

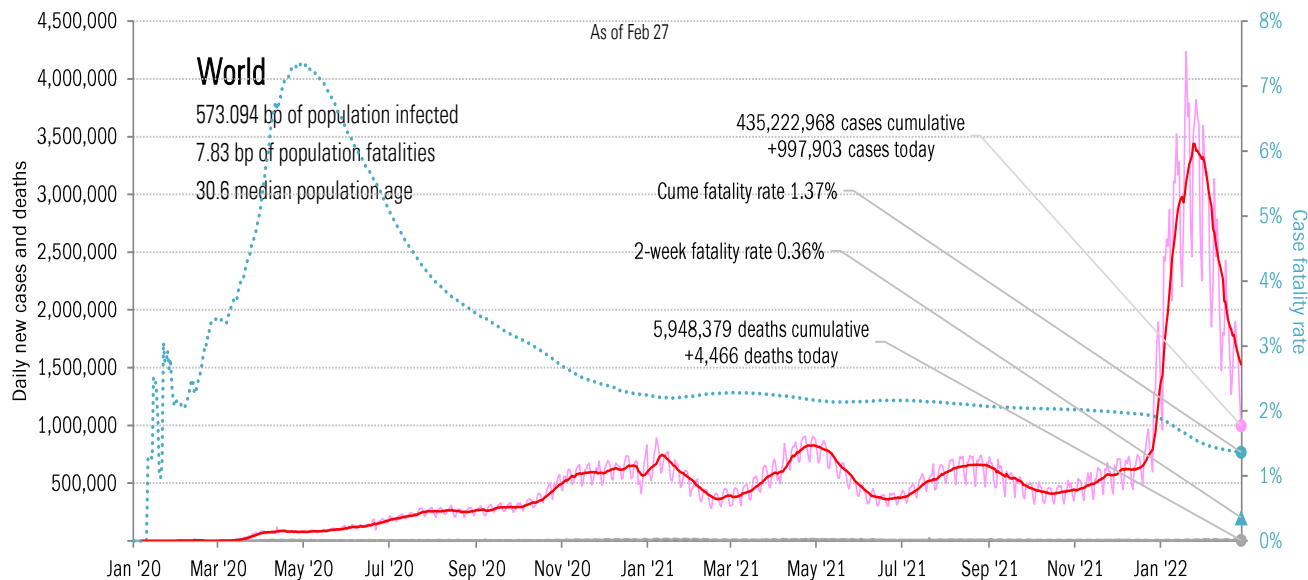
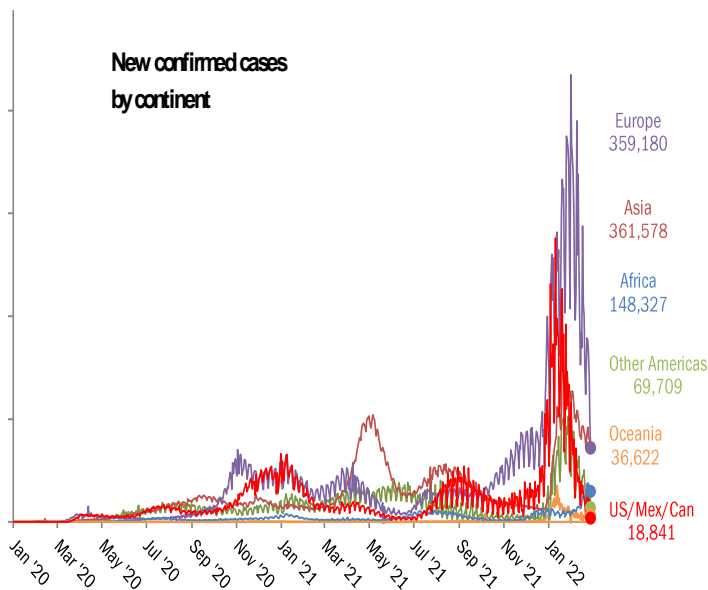
Data Insights: Covid-2019 Monitor

Monday, February 28, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

| The worst ten countries | | | |
|-------------------------|---------|---------------|-------|
| New cases | | New Deaths | |
| Korea, South | 139,615 | Russia | 756 |
| Russia | 114,610 | United States | 309 |
| Vietnam | 101,828 | Brazil | 253 |
| Japan | 63,623 | Iran | 241 |
| Turkey | 49,792 | Indonesia | 229 |
| Germany | 47,103 | Turkey | 206 |
| France | 42,600 | Italy | 144 |
| Indonesia | 34,976 | Japan | 144 |
| Italy | 31,878 | Peru | 131 |
| Brazil | 27,242 | Chile | 130 |
| 653,267 | | 2,543 | |
| World | 997,903 | World | 4,466 |
| Top ten | 65% | Top ten | 57% |



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

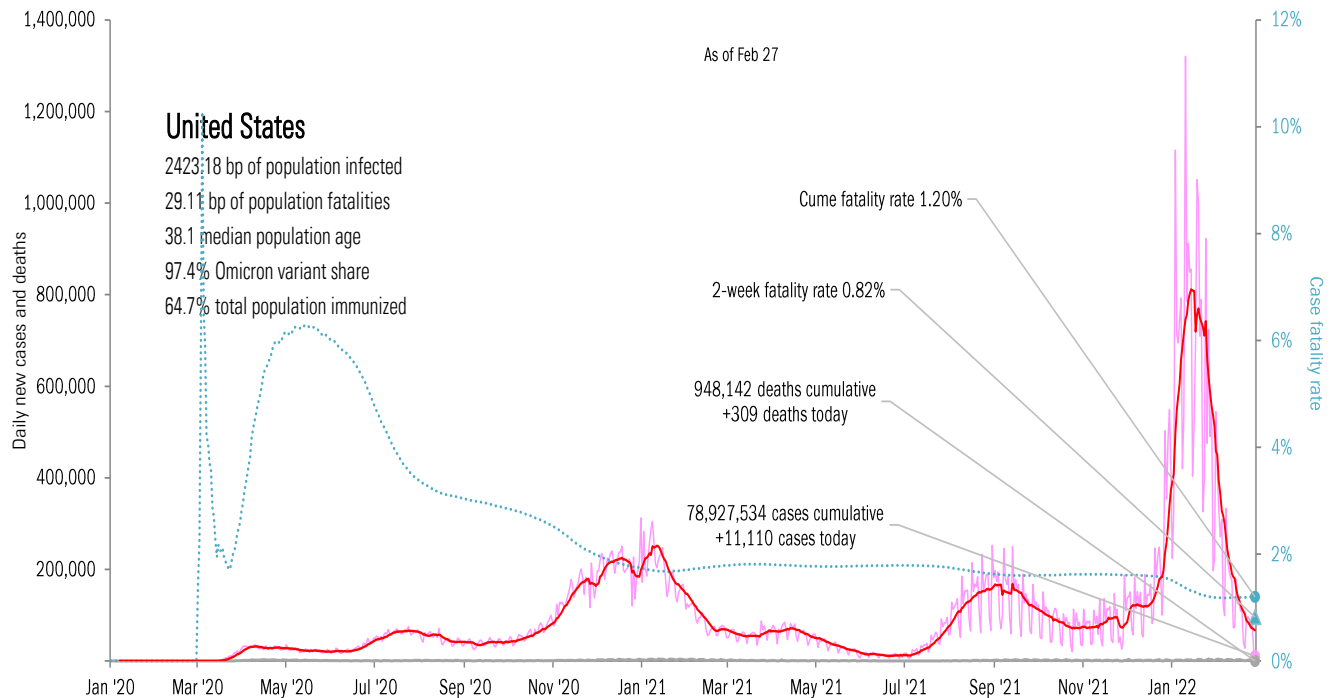
The ten worst US states

| New cases | | | New Deaths | | | New in hospital | | | Curre cases | | | Curre deaths | | | Curre in hospital | | | Hospital use | | ICU use | |
|------------|--------|--|------------|-----|--|-----------------|-----|--|-------------|------------|--|--------------|--------|--|-------------------|---------|--|--------------|-----|---------|-----|
| FL | 3,646 | | FL | 127 | | GA | 266 | | CA | 8,961,636 | | CA | 85,043 | | TX | 480,205 | | RI | 87% | AL | 88% |
| NY | 2,116 | | TN | 69 | | WV | 26 | | TX | 6,613,134 | | TX | 84,843 | | CA | 414,339 | | MA | 84% | NM | 88% |
| NJ | 1,274 | | TX | 68 | | NC | 20 | | FL | 5,832,560 | | FL | 69,535 | | FL | 408,285 | | WV | 83% | TX | 87% |
| TX | 942 | | NY | 44 | | VI | 18 | | NY | 4,924,032 | | NY | 67,344 | | NY | 240,911 | | WA | 83% | MS | 85% |
| PA | 816 | | AR | 32 | | KS | 12 | | IL | 3,026,737 | | PA | 43,215 | | GA | 201,870 | | GA | 83% | AK | 84% |
| CH | 577 | | MD | 14 | | MA | 12 | | PA | 2,756,546 | | CH | 36,580 | | CH | 187,808 | | MN | 83% | KY | 84% |
| AR | 495 | | PA | 12 | | IN | 10 | | CH | 2,653,211 | | GA | 35,316 | | PA | 172,967 | | DC | 82% | GA | 82% |
| MD | 381 | | NJ | 6 | | MD | 9 | | NC | 2,583,404 | | IL | 35,087 | | IL | 154,093 | | MD | 82% | OK | 82% |
| AL | 358 | | FR | 5 | | CO | 8 | | GA | 2,462,663 | | MI | 34,477 | | MI | 138,345 | | MO | 81% | WA | 82% |
| FR | 214 | | MP | 1 | | TX | 8 | | MI | 2,357,955 | | NJ | 32,894 | | KY | 138,153 | | NH | 80% | NV | 82% |
| 10,819 | | | 378 | | | 389 | | | 42,171,878 | | | 524,334 | | | 2,536,976 | | | | | | |
| All states | 11,110 | | 309 | | | -10 | | | All states | 78,927,534 | | 948,142 | | | 4,601,606 | | | All states | 70% | 67% | |
| Top ten | 97% | | 122% | | | -3890% | | | Top ten | 53% | | 55% | | | 55% | | | Median | 77% | 75% | |

Some states not reporting

Five most improved US states

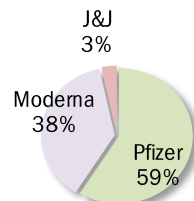
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | | Most pop immunity growth | |
|-------------------|--------|------------------|-----|----------------------------|-----|--------------------------|--------|
| FL | -6,561 | TX | -73 | LA | -16 | AZ | +10 bp |
| TX | -3,718 | CA | -63 | VT | -13 | CA | +10 bp |
| CA | -2,146 | PA | -43 | ME | -11 | CT | +10 bp |
| TN | -1,983 | AL | -39 | DE | -10 | DE | +10 bp |
| AZ | -1,638 | NJ | -25 | NV | -10 | FL | +10 bp |



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

Rolling out the vaccines in the US and the world

| Administered | Cumulative | Today | Immunity | Full | Partial |
|------------------|-----------------|----------------|---------------|--------------|-------------------------|
| Doses | 567,451,601 | +0.508 million | US | 64.7% | 76.3% |
| Boosters | 95,245,224 | +0.197 million | UK | 71.8% | 77.1% |
| | One dose | % Pop | Immune | % pop | New immune today |
| Total population | 261,016,743 | 78% | 221,668,313 | 66% | +0.140 million |
| Age 12 to 17 | 17,309,123 | 68% | 11,868,313 | 68% | 0.000 million |
| Age 18 to 64 | 175,961,819 | 87% | 149,668,313 | 85% | 0.000 million |
| Age 65 and over | 58,174,836 | 100% | 51,131,694 | 87% | 0.000 million |



| |
|-----------|
| AK |
| 68.5% |
| 60.9% |

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

The CDC did not update vaccination data today.

