

Data Insights: Covid-2019 Monitor

Sunday, September 11, 2022

The global scorecard

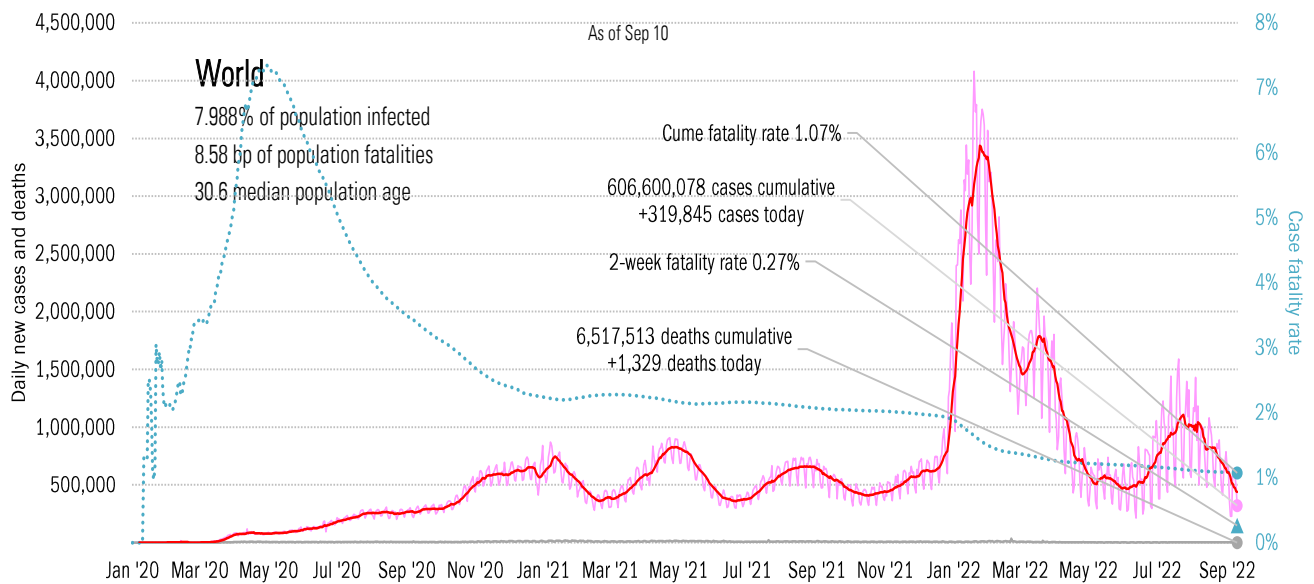
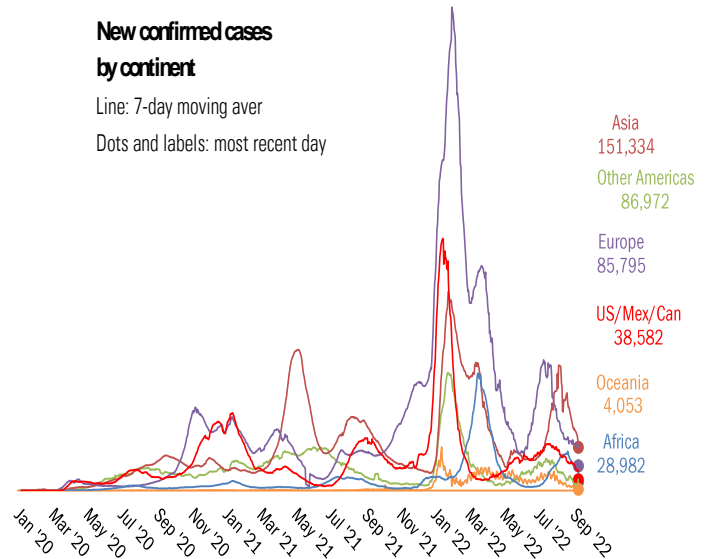
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

