

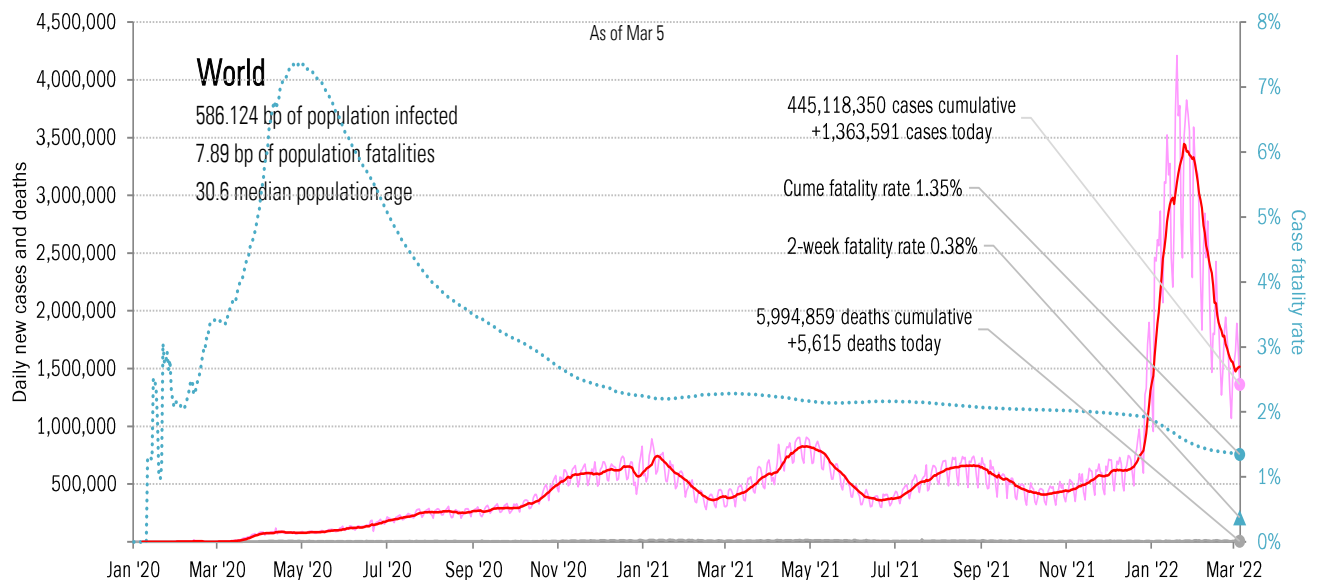
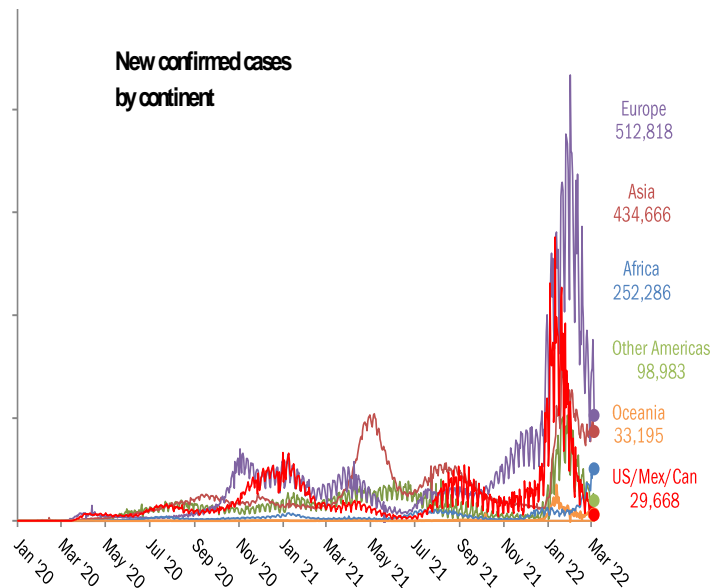
Data Insights: Covid-2019 Monitor

Sunday, March 6, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

| The worst ten countries | | | |
|-------------------------|-----------|---------------|-------|
| New cases | | New Deaths | |
| Korea, South | 243,612 | Russia | 737 |
| Vietnam | 173,258 | Brazil | 694 |
| Germany | 116,159 | United States | 465 |
| Russia | 85,575 | Indonesia | 322 |
| Netherlands | 67,207 | Mexico | 308 |
| Japan | 63,591 | China | 220 |
| Brazil | 62,748 | Poland | 199 |
| France | 53,678 | Japan | 184 |
| Italy | 41,364 | Turkey | 174 |
| China | 37,858 | Italy | 173 |
| 945,050 | | 3,476 | |
| World | 1,363,591 | World | 5,615 |
| Top ten | 69% | Top ten | 62% |



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

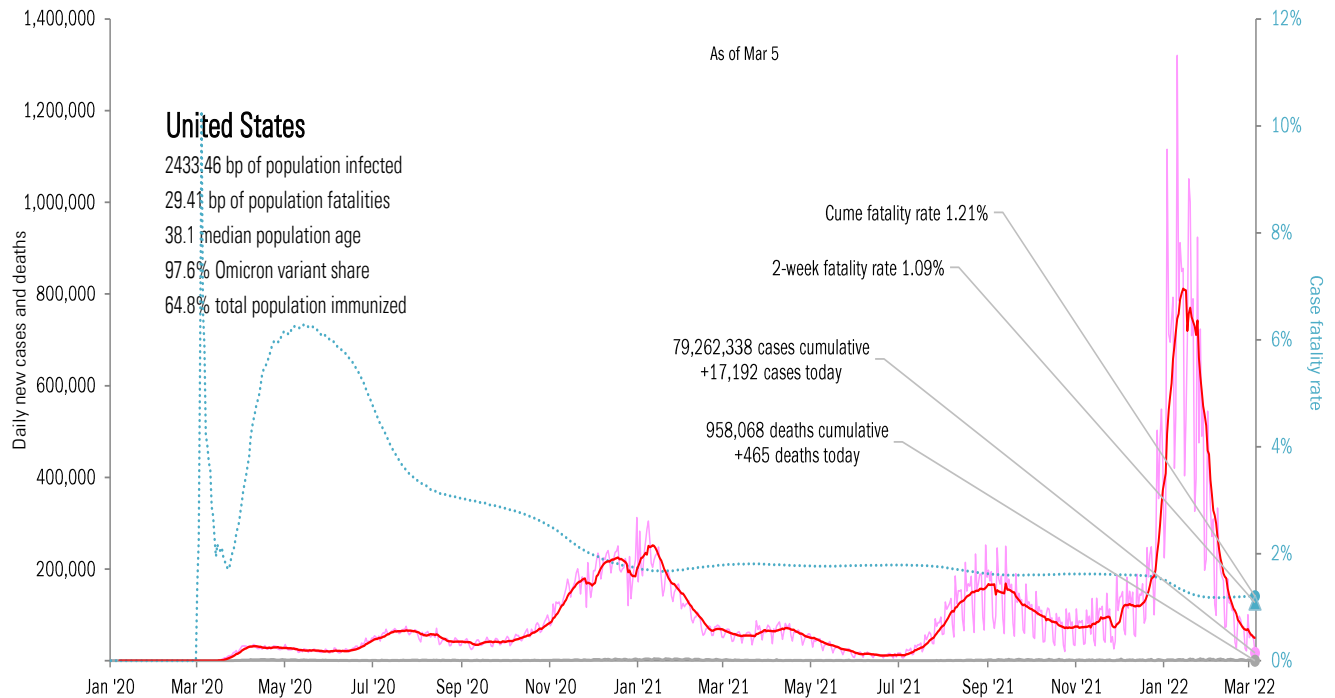
The ten worst US states

| New cases | | | New Deaths | | | New in hospital | | | Curre cases | | | Curre deaths | | | Curre in hospital | | | Hospital use | | ICU use | |
|------------|--------|--|------------|-----|--|-----------------|-----|--|-------------|------------|--|--------------|--------|--|-------------------|---------|--|--------------|-----|---------|-----|
| TX | 4,018 | | FL | 172 | | NY | 458 | | CA | 9,005,322 | | CA | 86,286 | | TX | 481,989 | | RI | 88% | TX | 86% |
| NY | 3,372 | | TX | 101 | | WY | 10 | | TX | 6,638,712 | | TX | 85,711 | | CA | 416,948 | | MA | 85% | MS | 85% |
| FL | 1,975 | | TN | 69 | | UT | 6 | | FL | 5,854,664 | | FL | 70,628 | | FL | 409,861 | | MN | 84% | NV | 84% |
| CA | 1,353 | | CA | 48 | | WA | 6 | | NY | 4,934,709 | | NY | 67,523 | | NY | 242,862 | | MO | 83% | RI | 83% |
| NJ | 1,042 | | DE | 38 | | AR | 4 | | IL | 3,037,199 | | PA | 43,525 | | GA | 203,592 | | WV | 83% | AL | 83% |
| PA | 940 | | ME | 26 | | VT | 2 | | PA | 2,763,033 | | CH | 37,018 | | CH | 188,437 | | WA | 83% | CK | 83% |
| CH | 862 | | AR | 18 | | AS | 1 | | CH | 2,659,138 | | GA | 35,782 | | PA | 173,763 | | GA | 83% | AK | 82% |
| TN | 755 | | NY | 12 | | RI | 1 | | NC | 2,598,014 | | IL | 35,359 | | IL | 154,684 | | DC | 82% | AR | 81% |
| AR | 698 | | NJ | 6 | | CT | 0 | | GA | 2,470,384 | | MI | 34,841 | | MI | 138,983 | | MD | 81% | UT | 81% |
| IA | 525 | | HI | 5 | | GU | 0 | | MI | 2,365,827 | | NJ | 33,005 | | KY | 138,611 | | NH | 81% | NH | 80% |
| 15,540 | | | 495 | | | 488 | | | 42,327,002 | | | 529,678 | | | 2,549,730 | | | | | | |
| All states | 17,192 | | 465 | | | -473 | | | All states | 79,262,338 | | 958,068 | | | 4,623,335 | | | All states | 70% | 67% | |
| Top ten | 90% | | 106% | | | -103% | | | 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 | -6,618 | CH | -196 | GA | -356 | AZ | +10 bp |
| CA | -5,170 | CA | -164 | MN | -34 | FL | +10 bp |
| WA | -3,222 | TX | -131 | CO | -30 | GA | +10 bp |
| NC | -2,646 | MI | -75 | VA | -28 | IL | +10 bp |
| MI | -2,308 | GA | -74 | IA | -23 | KS | +10 bp |



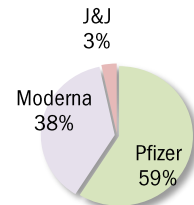
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

| Administered | Cumulative | | Today | Immunity | Full | Partial |
|------------------|-------------|-------|----------------|----------|------------------|---------------------|
| Doses | 569,832,032 | | +0.171 million | US | 64.8% | 76.5% |
| Boosters | 96,324,990 | | +0.067 million | UK | 71.9% | 77.2% |
| | One dose | % Pop | Immune | % pop | New immune today | |
| Total population | 261,642,948 | 78% | 222,303,519 | 67% | +0.047 million | France 77.6% 80.0% |
| Age 12 to 17 | 17,372,260 | 69% | 14,798,961 | 58% | +0.005 million | Spain 83.7% 87.9% |
| Age 18 to 64 | 176,347,696 | 87% | 149,529,234 | 74% | +0.026 million | Germany 74.9% 75.7% |
| Age 65 and over | 58,224,068 | 100% | 50,380,491 | 92% | +0.003 million | Italy 78.8% 83.9% |

| | | |
|--------|-------|-------|
| Israel | 65.9% | 72.1% |
| Canada | 81.3% | 85.6% |
| Japan | 79.6% | 80.7% |
| Africa | 12.2% | 18.5% |
| India | 57.4% | 69.4% |
| Brazil | 72.8% | 83.3% |
| China | 85.5% | 87.9% |

