

Data Insights: Covid-2019 Monitor

Saturday, July 30, 2022

The global scorecard

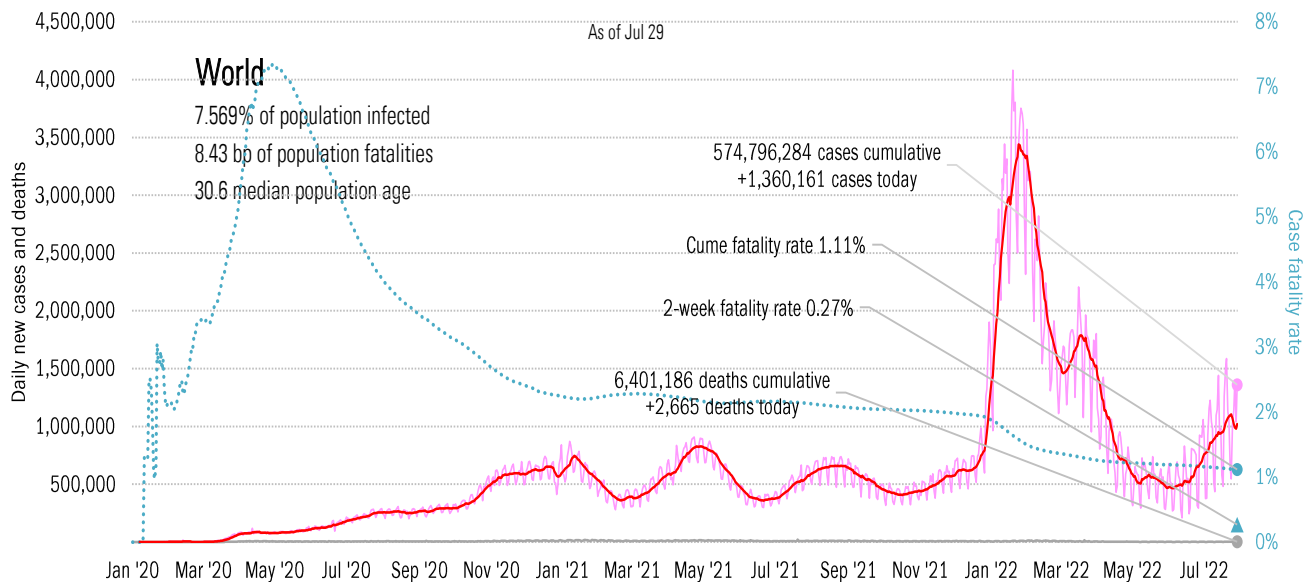
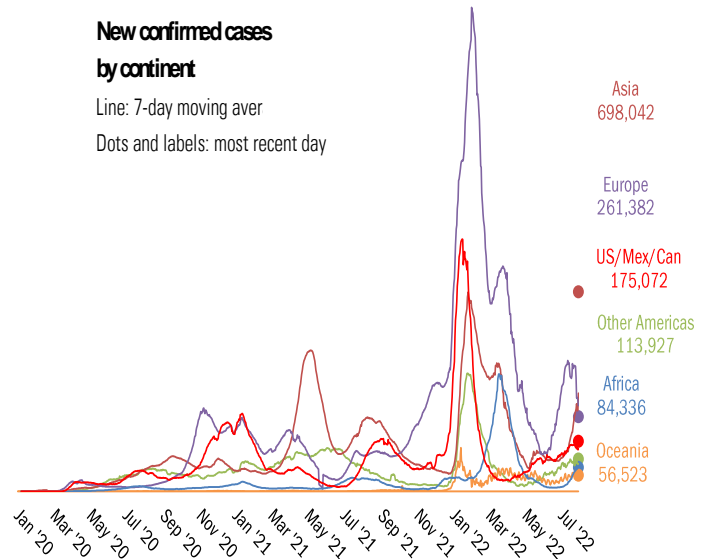
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

| New cases | | New Deaths | |
|---------------|-----------|---------------|-------|
| Turkey | 365,424 | United States | 389 |
| Japan | 221,298 | Spain | 325 |
| United States | 212,527 | Brazil | 244 |
| Korea, South | 81,944 | Italy | 244 |
| Germany | 66,003 | Turkey | 157 |
| Italy | 54,417 | Australia | 135 |
| Australia | 50,042 | Japan | 122 |
| France | 45,774 | Germany | 117 |
| Brazil | 41,713 | Mexico | 113 |
| India | 40,817 | India | 101 |
| 1,179,959 | | 1,947 | |
| World | 1,360,161 | World | 2,665 |
| Top ten | 87% | Top ten | 73% |

New confirmed cases by continent

Line: 7-day moving aver
Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

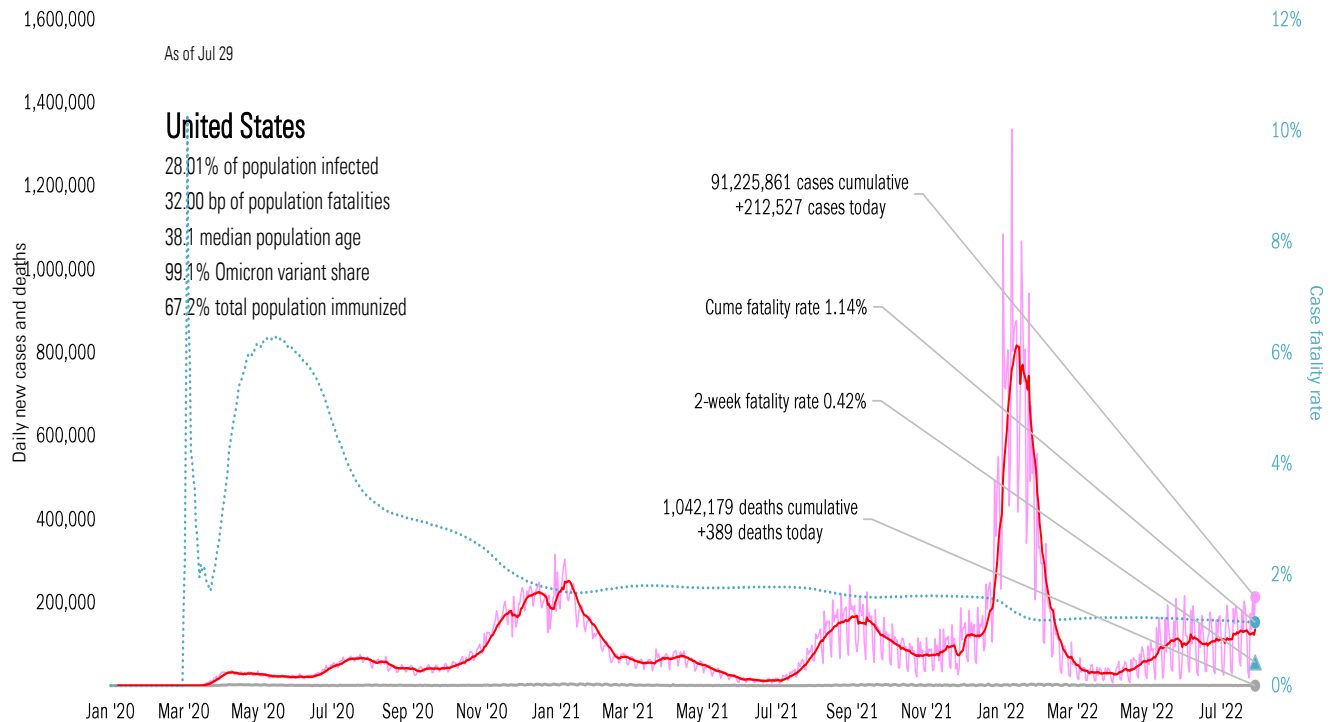
The ten worst US states

| New cases | | | New deaths | | New in hospital | | Cumulative cases | | | Cumulative deaths | | | Cumulative in hospital | | | Hospital use | | ICU use | |
|--------------------|--------|----|--|-------|-----------------------|-----------|------------------|-----------|-----------|-------------------|---------|-----|------------------------|-----|-----|--------------|--|---------|--|
| CA | 43,390 | | US state fatality data distorted today due to revisions. | IN | 160 | CA | 10,702,564 | CA | 93,491 | TX | 520,659 | RI | 91% | RI | 91% | | | | |
| CH | 29,876 | PA | | 242 | TX | 7,533,973 | TX | 89,260 | CA | 469,873 | MA | 88% | DE | 89% | | | | | |
| FL | 16,703 | KY | | 116 | FL | 6,764,780 | FL | 77,474 | FL | 463,798 | GA | 86% | AL | 85% | | | | | |
| TX | 13,108 | GA | | 263 | NY | 5,811,208 | NY | 70,269 | NY | 280,620 | WA | 85% | TX | 84% | | | | | |
| MO | 11,500 | NC | | 195 | IL | 3,563,653 | PA | 46,164 | GA | 215,738 | MN | 85% | WA | 84% | | | | | |
| KS | 7,359 | MD | | 106 | PA | 3,080,593 | GA | 39,050 | CH | 205,393 | DE | 84% | NC | 82% | | | | | |
| IL | 5,913 | AL | | 129 | NC | 2,983,130 | CH | 39,035 | PA | 192,070 | MD | 84% | MA | 82% | | | | | |
| IN | 5,438 | NM | | 39 | CH | 2,948,242 | IL | 38,882 | IL | 174,728 | MO | 84% | DC | 81% | | | | | |
| NC | 4,847 | SC | | 109 | GA | 2,750,915 | MI | 37,428 | MI | 153,270 | WV | 83% | AK | 81% | | | | | |
| NJ | 4,748 | SD | | 25 | MI | 2,672,312 | NJ | 34,253 | KY | 138,737 | MI | 82% | NE | 80% | | | | | |
| 142,882 | | | 400 | 1,384 | 48,811,370 | | | 565,306 | 2,814,886 | All states 70% | | 67% | | | | | | | |
| All states 212,527 | | | 389 | 6,509 | All states 91,225,861 | | | 1,042,179 | 5,109,452 | All states 70% | | 67% | | | | | | | |
| Top ten 67% | | | 103% | 21% | Top ten 53% | | | 55% | 55% | Median 77% | | 74% | | | | | | | |