| New cases | | New Deaths | |
|----------------|---------|---------------|-------|
| United States | 102,827 | United States | 587 |
| Japan | 92,699 | Japan | 208 |
| Russia | 52,708 | Russia | 94 |
| Taiwan* | 35,801 | Mexico | 84 |
| Korea, South | 28,214 | Italy | 47 |
| Italy | 15,137 | Korea, South | 47 |
| Mexico | 10,049 | Philippines | 39 |
| India | 5,076 | Taiwan* | 30 |
| Poland | 4,970 | Chile | 28 |
| Chile | 4,548 | Croatia | 20 |
| 352,029 | | 1,184 | |
| World | 319,845 | World | 1,329 |
| Top ten | 110% | Top ten | 89% |

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

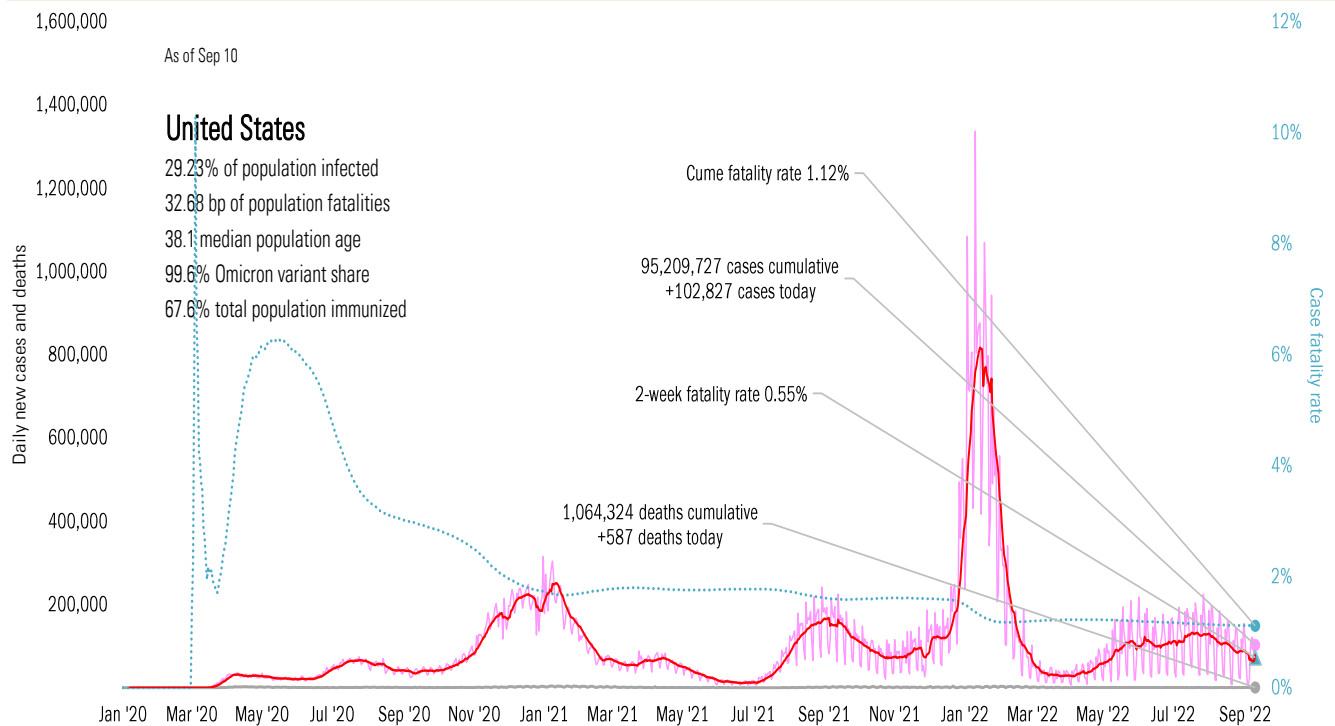
The ten worst US states

| New cases | | | New deaths | | | New in hospital | | | Cume cases | | | Cume deaths | | | Cume in hospital | | | Hospital use | | ICU use | |
|------------|---------|--|------------|----|--|-----------------|-----|--|------------|------------|--|-------------|--------|--|------------------|---------|--|--------------|-----|---------|-----|
| PA | 15,988 | | MI | 83 | | TX | 403 | | CA | 11,166,567 | | CA | 95,311 | | TX | 539,971 | | RI | 91% | AK | 87% |
| CA | 10,910 | | FL | 81 | | PA | 214 | | TX | 7,912,298 | | TX | 90,495 | | CA | 492,906 | | MA | 88% | RI | 87% |
