

Data Insights: Covid-2019 Monitor

Saturday, July 9, 2022

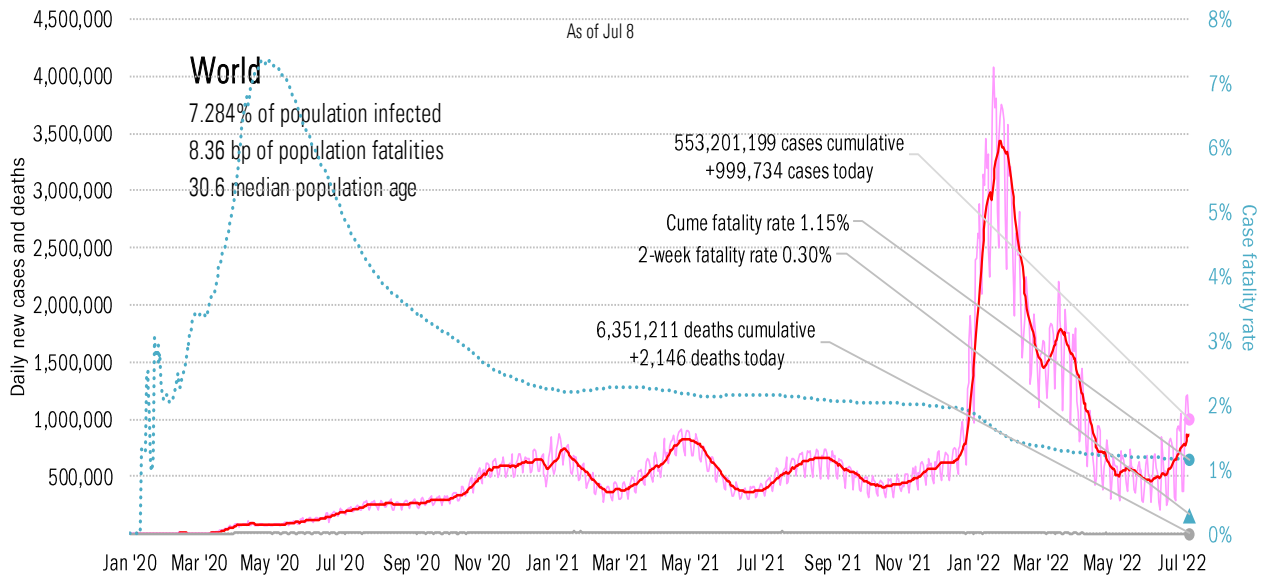
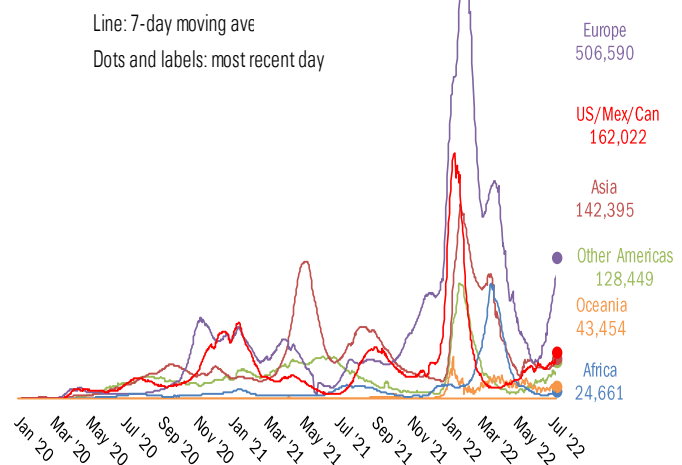
The global scorecard

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

The worst ten countries

| New cases | | New Deaths | |
|----------------|---------|---------------|-------|
| United States | 158,456 | United States | 477 |
| France | 141,198 | Spain | 471 |
| Italy | 101,863 | Brazil | 266 |
| Germany | 95,919 | Taiwan* | 131 |
| Spain | 83,613 | Italy | 105 |
| Brazil | 71,114 | Germany | 104 |
| Japan | 49,927 | France | 74 |
| Australia | 33,912 | Australia | 73 |
| Taiwan* | 30,446 | Russia | 47 |
| Korea, South | 20,263 | India | 43 |
| 786,711 | | 1,791 | |
| World | 999,734 | World | 2,146 |
| Top ten | 79% | Top ten | 83% |

New confirmed cases by continent



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

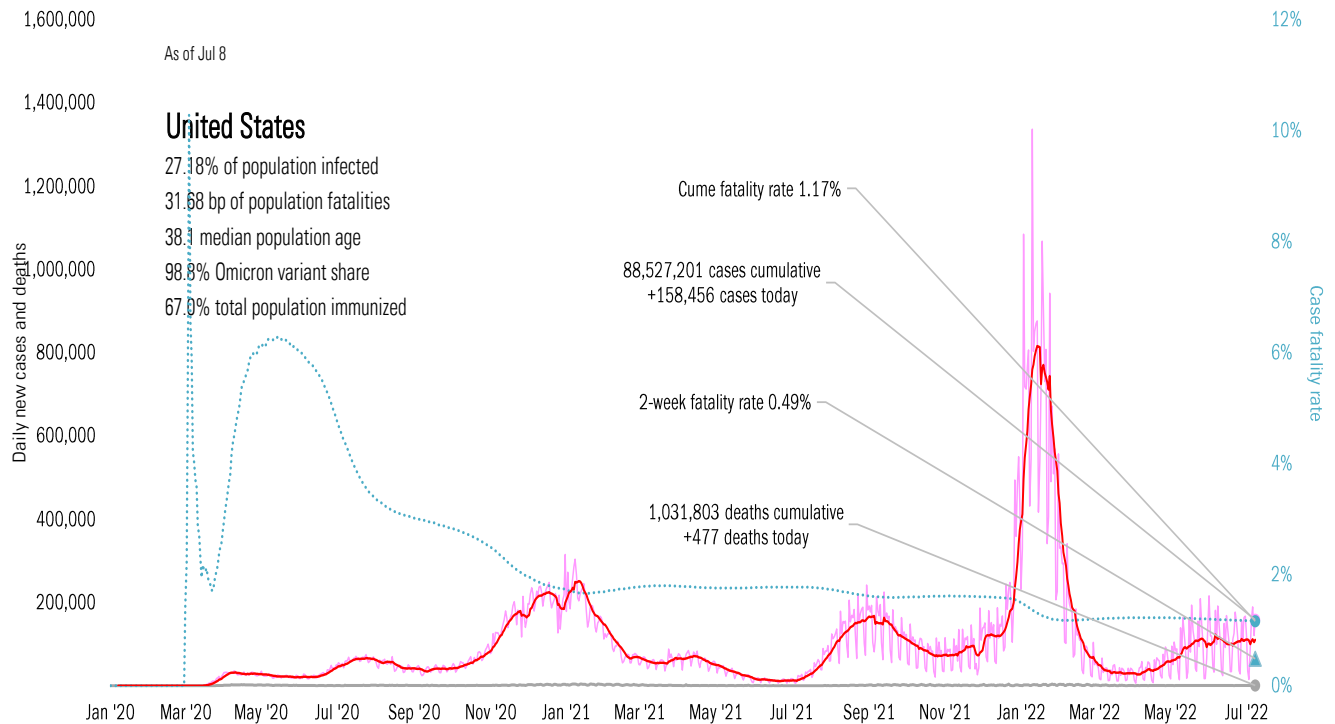
The ten worst US states

| New cases | | | New deaths | | | New in hospital | | | Cumulative cases | | | Cumulative deaths | | | Cumulative in hospital | | | Hospital use | | ICU use | |
|------------|---------|--|------------|-----|--|-----------------|-------|--|------------------|------------|--|-------------------|-----------|--|------------------------|-----------|--|--------------|-----|---------|-----|
| CA | 39,736 | | CA | 99 | | TX | 623 | | CA | 10,274,349 | | CA | 92,629 | | TX | 508,195 | | RI | 90% | NM | 84% |
| NY | 15,343 | | IN | 49 | | CA | 755 | | TX | 7,274,855 | | TX | 88,836 | | CA | 455,142 | | WA | 88% | NE | 83% |
| FR | 13,289 | | FL | 43 | | GA | 255 | | FL | 6,548,994 | | FL | 76,186 | | FL | 448,501 | | MA | 86% | NH | 83% |
| TX | 12,434 | | WA | 41 | | FL | 735 | | NY | 5,661,360 | | NY | 69,799 | | NY | 273,150 | | MN | 85% | TX | 82% |
| MO | 10,265 | | MO | 31 | | NY | 344 | | IL | 3,462,948 | | PA | 45,821 | | GA | 211,261 | | GA | 85% | WA | 82% |
| WA | 6,902 | | TX | 30 | | MO | 127 | | PA | 3,018,129 | | CH | 38,920 | | CH | 200,998 | | MD | 83% | AL | 81% |
| IL | 5,403 | | VA | 24 | | NJ | 161 | | NC | 2,892,680 | | GA | 38,685 | | PA | 188,089 | | NH | 83% | RI | 81% |
| IN | 4,794 | | MA | 21 | | SC | 94 | | CH | 2,867,291 | | IL | 38,660 | | IL | 170,011 | | MO | 82% | MA | 81% |
| NJ | 4,498 | | IL | 19 | | WA | 130 | | GA | 2,667,557 | | MI | 36,982 | | MI | 150,712 | | DE | 82% | GA | 79% |
| VA | 3,542 | | CO | 14 | | MD | 96 | | MI | 2,619,533 | | NJ | 34,099 | | KY | 136,699 | | PA | 82% | NC | 78% |
| 116,206 | | | 371 | | | 3,320 | | | 47,287,696 | | | 560,617 | | | 2,742,758 | | | | | | |
| All states | 158,456 | | | 477 | | | 6,096 | | All states | 88,527,201 | | | 1,031,803 | | | 4,981,453 | | All states | 70% | | 67% |
| Top ten | 73% | | | 78% | | | 54% | | Top ten | 53% | | | 55% | | | 55% | | Median | 75% | | 73% |

Some states not reporting

Five most improved US states

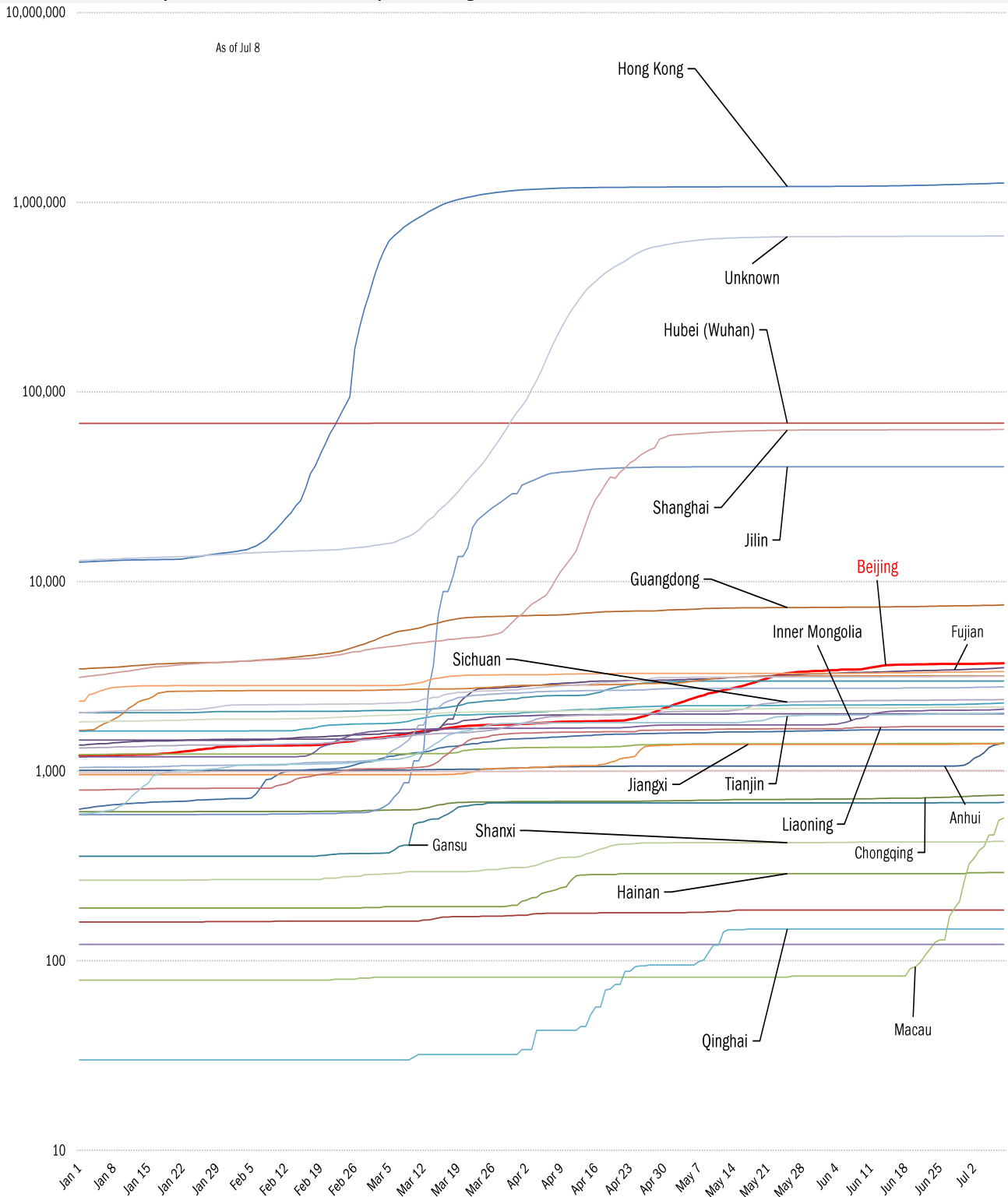
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | | Most pop immunity growth | |
|-------------------|---------|------------------|------|----------------------------|-----|--------------------------|---------|
| CH | -18,838 | CK | -718 | UT | -49 | WY | +461 bp |
| MN | -8,647 | FL | -59 | IL | -34 | MO | +444 bp |
| UT | -6,872 | MN | -34 | FL | -29 | PA | +433 bp |
| FL | -4,533 | CO | -28 | AL | -19 | AZ | +430 bp |
| NE | -2,816 | NY | -18 | NC | -19 | ID | +426 bp |