Some states not reporting

Five most improved US states

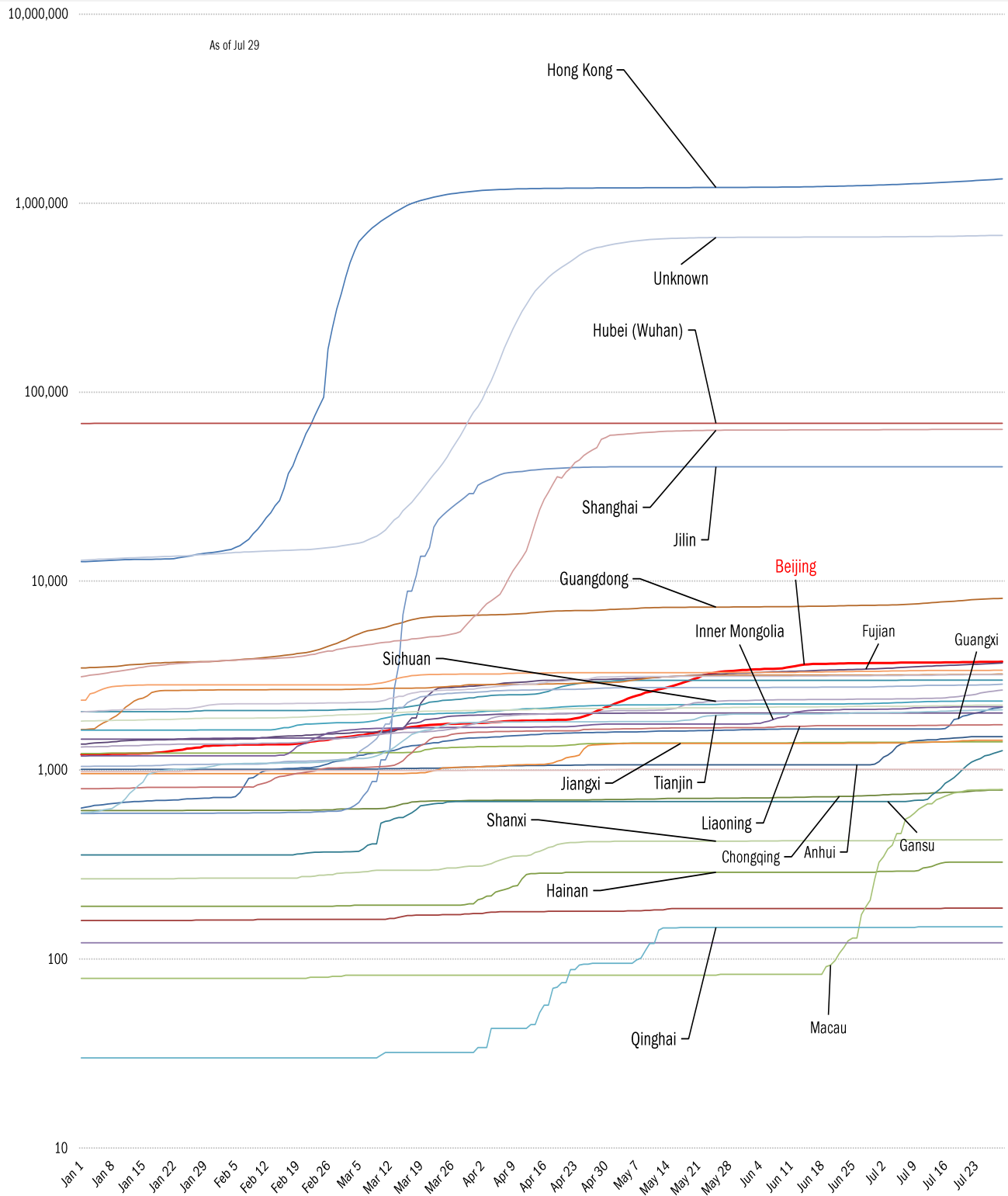
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | |
|-------------------|--------|------------------|-----|----------------------------|------|
| NY | -8,013 | MN | -51 | NY | -190 |
| IL | -1,238 | MA | -49 | FL | -80 |
| IN | -1,185 | OK | -36 | TX | -74 |
| LA | -1,034 | NY | -22 | MO | -50 |
| TX | -831 | IL | -17 | CH | -40 |



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

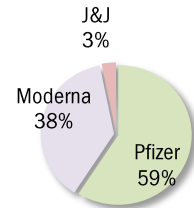


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered | Cumulative | | Today | | Immunity | Full | Partial | |
|-------------------|-------------|-------|----------------|-------|------------------|-----------|---------|-------|
| Doses | 618,880,610 | | +0.321 million | | US | 67.2% | 78.8% | |
| of which boosters | 109,944,235 | | +0.067 million | | UK | 74.9% | 79.8% | |
| | One dose | % Pop | Immune | % pop | New immune today | France | 78.6% | 80.9% |
| Total population | 269,704,032 | 81% | 229,576,521 | 69% | +0.044 million | Spain | 85.5% | 86.9% |
| Age 12 to 17 | 18,050,227 | 71% | 15,431,741 | 61% | +0.003 million | Germany | 76.0% | 77.6% |
| Age 18 to 64 | 180,435,199 | 89% | 153,104,165 | 75% | +0.019 million | Italy | 81.0% | 85.8% |
| Age 65 and over | 59,610,629 | 100% | 52,148,393 | 95% | +0.009 million | Australia | 83.8% | 86.4% |
| | | | | | | Israel | 66.2% | 72.3% |
| | | | | | | Canada | 82.6% | 86.0% |
| | | | | | | Japan | 82.3% | 83.4% |
| | | | | | | Africa | 20.7% | 26.4% |
| | | | | | | India | 66.2% | 72.5% |
| | | | | | | Brazil | 79.4% | 86.4% |
| | | | | | | China | 88.7% | 91.1% |



| | |
|----|-------|
| AK | 71.1% |
| | 63.0% |

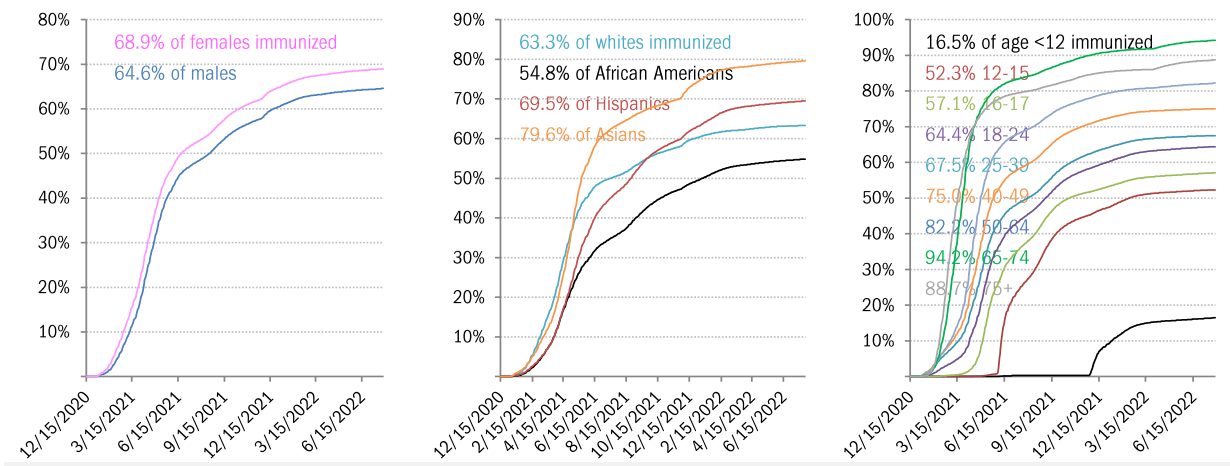
| State | Best |
|---|--------|
| At least partial immunity as % population | Middle |
| Full immunity as % population | Worst |

Immunity = two doses

As of Jul 28

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | WI | | | | | | | ME |
| | | | | | 72.8% | | | | | | | 92.6% |
| | | | | | 66.3% | | | | | | | 80.9% |
| WA | ID | MT | ND | MN | IL | MI | | | NY | VT | | NH |
| 82.3% | 62.6% | 66.2% | 66.6% | 76.3% | 76.8% | 67.7% | | | 91.6% | 95.0% | | 90.0% |
| 73.3% | 56.1% | 57.5% | 56.3% | 70.0% | 69.3% | 60.8% | | | 78.1% | 82.3% | | 71.9% |
| OR | NV | WY | SD | IA | IN | OH | PA | | NJ | MA | | |
| 79.0% | 76.6% | 59.0% | 78.4% | 68.8% | 62.9% | 64.1% | 86.9% | | 91.9% | 95.0% | | |
| 70.5% | 61.7% | 51.6% | 63.1% | 62.6% | 56.6% | 59.0% | 70.0% | | 76.8% | 80.4% | | |
| CA | UT | CO | NE | MO | KY | WV | VA | MD | CT | | RI | |
| 83.6% | 73.1% | 80.8% | 71.3% | 67.2% | 67.1% | 65.9% | 87.4% | 88.3% | 95.0% | | 95.0% | |
| 73.1% | 65.0% | 71.1% | 64.4% | 57.0% | 58.1% | 58.3% | 74.2% | 76.8% | 80.4% | | 84.2% | |
| | AZ | NM | KS | AR | TN | NC | SC | DC | DE | | | |
| | 74.9% | 89.8% | 73.7% | 67.8% | 63.0% | 86.6% | 68.9% | 95.0% | 84.7% | | | |
| | 62.7% | 72.4% | 62.9% | 55.3% | 55.1% | 63.0% | 57.9% | 77.6% | 70.4% | | | |
| | | | OK | LA | MS | AL | GA | | | | | |
| | | | 72.3% | 61.8% | 60.5% | 63.6% | 66.4% | | | | | |
| | | | 58.3% | 54.1% | 52.6% | 51.9% | 55.6% | | | | | |
| | | | TX | | | | | | | | | |
| | | | 75.0% | | | | | | | | | |
| | | | 62.6% | | | | | | | | | |
| | | | | | | | | | FL | | | PR |
| | | | | | | | | | 80.5% | | | 95.0% |
| | | | | | | | | | 67.9% | | | 83.7% |

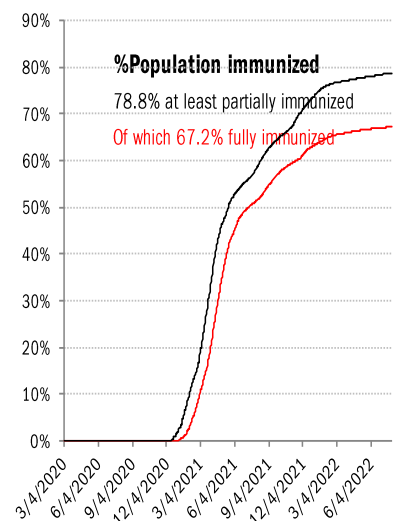
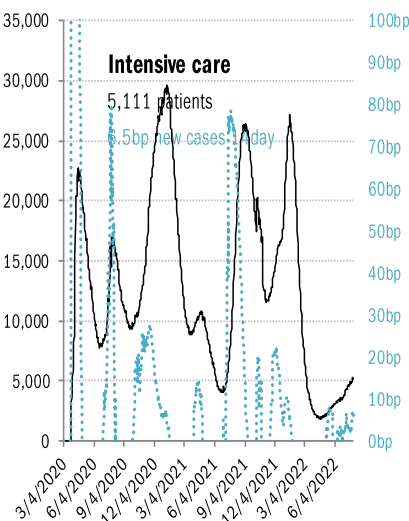
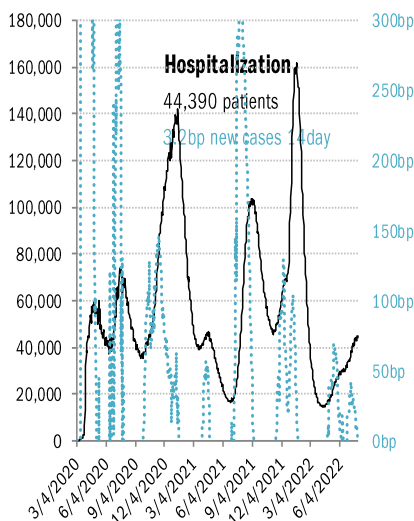
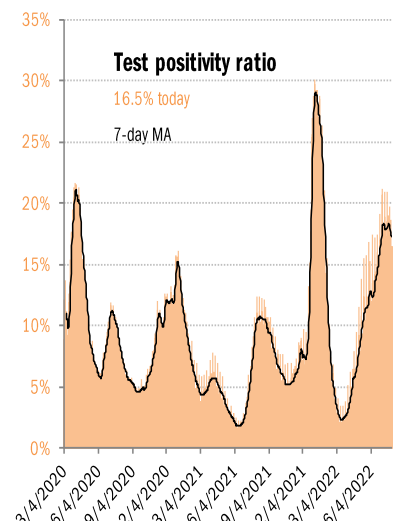
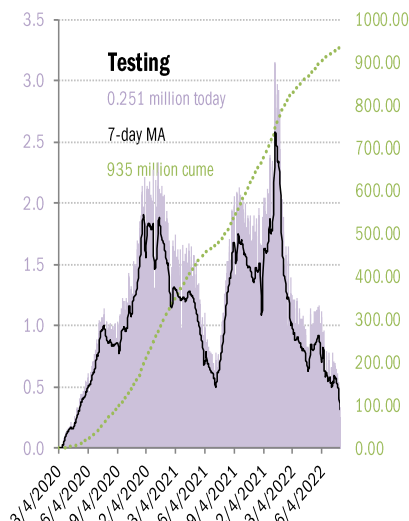
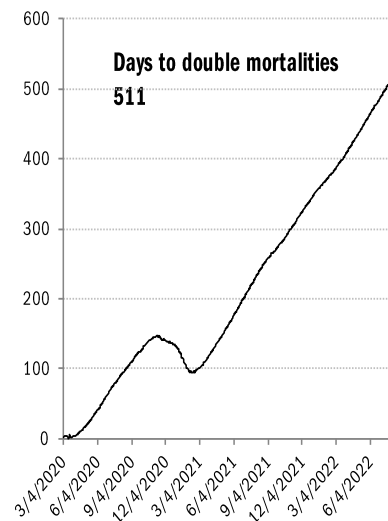
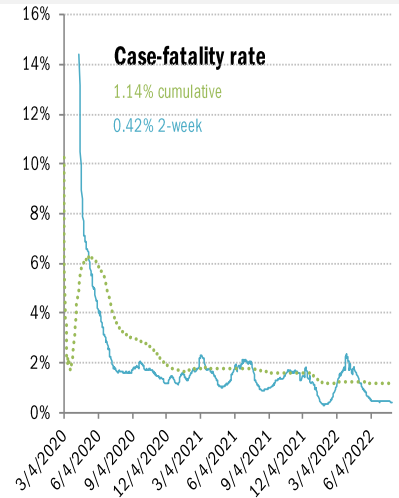
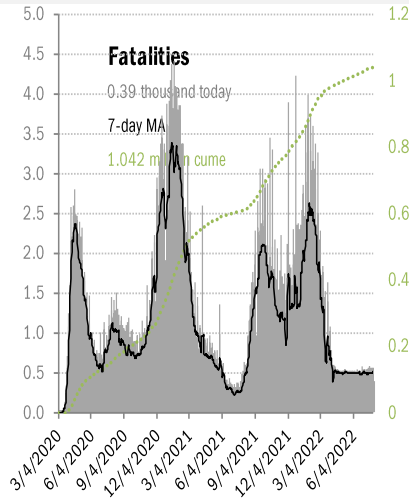
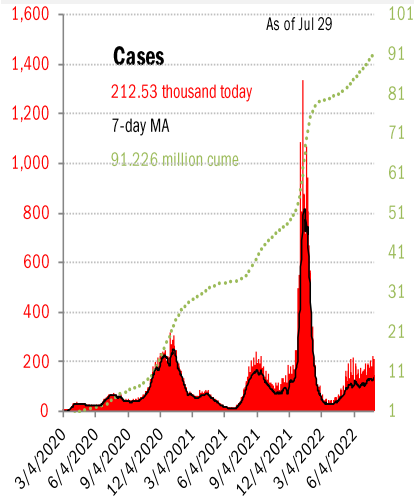
The demographics of US vaccination