| FL | 9,423 | | IN | 43 | | GA | 169 | | FL | 7,072,909 | | FL | 80,415 | | FL | 487,417 | | WA | 86% | NC | 84% |
| MO | 7,340 | | TX | 35 | | IL | 207 | | NY | 6,024,729 | | NY | 71,311 | | NY | 293,919 | | MN | 85% | MA | 84% |
| TX | 6,759 | | MO | 34 | | MI | 172 | | IL | 3,716,318 | | PA | 46,831 | | GA | 223,655 | | MO | 85% | AL | 84% |
| VA | 3,734 | | VA | 29 | | NC | 148 | | PA | 3,202,811 | | GA | 39,875 | | CH | 214,701 | | GA | 84% | WA | 83% |
| IL | 3,310 | | WV | 21 | | CT | 56 | | NC | 3,141,302 | | CH | 39,576 | | PA | 200,329 | | DC | 84% | TX | 83% |
| CH | 3,104 | | IL | 19 | | CA | 493 | | CH | 3,096,557 | | IL | 39,445 | | IL | 183,606 | | MD | 84% | NM | 83% |
| NC | 2,926 | | WA | 19 | | MT | 26 | | GA | 2,883,318 | | MI | 38,121 | | MI | 159,740 | | DE | 83% | NH | 82% |
| MI | 2,642 | | PA | 16 | | OK | 87 | | MI | 2,786,213 | | NJ | 34,623 | | KY | 143,349 | | ND | 83% | VT | 82% |
| 66,137 | | | 380 | | | 1,975 | | | 51,003,022 | | | 576,003 | | | 2,939,593 | | | | | | |
| All states | 102,827 | | 587 | | | 4,615 | | | All states | 95,209,727 | | 1,064,324 | | | 5,332,784 | | | All states | 70% | 67% | |
| Top ten | 64% | | 65% | | | 43% | | | Top ten | 54% | | 55% | | | 55% | | | Median | 77% | 73% | |

