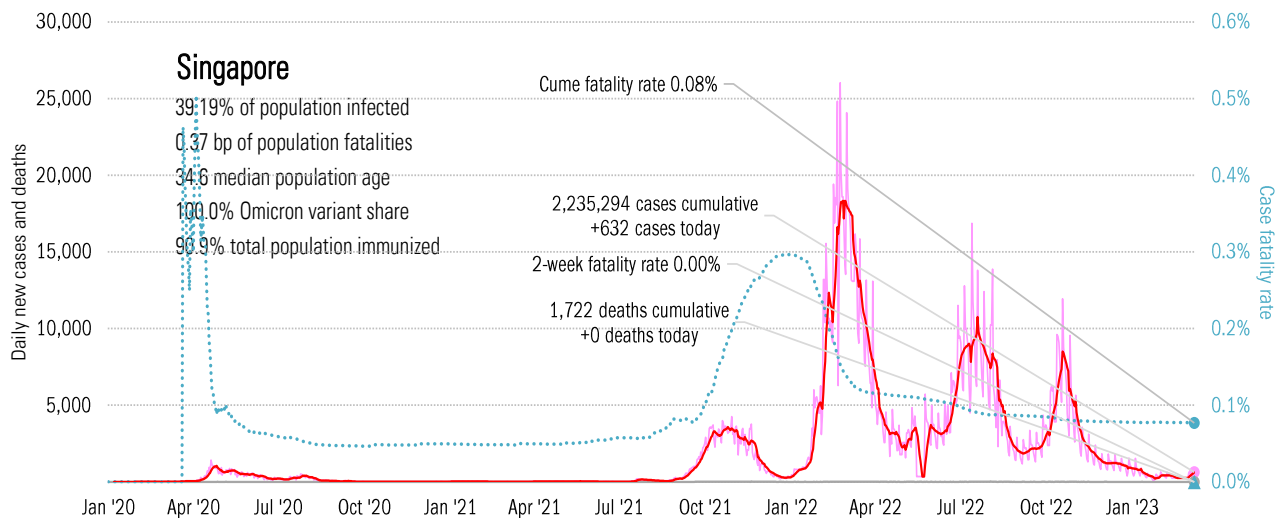
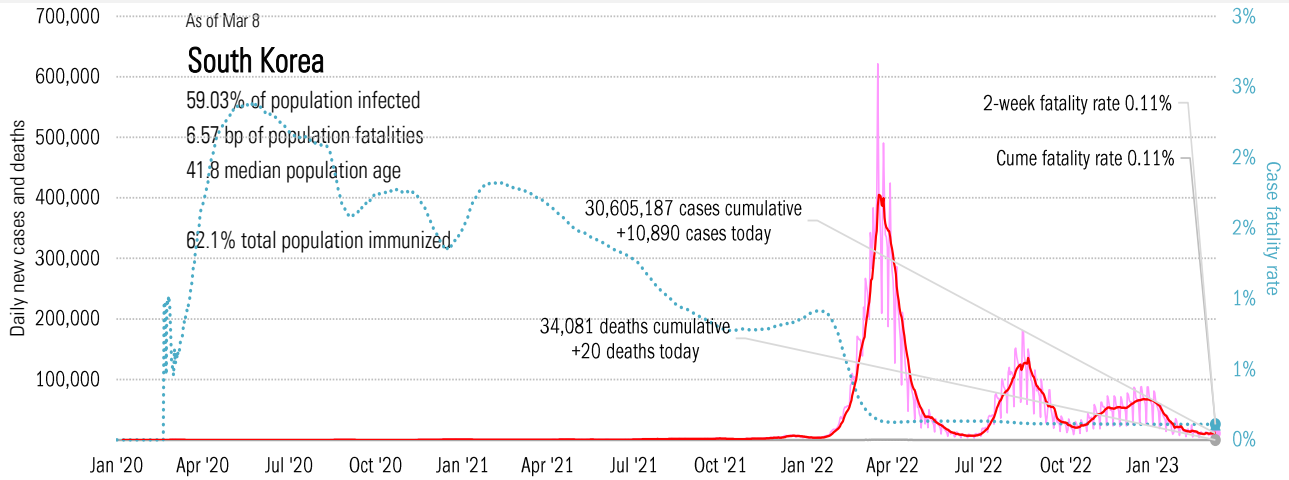
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

