

Data Insights: Covid-2019 Monitor

Wednesday, September 21, 2022

The global scorecard

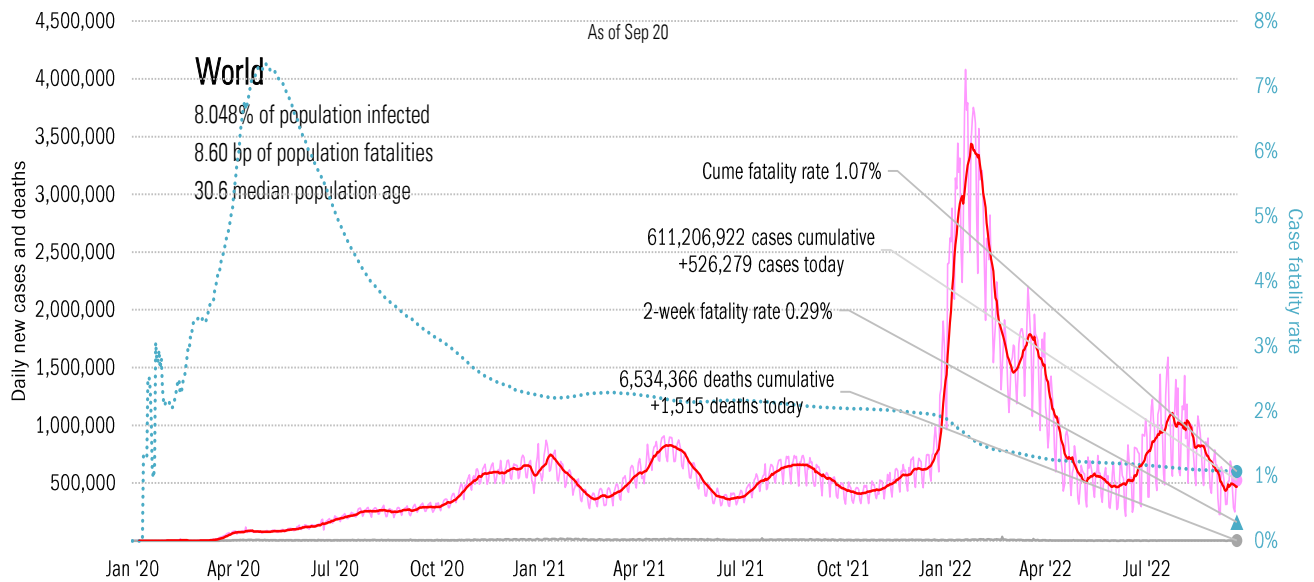
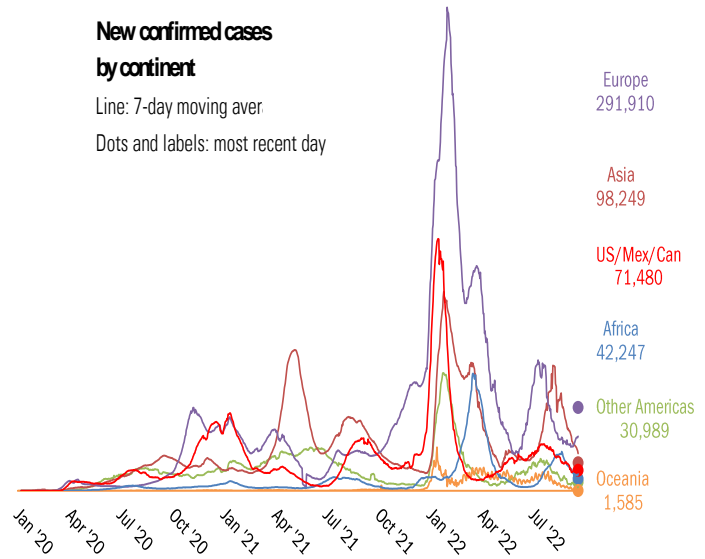
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

| New cases | | New Deaths | |
|----------------|---------|---------------|-------|
| United States | 57,143 | United States | 515 |
| Germany | 56,715 | Chile | 128 |
| France | 51,848 | Japan | 127 |
| Russia | 46,072 | Spain | 120 |
| Taiwan* | 44,679 | Greece | 116 |
| Korea, South | 41,231 | Russia | 95 |
| Greece | 36,404 | Germany | 90 |
| Japan | 31,712 | Italy | 60 |
| Italy | 28,385 | Korea, South | 59 |
| Chile | 20,038 | France | 48 |
| 414,227 | | 1,358 | |
| World | 526,279 | World | 1,515 |
| Top ten | 79% | Top ten | 90% |

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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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

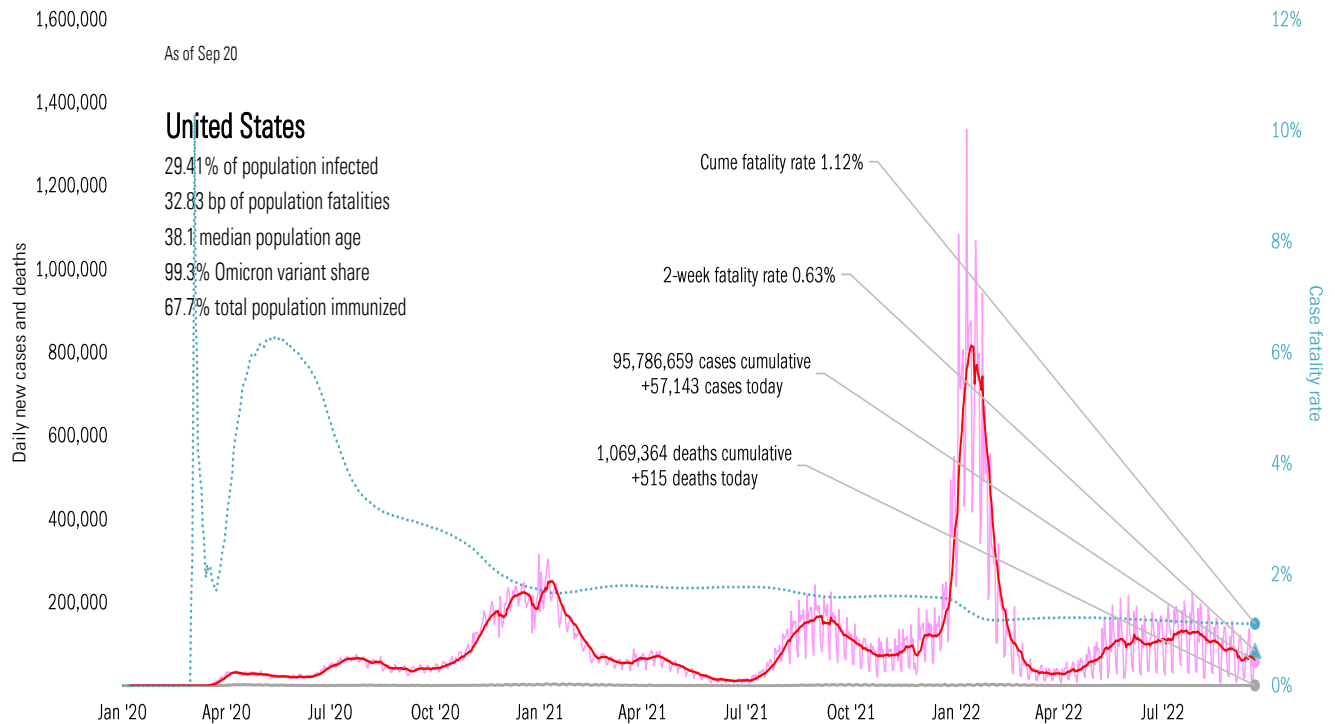
The ten worst US states

| New cases | | | New deaths | | | New in hospital | | | Cumulative cases | | | Cumulative deaths | | | Cumulative in hospital | | | Hospital use | | ICU use | |
|------------|--------|--|------------|----|-------|-----------------|-----|------------|------------------|------------|-----------|-------------------|-----------|--|------------------------|---------|-----|--------------|-----|---------|-----|
| KS | 4,247 | | FL | 56 | | PA | 183 | | CA | 11,204,226 | | CA | 95,601 | | TX | 543,134 | | RI | 90% | TX | 88% |
| NY | 4,058 | | NY | 50 | | MI | 141 | | TX | 7,960,751 | | TX | 90,666 | | CA | 496,523 | | MA | 86% | MA | 82% |
| NC | 3,027 | | MO | 40 | | WI | 83 | | FL | 7,116,330 | | FL | 80,980 | | FL | 490,689 | | MN | 83% | AK | 82% |
| NJ | 2,997 | | TX | 27 | | UT | 24 | | NY | 6,071,641 | | NY | 71,574 | | NY | 296,466 | | WA | 83% | AL | 82% |
| CH | 2,936 | | IL | 25 | | MT | 20 | | IL | 3,740,350 | | PA | 46,970 | | GA | 224,874 | | MO | 82% | RI | 81% |
| WA | 2,834 | | AR | 24 | | CT | 60 | | PA | 3,222,783 | | GA | 40,025 | | CH | 216,597 | | DE | 82% | NM | 80% |
| MI | 2,414 | | GA | 21 | | MO | 78 | | NC | 3,162,491 | | CH | 39,675 | | PA | 201,988 | | MI | 80% | WA | 79% |
| TN | 2,315 | | MI | 21 | | DE | 10 | | CH | 3,117,109 | | IL | 39,576 | | IL | 185,235 | | MD | 79% | NC | 78% |
| MD | 1,983 | | PA | 20 | | IN | 73 | | GA | 2,893,001 | | MI | 38,464 | | MI | 161,140 | | AK | 79% | GA | 77% |
| IL | 1,876 | | VA | 19 | | NM | 14 | | MI | 2,821,489 | | NJ | 34,689 | | KY | 144,460 | | GA | 78% | MI | 76% |
| 28,687 | | | 303 | | | 686 | | | 51,310,171 | | | 578,220 | | | 2,961,106 | | | | | | |
| All states | 57,143 | | 515 | | 3,478 | | | All states | 95,786,659 | | 1,069,364 | | 5,371,113 | | All states | 70% | 67% | | | | |
| Top ten | 50% | | 59% | | 20% | | | Top ten | 54% | | 55% | | 55% | | Median | 74% | 70% | | | | |