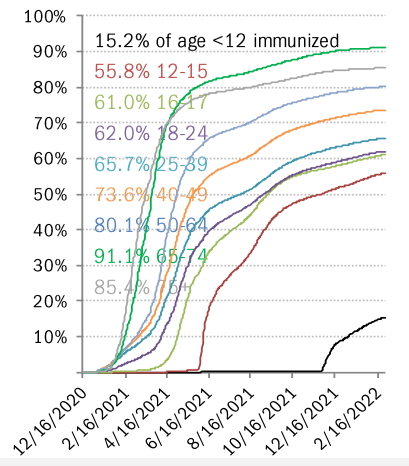
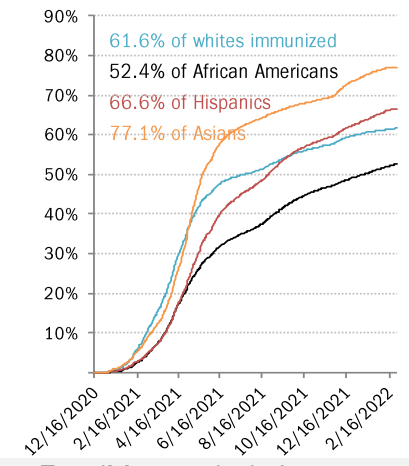
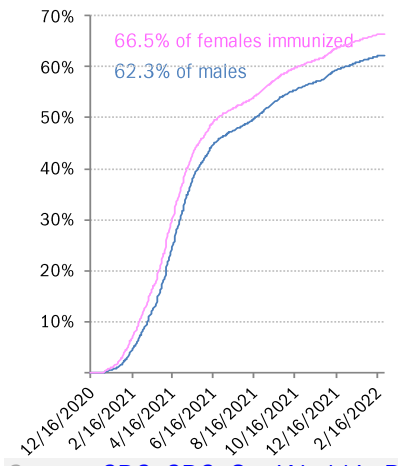
| | | |
|-----------|-------|-------|
| France | 77.5% | 80.0% |
| Spain | 83.4% | 87.8% |
| Germany | 74.7% | 75.6% |
| Italy | 78.6% | 83.9% |
| Australia | 79.4% | 85.5% |
| Israel | 65.9% | 72.1% |
| Canada | 81.1% | 85.5% |
| Japan | 79.5% | 80.7% |
| Africa | 12.8% | 17.9% |
| India | 56.6% | 69.3% |
| Brazil | 72.3% | 83.0% |
| China | 85.5% | 87.9% |

Global data differs due to sources, timing

As of Feb 26

| | | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | WI | | | | | | ME |
| | | | | | 71.0% | | | | | | 89.1% |
| | | | | | 64.6% | | | | | | 78.3% |
| WA | ID | MT | ND | MN | IL | MI | | | NY | VT | NH |
| 79.7% | 60.3% | 64.5% | 64.5% | 74.3% | 75.9% | 66.1% | | | 88.9% | 92.6% | 95.0% |
| 71.4% | 53.1% | 55.9% | 54.4% | 68.2% | 67.4% | 59.2% | | | 75.5% | 80.1% | 67.9% |
| OR | NV | WY | SD | IA | IN | OH | PA | NJ | MA | | |
| 76.9% | 74.0% | 58.0% | 74.9% | 67.3% | 60.6% | 62.9% | 83.3% | 88.9% | 95.0% | | |
| 68.6% | 59.7% | 50.6% | 59.9% | 61.1% | 54.0% | 57.6% | 66.9% | 74.2% | 77.6% | | |
| CA | UT | CO | NE | MO | KY | WV | VA | MD | CT | RI | |
| 81.8% | 71.2% | 78.3% | 69.4% | 65.3% | 65.3% | 64.2% | 84.4% | 84.8% | 93.9% | 95.0% | |
| 70.4% | 63.3% | 69.2% | 62.5% | 55.1% | 56.4% | 56.8% | 71.9% | 74.0% | 77.8% | 80.6% | |
| | AZ | NM | KS | AR | TN | NC | SC | DC | DE | | |
| | 71.4% | 85.9% | 73.4% | 65.7% | 61.3% | 82.2% | 66.5% | 95.0% | 81.7% | | |
| | 60.1% | 69.6% | 60.1% | 53.5% | 53.6% | 59.3% | 55.9% | 71.5% | 67.6% | | |
| | | | OK | LA | MS | AL | GA | | | | |
| | | | 70.0% | 60.1% | 58.8% | 61.9% | 64.3% | | | | |
| | | | 56.0% | 52.5% | 50.9% | 50.2% | 53.6% | | | | |
| | | | TX | | | | | | | | |
| | | | 71.0% | | | | | | | | |
| | | | 60.0% | | | | | | | | |
| | | | | | | | | FL | | PR | |
| | | | | | | | | 78.0% | | 95.0% | |
| | | | | | | | | 65.9% | | 81.4% | |
| HI | | | | | | | | | | | |
| 86.2% | | | | | | | | | | | |
| 77.2% | | | | | | | | | | | |

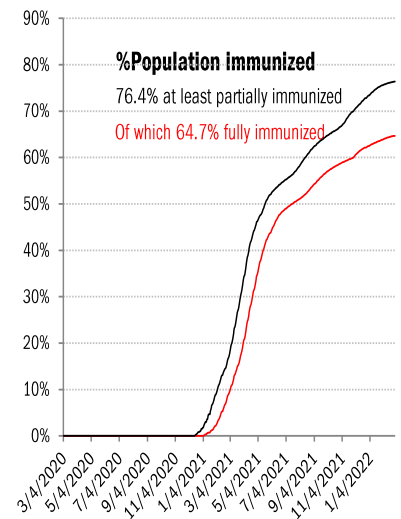
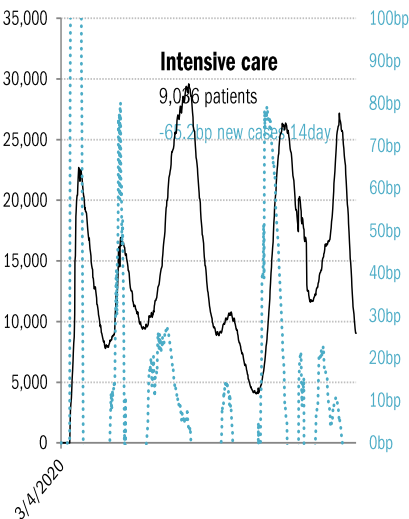
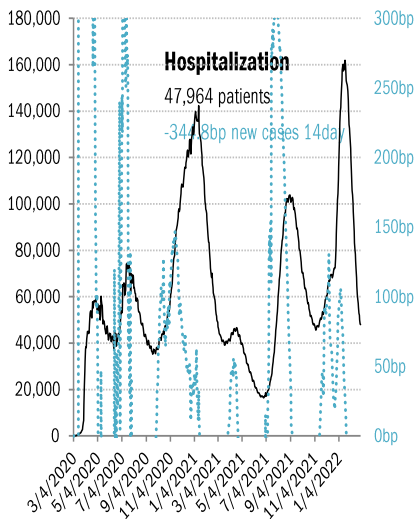
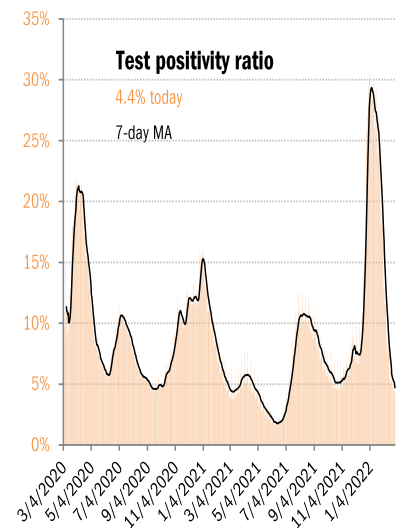
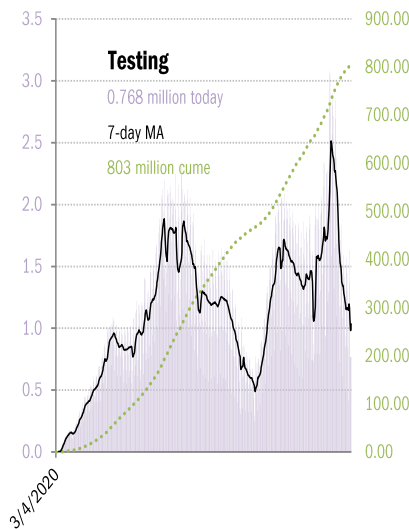
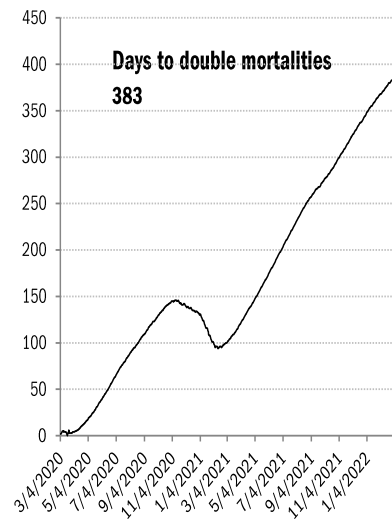
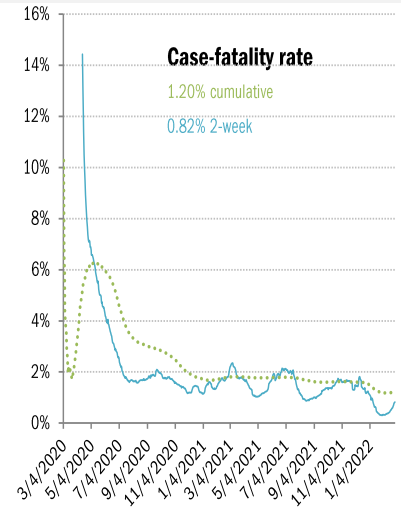
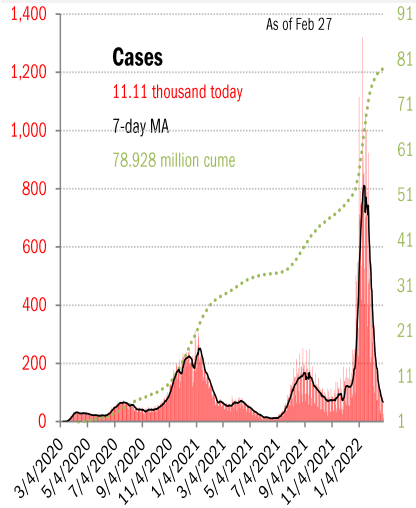
The demographics of US vaccination



