

## Data Insights: Covid-2019 Monitor

Wednesday, February 15, 2023

### The global scorecard

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

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

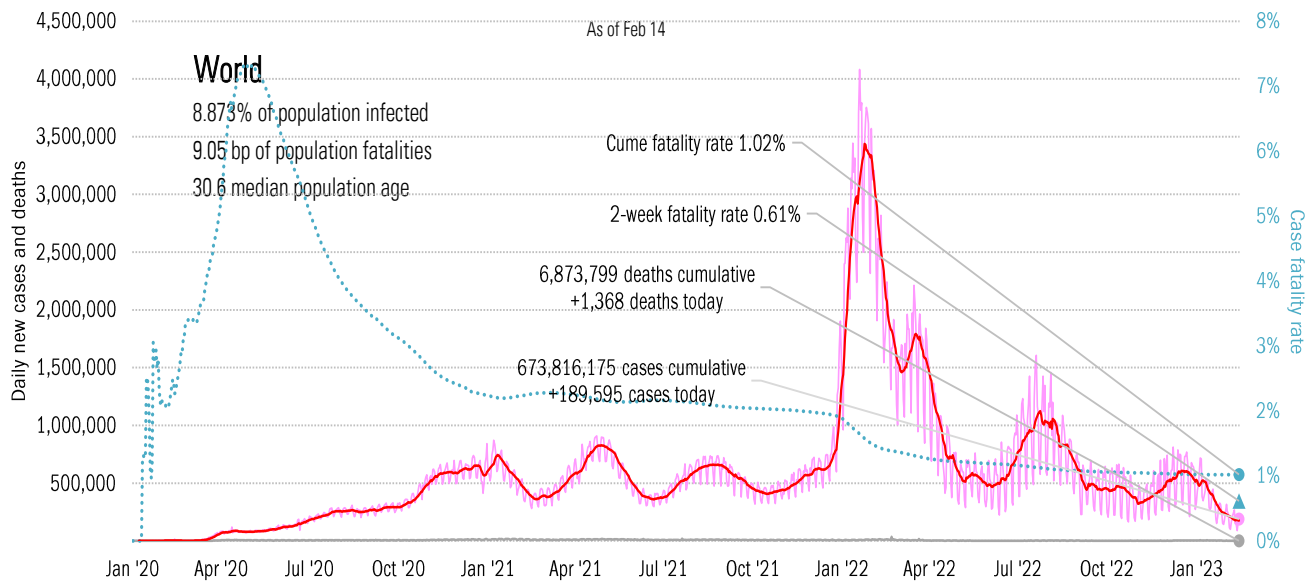
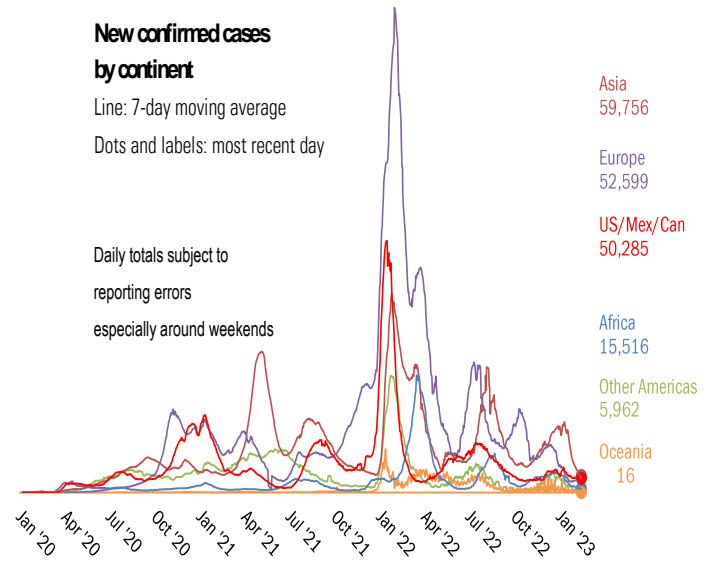
| New cases     |        | New Deaths     |     |
|---------------|--------|----------------|-----|
| United States | 38,212 | United States  | 514 |
| Japan         | 32,070 | Japan          | 135 |
| Brazil        | 20,662 | China          | 126 |
| Taiwan*       | 20,502 | Germany        | 124 |
| Korea, South  | 14,957 | Brazil         | 88  |
| Russia        | 9,761  | Mexico         | 73  |
| Mexico        | 9,245  | United Kingdom | 48  |
| China         | 5,373  | Portugal       | 44  |
| Austria       | 5,218  | Ecuador        | 43  |
| Germany       | 5,126  | Italy          | 40  |

**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

### For more information contact us:

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

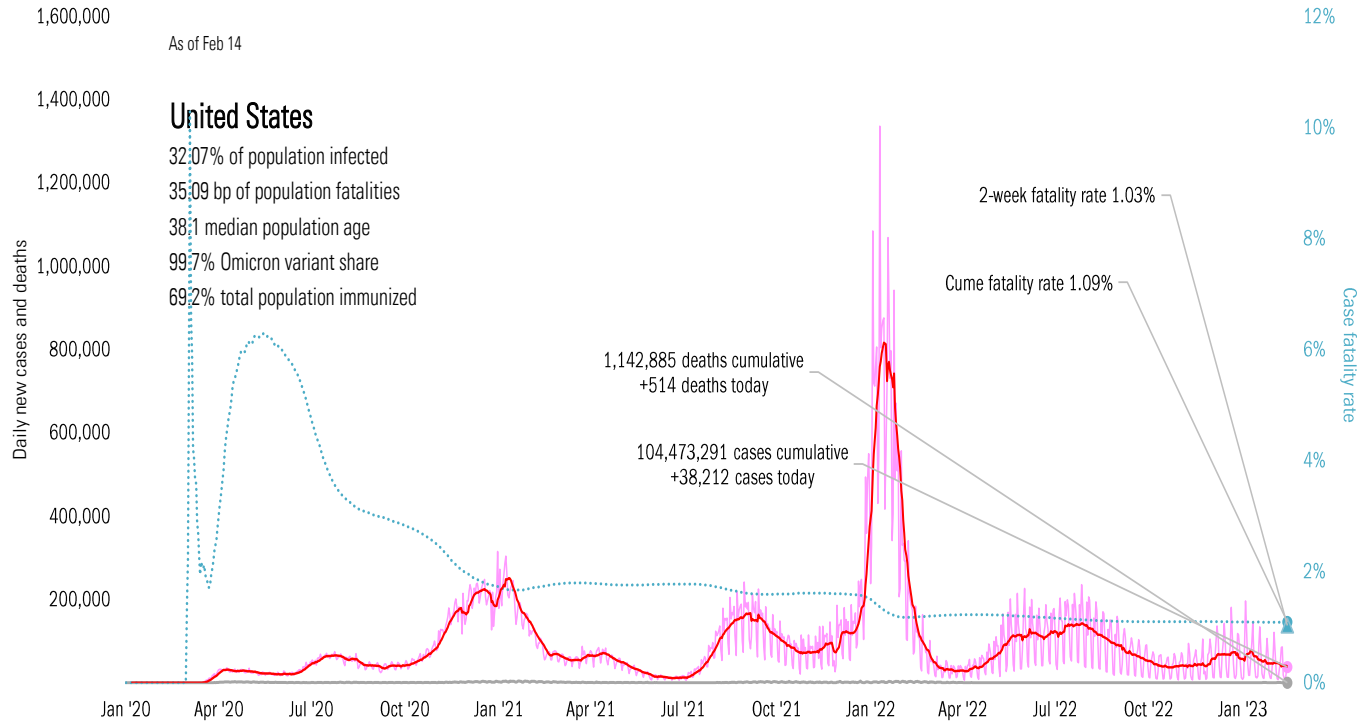
## The ten worst US states

| New cases  |        |  | New deaths |     |  | New in hospital |       |  | Cumulative cases |             |  | Cumulative deaths |           |  | Cumulative in hospital |           |  | Hospital use |     | ICU use |    |     |  |
|------------|--------|--|------------|-----|--|-----------------|-------|--|------------------|-------------|--|-------------------|-----------|--|------------------------|-----------|--|--------------|-----|---------|----|-----|--|
| FL         | 5,700  |  | MI         | 59  |  | SD              | 18    |  | CA               | 12,031,907  |  | CA                | 100,300   |  | TX                     | 586,154   |  | RI           | 89% |         | RI | 86% |  |
| CA         | 3,195  |  | NY         | 49  |  | UT              | 24    |  | TX               | 8,401,082   |  | TX                | 92,920    |  | CA                     | 563,338   |  | MA           | 85% |         | TX | 86% |  |
| NY         | 1,924  |  | FL         | 49  |  | CT              | 47    |  | FL               | 7,483,857   |  | FL                | 85,710    |  | FL                     | 530,499   |  | DE           | 83% |         | AL | 85% |  |
| NC         | 1,781  |  | MO         | 35  |  | IA              | 27    |  | NY               | 6,752,125   |  | NY                | 76,866    |  | NY                     | 351,946   |  | MN           | 82% |         | NC | 84% |  |
| NJ         | 1,614  |  | CO         | 32  |  | KY              | 57    |  | IL               | 4,040,139   |  | PA                | 49,921    |  | CH                     | 242,787   |  | WA           | 82% |         | AK | 83% |  |
| MD         | 1,533  |  | MD         | 26  |  | NH              | 13    |  | PA               | 3,491,219   |  | GA                | 42,161    |  | GA                     | 240,968   |  | DC           | 82% |         | MS | 83% |  |
| IL         | 1,462  |  | WI         | 22  |  | NM              | 13    |  | NC               | 3,438,259   |  | MI                | 41,868    |  | PA                     | 228,884   |  | AK           | 81% |         | NM | 83% |  |
| AL         | 1,403  |  | VA         | 20  |  | NV              | 24    |  | CH               | 3,364,860   |  | CH                | 41,535    |  | IL                     | 212,266   |  | NH           | 80% |         | VT | 80% |  |
| CH         | 1,262  |  | NC         | 19  |  | AK              | 5     |  | MI               | 3,043,192   |  | IL                | 41,261    |  | MI                     | 179,738   |  | NC           | 80% |         | KY | 80% |  |
| CO         | 1,055  |  | MA         | 19  |  | ID              | 13    |  | GA               | 3,042,823   |  | NJ                | 35,887    |  | NJ                     | 161,975   |  | HI           | 80% |         | GA | 79% |  |
| 20,930     |        |  | 329        |     |  | 241             |       |  | 55,089,463       |             |  | 608,429           |           |  | 3,298,555              |           |  |              |     |         |    |     |  |
| All states | 38,212 |  |            | 514 |  |                 | 3,122 |  | All states       | 104,473,291 |  |                   | 1,142,885 |  |                        | 5,977,094 |  | All states   | 70% |         |    | 67% |  |
| Top ten    | 55%    |  |            | 64% |  |                 | 8%    |  | Top ten          | 54%         |  |                   | 55%       |  |                        | 55%       |  | Median       | 74% |         |    | 74% |  |

Some states not reporting

## Five most improved US states

| Fewer daily cases |        | Fewer new deaths |     | Fewer new hospitalizations |      |
|-------------------|--------|------------------|-----|----------------------------|------|
| NY                | -2,271 | PA               | -19 | PA                         | -131 |
| WI                | -591   | CK               | -11 | CA                         | -82  |
| WV                | -175   | TX               | -10 | IL                         | -49  |
| ME                | -2     | WV               | -3  | TN                         | -44  |
| AK                | 0      | WI               | -2  | AZ                         | -40  |