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"

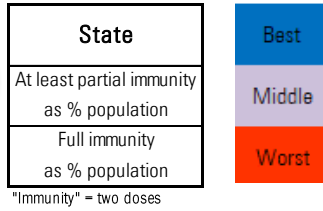
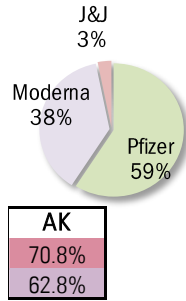


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

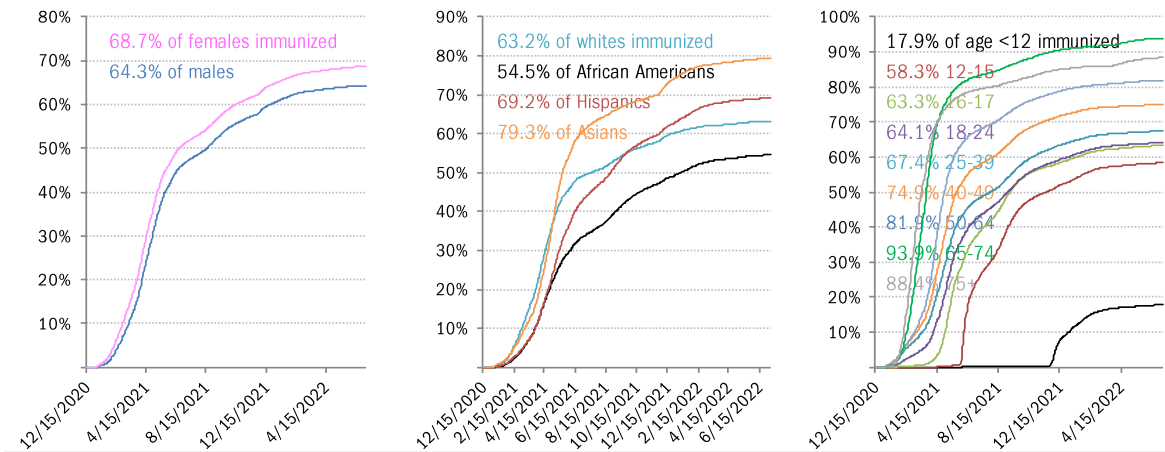
| Administered | Cumulative | | Today | Immunity | Full | Partial |
|-------------------|-------------|-------|----------------|----------|------------------|-----------------------|
| Doses | 612,676,095 | | +0.208 million | US | 67.0% | 78.4% |
| of which boosters | 108,590,845 | | +0.050 million | UK | 73.6% | 78.6% |
| | One dose | % Pop | Immune | % pop | New immune today | |
| Total population | 268,330,668 | 80% | 228,738,120 | 68% | +0.028 million | France 78.5% 80.8% |
| Age 12 to 17 | 17,958,024 | 71% | 15,363,062 | 61% | +0.003 million | Spain 86.8% 88.3% |
| Age 18 to 64 | 179,904,326 | 88% | 152,678,815 | 75% | +0.015 million | Germany 75.5% 77.1% |
| Age 65 and over | 59,439,014 | 100% | 51,975,143 | 95% | +0.005 million | Italy 79.4% 84.2% |
| | | | | | | Australia 84.1% 86.7% |
| | | | | | | Israel 66.2% 72.3% |
| | | | | | | Canada 82.6% 86.1% |
| | | | | | | Japan 81.2% 82.3% |
| | | | | | | Africa 19.8% 25.2% |
| | | | | | | India 65.9% 73.0% |
| | | | | | | Brazil 79.1% 86.4% |
| | | | | | | China 87.3% 89.6% |



As of Jul 7

| State | Best | Middle | Worst |
|-------|-------|--------|-------|
| AK | 70.8% | 62.8% | |
| WI | 72.5% | 66.2% | |
| ME | 92.2% | 80.6% | |
| NY | 91.2% | 77.9% | |
| VT | 94.8% | 82.0% | |
| NH | 89.7% | 71.7% | |
| OR | 78.7% | 70.3% | |
| NV | 76.2% | 61.5% | |
| WY | 58.7% | 51.4% | |
| SD | 77.9% | 62.7% | |
| IA | 68.5% | 62.5% | |
| IN | 62.7% | 56.5% | |
| OH | 63.8% | 58.8% | |
| PA | 86.3% | 69.7% | |
| NJ | 91.5% | 76.5% | |
| MA | 95.0% | 80.1% | |
| CA | 83.1% | 72.9% | |
| UT | 72.8% | 64.8% | |
| CO | 80.4% | 70.9% | |
| NE | 71.0% | 64.1% | |
| MO | 66.9% | 56.7% | |
| KY | 66.8% | 57.9% | |
| WV | 65.6% | 58.2% | |
| VA | 86.9% | 73.9% | |
| MD | 87.8% | 76.5% | |
| CT | 95.0% | 80.2% | |
| RI | 95.0% | 83.8% | |
| AZ | 74.4% | 62.5% | |
| NM | 89.2% | 72.1% | |
| KS | 73.3% | 62.6% | |
| AR | 67.5% | 55.1% | |
| TN | 62.8% | 55.0% | |
| NC | 86.0% | 62.6% | |
| SC | 68.5% | 57.7% | |
| DC | 95.0% | 76.3% | |
| DE | 84.3% | 70.2% | |
| OK | 71.9% | 58.0% | |
| LA | 61.6% | 54.0% | |
| MS | 60.2% | 52.3% | |
| AL | 63.3% | 51.6% | |
| GA | 66.2% | 55.5% | |
| HI | 88.6% | 79.1% | |
| TX | 74.5% | 62.4% | |
| FL | 80.2% | 67.7% | |
| PR | 95.0% | 83.7% | |

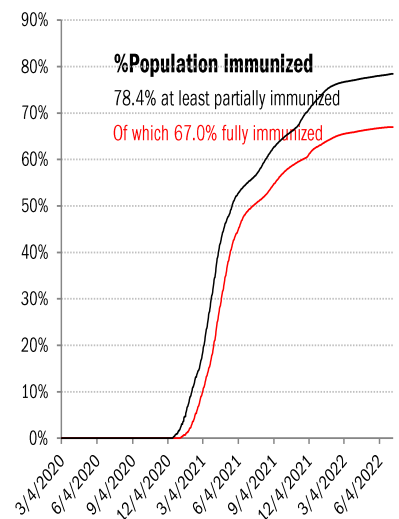
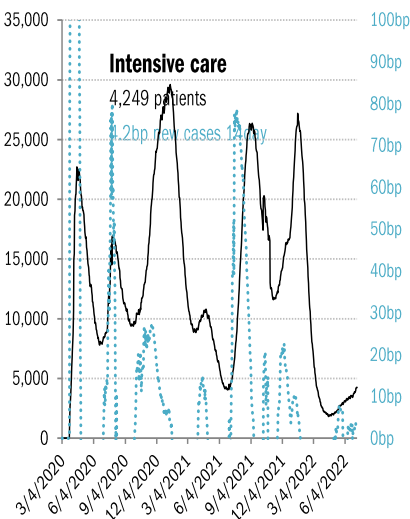
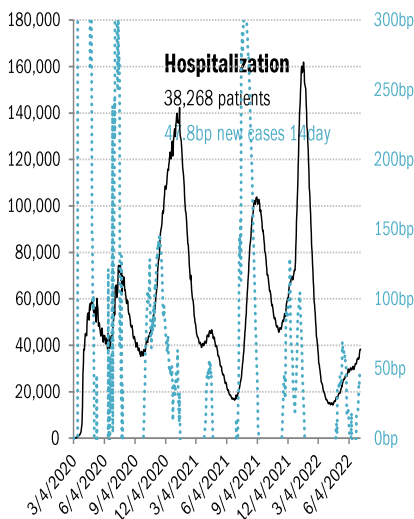
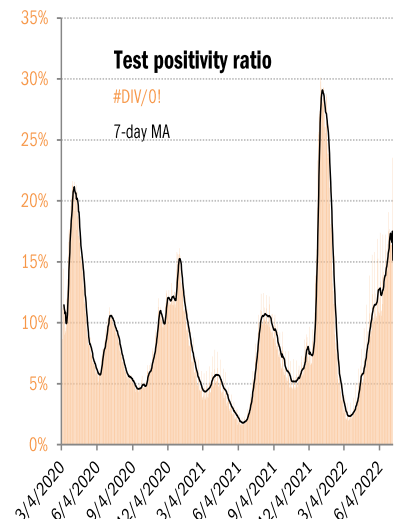
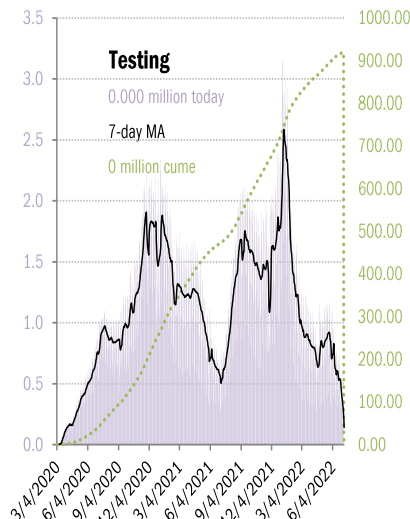
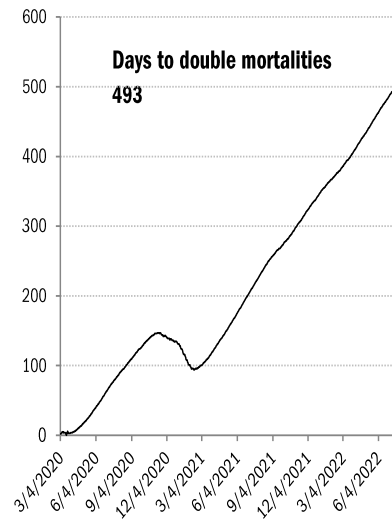
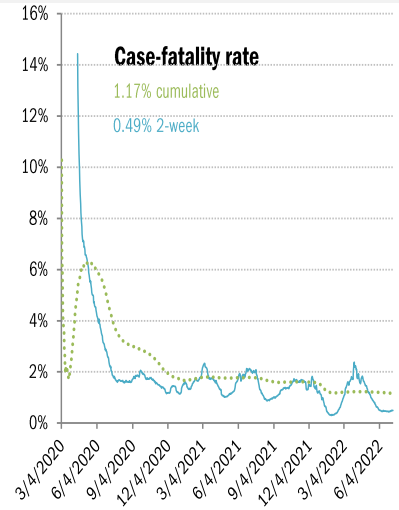
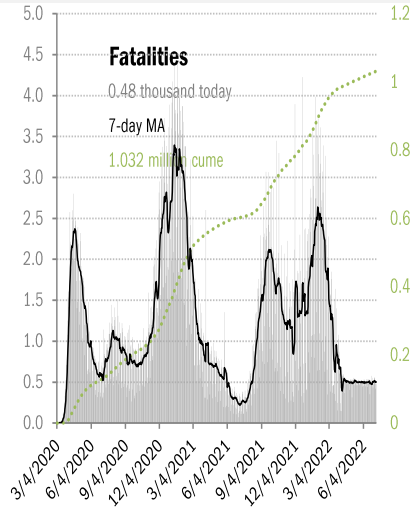
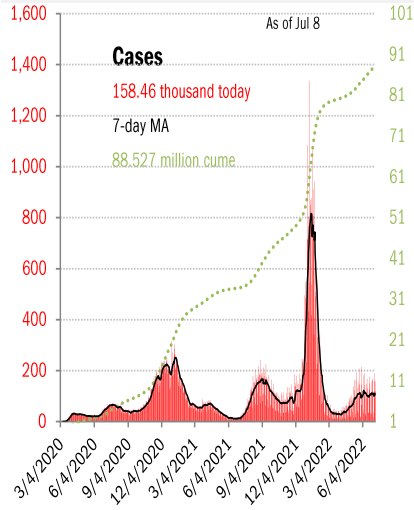
The demographics of US vaccination