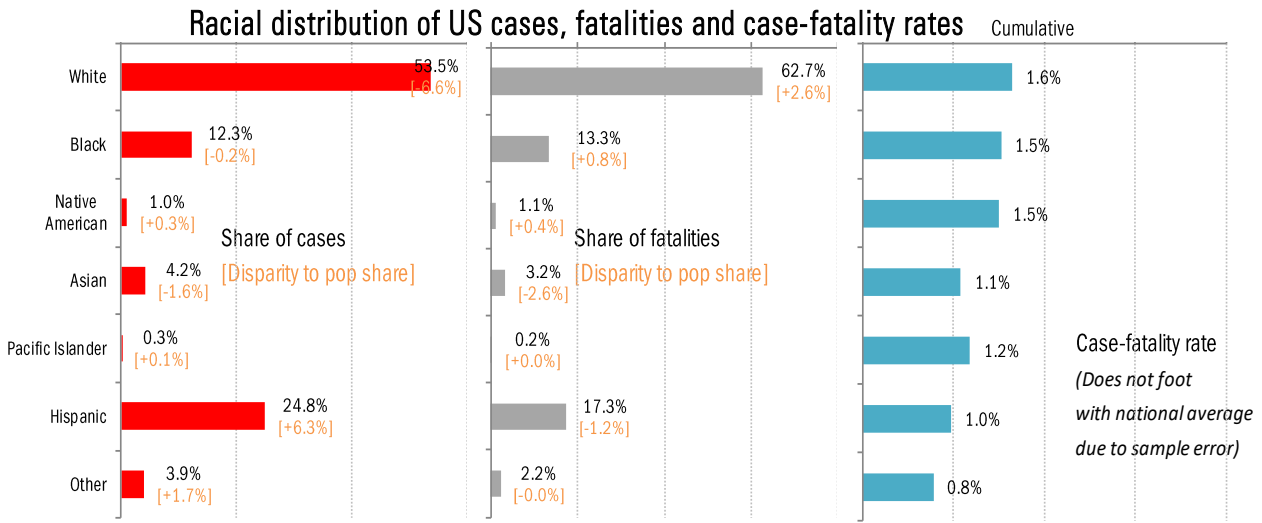
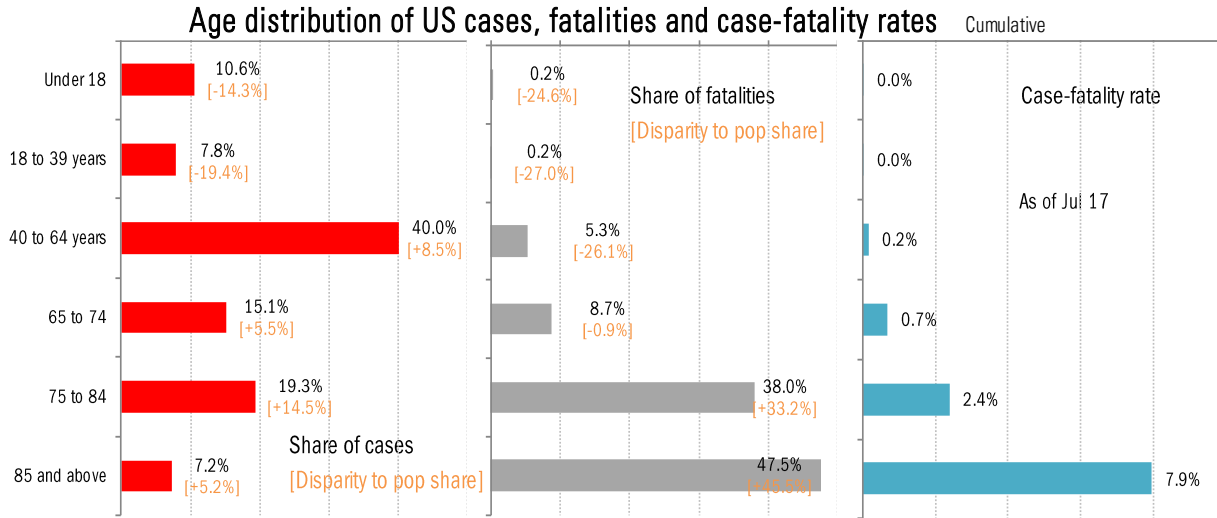
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

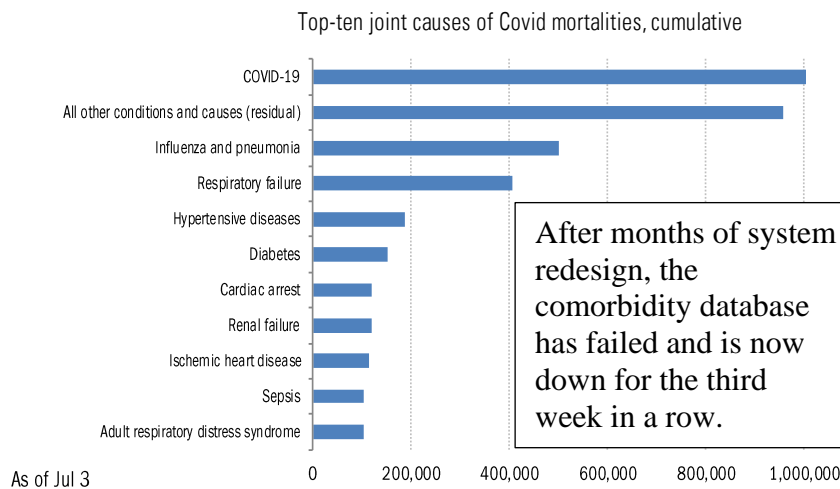
National and state-by-state data do not line up because of different sources



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



Comorbidities



After months of system redesign, the comorbidity database has failed and is now down for the third week in a row.

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

[15% of American Adults Diagnosed With New Condition After COVID Vaccine, Zogby Survey Finds](#)

The Defender

July 28, 2022

[Attorney 'Thrilled' After Federal Judge Blocks COVID Vaccine Mandate for Air Force, Air National Guard](#)

Megan Redshaw

The Defender

July 29, 2022

[Three Pressing Questions About Monkeypox: Spread, Vaccination, Treatment](#)