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

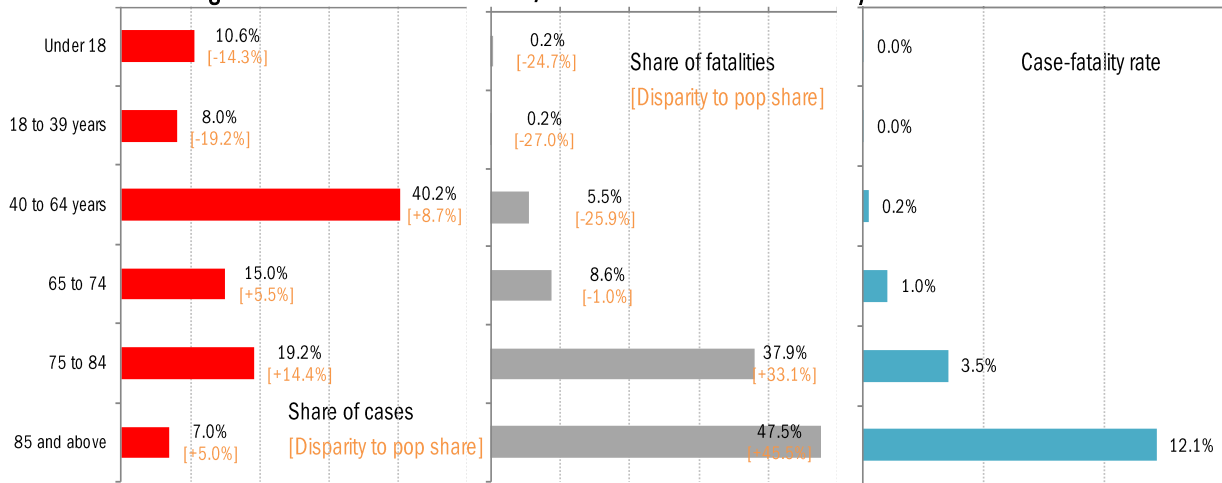
US deep-dive

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

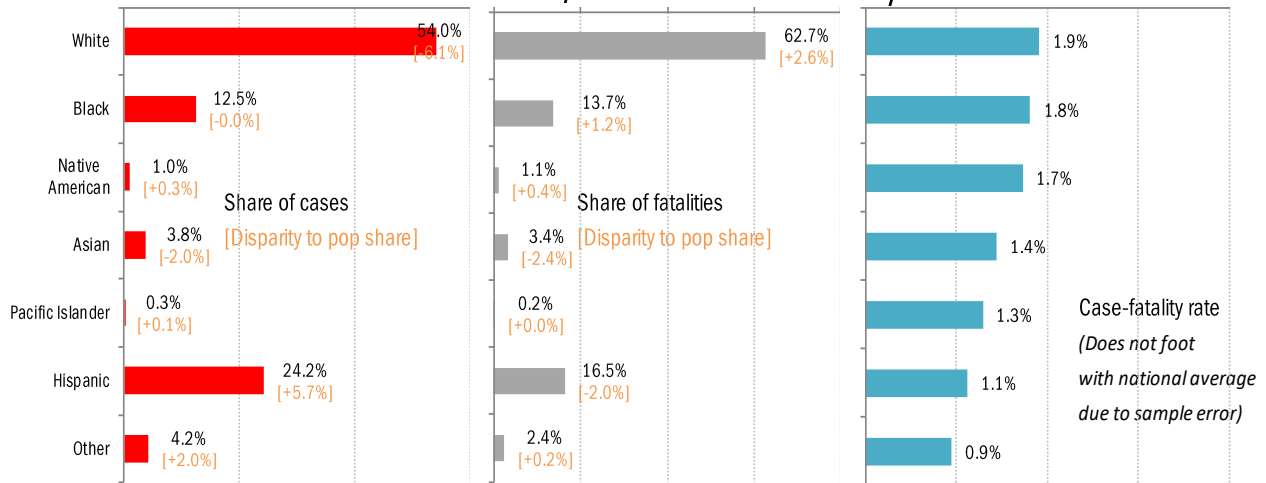


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

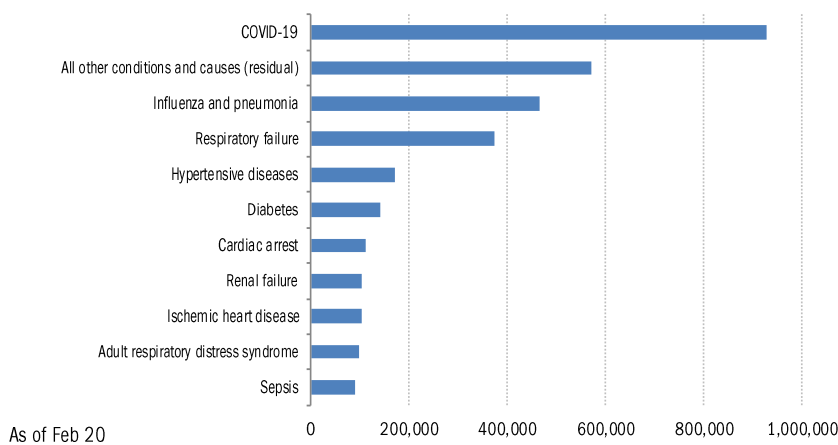


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



The CDC website now omits the following text, which had been included every day for over a year:

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.

Recommended reading

[Is Our Pandemic the Ghost of the 1889 Russian Flu?](#)

Andrew Nikiforuk

The Tyee

February 14, 2022

[Who's Requiring Workers to Be Vaccinated?](#)

New York Times

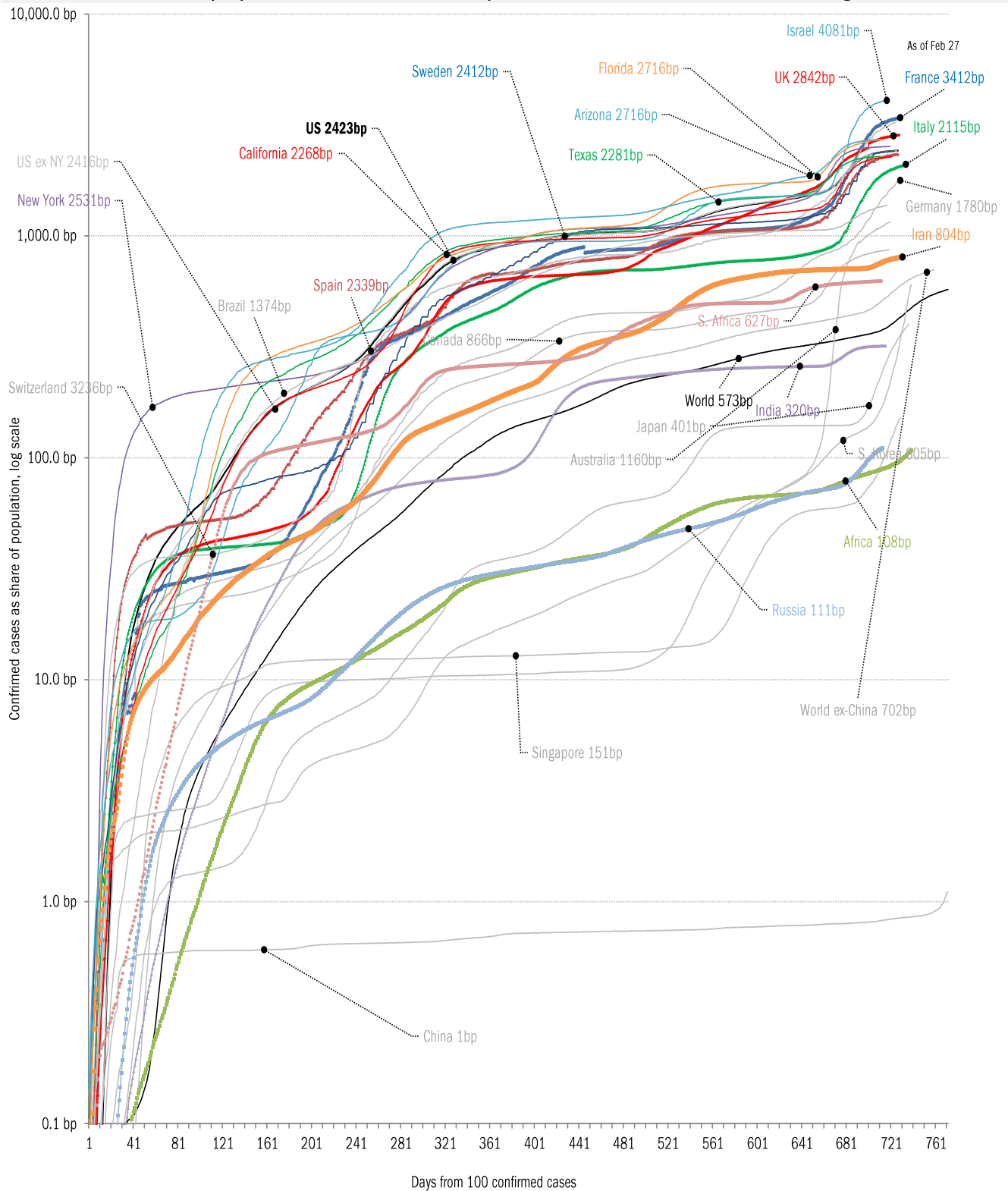
February 27, 2022

Meme of the day



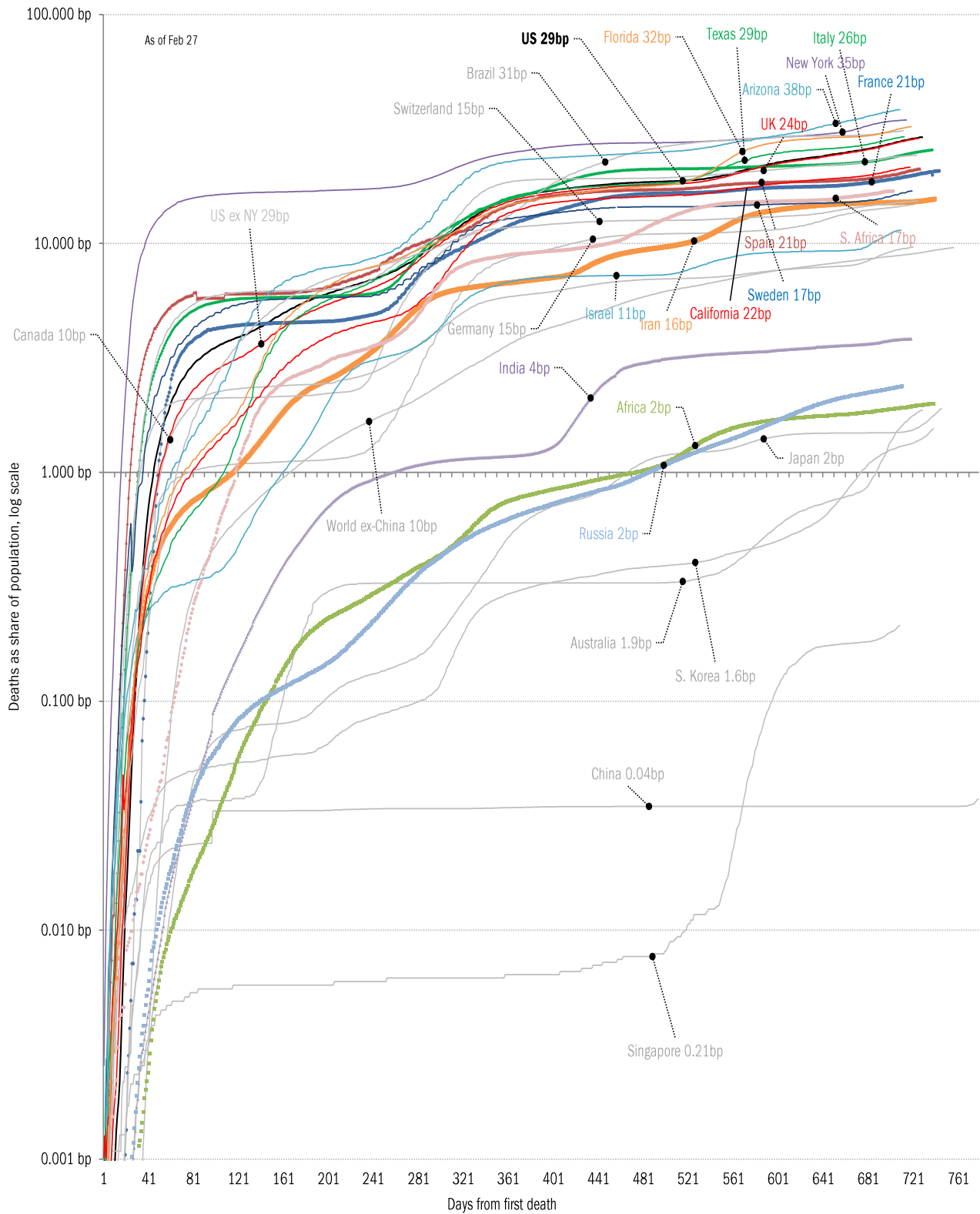
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

The 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 coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale

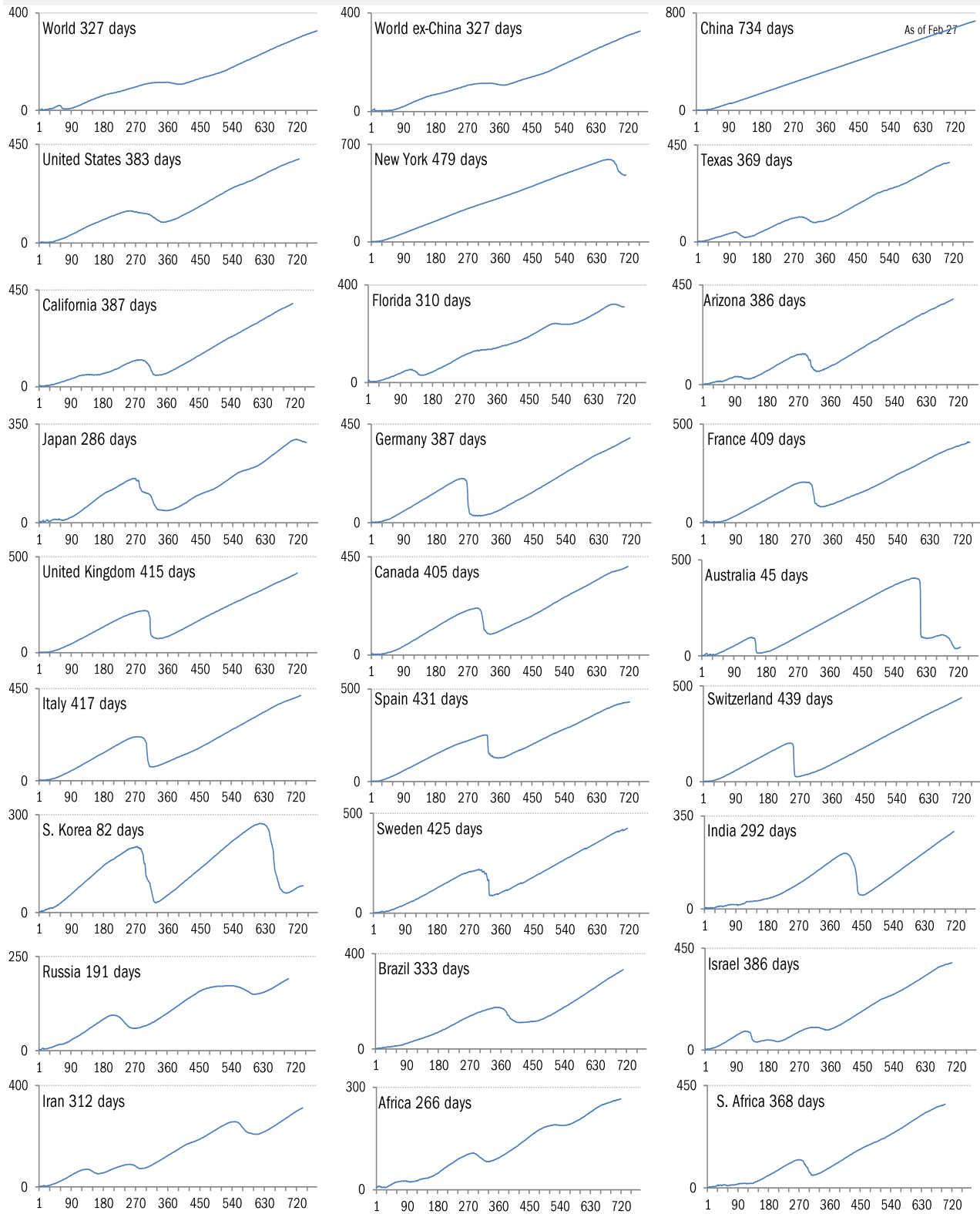


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? 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