Some states not reporting

Five most improved US states

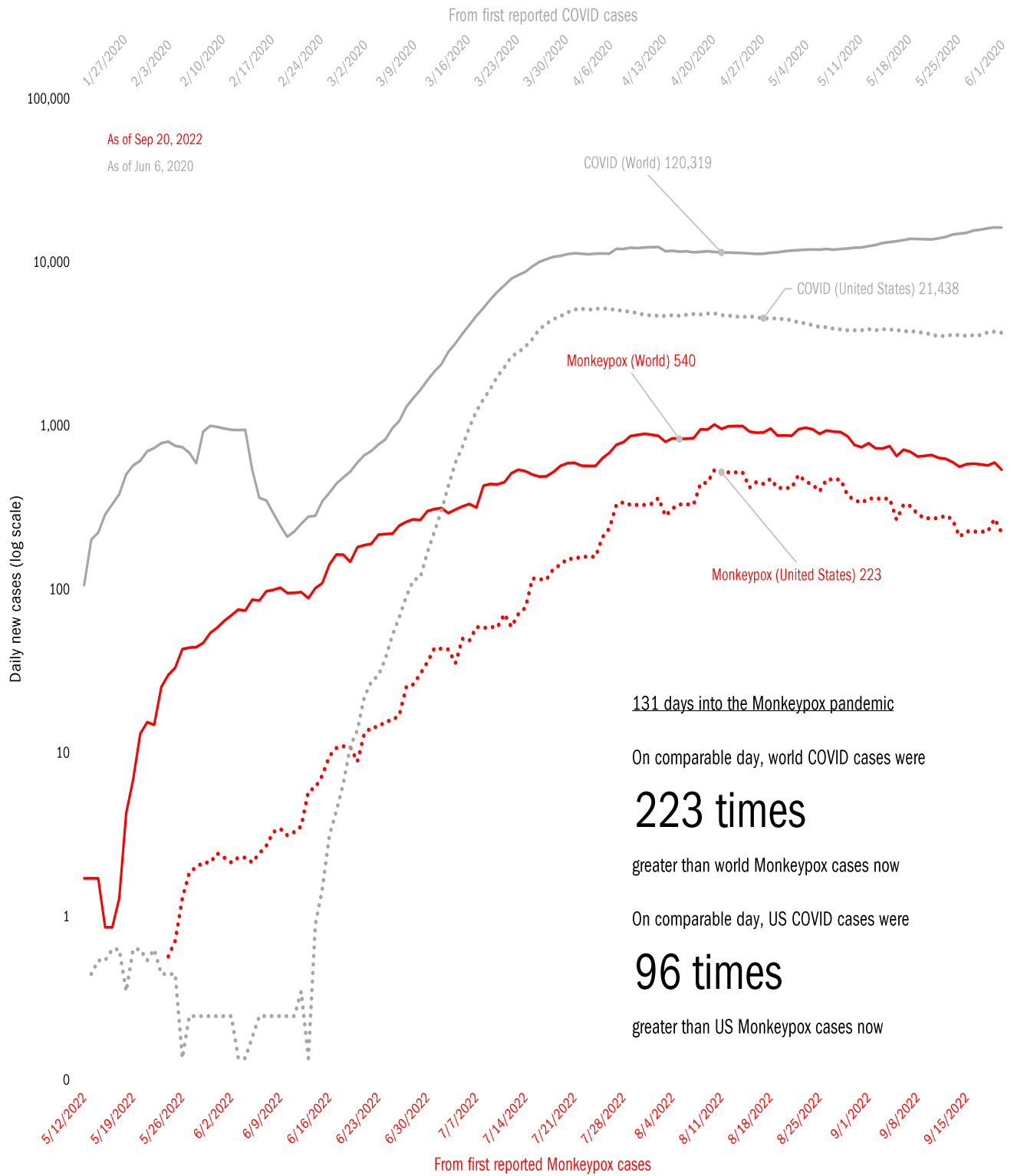
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | |
|-------------------|--------|------------------|-----|----------------------------|------|
| TX | -9,451 | CA | -23 | TX | -127 |
| NY | -3,514 | WA | -16 | FL | -125 |
| CA | -1,932 | WI | -9 | CA | -77 |
| MO | -526 | NM | -3 | NC | -65 |
| CK | -299 | AK | 0 | IL | -61 |



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

The Monkeypox contextualizer

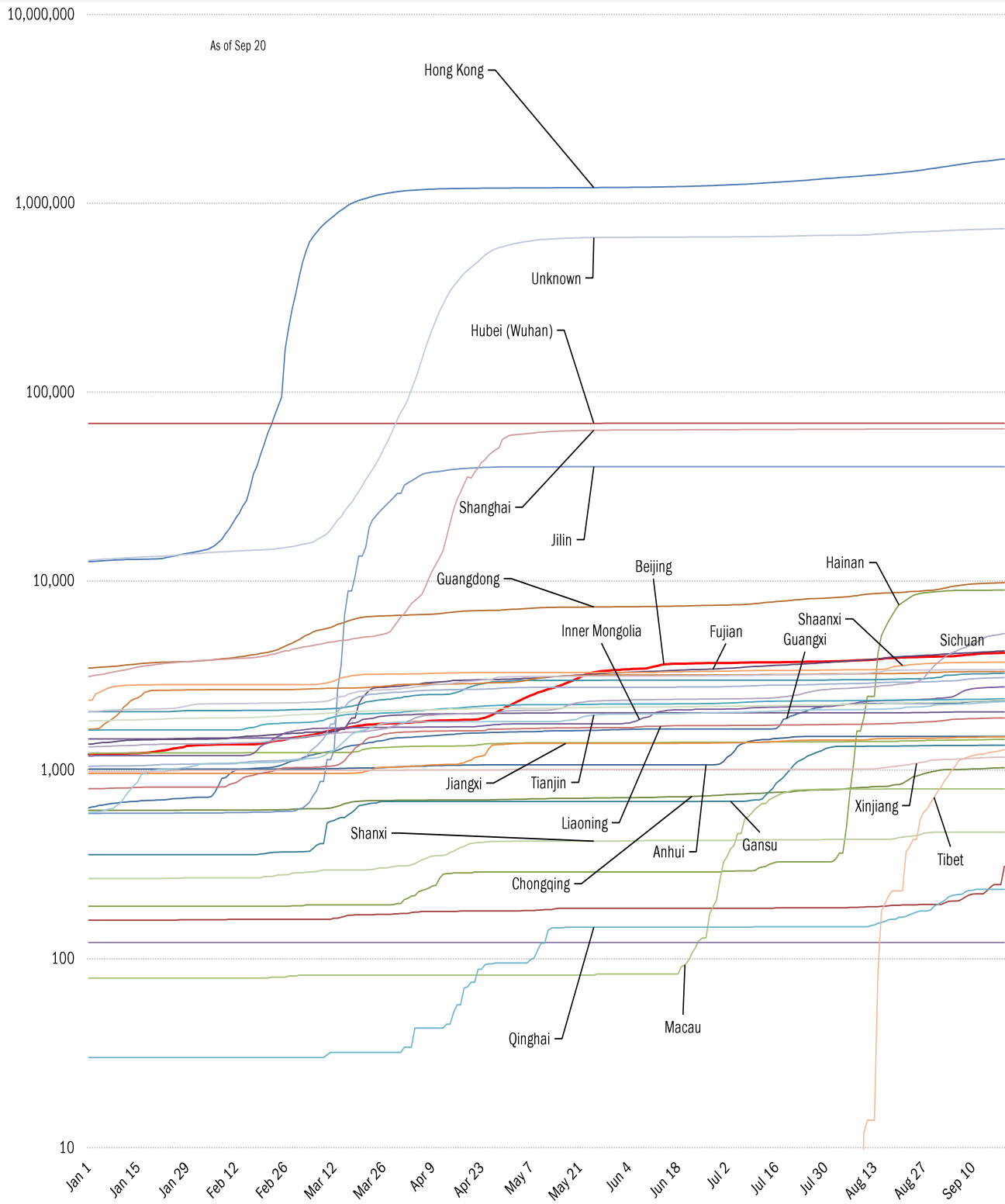
The course of case growth versus COVID



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

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

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

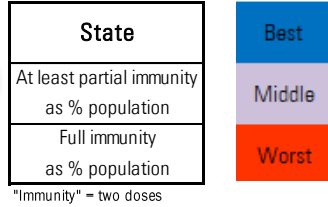
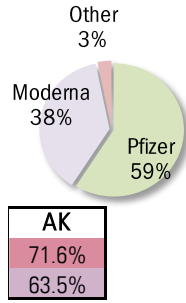


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

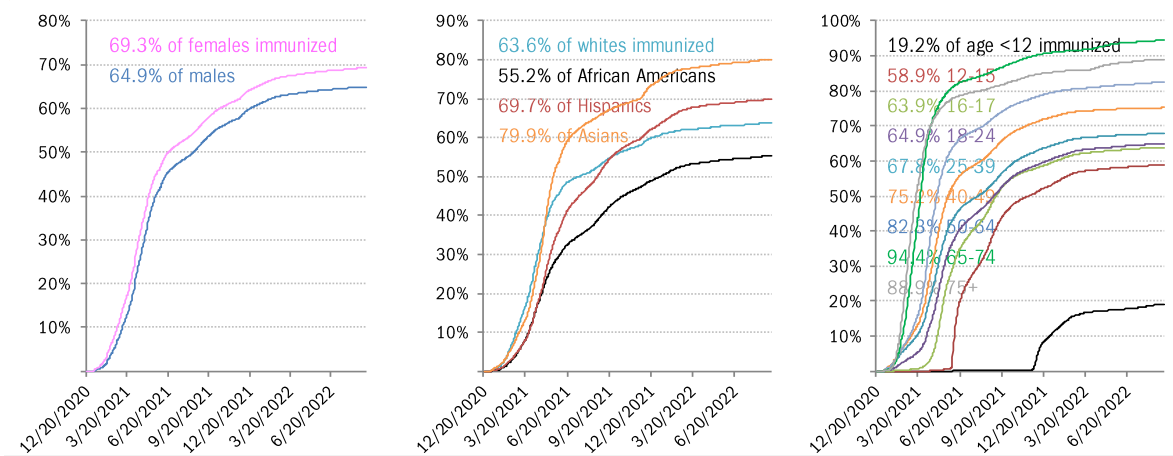
| Administered | Cumulative | | Today | Immunity | Full | Partial |
|-------------------|-------------|-------|----------------|----------|------------------|-----------------------|
| Doses | 628,212,647 | | +0.301 million | US | 67.7% | 79.3% |
| of which boosters | 111,339,704 | | +0.036 million | UK | 75.4% | 80.0% |
| | One dose | % Pop | Immune | % pop | New immune today | |
| Total population | 271,603,286 | 81% | 231,176,587 | 69% | +0.039 million | France 78.7% 80.9% |
| Age 12 to 17 | 18,184,016 | 72% | 15,537,763 | 61% | +0.002 million | Spain 85.6% 87.0% |
| Age 18 to 64 | 181,166,913 | 89% | 153,880,774 | 76% | +0.019 million | Germany 76.1% 77.7% |
| Age 65 and over | 59,792,035 | 100% | 52,310,508 | 95% | +0.007 million | Italy 81.0% 85.8% |
| | | | | | | Australia 84.0% 86.5% |
| | | | | | | Israel 66.2% 72.3% |
| | | | | | | Canada 82.7% 87.0% |
| | | | | | | Japan 82.5% 83.6% |
| | | | | | | Africa 22.6% 28.6% |
| | | | | | | India 67.2% 72.9% |
| | | | | | | Brazil 80.3% 87.1% |
| | | | | | | China 89.1% 91.4% |



