

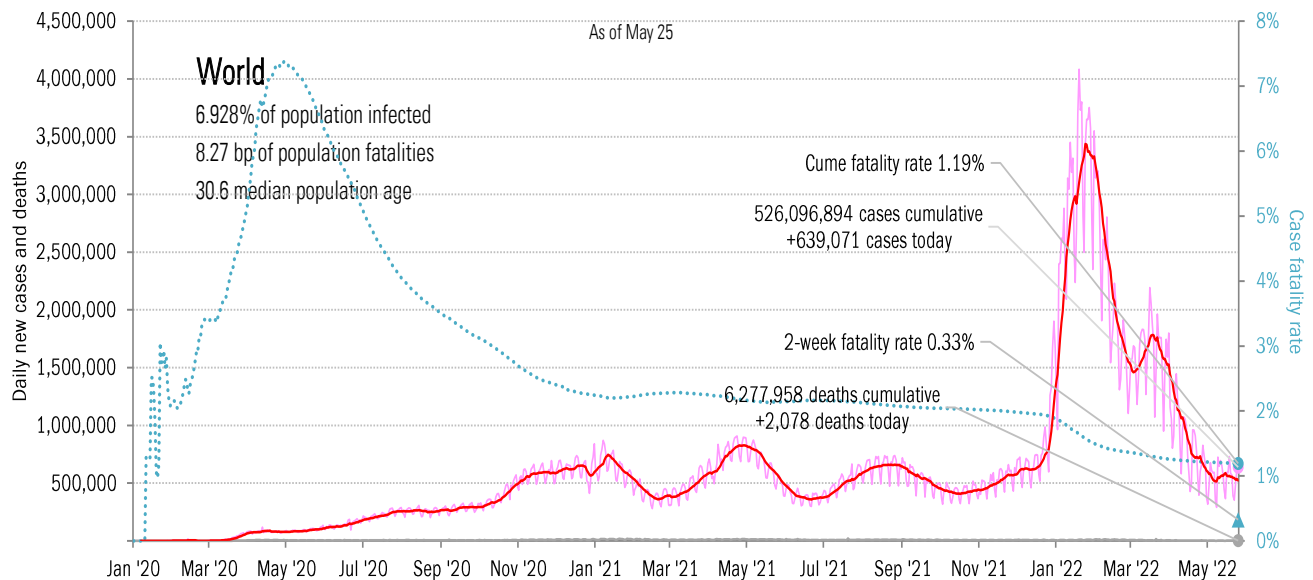
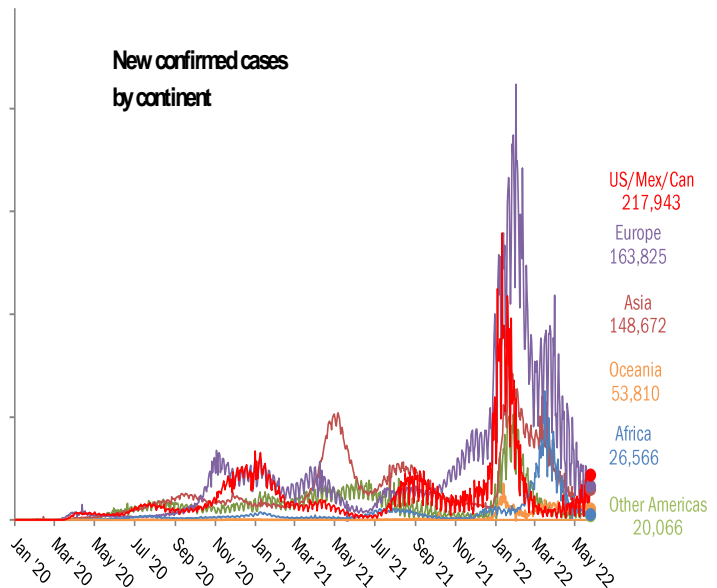
Data Insights: Covid-2019 Monitor

Thursday, May 26, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

| The worst ten countries | | | |
|-------------------------|---------|----------------|-------|
| New cases | | New Deaths | |
| United States | 213,394 | United States | 496 |
| Taiwan* | 89,361 | Italy | 137 |
| Australia | 46,028 | Germany | 136 |
| Germany | 39,705 | Brazil | 132 |
| Portugal | 35,500 | Australia | 117 |
| Japan | 35,100 | Canada | 93 |
| Italy | 24,145 | United Kingdom | 93 |
| France | 22,142 | Russia | 90 |
| Korea, South | 18,797 | Taiwan* | 76 |
| Brazil | 14,376 | Hungary | 61 |
| 538,548 | | 1,431 | |
| World | 639,071 | World | 2,078 |
| Top ten | 84% | 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

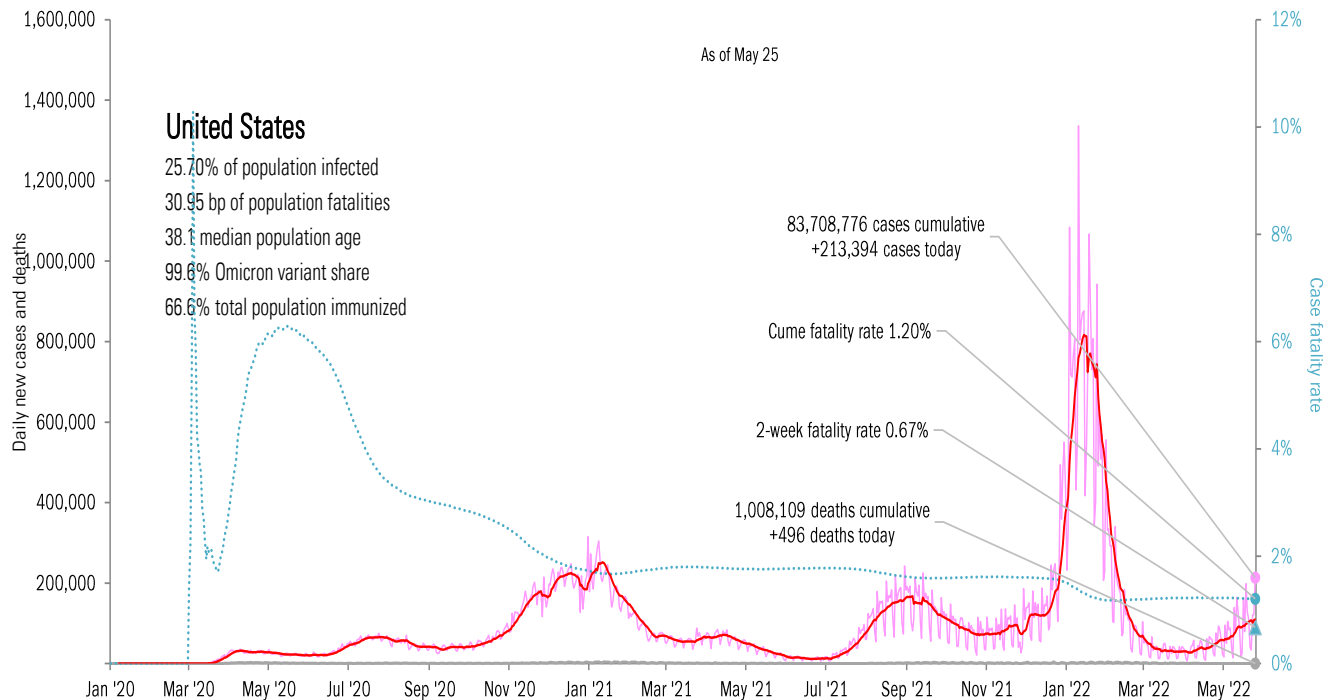
| New cases | | | New deaths | | New in hospital | | Curre cases | | | Curre deaths | | | Curre in hospital | | | Hospital use | | ICU use | |
|------------|---------|--|------------|-----|-----------------|-----|-------------|------------|-----------|--------------|----|-----------|-------------------|-----|------------|--------------|-----|---------|--|
| NC | 29,137 | | PA | 249 | CA | 340 | CA | 9,510,881 | CA | 91,176 | TX | 493,306 | RI | 91% | DE | 86% | | | |
| PA | 27,299 | | | | TX | 168 | TX | 6,915,578 | TX | 88,332 | CA | 432,918 | MA | 85% | NM | 85% | | | |
| MI | 25,968 | | | | WA | 134 | FL | 6,101,028 | FL | 74,526 | FL | 423,636 | WA | 84% | AK | 84% | | | |
| GA | 14,331 | | | | CT | 81 | NY | 5,395,097 | NY | 68,901 | NY | 260,732 | NH | 84% | AL | 82% | | | |
| FL | 9,020 | | | | FL | 372 | IL | 3,274,360 | PA | 45,147 | GA | 208,989 | MD | 83% | RI | 82% | | | |
| TN | 9,004 | | | | NJ | 144 | PA | 2,907,324 | CH | 38,590 | CH | 194,681 | DE | 83% | NH | 81% | | | |
| H | 8,924 | | | | CH | 139 | NC | 2,744,935 | GA | 38,198 | PA | 180,978 | MN | 83% | MA | 81% | | | |
| NY | 8,184 | | | | VA | 93 | CH | 2,743,577 | MI | 36,357 | IL | 162,072 | PA | 82% | WA | 80% | | | |
| FR | 6,748 | | | | LA | 55 | GA | 2,556,044 | IL | 36,229 | MI | 145,822 | DC | 81% | TX | 80% | | | |
| IL | 6,406 | | | | ND | 17 | MI | 2,527,831 | NJ | 33,651 | KY | 133,938 | MI | 81% | CR | 79% | | | |
| 145,021 | | | 870 | | 1,543 | | 44,676,655 | | | 551,107 | | | 2,637,072 | | | | | | |
| All states | 213,394 | | 496 | | 3,694 | | All states | 83,708,776 | 1,008,109 | | | 4,788,934 | | | All states | 70% | 67% | | |
| Top ten | 68% | | 175% | | 42% | | Top ten | 53% | 55% | | | 55% | | | Median | 75% | 72% | | |

US state fatality data distorted today due to revisions.