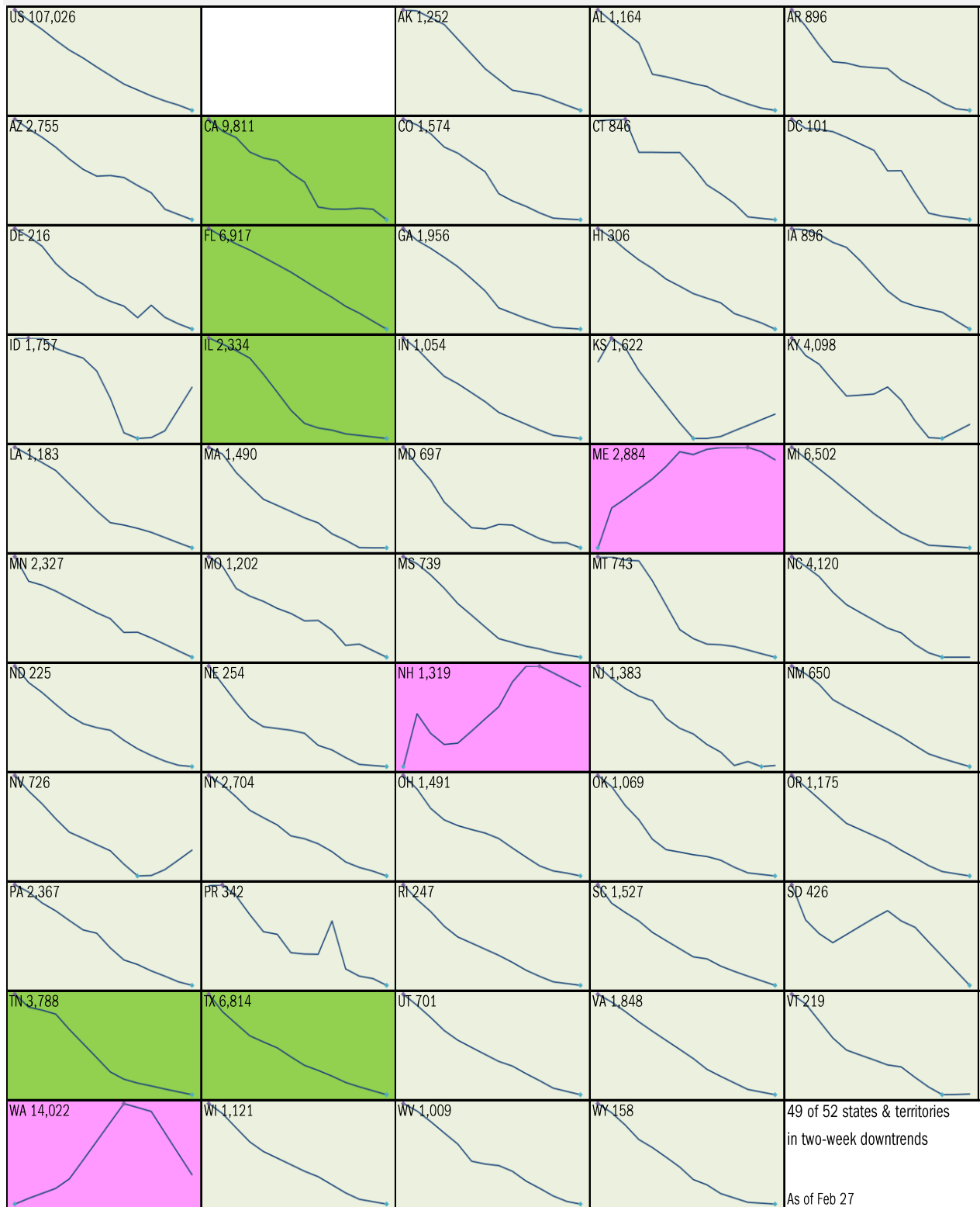


Source: [Johns Hopkins](#), TrendMacro calculations

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

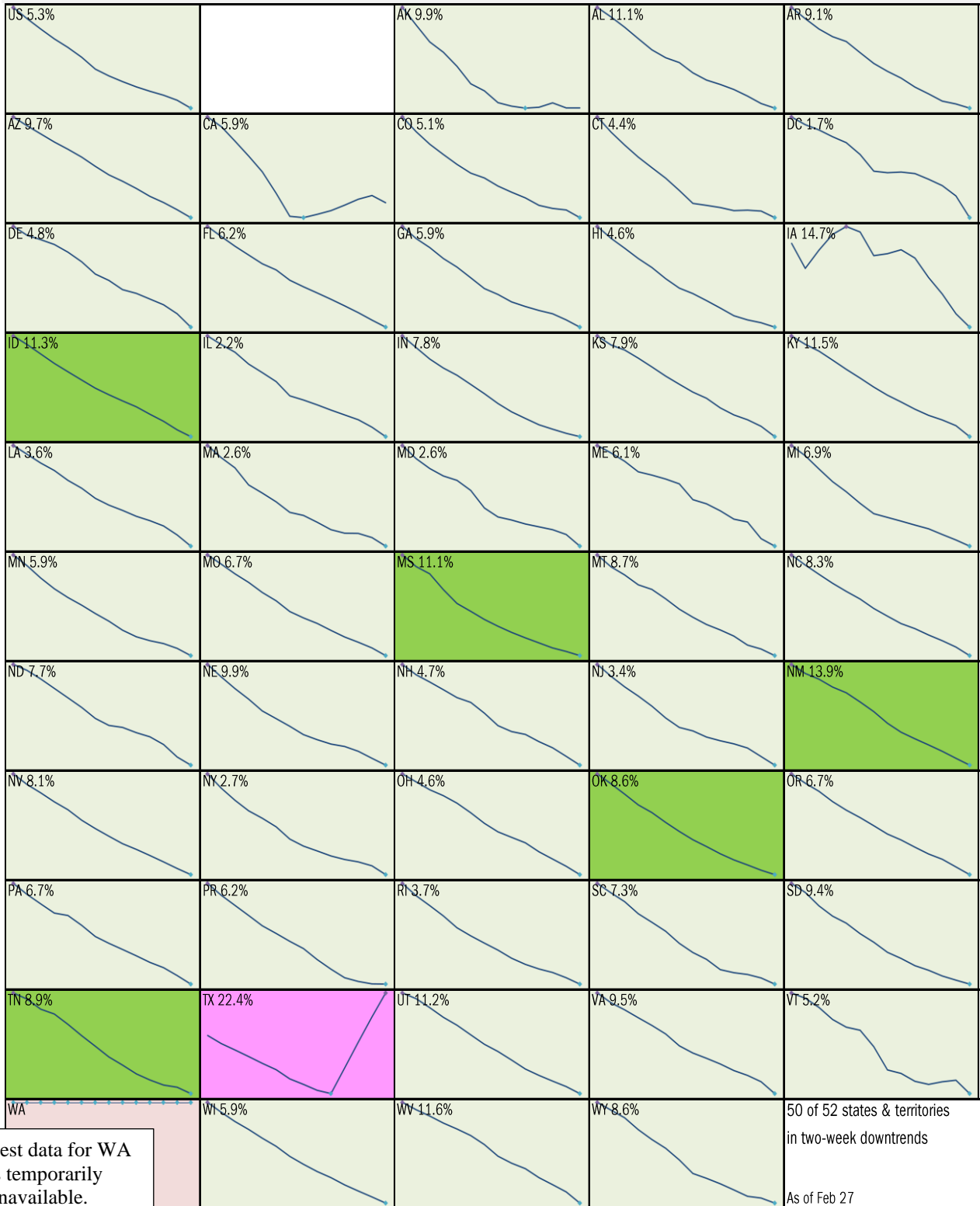


Source: [Johns Hopkins](#), TrendMacro calculations

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



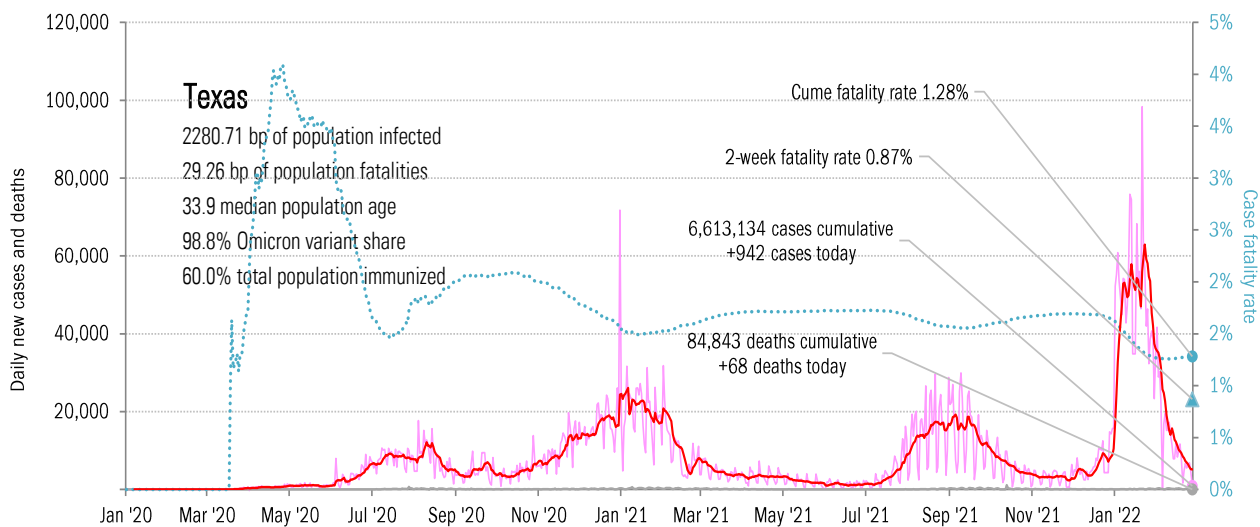
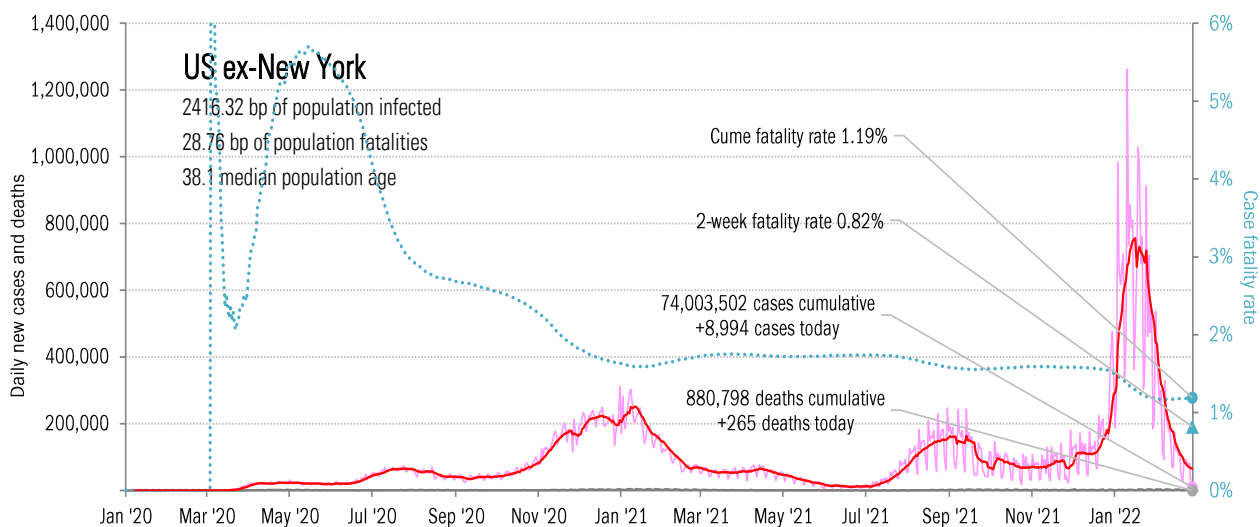
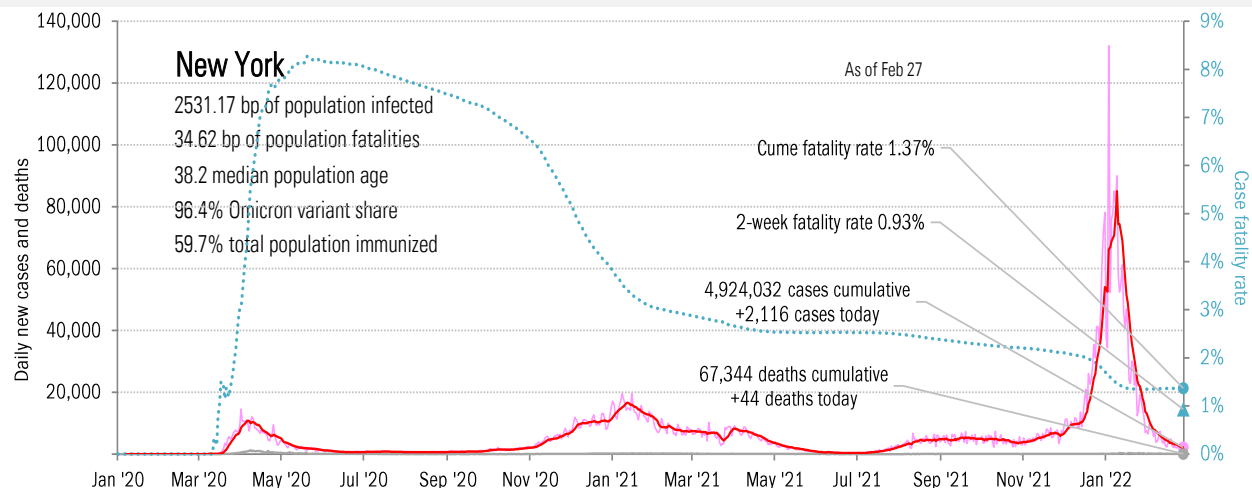
Test data for WA is temporarily unavailable.