Some states not reporting

Five most improved US states

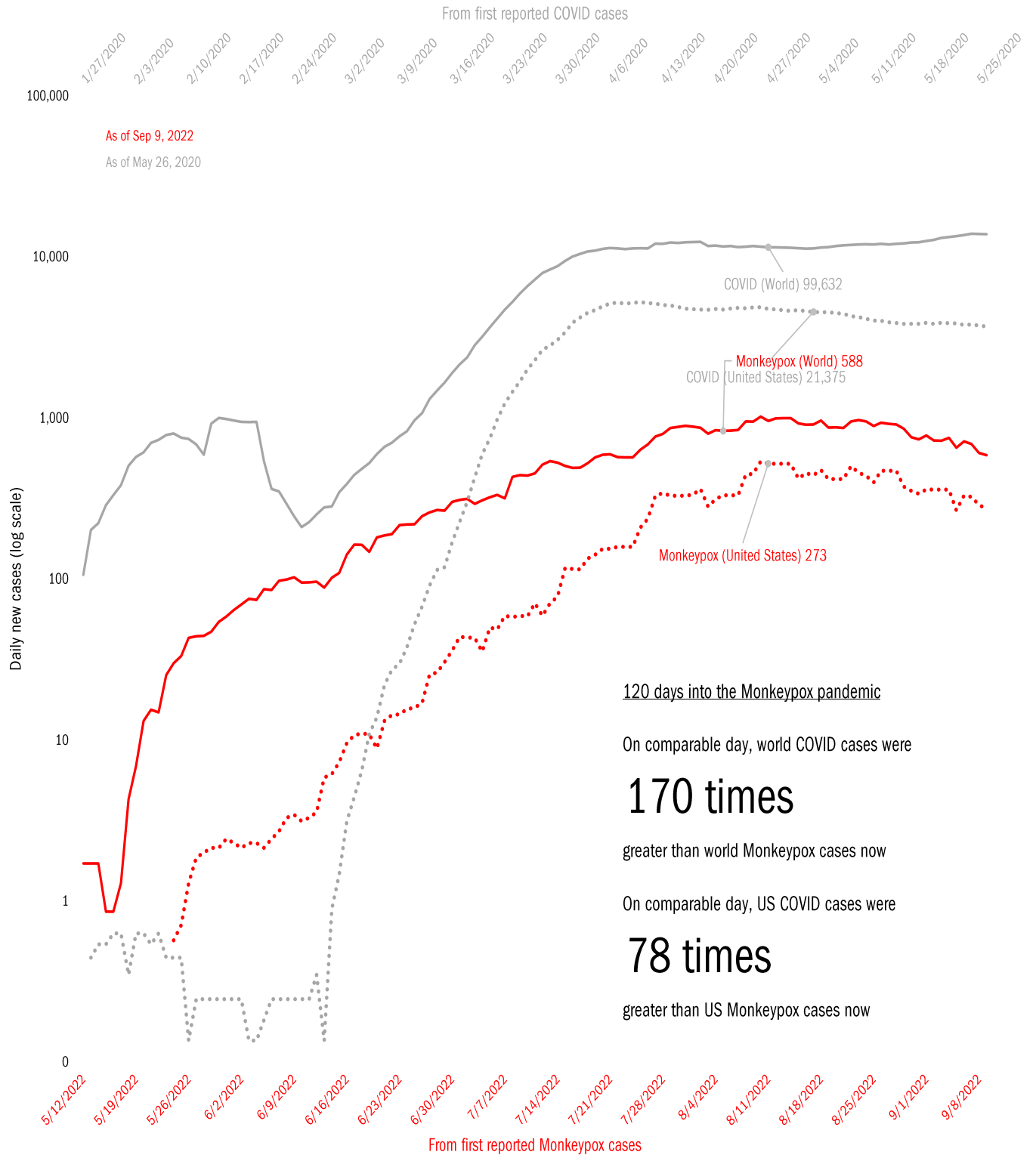
| Fewer daily cases | | Fewer new deaths | | Fewer new hospitalizations | |
|-------------------|------|------------------|------|----------------------------|-----|
| AR | -373 | CA | -115 | KY | -80 |
| NY | -224 | NJ | -7 | VA | -34 |
| ME | -25 | AK | 0 | AL | -33 |
| CT | -4 | AL | 0 | LA | -22 |
| AK | 0 | AZ | 0 | IA | -21 |