As of Sep 16

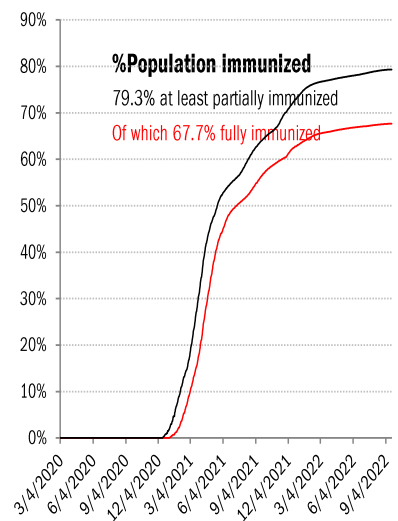
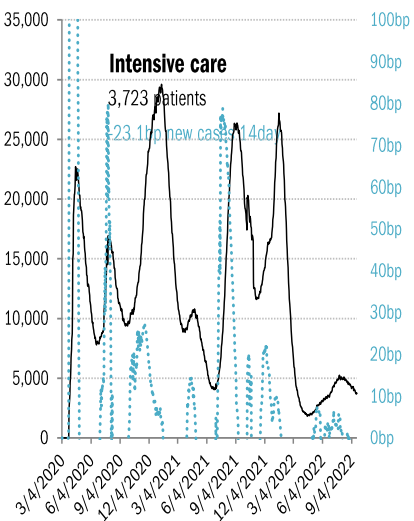
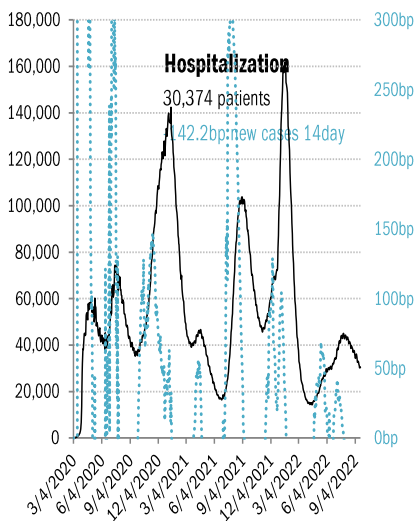
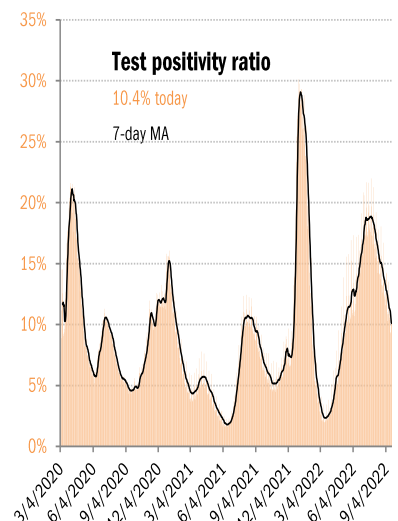
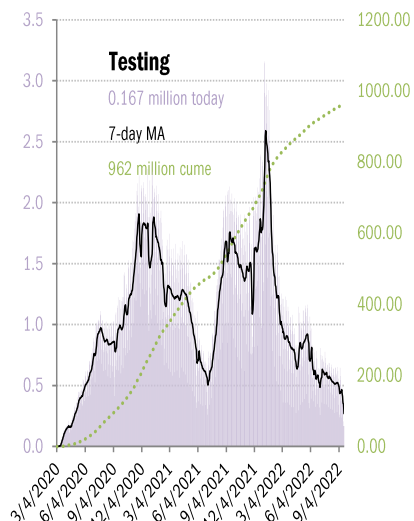
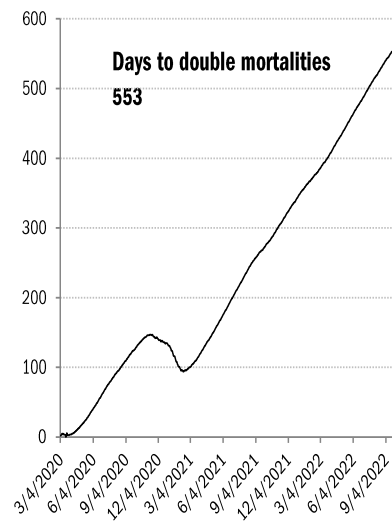
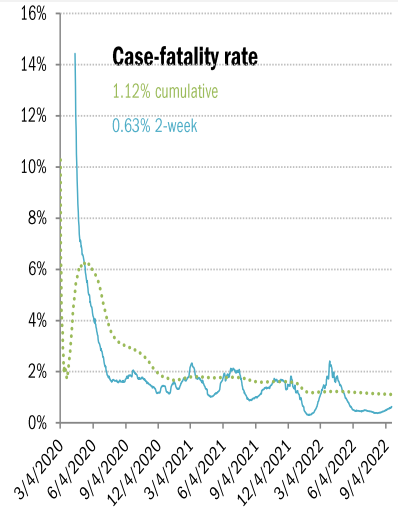
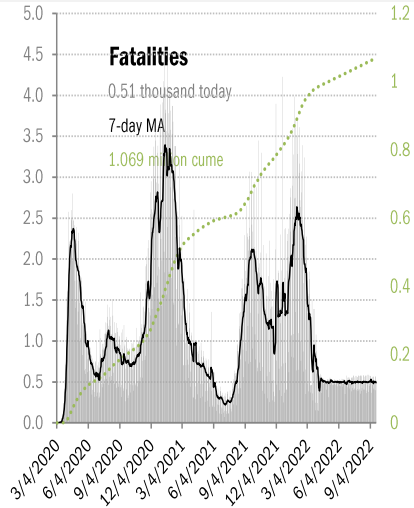
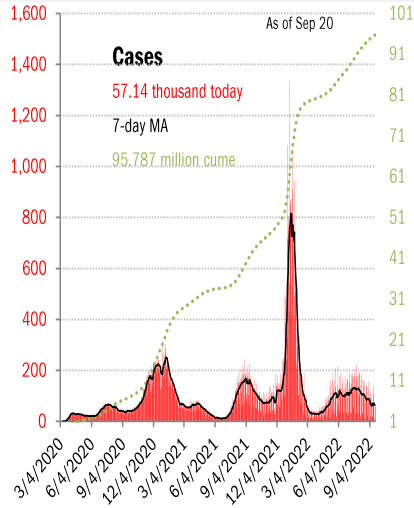
| State | Moderna | Pfizer |
|-------|---------|--------|
| AK | 71.6% | 63.5% |
| HI | 89.6% | 79.8% |
| ME | 93.4% | 81.4% |
| NY | 92.2% | 78.6% |
| VT | 95.0% | 83.0% |
| NH | 91.0% | 72.6% |
| MA | 95.0% | 81.0% |
| RI | 95.0% | 85.1% |
| CT | 95.0% | 80.9% |
| MD | 89.1% | 77.5% |
| DE | 85.4% | 71.0% |
| DC | 95.0% | 79.3% |
| VA | 88.1% | 74.8% |
| PA | 87.7% | 70.7% |
| OH | 64.5% | 59.4% |
| IN | 63.2% | 56.9% |
| MI | 68.2% | 61.2% |
| WI | 73.4% | 66.7% |
| IL | 77.4% | 69.7% |
| IA | 69.3% | 63.0% |
| MN | 76.9% | 70.5% |
| ND | 67.3% | 56.8% |
| SD | 79.5% | 63.9% |
| WY | 59.3% | 51.9% |
| NV | 77.1% | 62.1% |
| UT | 73.8% | 65.5% |
| CO | 81.5% | 71.7% |
| NE | 71.8% | 64.8% |
| MO | 67.7% | 57.4% |
| KY | 67.5% | 58.5% |
| WV | 66.3% | 58.7% |
| NC | 87.6% | 63.7% |
| SC | 69.4% | 58.4% |
| GA | 67.1% | 56.1% |
| AL | 64.0% | 52.2% |
| MS | 60.9% | 53.0% |
| LA | 62.1% | 54.4% |
| OK | 72.8% | 58.7% |
| TX | 74.7% | 62.1% |
| FL | 81.0% | 68.3% |
| PR | 95.0% | 84.8% |

The demographics of US vaccination

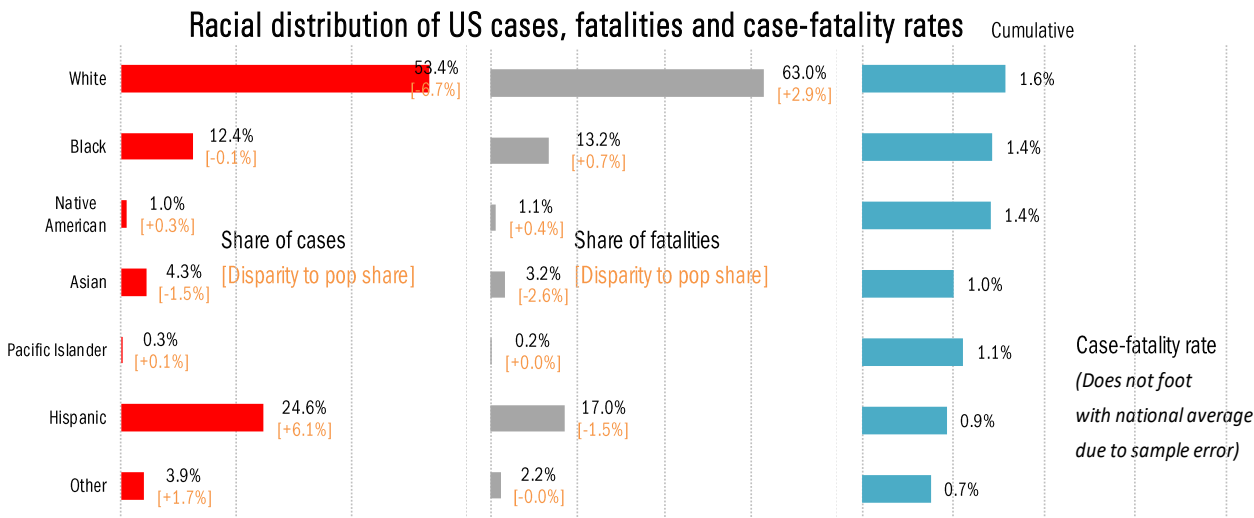
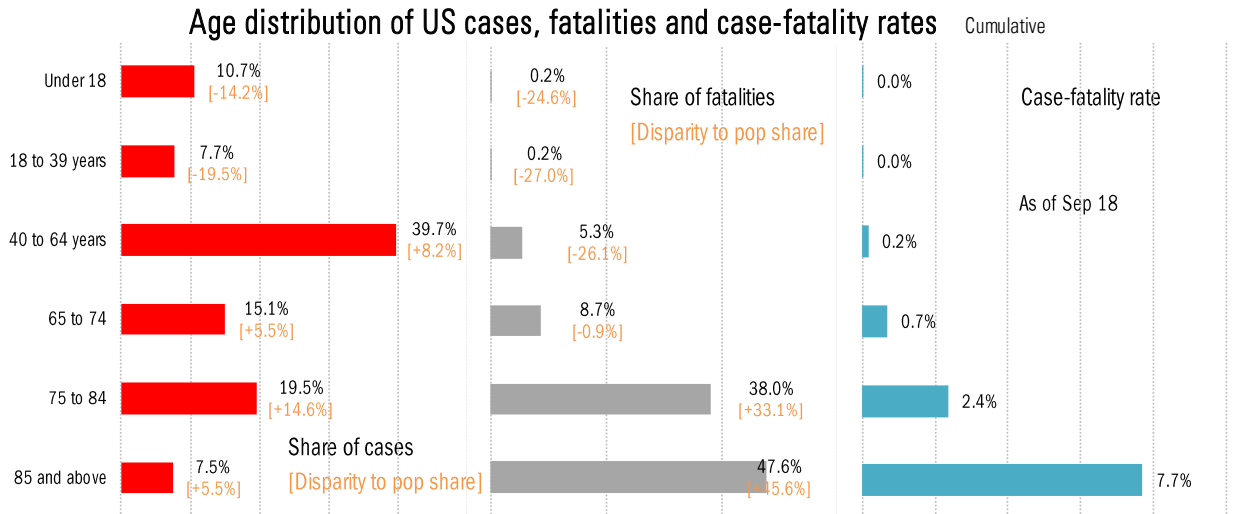


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

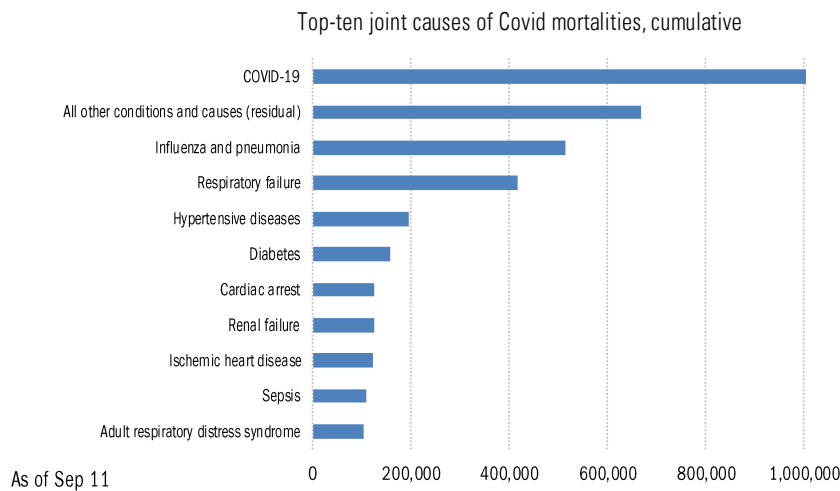
US deep-dive



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



Comorbidities



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

[Biden clarifies COVID comments: Pandemic 'basically is not where it was'](#)

Brett Samuels
The Hill
September 21, 2022

[Feds accuse 47 people of stealing cash meant to help feed needy kids in 'staggering' Covid scheme](#)