Some states not reporting

Five most improved US states

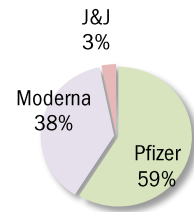
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | | Most pop immunity growth | |
|-------------------|---------|------------------|------|----------------------------|------|--------------------------|--------|
| CA | -39,789 | FL | -116 | MI | -106 | DE | +10 bp |
| SC | -8,034 | CA | -75 | NY | -82 | FL | +10 bp |
| WI | -4,379 | MA | -28 | FL | -60 | IA | +10 bp |
| MD | -3,951 | SC | -14 | MD | -35 | MA | +10 bp |
| AZ | -3,699 | CO | -13 | PA | -35 | NE | +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 | 600,854,895 | | +0.197 million | | US | 66.6% | 77.8% | |
| Boosters | 44,862,716 | | +0.014 million | | UK | 73.2% | 78.3% | |
| | One dose | % Pop | Immune | % pop | New immune today | France | 78.3% | 80.7% |
| Total population | 266,144,657 | 80% | 227,378,034 | 68% | +0.025 million | Spain | 86.6% | 88.2% |
| Age 12 to 17 | 17,777,785 | 70% | 15,227,731 | 60% | +0.002 million | Germany | 76.9% | 76.9% |
| Age 18 to 64 | 178,831,537 | 88% | 152,129,992 | 75% | +0.013 million | Italy | 79.4% | 84.1% |
| Age 65 and over | 59,089,471 | 100% | 51,578,021 | 94% | +0.007 million | Australia | 83.8% | 86.5% |
| | | | | | | Israel | 66.1% | 72.2% |
| | | | | | | Canada | 82.4% | 86.6% |
| | | | | | | Japan | 80.9% | 82.1% |
| | | | | | | Africa | 17.3% | 22.6% |
| | | | | | | India | 63.4% | 72.5% |
| | | | | | | Brazil | 77.4% | 85.6% |
| | | | | | | China | 86.9% | 89.3% |



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

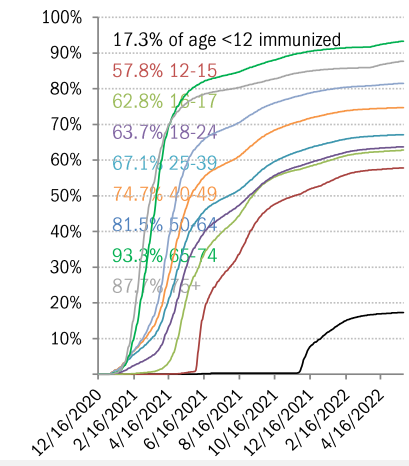
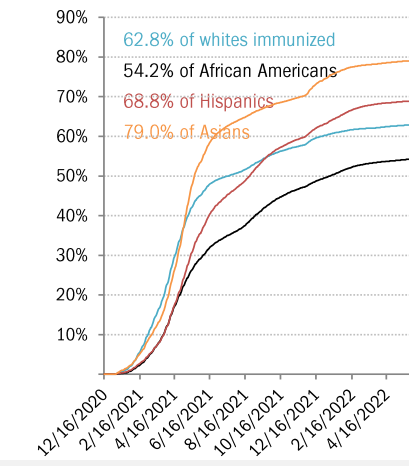
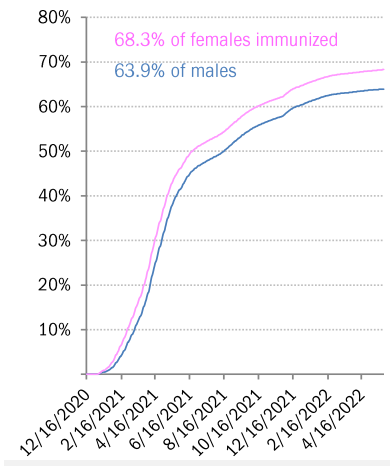
| |
|-------|
| AK |
| 70.0% |
| 62.6% |

Global data differs due to sources, timing

As of May 25

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | WI | | | | | | ME |
| | | | | | 72.1% | | | | | | 91.1% |
| | | | | | 65.8% | | | | | | 80.0% |
| WA | ID | MT | ND | MN | IL | MI | | NY | VT | | NH |
| 81.1% | 61.9% | 65.5% | 65.8% | 75.3% | 76.4% | 67.2% | | 90.5% | 94.0% | | 88.8% |
| 72.9% | 55.6% | 57.0% | 55.8% | 69.4% | 69.0% | 60.4% | | 77.3% | 81.5% | | 71.0% |
| OR | NV | WY | SD | IA | IN | OH | PA | NJ | MA | | |
| 78.2% | 75.6% | 58.2% | 77.0% | 68.1% | 61.7% | 63.8% | 85.4% | 90.8% | 95.0% | | |
| 69.9% | 61.1% | 51.1% | 62.0% | 62.2% | 55.0% | 58.9% | 69.0% | 76.0% | 79.5% | | |
| CA | UT | CO | NE | MO | KY | WV | VA | MD | CT | RI | |
| 82.5% | 72.3% | 79.7% | 70.5% | 66.4% | 66.4% | 65.2% | 86.1% | 86.9% | 95.0% | 95.0% | |
| 72.5% | 64.5% | 70.5% | 63.8% | 56.3% | 57.6% | 57.8% | 73.6% | 76.0% | 79.7% | 83.1% | |
| | AZ | NM | KS | AR | TN | NC | SC | DC | DE | | |
| | 73.5% | 88.3% | 74.8% | 67.0% | 62.4% | 84.9% | 68.0% | 95.0% | 83.6% | | |
| | 61.9% | 71.5% | 61.8% | 54.7% | 54.7% | 61.8% | 57.3% | 78.3% | 69.6% | | |
| | | | OK | LA | MS | AL | GA | | | | |
| | | | 71.4% | 61.2% | 59.8% | 62.9% | 65.7% | | | | |
| | | | 57.6% | 53.7% | 52.0% | 51.3% | 55.0% | | | | |
| | | | TX | | | | | | | | |
| | | | 73.7% | | | | | | | | |
| | | | 61.8% | | | | | | | | |
| | | | | | | | | FL | | | PR |
| | | | | | | | | 79.7% | | | 95.0% |
| | | | | | | | | 67.3% | | | 83.3% |

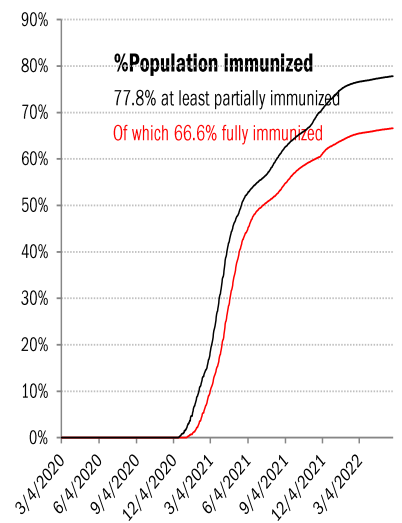
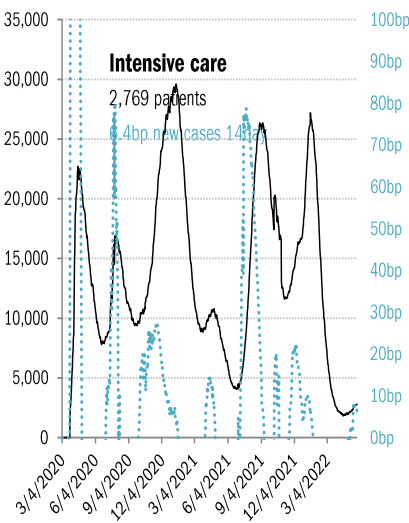
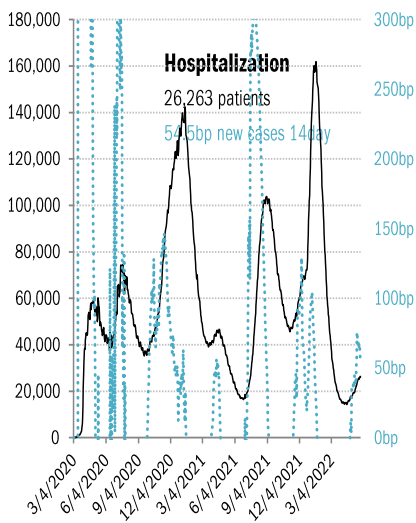
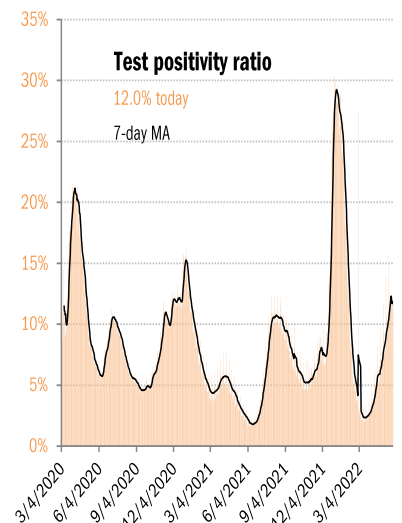
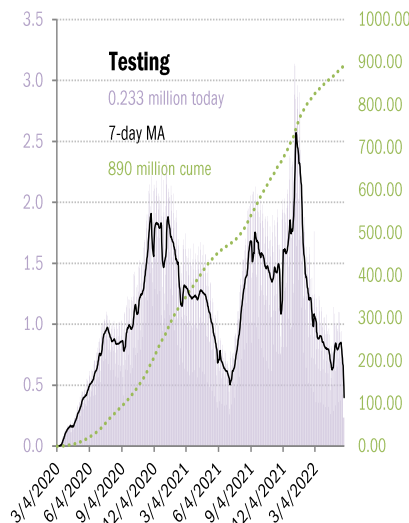
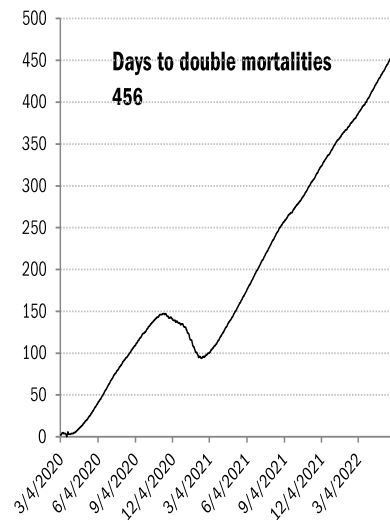
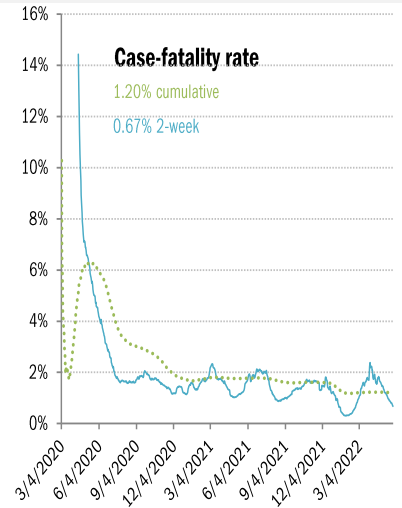
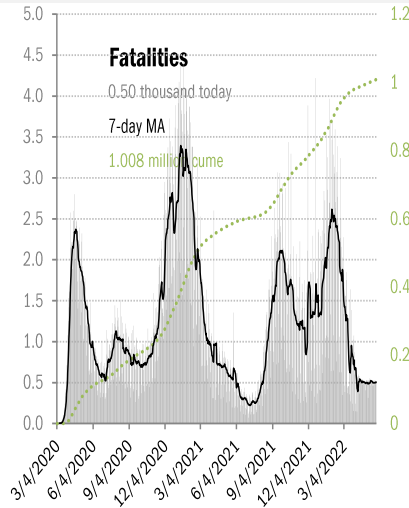
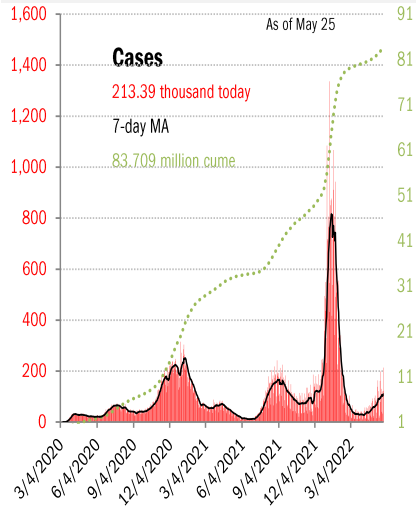
The demographics of US vaccination



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

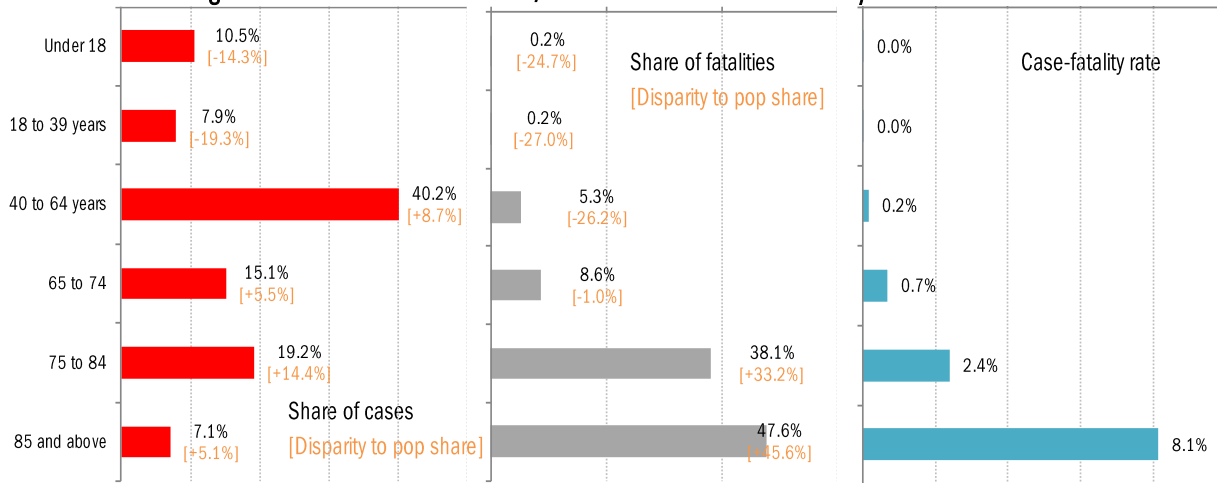
US deep-dive

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

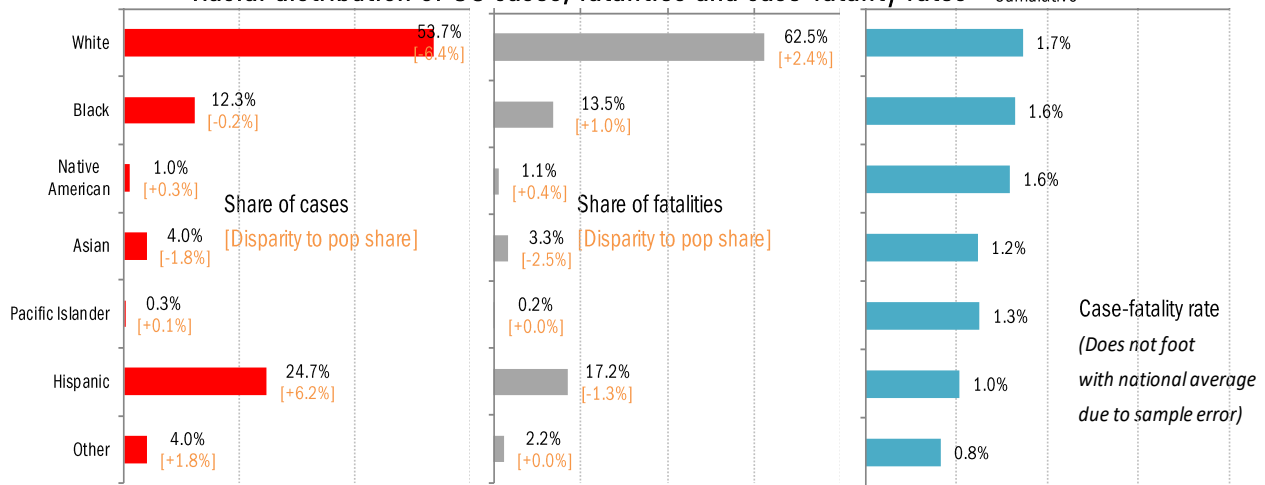


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

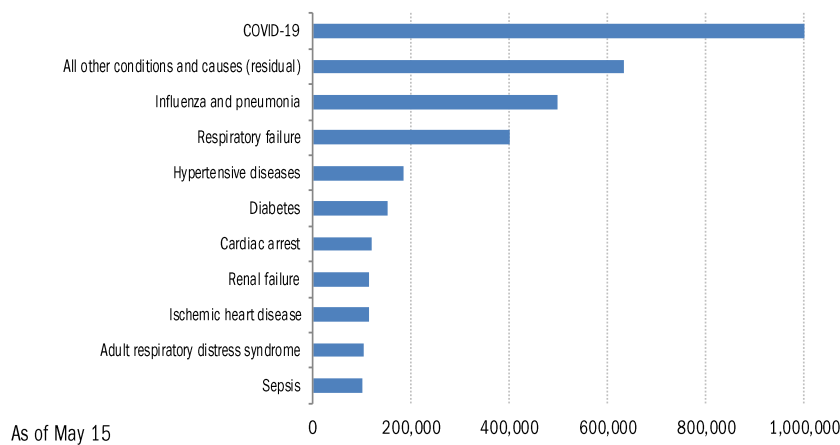


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Viruses that were on hiatus during Covid are back — and behaving in unexpected ways](#)

Helen Branswell
Stat News
May 25, 2022

[“They Don’t Want the Backlash”: Top Doctors Balk as Team Biden Tries to Turn the Page on COVID](#)

Katherine Eban
Vanity Fair
May 20, 2022

[Kids Are Far, Far Behind in School](#)

Thomas Kane
The Atlantic
May 22, 2022

[The long and short of “long covid”](#)

El Gato Malo
Bad Cattitude
May 25, 2022

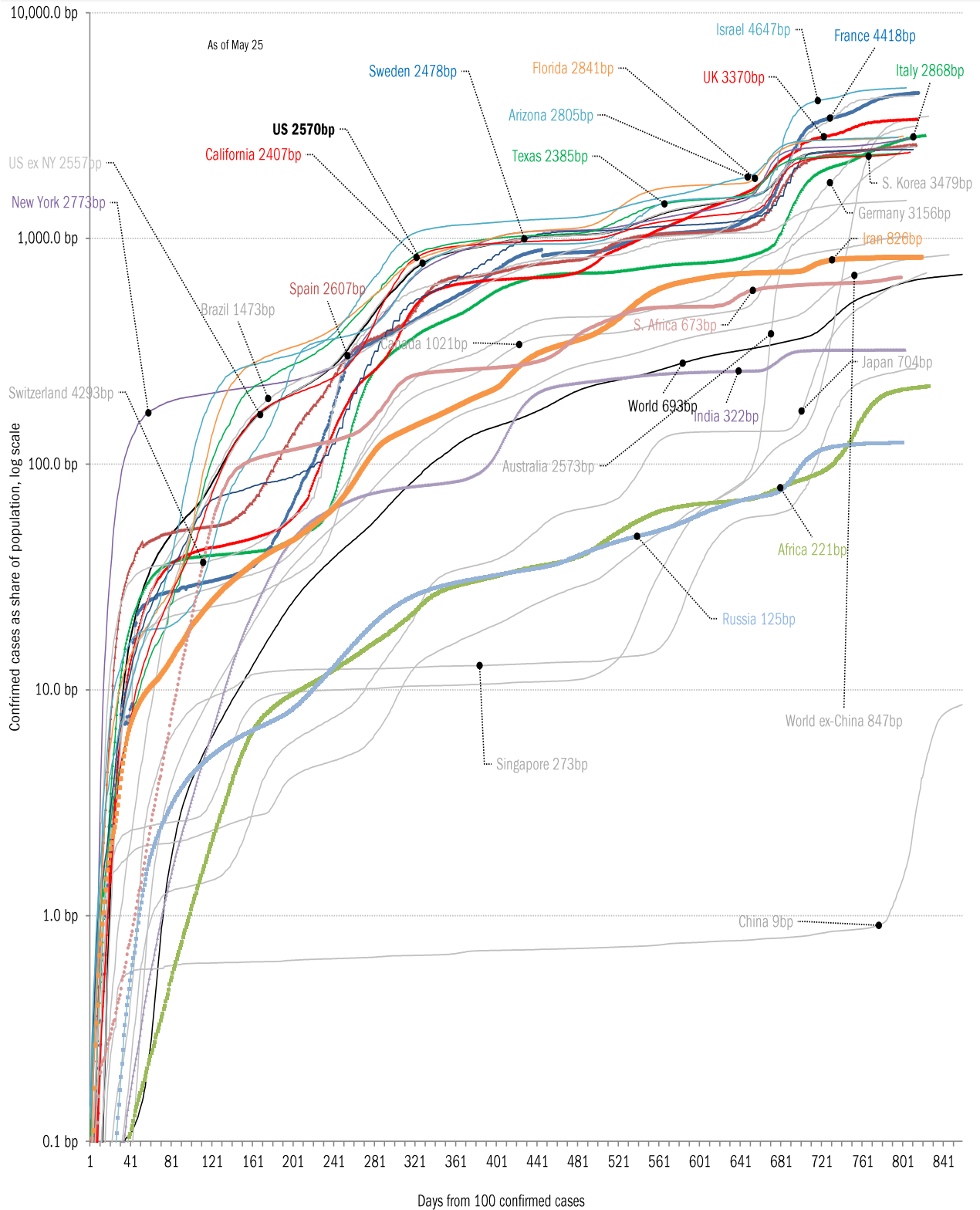
Meme of the day

My dearest Penelope,
It is day three of the Monkey Pox memes and I
fear there will be no end to them.



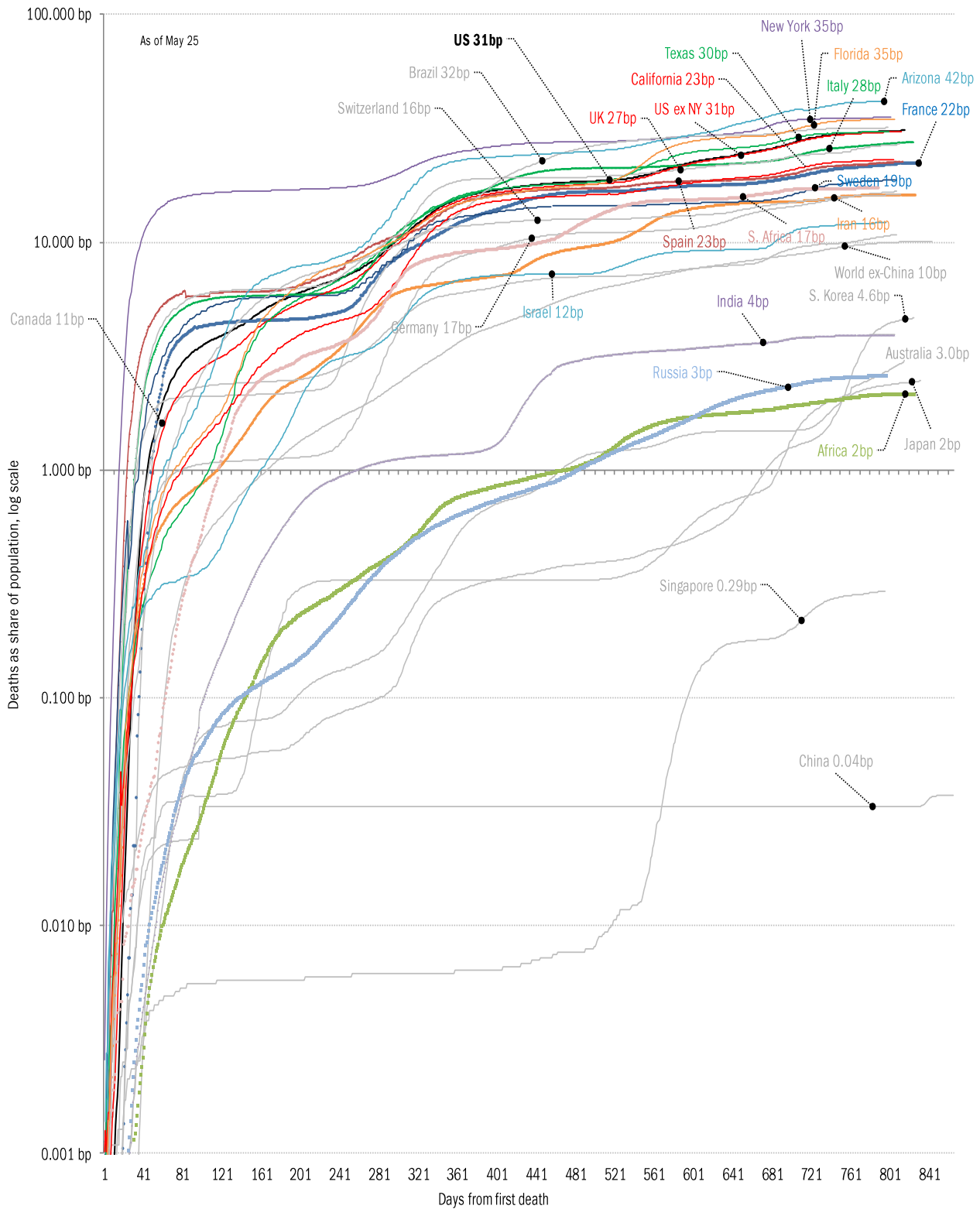
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

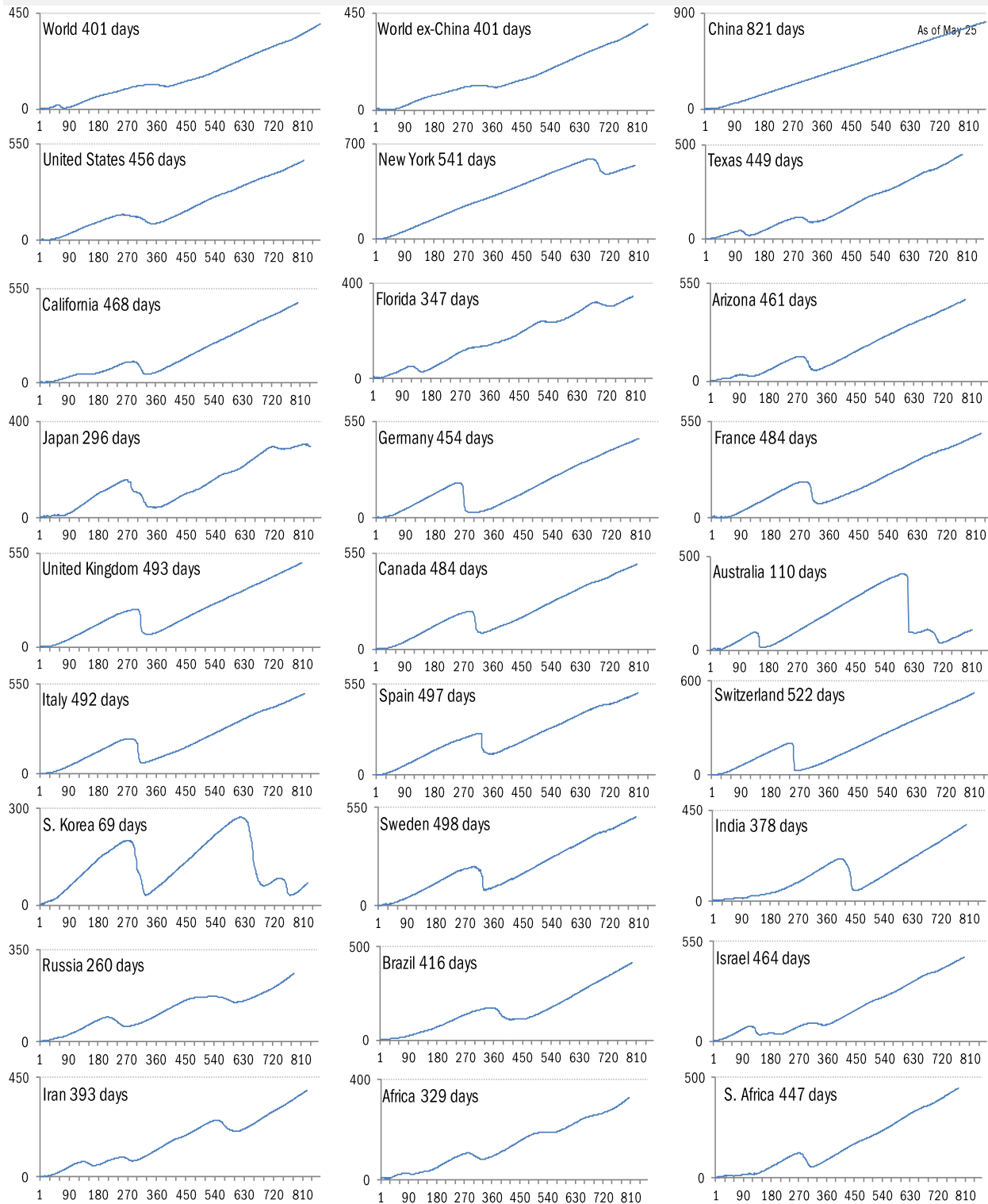


Source: [Johns Hopkins](#), TrendMacro calculations

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

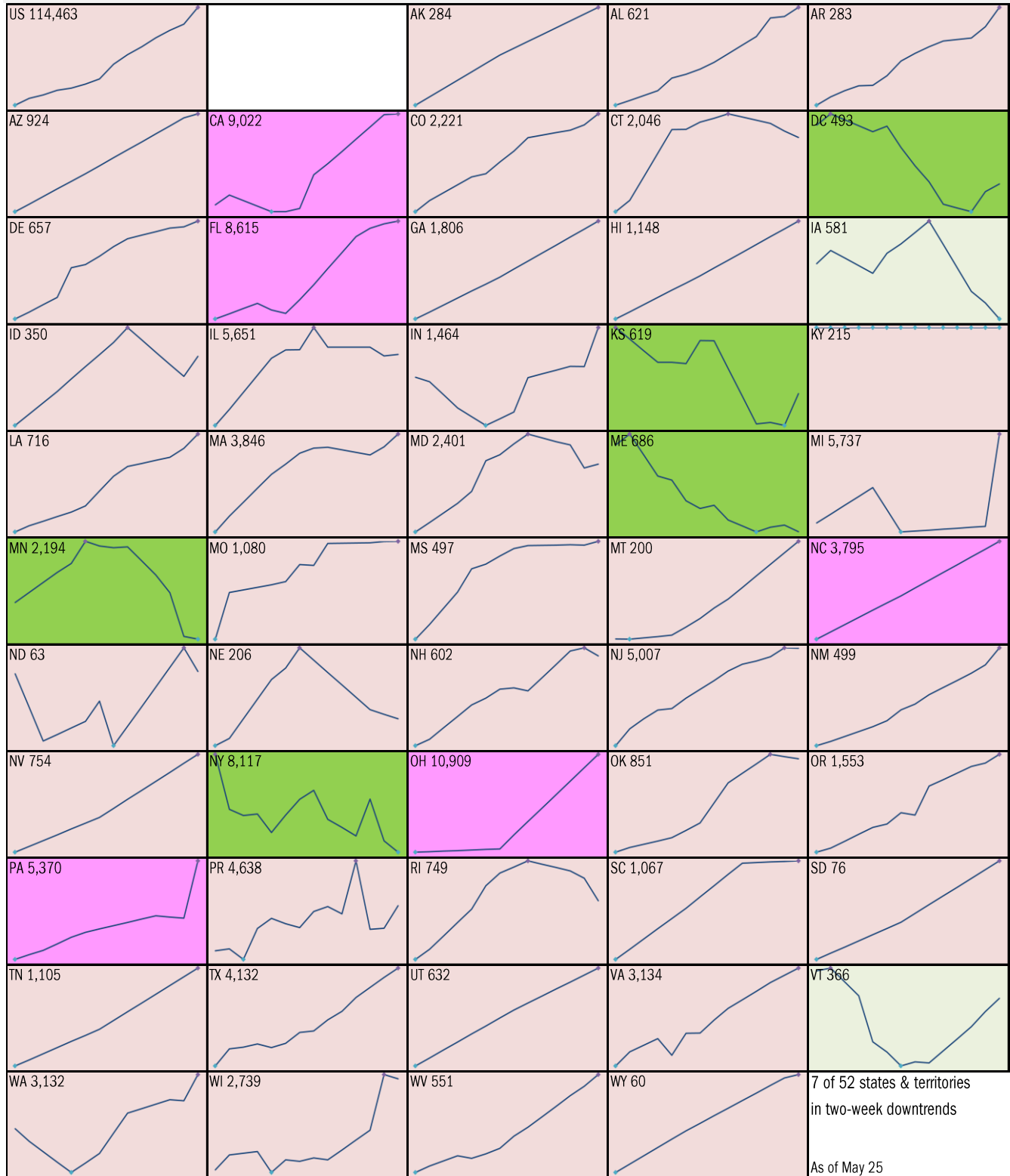


Source: [Johns Hopkins](#), TrendMacro calculations

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

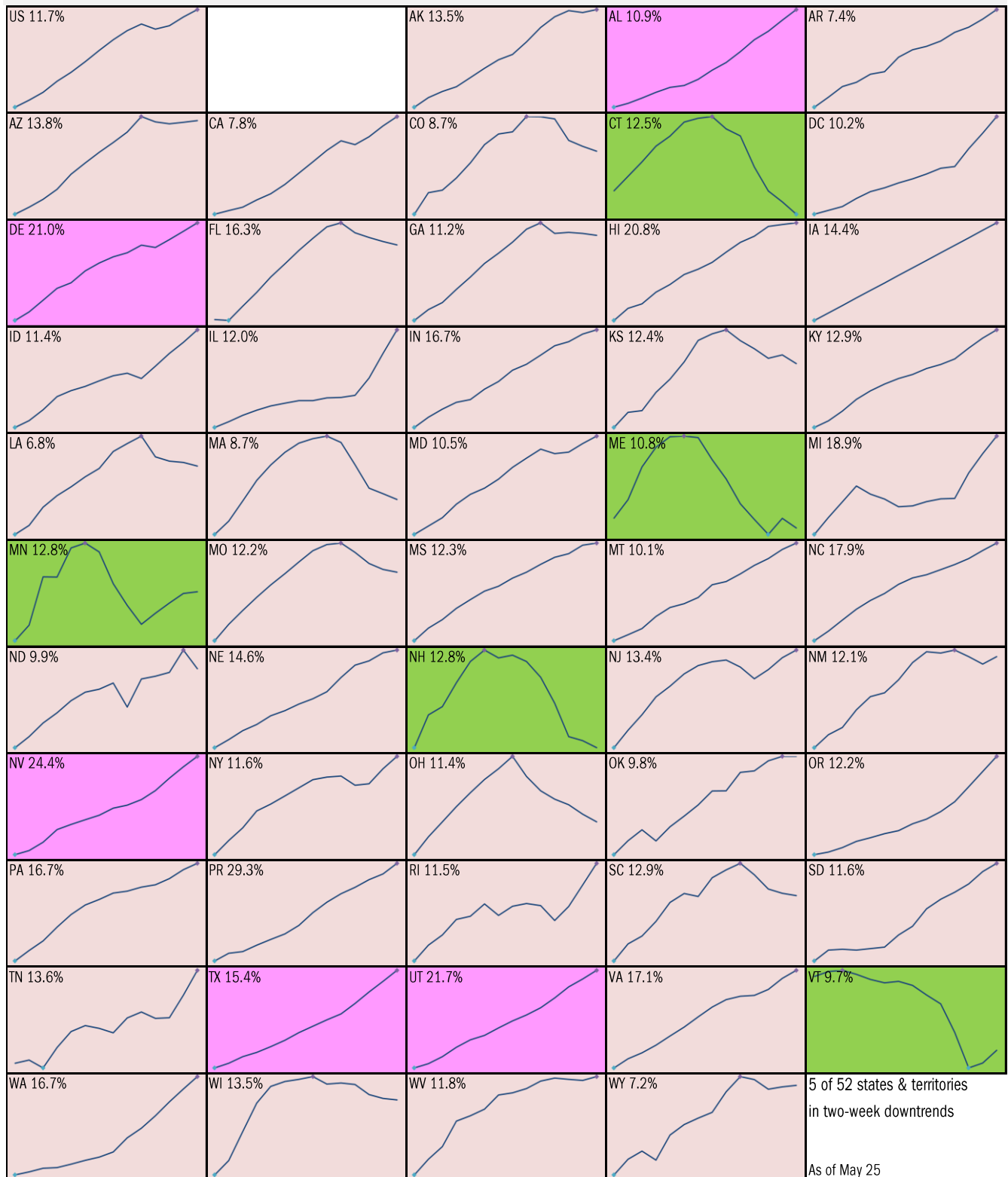


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