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

The Monkeypox contextualizer

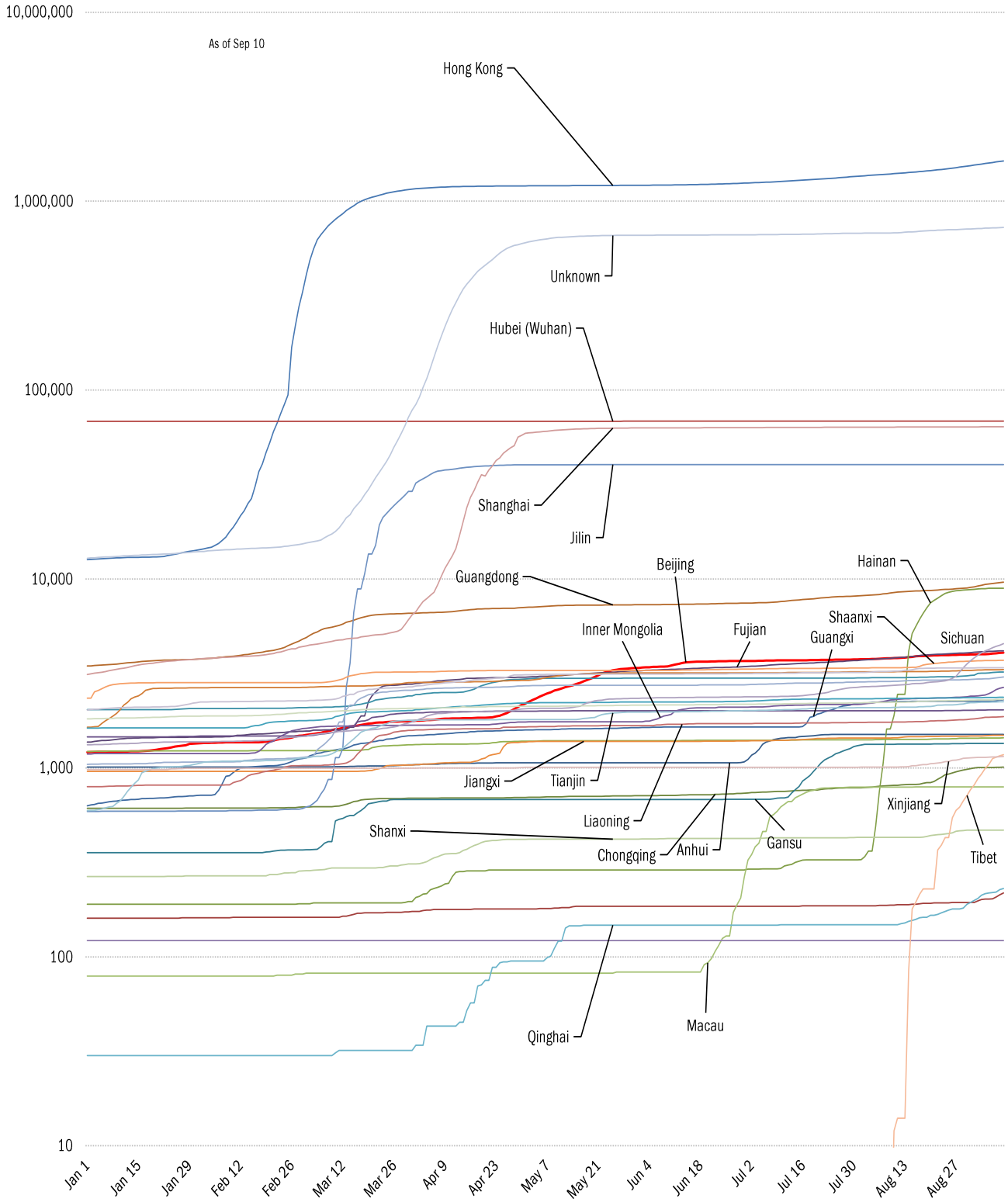
The course of case growth versus COVID



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

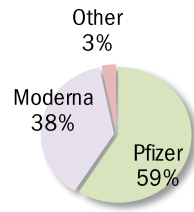
Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered | Cumulative | Today | Immunity | Full | Partial |
|-------------------|-----------------|----------------|---------------|--------------|-------------------------|
| Doses | 626,104,628 | +0.099 million | US | 67.6% | 79.3% |
| of which boosters | 111,089,927 | +0.022 million | UK | 75.4% | 80.0% |
| | One dose | % Pop | Immune | % pop | New immune today |
| Total population | 271,287,274 | 81% | 230,903,498 | 69% | +0.037 million |
| Age 12 to 17 | 18,165,772 | 72% | 15,521,542 | 61% | +0.003 million |
| Age 18 to 64 | 181,000,884 | 89% | 153,748,856 | 76% | +0.010 million |
| Age 65 and over | 59,742,433 | 100% | 52,263,684 | 95% | +0.002 million |