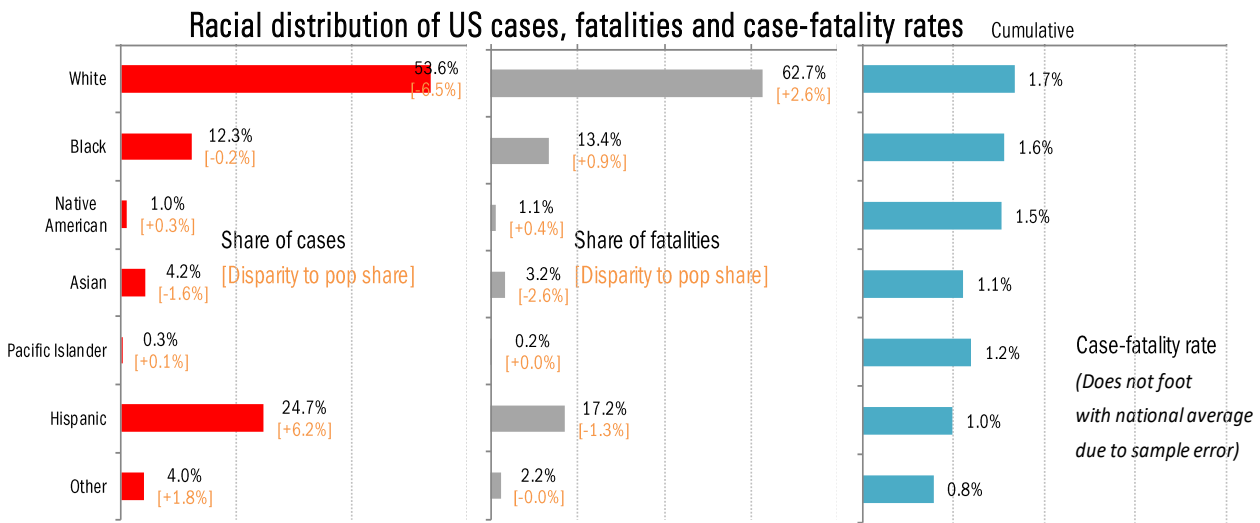
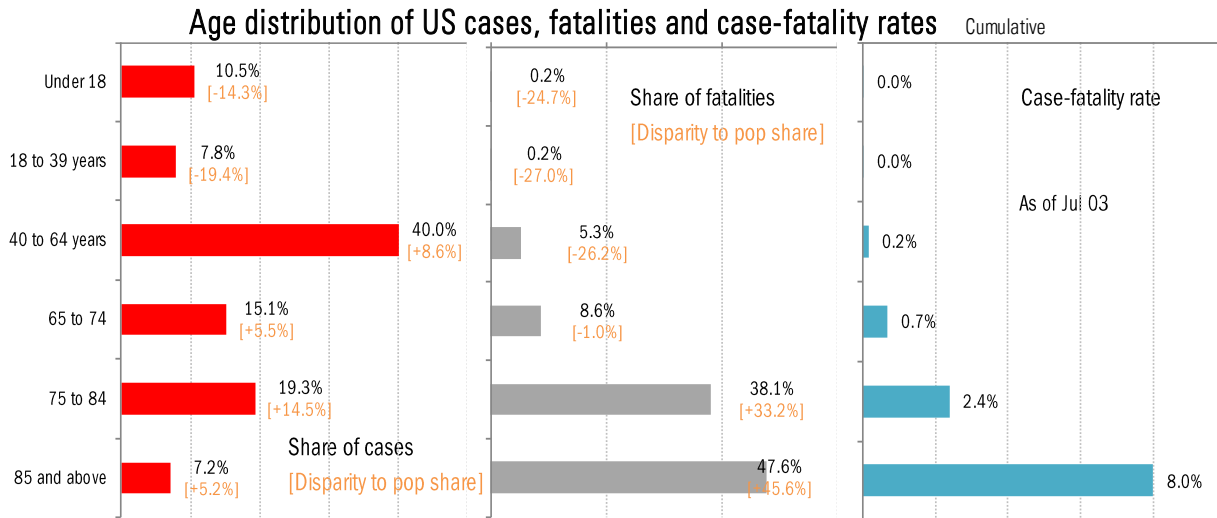
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

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

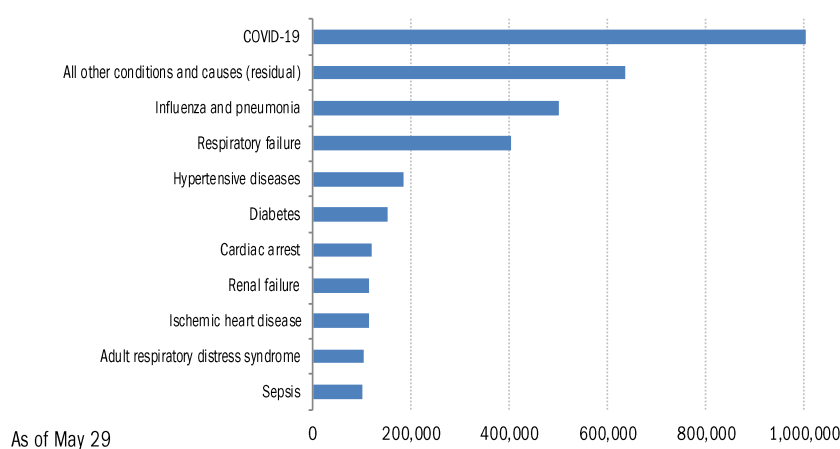


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

Comorbidity data has been paused by the CDC while making "system upgrades."

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Americans Reflect on Nation's COVID-19 Response](#)

Cary Funk, Alec Tyson, Giancarlo Pasquini and Alison Spencer
Pew Research Center
July 7, 2022

[The pandemic has eroded Americans' trust in experts and elected leaders alike, a survey finds.](#)

Christine Chung and Carly Olson
New York Times
July 8, 2022

[BA.4 and BA.5 power a surge of known infections in Europe, officials say.](#)

Adeel Hassan, Isabella Kwai and Carly Olson
New York Times
July 8, 2022

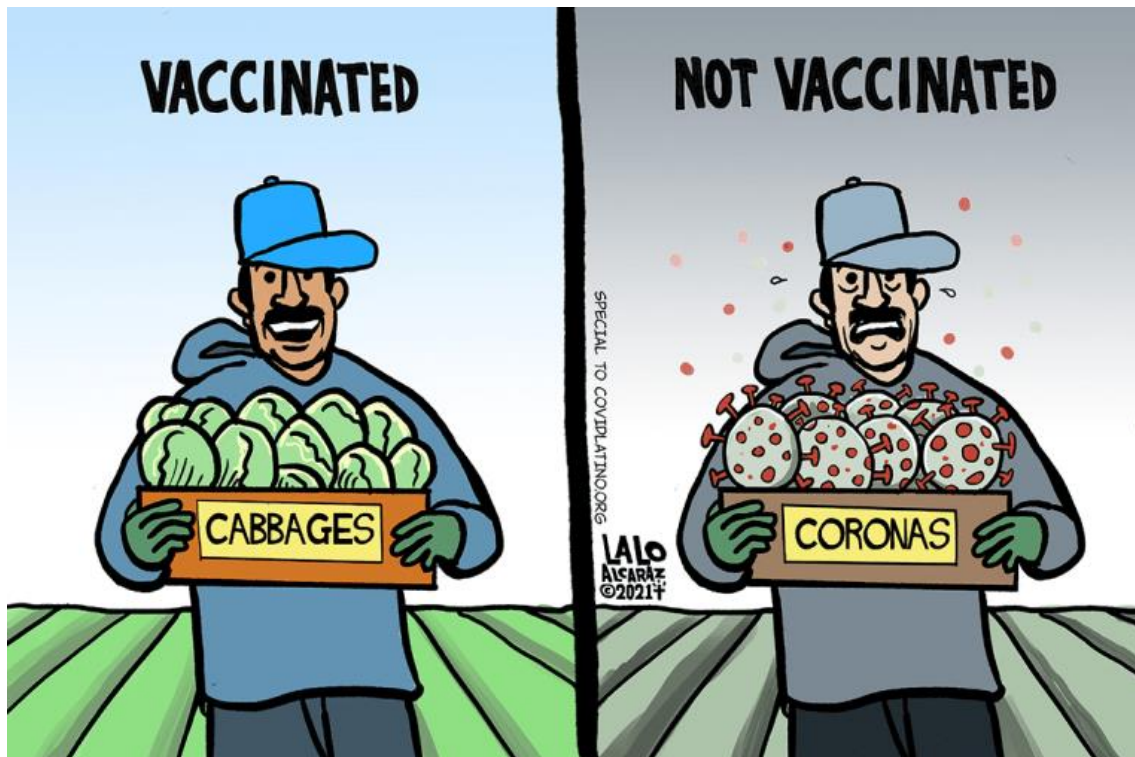
[The U.S. May Be Losing the Fight Against Monkeypox, Scientists Say](#)

Apoorva Mandavilli
New York Times
July 8, 2022

[The Consequences of Remote and Hybrid Instruction During the Pandemic](#)

Dan Goldhaber et al.
Center for Education Policy Research, Harvard University
May 2022

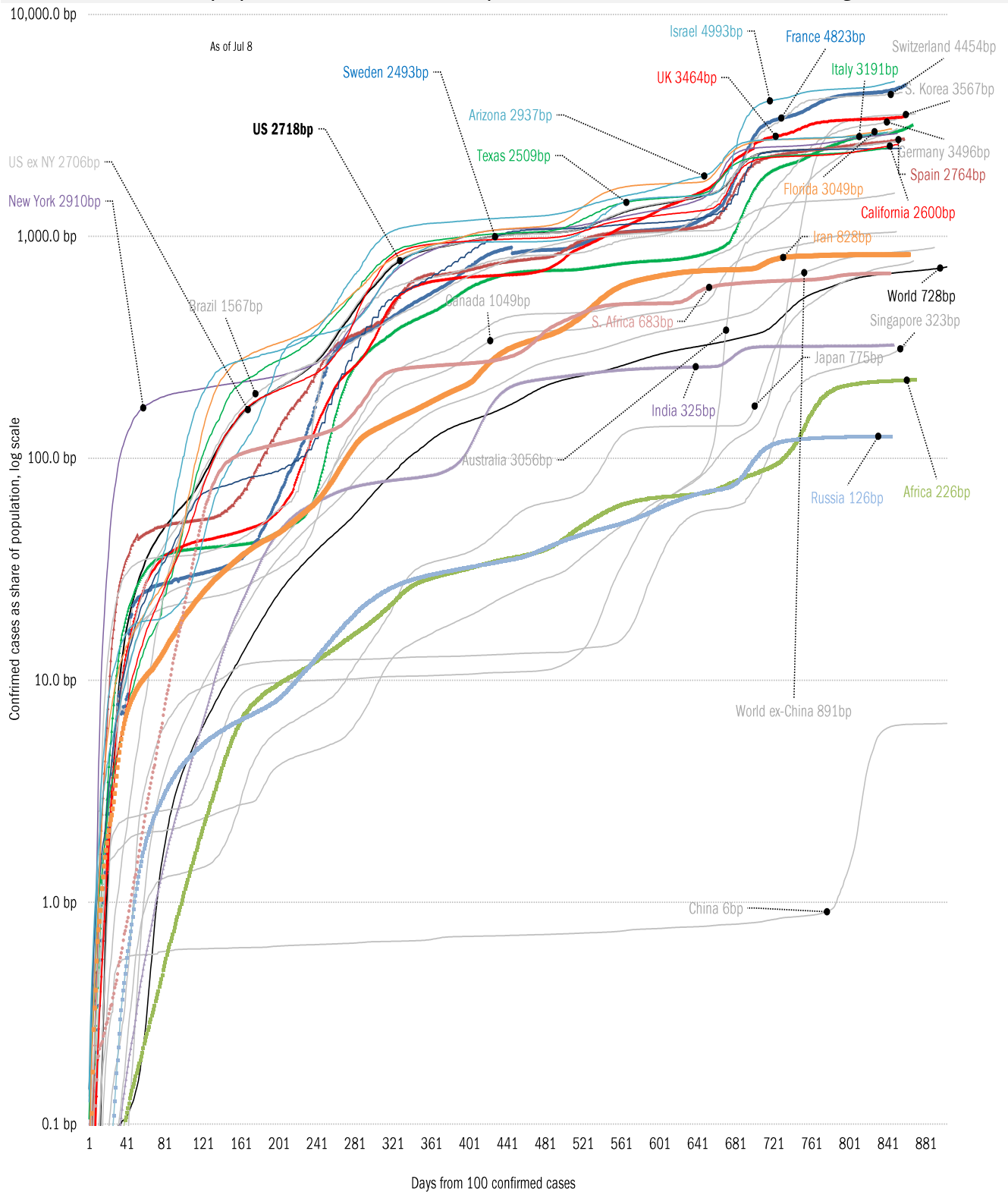
Meme of the day (a little walk down short-term memory lane)