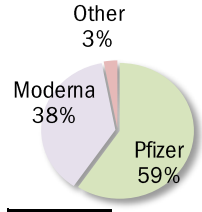


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered     | Cumulative  |       | Today                             |       | Immunity         | Full      | Partial |       |
|------------------|-------------|-------|-----------------------------------|-------|------------------|-----------|---------|-------|
| Doses            | 687,056,320 |       | +0.220 million                    |       | US               | 69.2%     | 81.0%   |       |
|                  |             |       | Of which boosters: +0.157 million |       | UK               | 75.2%     | 79.7%   |       |
|                  | One dose    | % Pop | Immune                            | % pop | New immune today | France    | 78.4%   | 80.6% |
| Total population | 277,638,793 | 83%   | 236,656,371                       | 71%   | +0.030 million   | Spain     | 85.6%   | 86.9% |
| Age 12 to 17     | 18,464,819  | 73%   | 15,803,584                        | 62%   | +0.002 million   | Germany   | 76.2%   | 77.8% |
| Age 18 to 64     | 184,583,588 | 91%   | 156,864,729                       | 77%   | +0.016 million   | Italy     | 81.3%   | 86.2% |
| Age 65 and over  | 61,066,754  | 100%  | 53,495,666                        | 98%   | +0.005 million   | Australia | 82.7%   | 85.0% |
|                  |             |       |                                   |       |                  | Israel    | 65.2%   | 71.1% |
|                  |             |       |                                   |       |                  | Canada    | 82.6%   | 90.4% |
|                  |             |       |                                   |       |                  | Japan     | 83.3%   | 84.4% |
|                  |             |       |                                   |       |                  | Africa    | 28.2%   | 34.2% |
|                  |             |       |                                   |       |                  | India     | 67.2%   | 72.5% |
|                  |             |       |                                   |       |                  | Brazil    | 81.6%   | 87.8% |
|                  |             |       |                                   |       |                  | China     | 89.5%   | 91.9% |



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

"Immunity" = two doses

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

|       |
|-------|
| WI    |
| 75.1% |
| 68.2% |

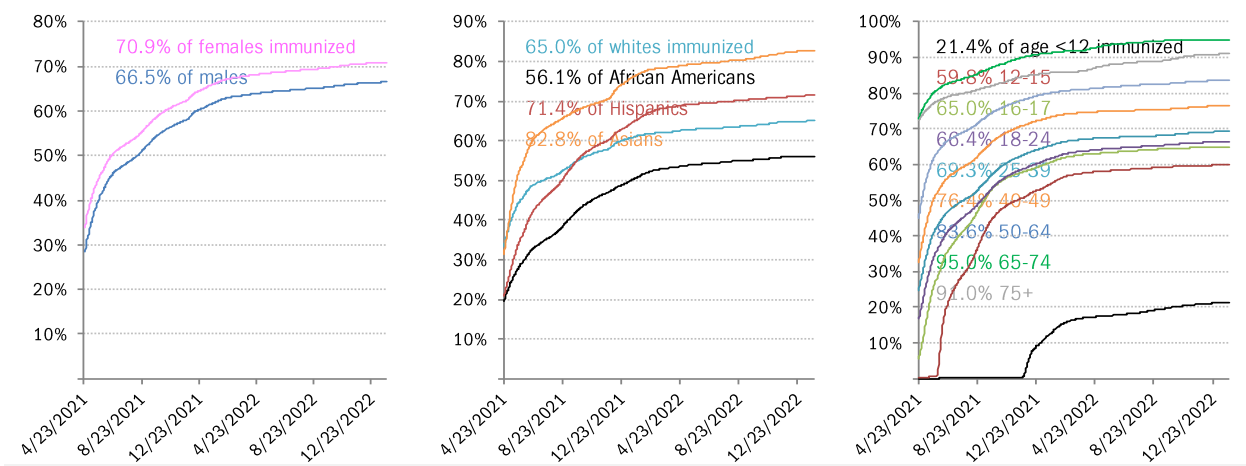
As of Feb 10

|       |
|-------|
| ME    |
| 95.0% |
| 83.3% |

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| WA    | ID    | MT    | ND    | MN    | IL    | MI    | NY    | VT    | NH    |       |
| 85.2% | 63.9% | 68.2% | 69.3% | 78.8% | 79.1% | 69.4% | 94.4% | 95.0% | 88.1% |       |
| 76.0% | 56.4% | 59.1% | 58.6% | 72.1% | 71.3% | 62.3% | 80.8% | 85.6% | 71.9% |       |
| OR    | NV    | WY    | SD    | IA    | IN    | OH    | PA    | NJ    | MA    |       |
| 81.6% | 77.6% | 60.8% | 83.8% | 70.6% | 64.4% | 65.7% | 90.5% | 94.6% | 95.0% |       |
| 72.4% | 63.7% | 53.0% | 66.2% | 64.3% | 57.7% | 60.4% | 73.3% | 79.1% | 84.2% |       |
| CA    | UT    | CO    | NE    | MO    | KY    | WV    | VA    | MD    | CT    | RI    |
| 84.7% | 75.3% | 83.6% | 73.4% | 69.3% | 68.8% | 67.5% | 91.0% | 91.7% | 95.0% | 95.0% |
| 74.6% | 66.7% | 73.5% | 66.2% | 59.0% | 59.6% | 59.7% | 76.6% | 79.7% | 83.0% | 87.7% |
|       | AZ    | NM    | KS    | AR    | TN    | NC    | SC    | DC    | DE    |       |
|       | 77.5% | 94.4% | 76.2% | 69.9% | 64.4% | 92.2% | 71.0% | 95.0% | 88.2% |       |
|       | 66.0% | 75.2% | 65.3% | 56.8% | 56.2% | 67.1% | 59.9% | 90.3% | 73.3% |       |
|       |       |       | OK    | LA    | MS    | AL    | GA    |       |       |       |
|       |       |       | 74.6% | 62.8% | 61.6% | 65.0% | 68.4% |       |       |       |
|       |       |       | 60.4% | 55.0% | 53.7% | 53.1% | 57.3% |       |       |       |
|       |       |       | TX    |       |       |       |       | FL    |       | PR    |
|       |       |       | 76.4% |       |       |       |       | 82.4% |       | 90.9% |
|       |       |       | 63.2% |       |       |       |       | 69.4% |       | 84.0% |

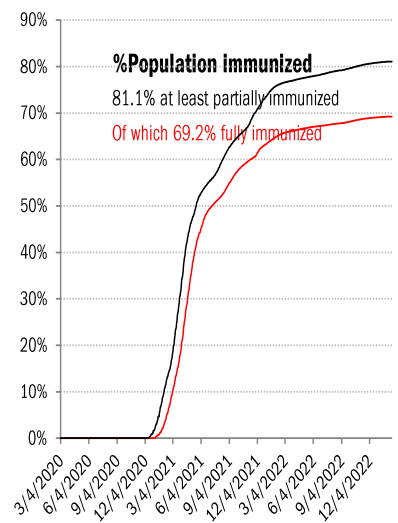
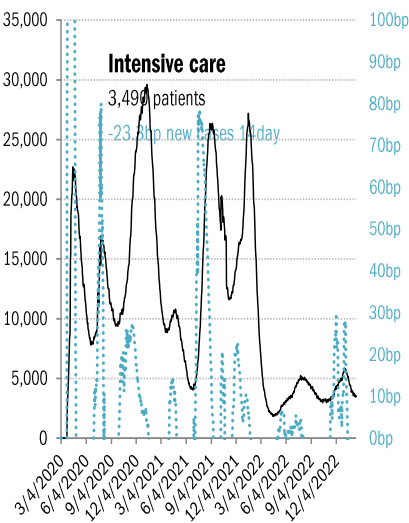
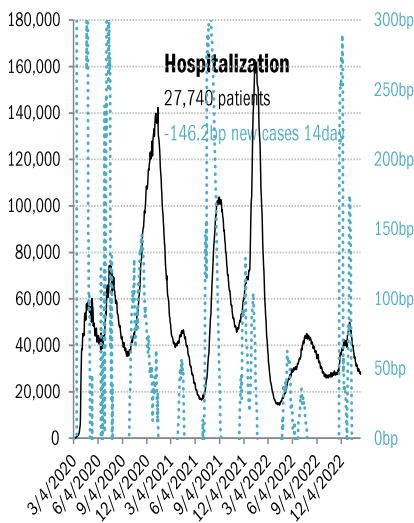
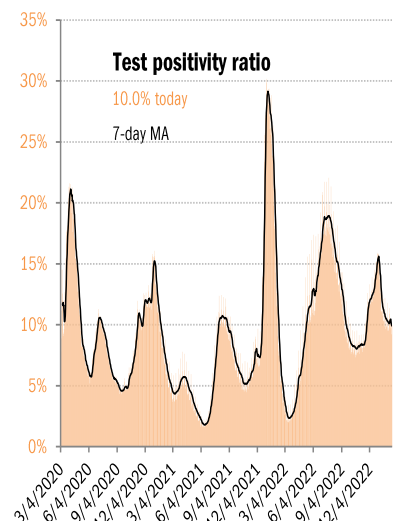
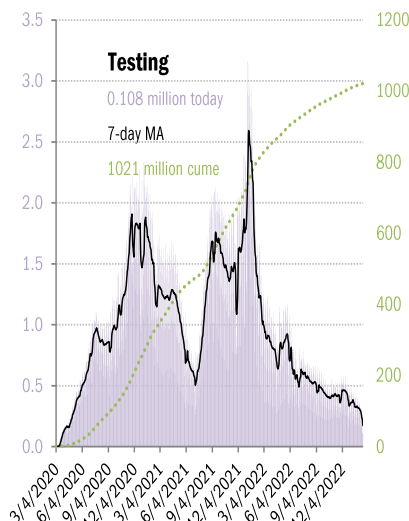
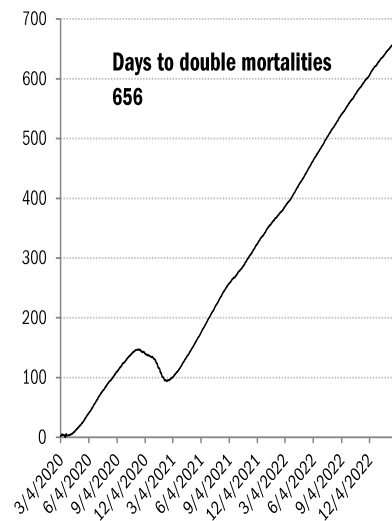
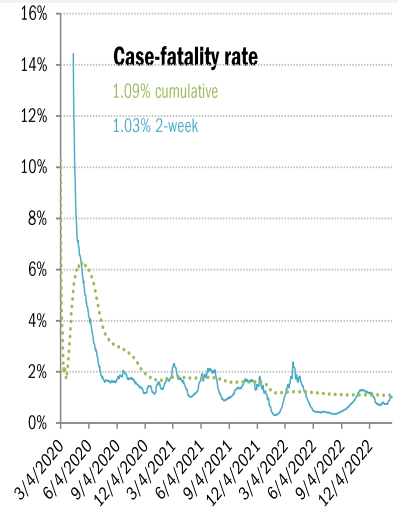
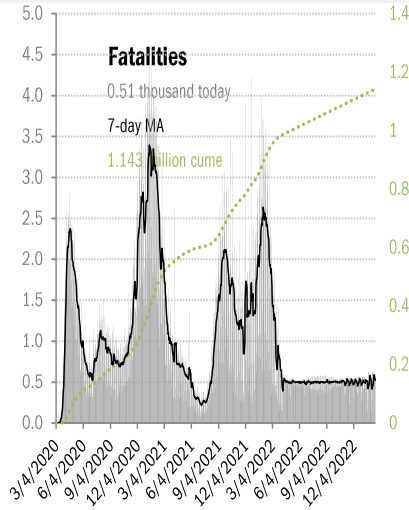
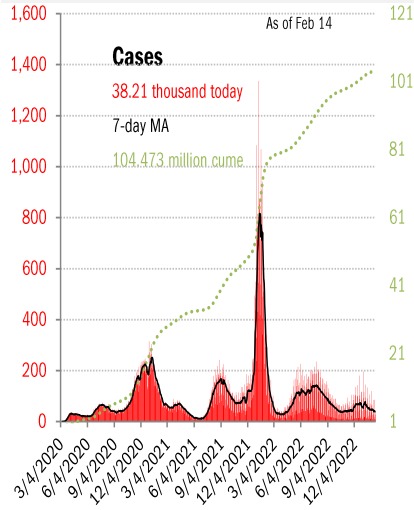
|       |
|-------|
| HI    |
| 91.4% |
| 81.5% |