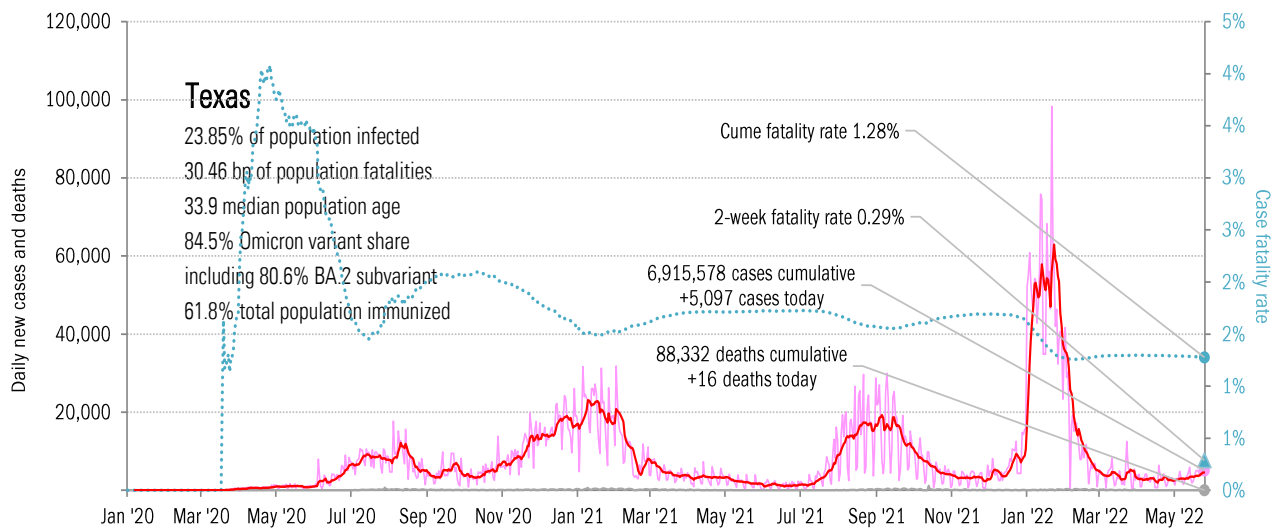
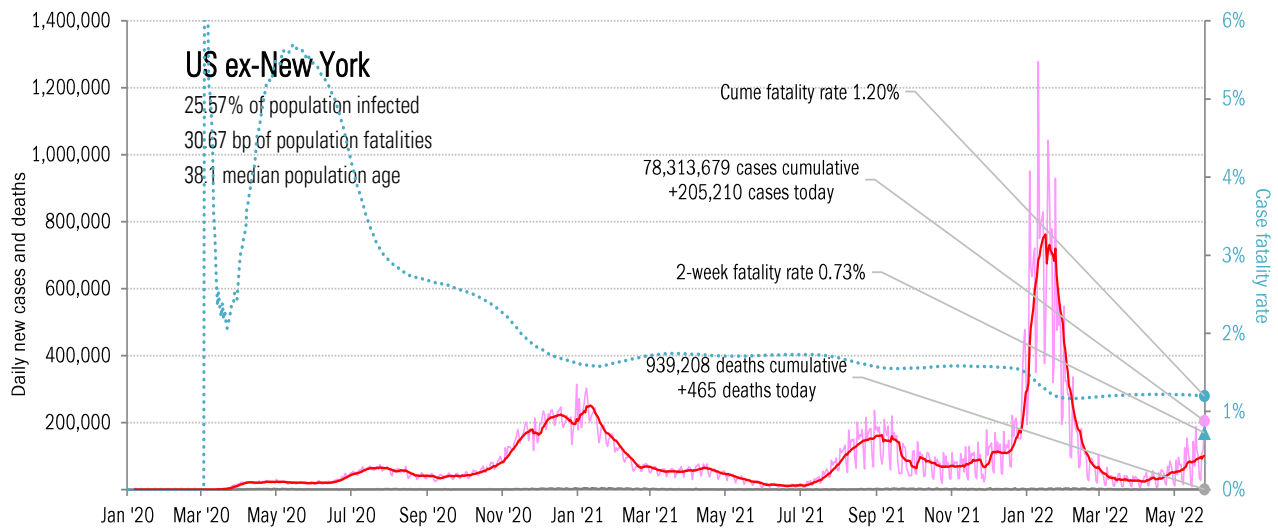
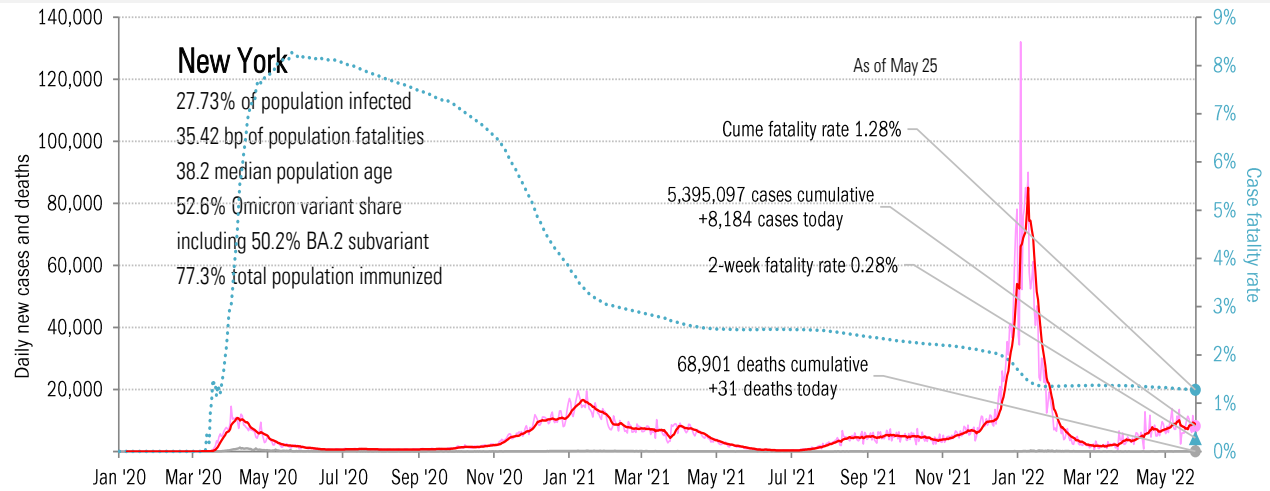
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

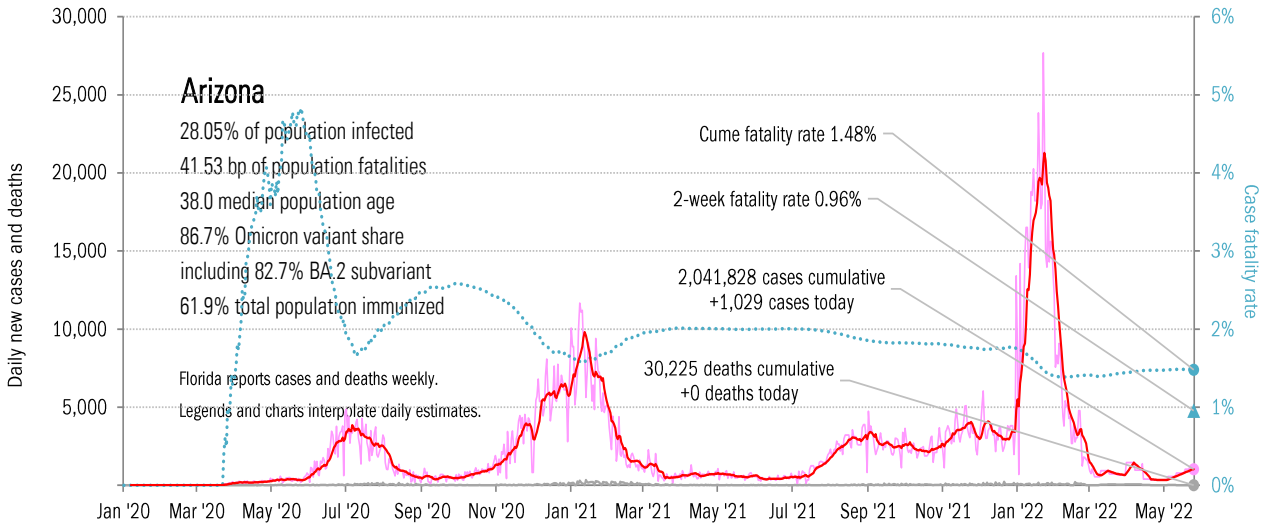
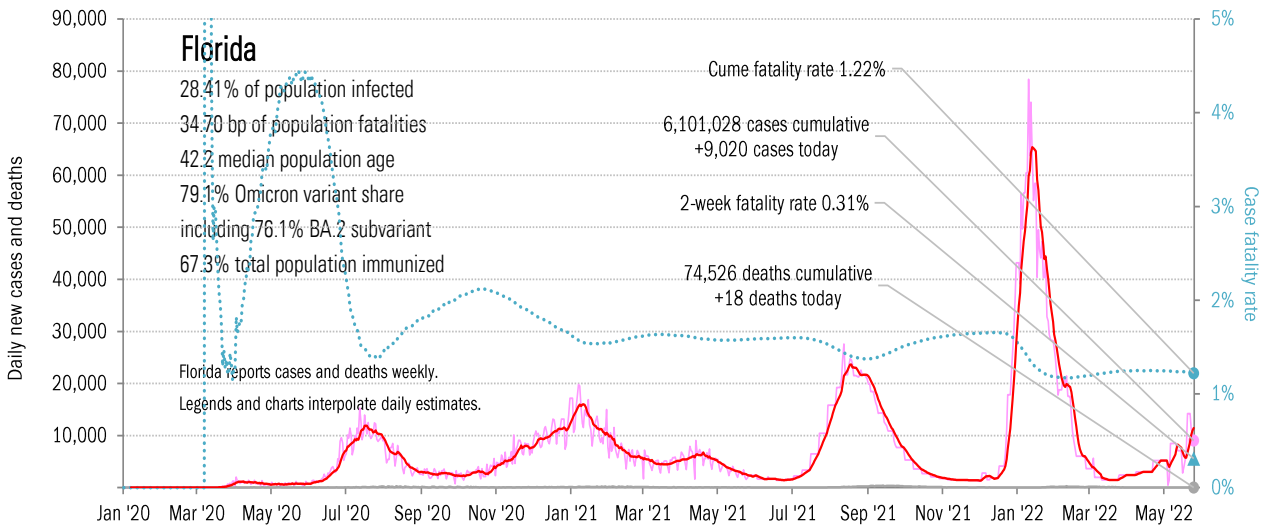
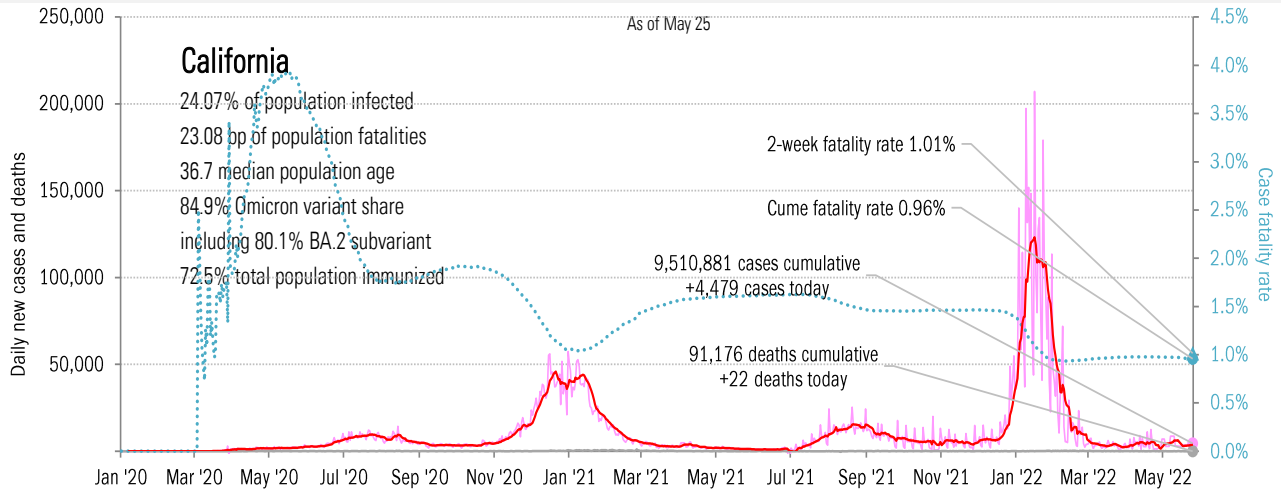
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

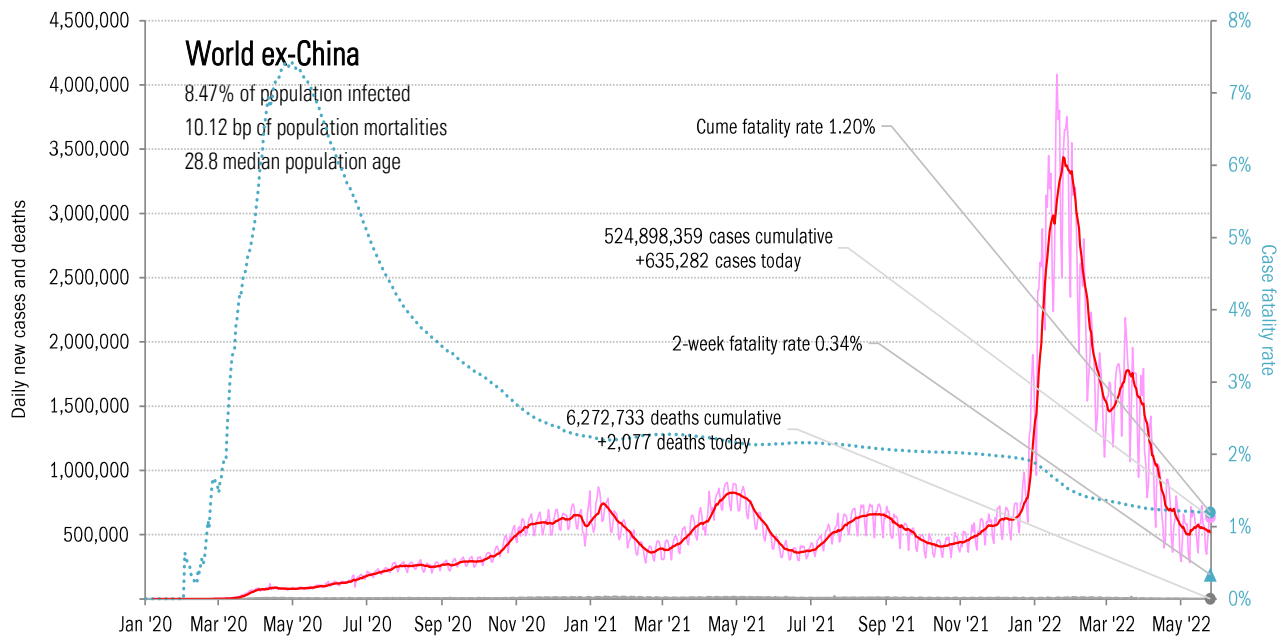
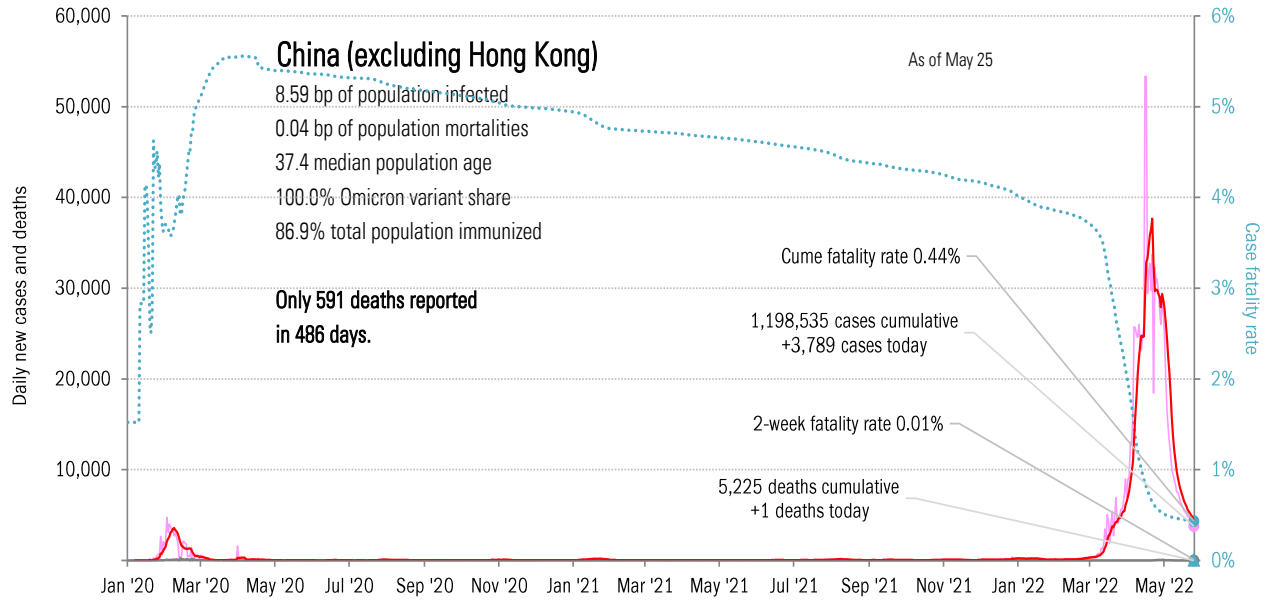
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

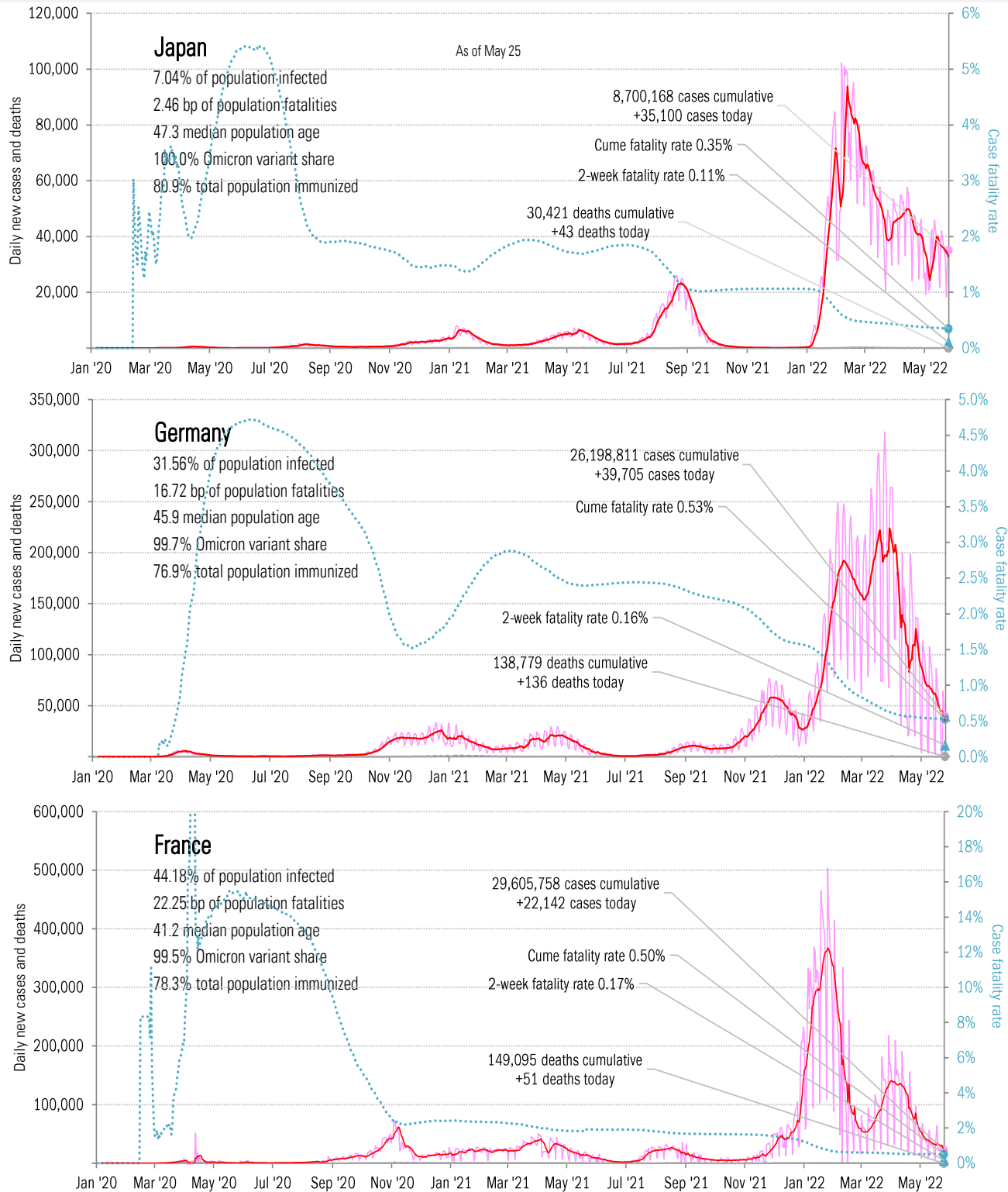
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