Apoorva Mandavilli

New York Times

July 20, 2022

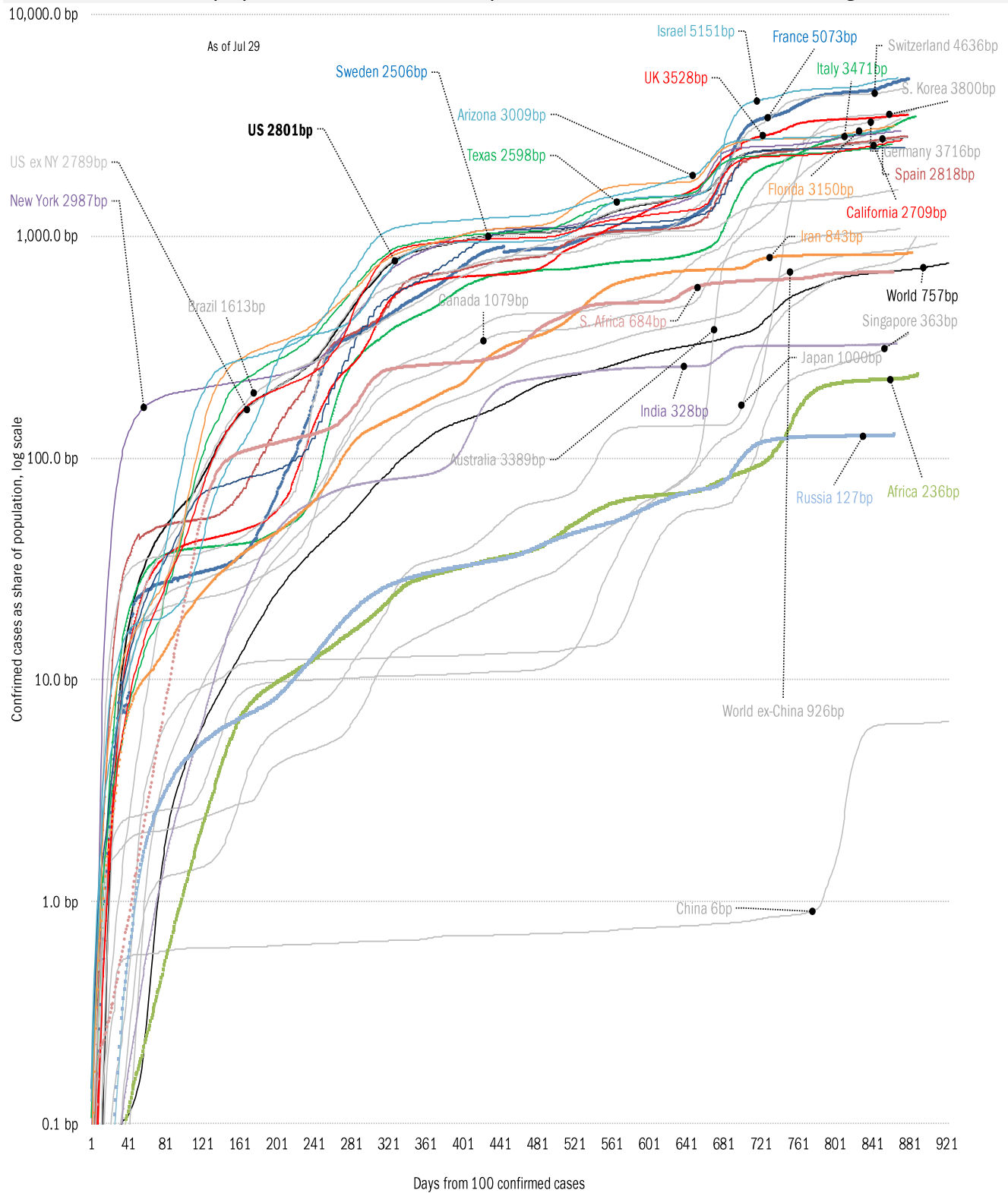
Meme of the day



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

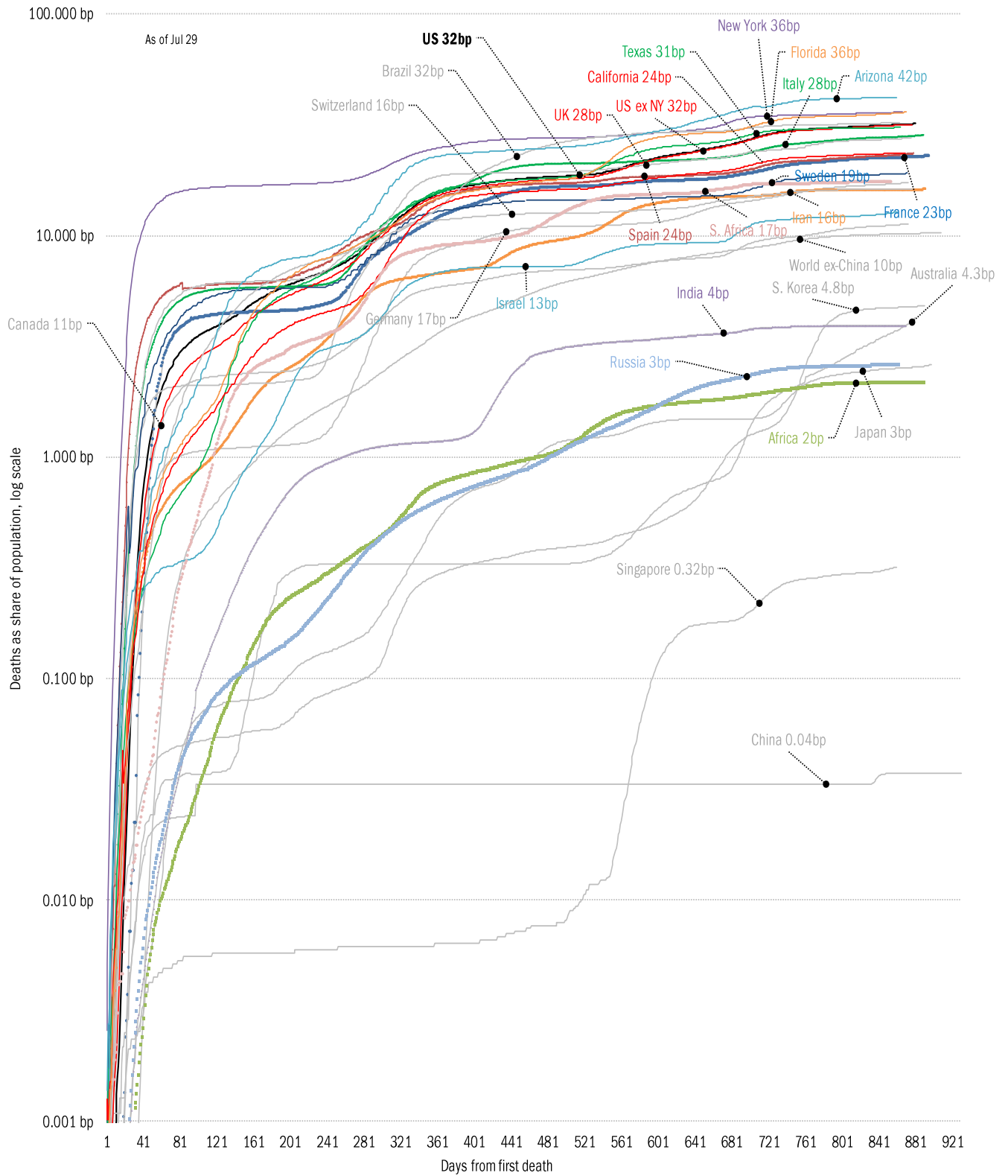
The global coronavirus case accelerometer... tracking the world's infection curves

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 deceased population 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