Ken Dilanian
NBC News
September 20, 2022

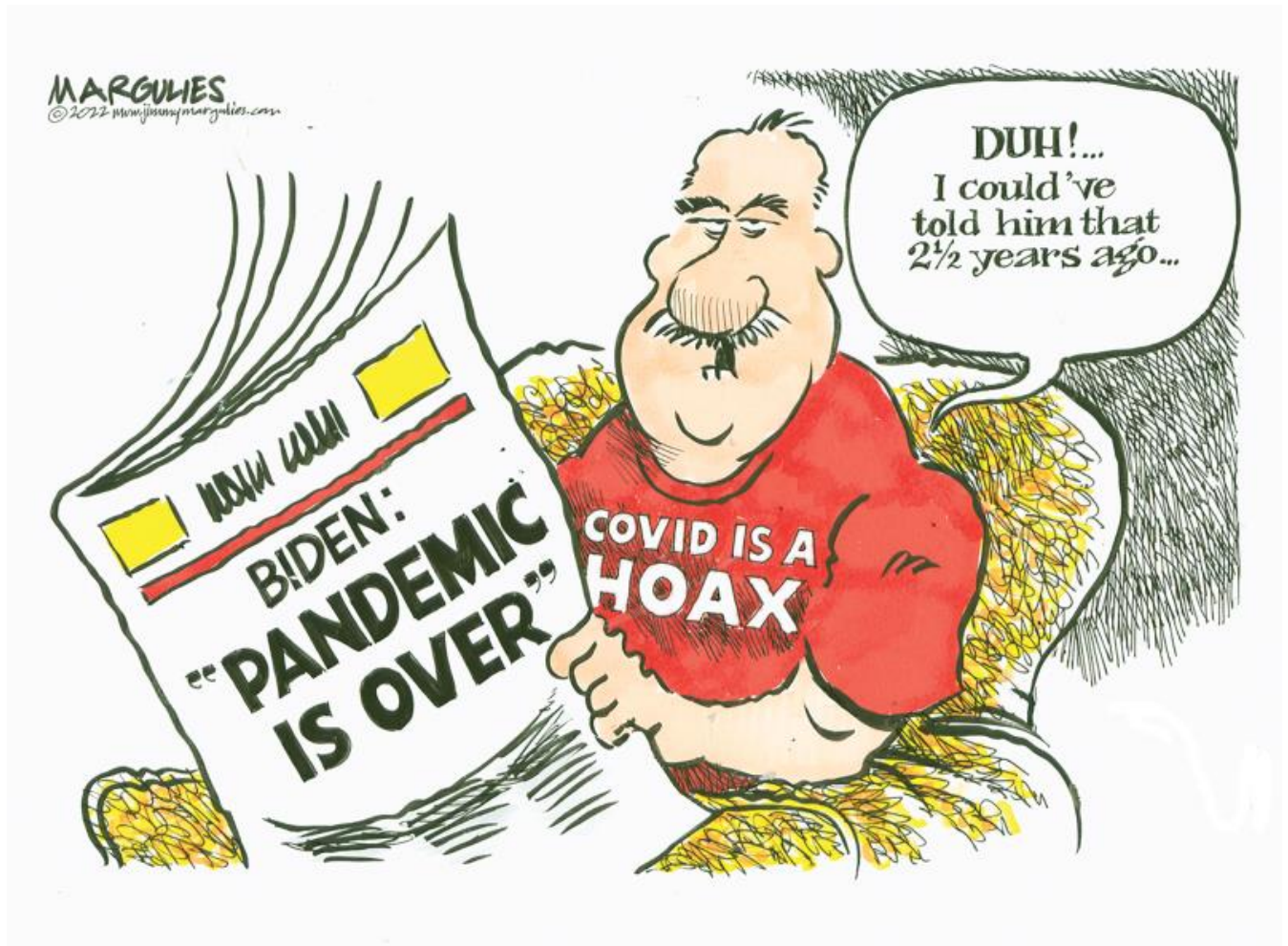
[Covid: Reserve Bank of Australia takes \\$30bn hit on bond purchases](#)

BBC
September 21, 2022

[New York spent \\$250M on tech to fight Covid that no one uses](#)

Joseph Spector
Politico
September 20, 2022

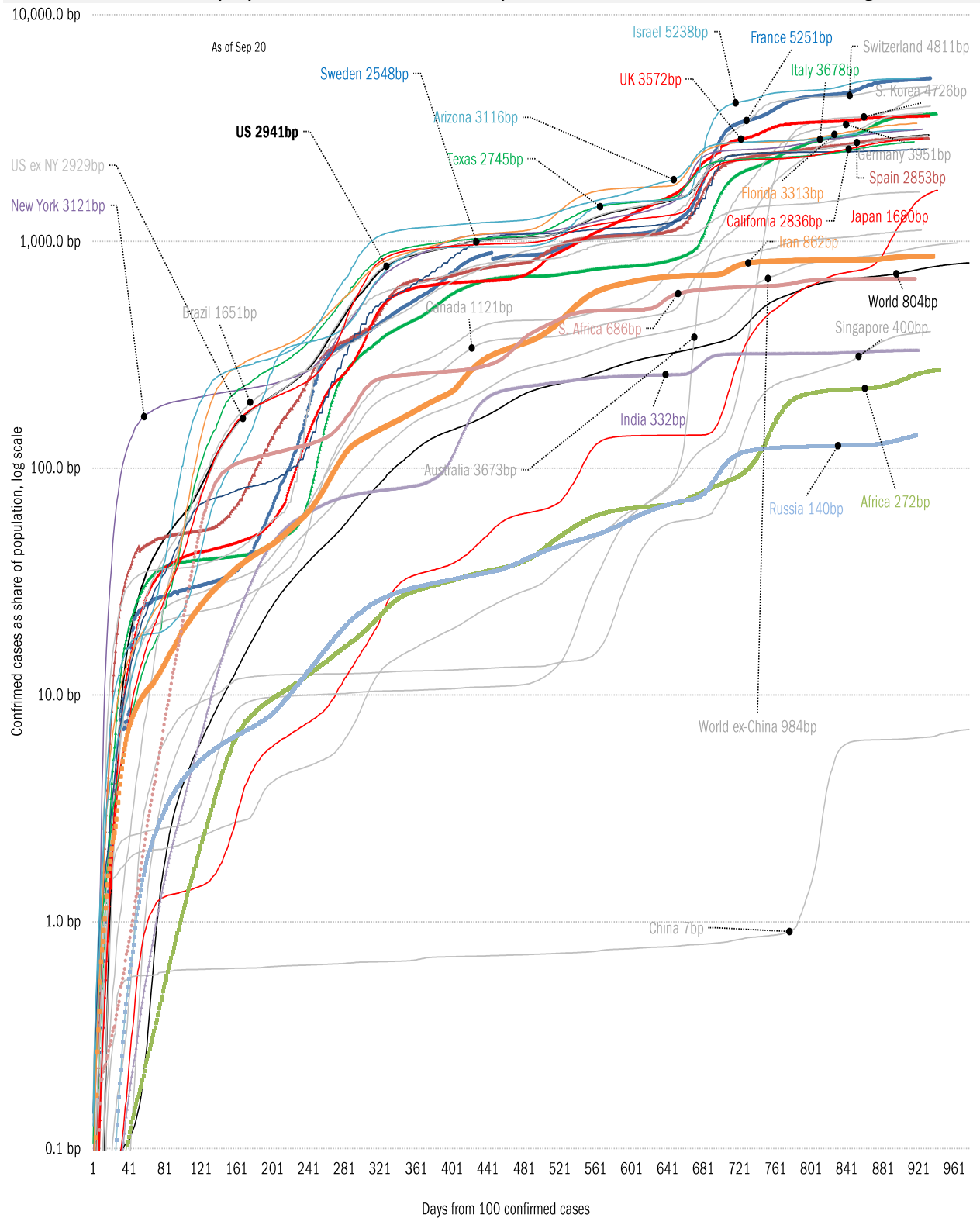
Meme of the day



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

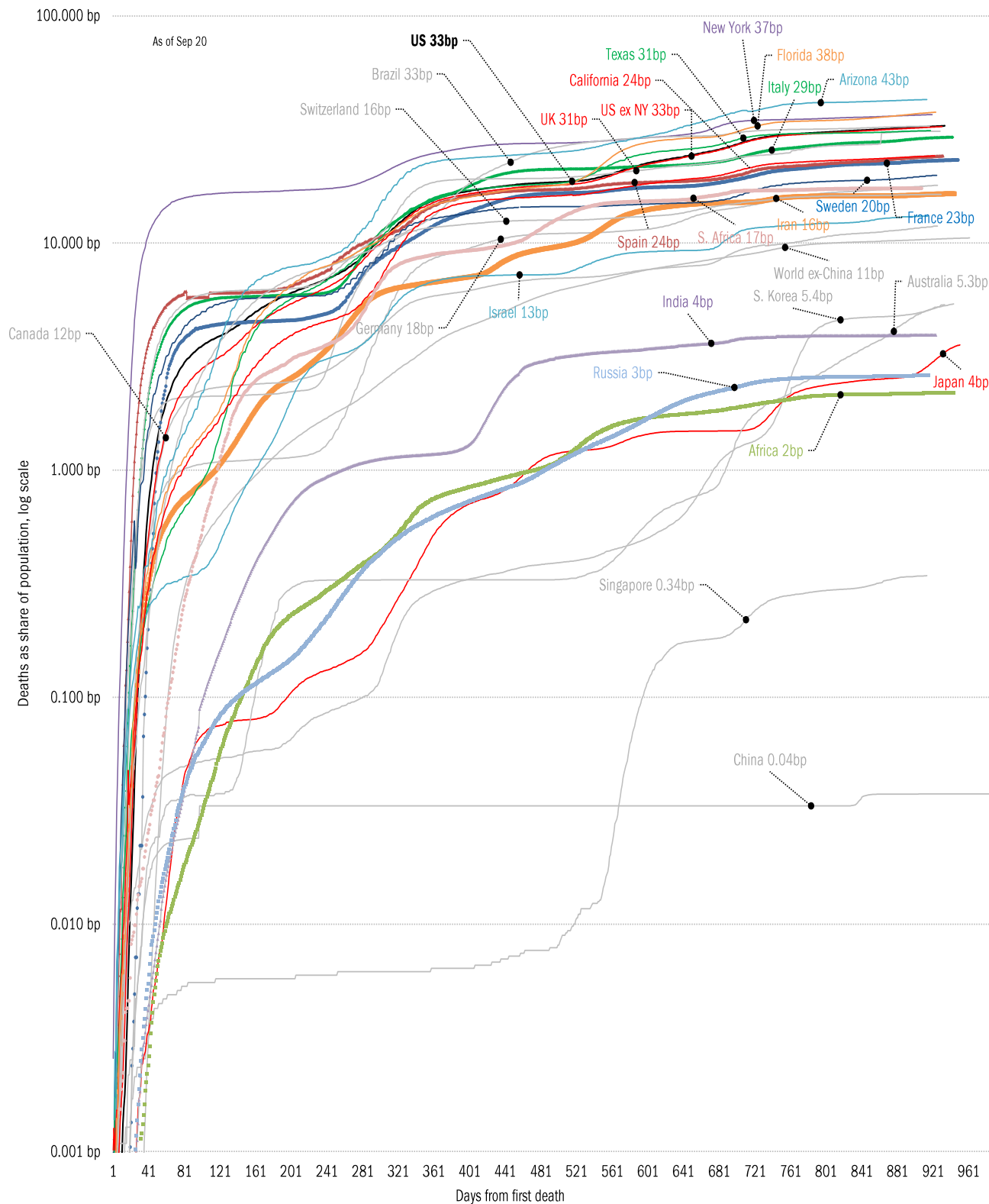
The global coronavirus case accelerometer... tracking the world's infection curves

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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