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

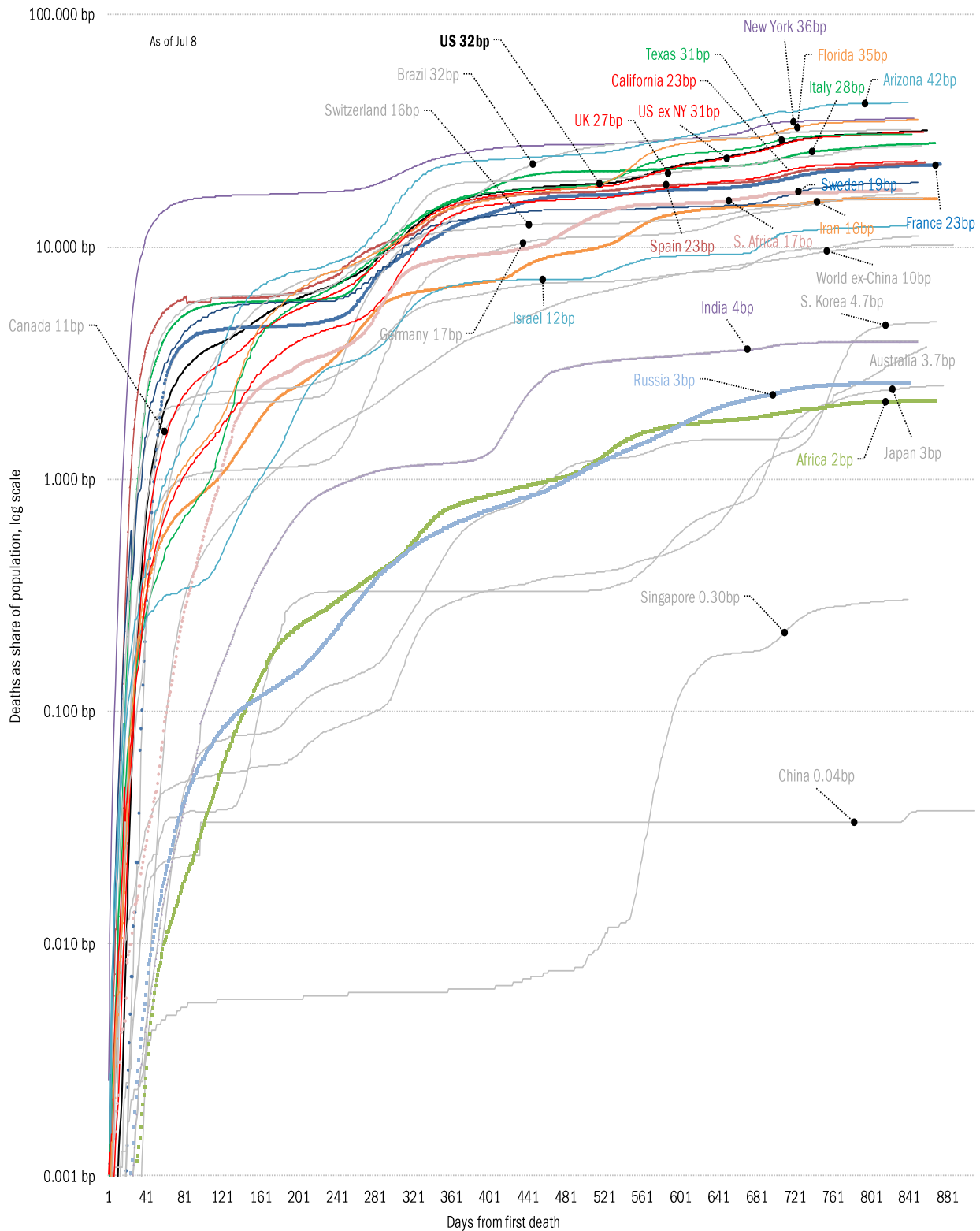
The global coronavirus case accelerometer... tracking the world's infection curves