50 of 52 states & territories in two-week downtrends
As of Feb 27

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

From Ground Zero to the Rio Grande

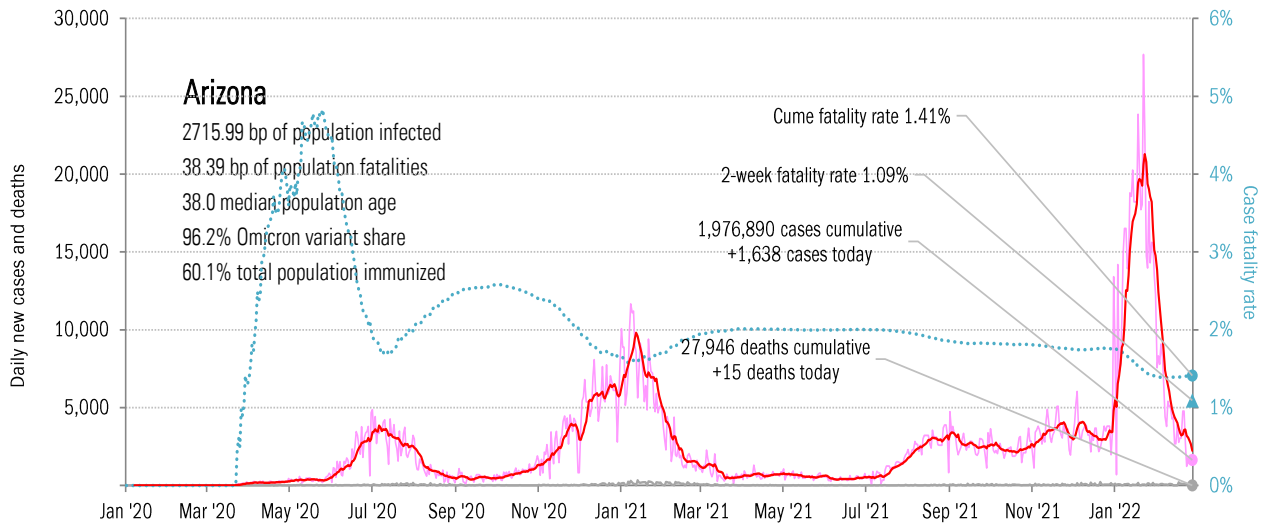
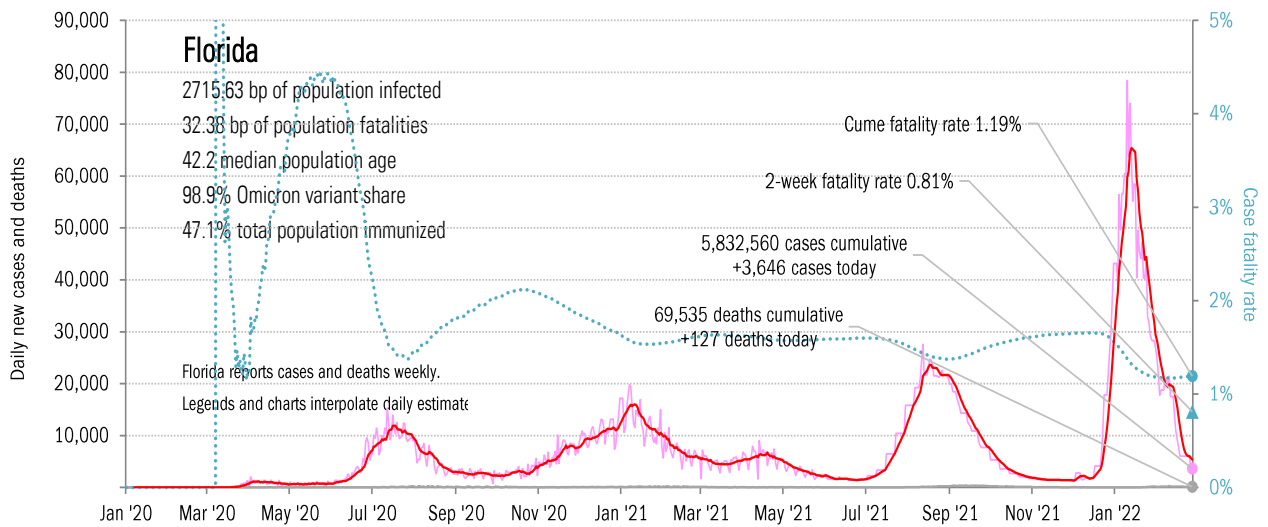
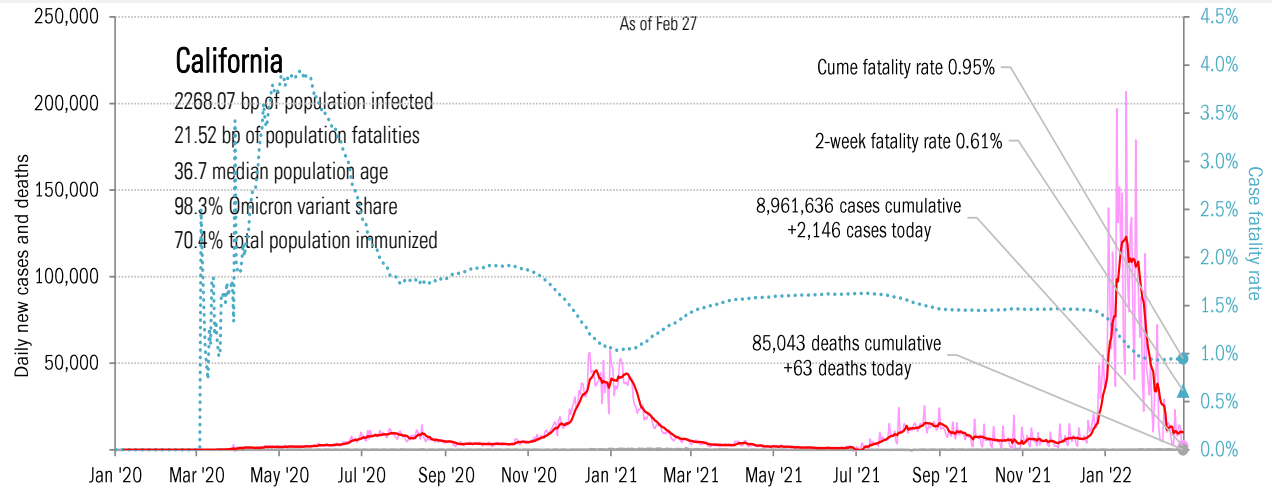
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

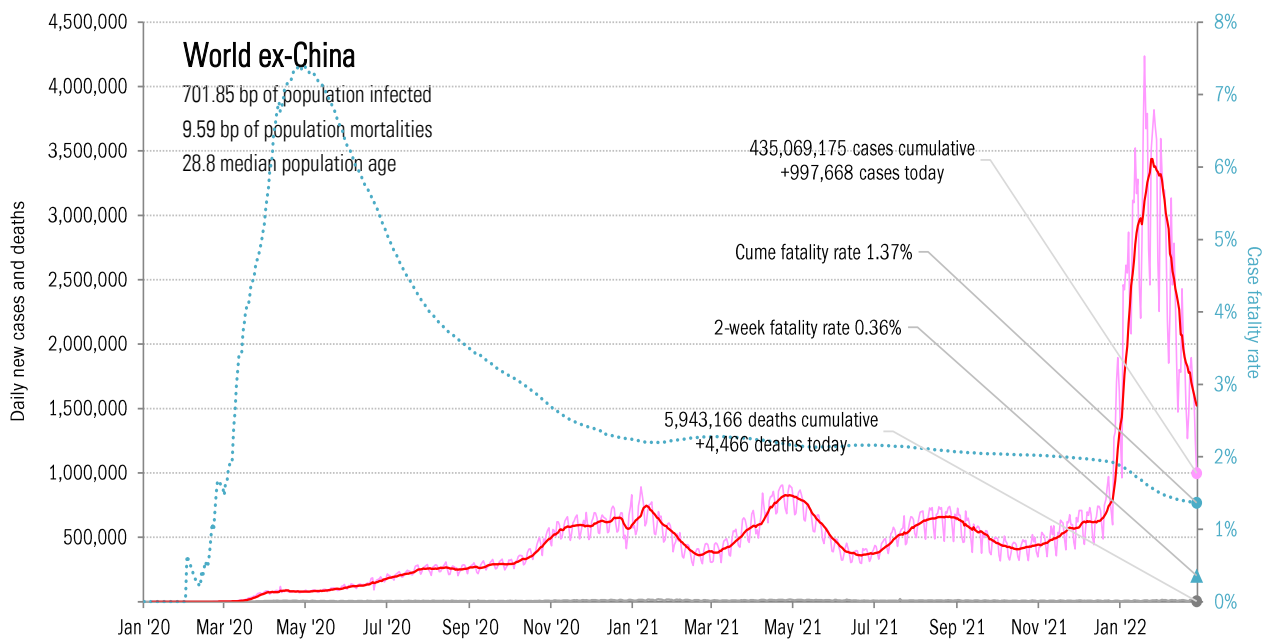
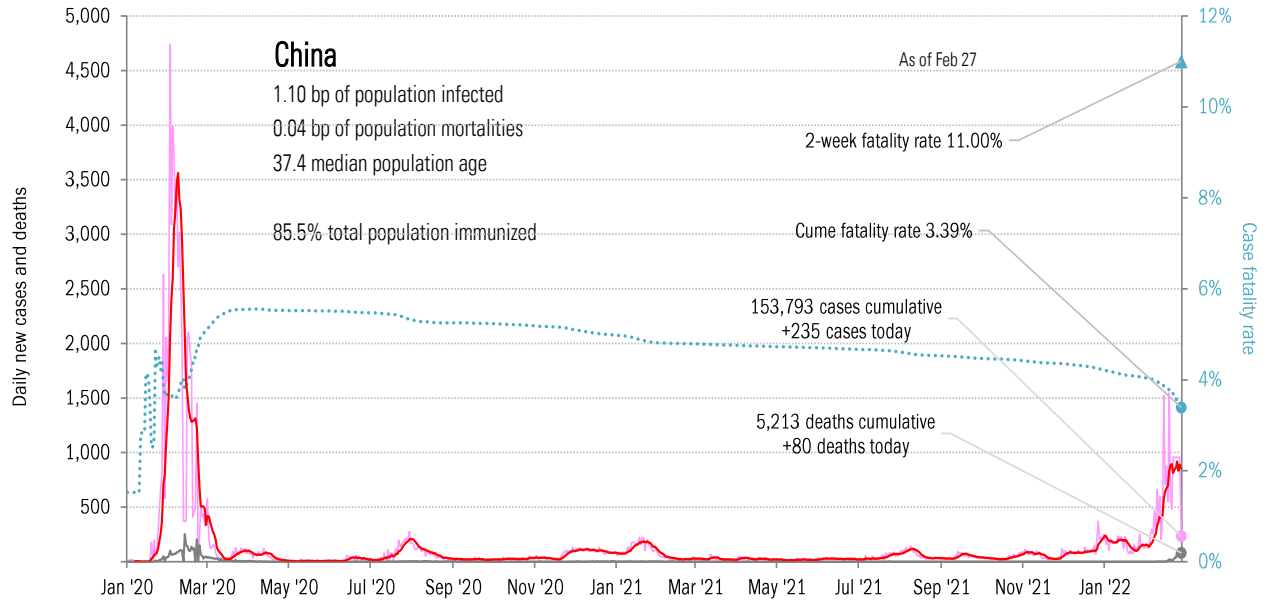
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

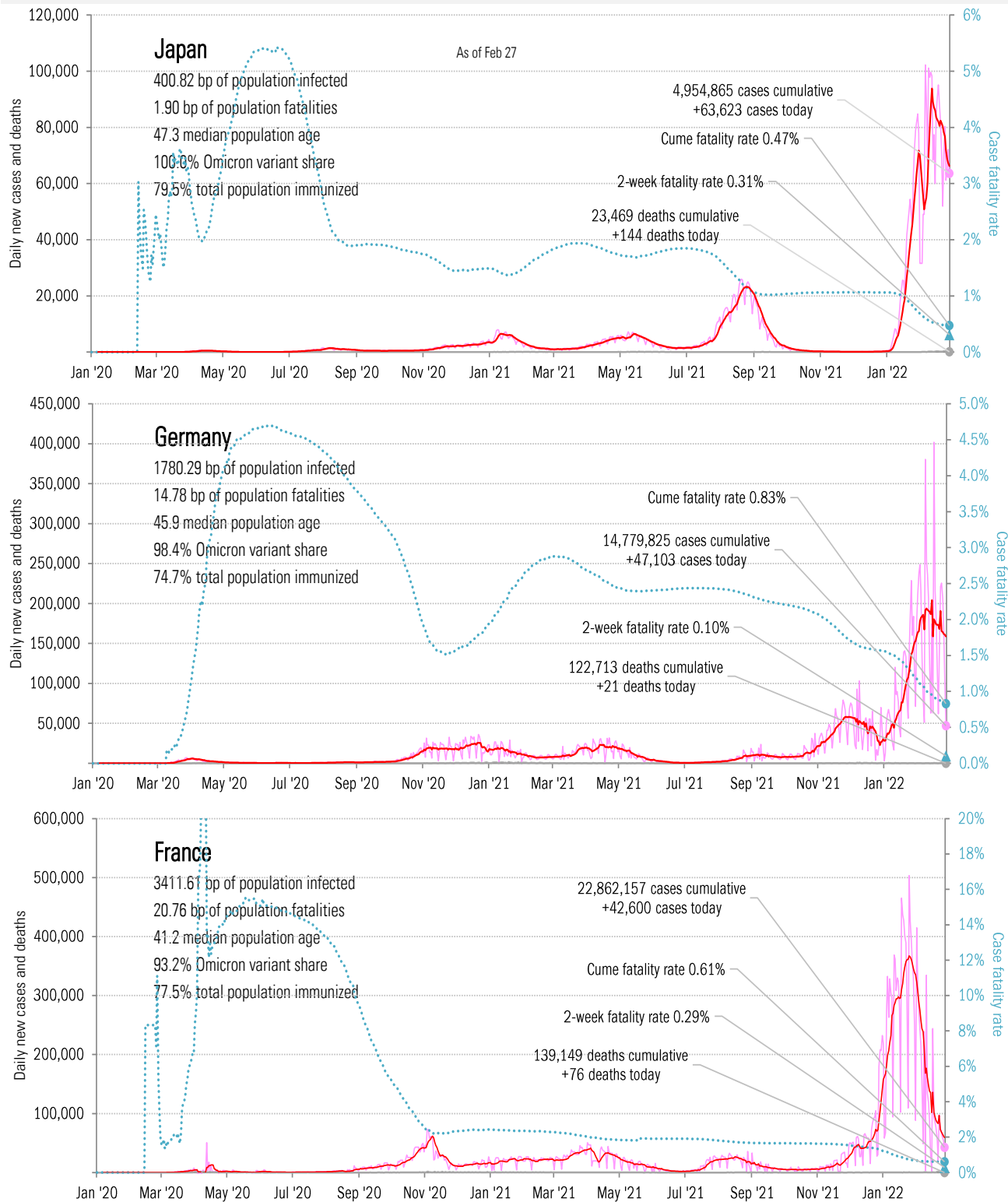
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

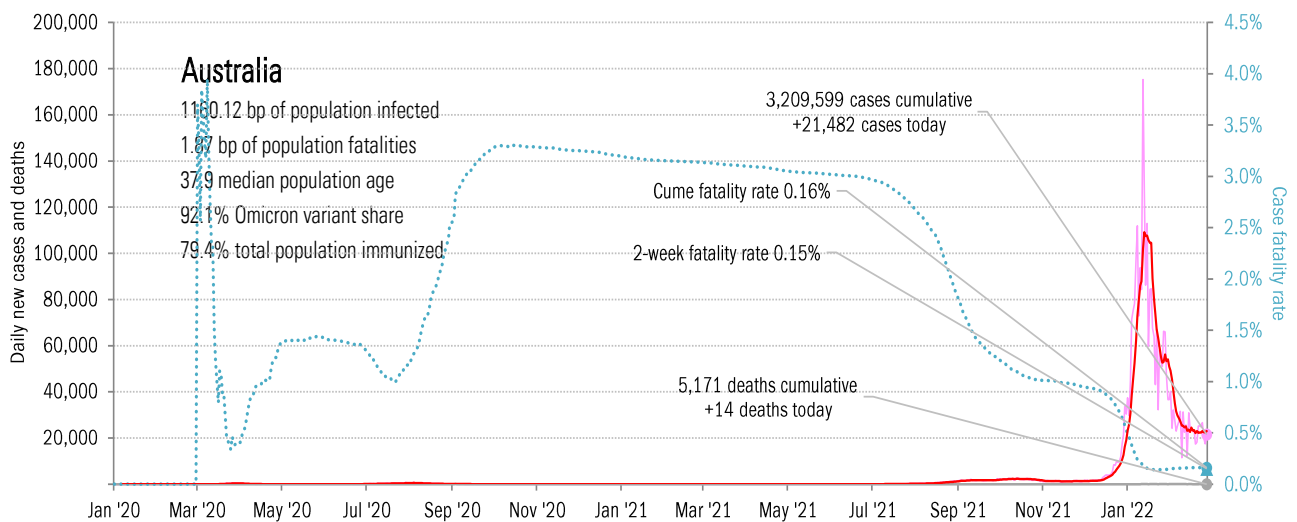
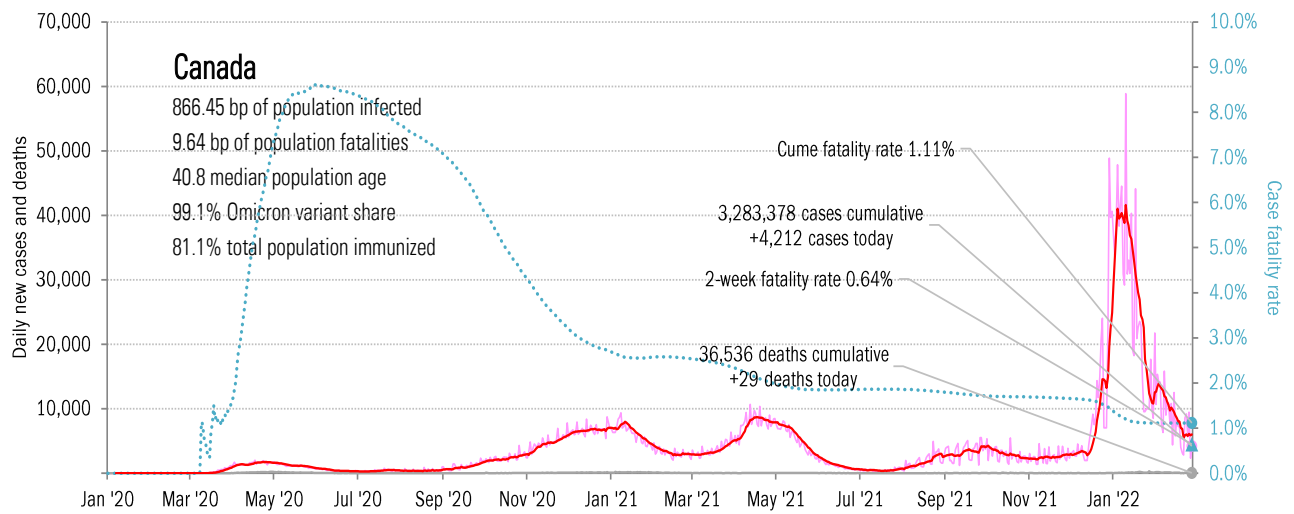
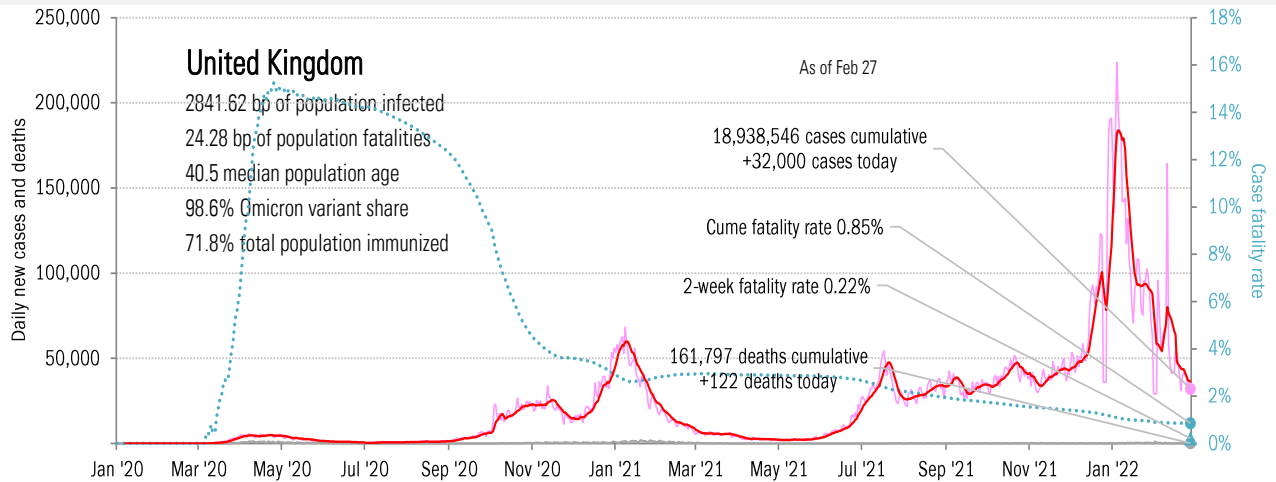
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