Global data differs due to sources, timing



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



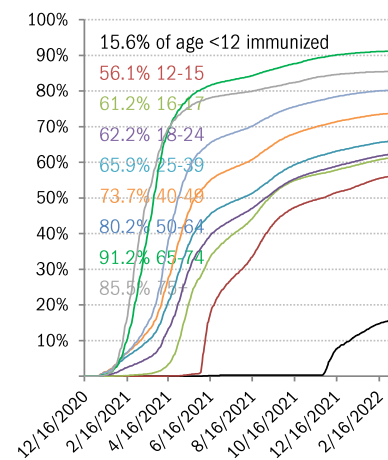
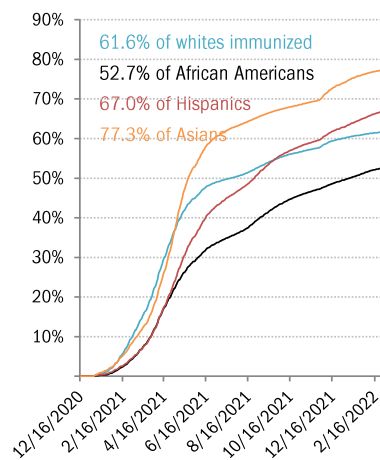
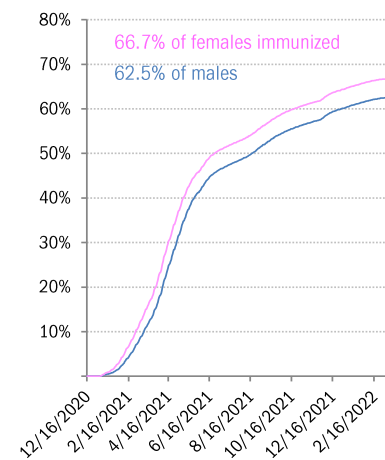
| | |
|----|-------|
| AK | 68.6% |
| | 61.1% |

Immunity = two doses

As of Mar 5

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | WI | | | | | ME |
| | | | | | 71.2% | | | | | 89.3% |
| | | | | | 64.7% | | | | | 78.5% |
| WA | ID | MT | ND | MN | IL | MI | | NY | VT | NH |
| 79.9% | 60.4% | 64.6% | 64.5% | 74.4% | 76.1% | 66.3% | | 89.1% | 92.9% | 95.0% |
| 71.6% | 53.2% | 56.0% | 54.5% | 68.4% | 67.7% | 59.4% | | 75.7% | 80.3% | 69.5% |
| OR | NV | WY | SD | IA | IN | OH | PA | NJ | MA | |
| 77.1% | 74.2% | 58.1% | 75.1% | 67.4% | 60.8% | 63.0% | 83.5% | 89.2% | 95.0% | |
| 68.8% | 59.8% | 50.7% | 60.0% | 61.2% | 54.1% | 57.7% | 67.2% | 74.4% | 77.8% | |
| CA | UT | CO | NE | MO | KY | WV | VA | MD | CT | RI |
| 81.9% | 71.2% | 78.5% | 69.5% | 65.4% | 65.4% | 64.3% | 84.6% | 85.1% | 94.1% | 95.0% |
| 70.6% | 63.3% | 69.3% | 62.6% | 55.2% | 56.5% | 56.9% | 72.1% | 74.2% | 77.9% | 80.9% |
| | AZ | NM | KS | AR | TN | NC | SC | DC | DE | |
| | 71.6% | 86.2% | 73.6% | 65.8% | 61.4% | 82.5% | 66.7% | 95.0% | 81.9% | |
| | 60.3% | 69.8% | 60.4% | 53.6% | 53.7% | 59.5% | 56.0% | 71.8% | 67.8% | |
| | | | OK | LA | MS | AL | GA | | | |
| | | | 70.1% | 60.2% | 58.9% | 62.0% | 64.5% | | | |
| | | | 56.1% | 52.7% | 51.0% | 50.3% | 53.8% | | | |
| | | | TX | | | | | FL | | PR |
| | | | 71.3% | | | | | 78.2% | | 95.0% |
| | | | 60.2% | | | | | 66.1% | | 81.7% |

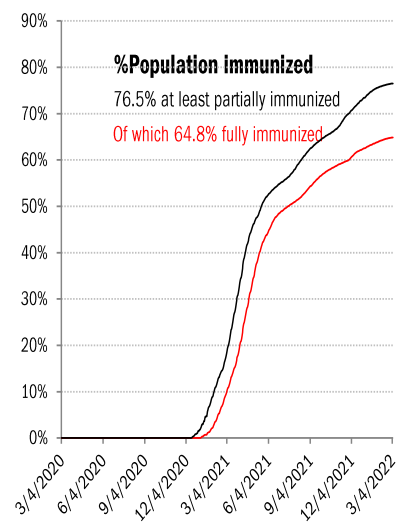
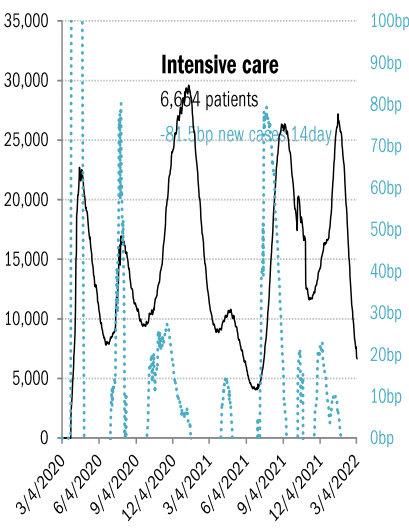
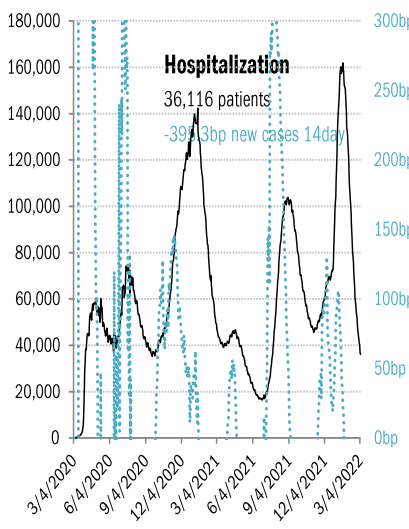
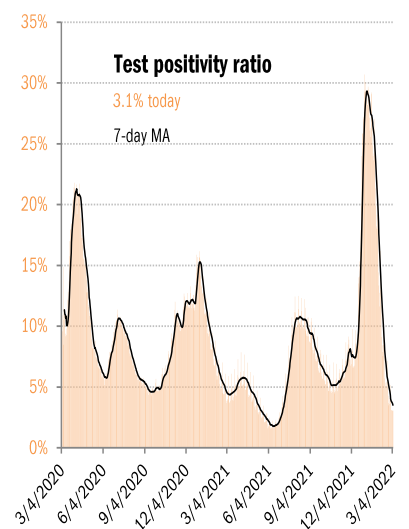
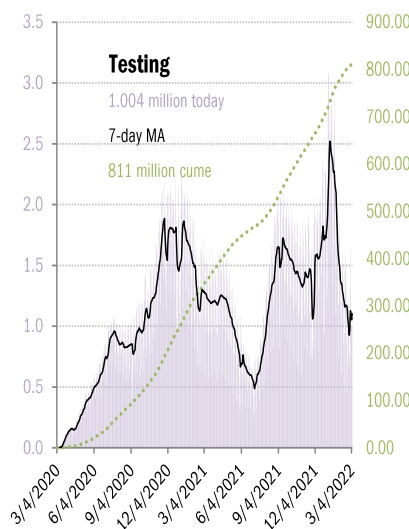
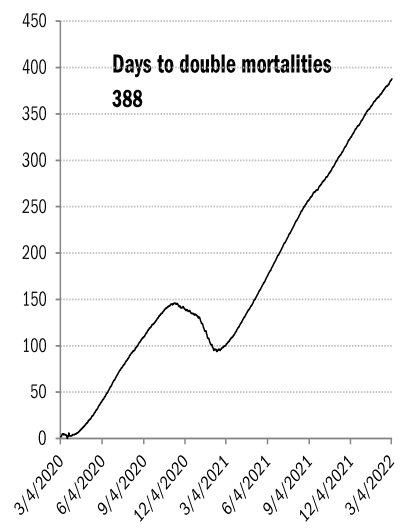
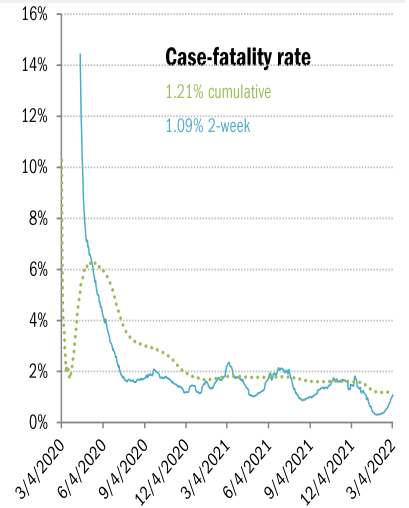
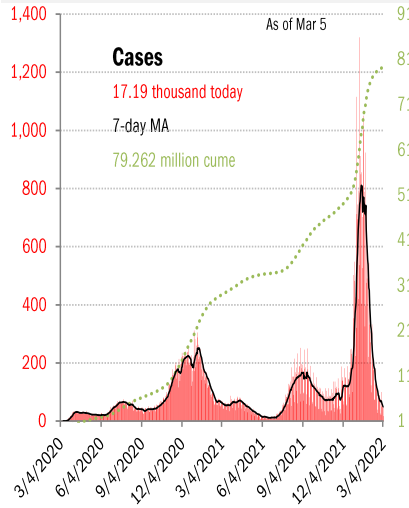
The demographics of US vaccination



Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

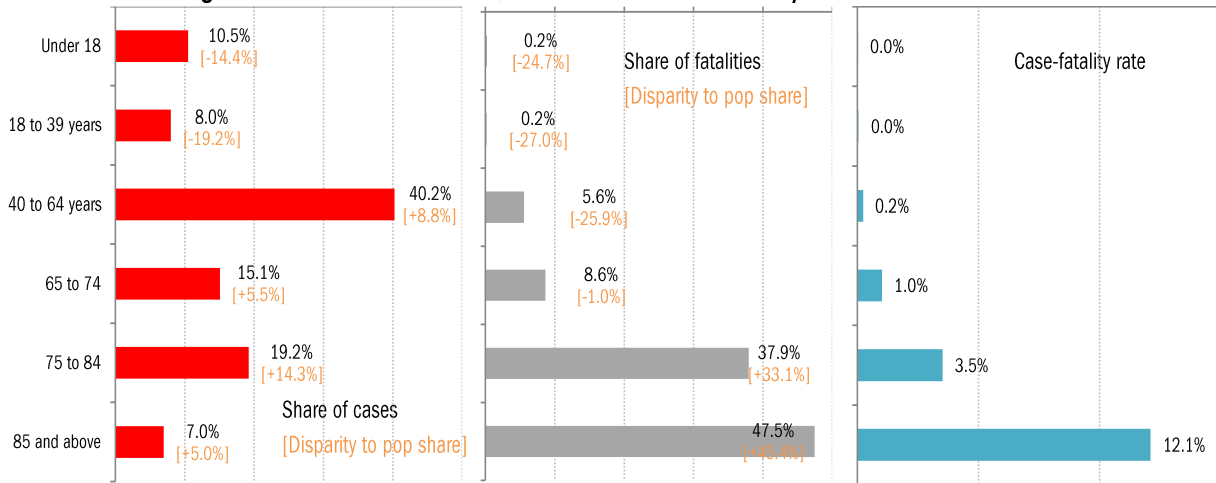
US deep-dive

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

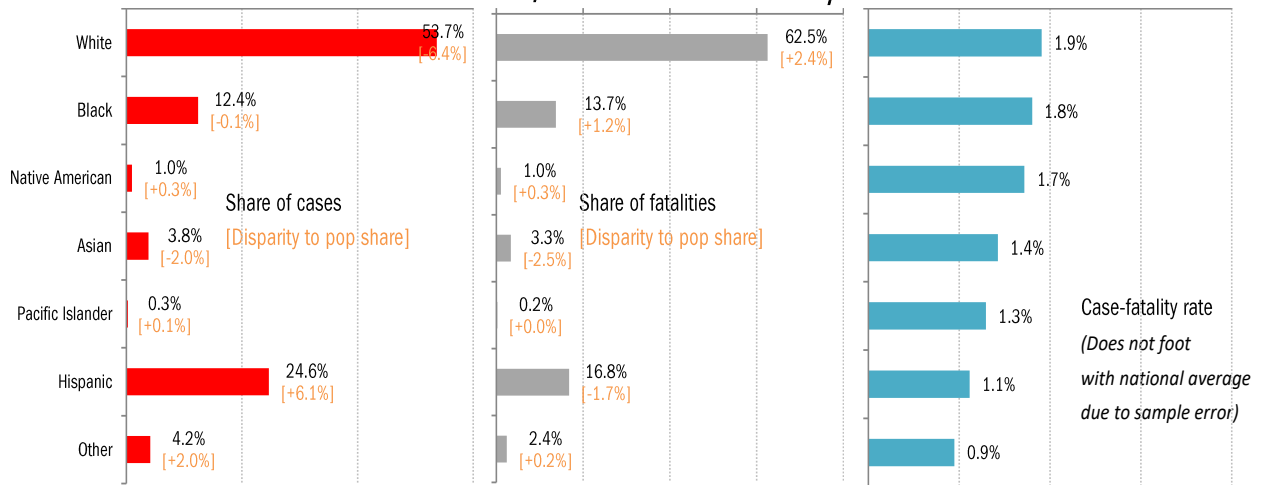


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

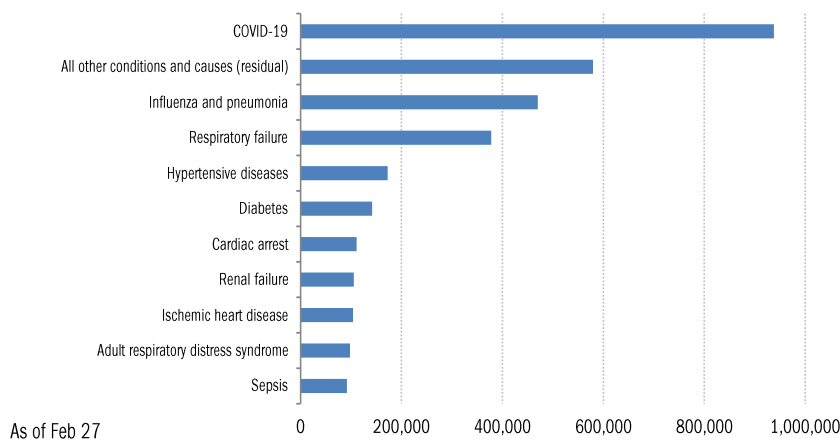


Racial distribution of US cases, fatalities and case-fatality rates



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

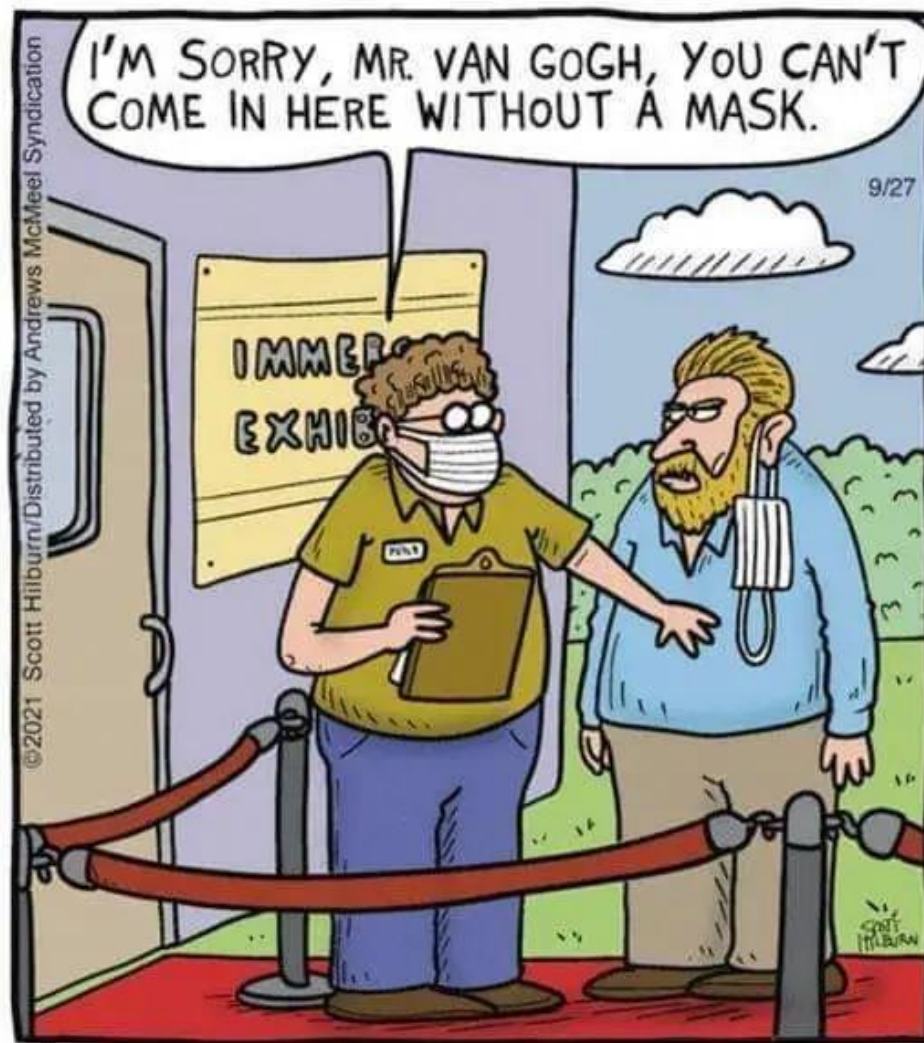
[Surgeon general launches effort to get to the bottom of Covid-19 misinformation](#)

Michael Nedelman and John Bonifield

CNN

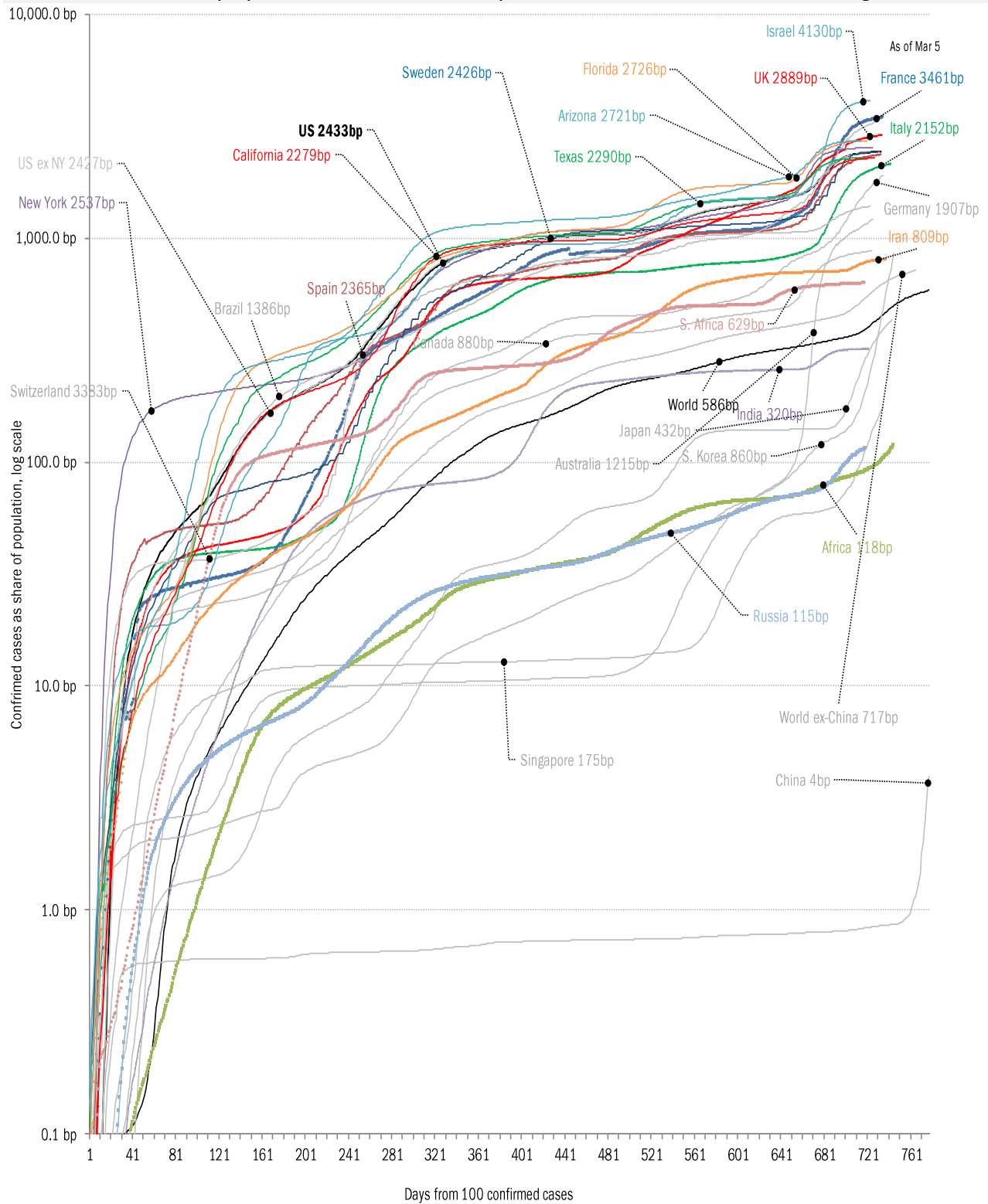
March 3, 2022

Meme of the day



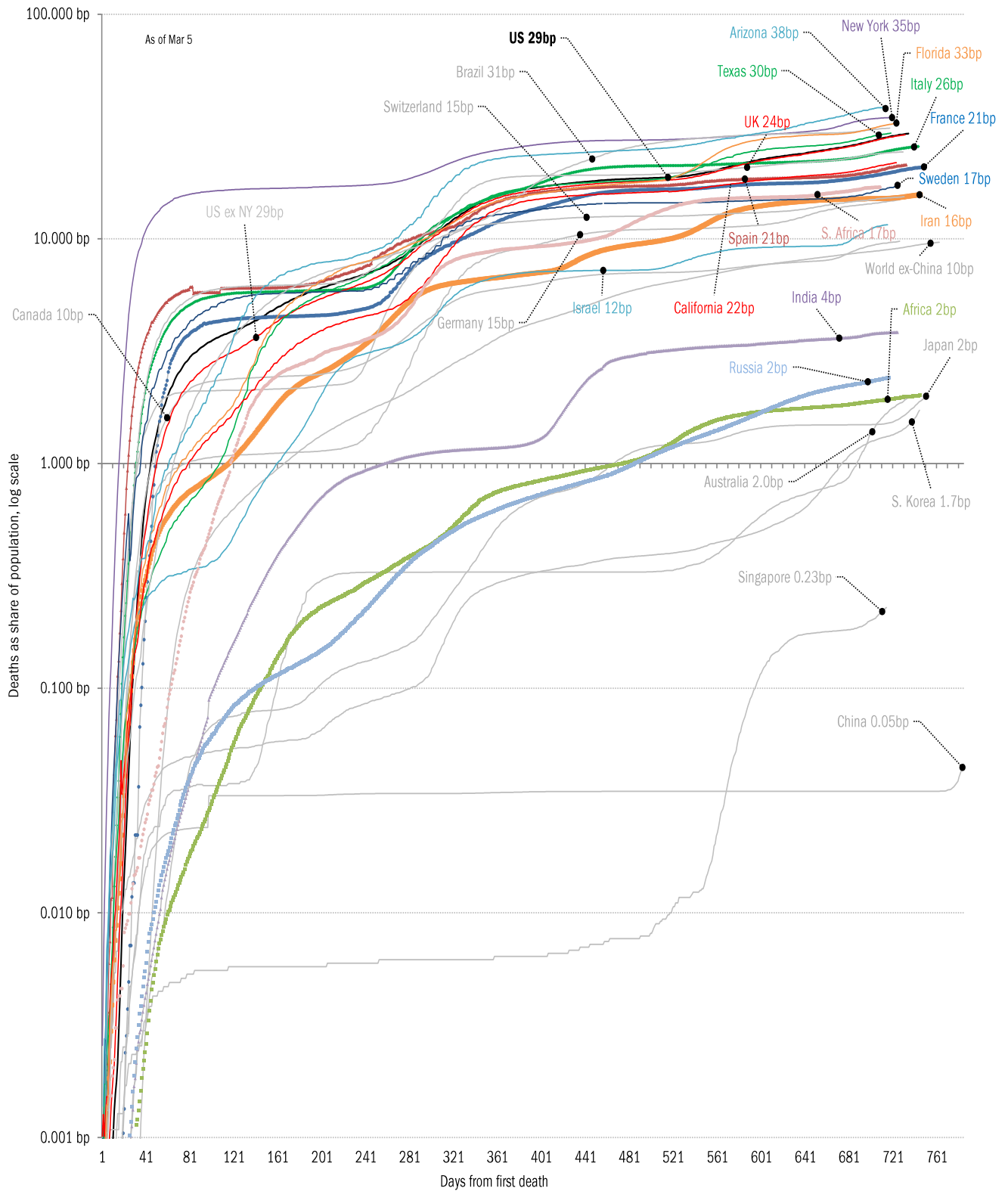
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