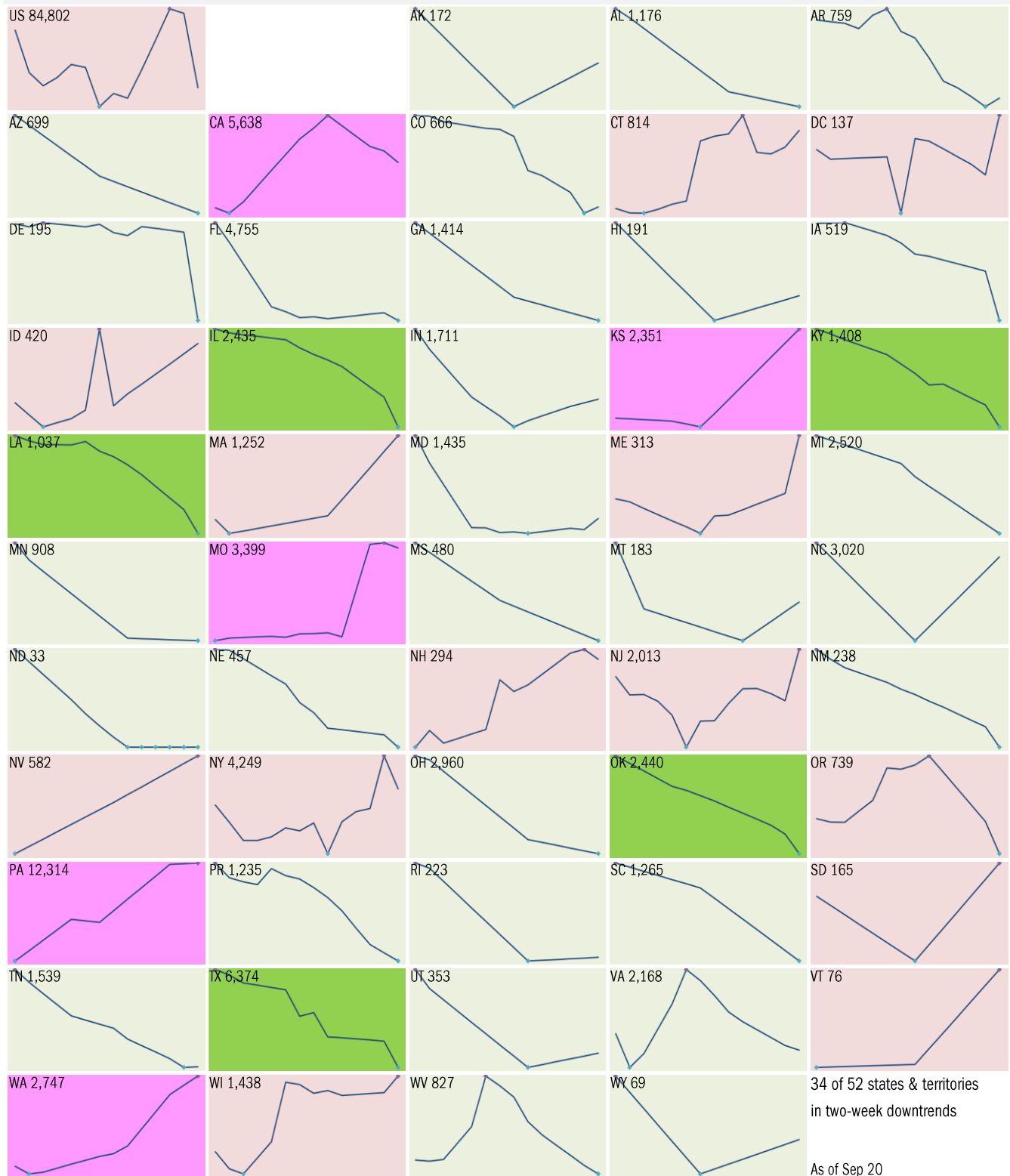


Source: [Johns Hopkins](#), TrendMacro calculations

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

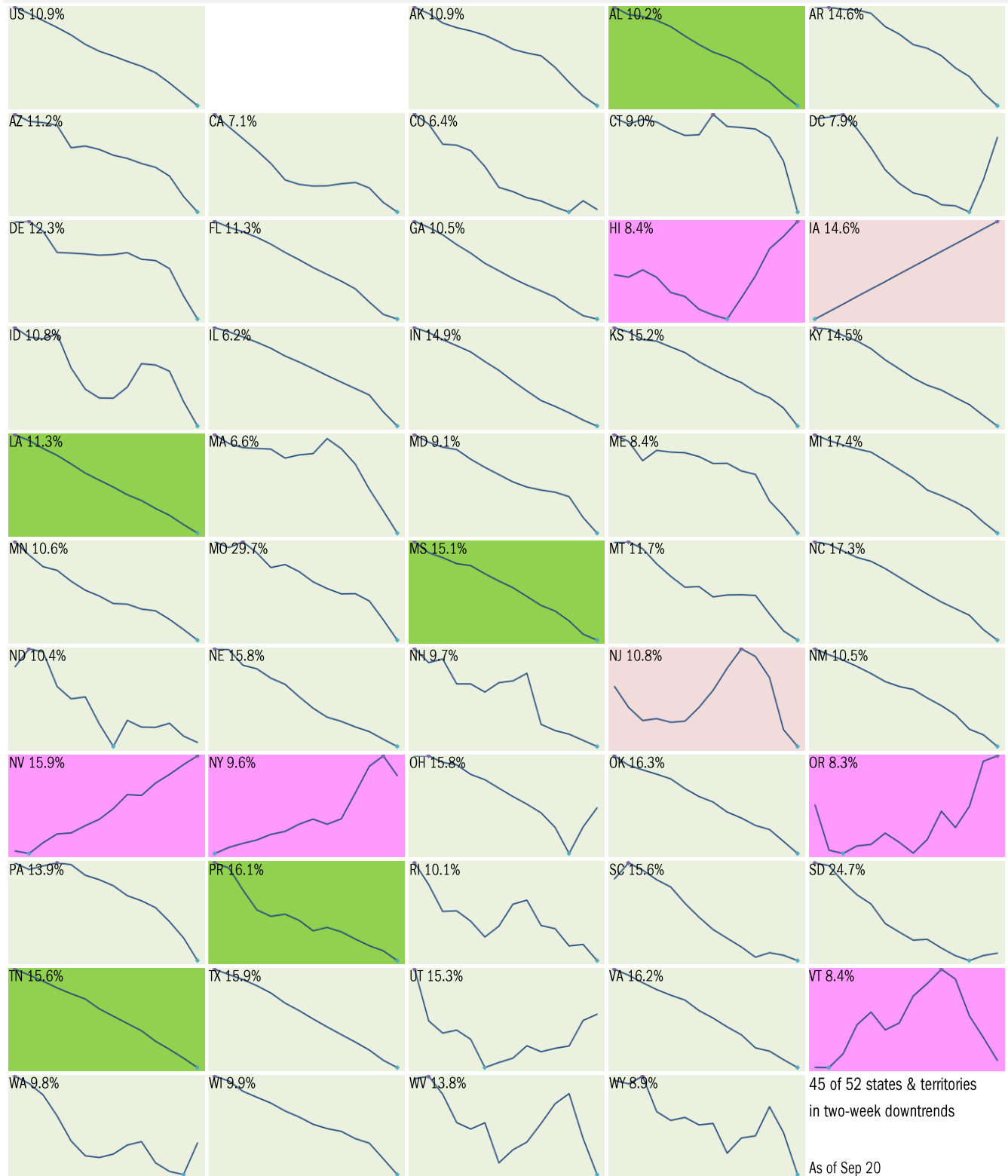


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

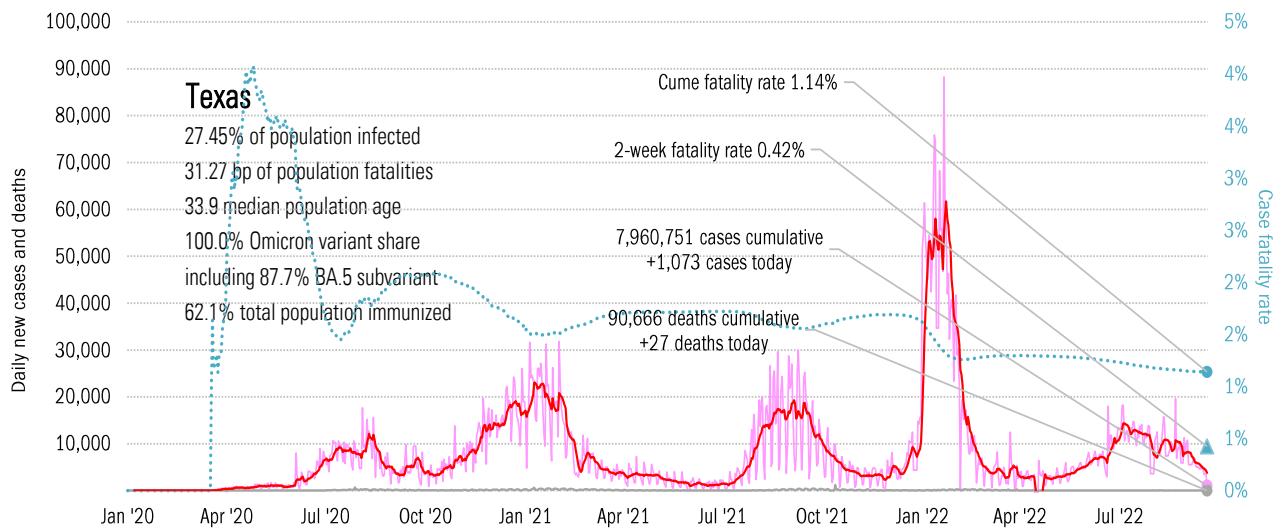
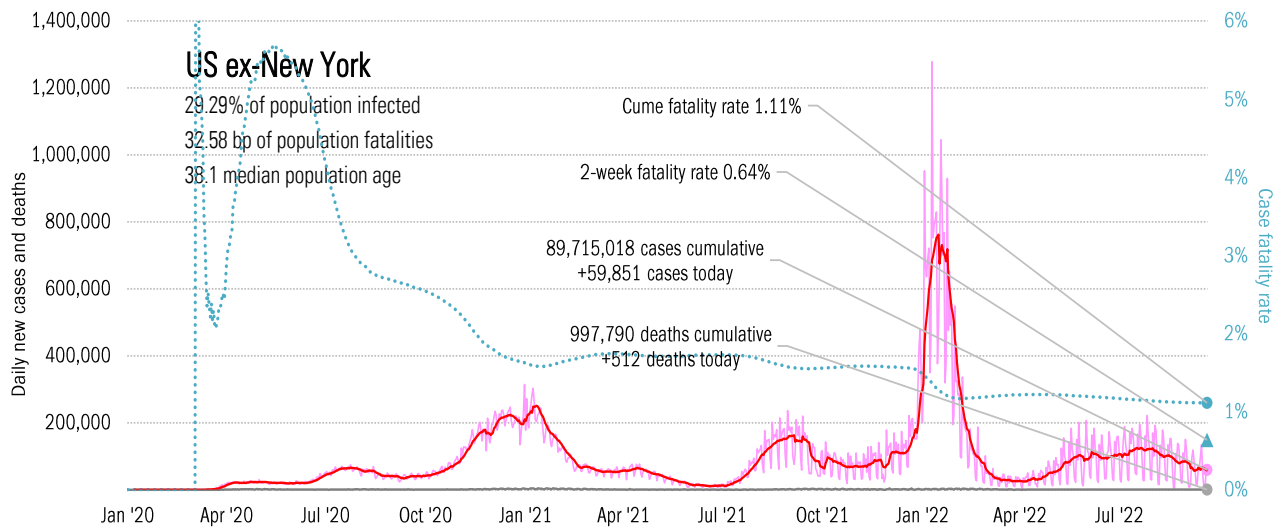
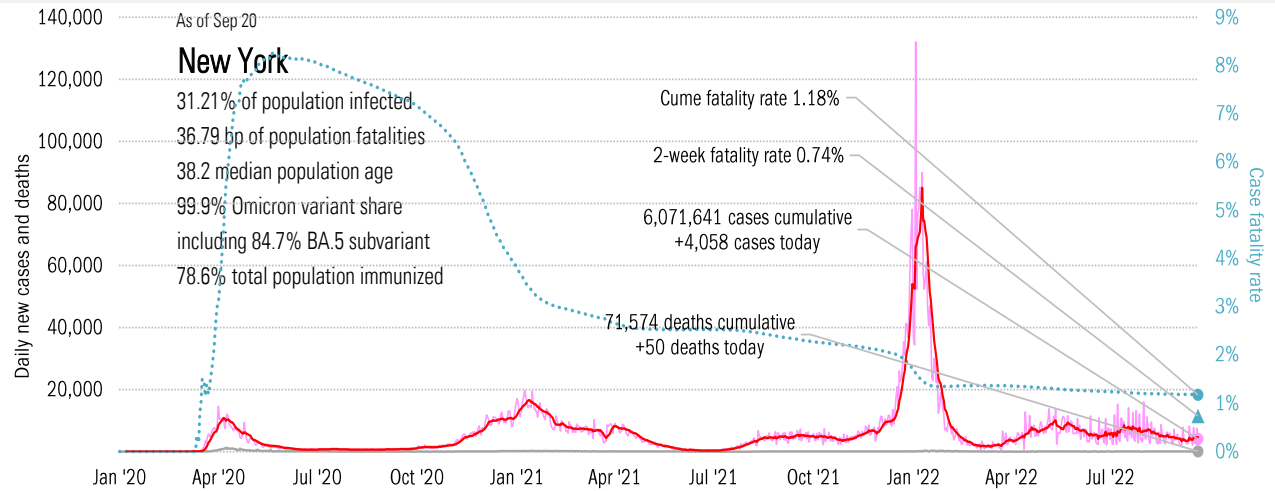
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

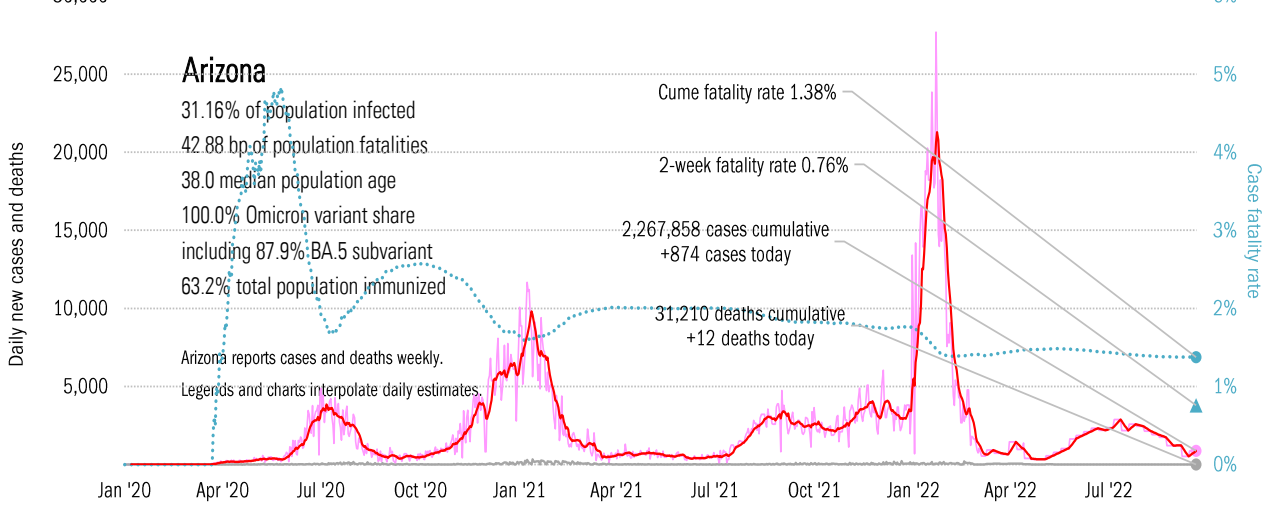
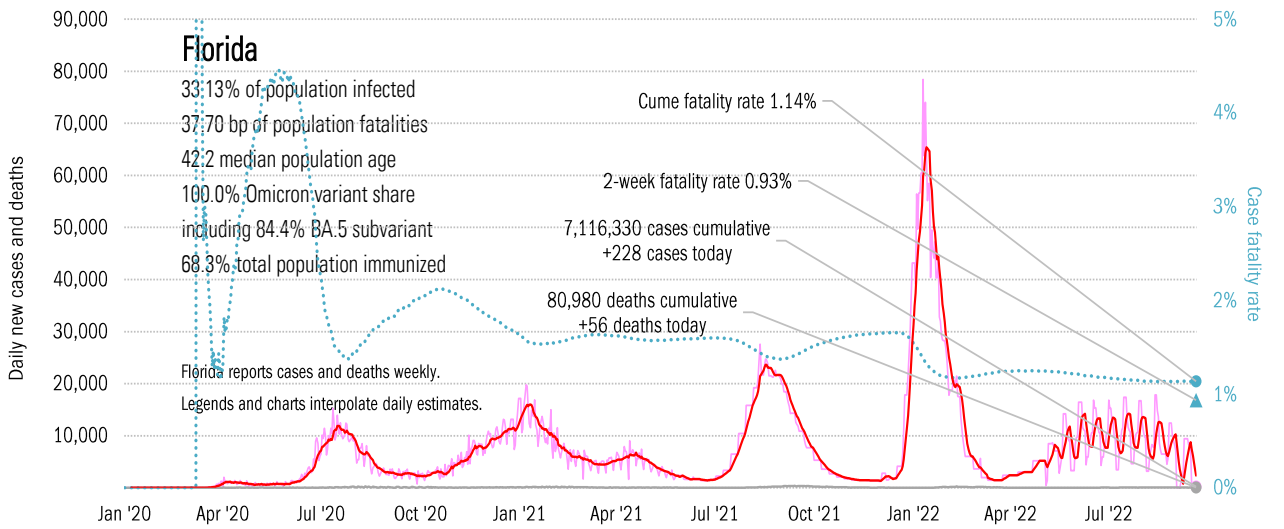
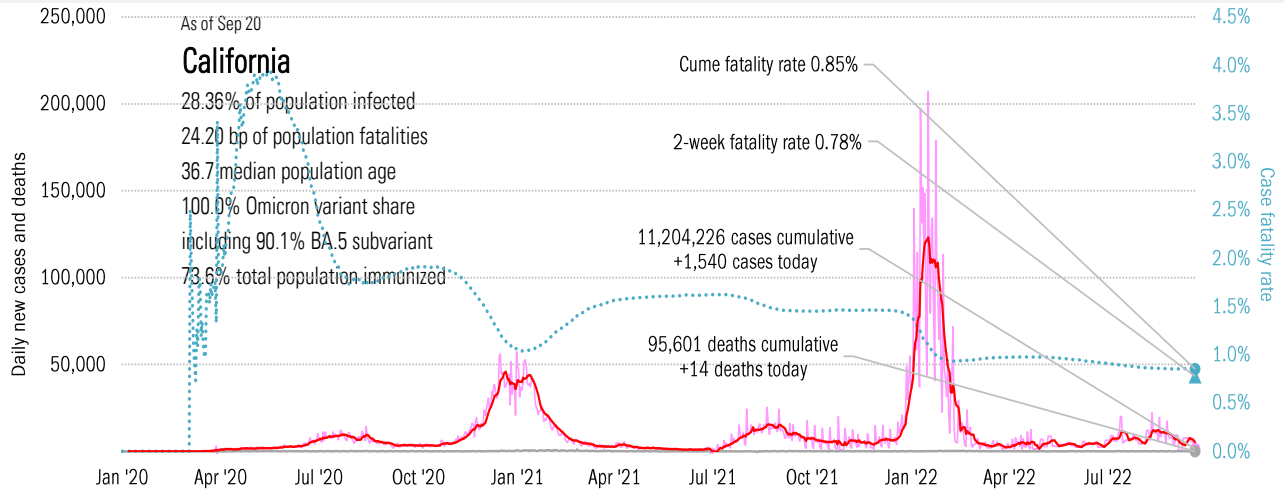
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

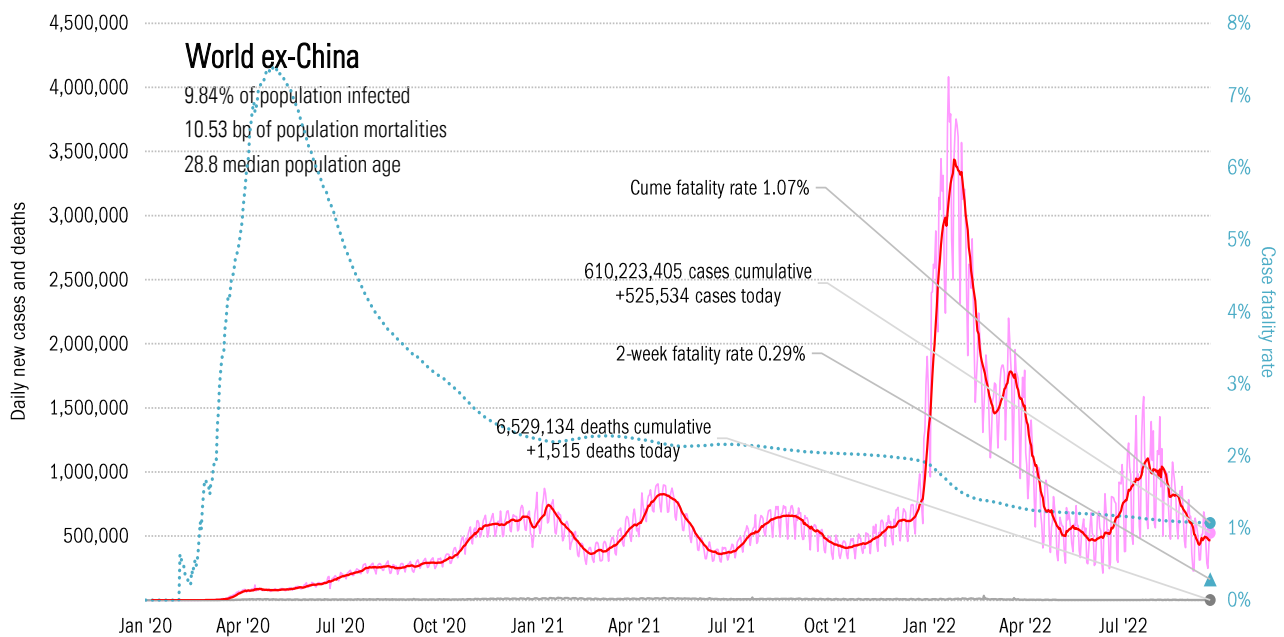
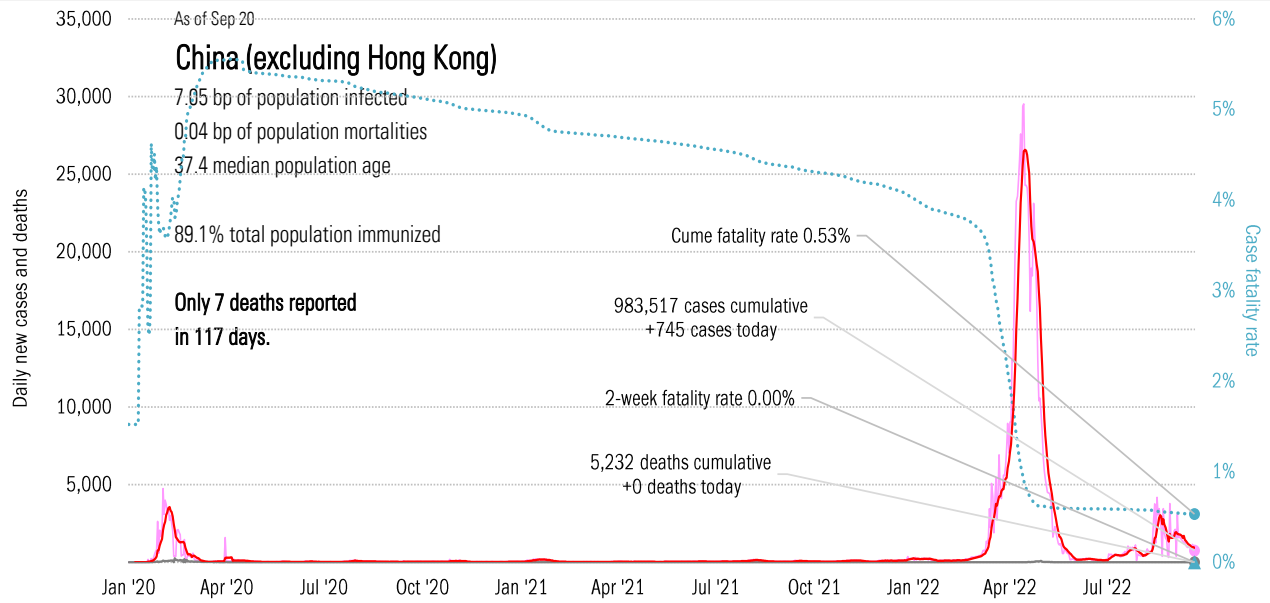
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

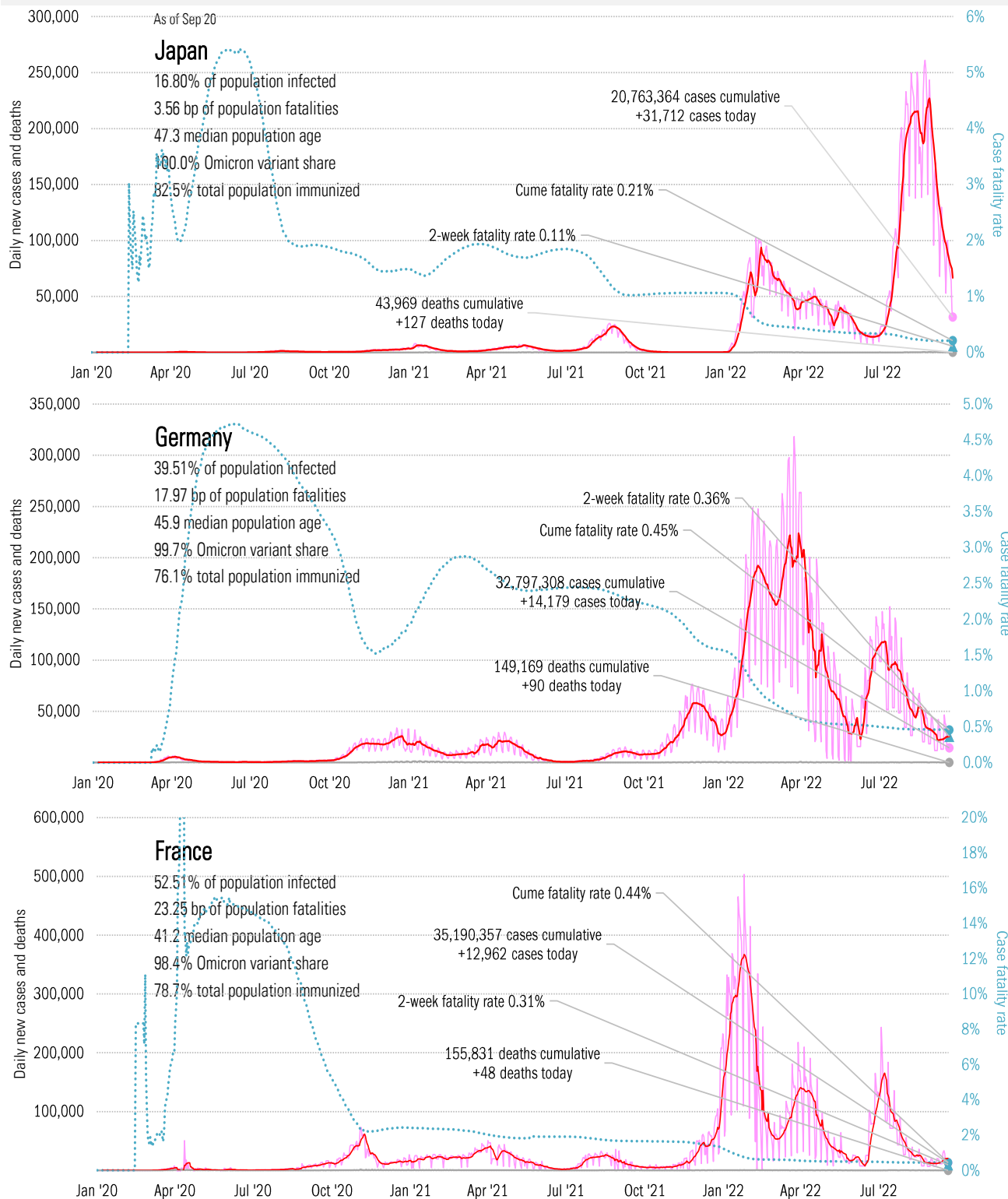
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

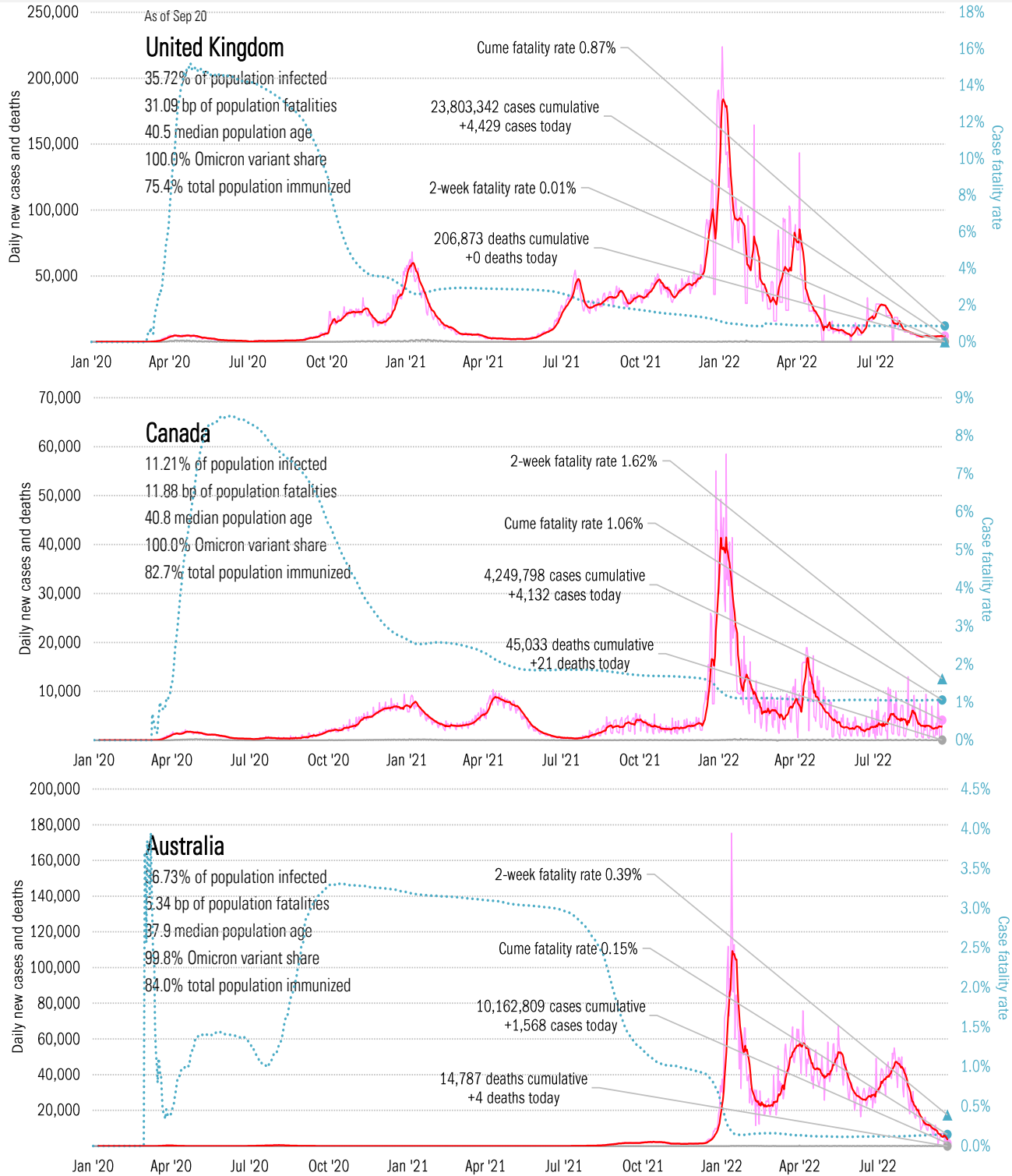
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

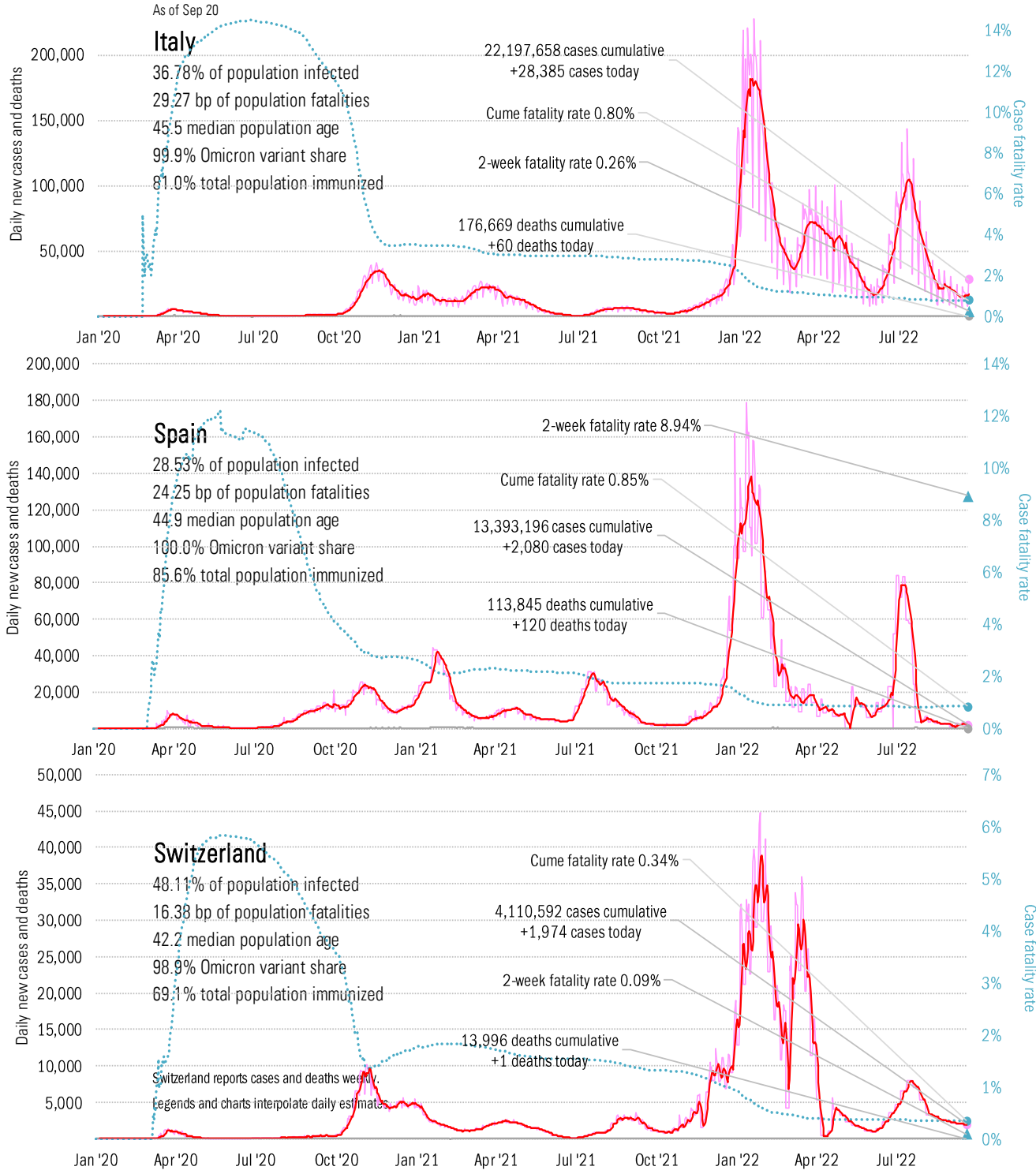
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

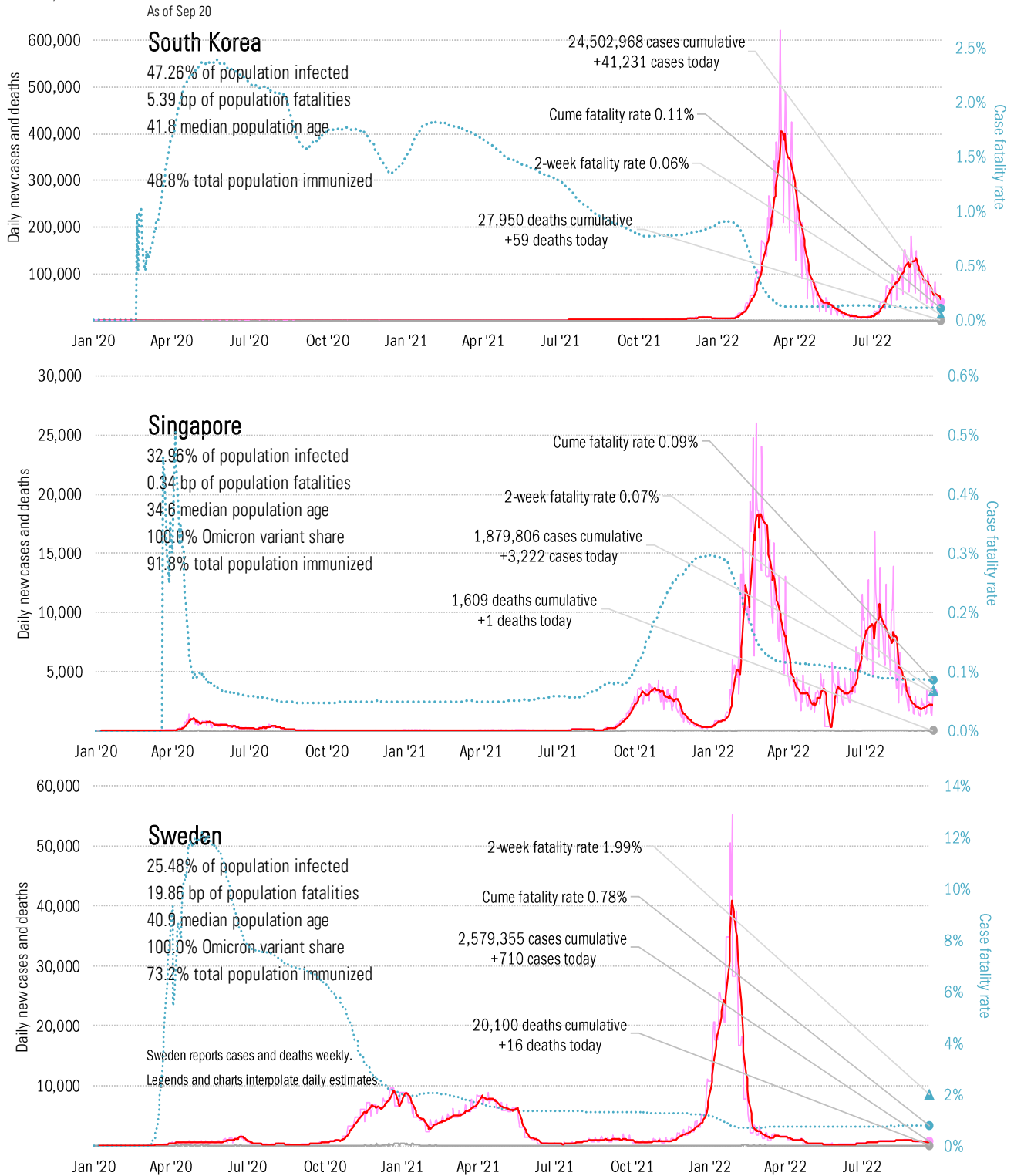
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

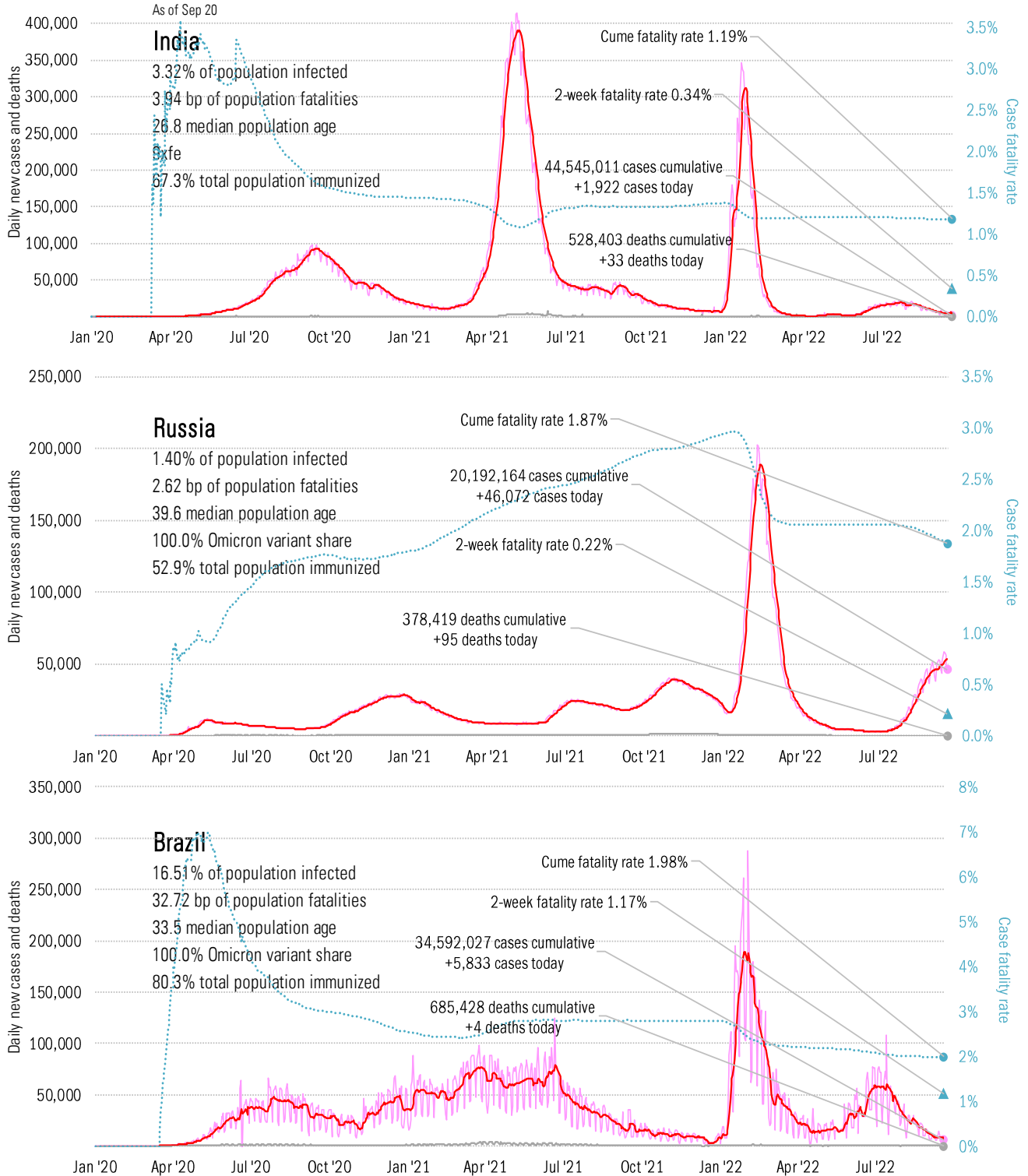
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

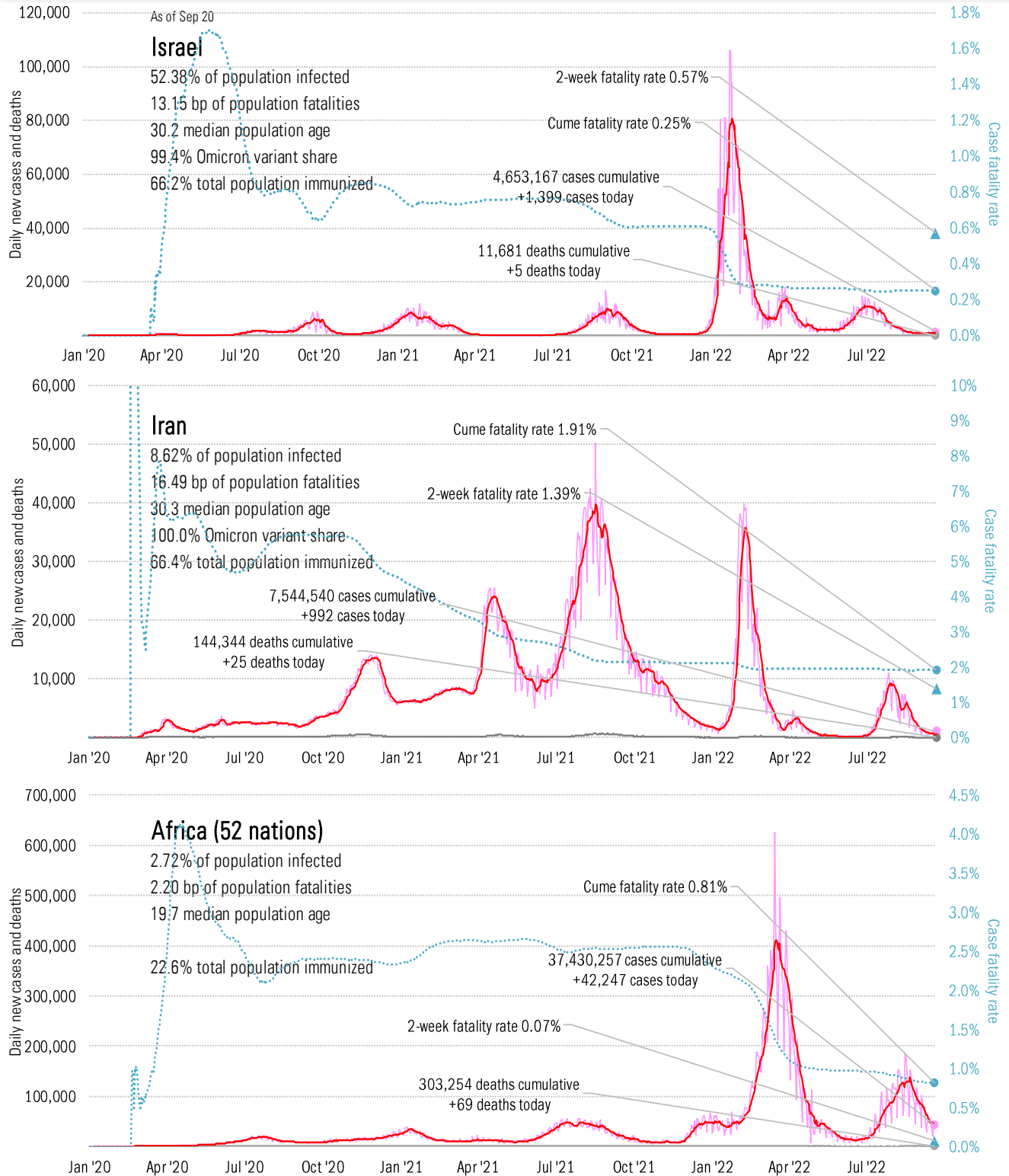
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

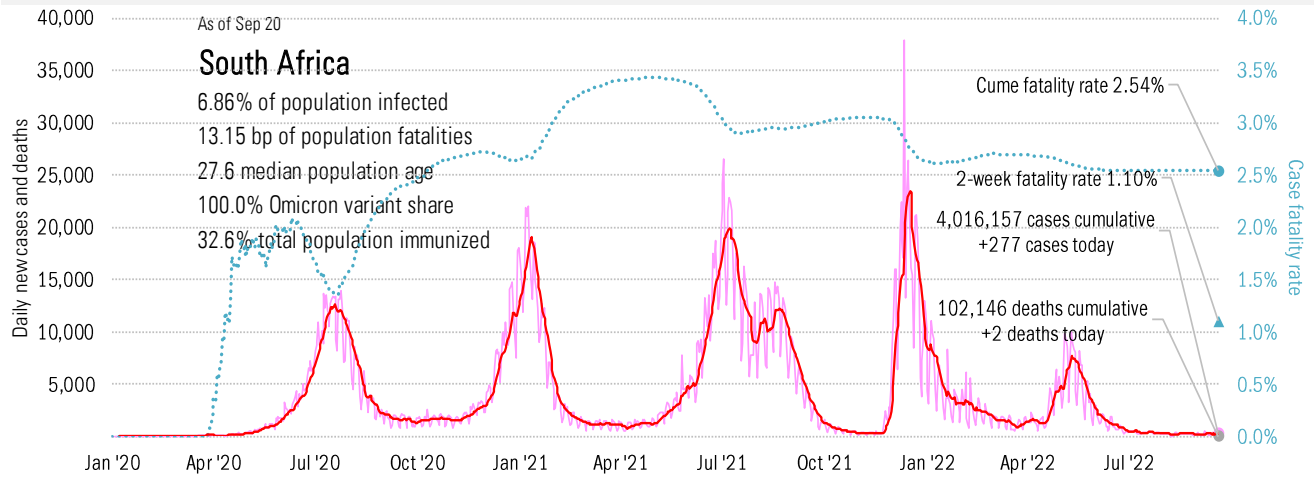
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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