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

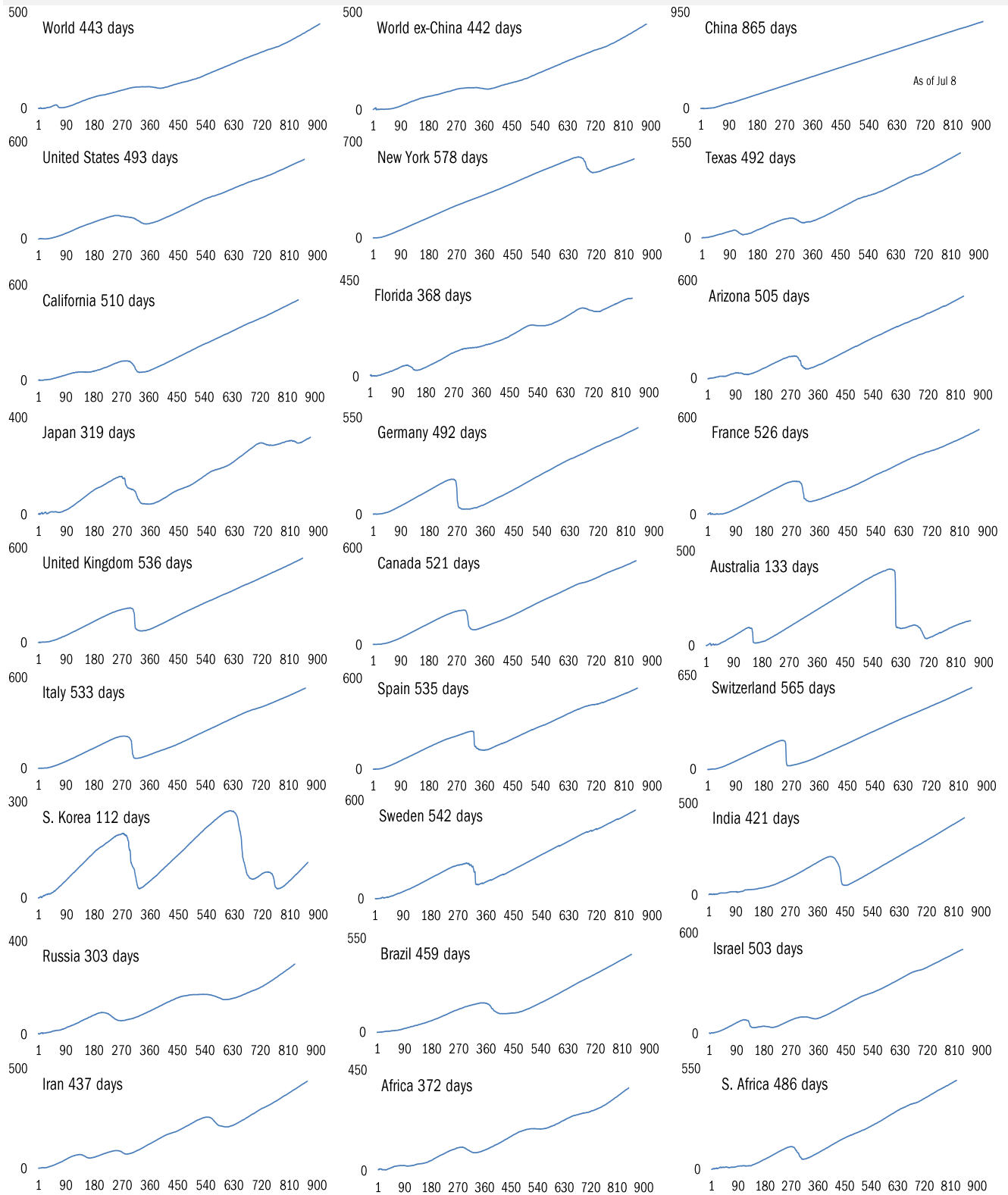


Source: [Johns Hopkins](#), TrendMacro calculations

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

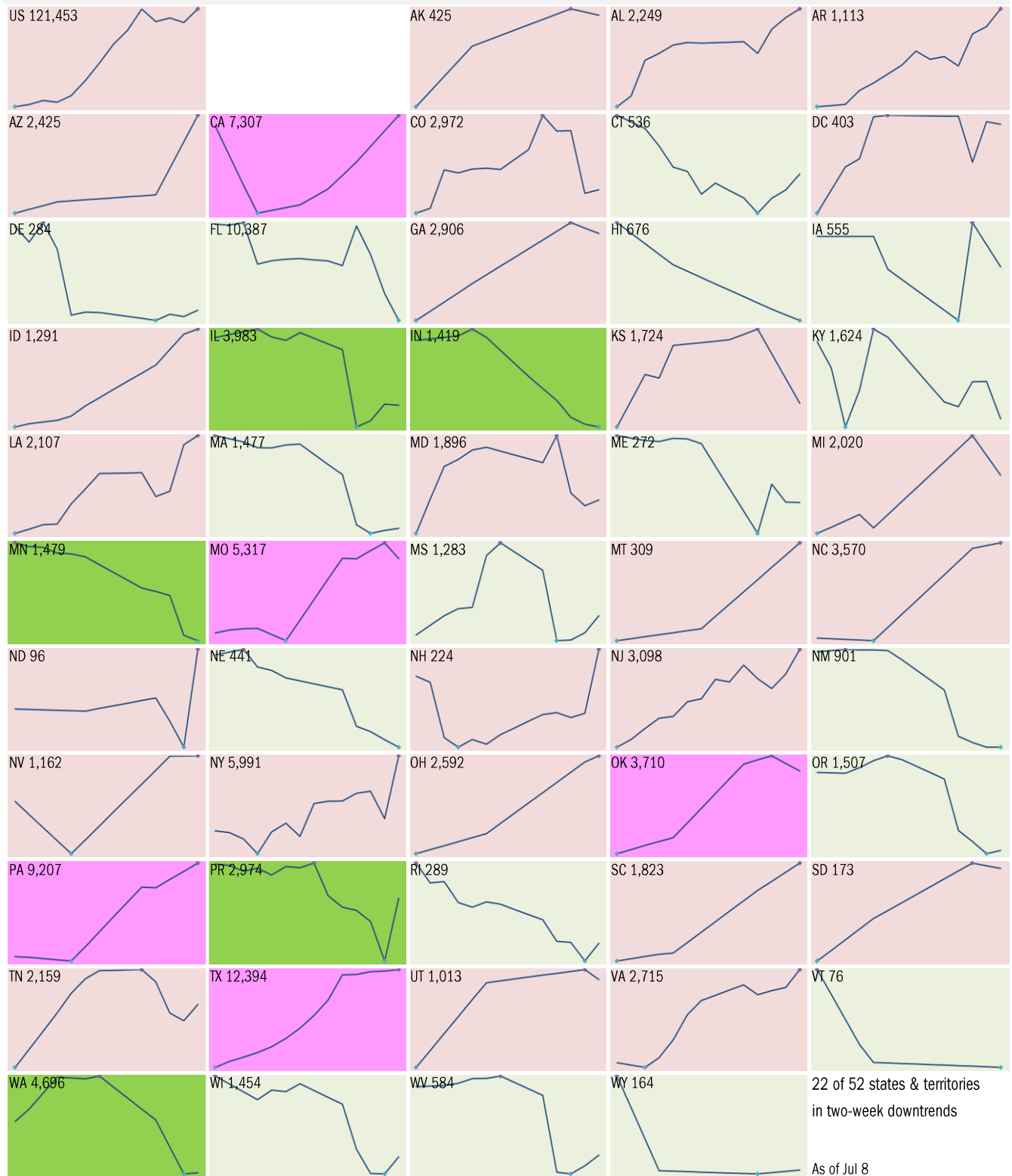


Source: [Johns Hopkins](#), TrendMacro calculations

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

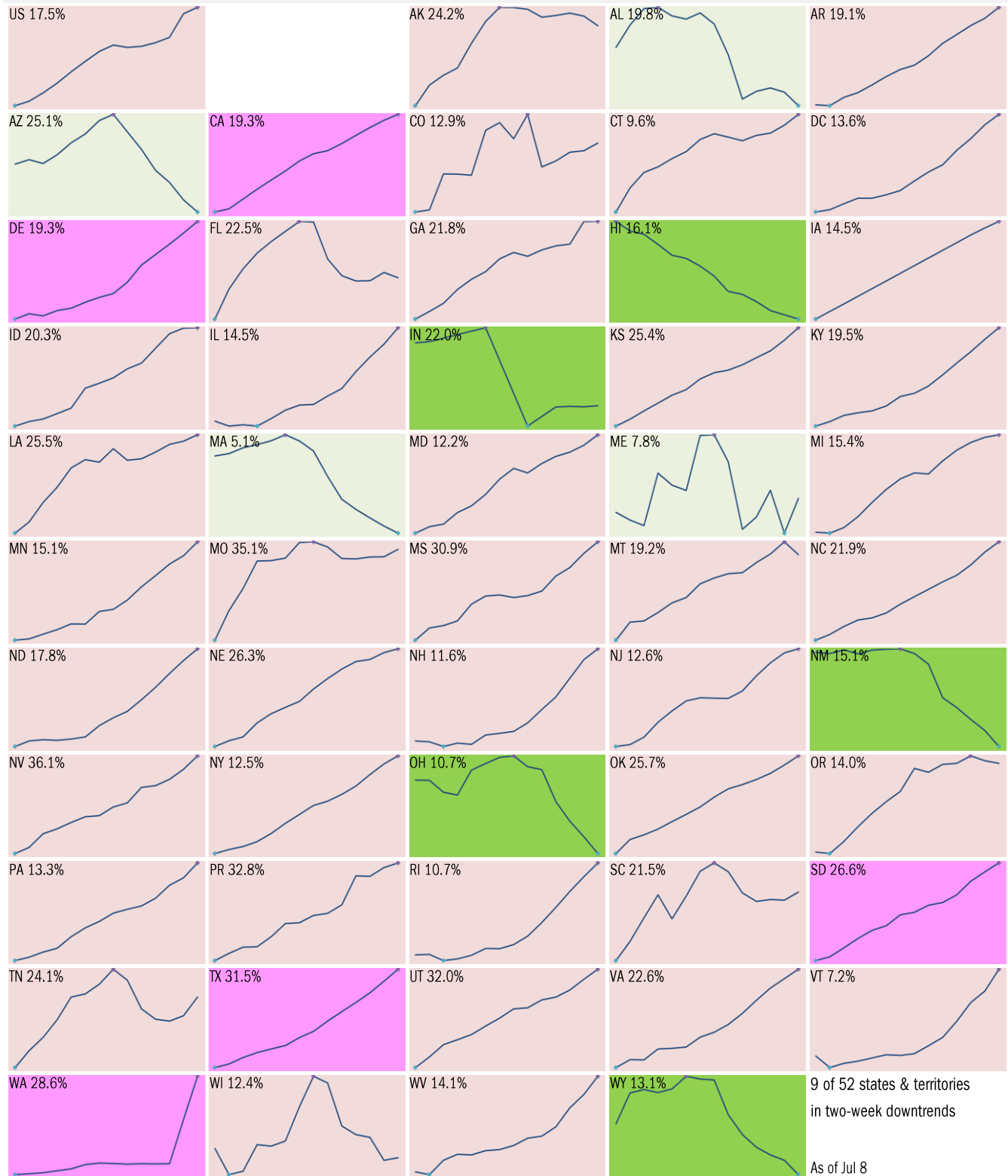


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

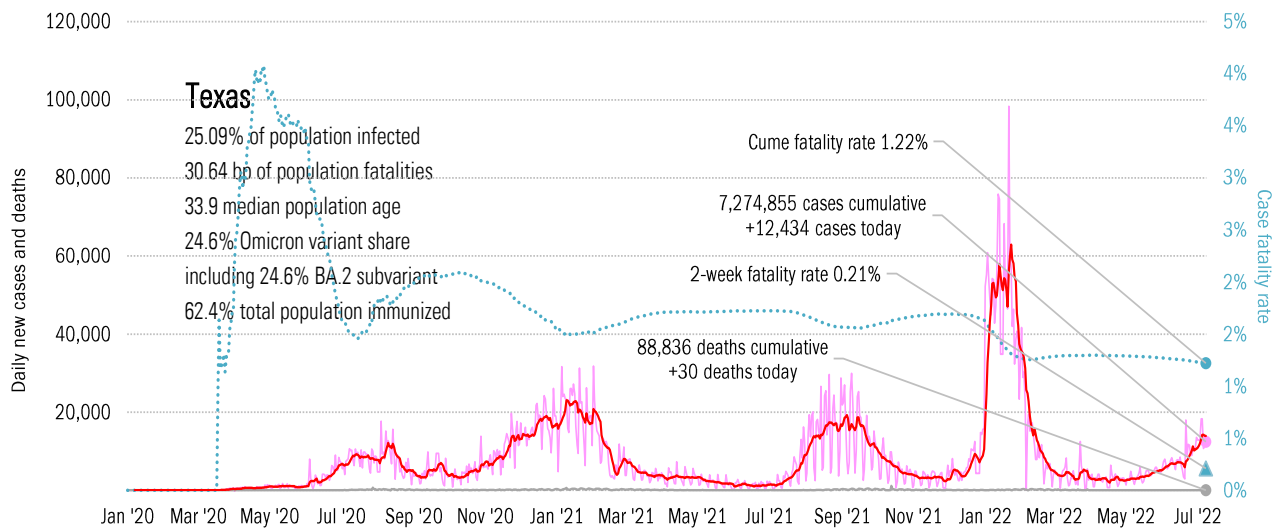
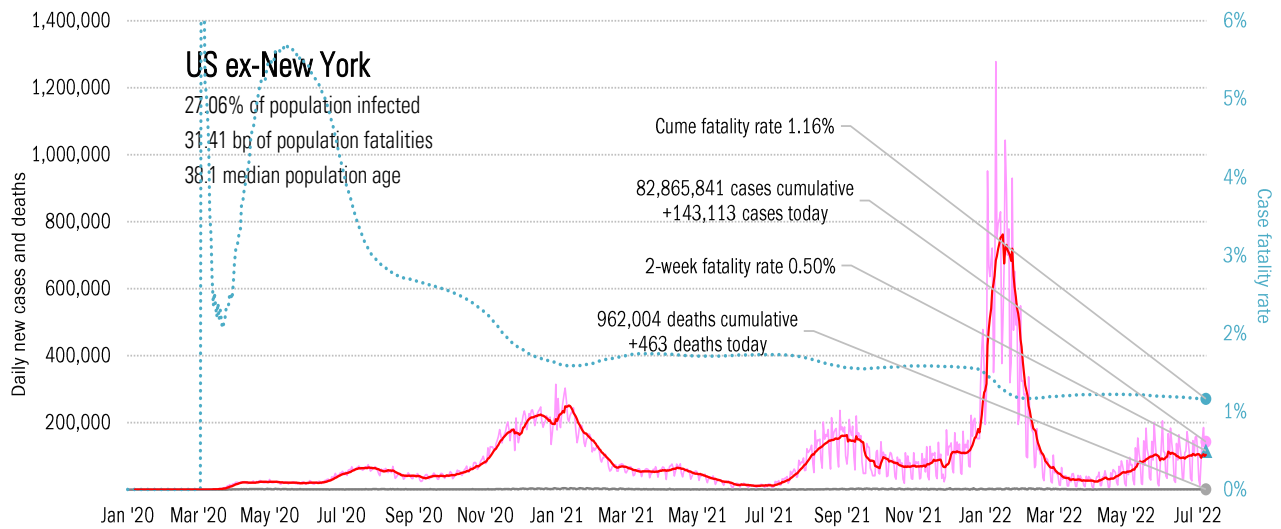
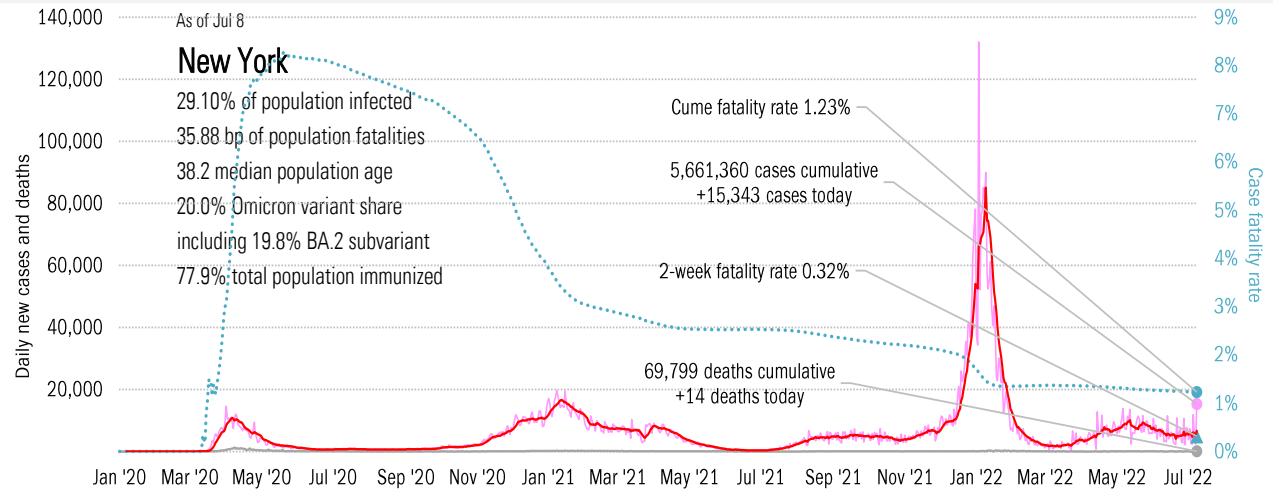
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

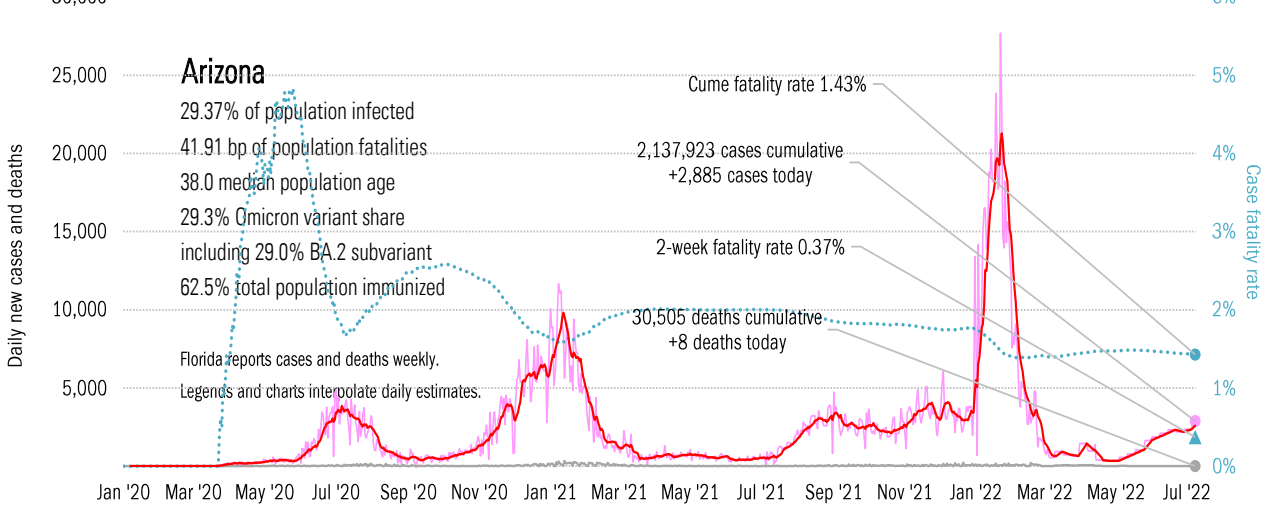
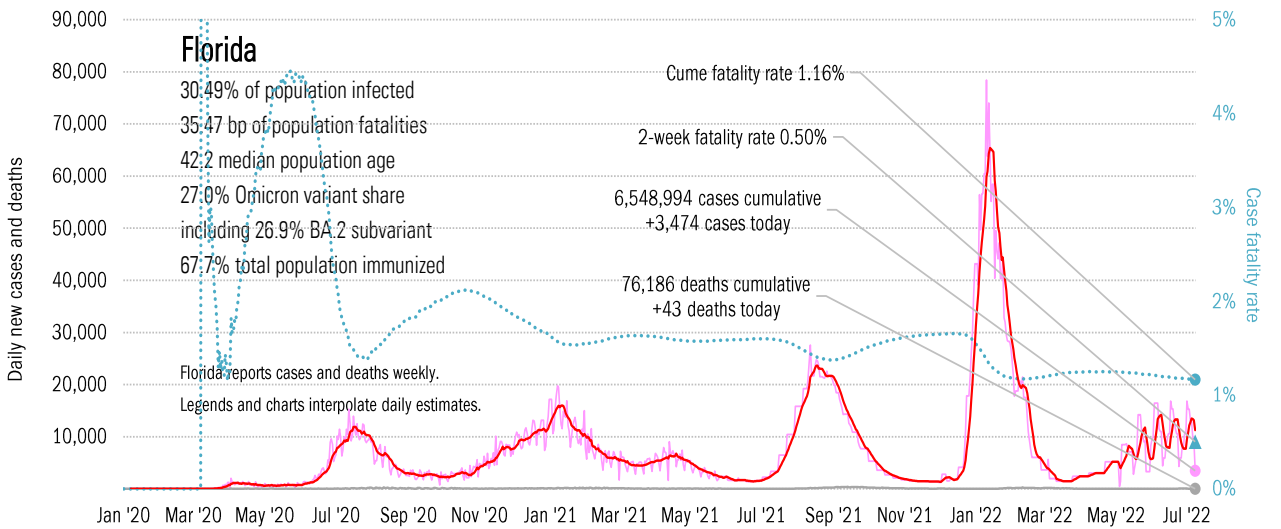
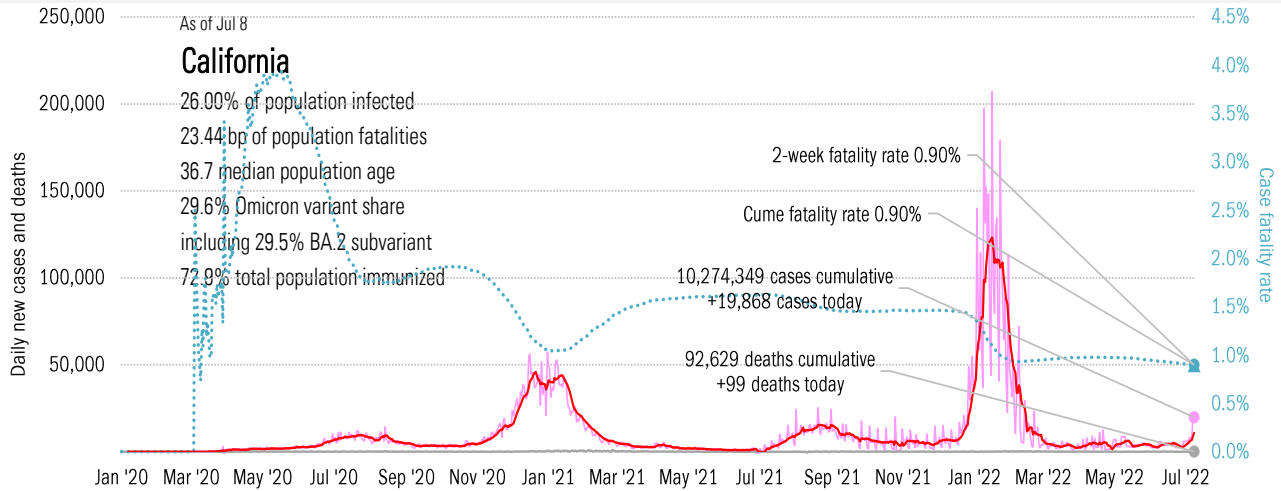
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