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

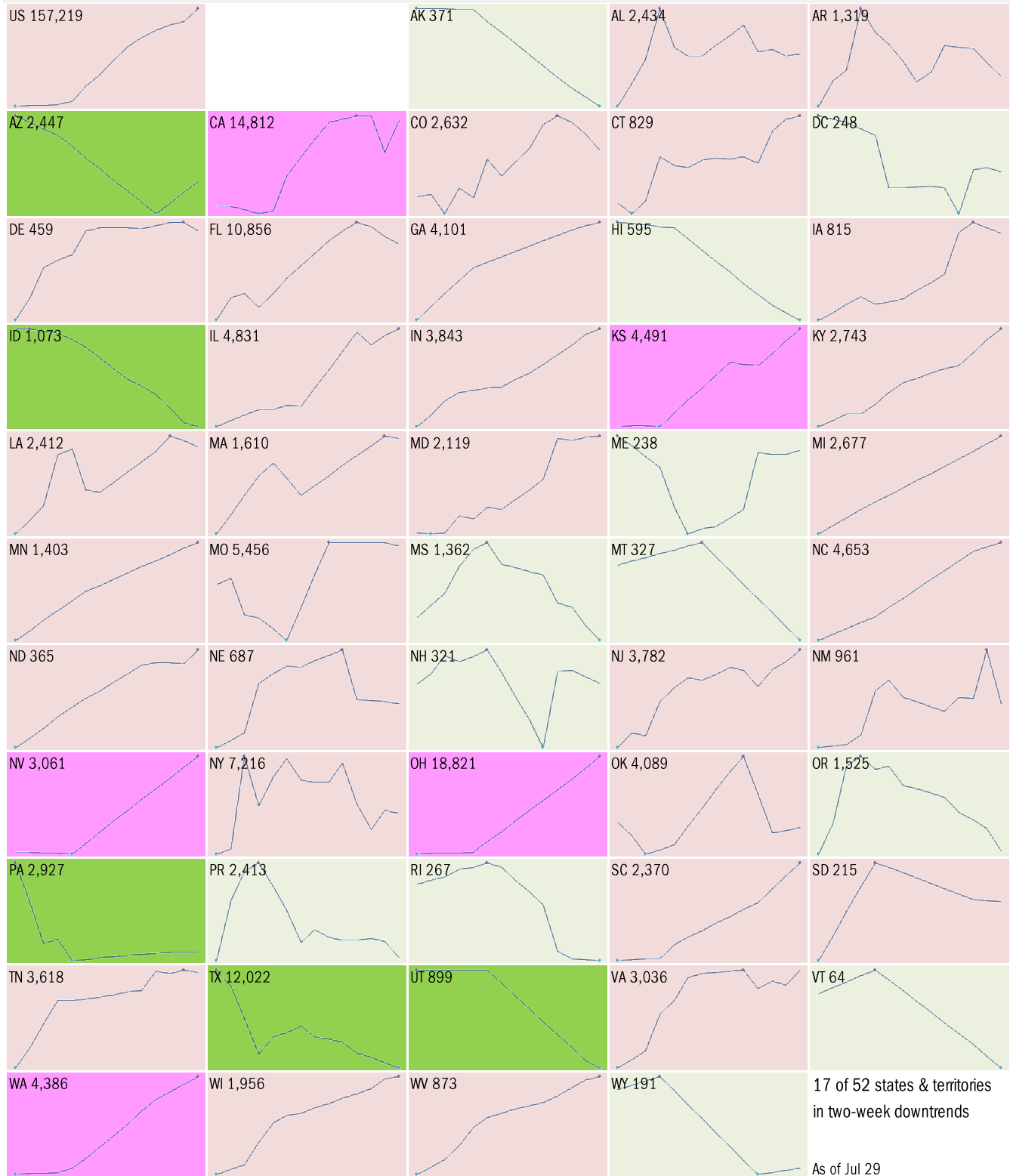


Source: [Johns Hopkins](#), TrendMacro calculations

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

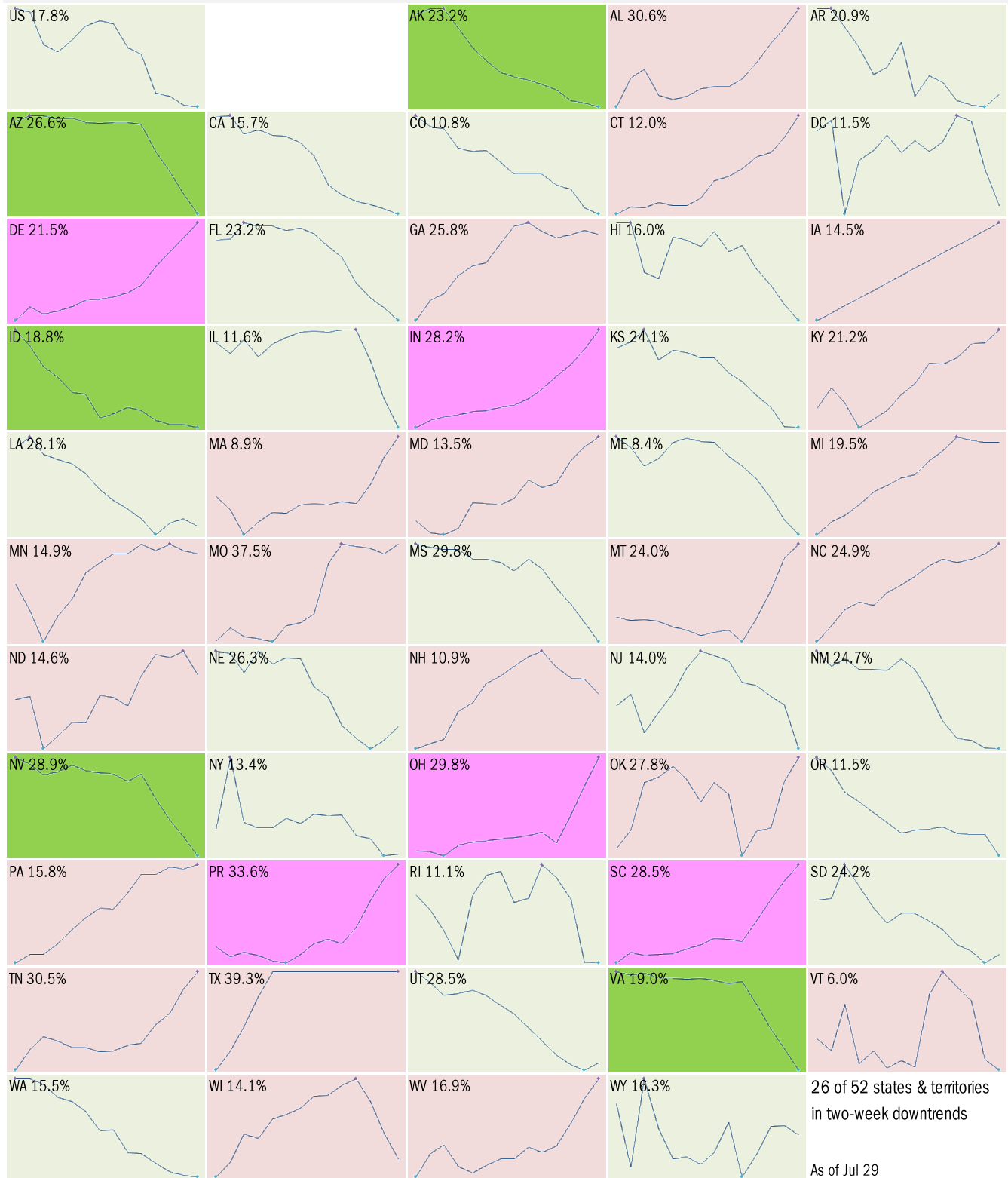


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

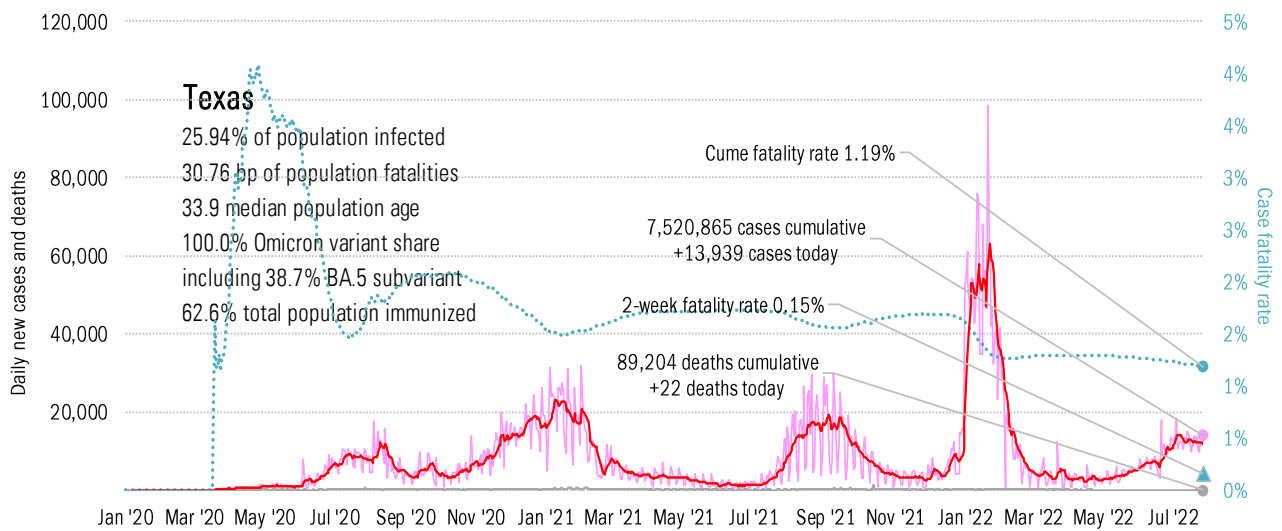
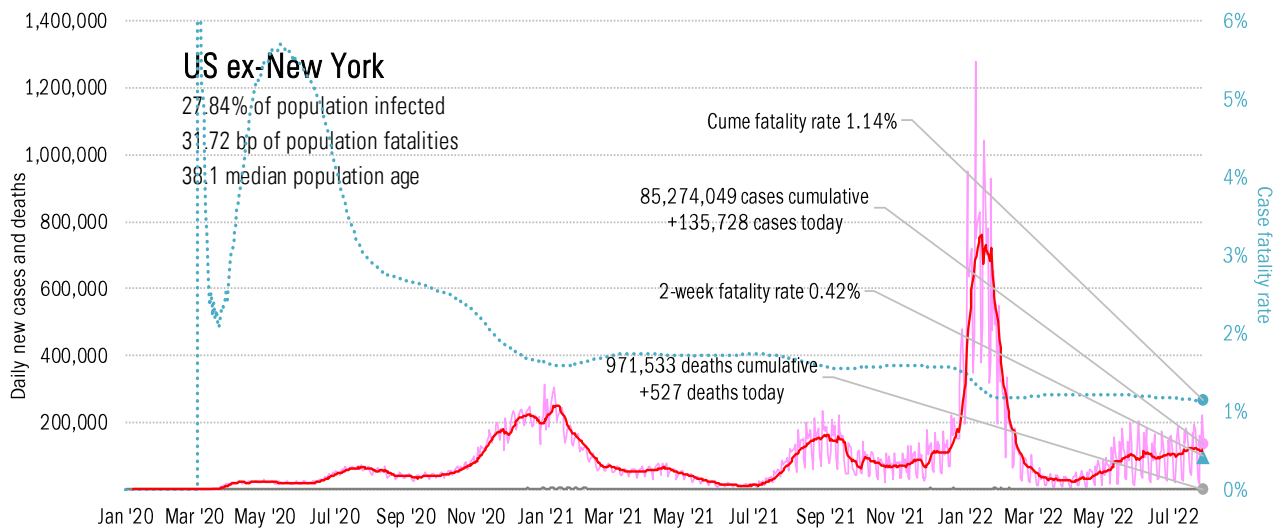
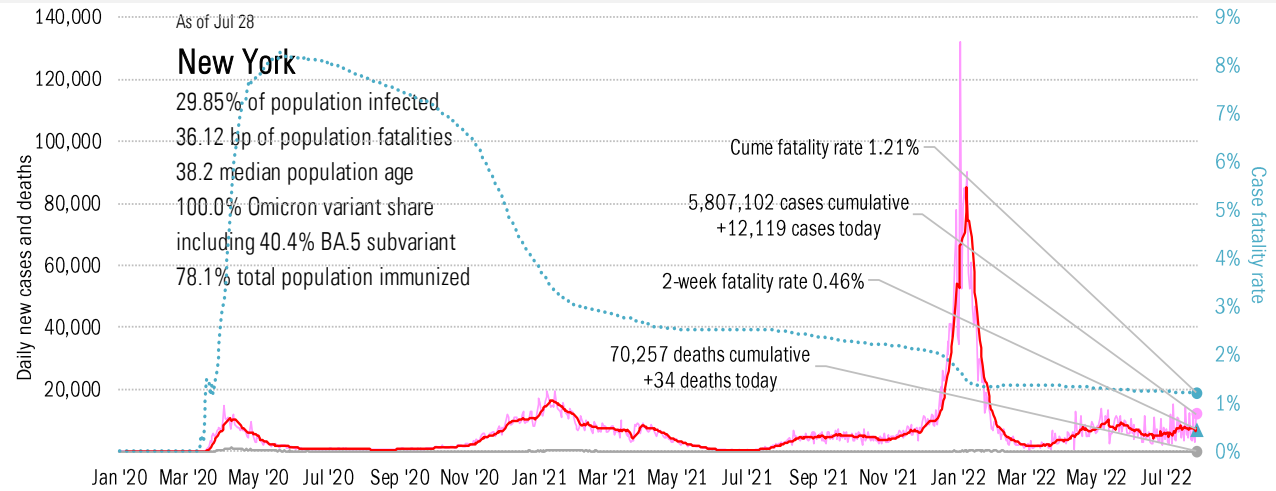
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

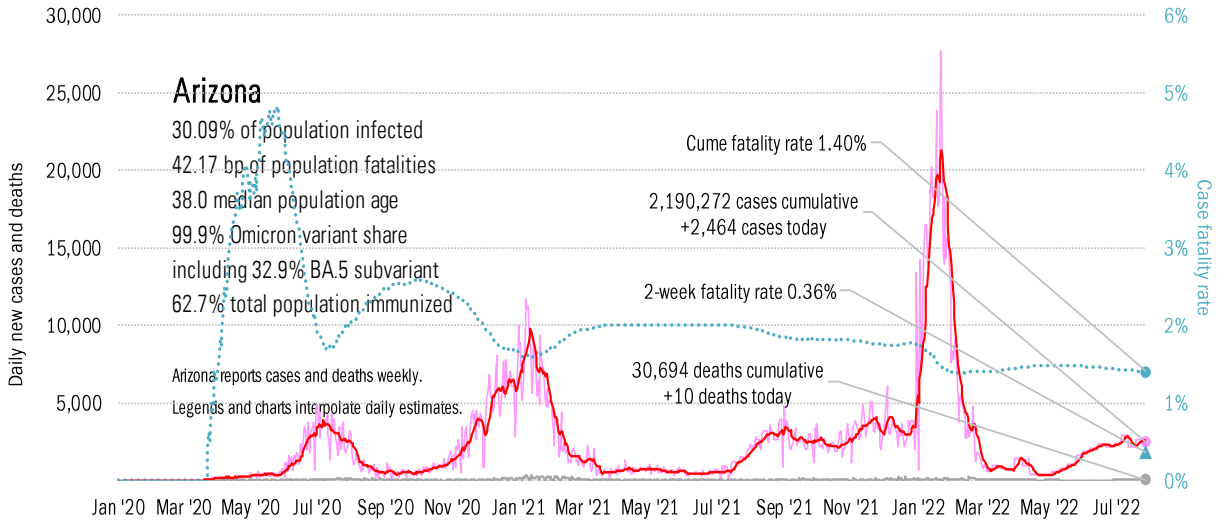
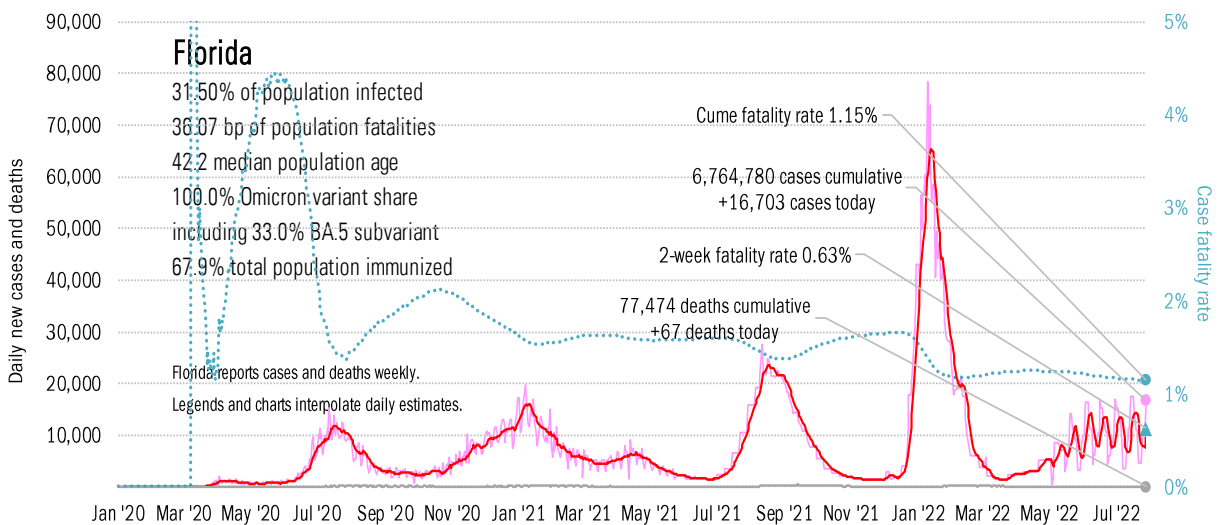
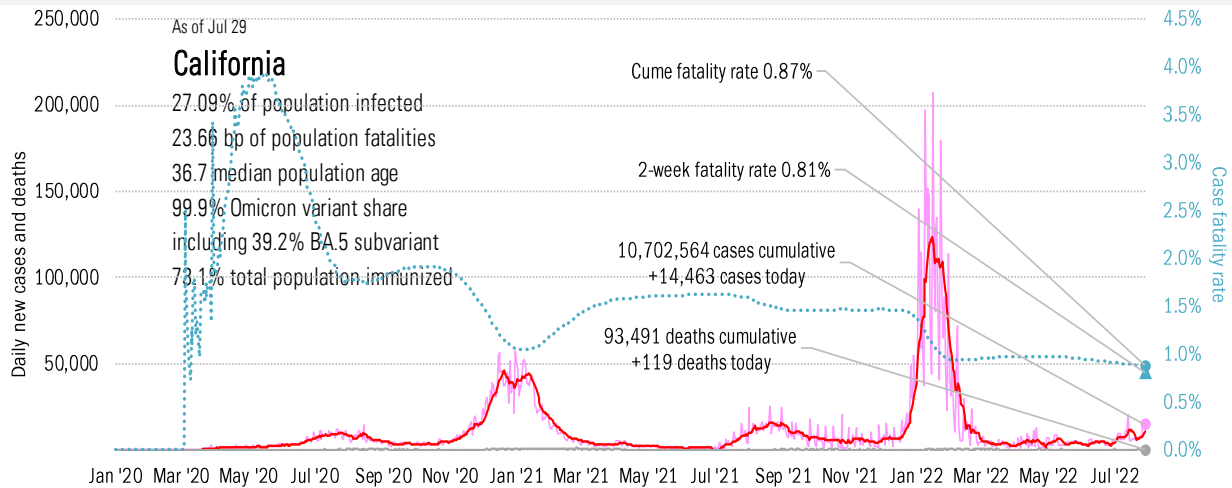
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

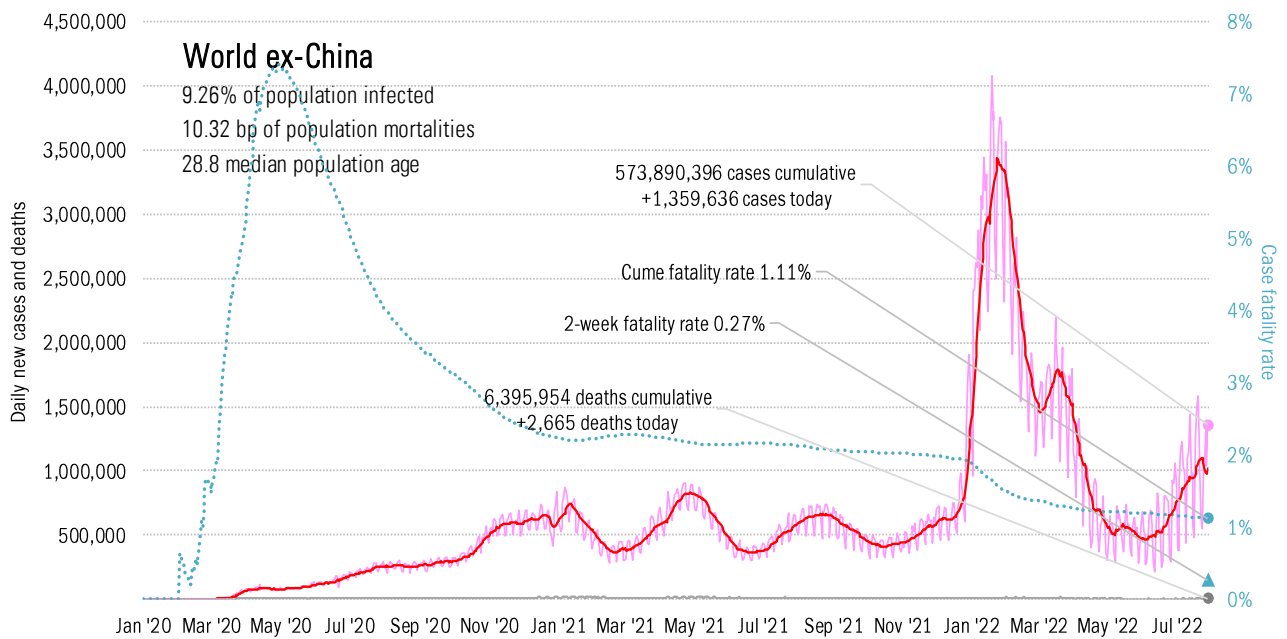
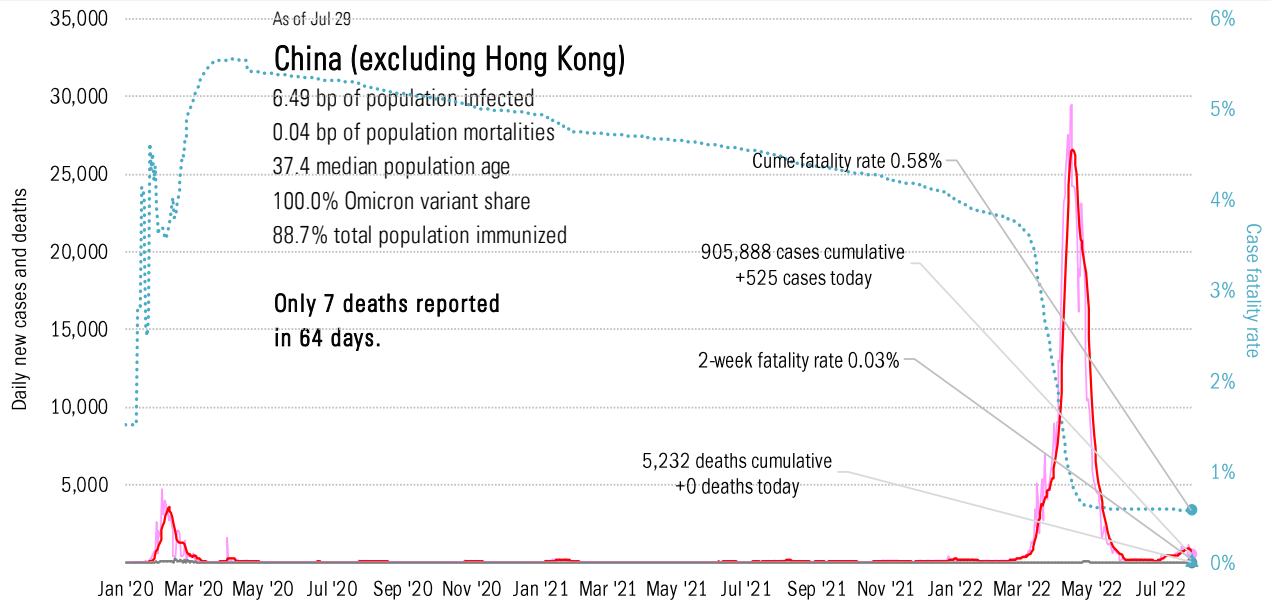
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

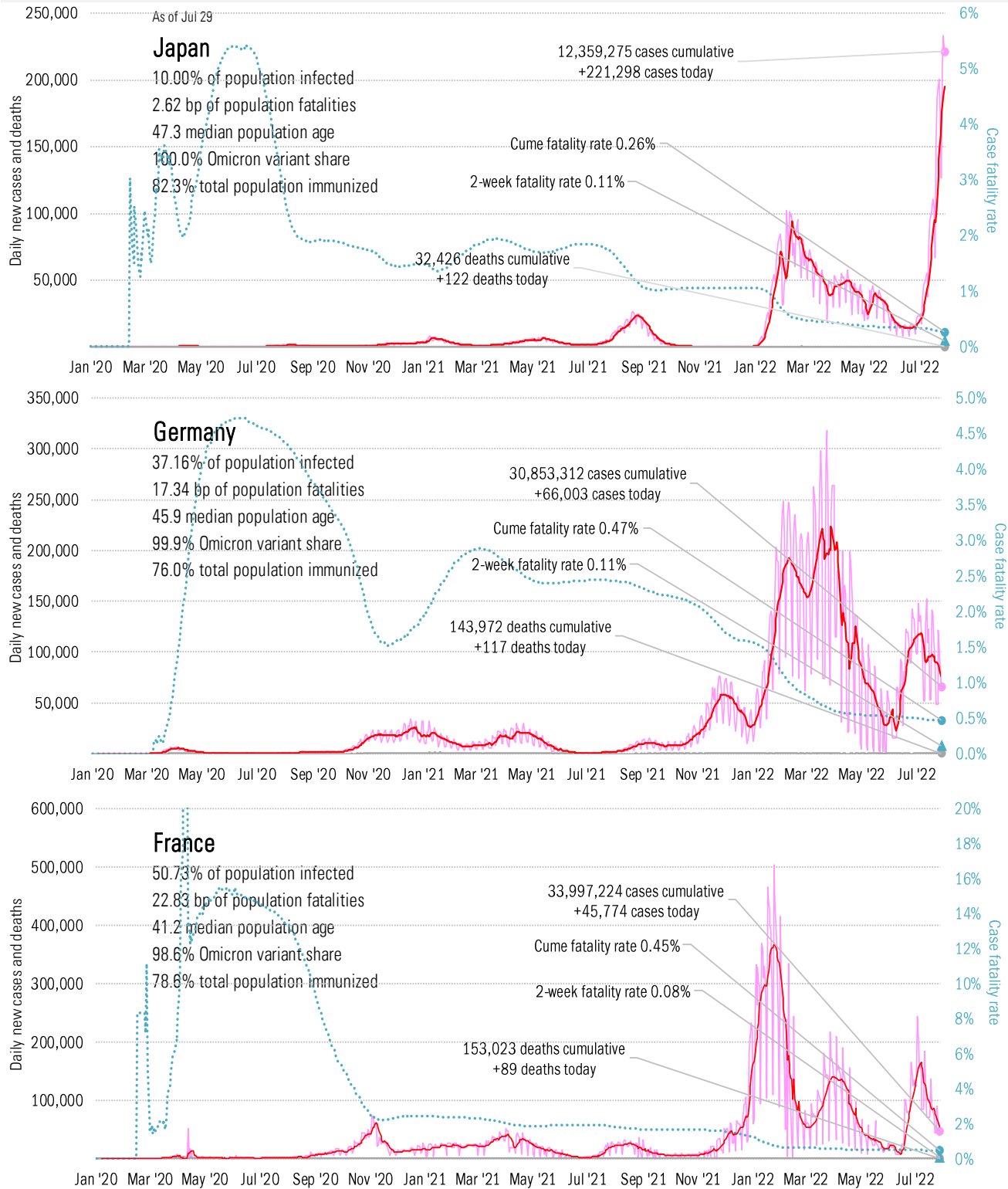
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

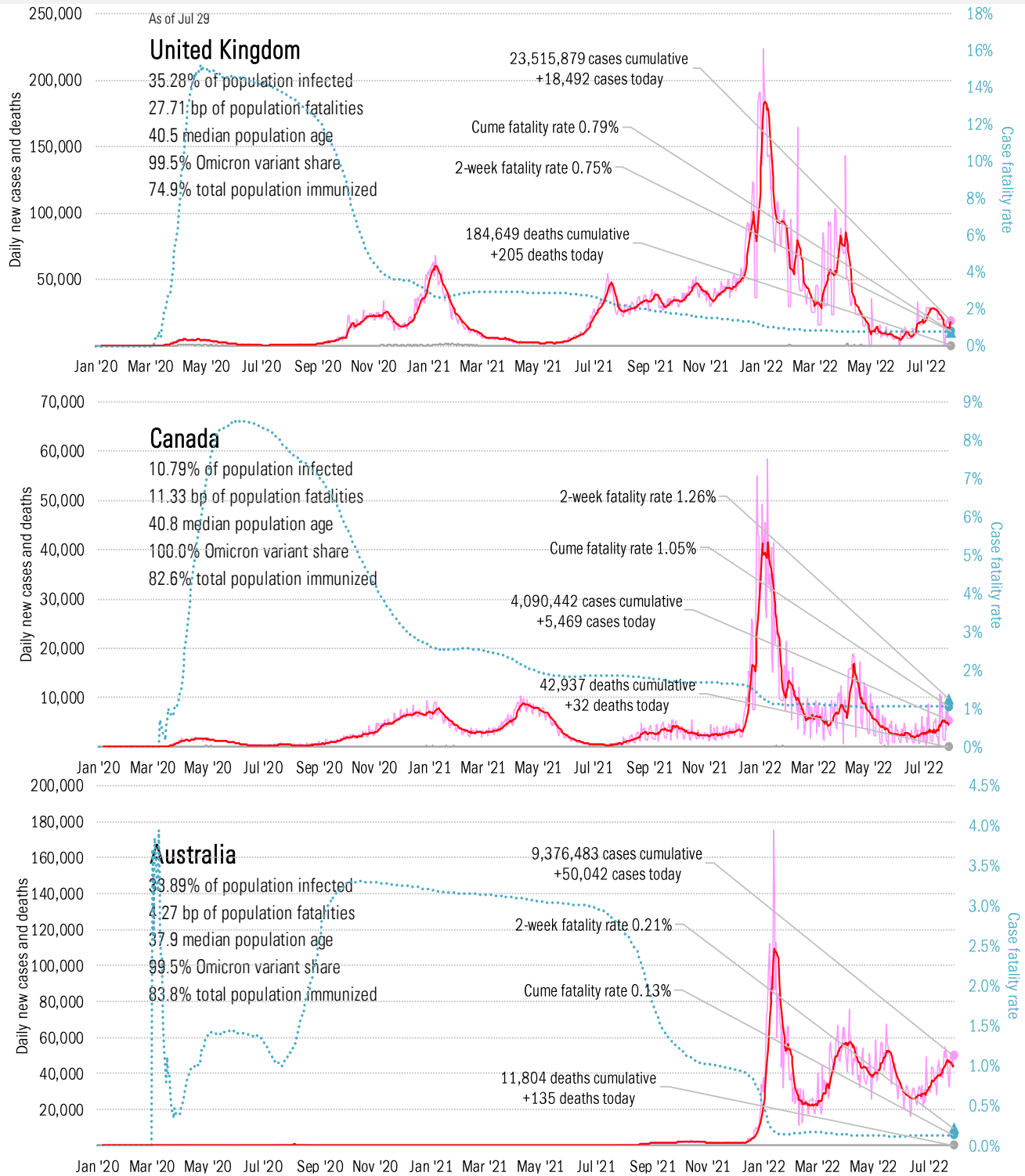
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