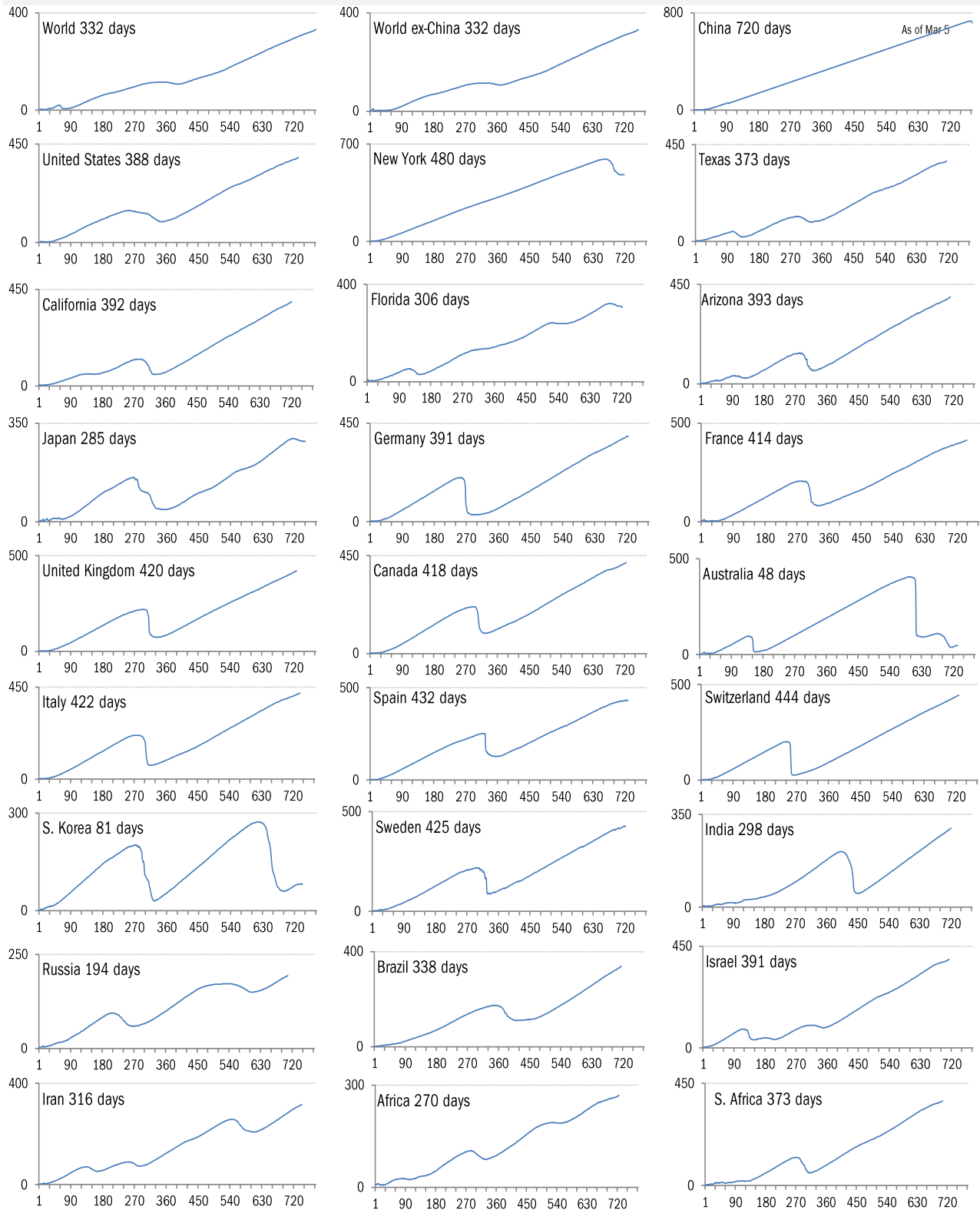


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

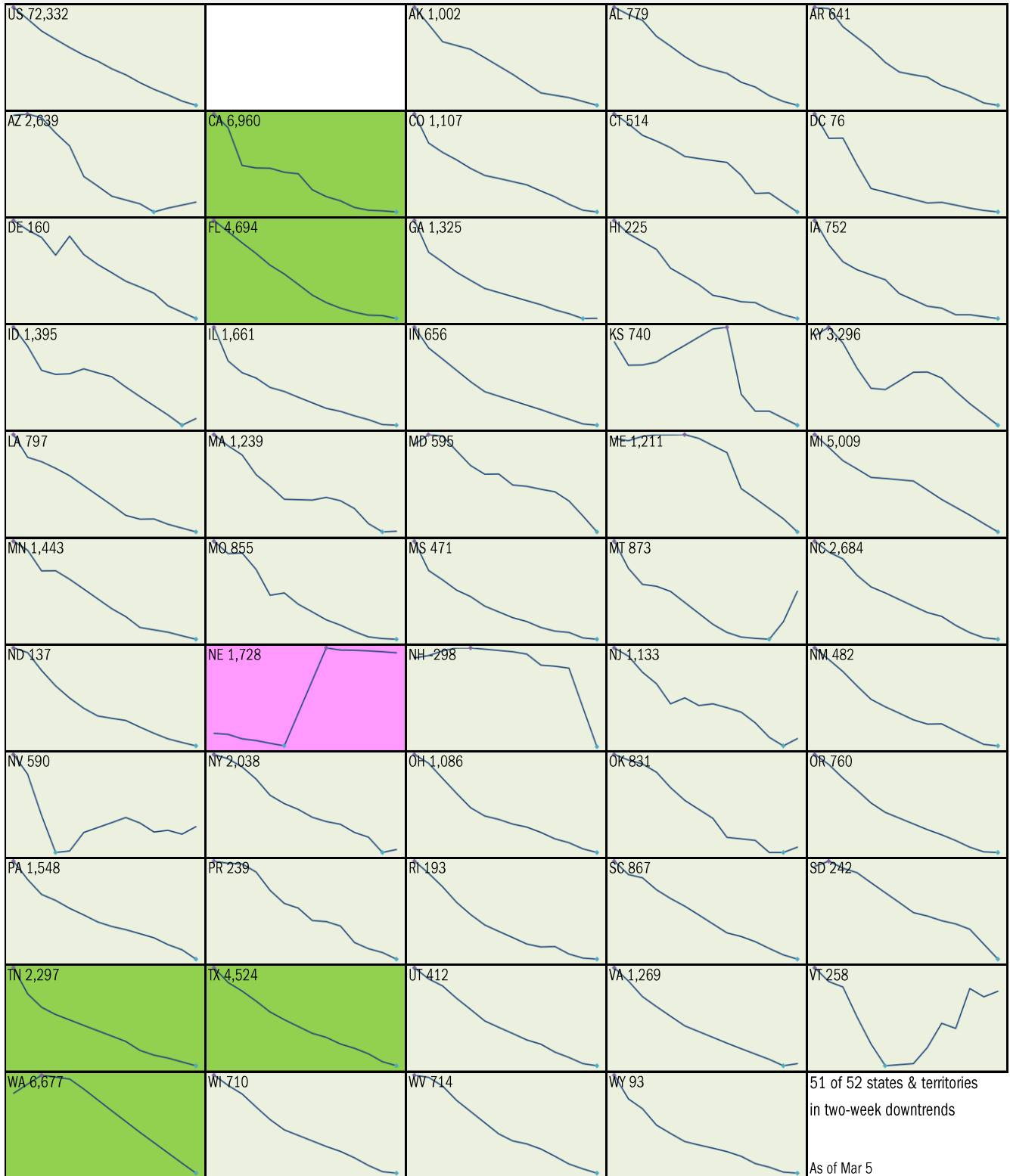
Vertical: days to double deaths Horizontal: days from first death

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

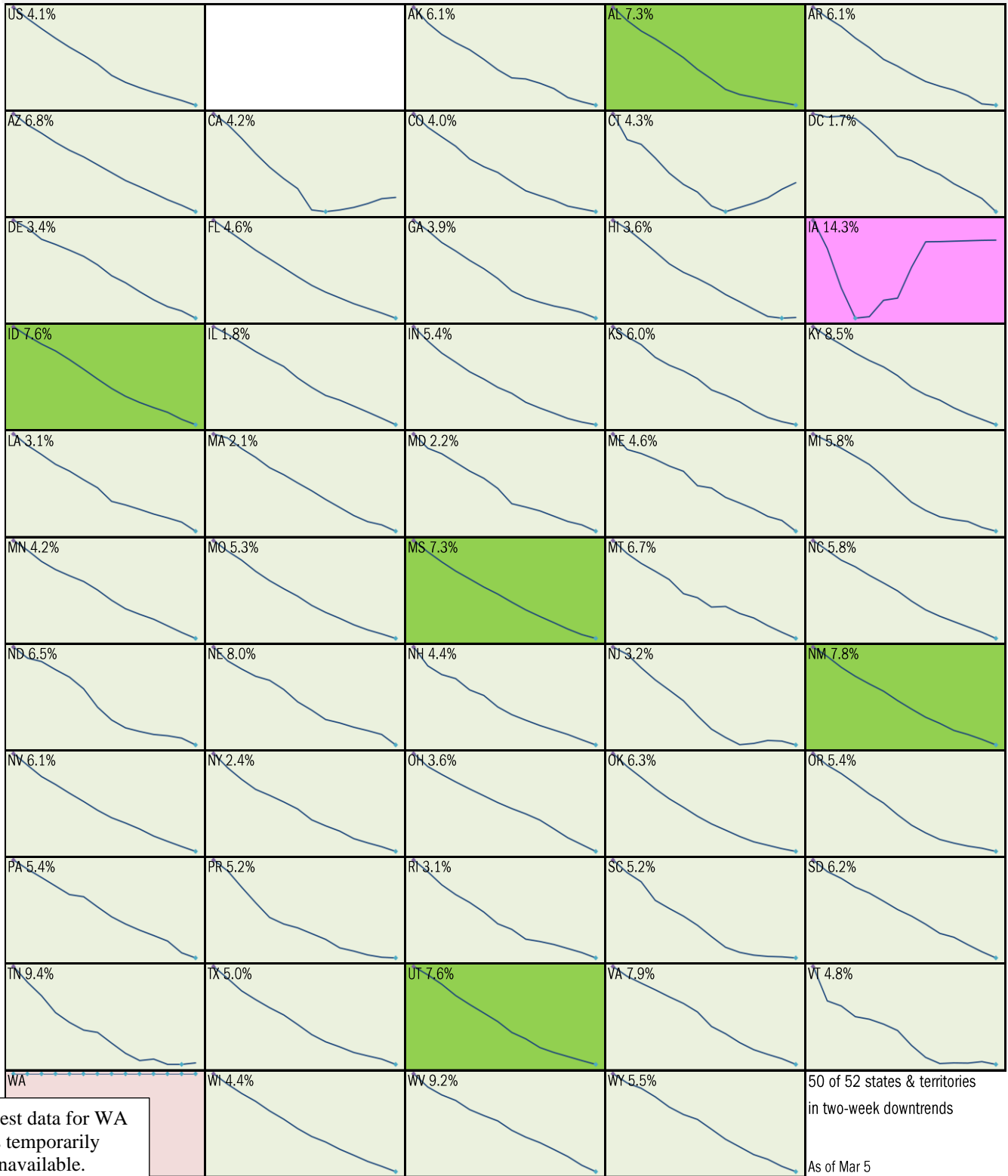


Source: [Johns Hopkins](#), TrendMacro calculations

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

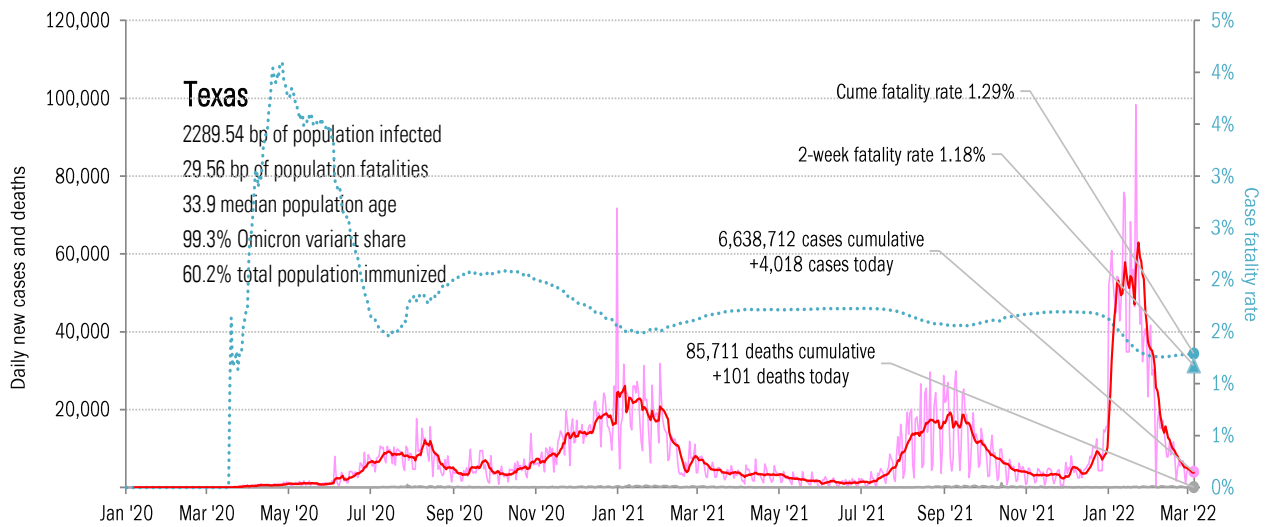
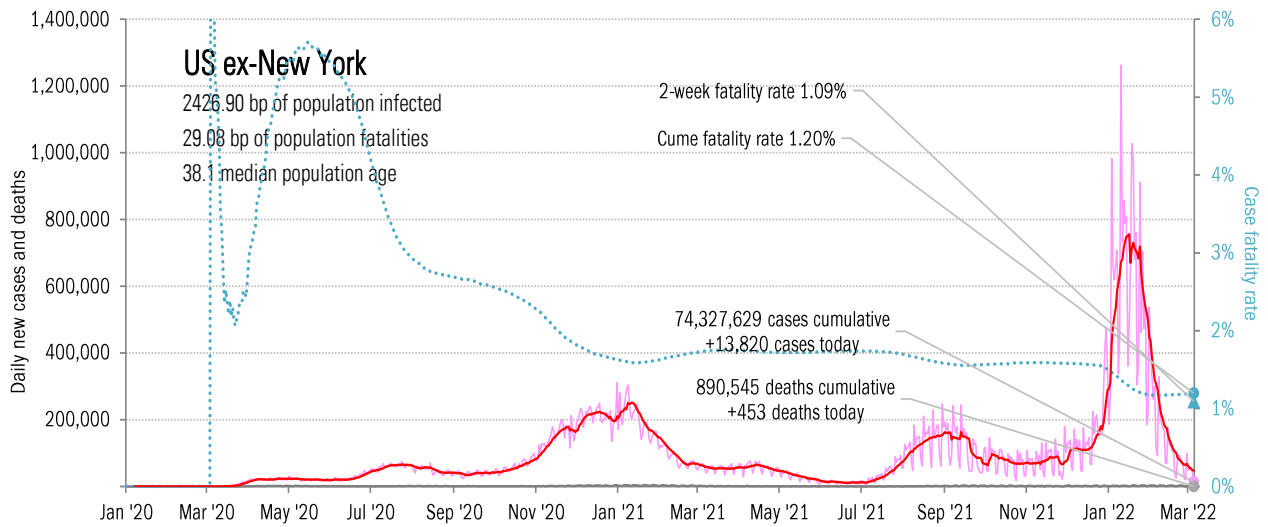
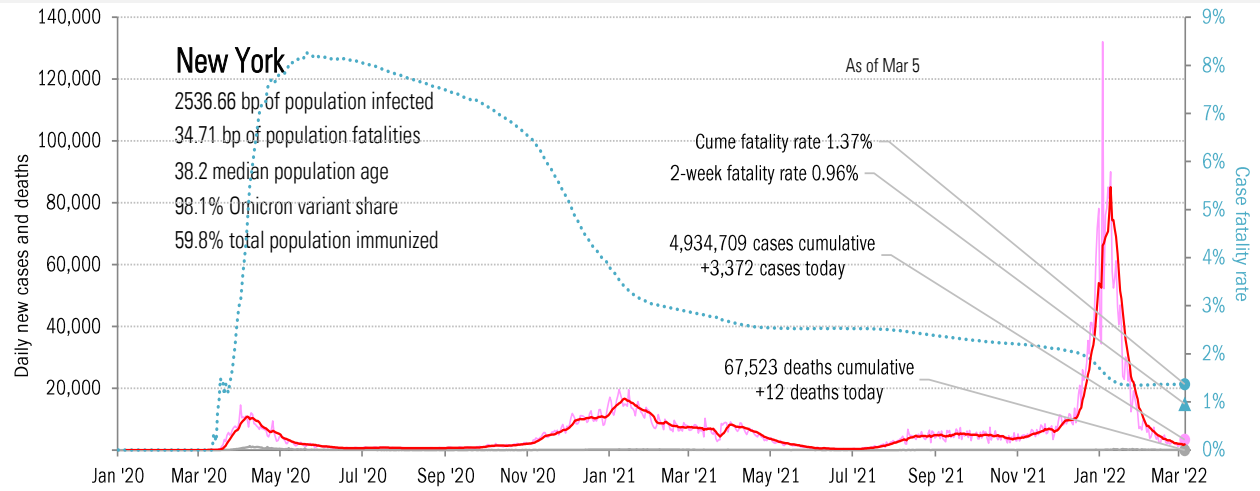


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

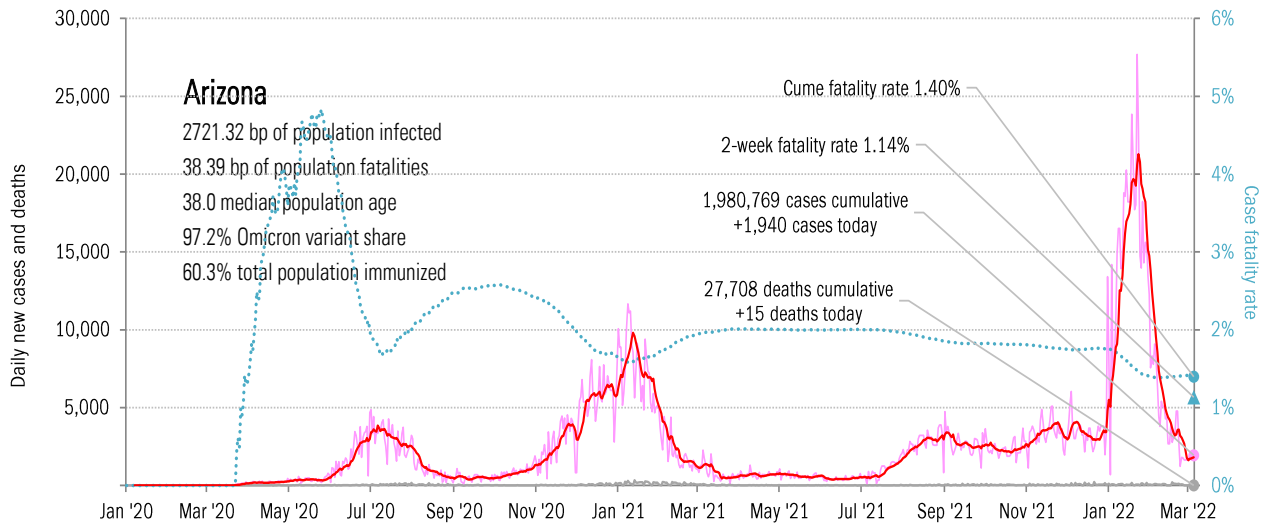
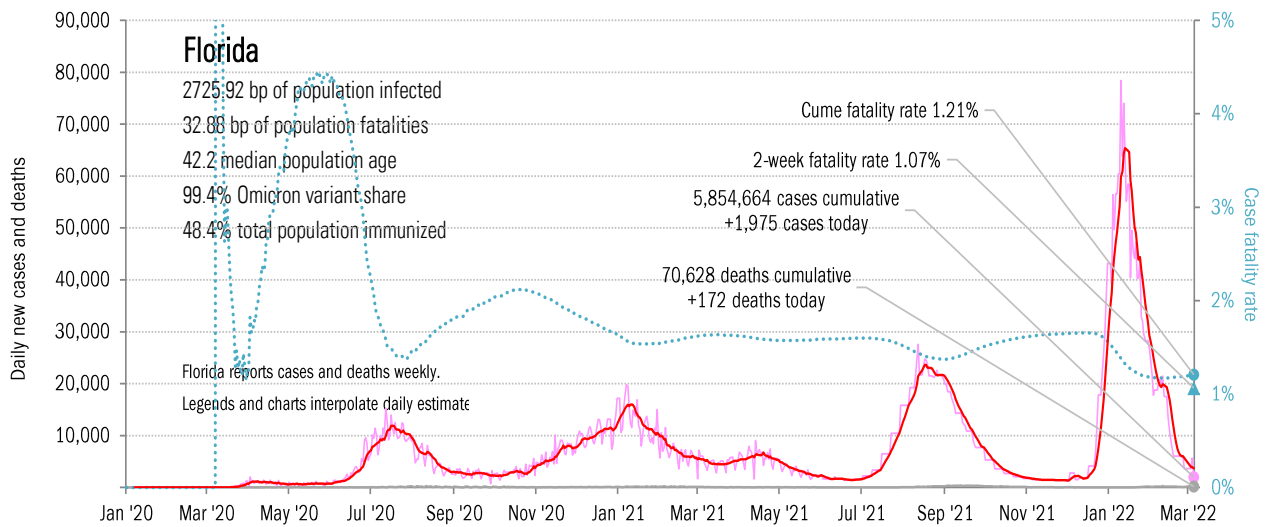
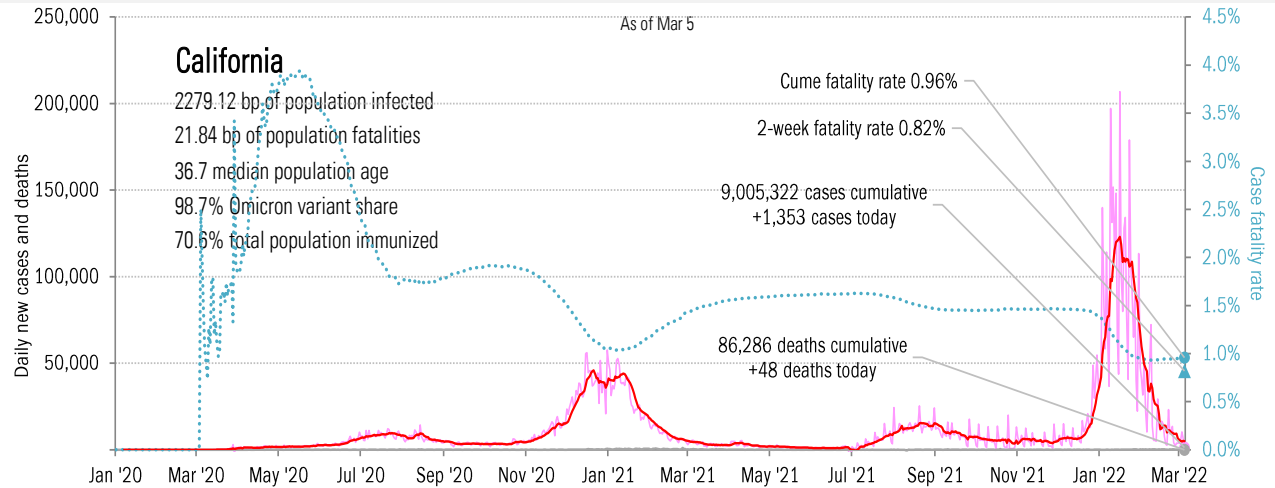
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