## The demographics of US vaccination

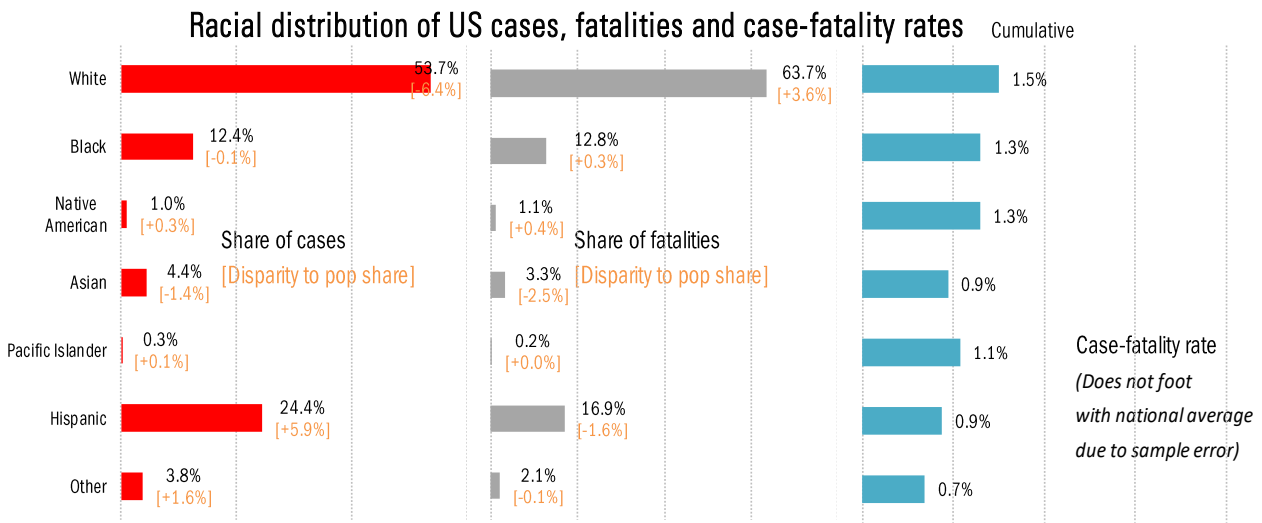
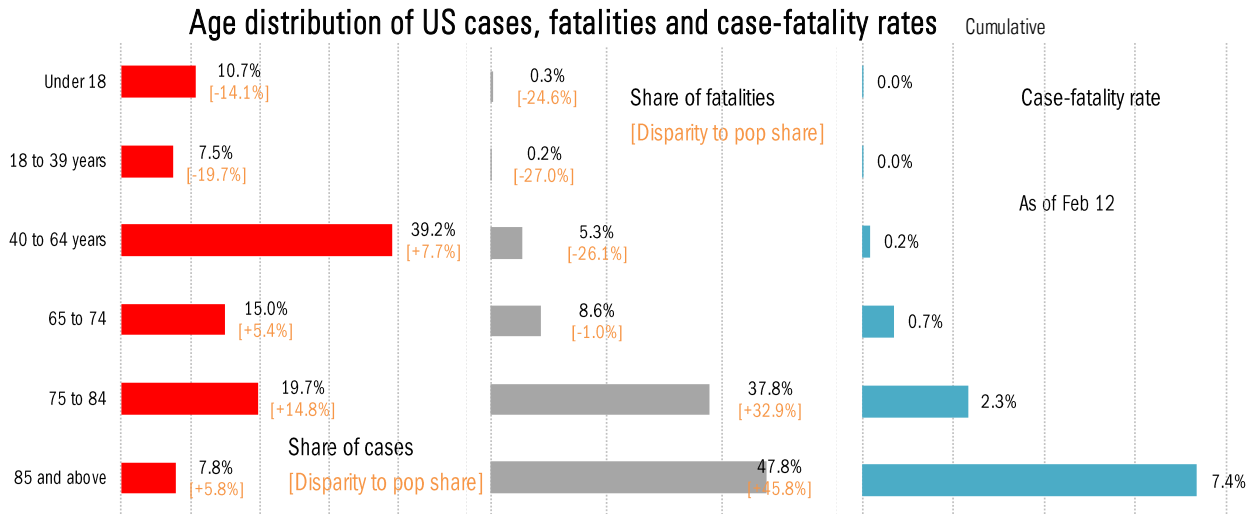


Source: CDC, CDC, Our World in Data, TrendMacro calculations

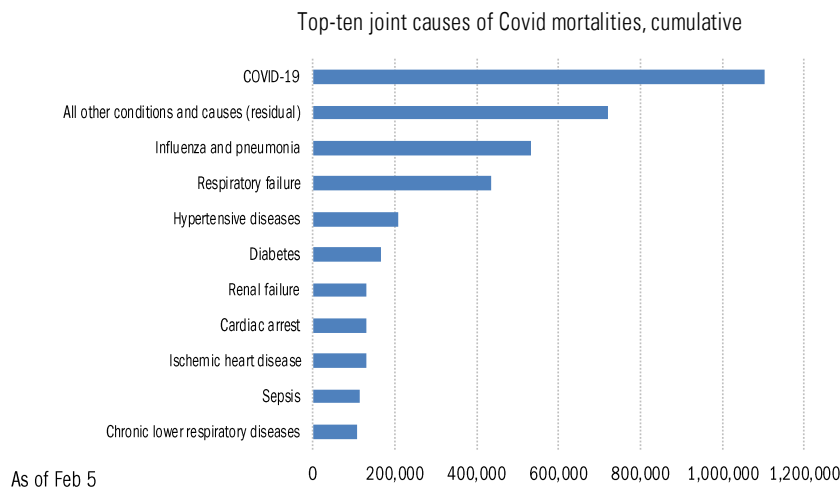
# US deep-dive



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

[Covid-19: Will the Political and Health Scandals Erupt into the Public Light?](#)