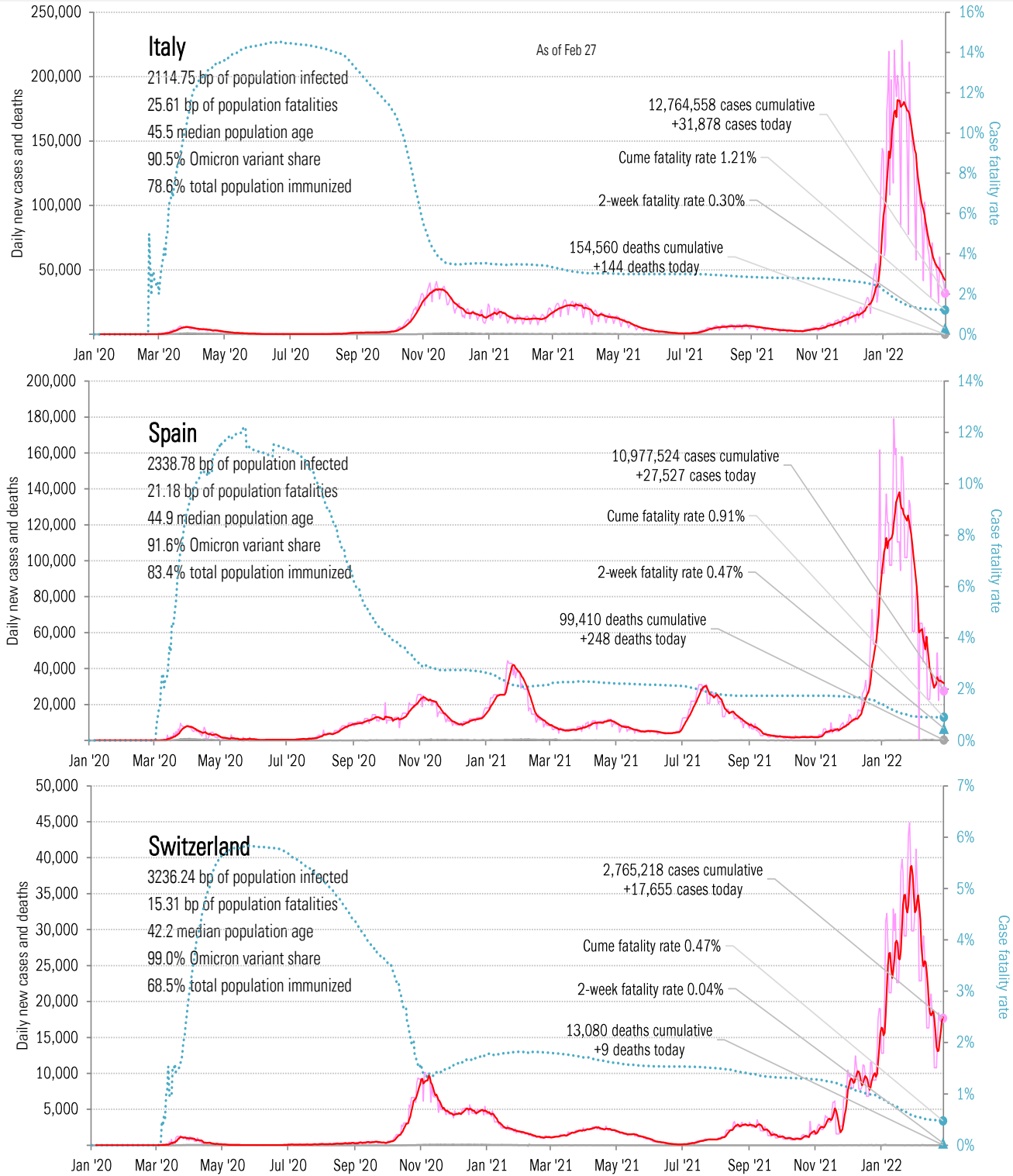
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

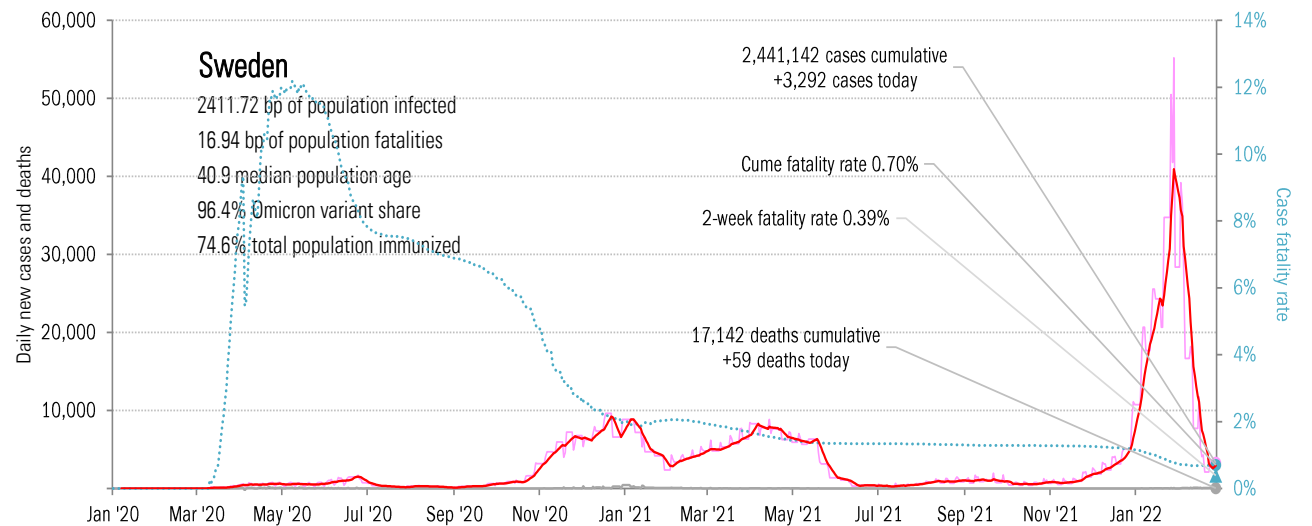
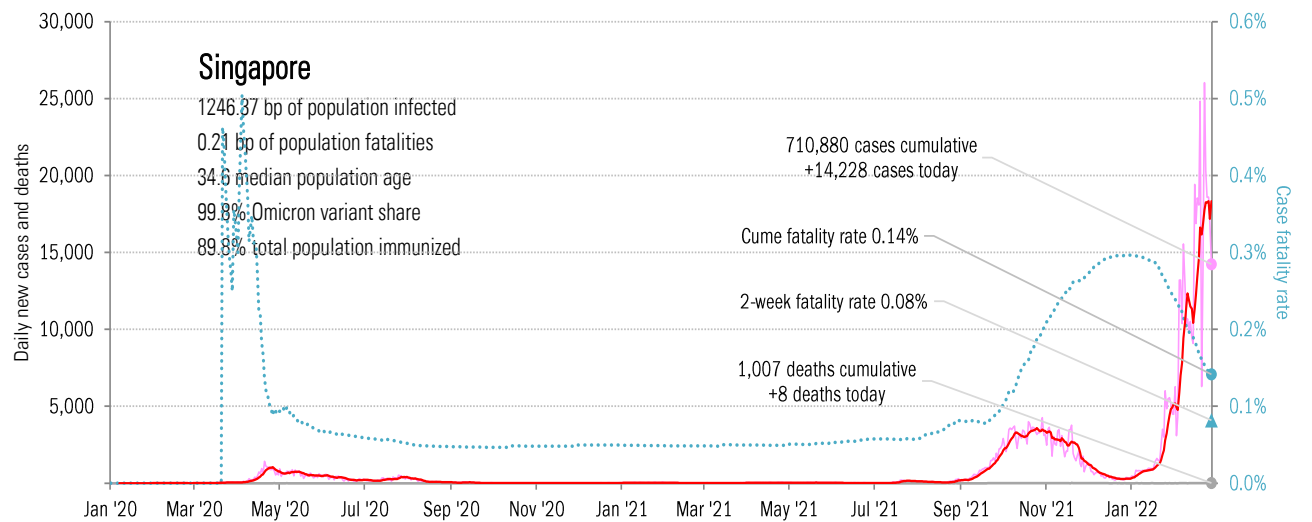
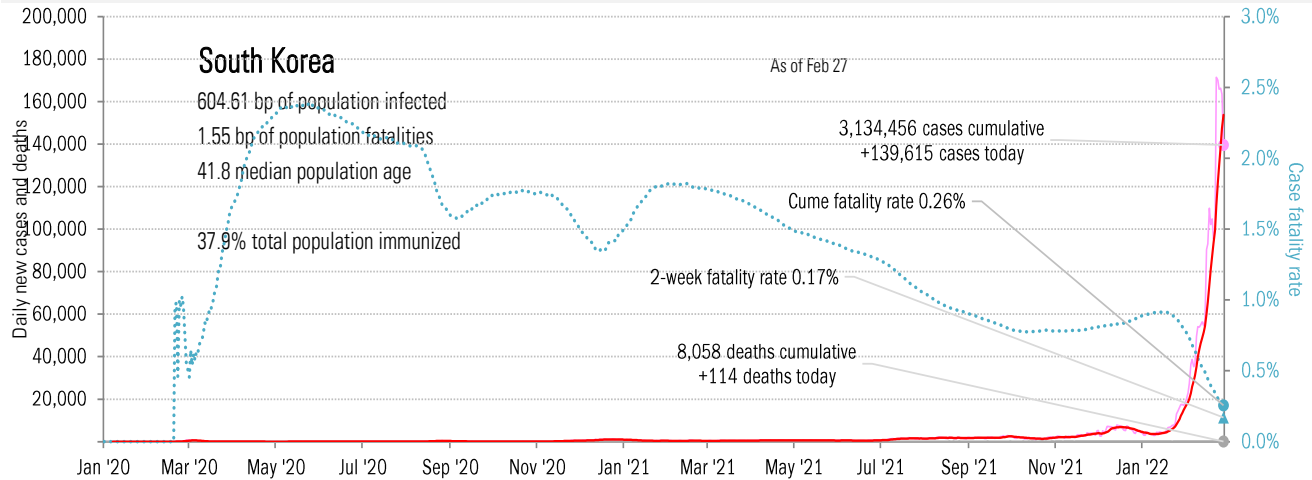
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