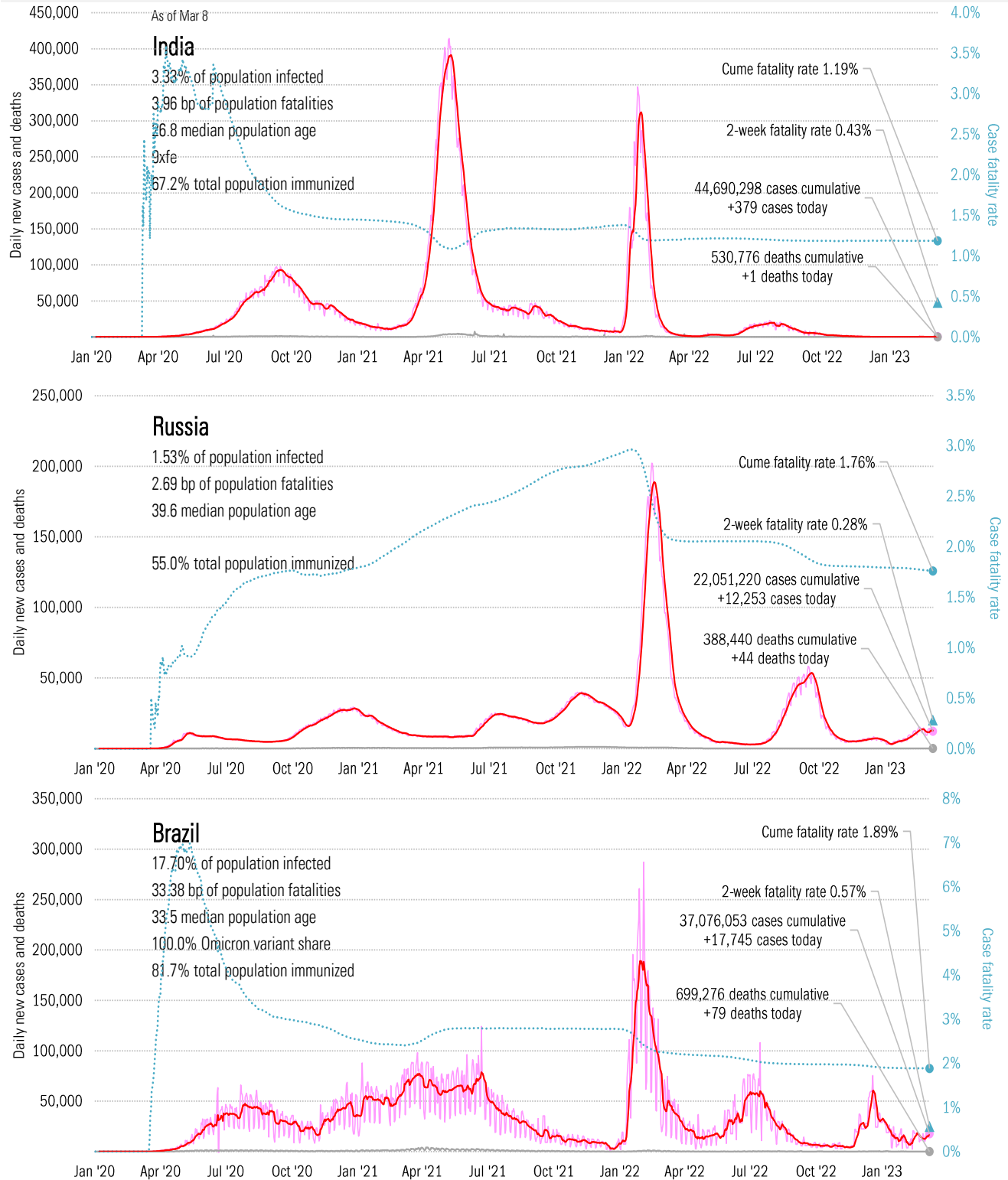
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

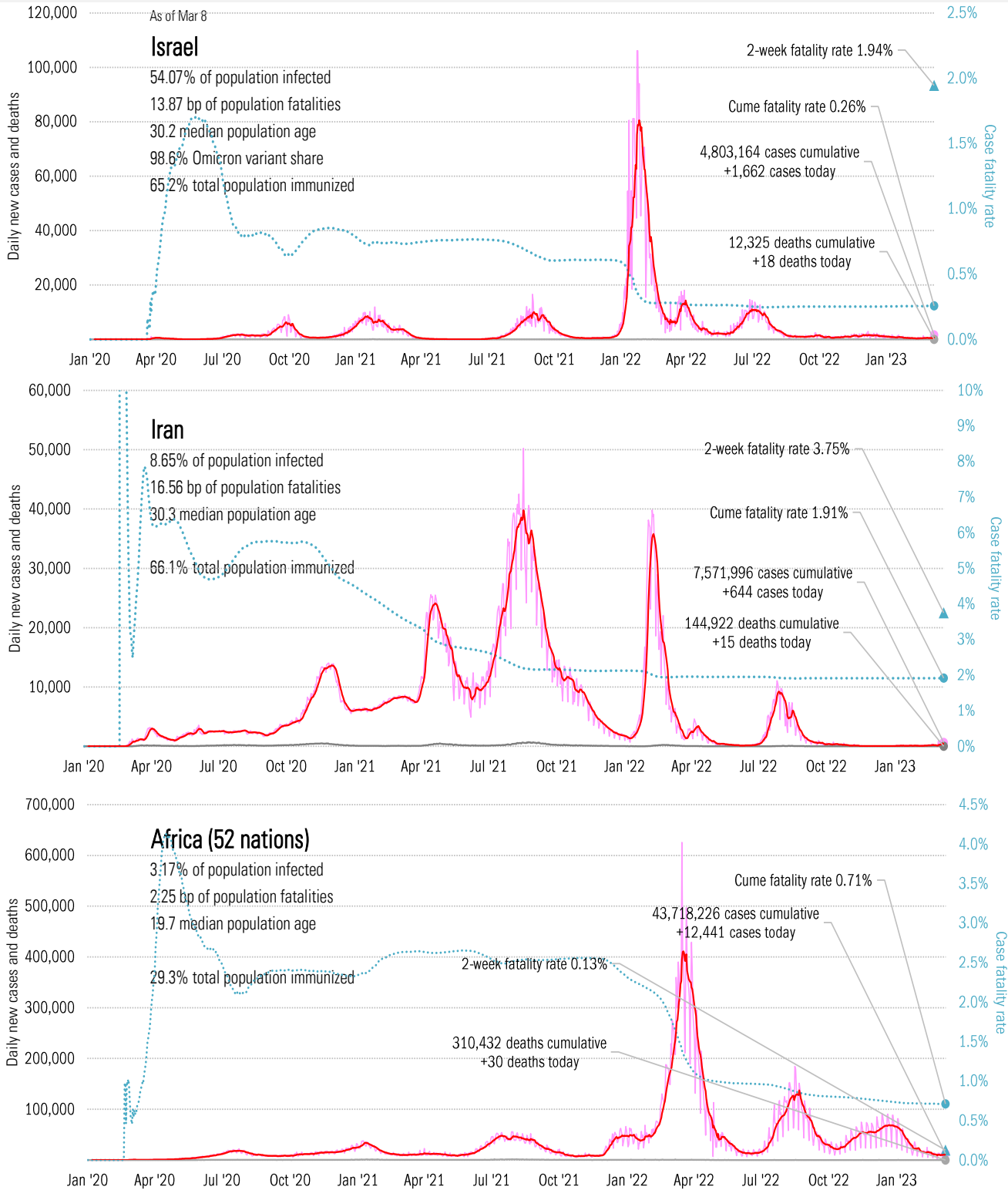