Finn Andreen

*Mises Institute*

February 14, 2023

## Meme of the Day

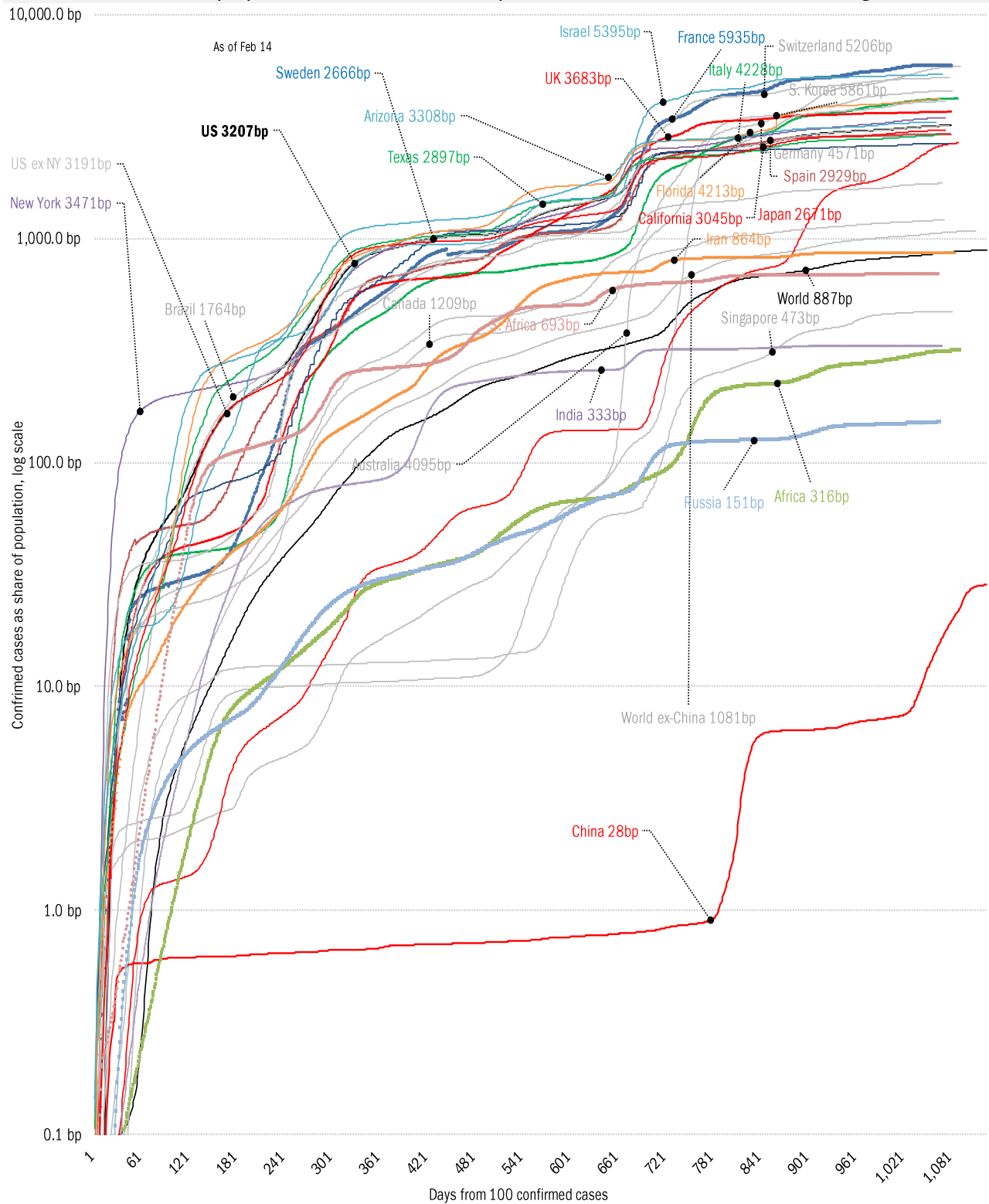


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



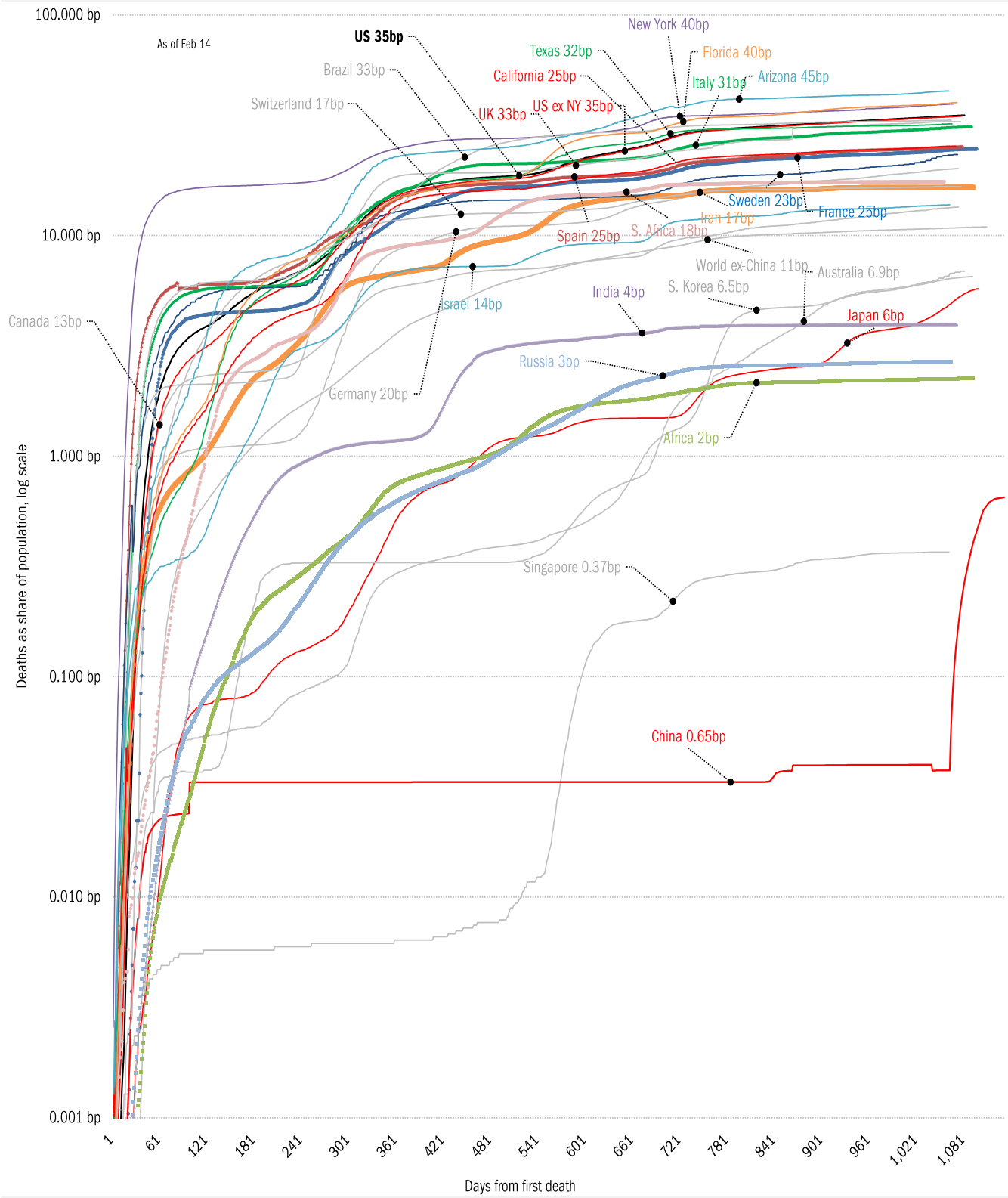
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*



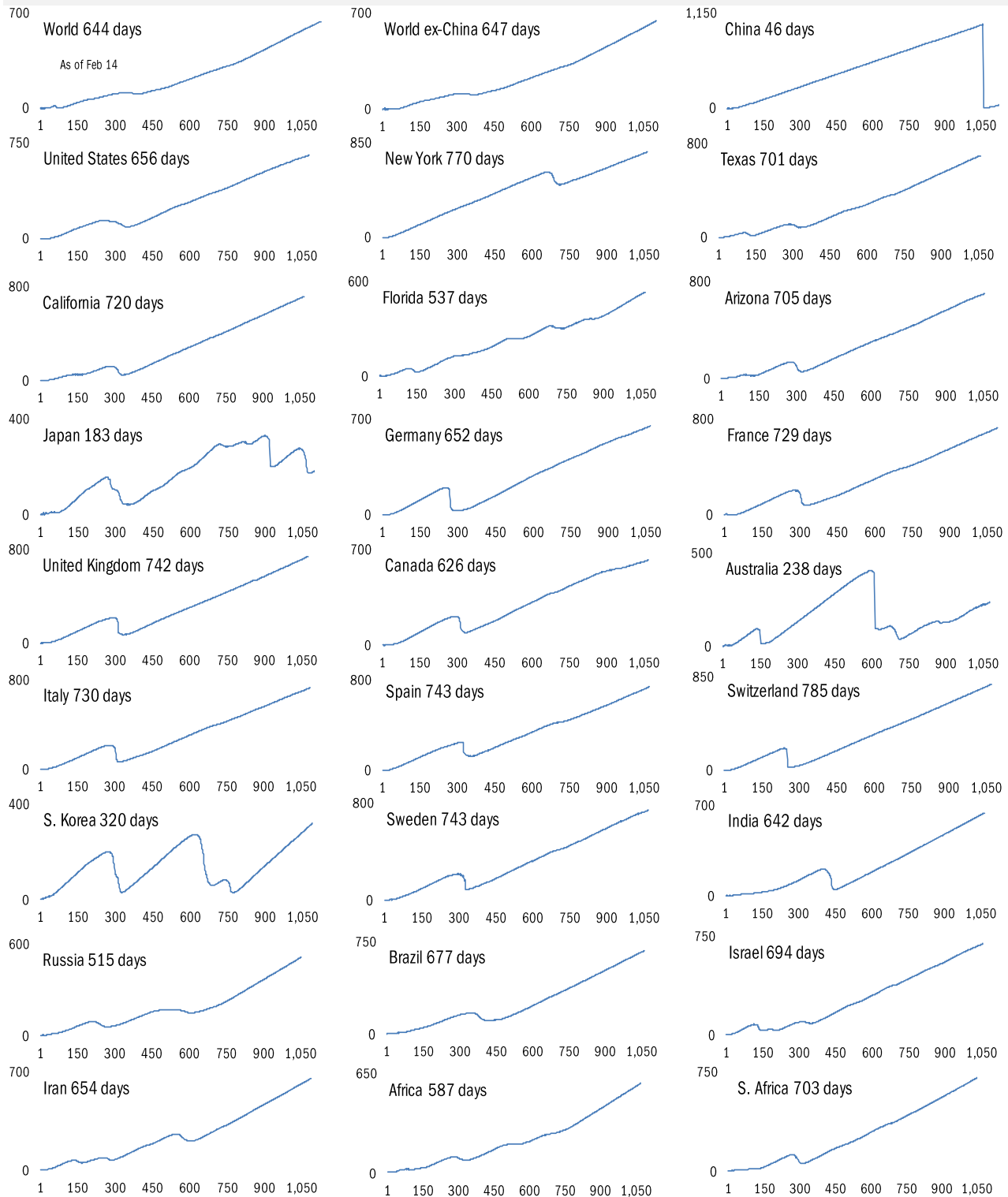
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