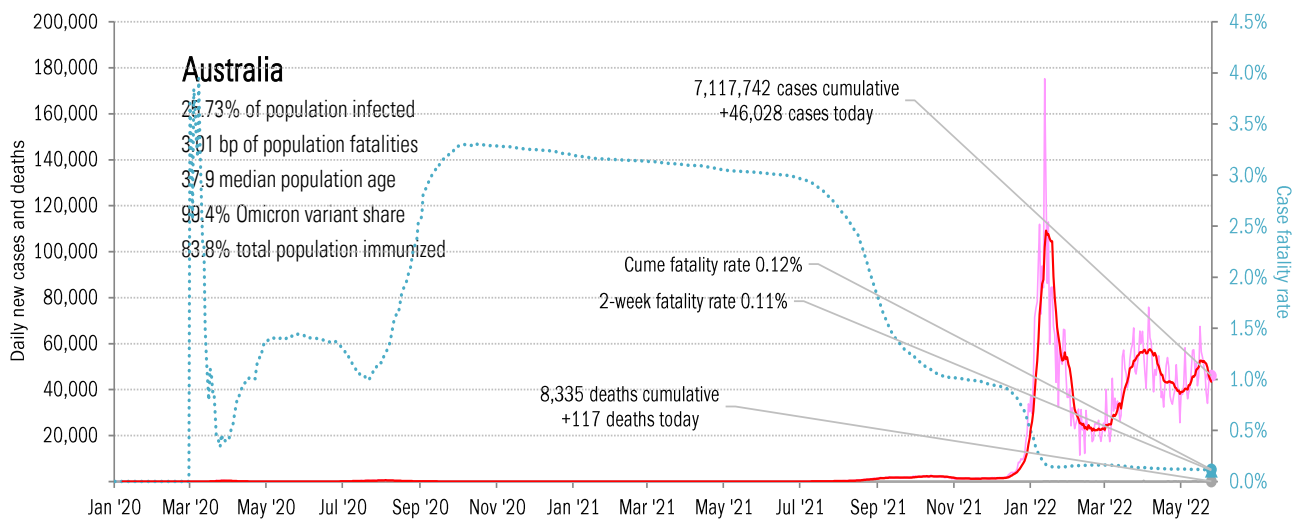
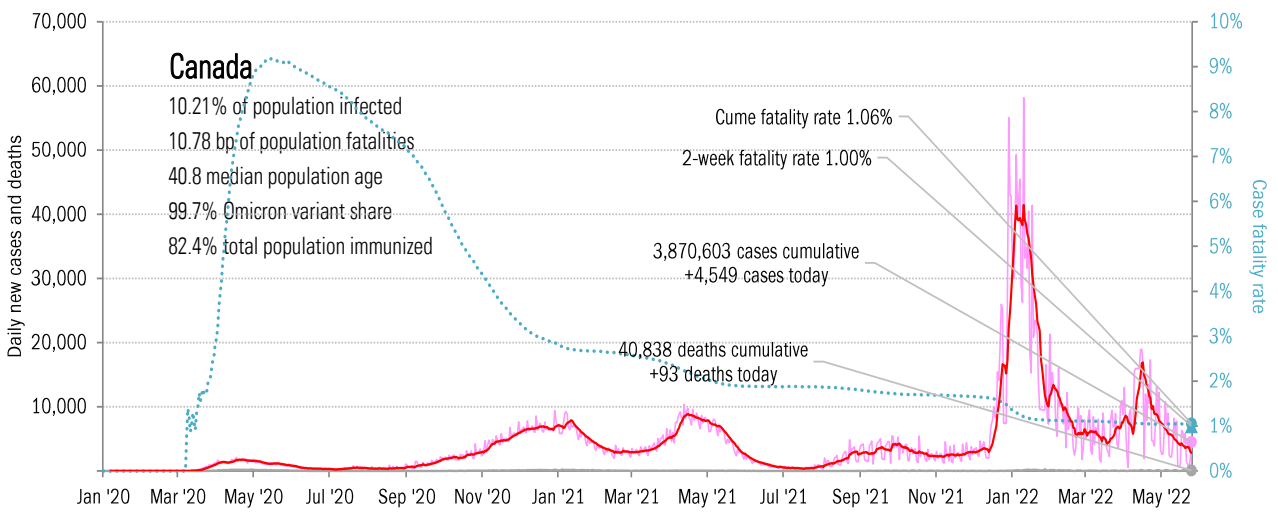
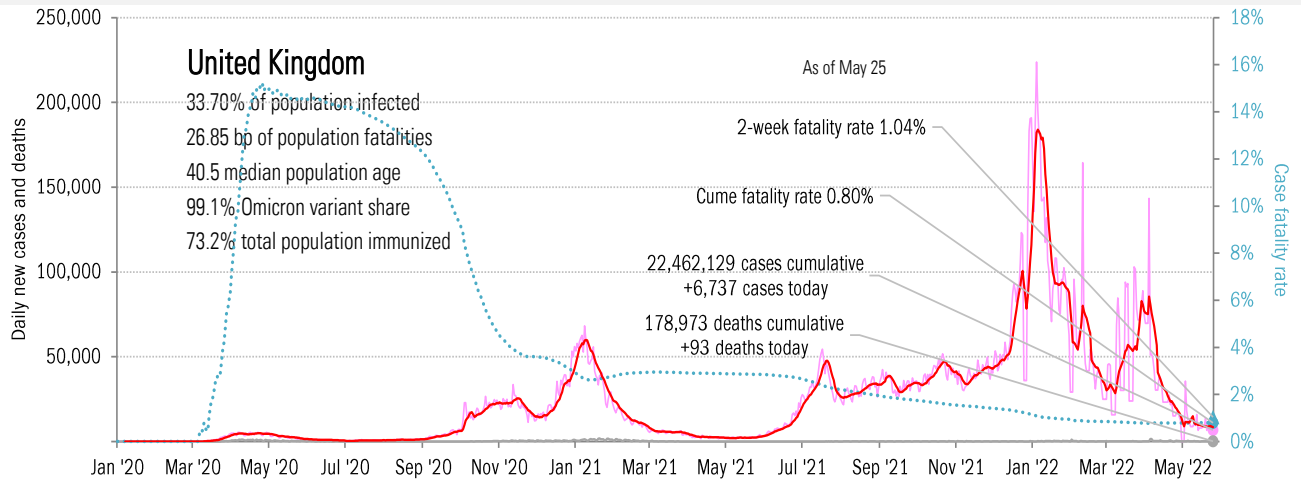
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

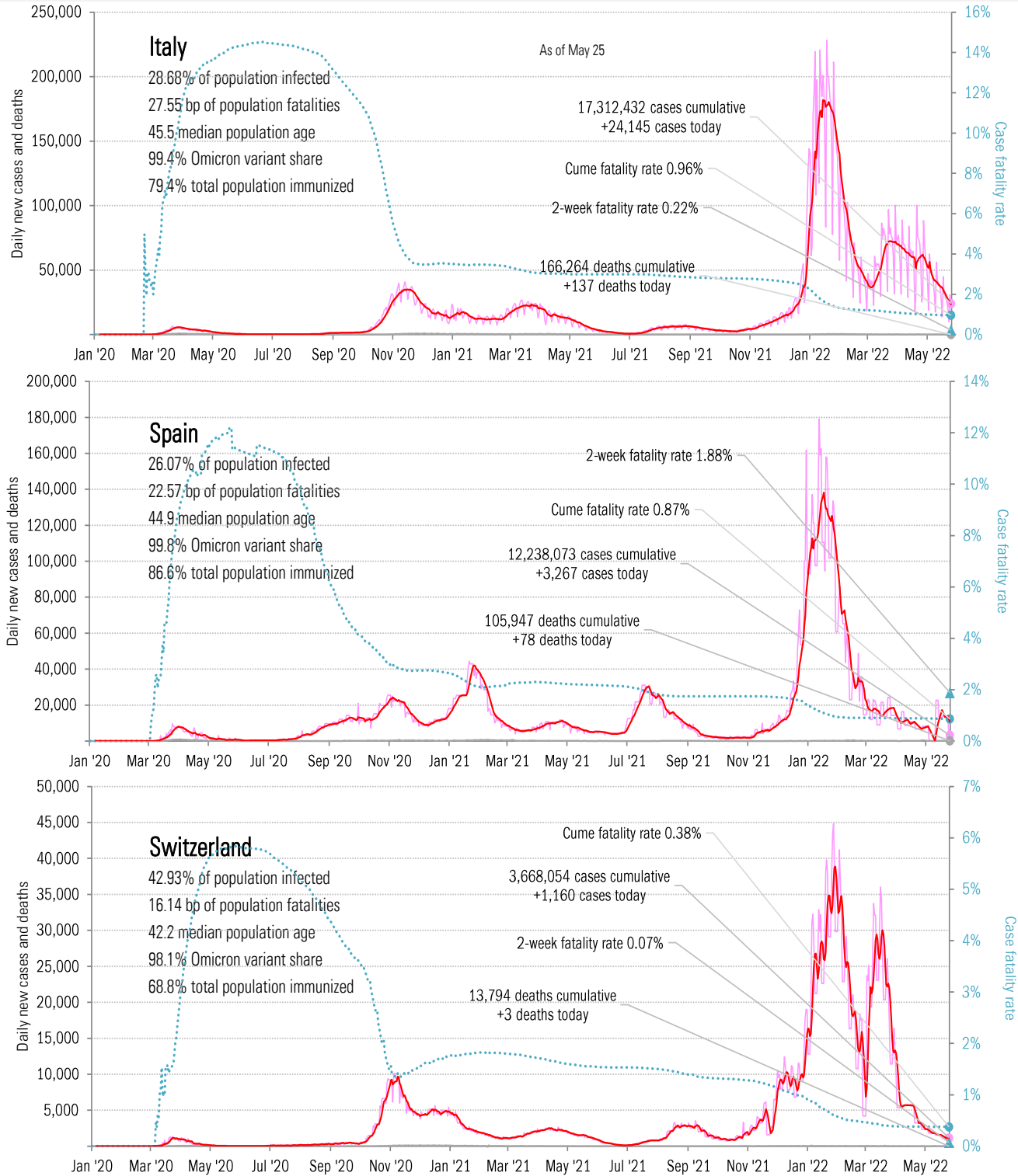
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