| | | |
|-----------|-------|-------|
| France | 78.7% | 80.9% |
| Spain | 85.6% | 87.0% |
| Germany | 76.1% | 77.7% |
| Italy | 81.0% | 85.8% |
| Australia | 84.0% | 86.5% |
| Israel | 66.2% | 72.3% |
| Canada | 82.7% | 86.8% |
| Japan | 82.5% | 83.6% |
| Africa | 22.2% | 28.1% |
| India | 67.1% | 72.8% |
| Brazil | 80.2% | 87.1% |
| China | 89.1% | 91.4% |

Global data differs due to sources, timing



| State |
|-------|
| AK |
| 71.5% |
| 63.4% |

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

"Immunity" = two doses

Best

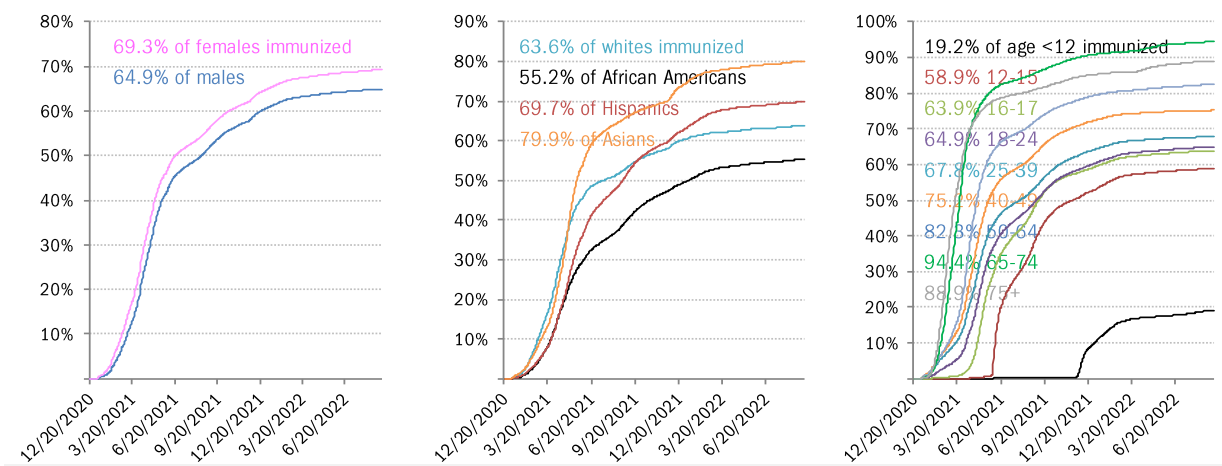
Middle

Worst

As of Sep 9

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| WA | ID | MT | ND | MN | IL | MI | NY | VT | NH | |
| 82.9% | 62.5% | 66.6% | 67.1% | 76.8% | 77.3% | 68.1% | 92.1% | 95.0% | 90.7% | |
| 73.8% | 55.2% | 57.9% | 56.7% | 70.4% | 69.6% | 61.1% | 78.5% | 82.9% | 72.4% | |
| OR | NV | WY | SD | IA | IN | OH | PA | NJ | MA | |
| 79.4% | 77.0% | 59.3% | 79.3% | 69.2% | 63.2% | 64.5% | 87.6% | 92.4% | 95.0% | |
| 70.7% | 62.0% | 51.9% | 63.7% | 63.0% | 56.9% | 59.3% | 70.6% | 77.2% | 80.9% | |
| CA | UT | CO | NE | MO | KY | WV | VA | MD | CT | RI |
| 84.1% | 73.8% | 81.4% | 71.8% | 67.7% | 67.5% | 66.3% | 88.0% | 89.0% | 95.0% | 95.0% |
| 73.5% | 65.4% | 71.6% | 64.8% | 57.3% | 58.4% | 58.7% | 74.7% | 77.4% | 80.8% | 85.0% |
| AZ | NM | KS | AR | TN | NC | SC | DC | DE | | |
| 75.5% | 90.5% | 74.2% | 68.3% | 63.4% | 87.3% | 69.4% | 95.0% | 85.4% | | |
| 63.2% | 72.8% | 63.4% | 55.6% | 55.4% | 63.5% | 58.4% | 79.0% | 70.9% | | |
| OK | LA | MS | AL | GA | | | | | | |
| 72.7% | 62.1% | 60.9% | 64.0% | 67.0% | | | | | | |
| 58.7% | 54.4% | 53.0% | 52.2% | 56.1% | | | | | | |
| TX | | | | | | | | | | |
| 74.6% | | | | | | | | | | |
| 62.1% | | | | | | | | | | |
| HI | | | | | | | | | | |
| 89.5% | | | | | | | | | | |
| 79.7% | | | | | | | | | | |
| WI | | | | | | | | | | |
| 73.3% | | | | | | | | | | |
| 66.7% | | | | | | | | | | |
| ME | | | | | | | | | | |
| 93.3% | | | | | | | | | | |
| 81.3% | | | | | | | | | | |
| FL | | | | | | | | | | |
| 80.9% | | | | | | | | | | |
| 68.2% | | | | | | | | | | |
| PR | | | | | | | | | | |
| 95.0% | | | | | | | | | | |
| 84.6% | | | | | | | | | | |