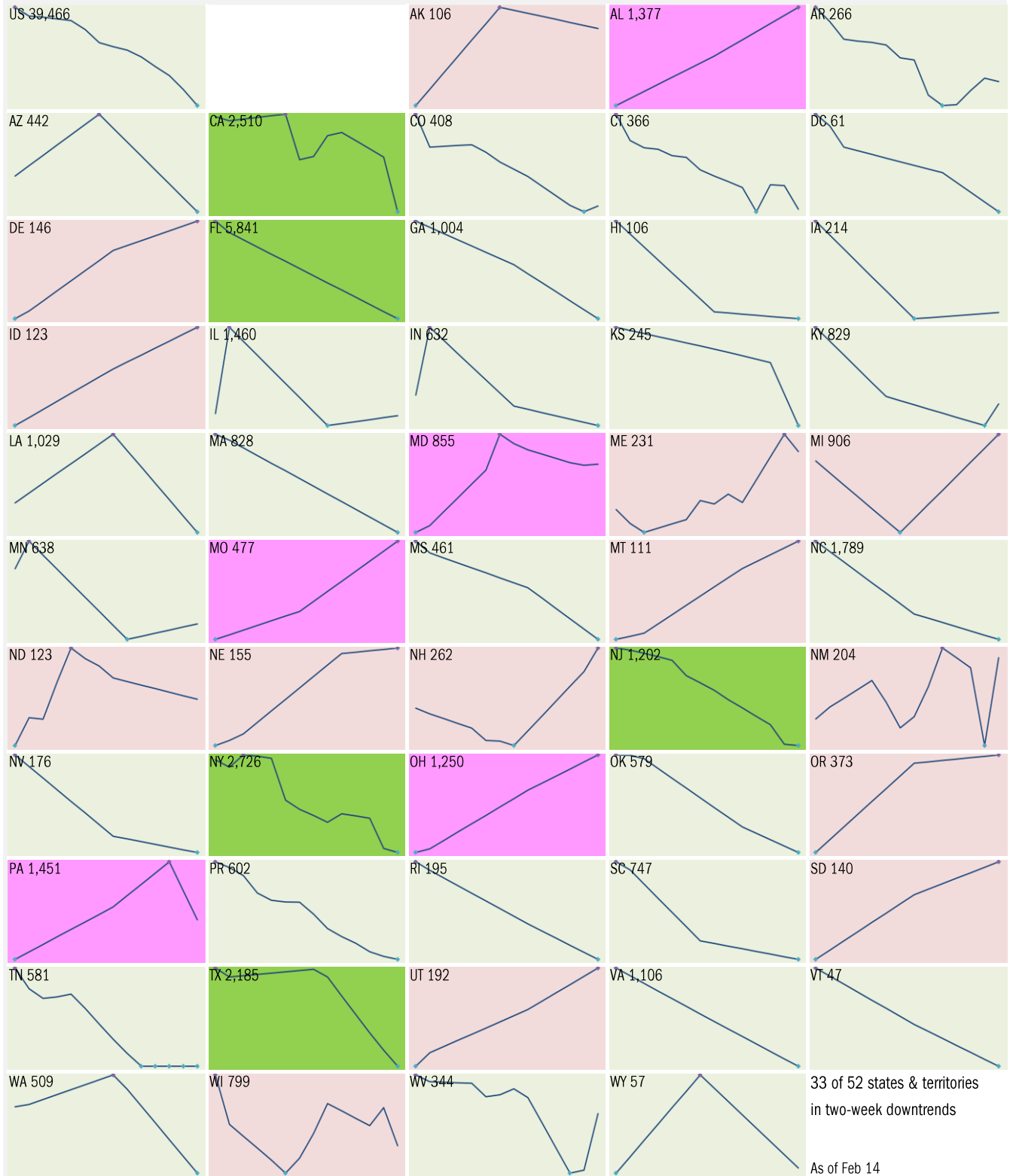


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

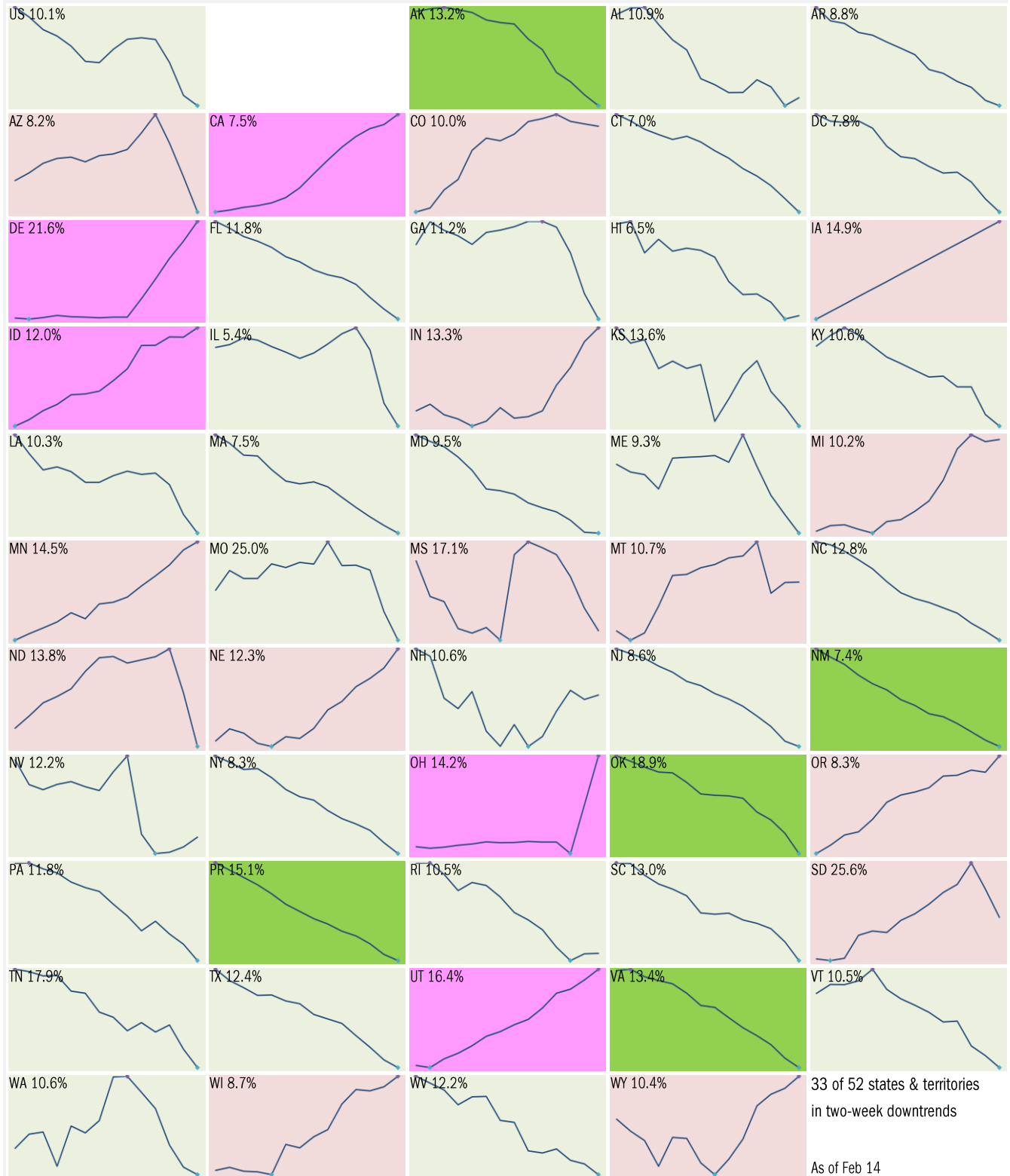


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

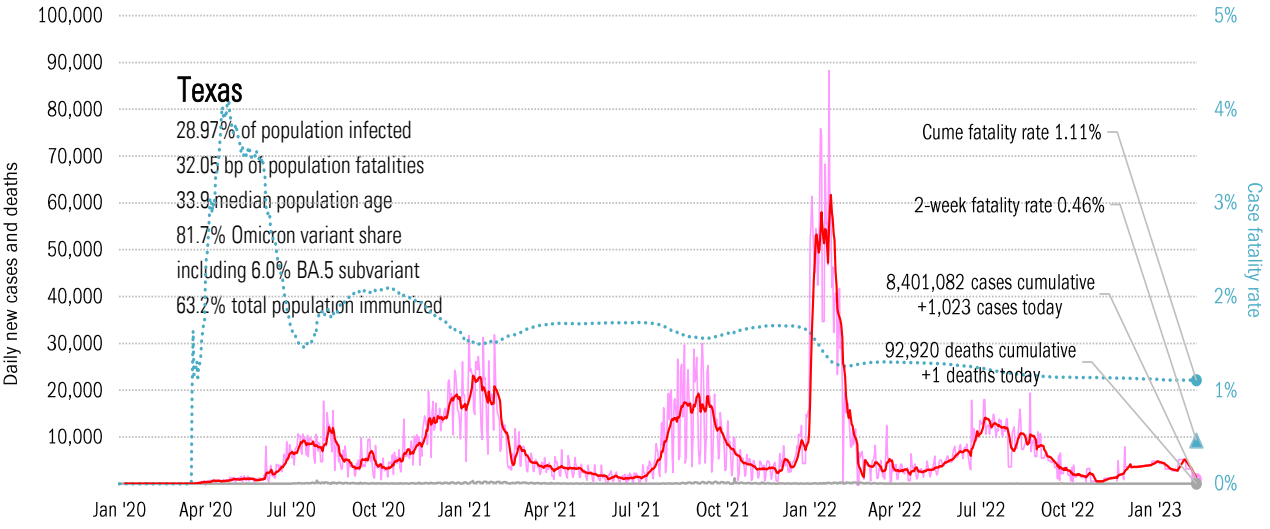
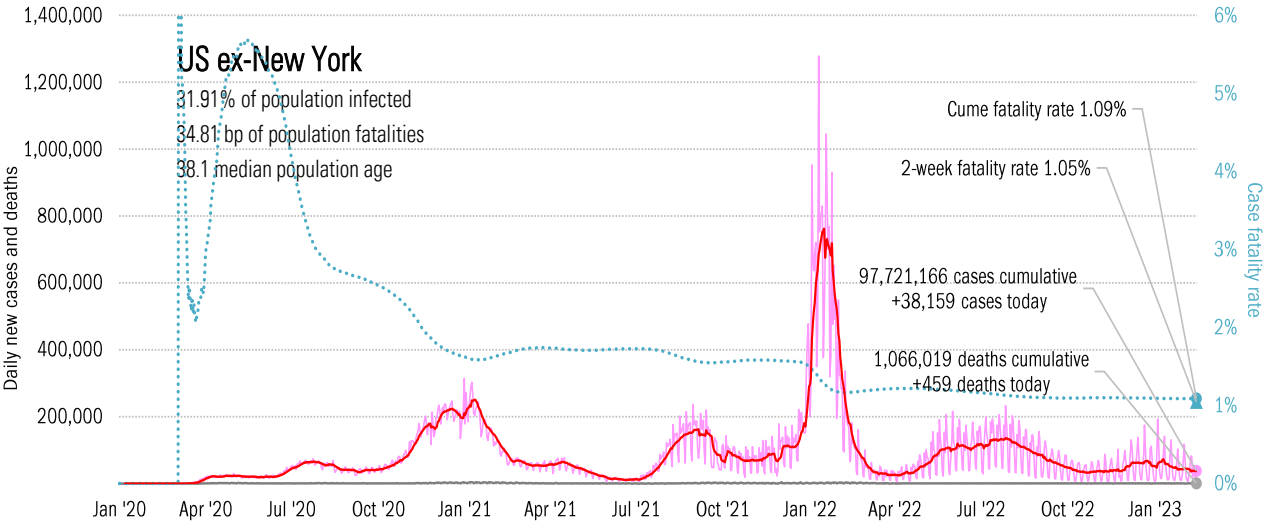
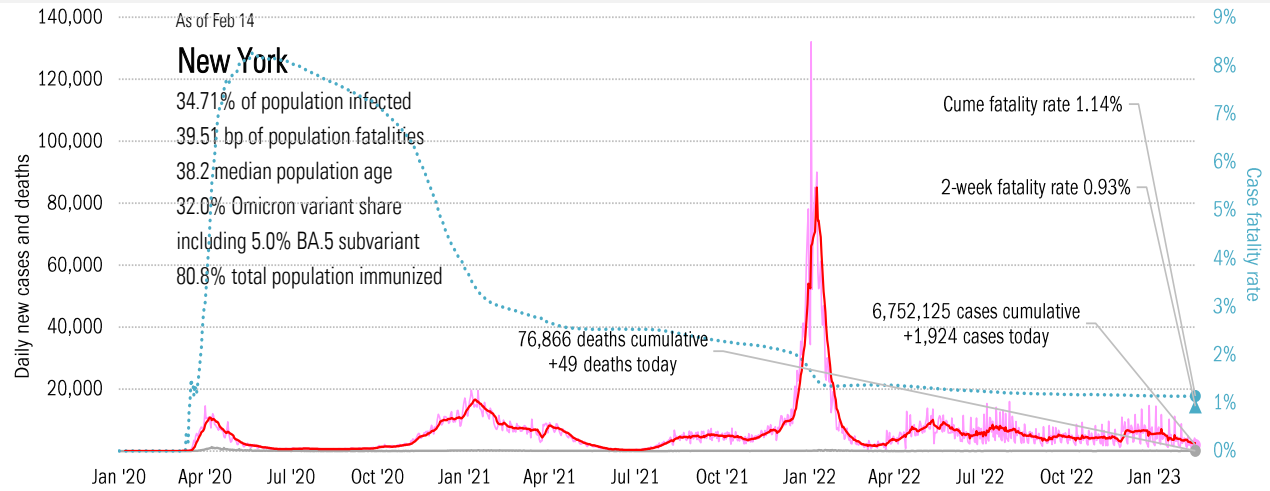
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://www.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