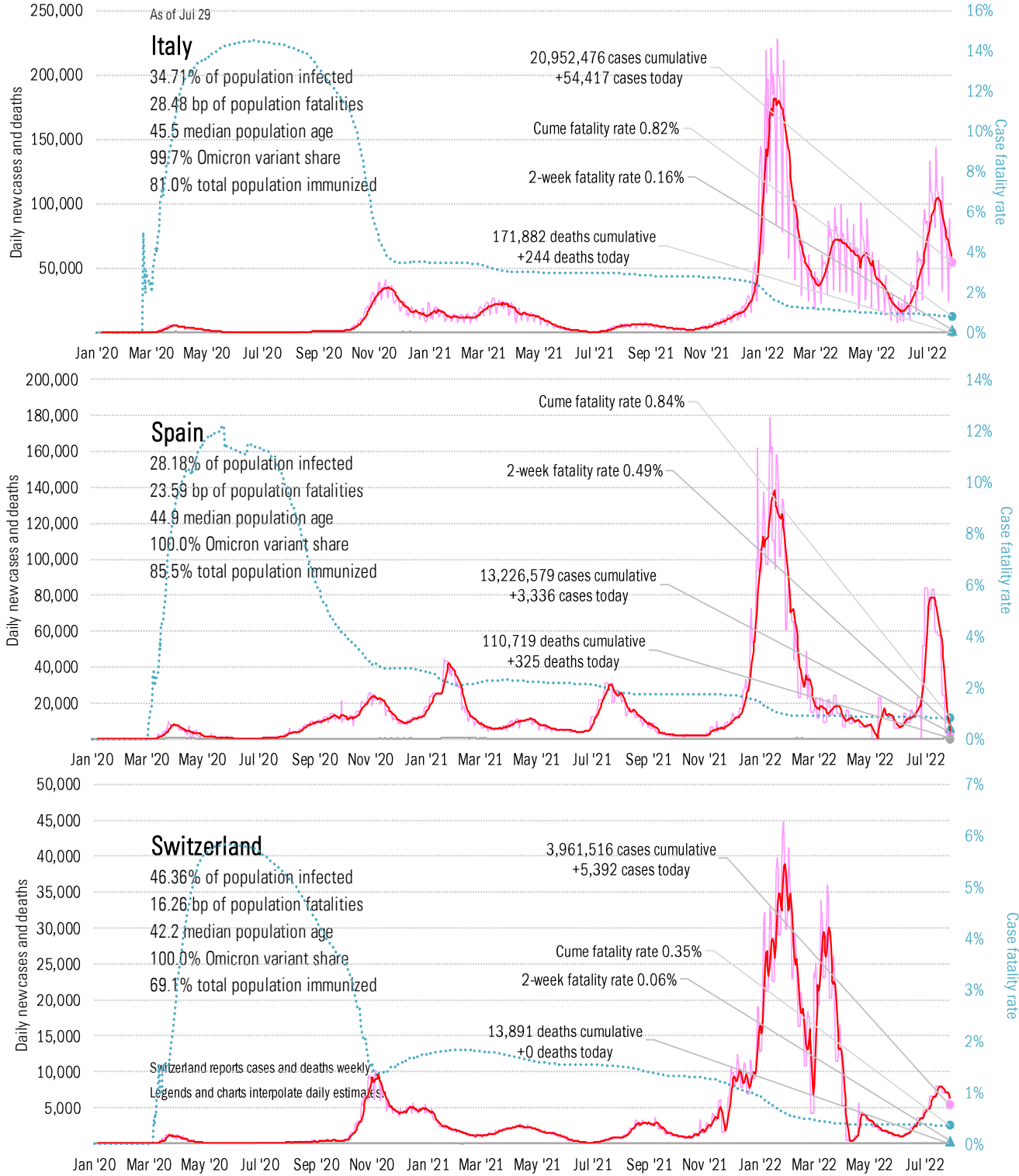
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

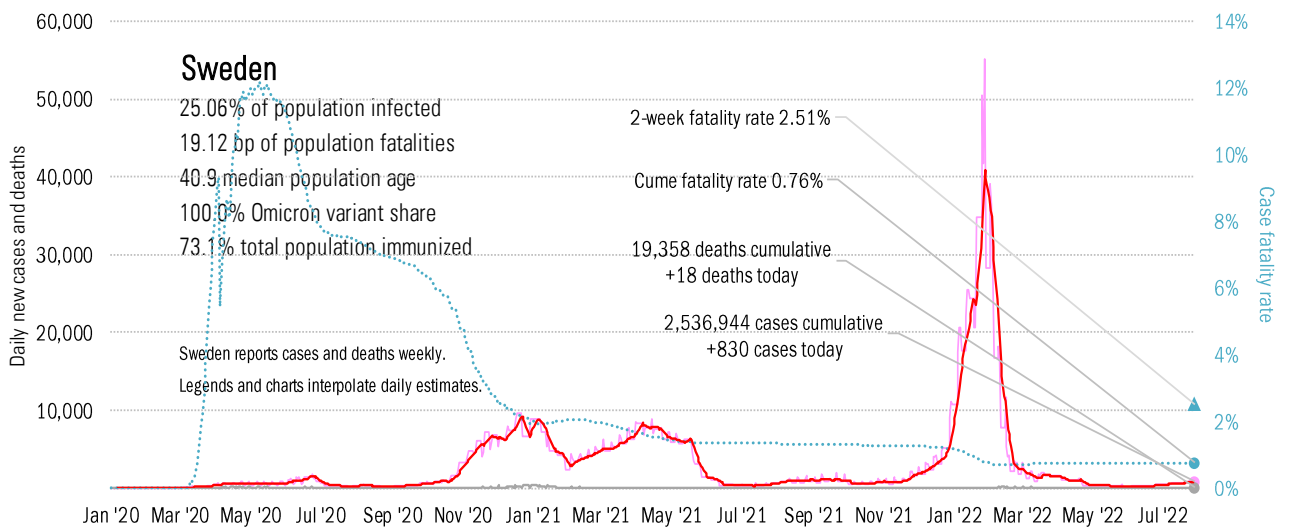
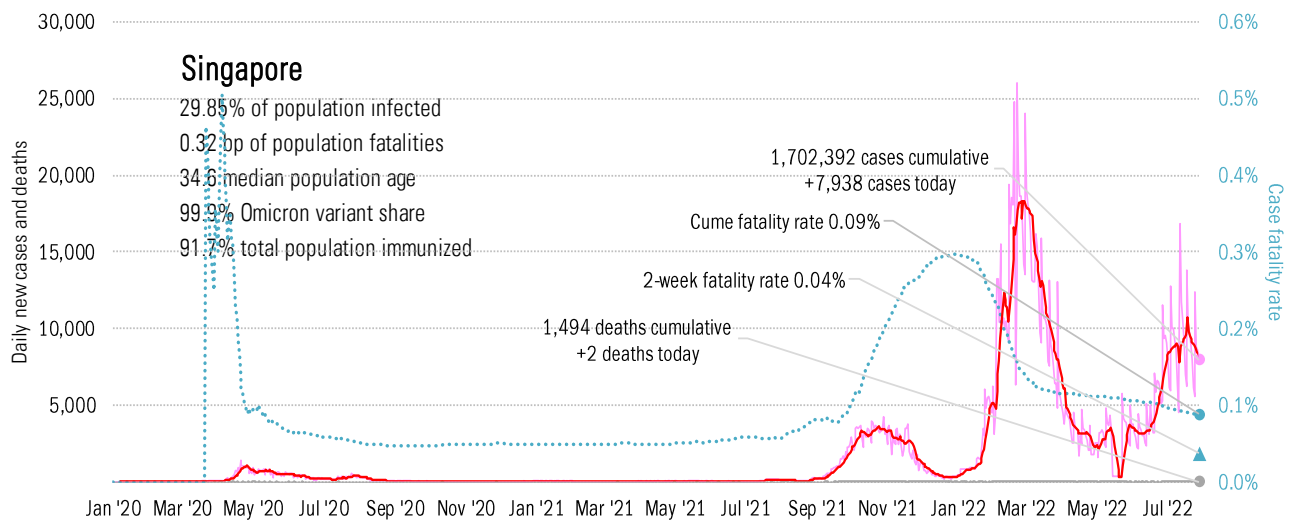
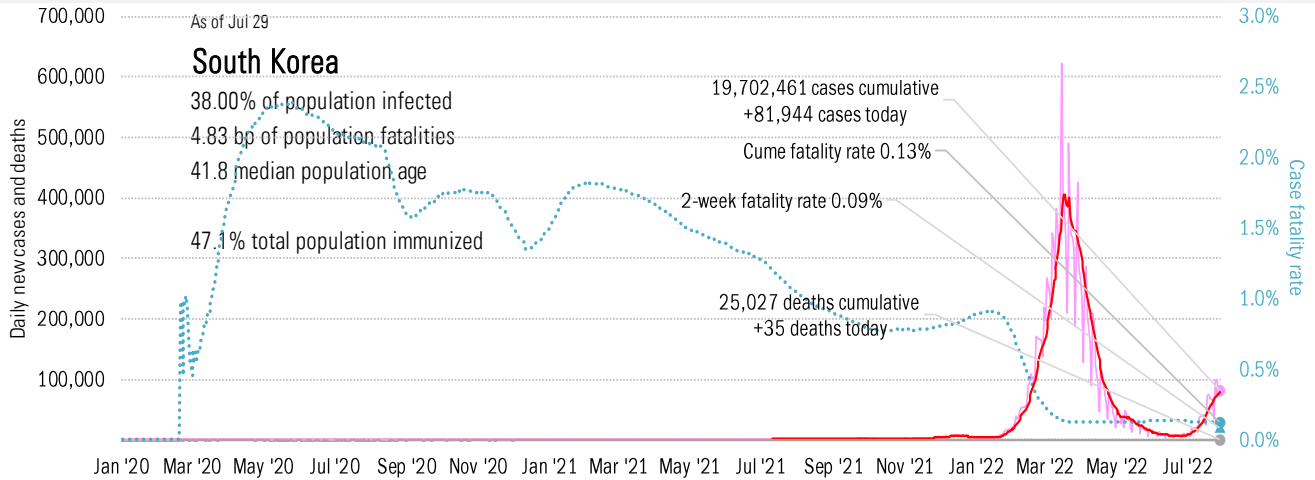
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