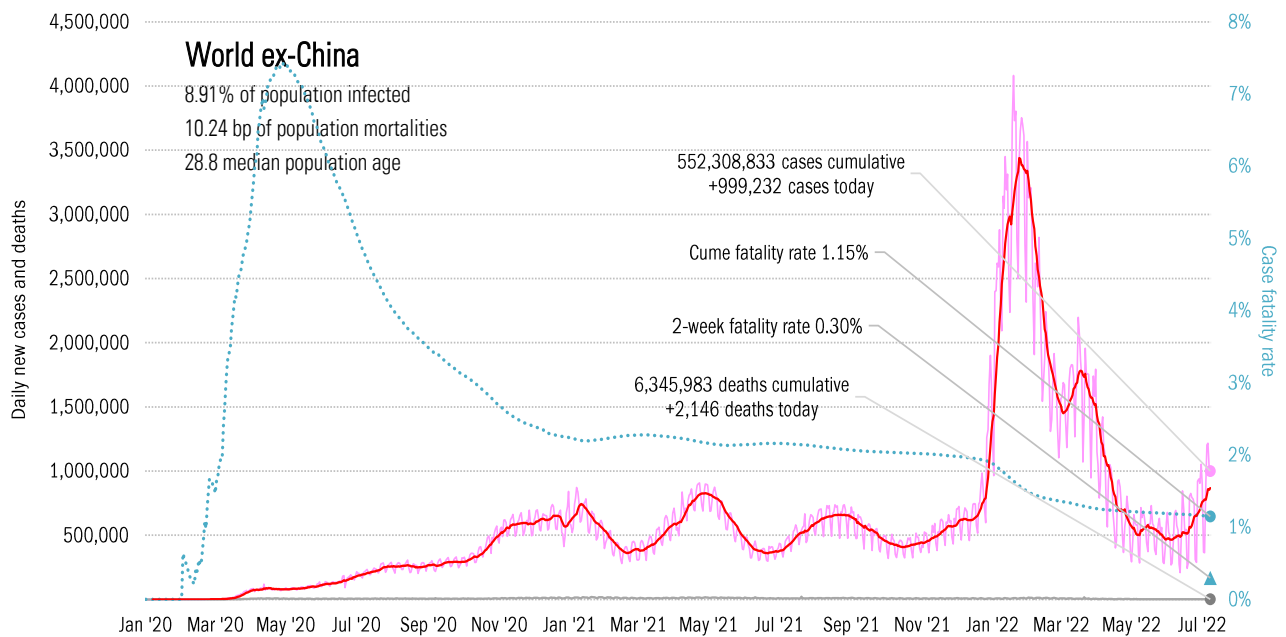
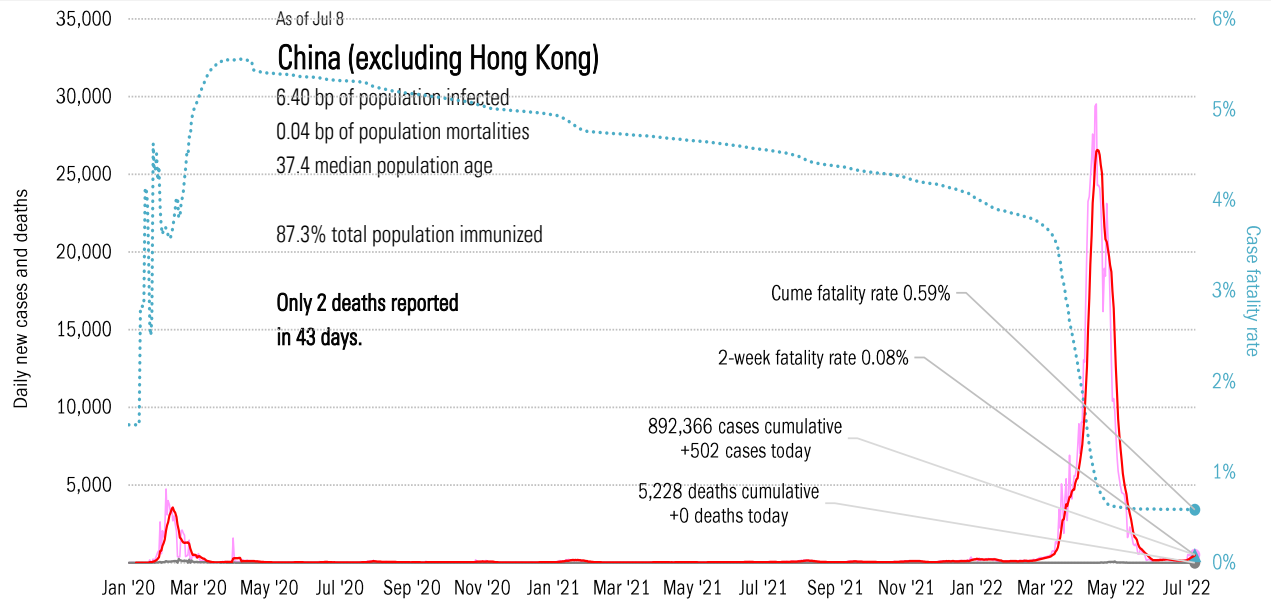
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

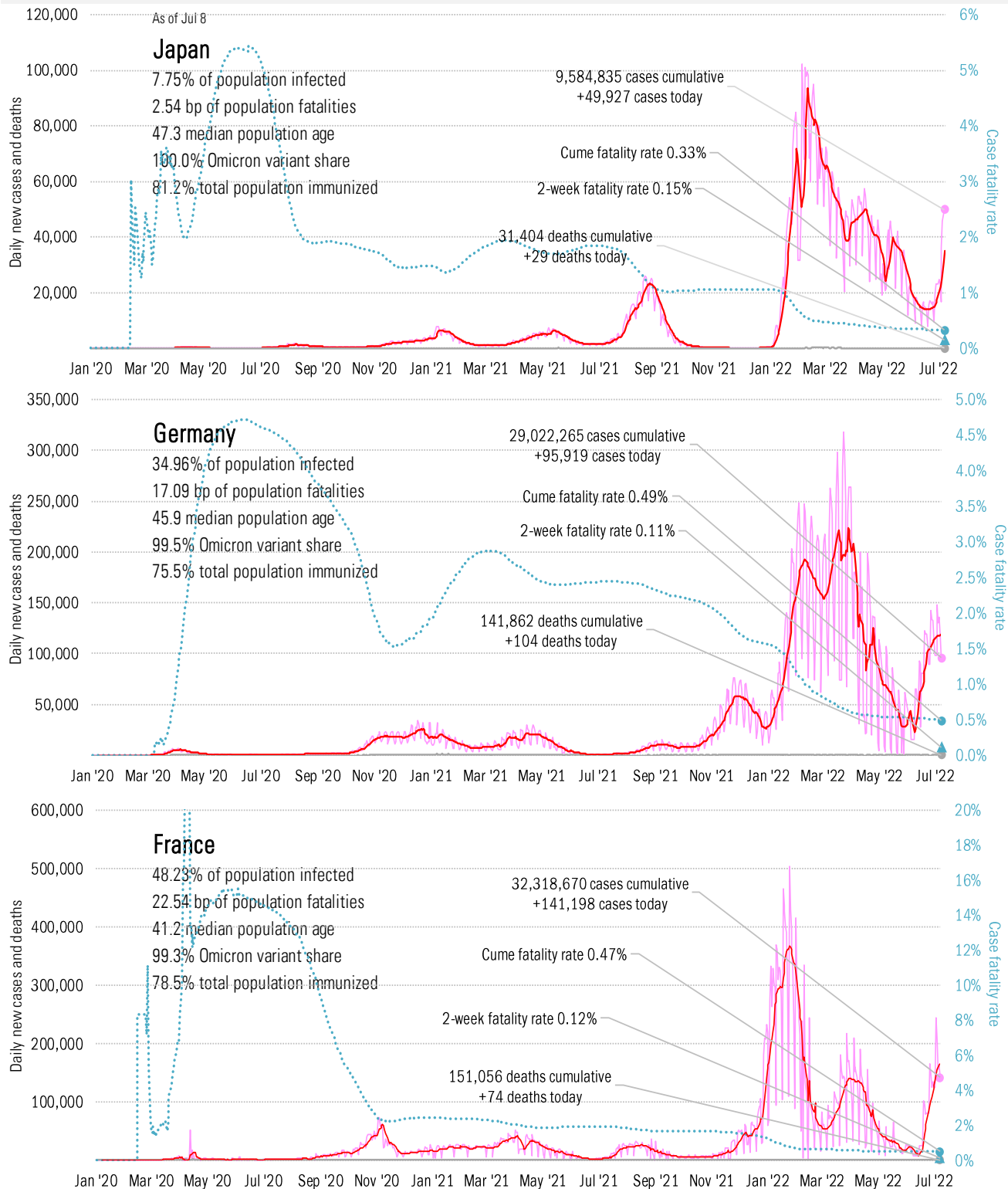
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

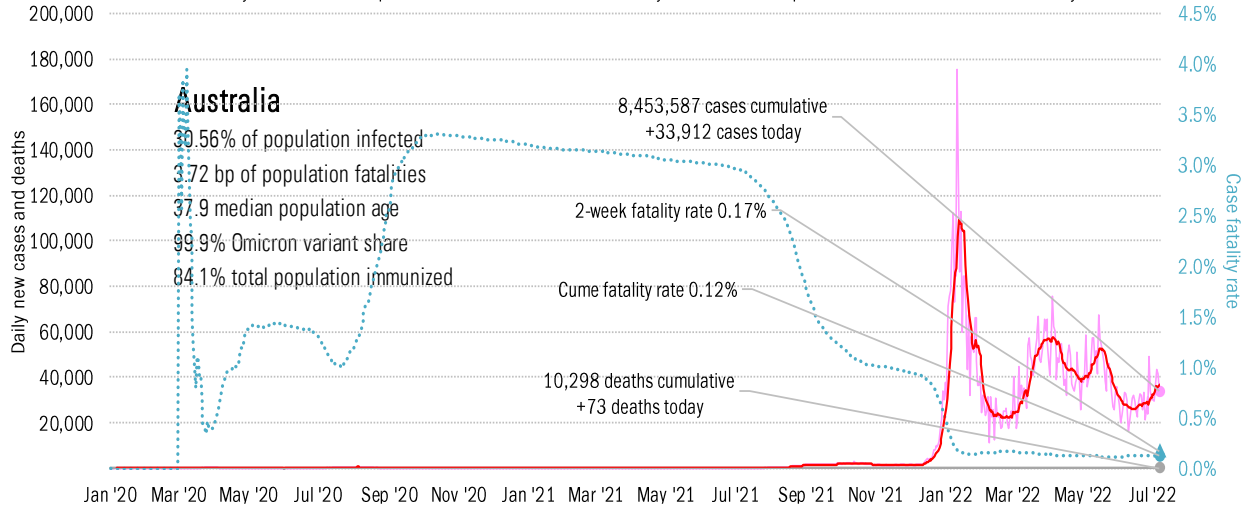
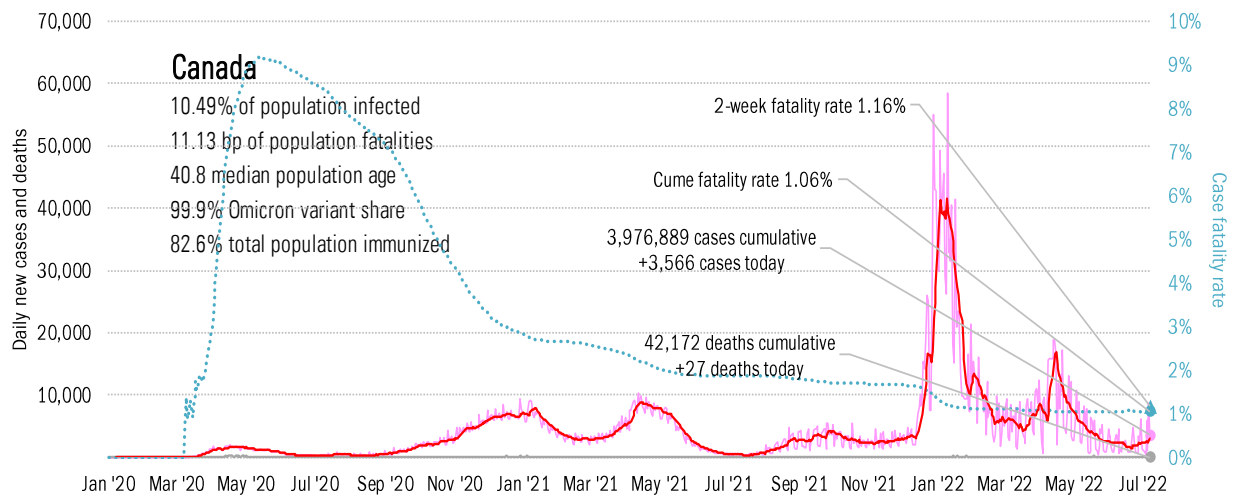
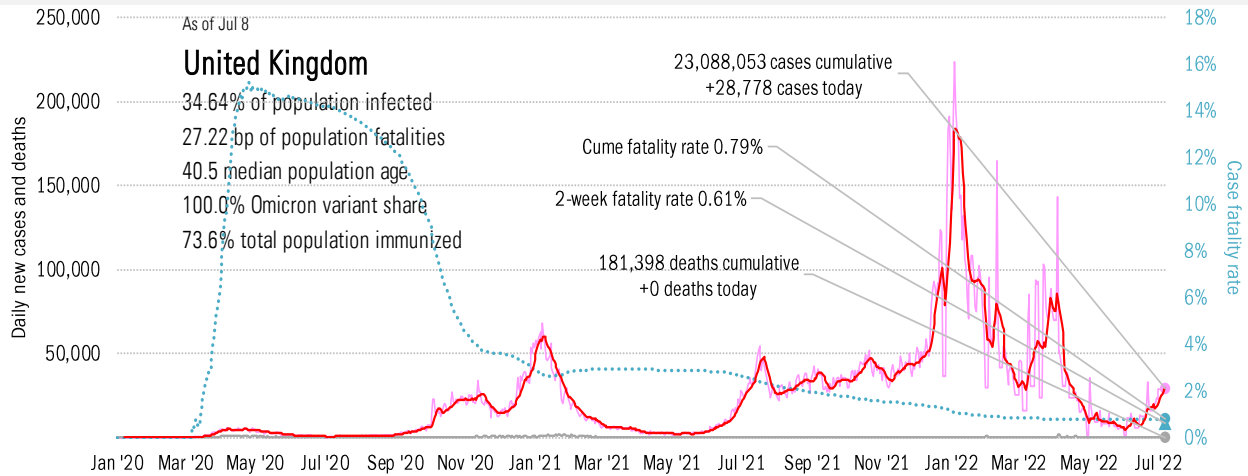
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

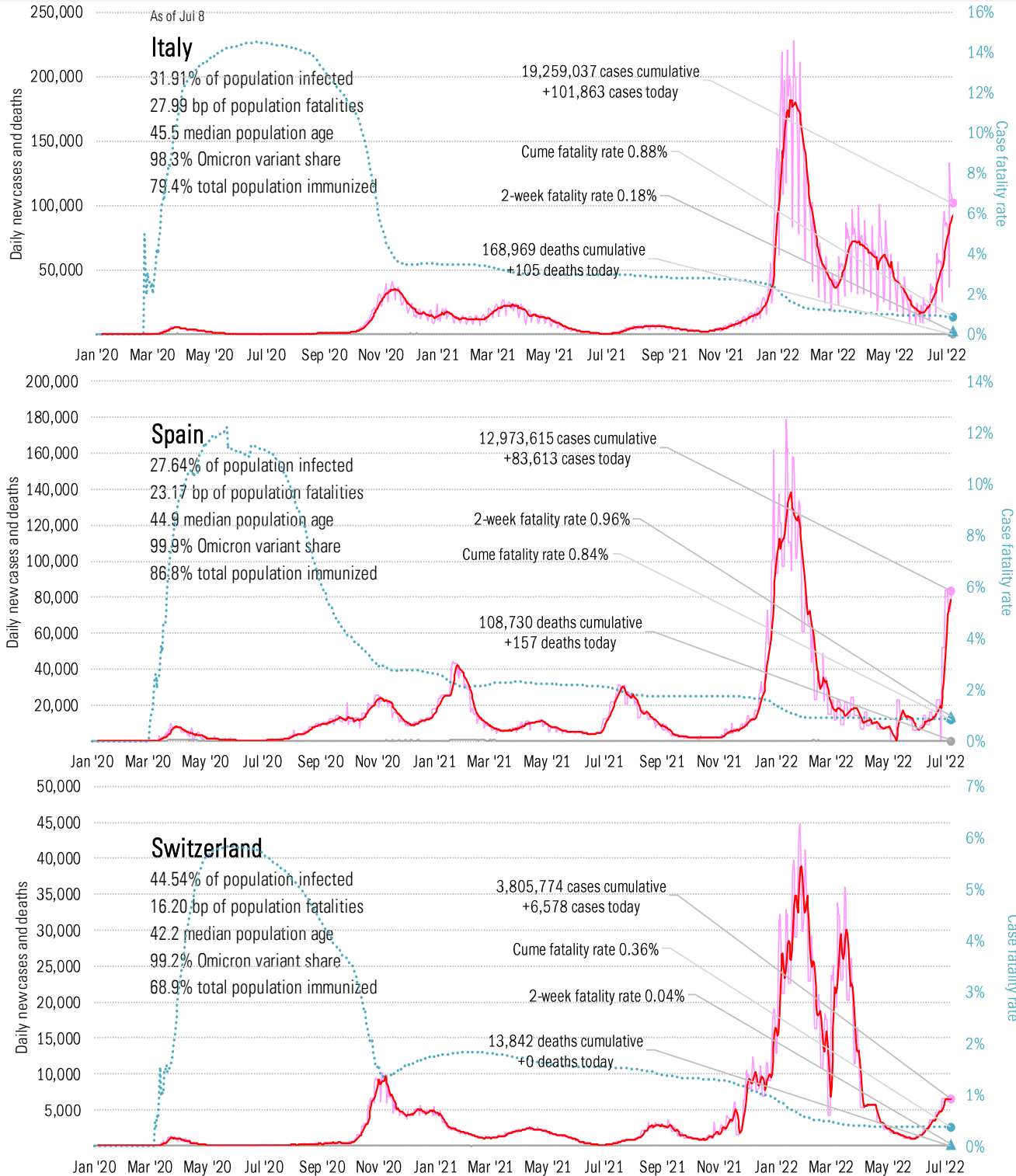
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

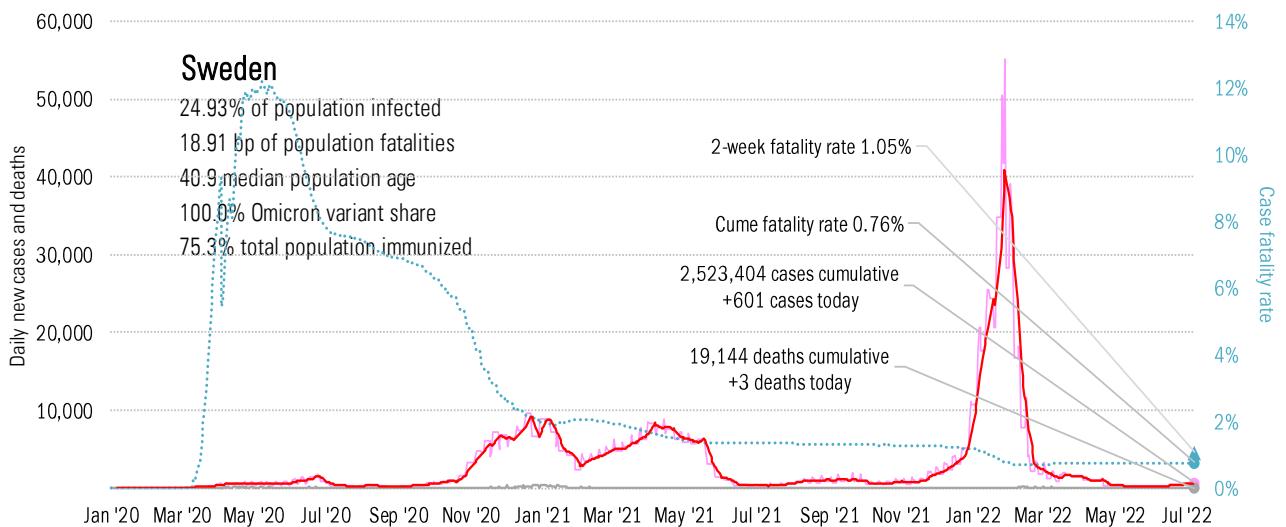
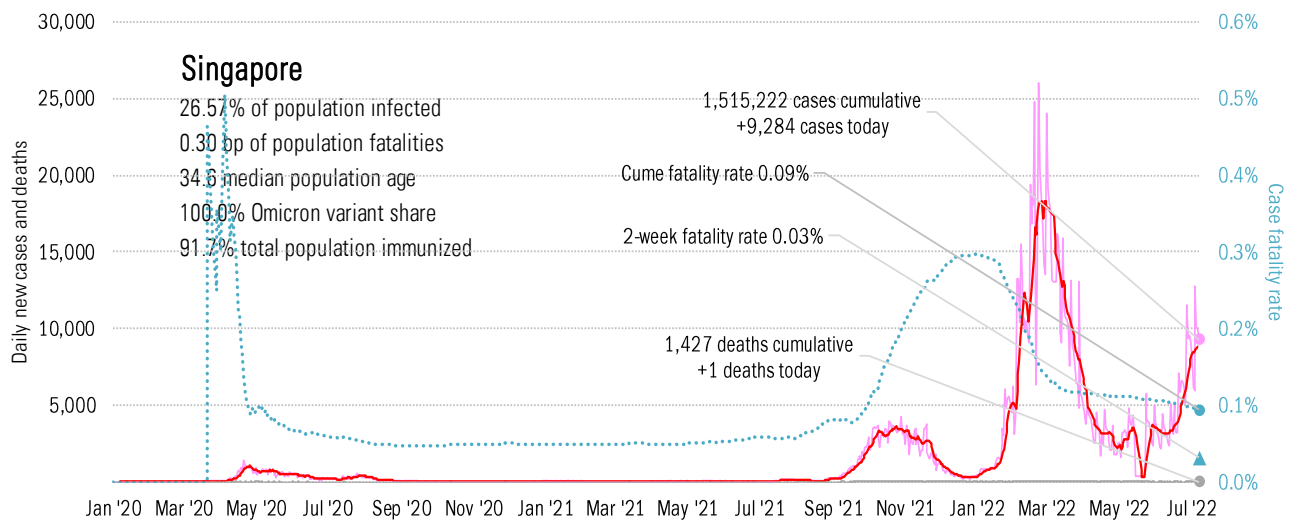
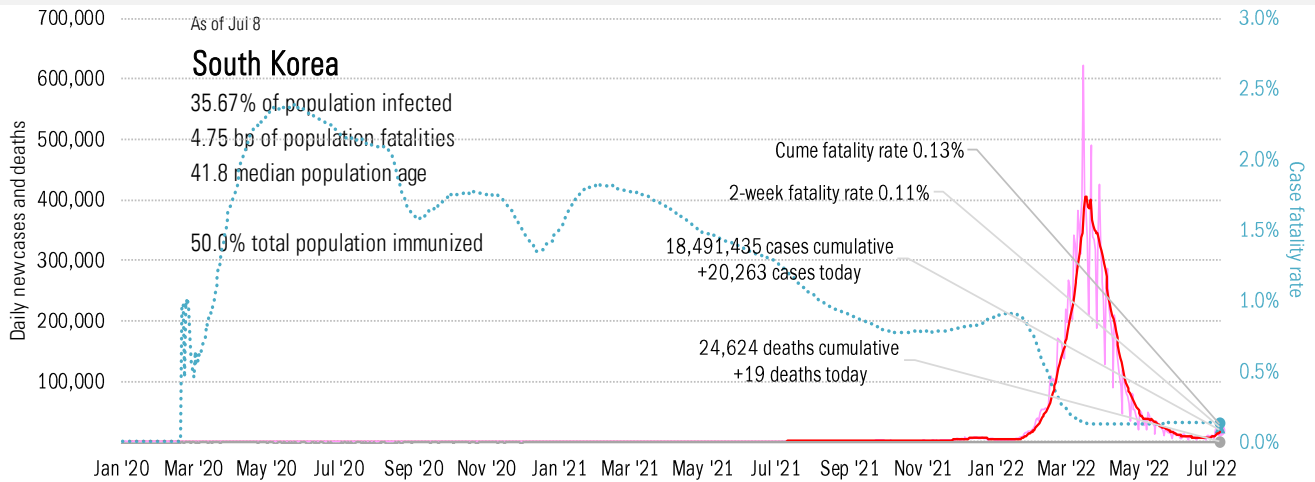
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