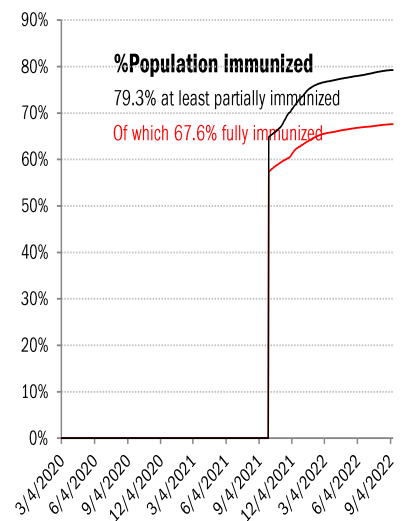
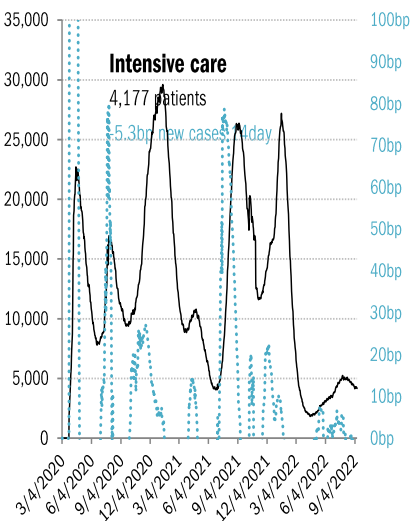
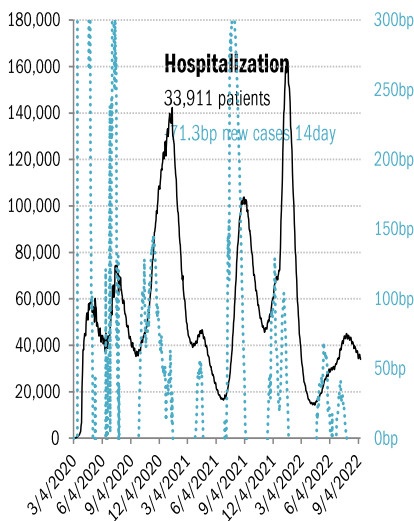
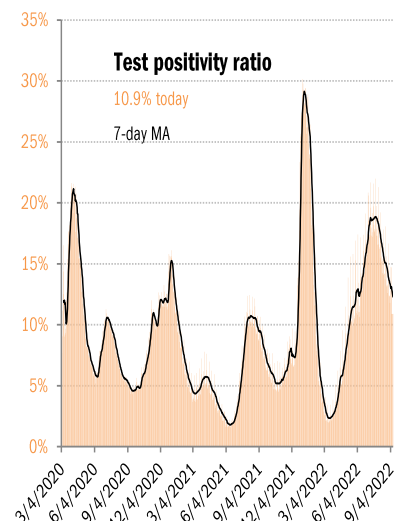
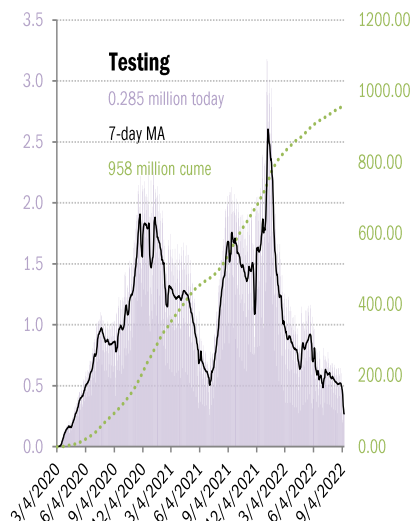