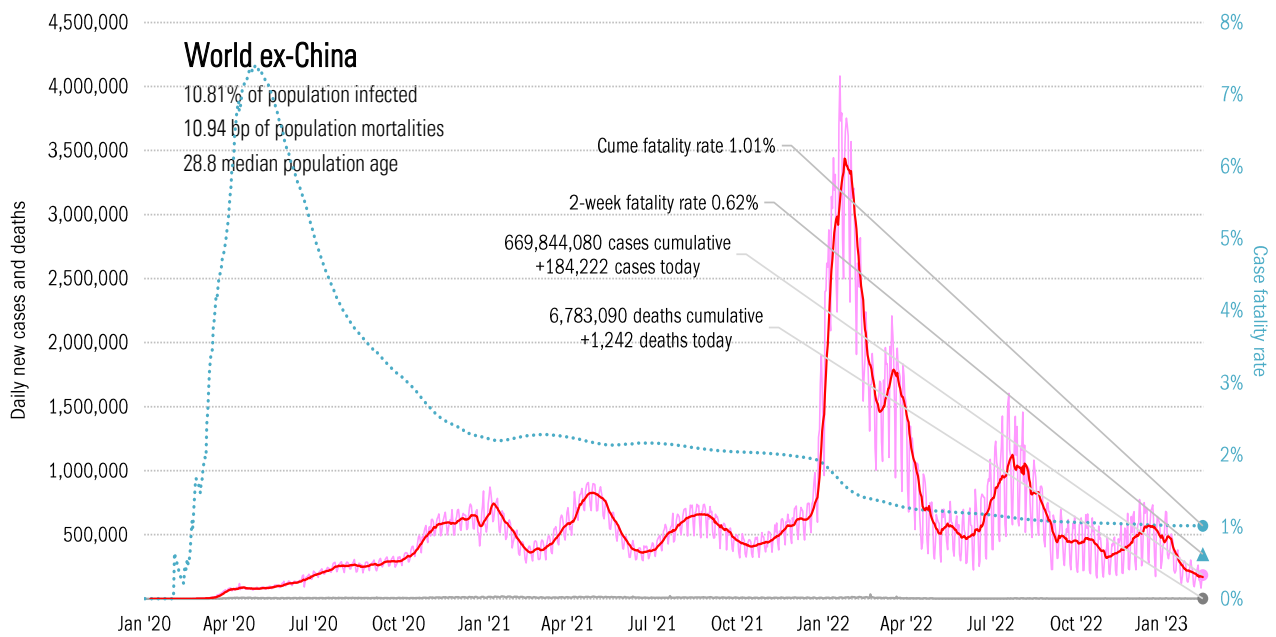
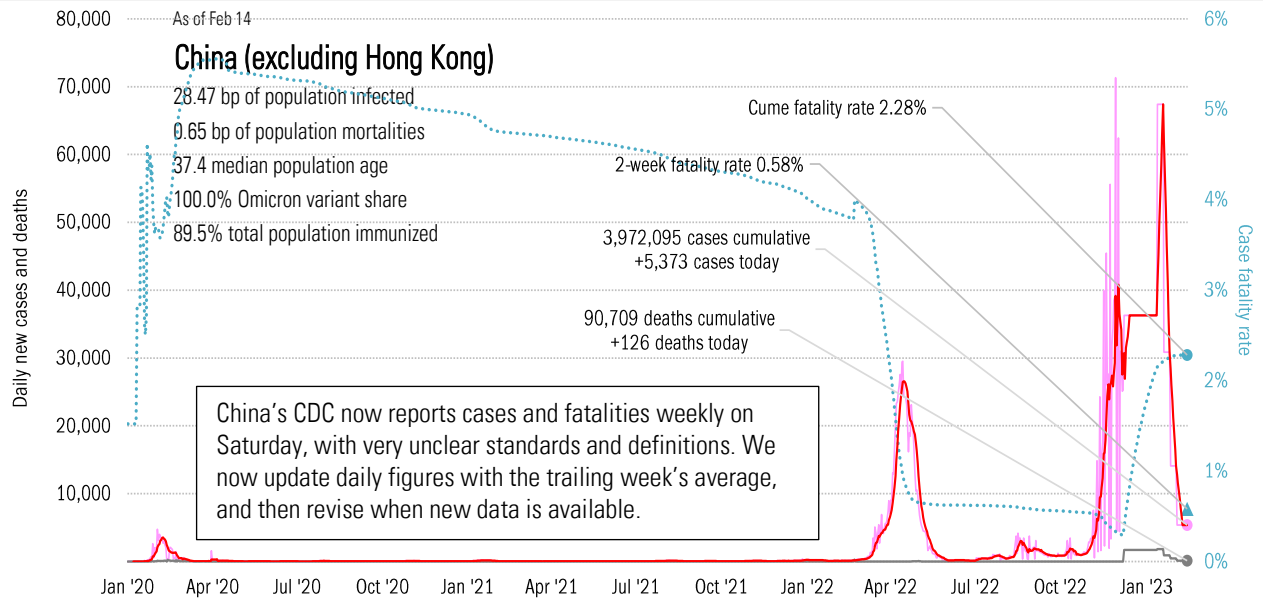
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

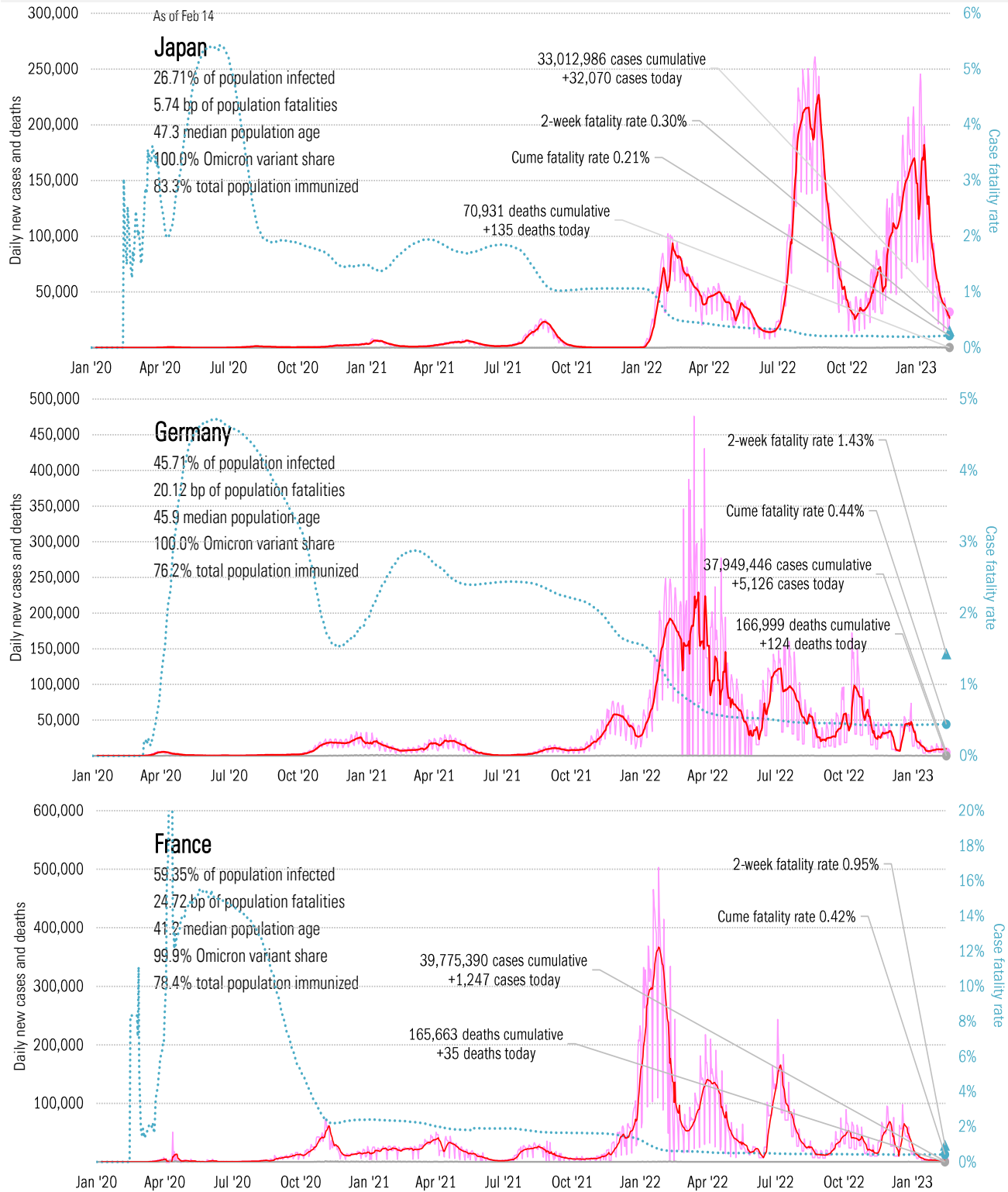


Source: [Johns Hopkins](#), [China CDC](#), TrendMacro calculations



# Impact in the largest economies

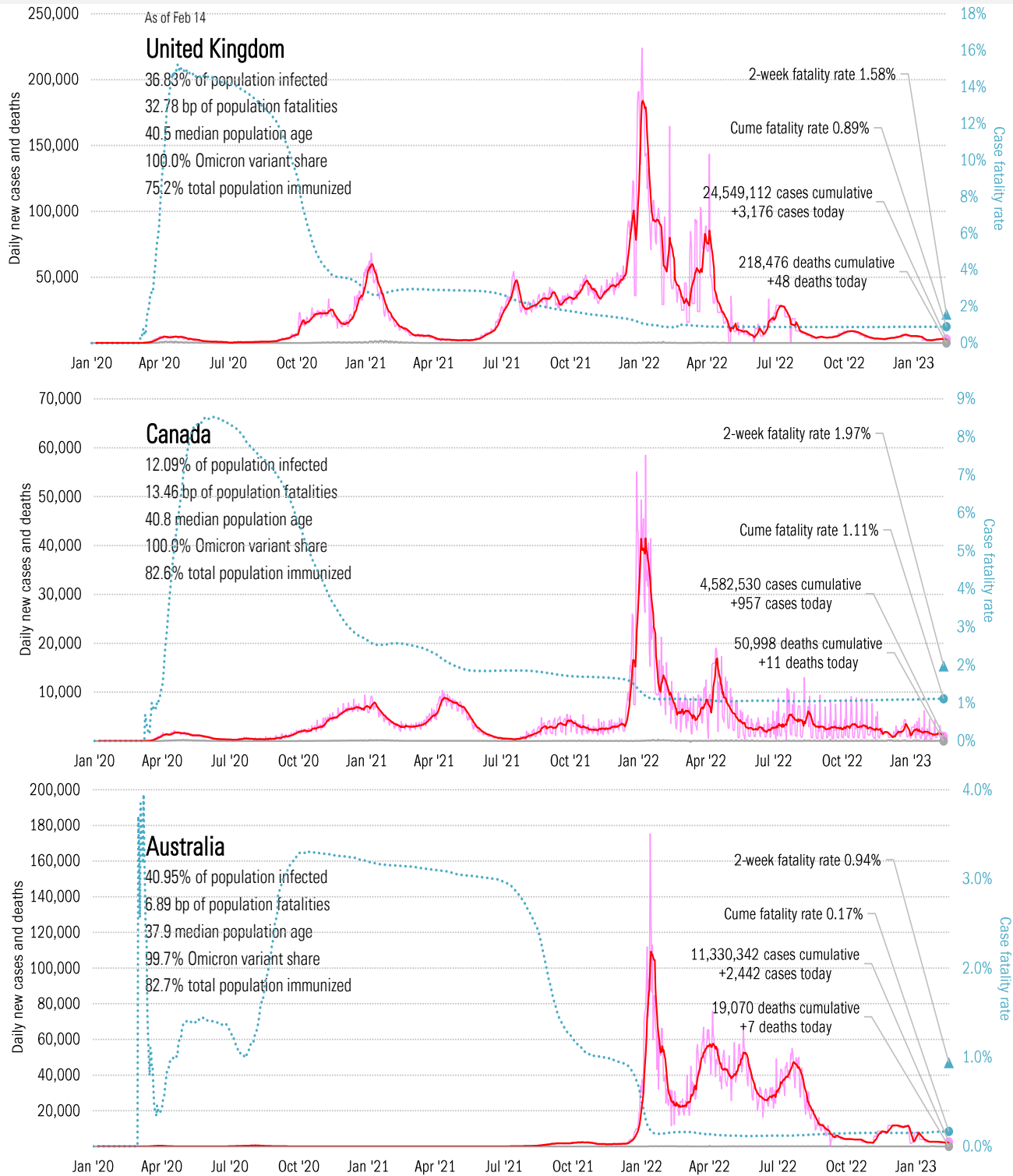
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

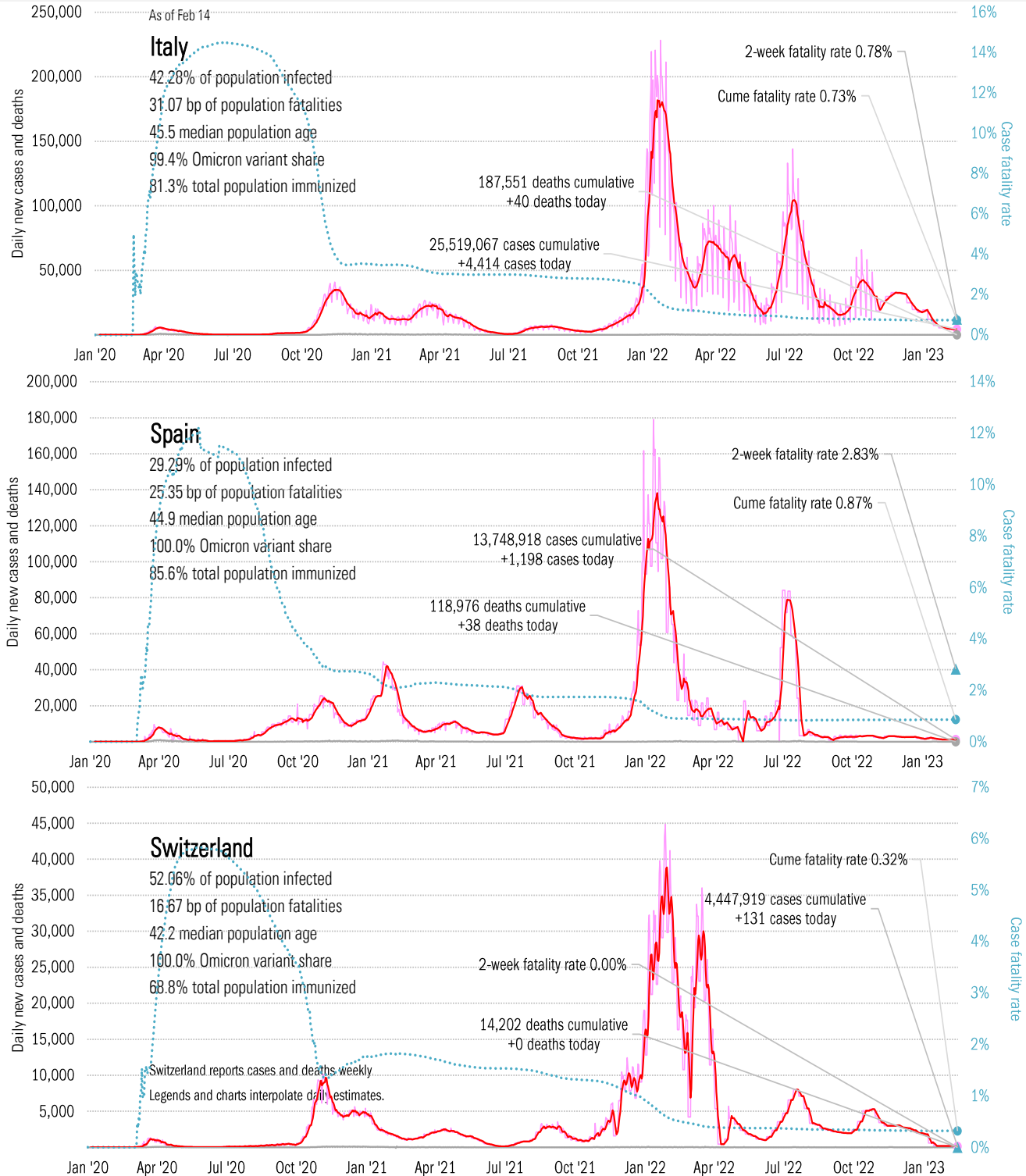
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

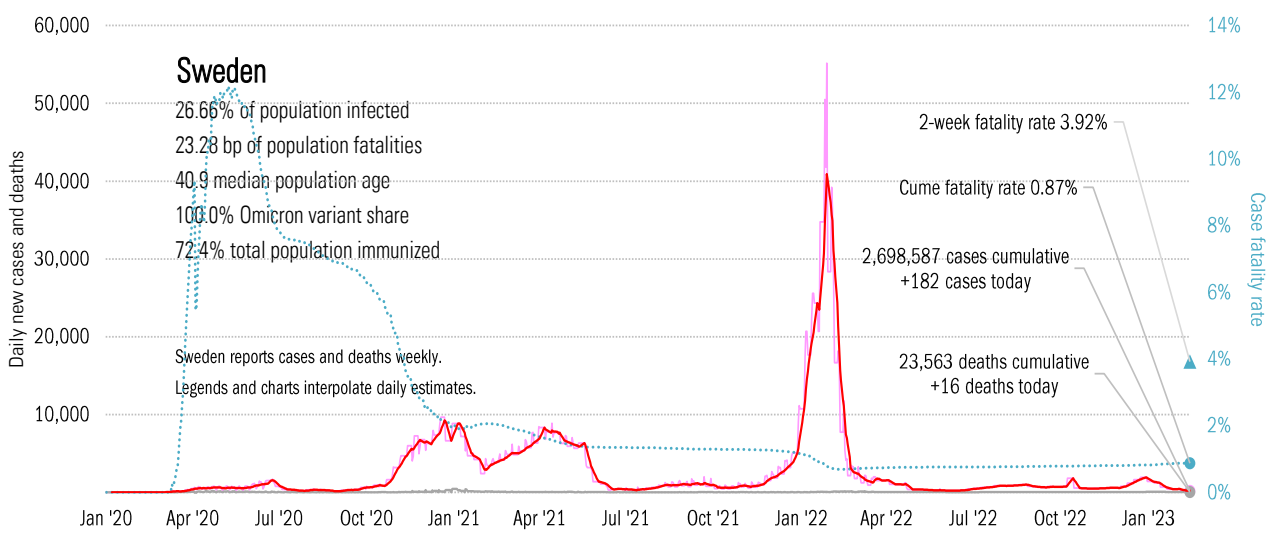
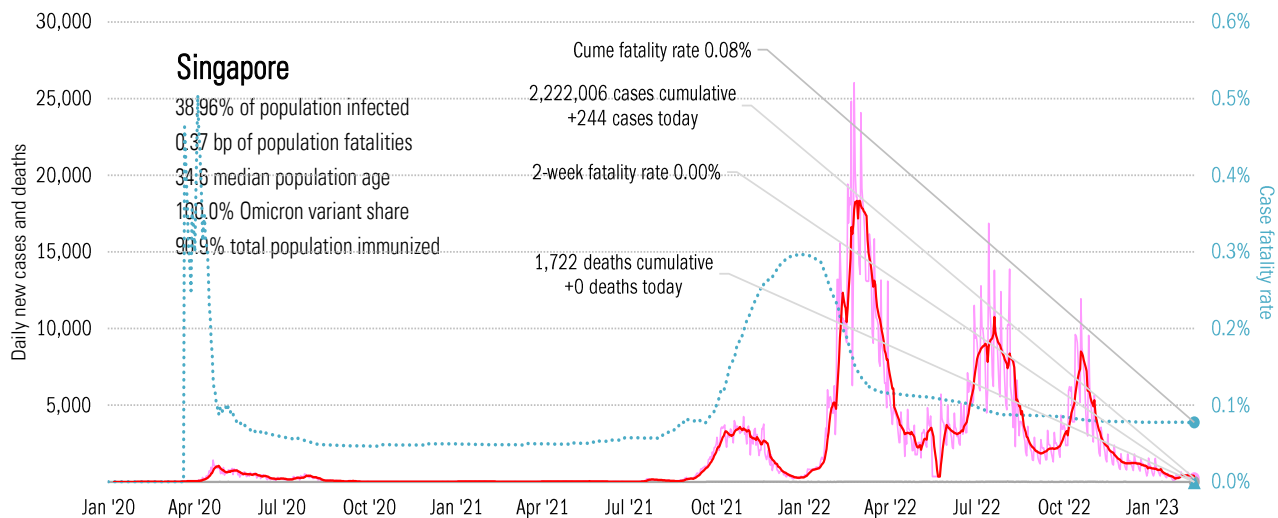
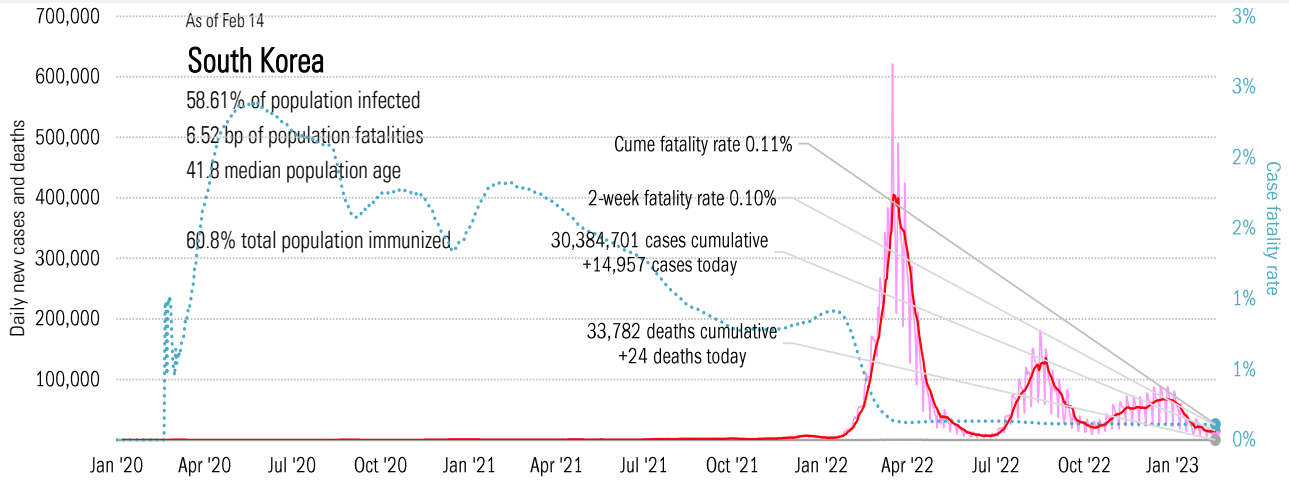
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