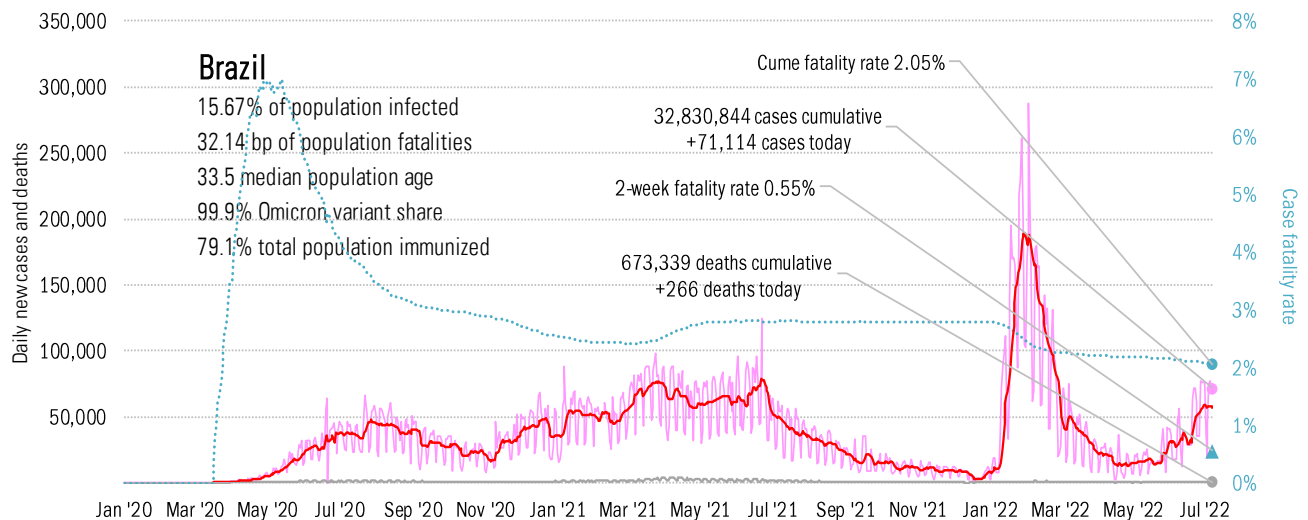
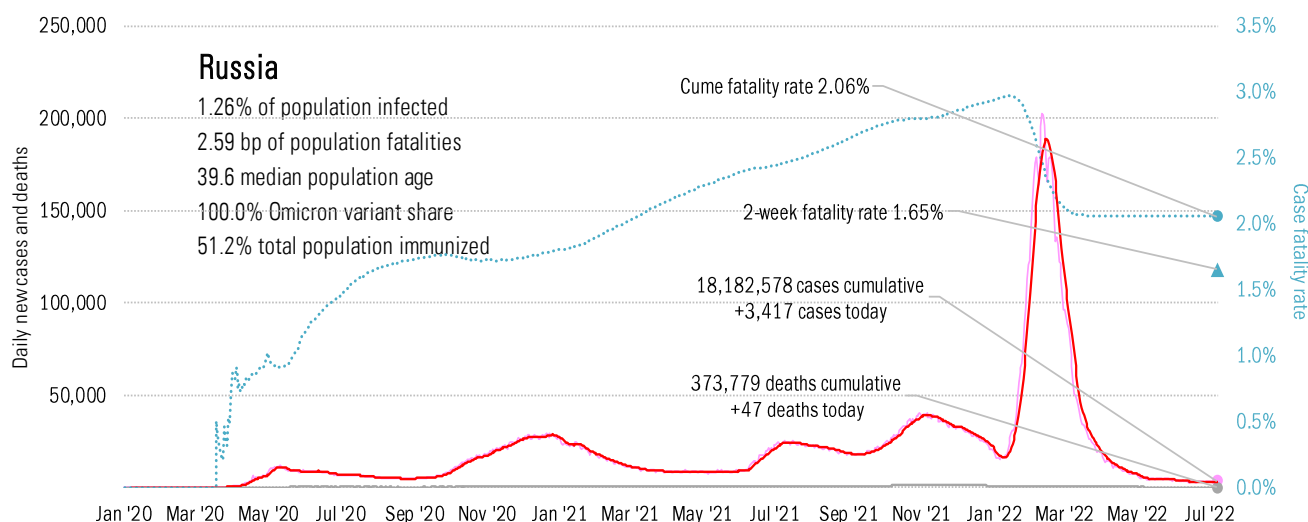
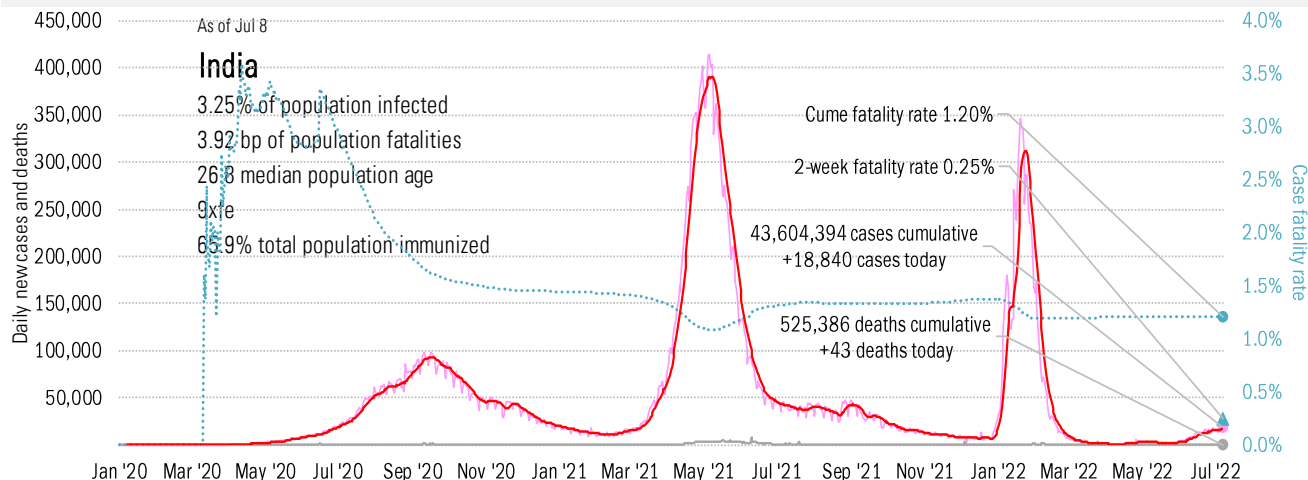
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

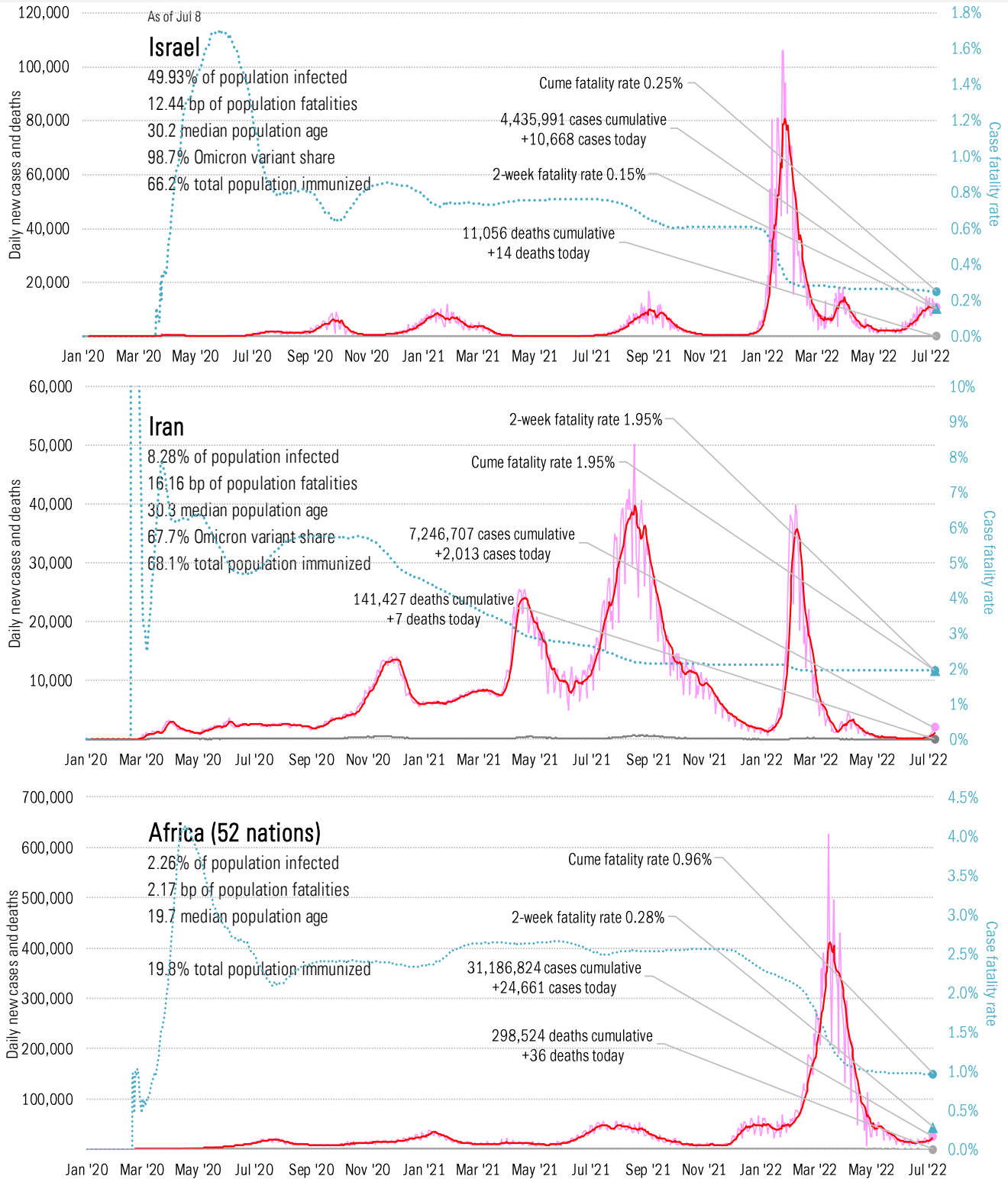
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

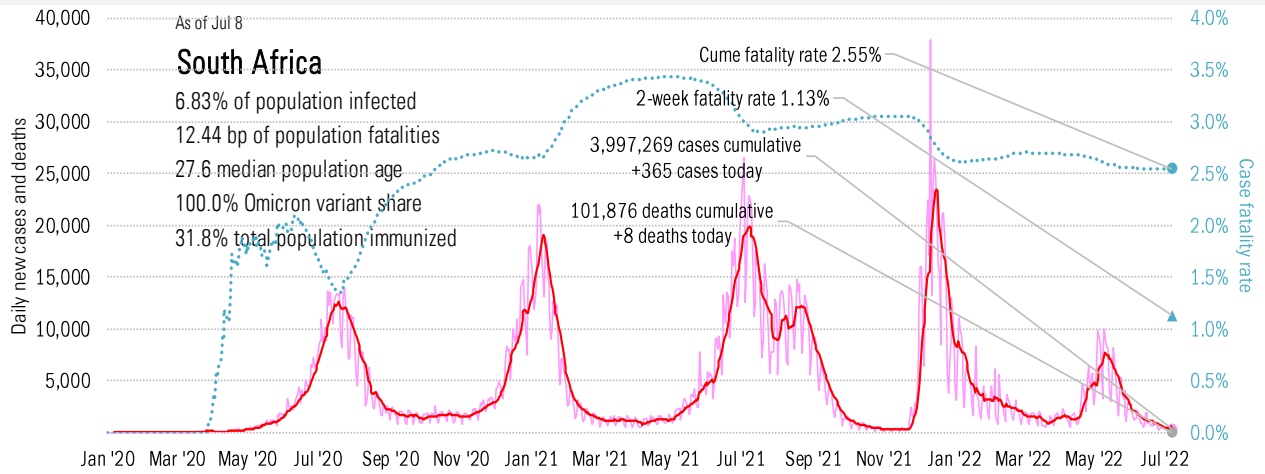
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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