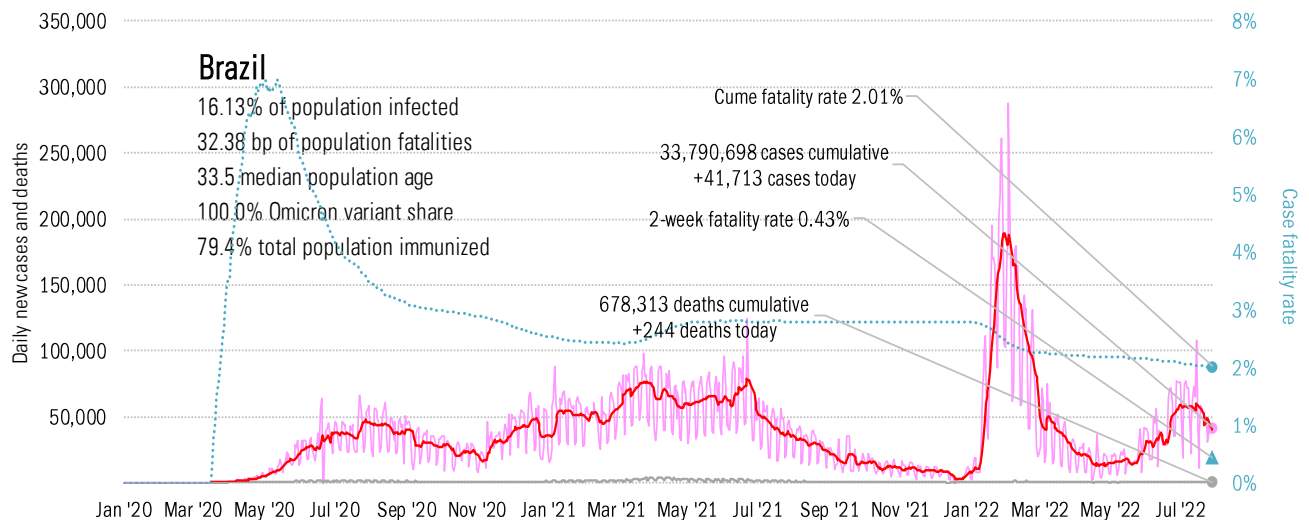
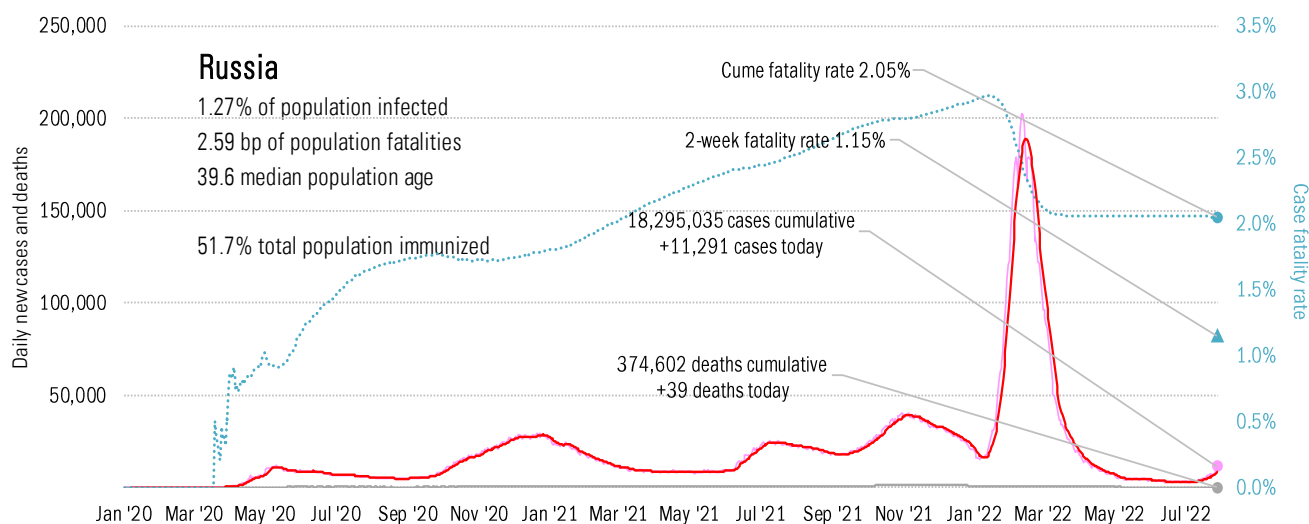
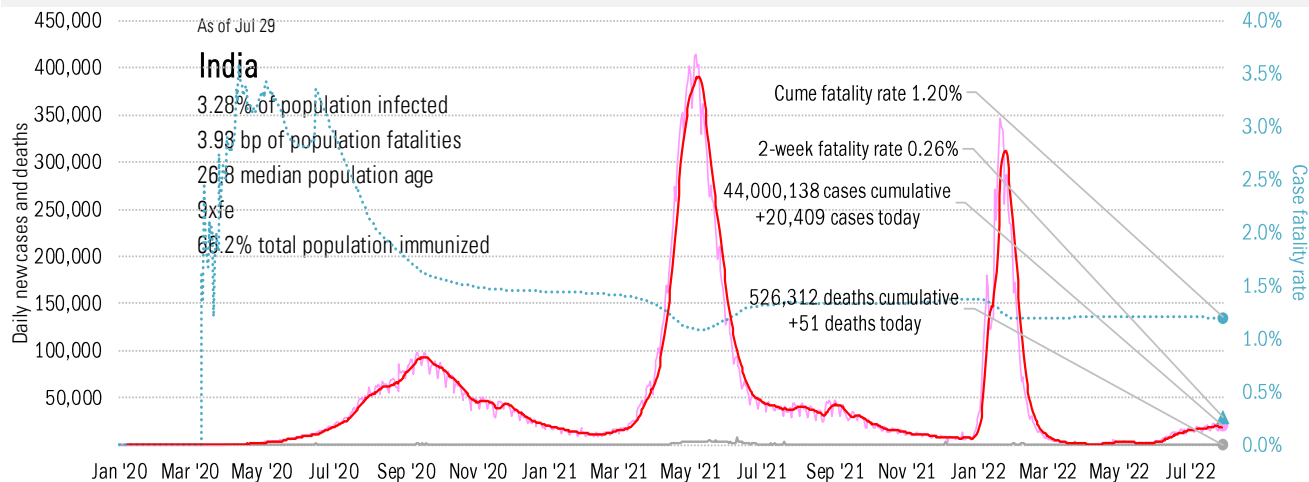
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

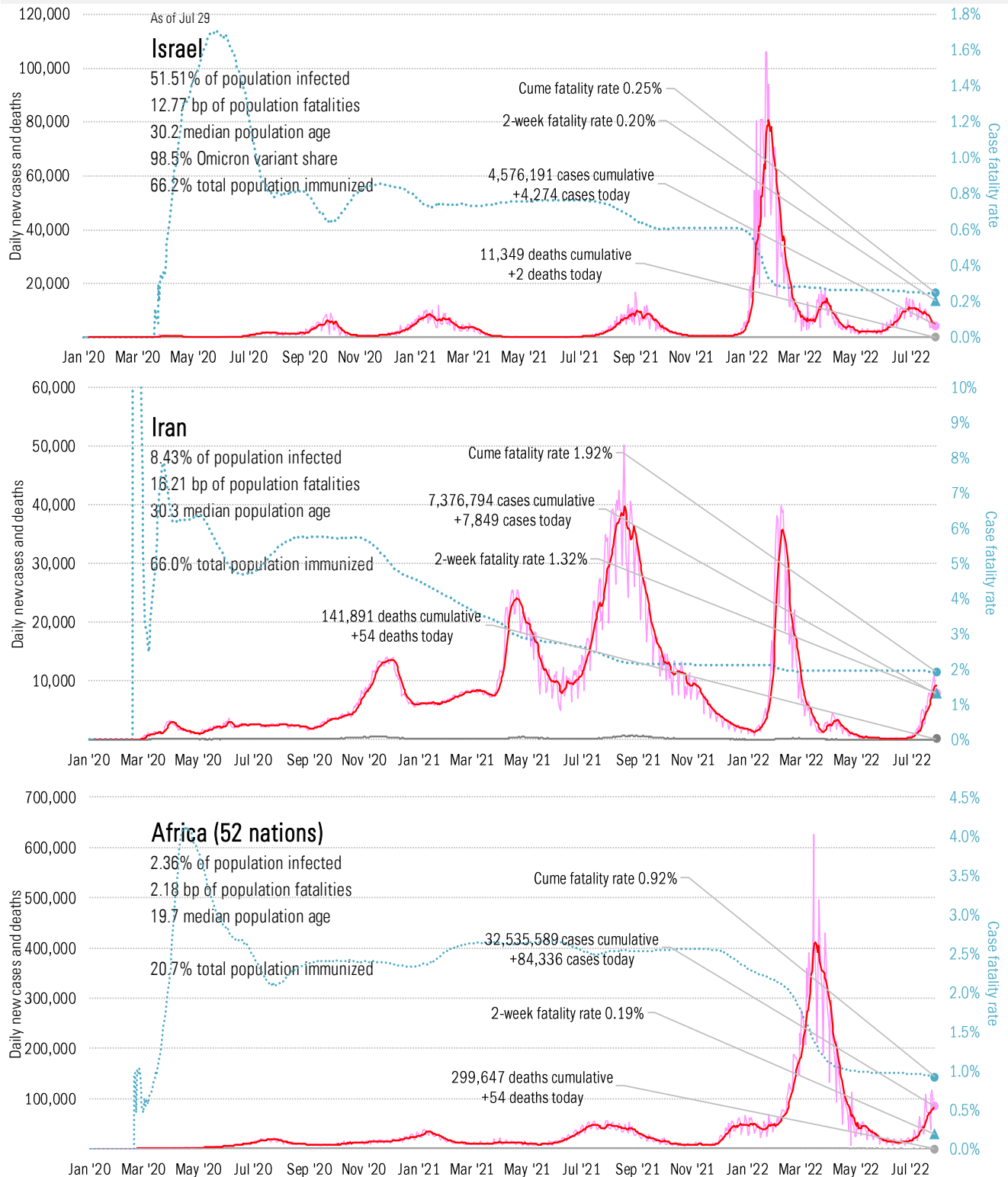
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

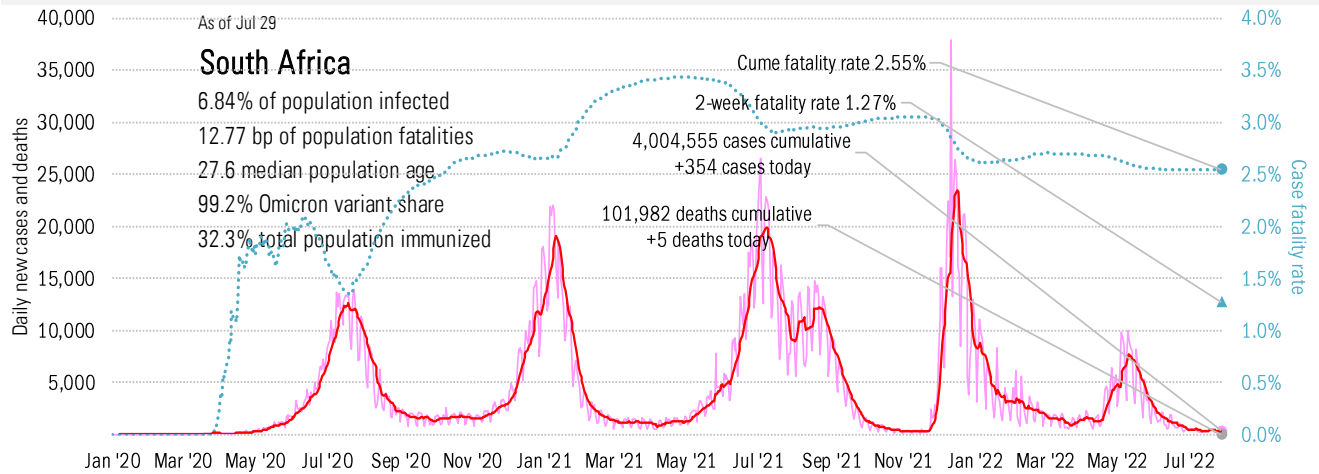
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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