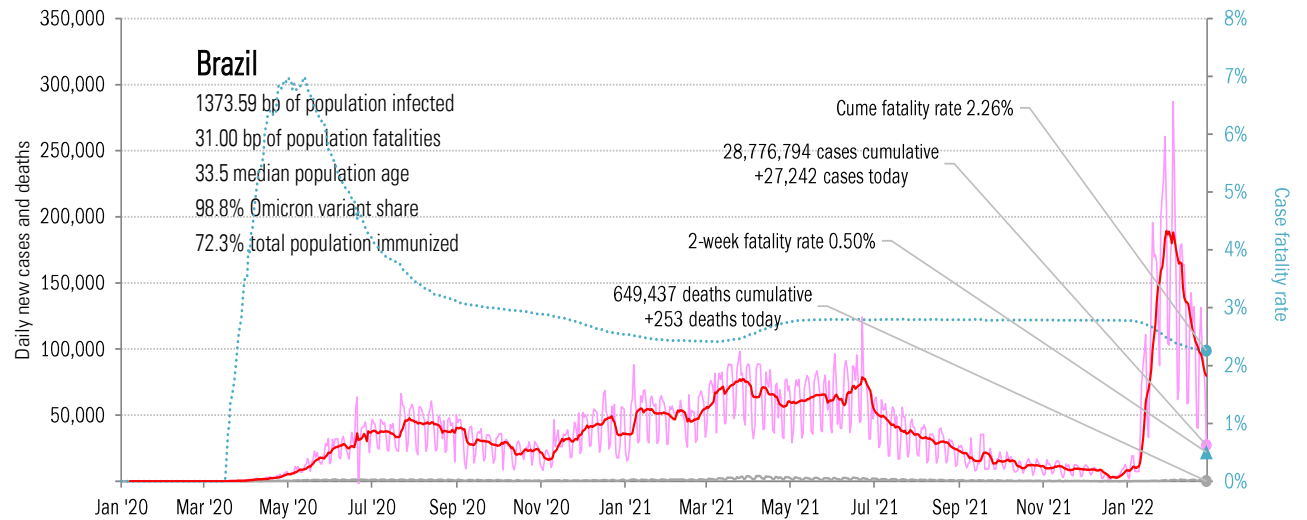
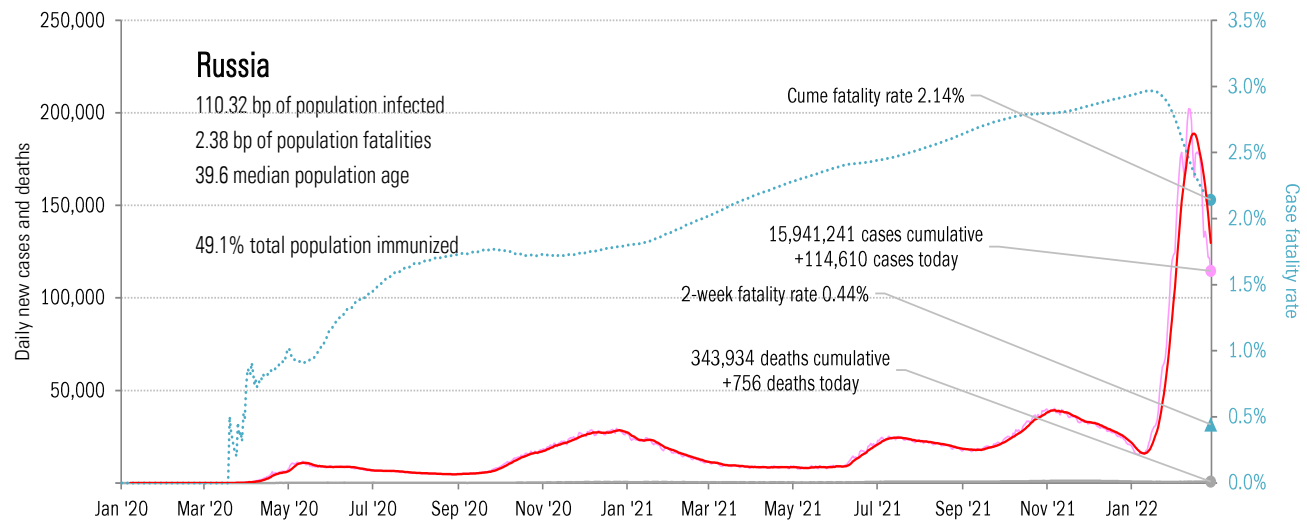
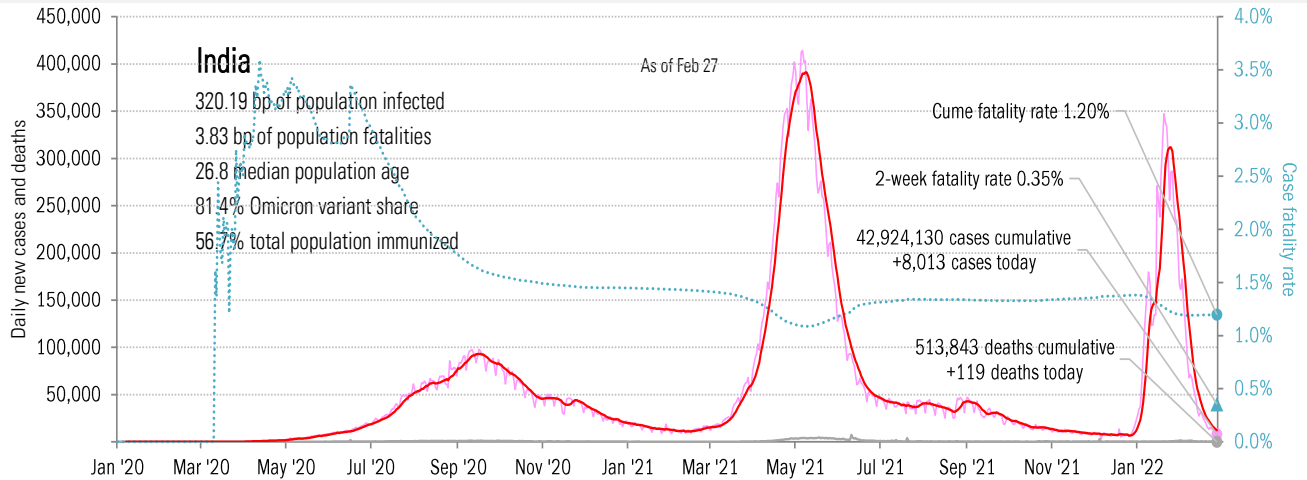
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

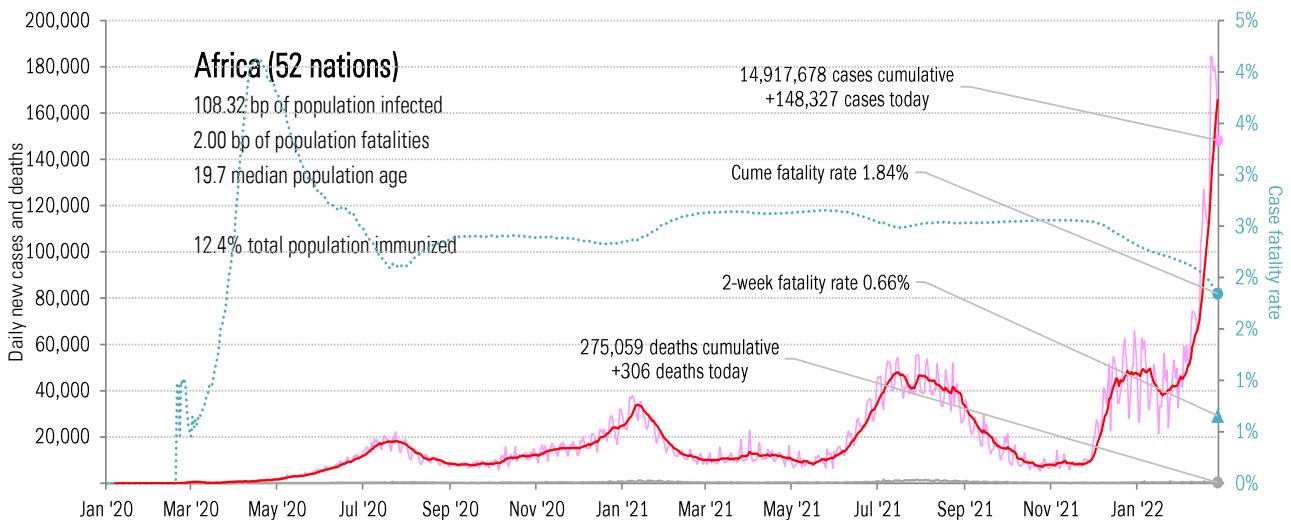
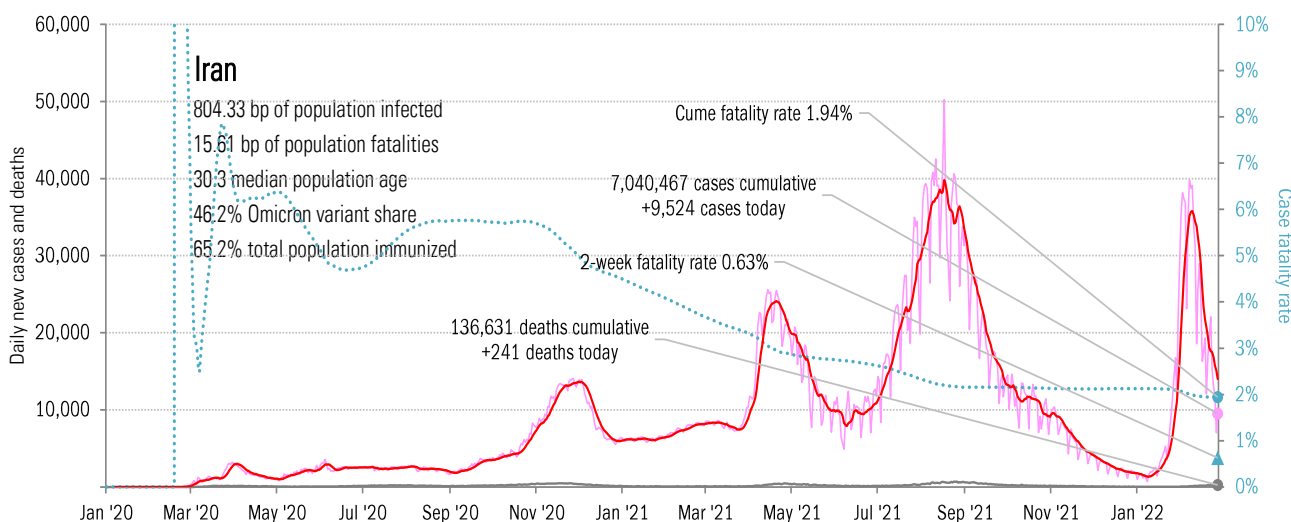
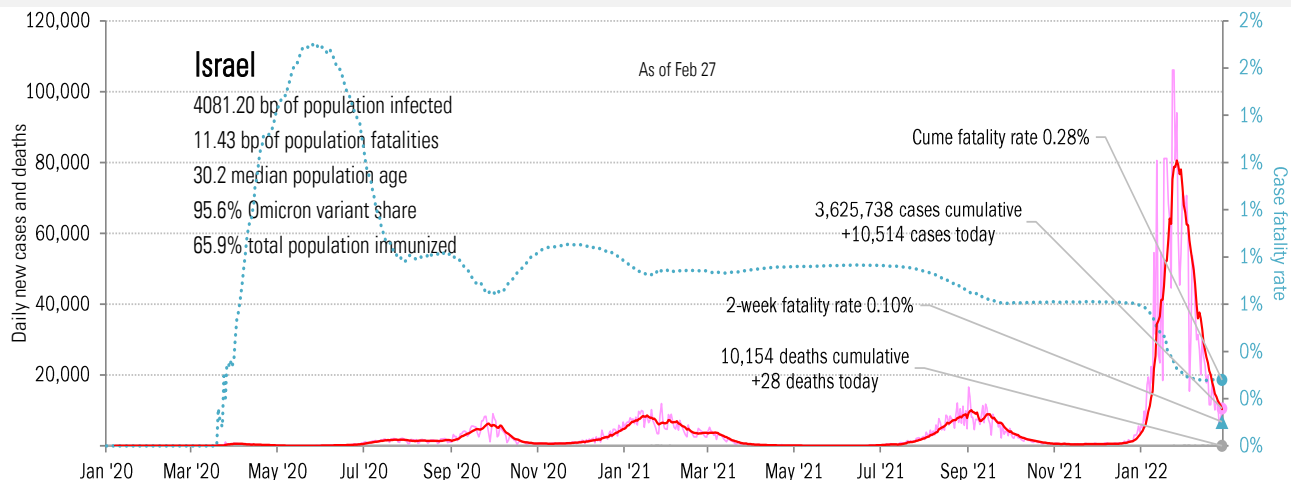
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

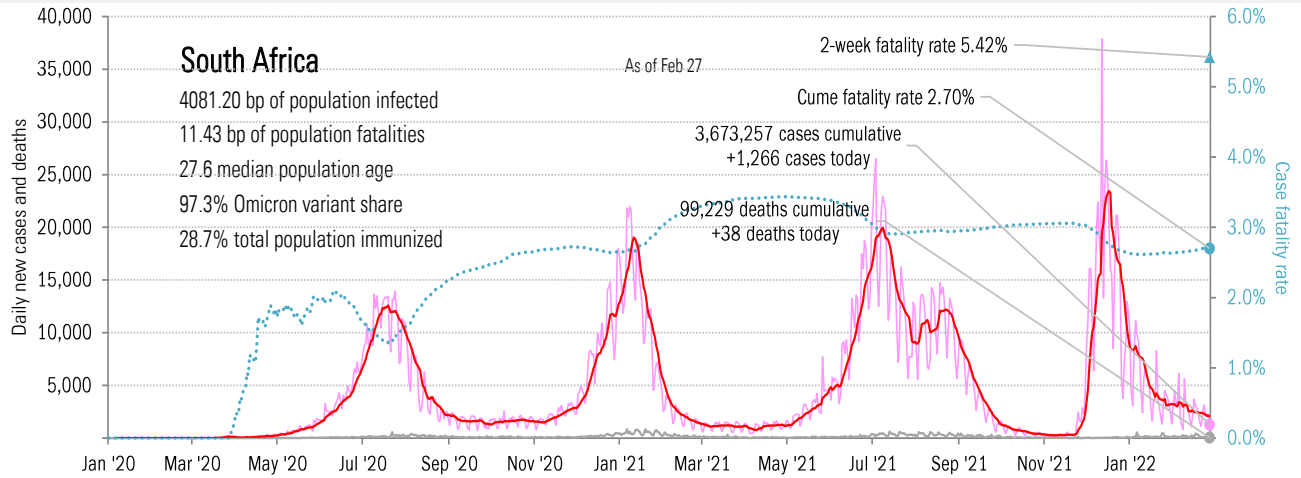
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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