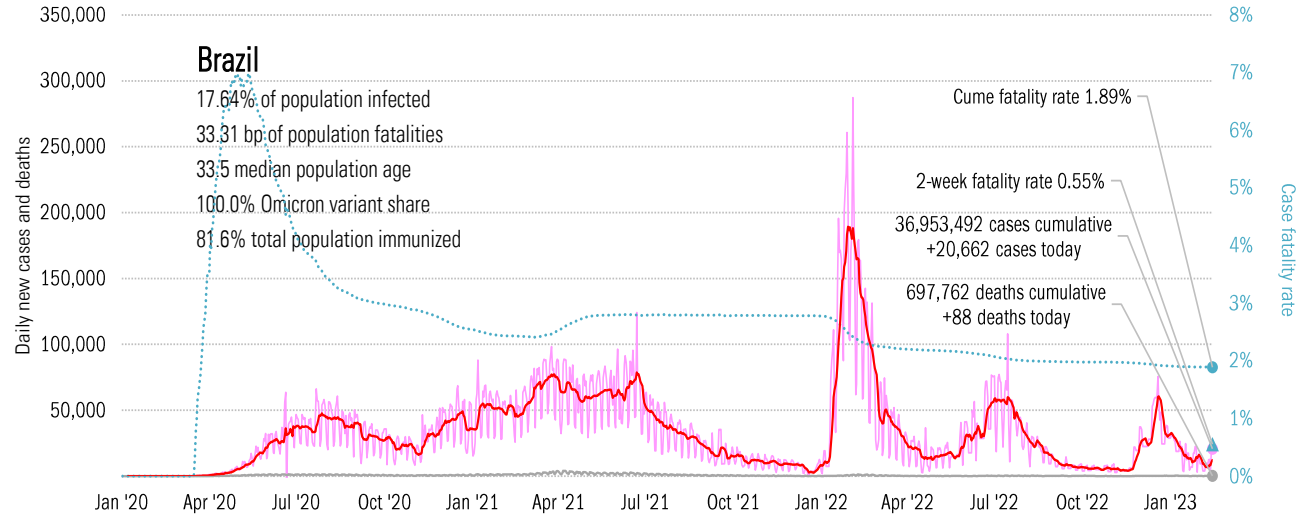
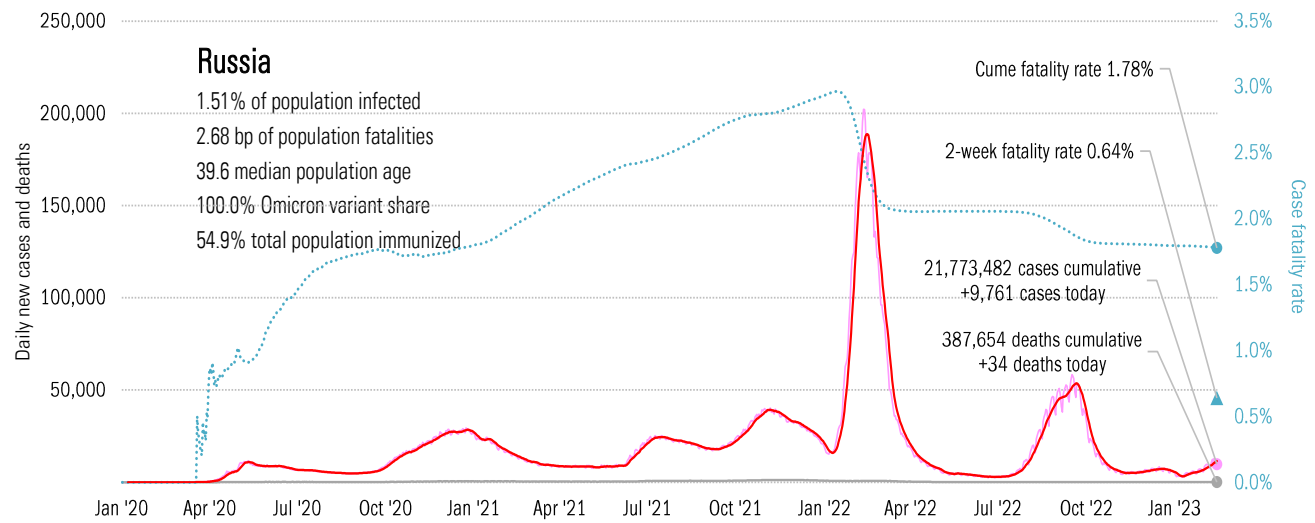
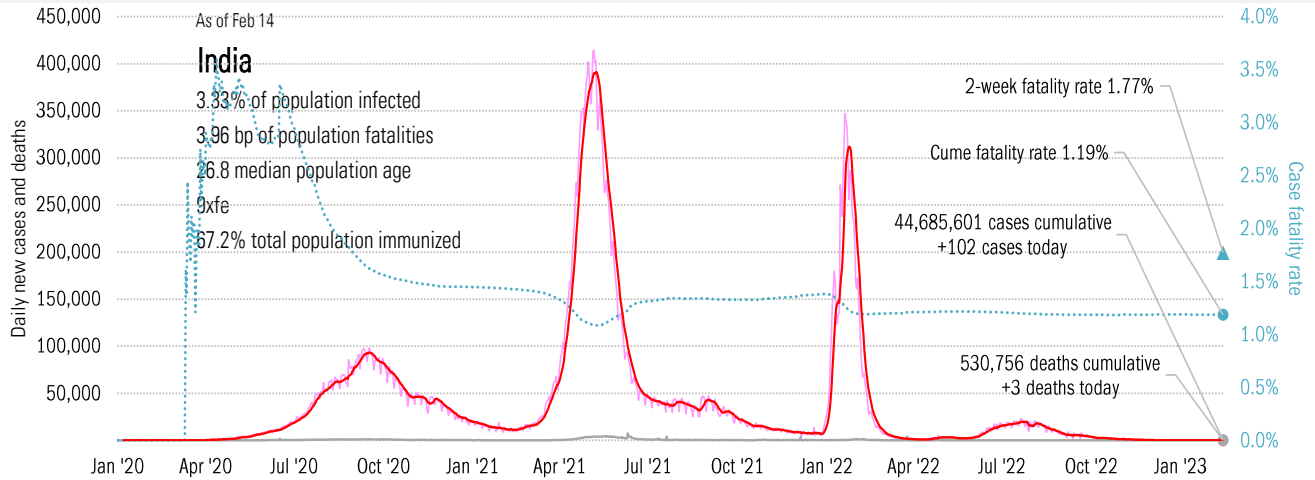
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

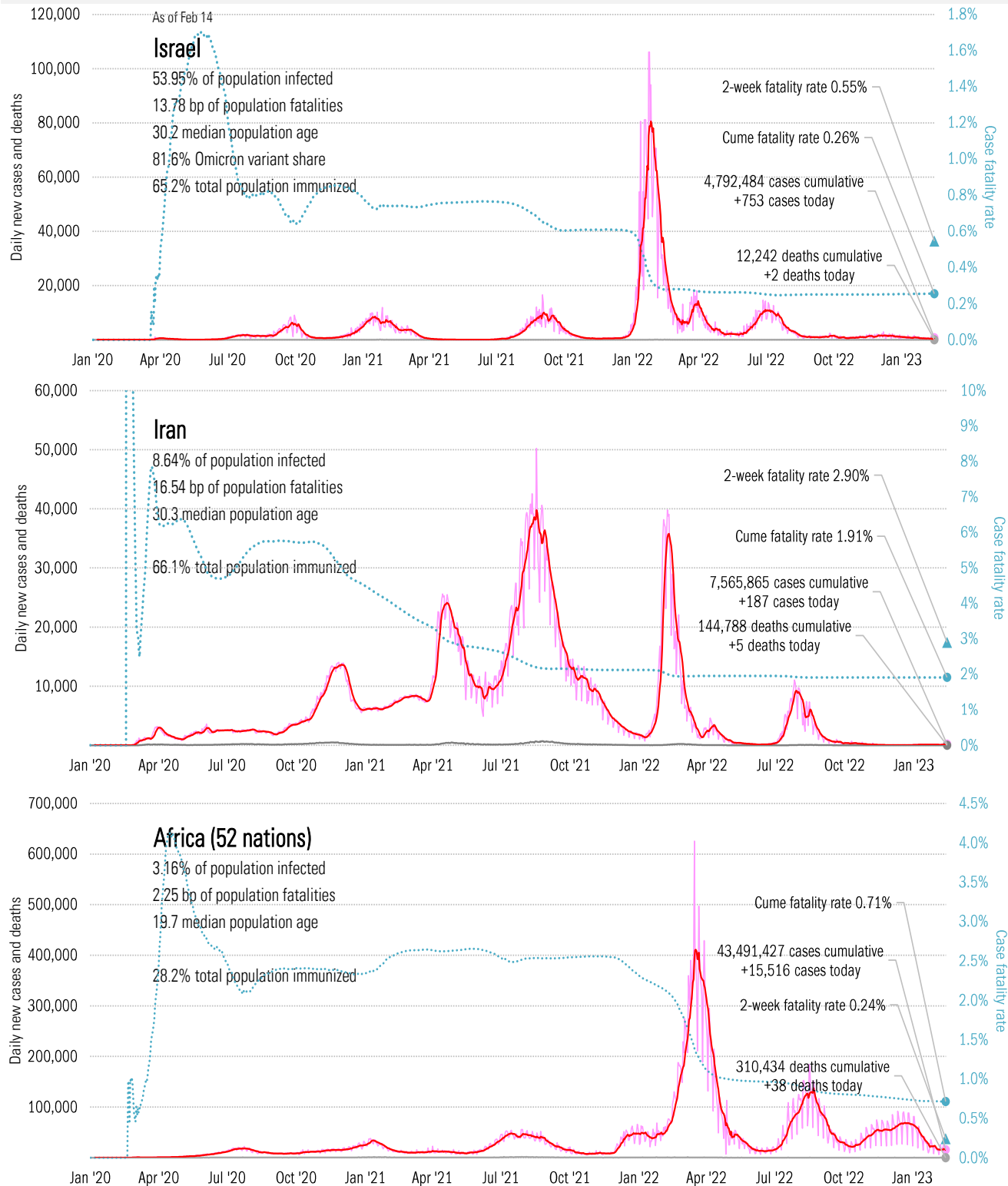
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

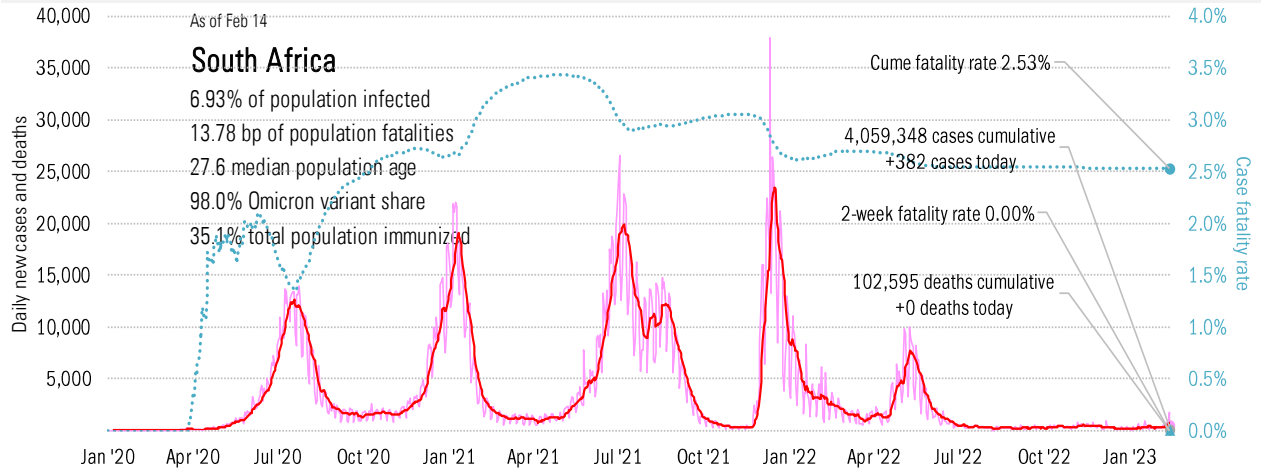


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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