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

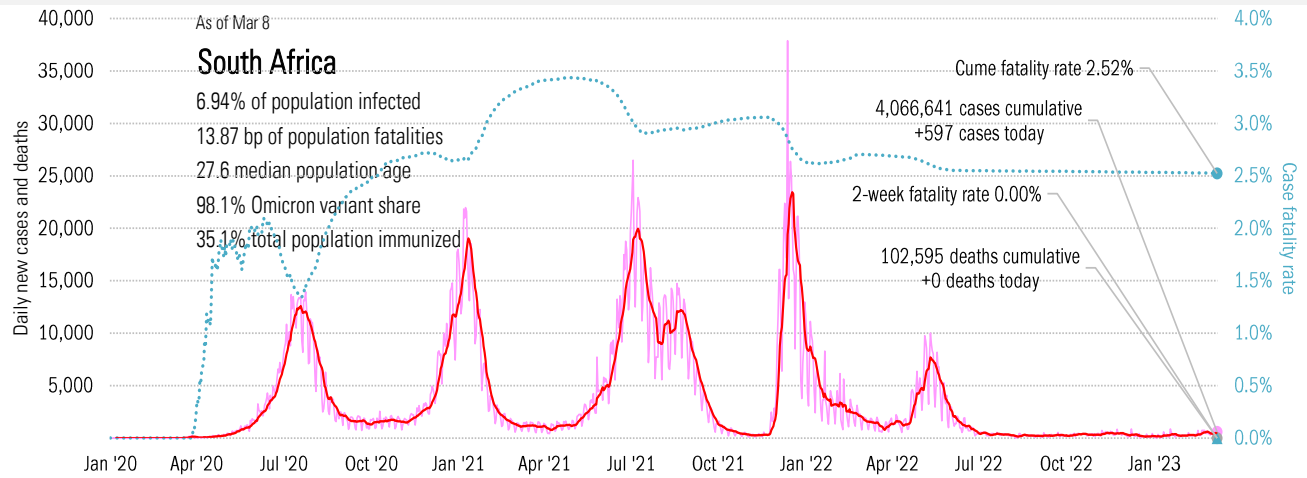


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations