

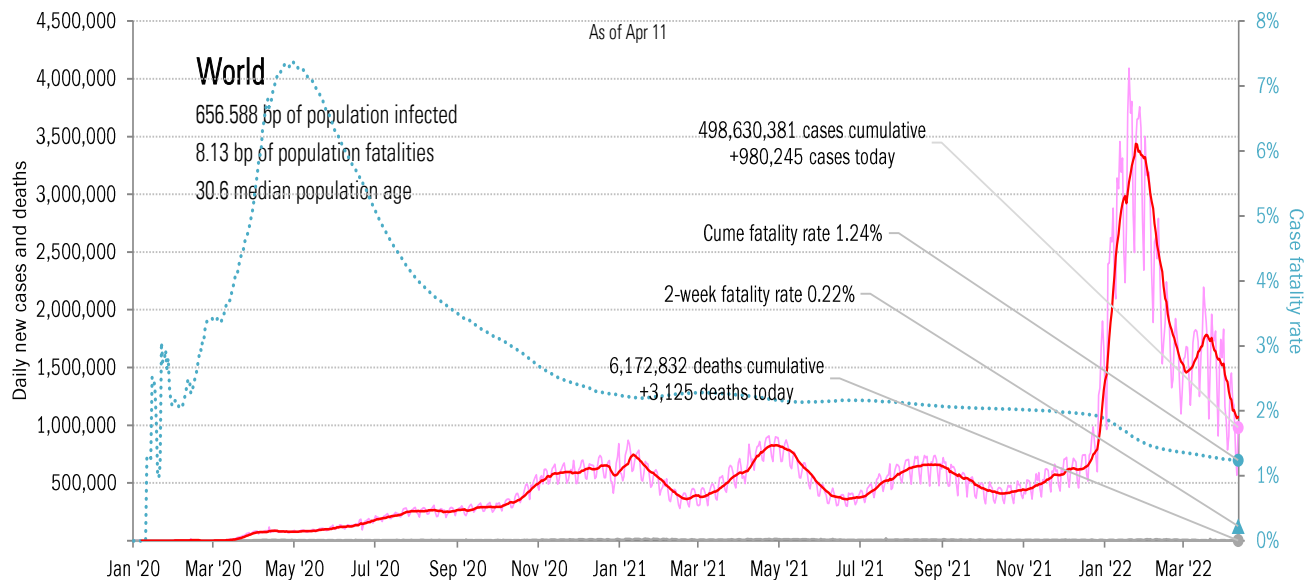
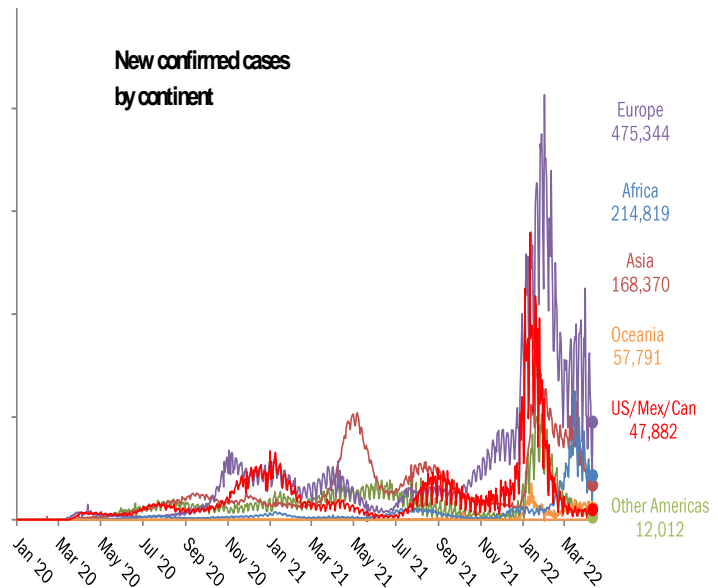
Data Insights: Covid-2019 Monitor

Tuesday, April 12, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

| The worst ten countries | | | |
|-------------------------|---------|----------------|-------|
| New cases | | New Deaths | |
| Korea, South | 210,676 | United States | 556 |
| Germany | 200,442 | United Kingdom | 348 |
| United Kingdom | 91,352 | Germany | 289 |
| Vietnam | 51,924 | Russia | 241 |
| United States | 47,601 | France | 178 |
| Australia | 46,267 | Korea, South | 171 |
| Japan | 33,096 | Italy | 115 |
| Italy | 28,705 | Thailand | 101 |
| Belgium | 28,099 | Belgium | 82 |
| China | 26,517 | Greece | 75 |
| 764,679 | | 2,156 | |
| World | 980,245 | World | 3,125 |
| Top ten | 78% | Top ten | 69% |



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

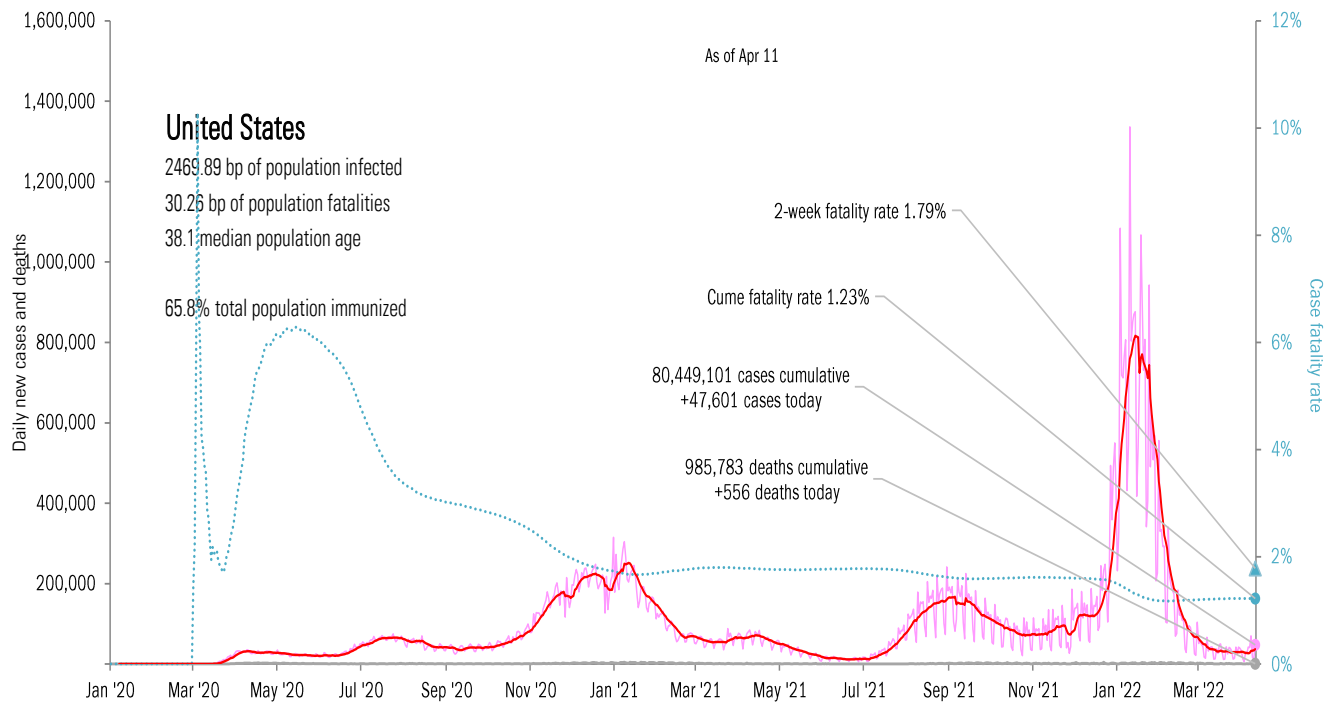
The ten worst US states

| New cases | | | New deaths | | New in hospital | | Curre cases | | | Curre deaths | | | Curre in hospital | | | Hospital use | | ICU use | |
|---------------|--------|--|------------|-----|-----------------|-------|-------------------|------------|----|----------------|----|-----------|-------------------|-----|----|--------------|--|---------|--|
| NY | 6,166 | | AZ | 59 | IL | 170 | CA | 9,135,704 | CA | 89,403 | TX | 488,226 | RI | 89% | RI | 88% | | | |
| CA | 5,033 | | CA | 45 | NY | 157 | TX | 6,788,003 | TX | 87,717 | CA | 424,030 | MA | 84% | TX | 84% | | | |
| IL | 4,468 | | GA | 37 | GA | 69 | FL | 5,903,764 | FL | 73,691 | FL | 414,306 | MN | 83% | KY | 81% | | | |
| MA | 4,267 | | VA | 25 | AR | 32 | NY | 5,044,098 | NY | 68,067 | NY | 246,484 | MD | 81% | AK | 81% | | | |
| TX | 3,558 | | FL | 25 | IN | 28 | IL | 3,084,904 | PA | 44,425 | GA | 206,989 | WA | 81% | AL | 80% | | | |
| FL | 3,050 | | OR | 19 | OH | 52 | PA | 2,789,749 | CH | 38,166 | CH | 190,514 | MO | 80% | NC | 79% | | | |
| CO | 2,943 | | NM | 14 | FL | 86 | CH | 2,676,629 | GA | 37,369 | PA | 175,961 | WV | 80% | MS | 78% | | | |
| VA | 2,370 | | IL | 13 | NJ | 43 | NC | 2,634,007 | IL | 35,911 | IL | 157,284 | CH | 78% | NM | 78% | | | |
| CT | 1,836 | | NY | 12 | PA | 46 | GA | 2,504,257 | MI | 35,776 | MI | 141,123 | GA | 78% | MA | 77% | | | |
| MD | 1,613 | | CO | 11 | MI | 53 | MI | 2,393,265 | NJ | 33,308 | KY | 132,840 | AK | 78% | WA | 76% | | | |
| 35,364 | | | 260 | | 736 | | 42,954,380 | | | 543,833 | | | 2,577,757 | | | | | | |
| All states | 47,601 | | | 556 | | 1,499 | All states | 80,449,101 | | 985,783 | | 4,680,690 | All states | 70% | | 67% | | | |
| Top ten | 74% | | | 47% | | 49% | Top ten | 53% | | 55% | | 55% | Median | 72% | | 70% | | | |

Some states not reporting

Five most improved US states

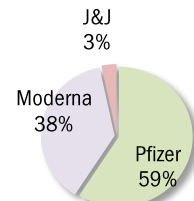
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | | Most pop immunity growth | |
|-------------------|------|------------------|-----|----------------------------|-----|--------------------------|--------|
| NJ | -692 | FL | -87 | WA | -32 | CA | +10 bp |
| FR | -609 | PA | -6 | CA | -18 | TX | +10 bp |
| DE | -54 | TX | -2 | MD | -16 | AK | +0 bp |
| PA | -31 | FR | -1 | CT | -12 | AL | +0 bp |
| AK | 0 | AK | 0 | NE | -11 | AR | +0 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 | 581,052,416 | | +0.174 million | US | 65.8% | 77.2% |
| Boosters | 100,065,360 | | +0.031 million | UK | 72.6% | 77.5% |
| | One dose | % Pop | Immune | % pop | New immune today | |
| Total population | 263,966,919 | 79% | 224,688,753 | 67% | +0.027 million | France 77.8% 80.1% |
| Age 12 to 17 | 17,612,371 | 70% | 15,031,194 | 59% | +0.002 million | Spain 86.2% 88.1% |
| Age 18 to 64 | 177,715,561 | 87% | 150,777,420 | 74% | +0.013 million | Germany 75.4% 75.9% |
| Age 65 and over | 58,497,333 | 100% | 50,743,486 | 93% | +0.009 million | Italy 79.3% 84.1% |



| | |
|----|-------|
| AK | 69.5% |
| | 61.9% |

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

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

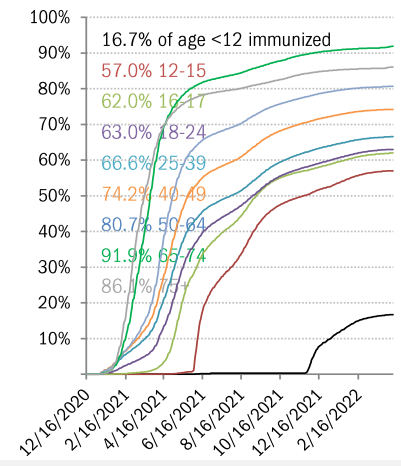
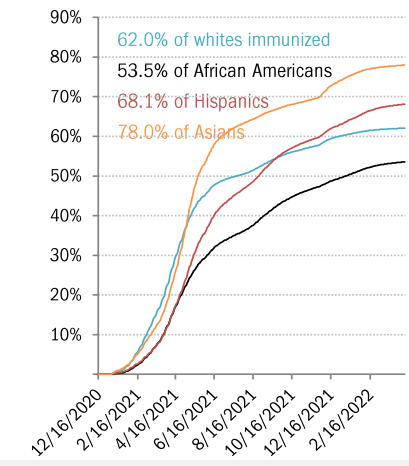
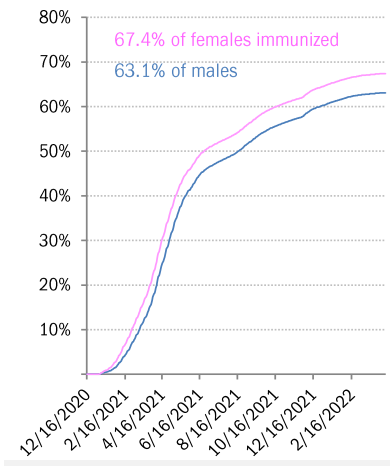
| | | |
|--------|-------|-------|
| Israel | 66.0% | 72.2% |
| Canada | 82.0% | 86.1% |
| Japan | 80.0% | 81.5% |
| Africa | 15.4% | 20.5% |
| India | 60.2% | 71.4% |
| Brazil | 75.7% | 84.9% |
| China | 86.1% | 88.5% |

Global data differs due to sources, timing

As of Apr 11

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | WI | | | | | ME |
| | | | | | 71.6% | | | | | 89.9% |
| | | | | | 65.2% | | | | | 79.1% |
| WA | ID | MT | ND | MN | IL | MI | | NY | VT | NH |
| 80.5% | 60.9% | 65.0% | 64.7% | 74.8% | 76.5% | 66.7% | | 89.8% | 93.2% | 90.5% |
| 72.2% | 53.8% | 56.5% | 54.7% | 68.9% | 68.4% | 59.9% | | 76.5% | 80.8% | 69.7% |
| OR | NV | WY | SD | IA | IN | OH | PA | NJ | MA | |
| 77.6% | 74.8% | 58.5% | 75.9% | 67.7% | 61.2% | 63.4% | 84.3% | 90.0% | 95.0% | |
| 69.3% | 60.4% | 51.3% | 60.8% | 61.7% | 54.6% | 58.2% | 67.9% | 75.2% | 78.4% | |
| CA | UT | CO | NE | MO | KY | WV | VA | MD | CT | RI |
| 82.8% | 71.9% | 79.0% | 70.0% | 65.9% | 65.9% | 64.7% | 85.3% | 86.5% | 95.0% | 95.0% |
| 71.4% | 64.0% | 69.9% | 63.3% | 55.7% | 57.2% | 57.3% | 72.8% | 75.8% | 78.7% | 81.9% |
| | AZ | NM | KS | AR | TN | NC | SC | DC | DE | |
| | 72.5% | 87.1% | 74.2% | 66.4% | 61.9% | 83.5% | 67.2% | 95.0% | 82.6% | |
| | 61.1% | 70.6% | 61.0% | 54.1% | 54.2% | 60.4% | 56.6% | 73.3% | 68.6% | |
| | | | OK | LA | MS | AL | GA | | | |
| | | | 70.7% | 60.8% | 59.3% | 62.4% | 65.0% | | | |
| | | | 56.8% | 53.3% | 51.6% | 50.8% | 54.4% | | | |
| | | | TX | | | | | FL | | PR |
| | | | 72.5% | | | | | 78.9% | | 94.6% |
| | | | 61.1% | | | | | 66.6% | | 82.6% |

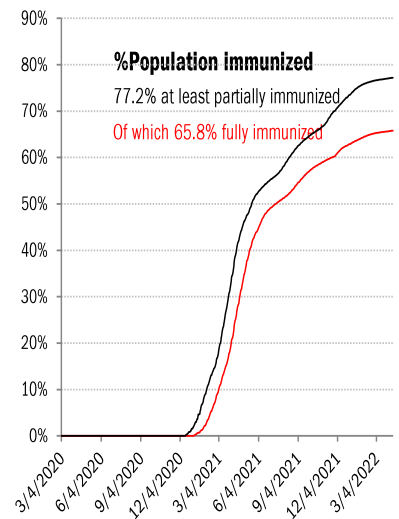
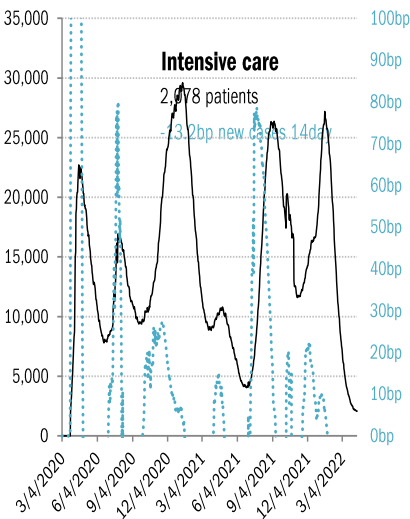
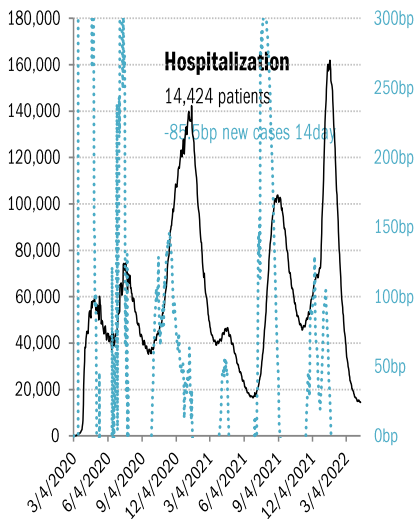
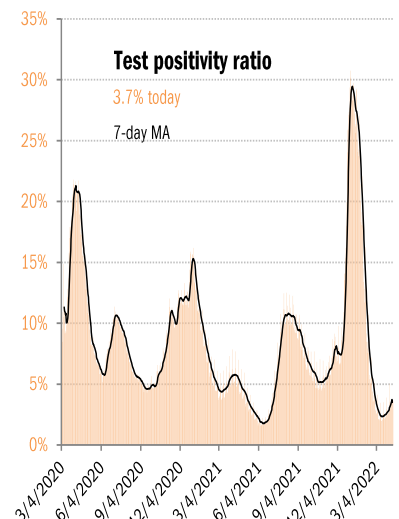
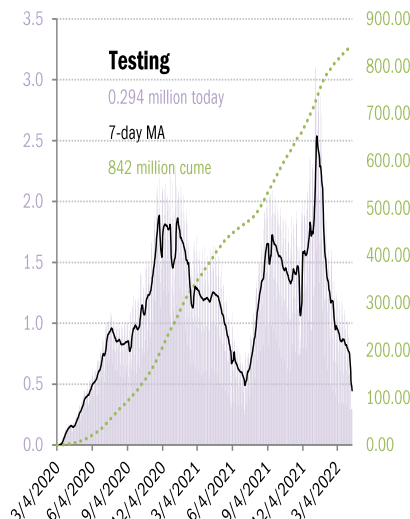
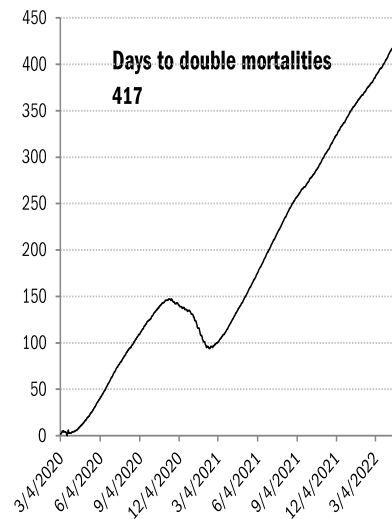
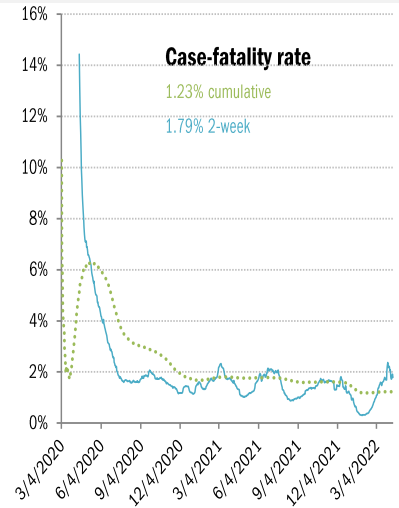
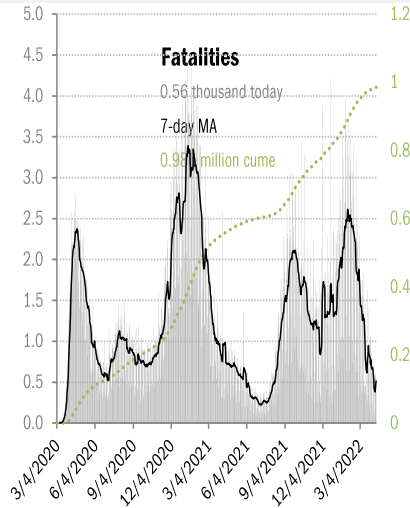
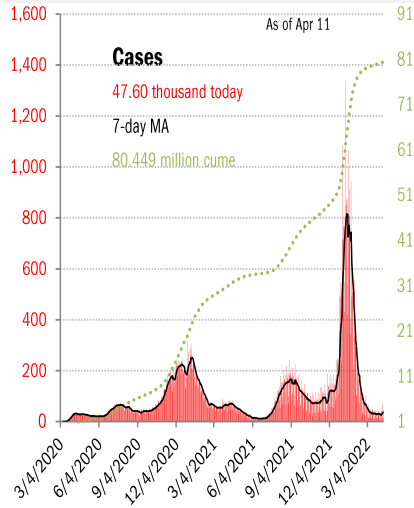
The demographics of US vaccination



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

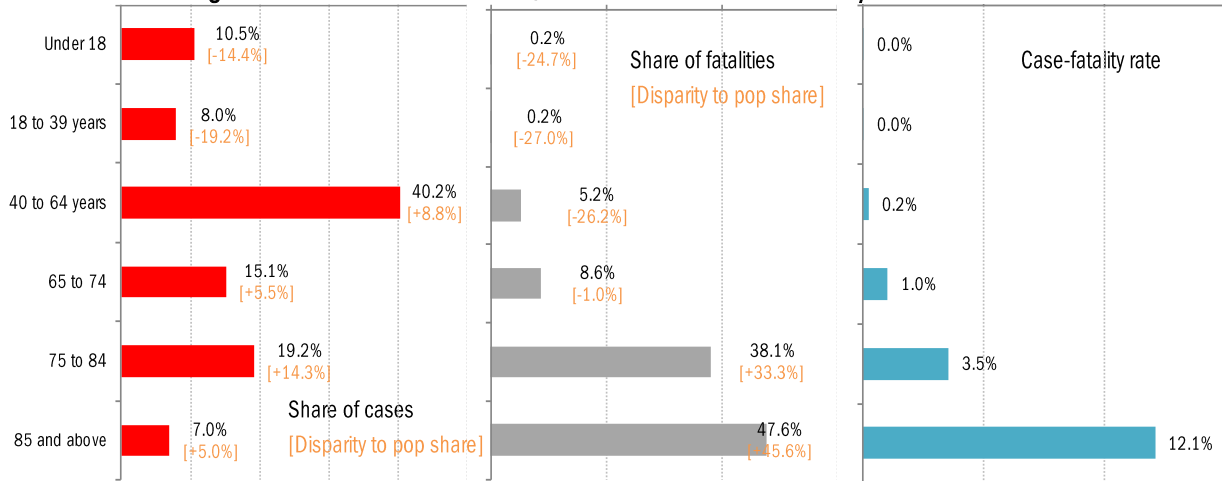
US deep-dive

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

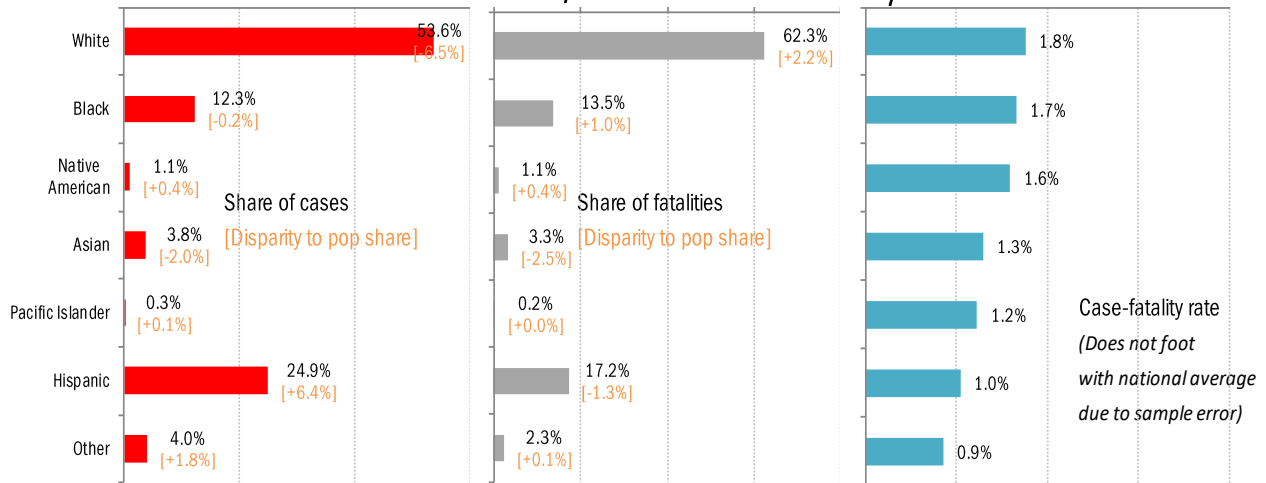


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

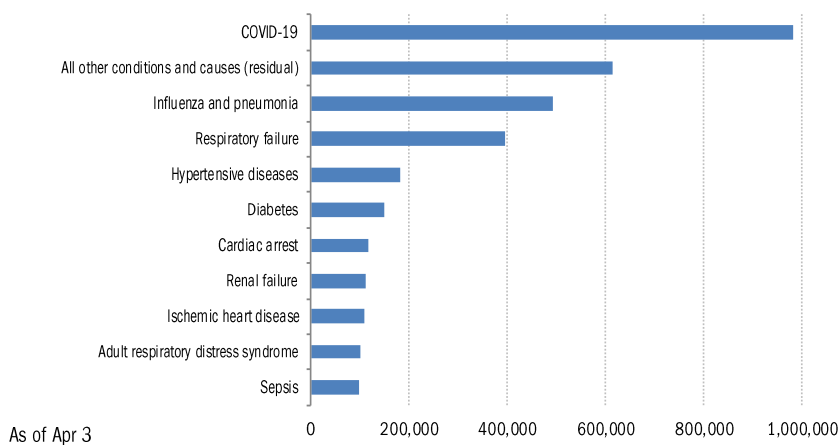


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Apr 3

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

[The Folly of World-Wide Covid Vaccination](#)

Allysia Finley
Wall Street Journal
April 11, 2022

[Philadelphia reimposes indoor mask mandate in response to rising omicron BA.2 cases](#)

Paul Best
Fox News
April 11, 2022

[European Plague Doctor Garb Was Black, Beaked, and Very Bleak](#)

Isaac Schultz
Atlas Obscura
April 2, 2022

[For the First Time, Scientists Found Microplastics in Human Lungs—And We Should All Be Concerned](#)

Caroline Dilbert
Popular Mechanics
April 7, 2022

[With COVID mission over, Pentagon plans for next pandemic](#)

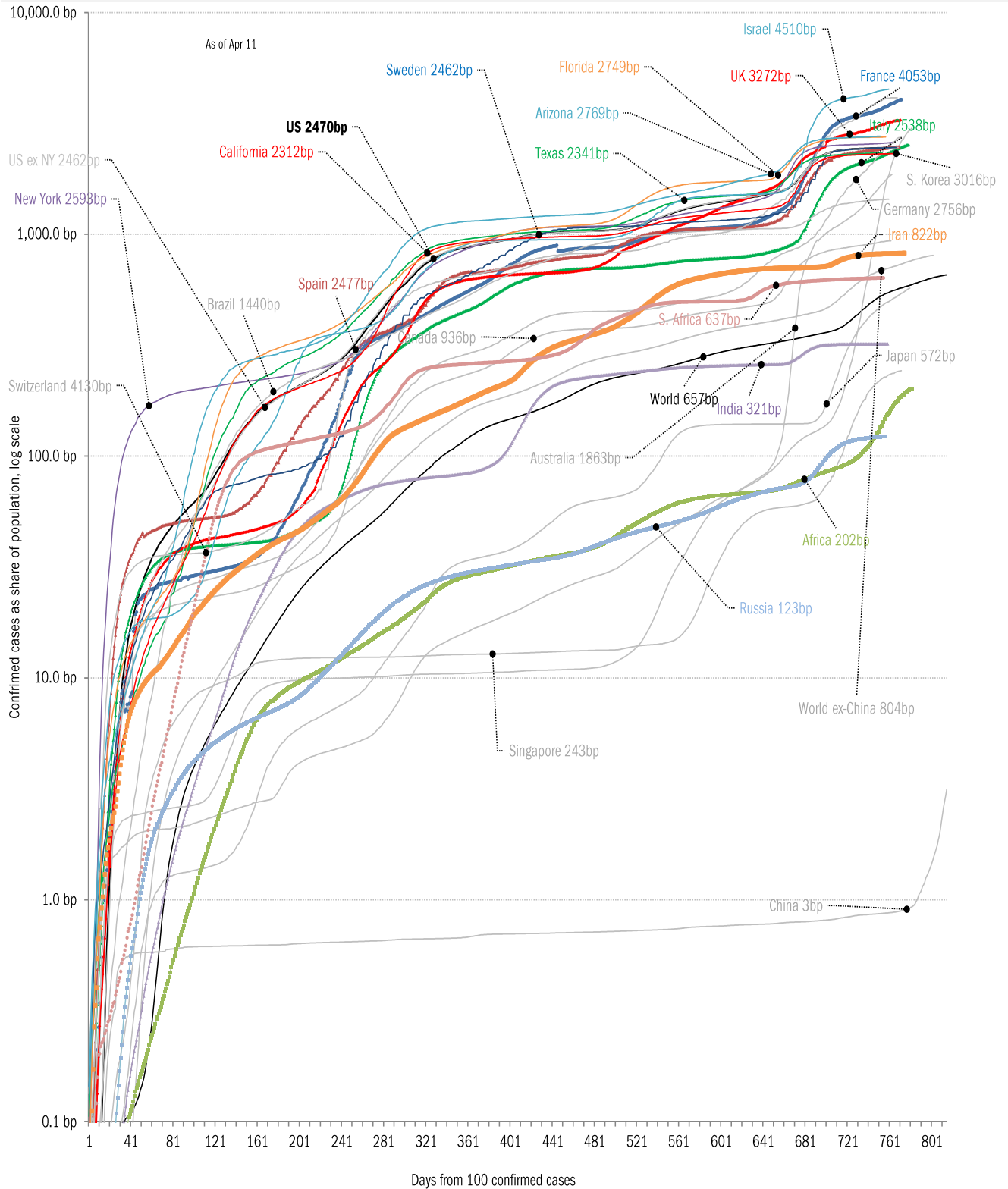
Lolita C. Baldor
AP
April 11, 2022

Meme of the day



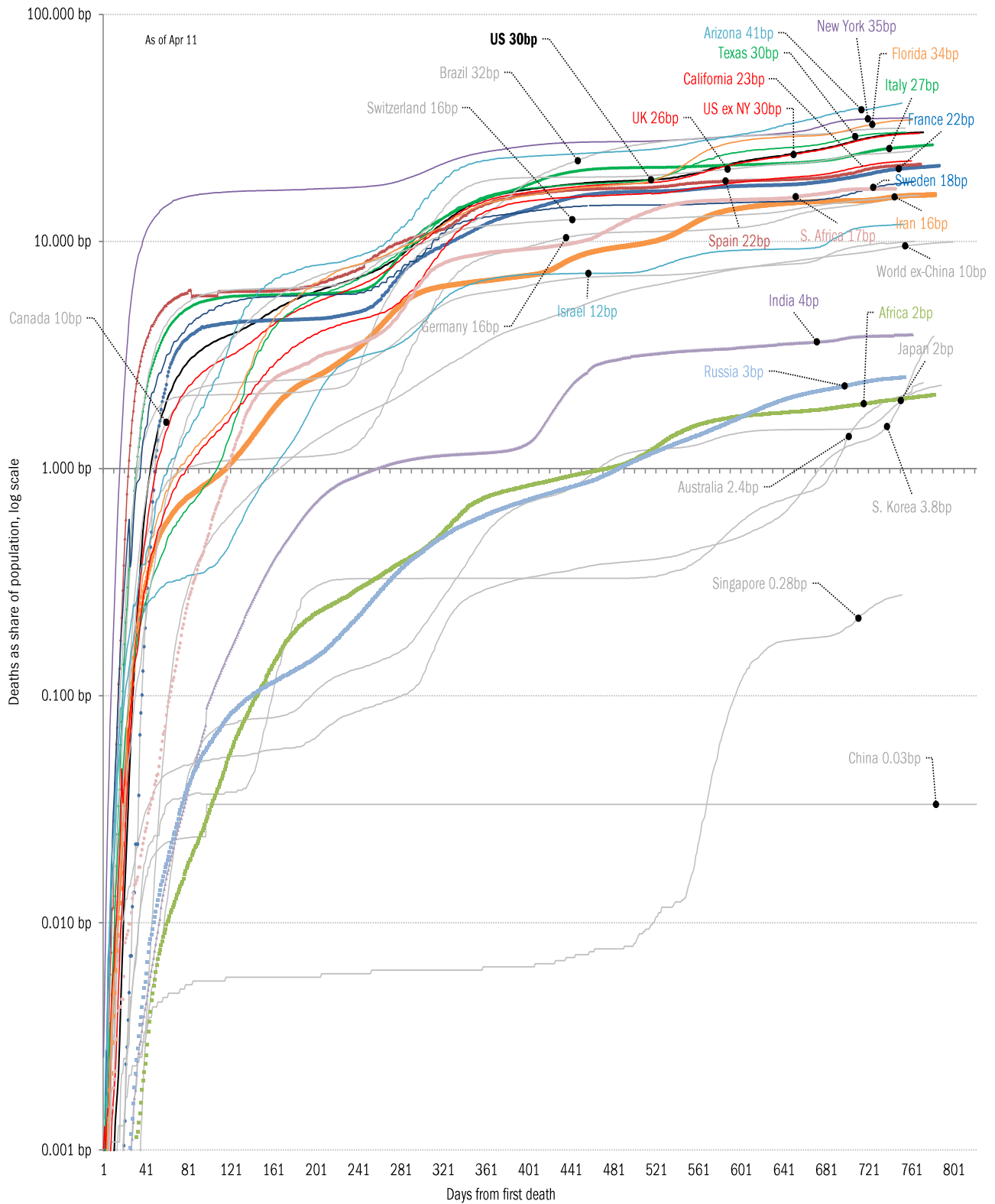
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