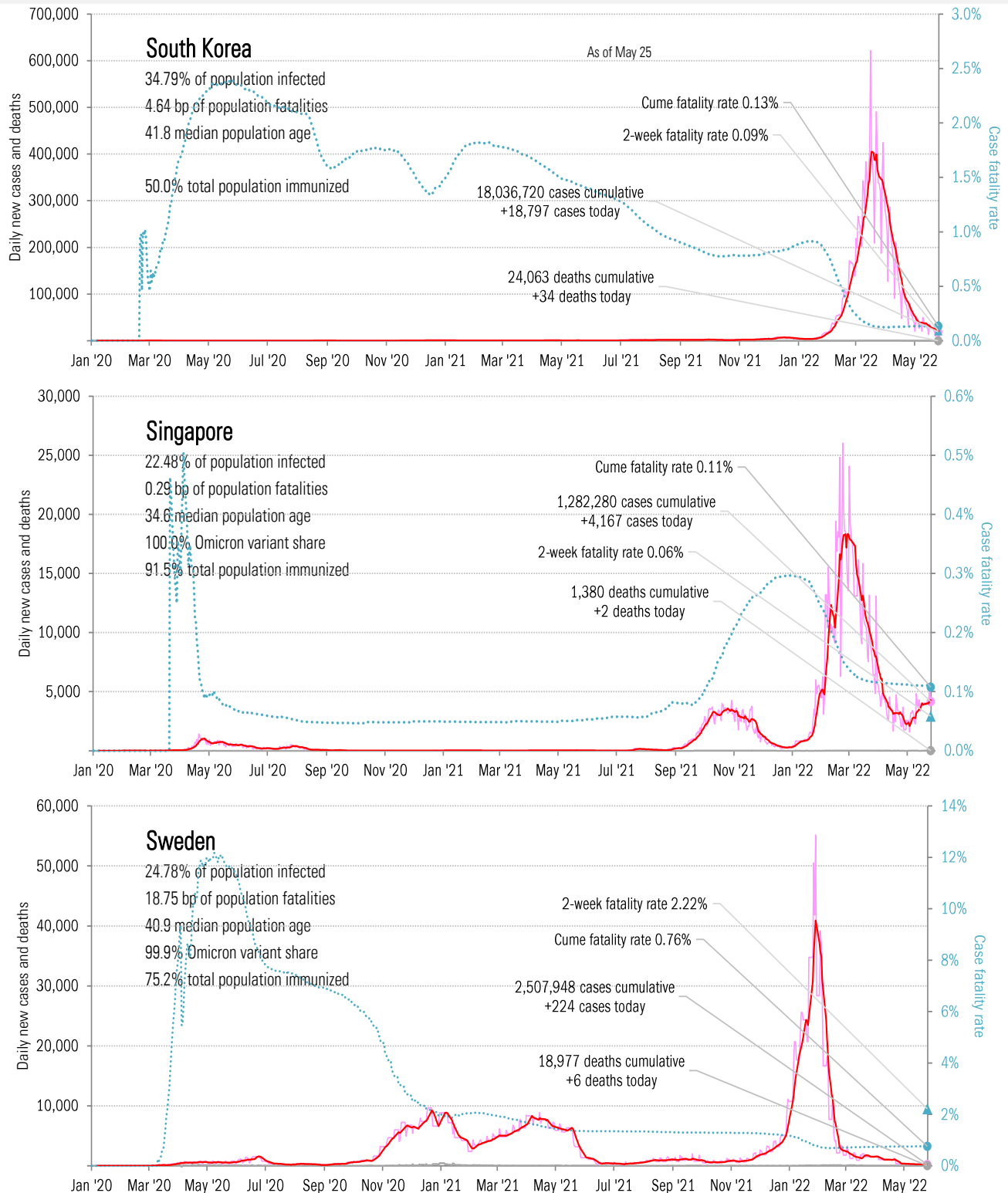
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

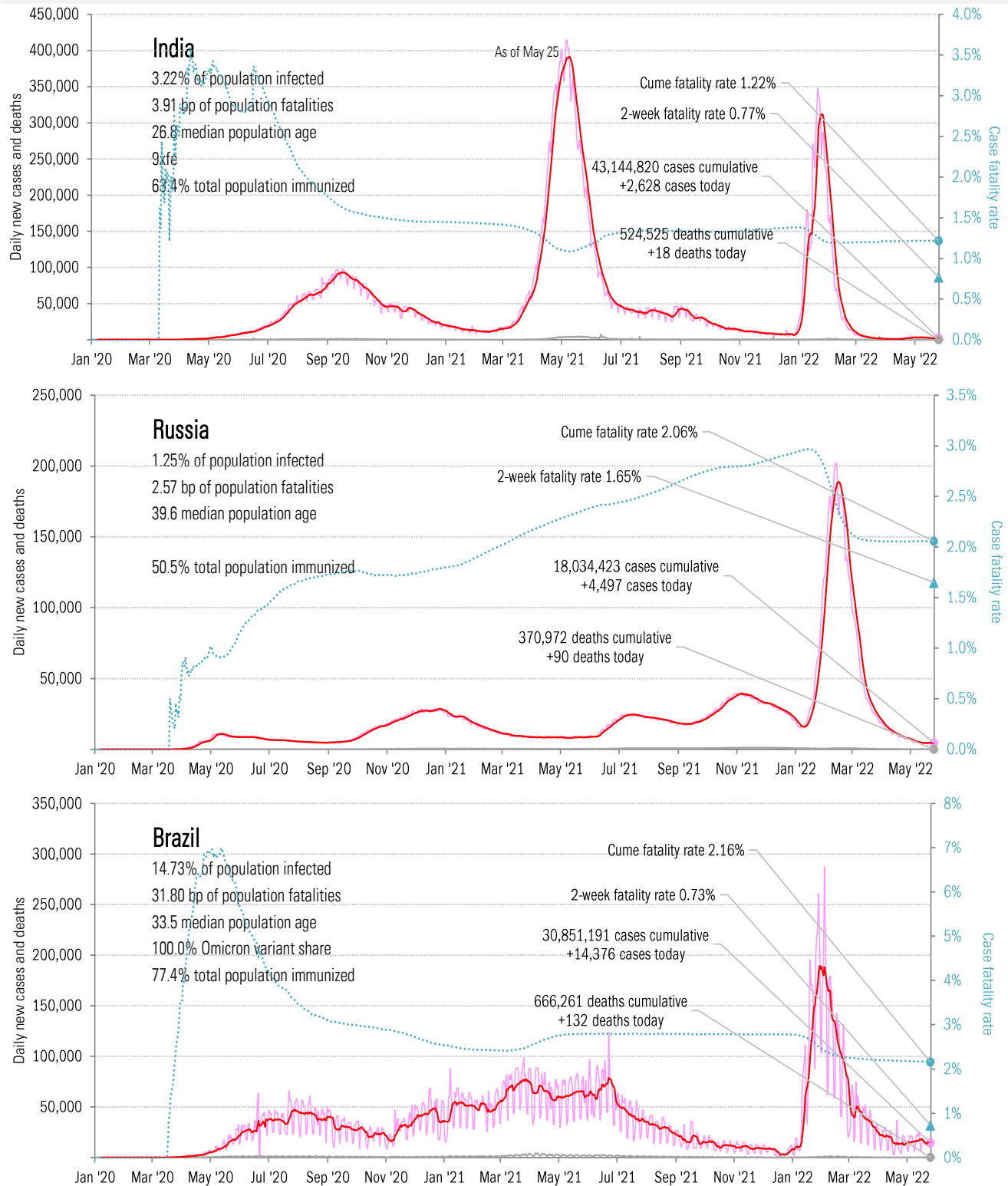
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

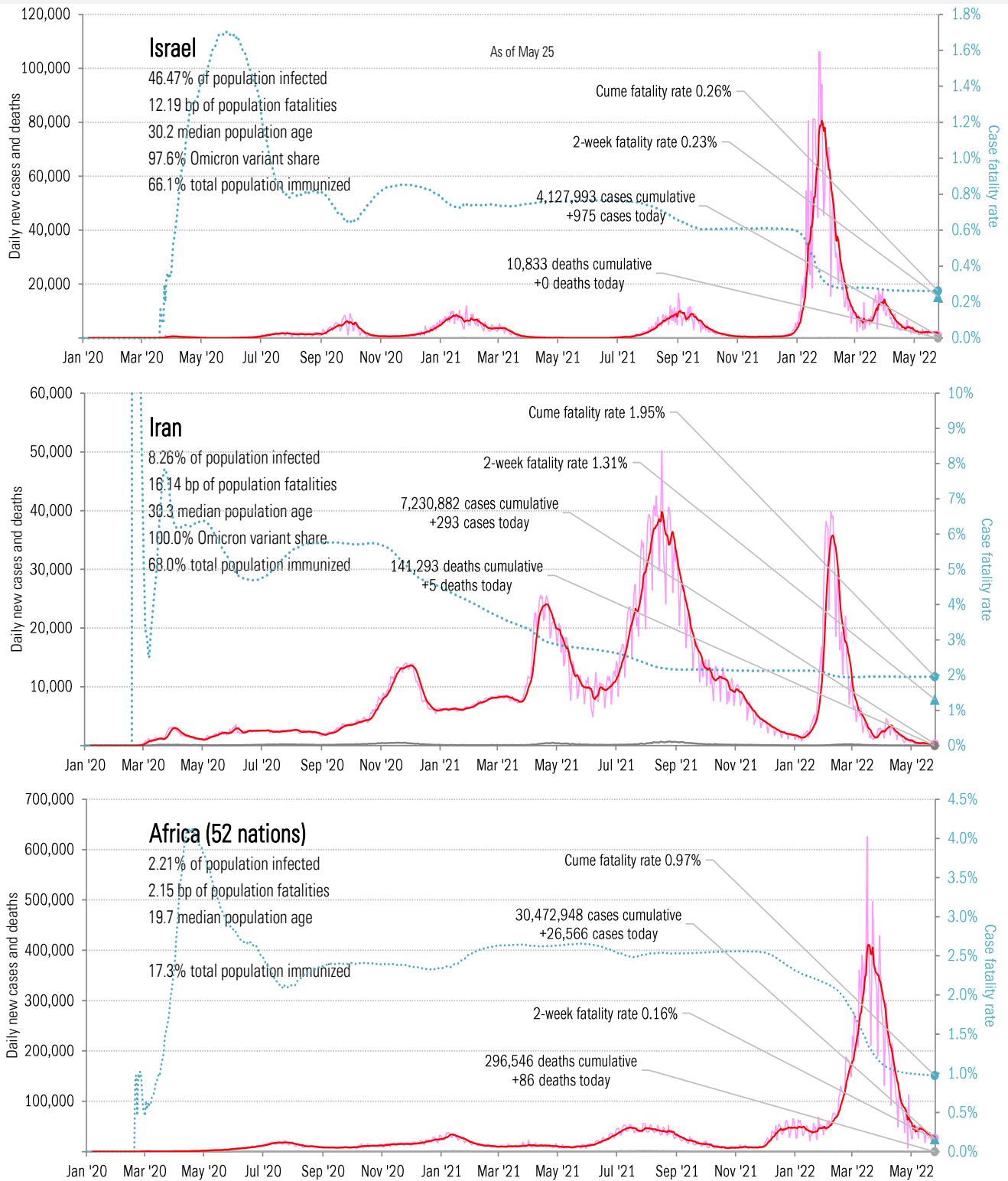
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

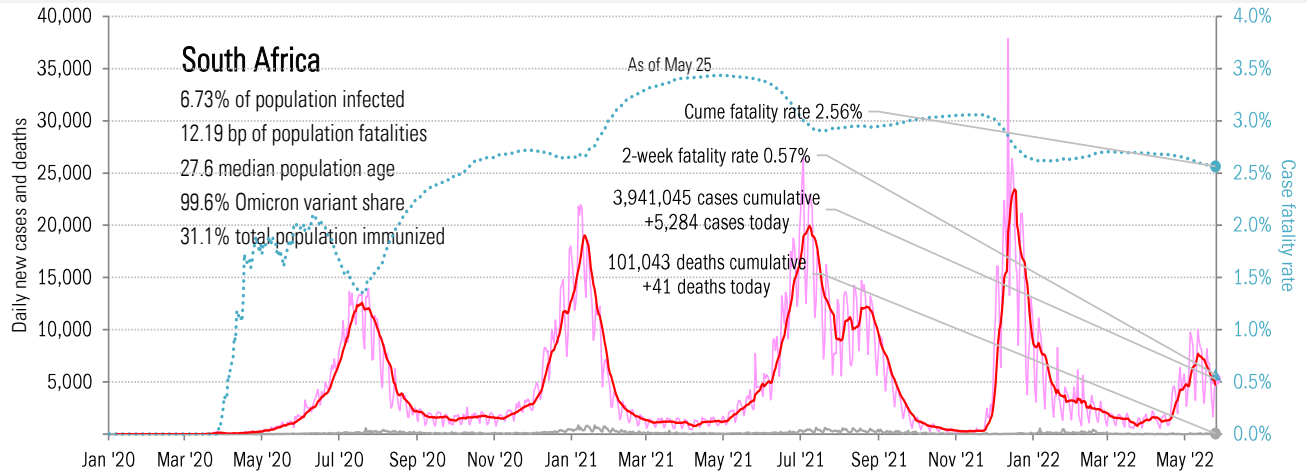
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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