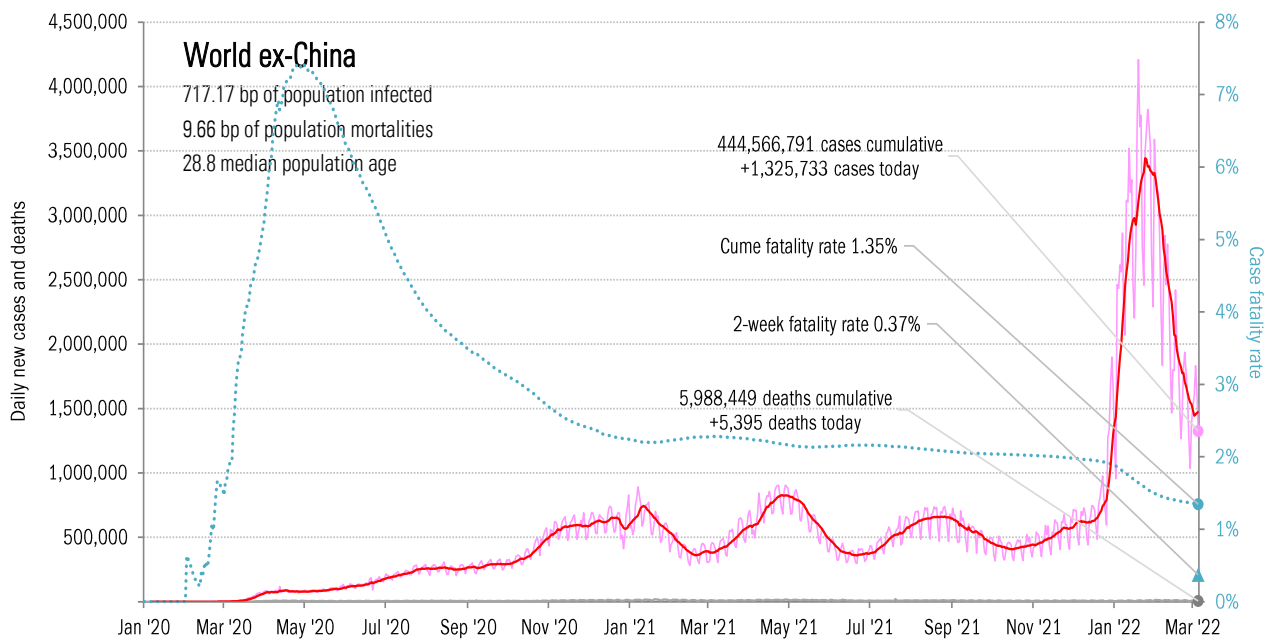
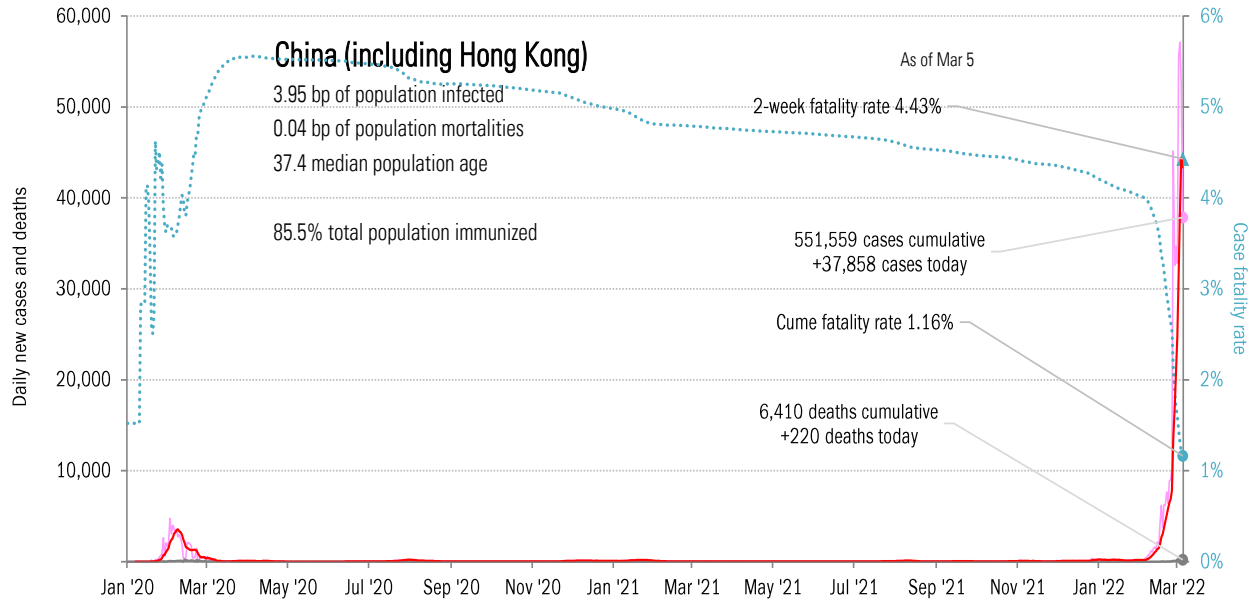
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

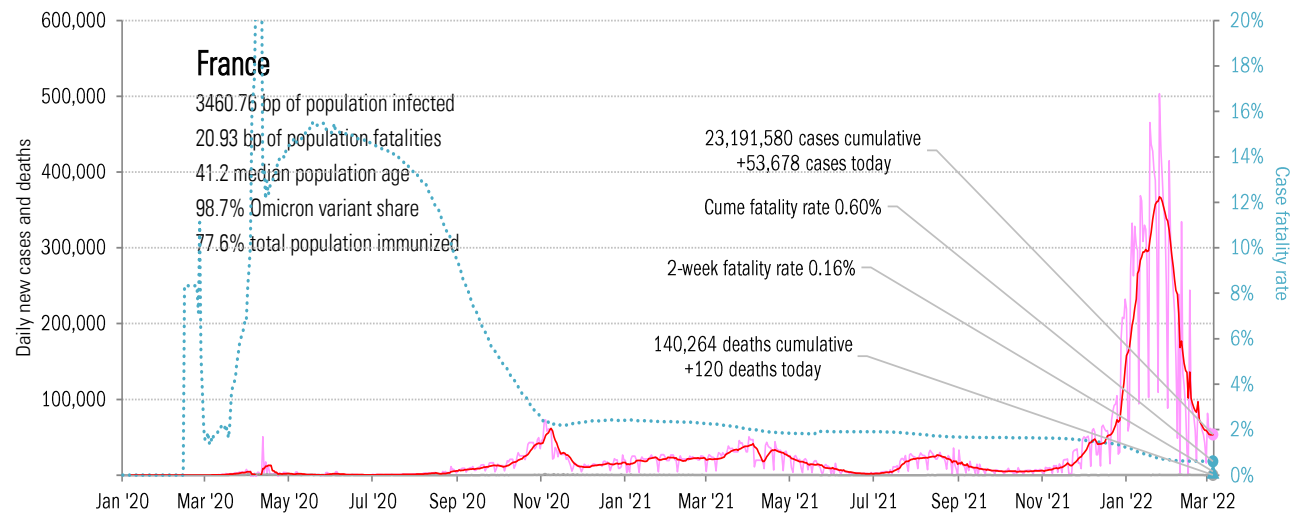
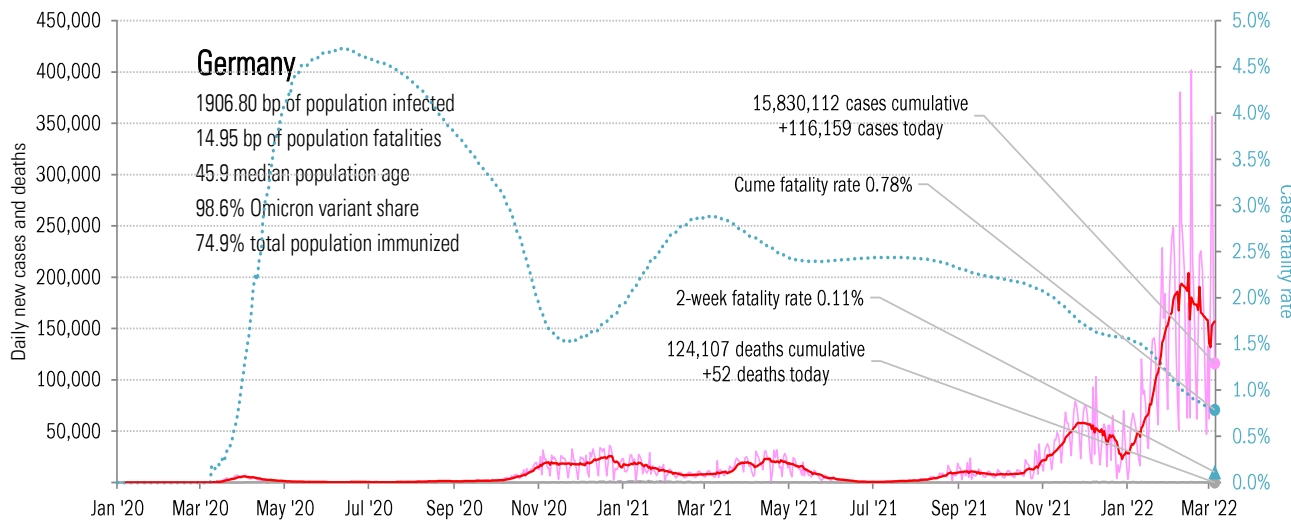
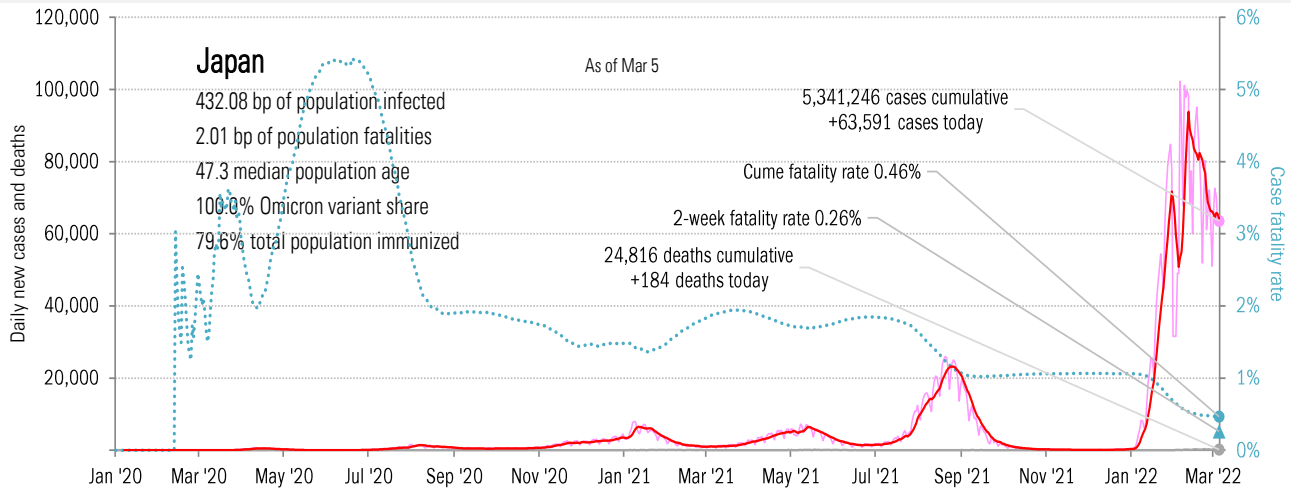
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

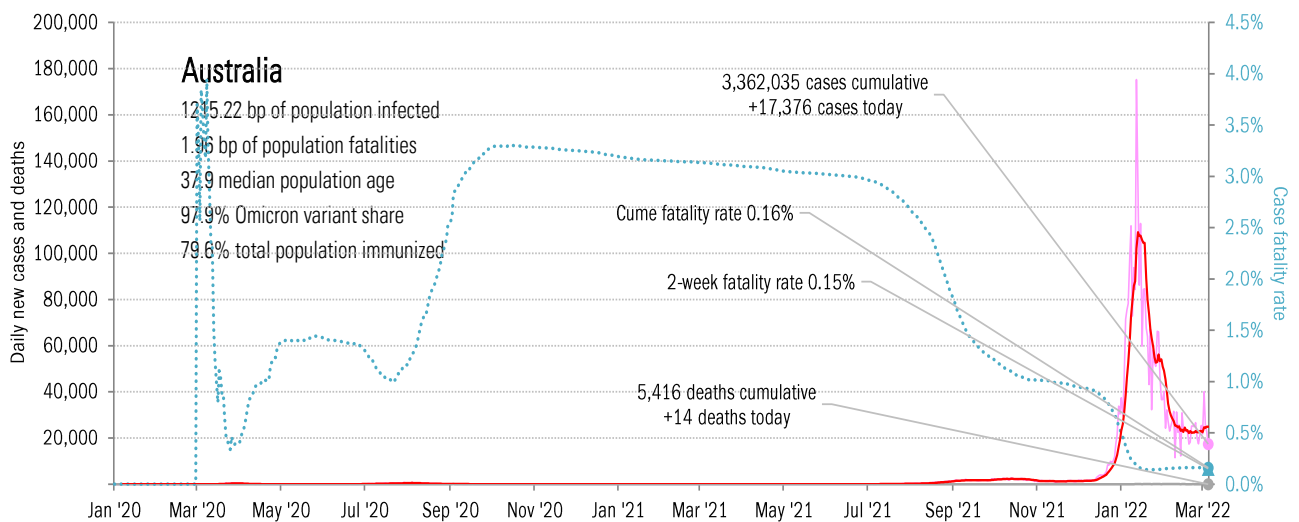
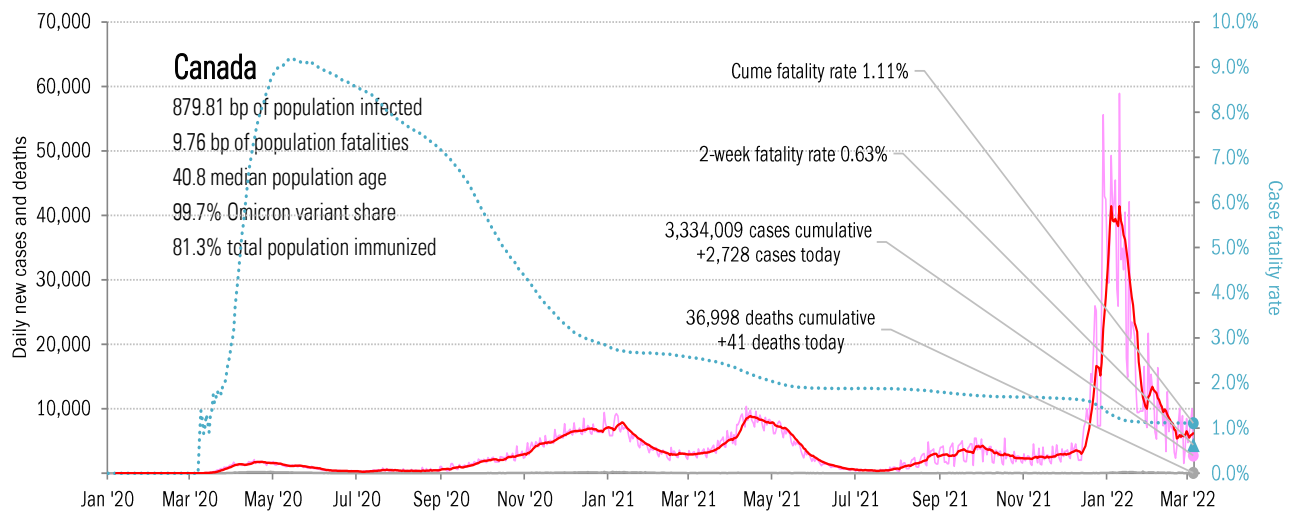
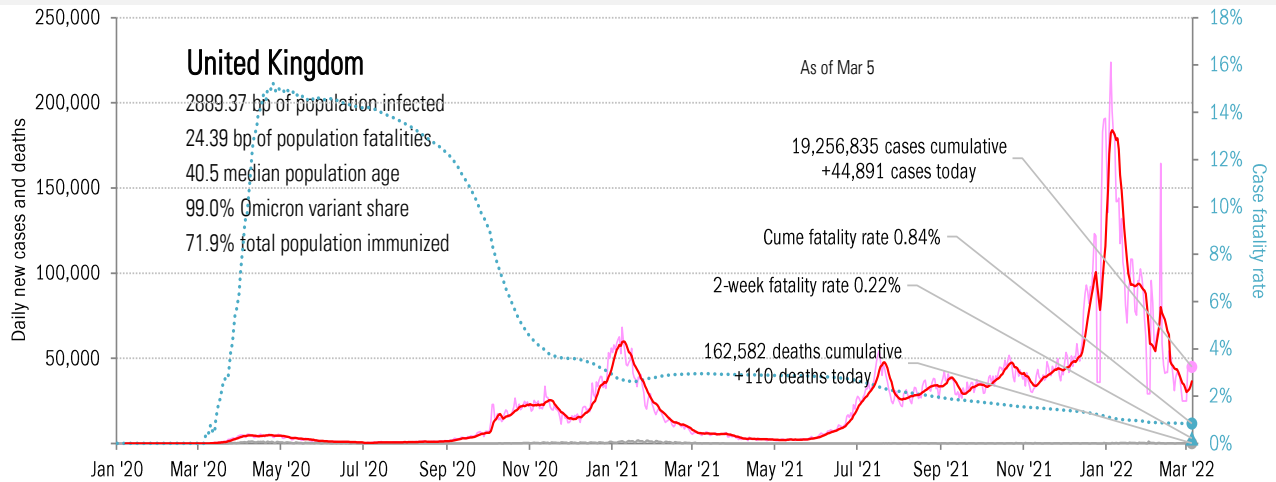
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

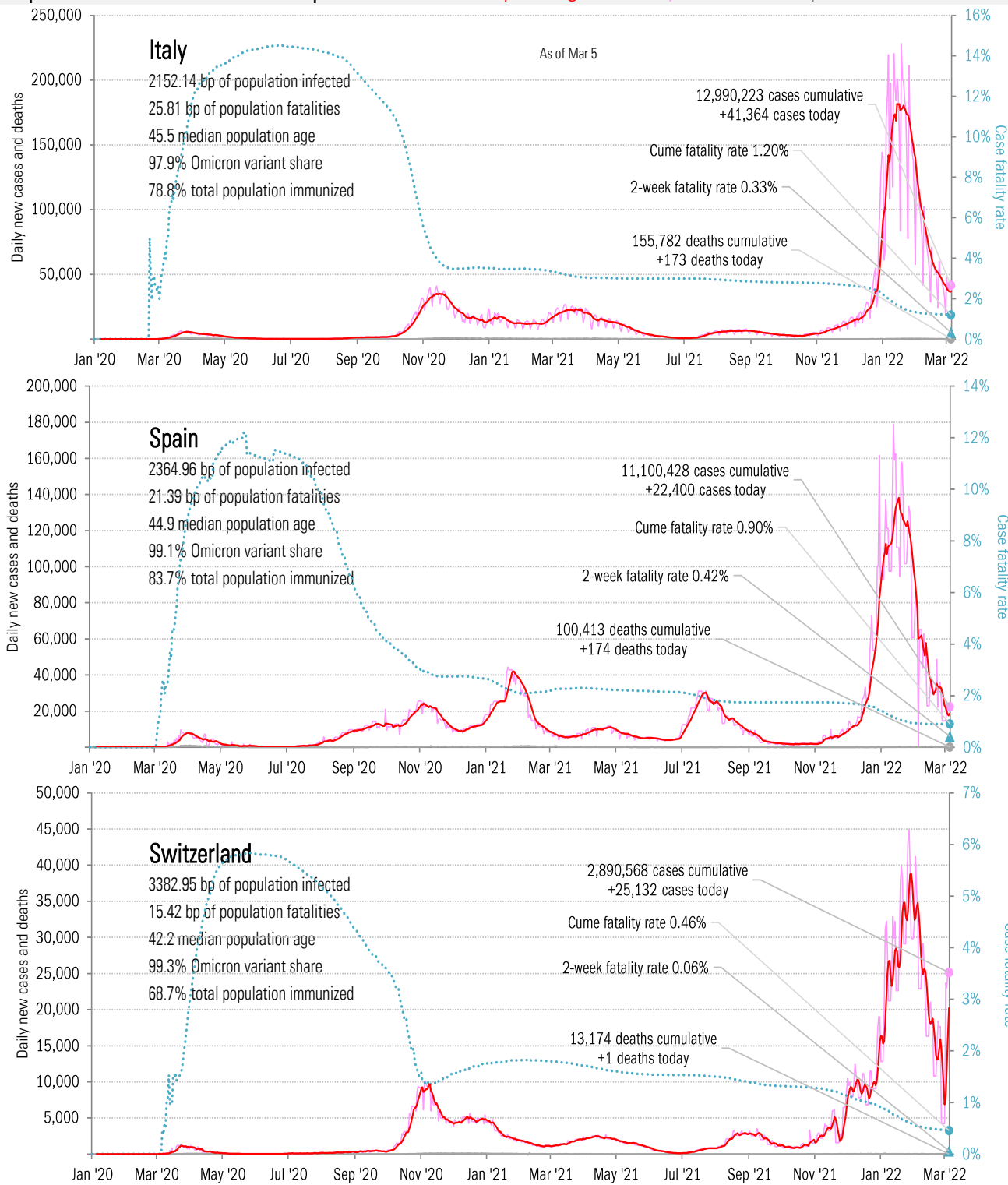
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

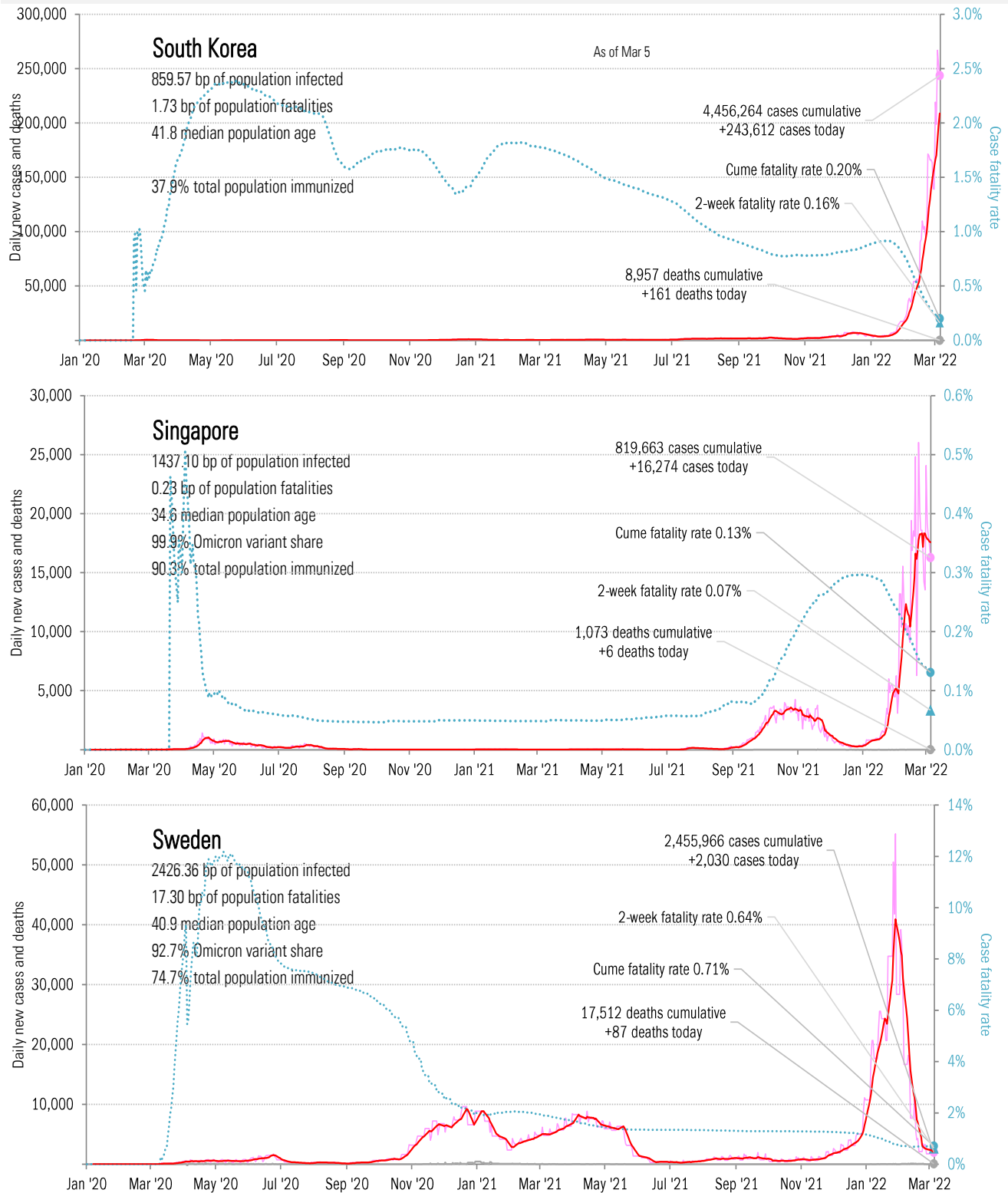
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

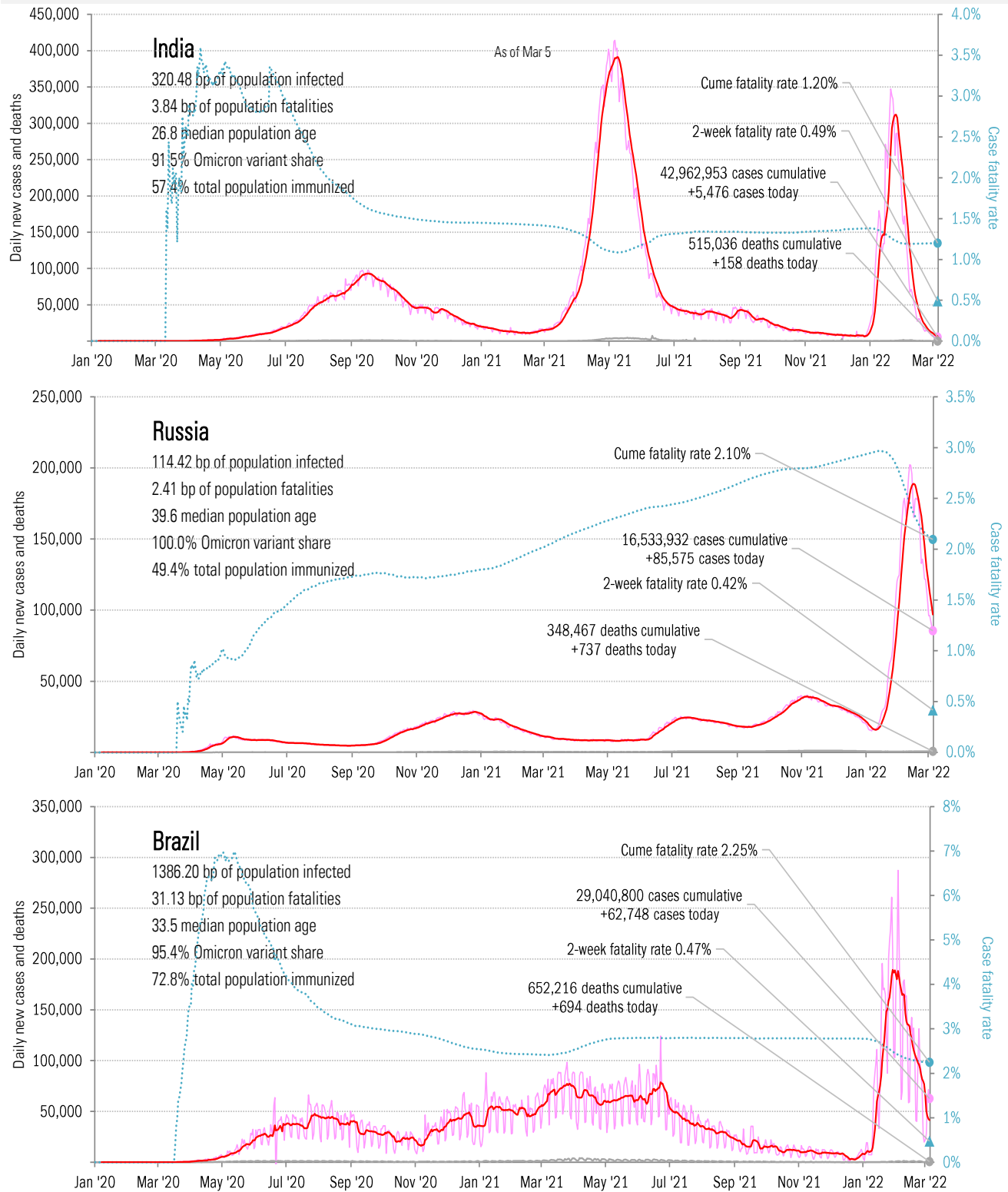
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

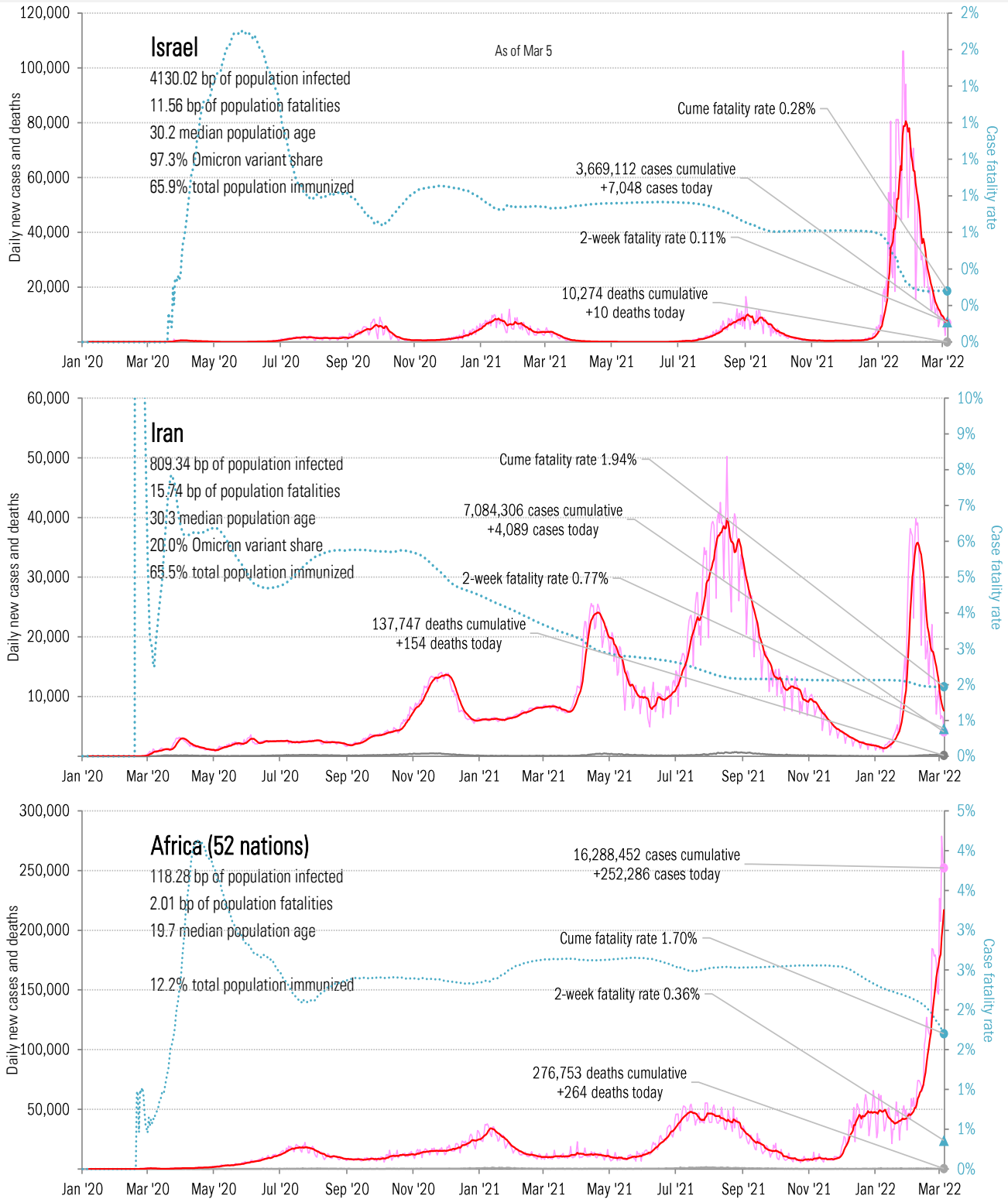
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

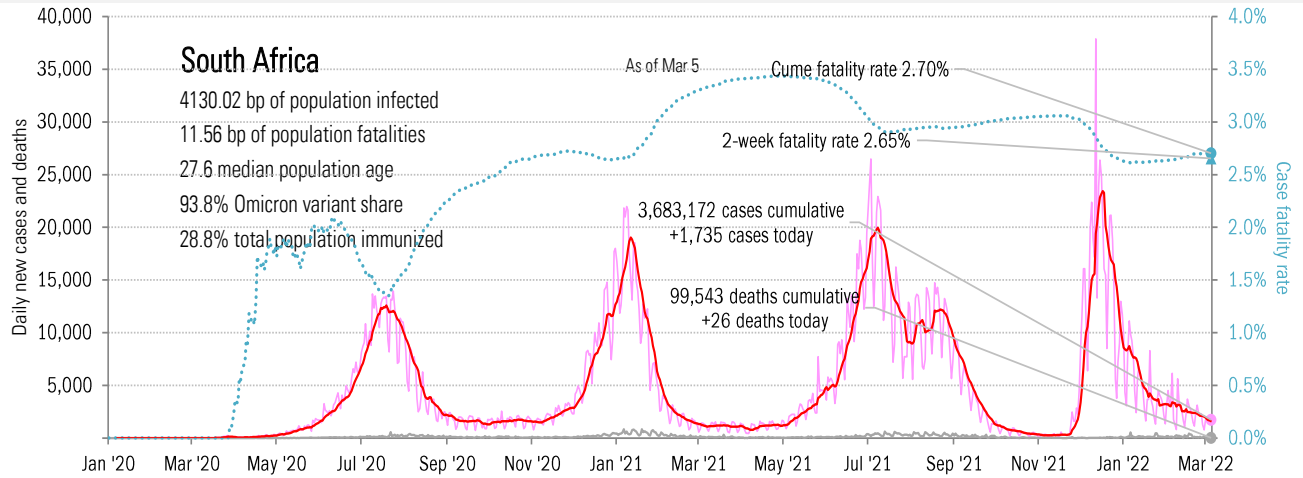
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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