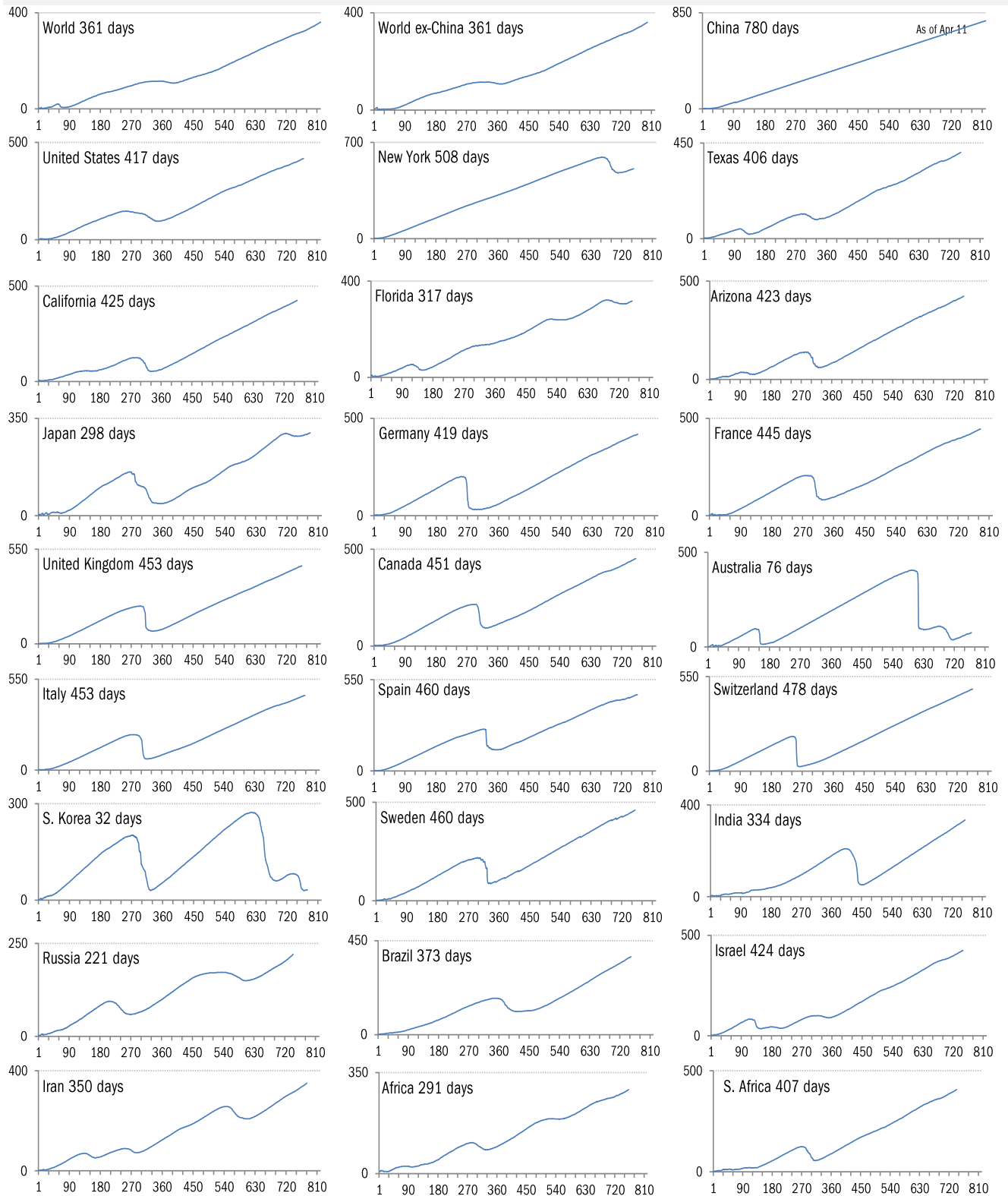


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

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

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

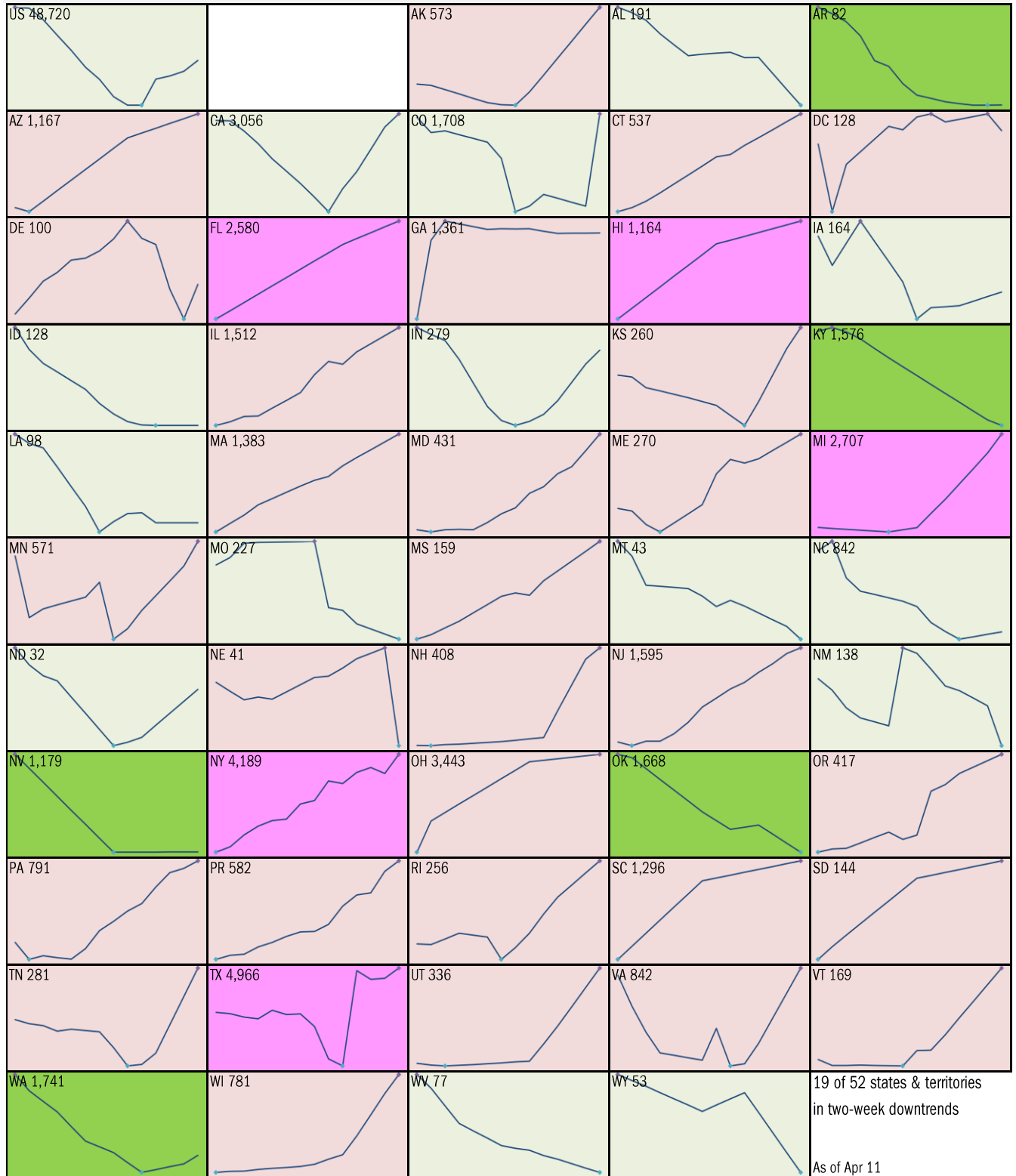


Source: [Johns Hopkins](#), TrendMacro calculations

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

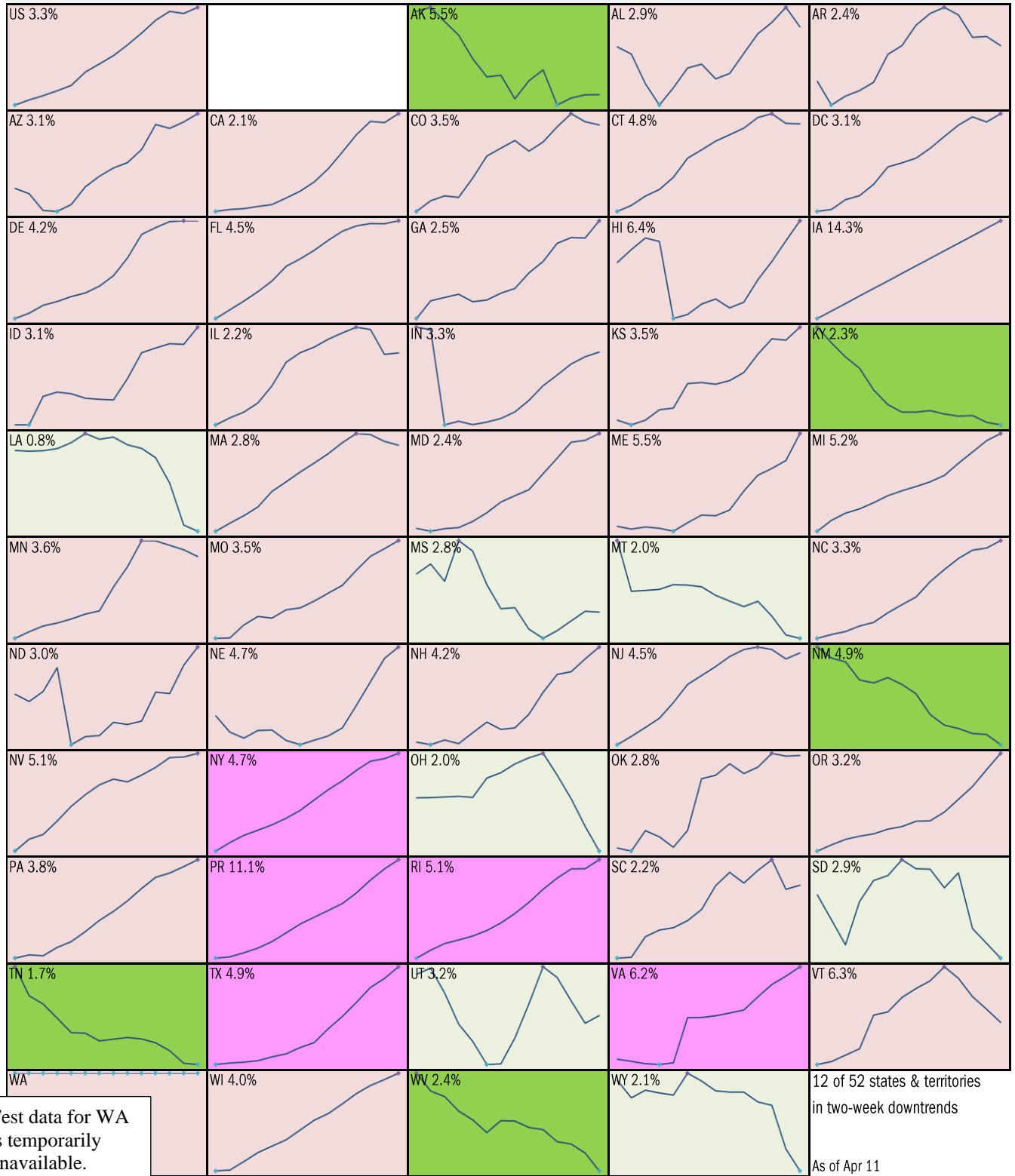


Source: [Johns Hopkins](#), TrendMacro calculations

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

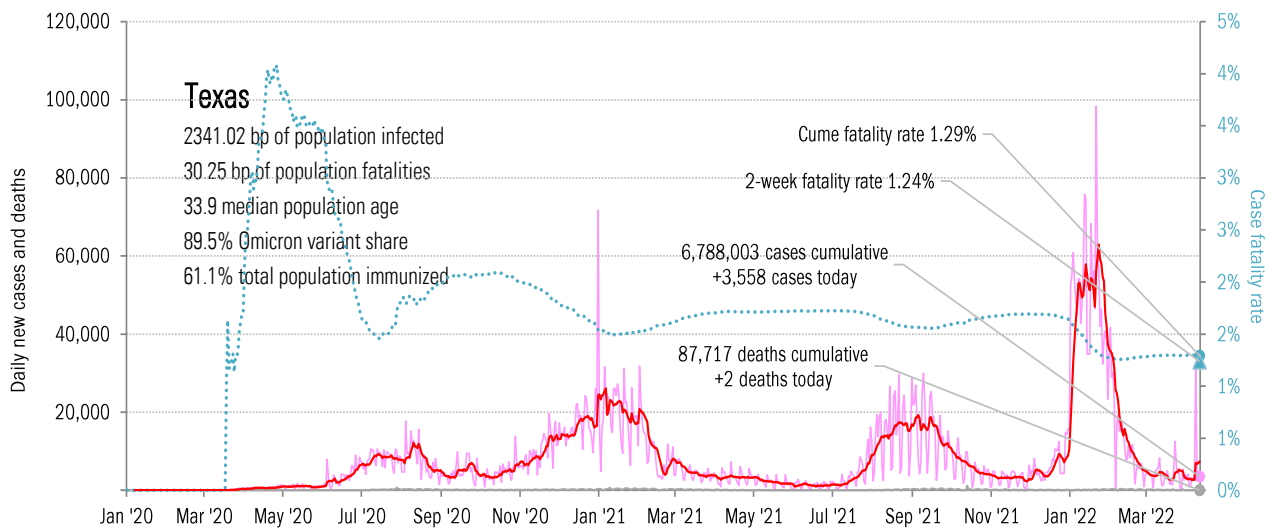
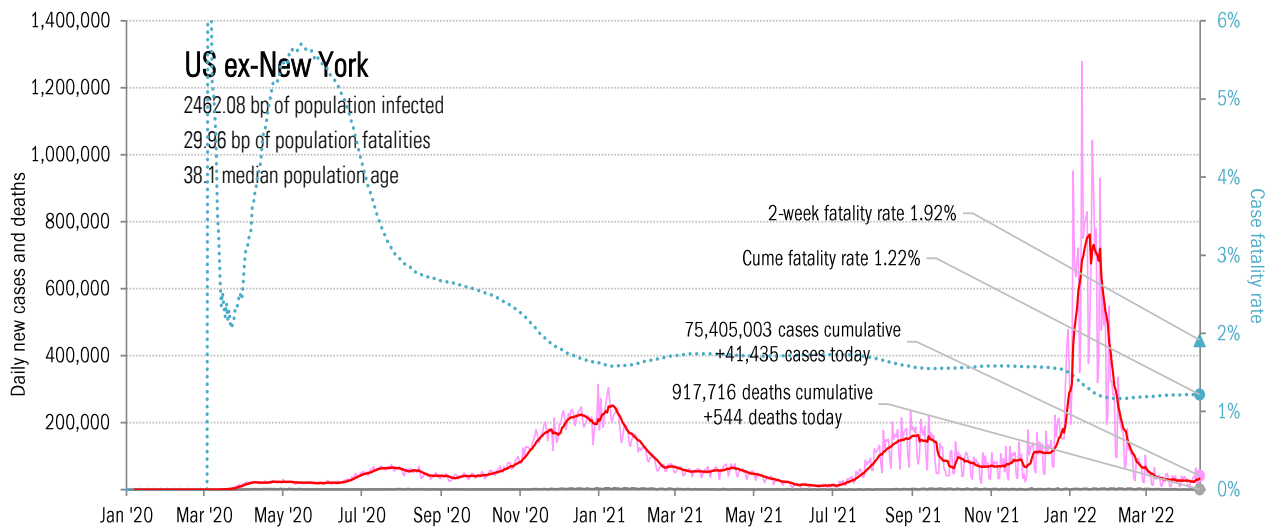
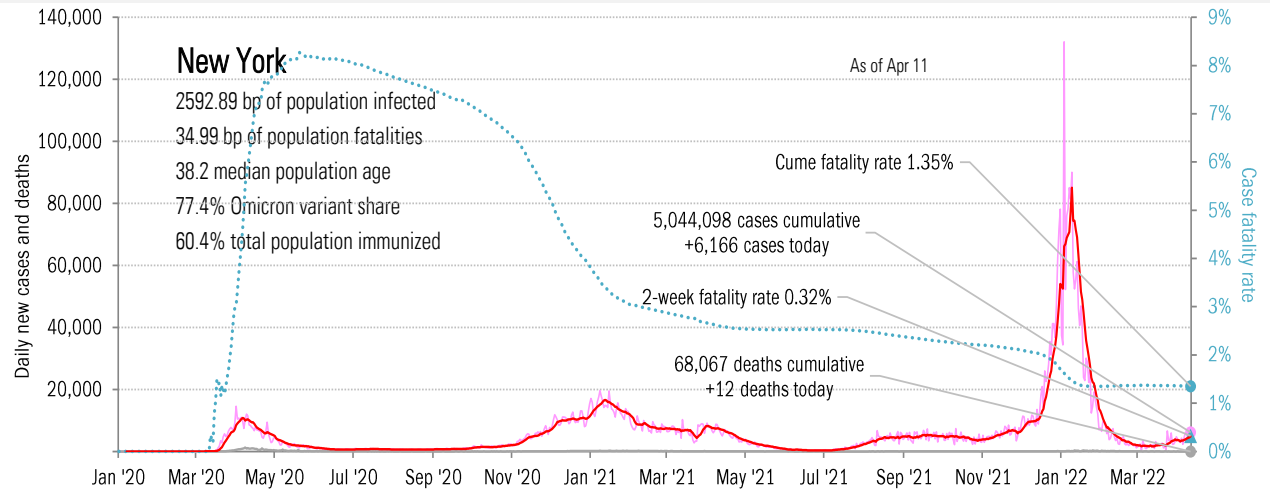


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

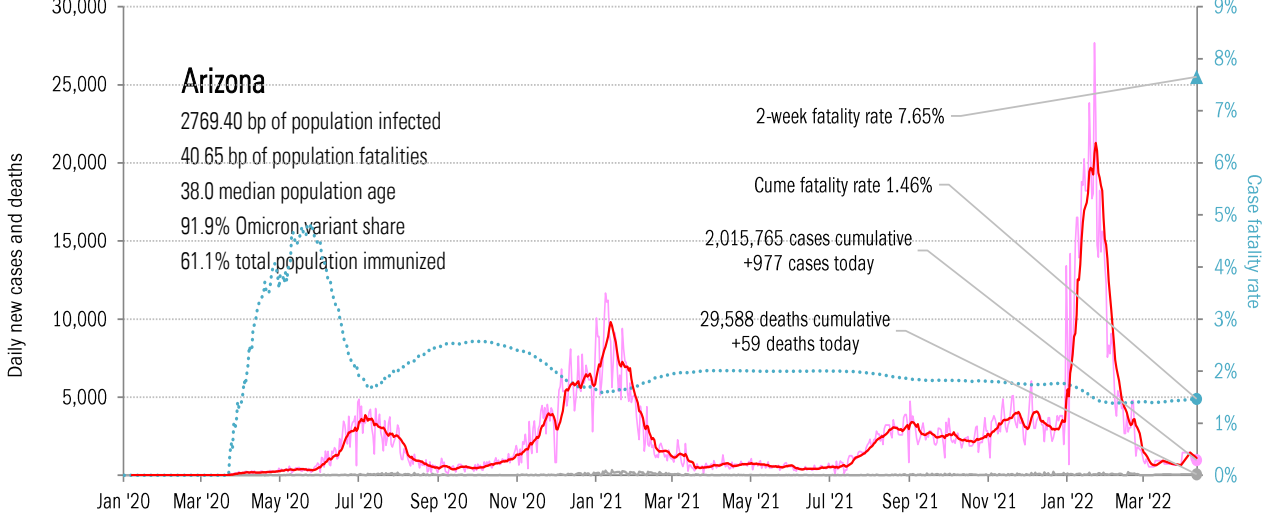
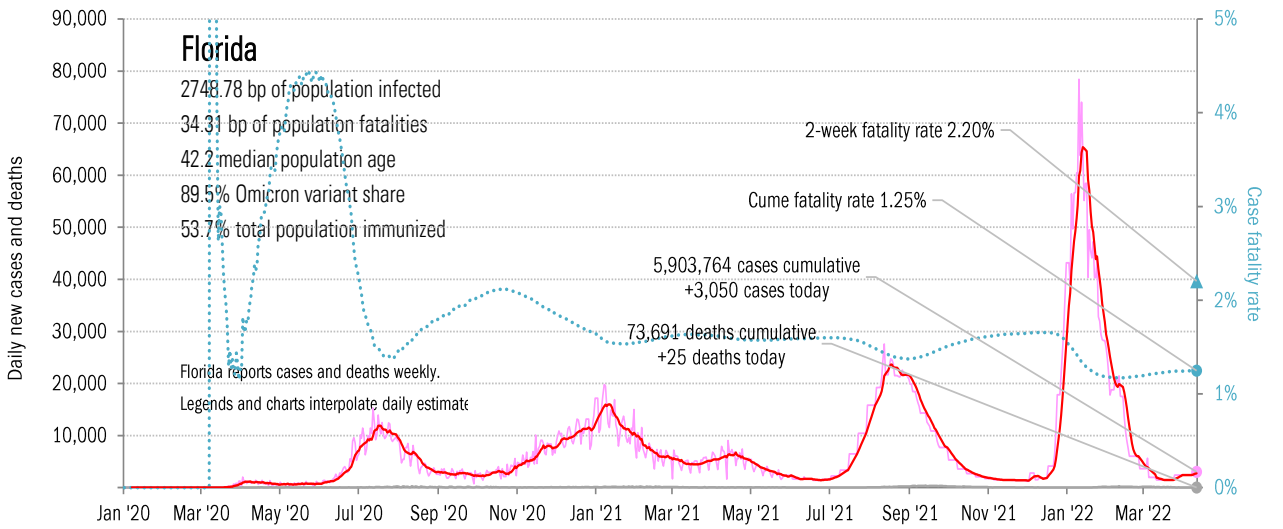
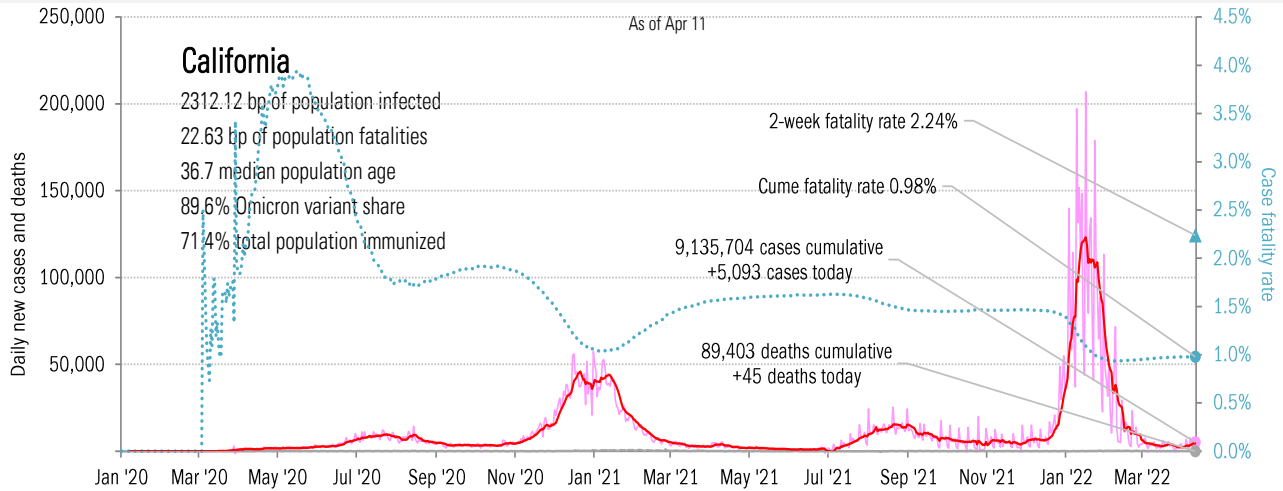
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

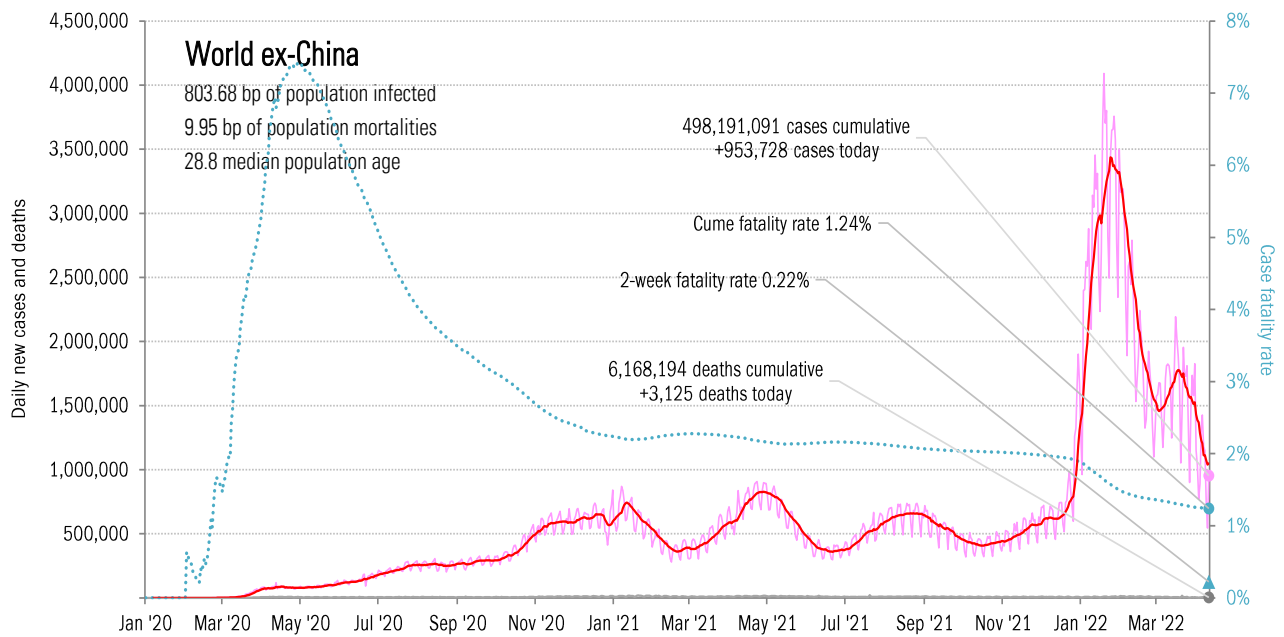
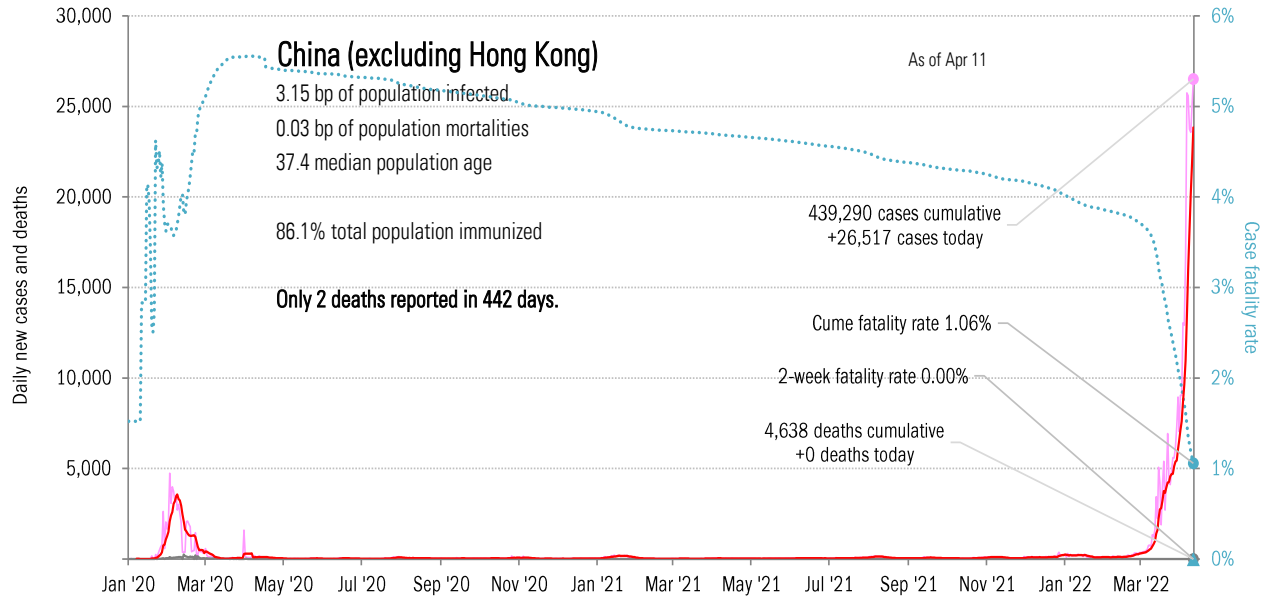
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

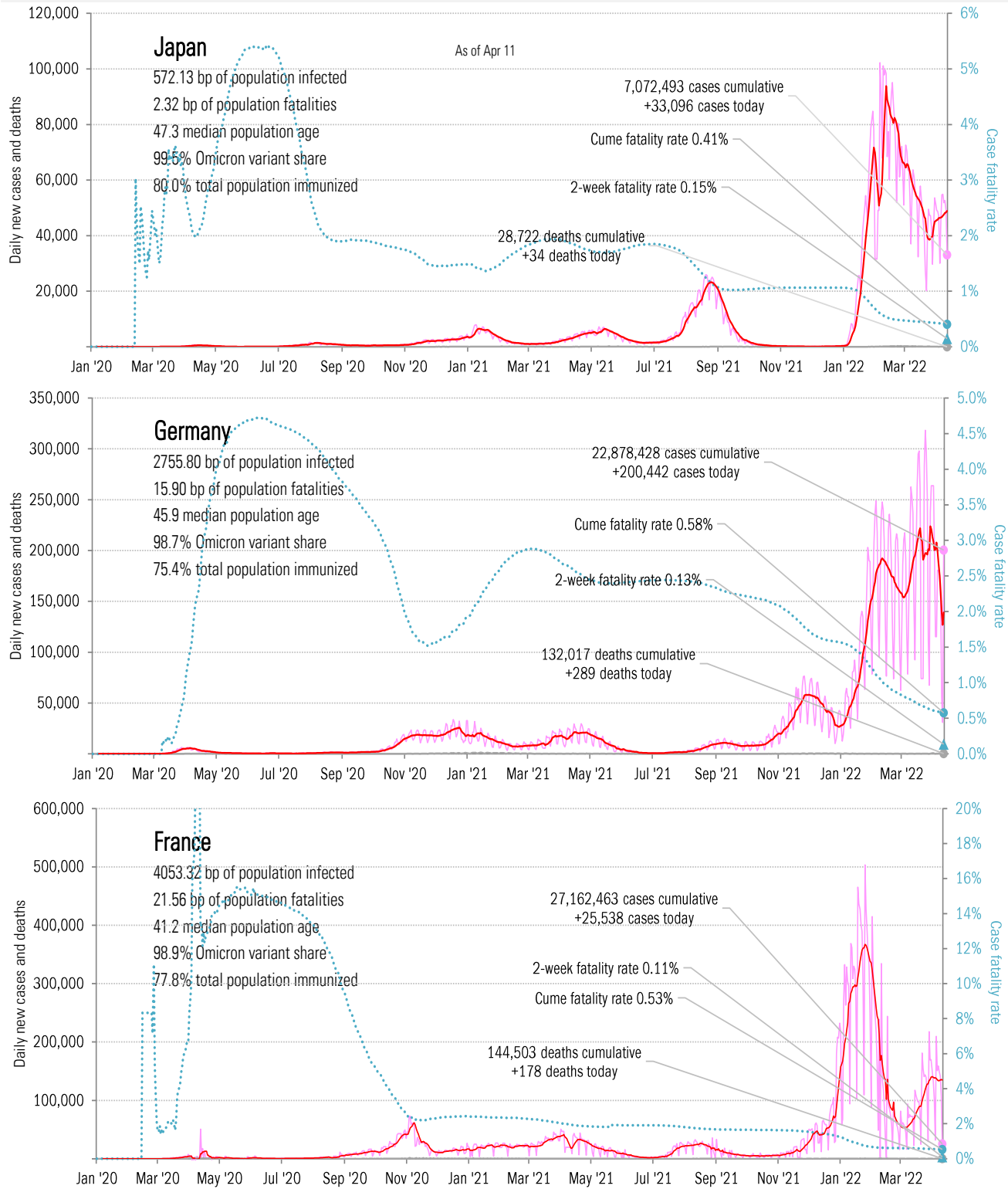
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

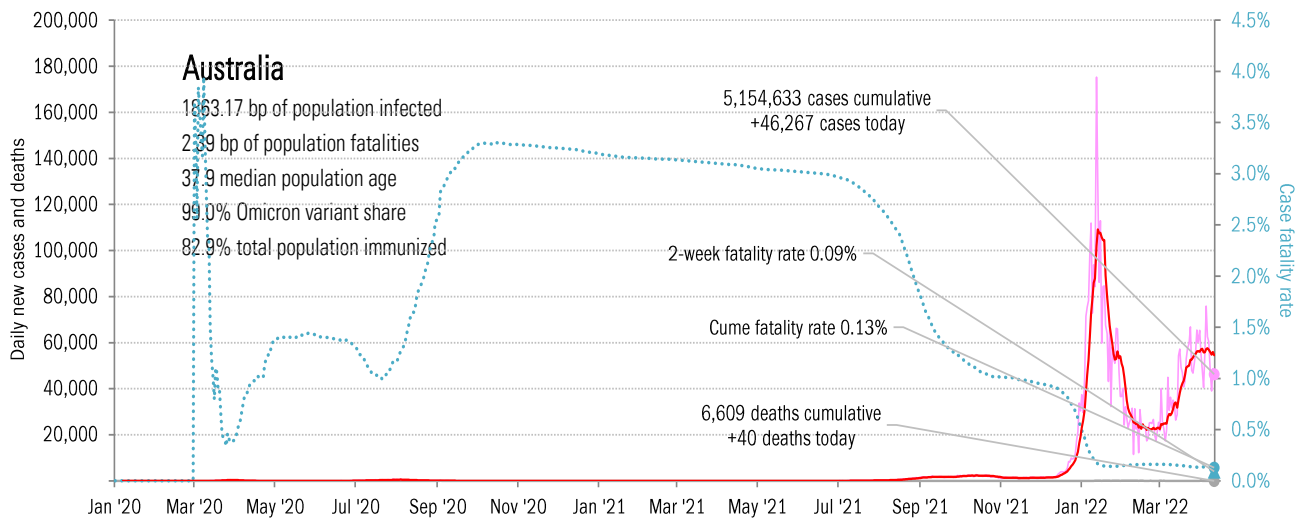
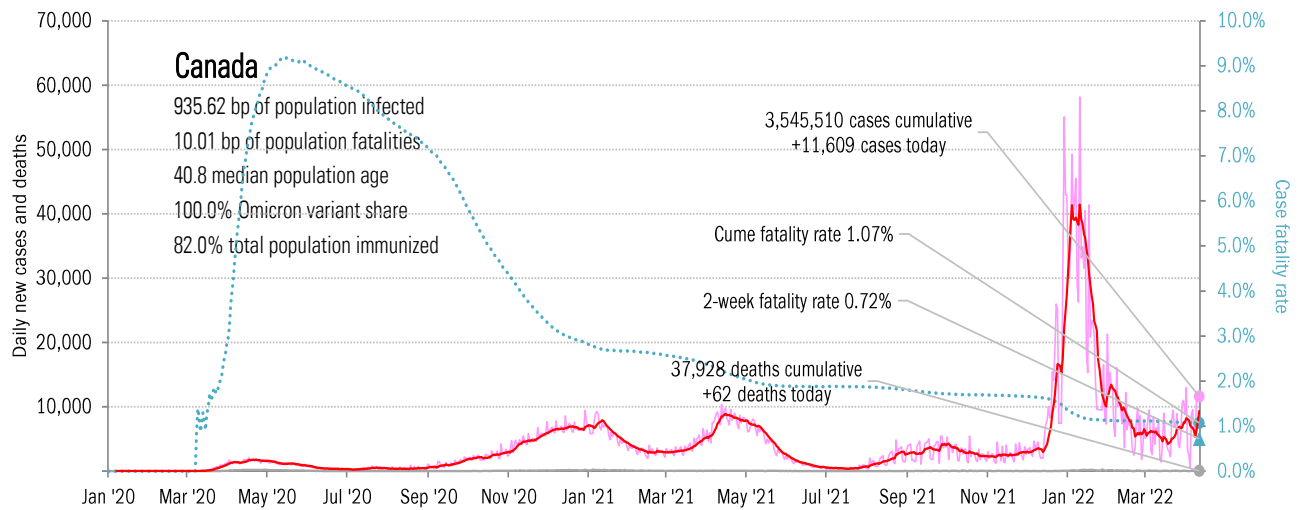
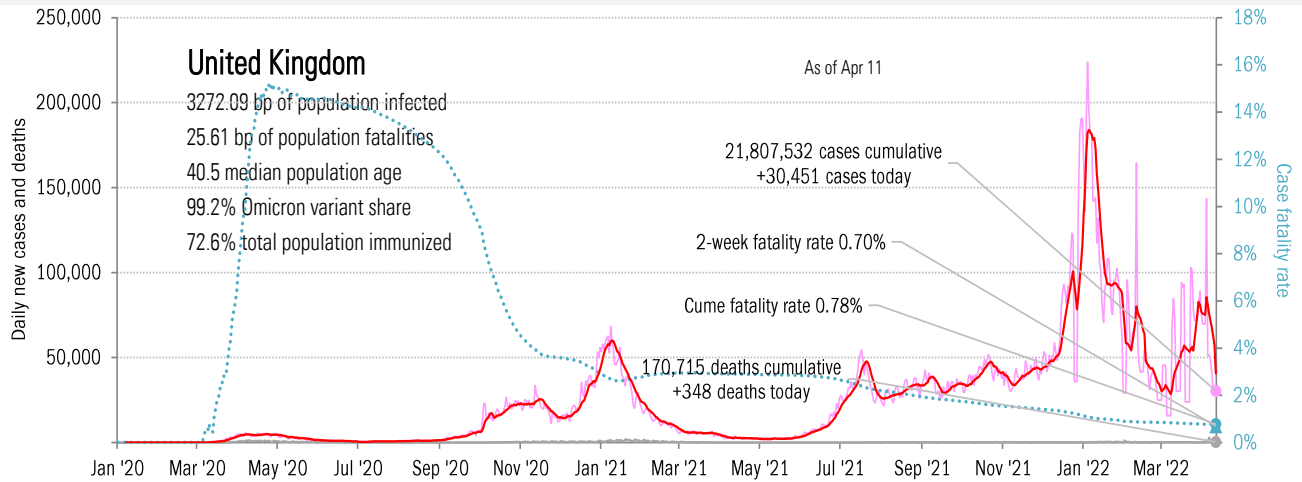
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

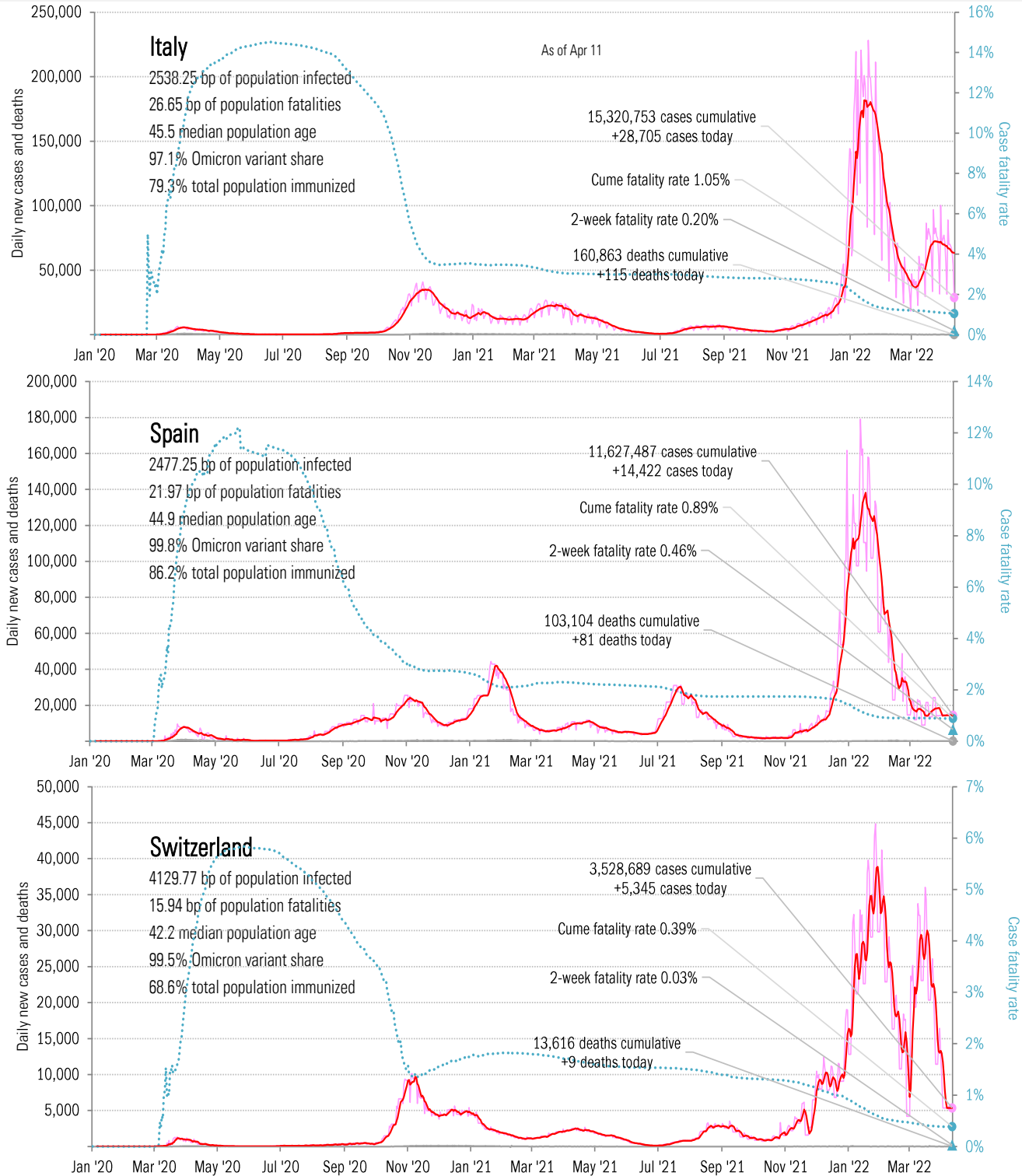
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

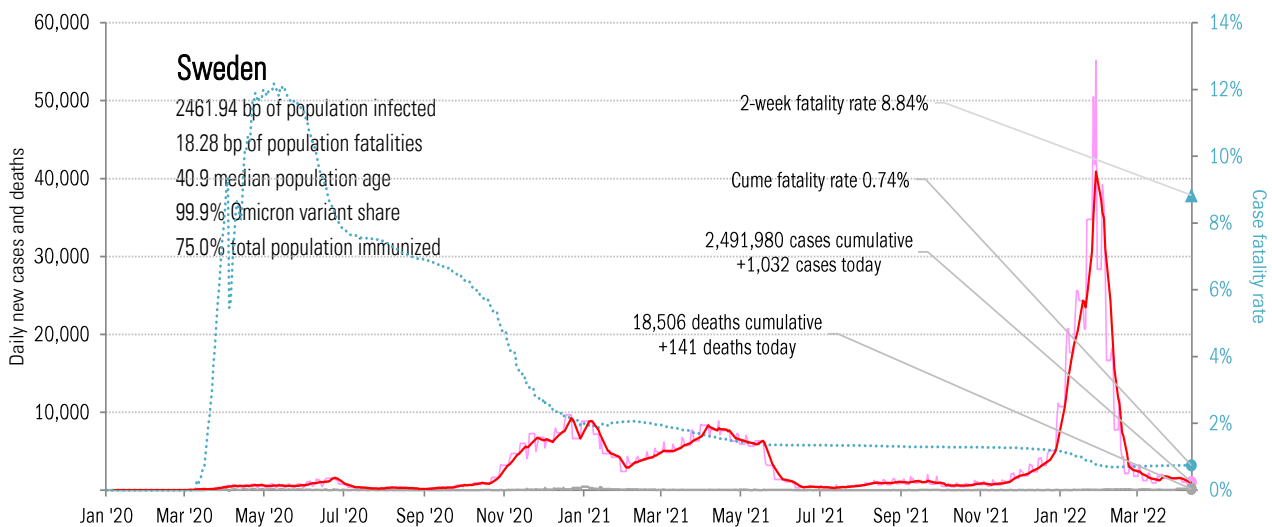
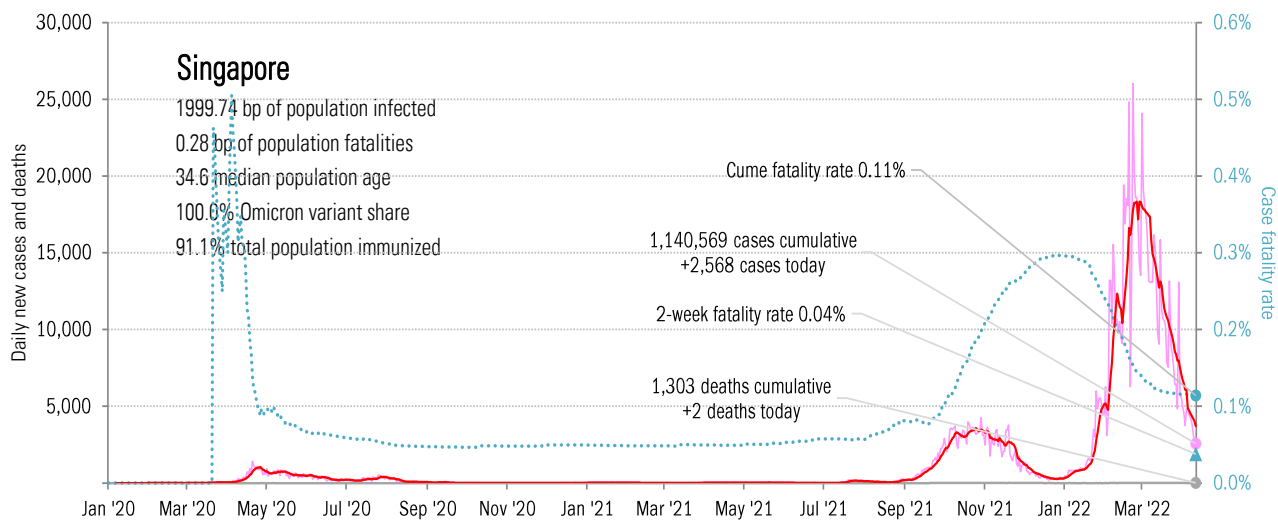
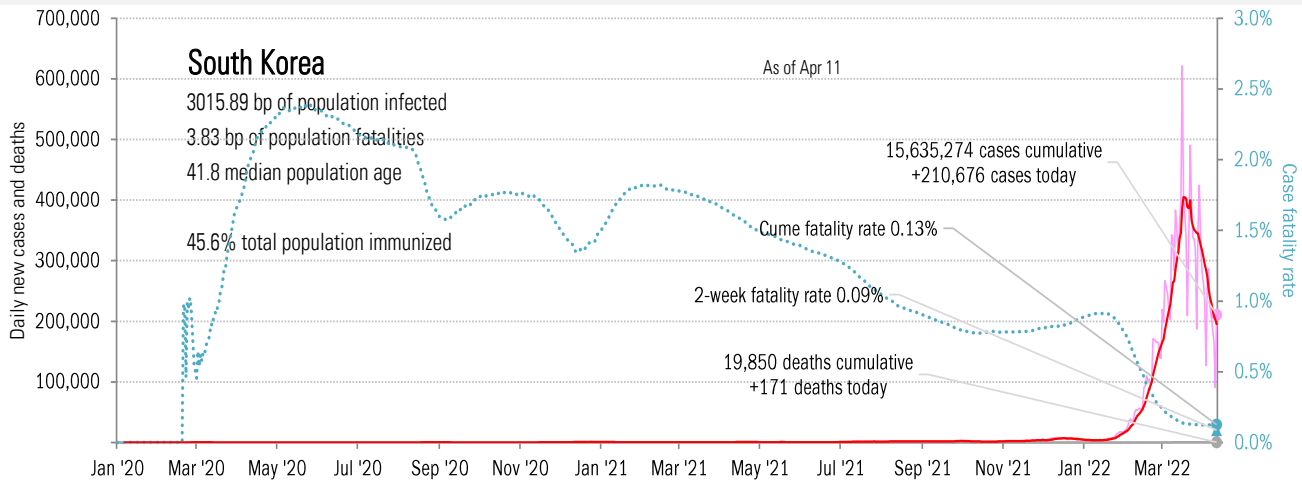
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

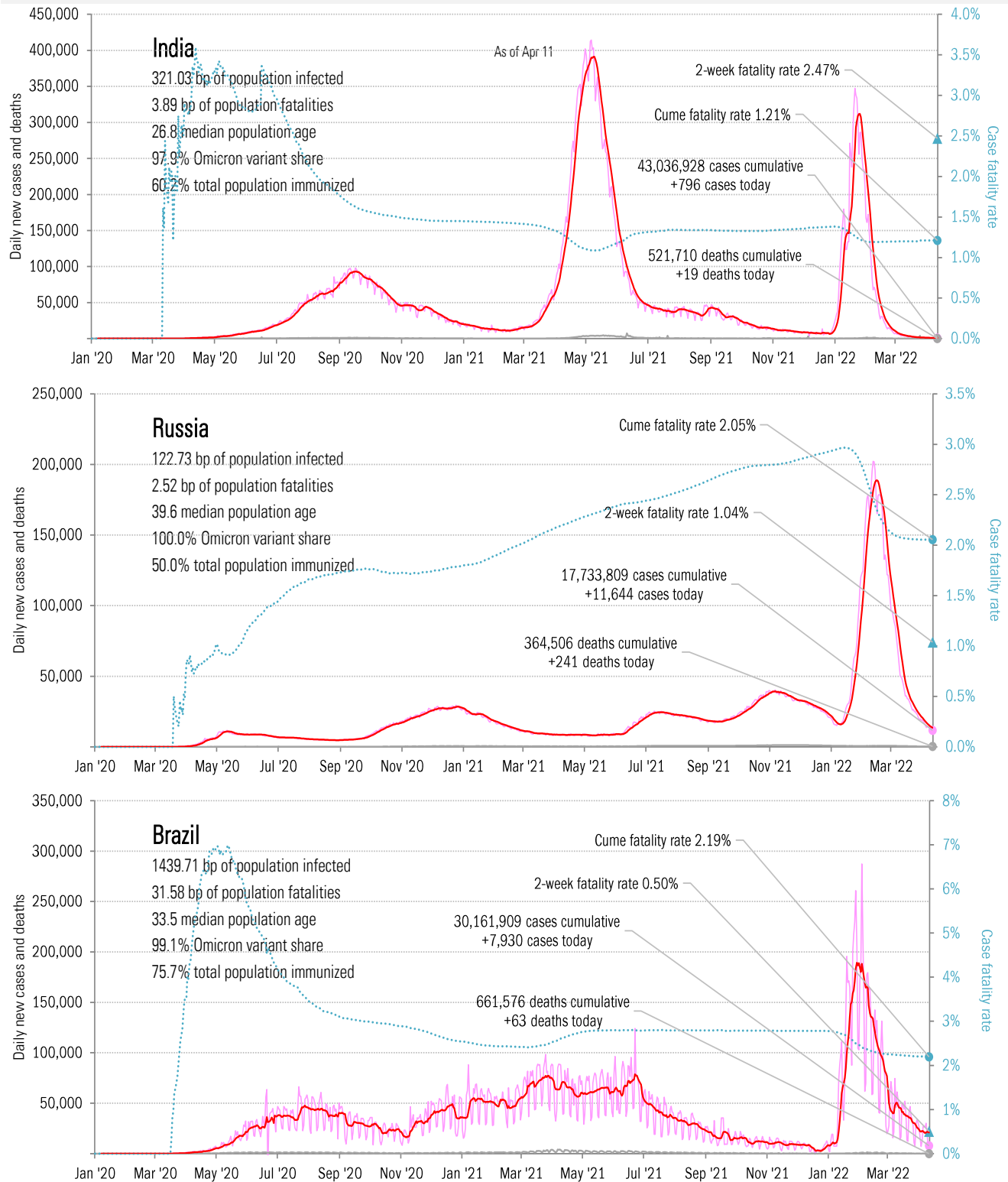
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

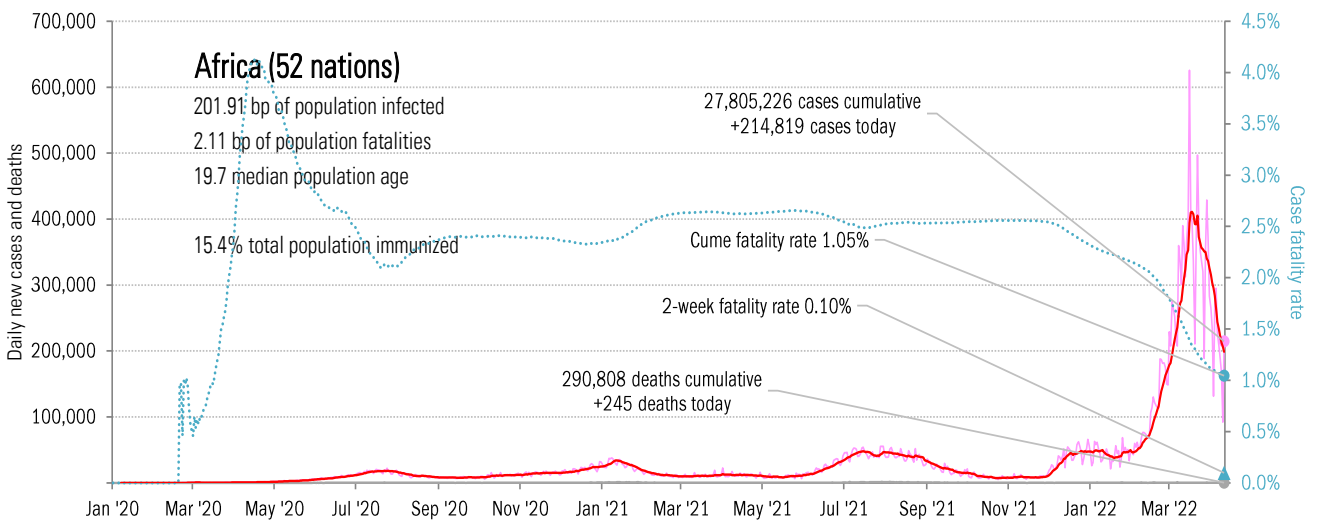
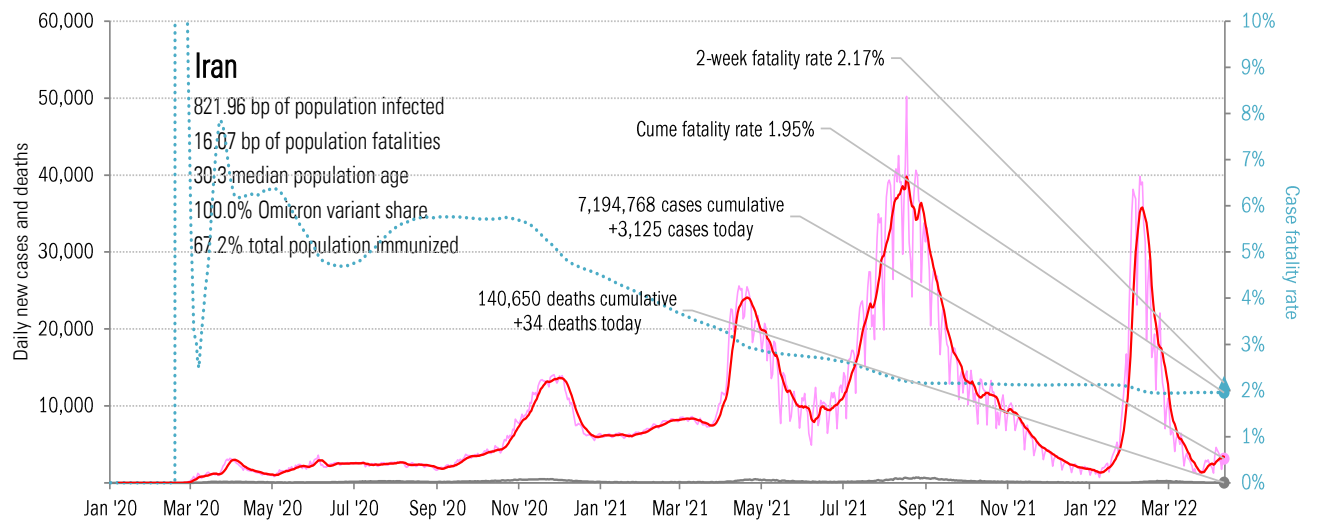
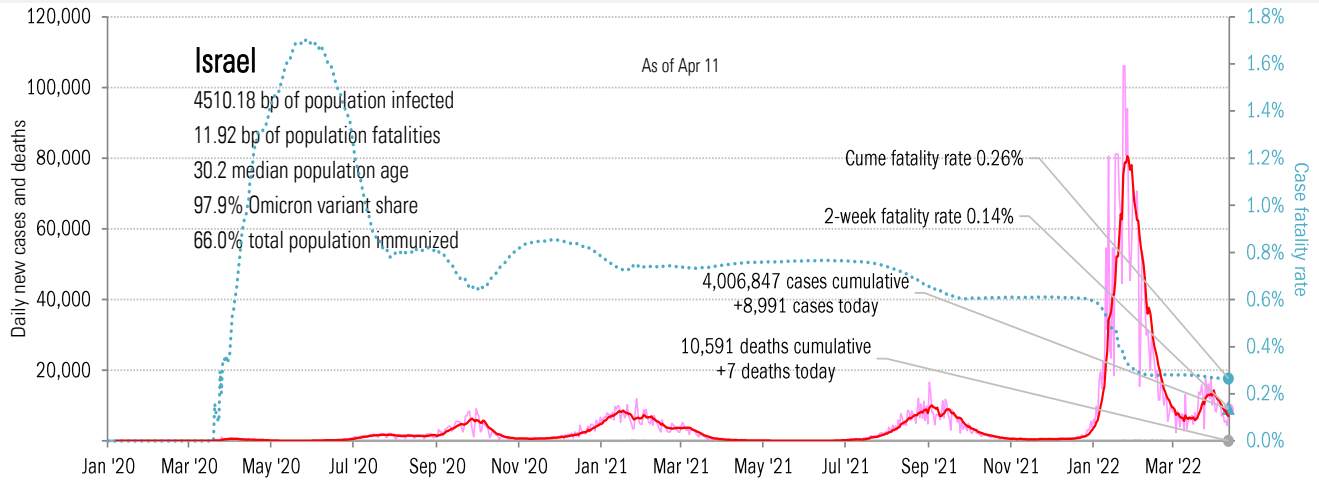
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

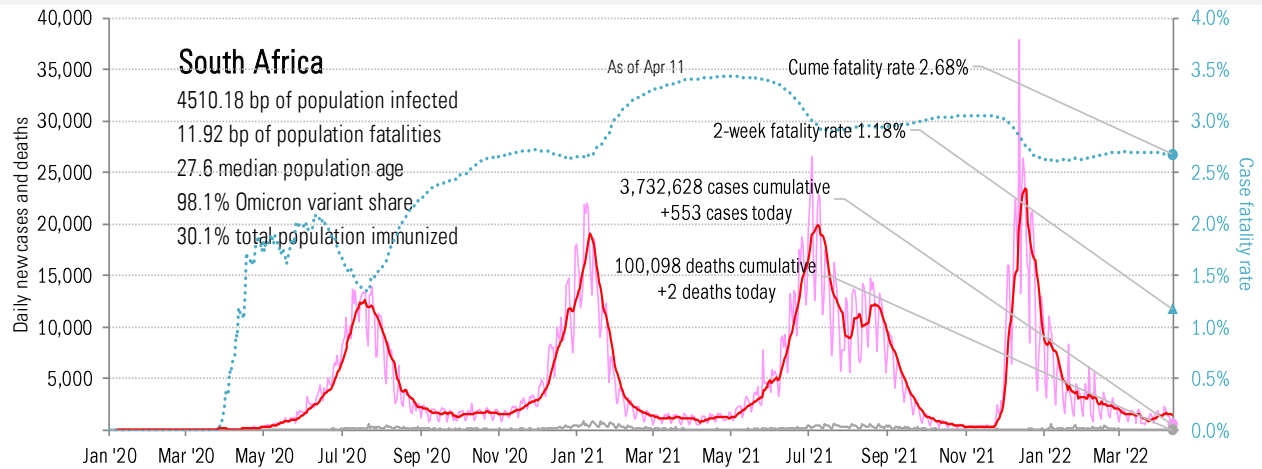
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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