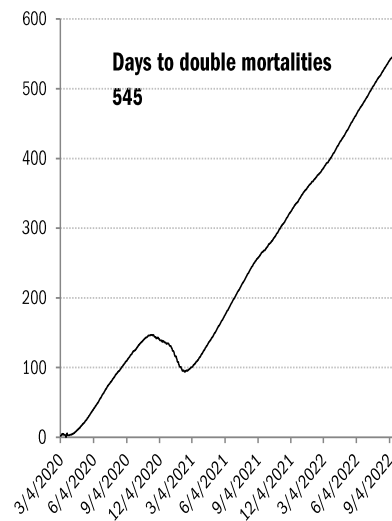
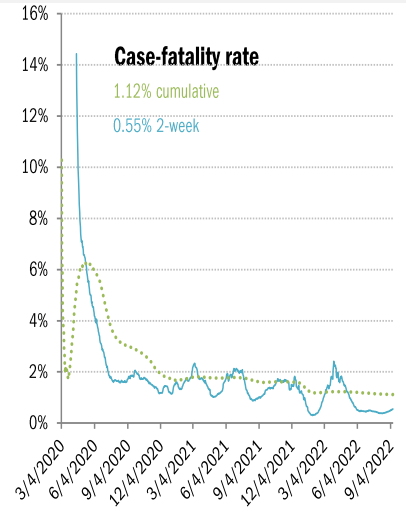
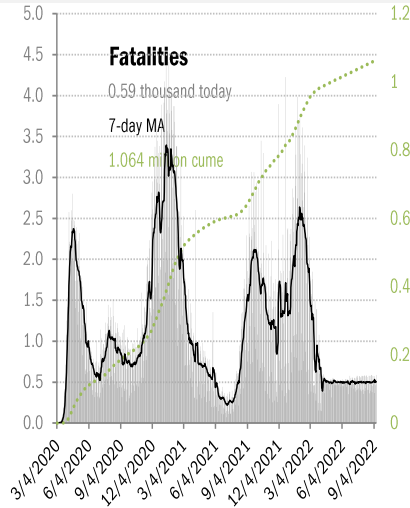
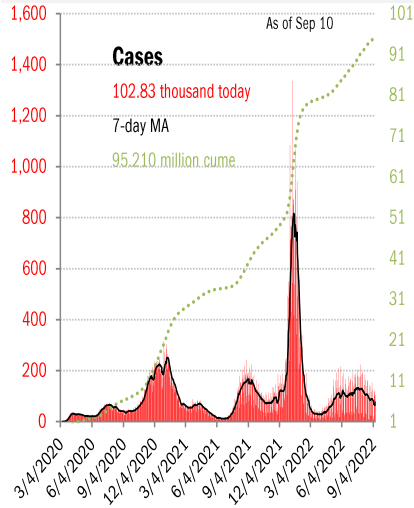
The demographics of US vaccination



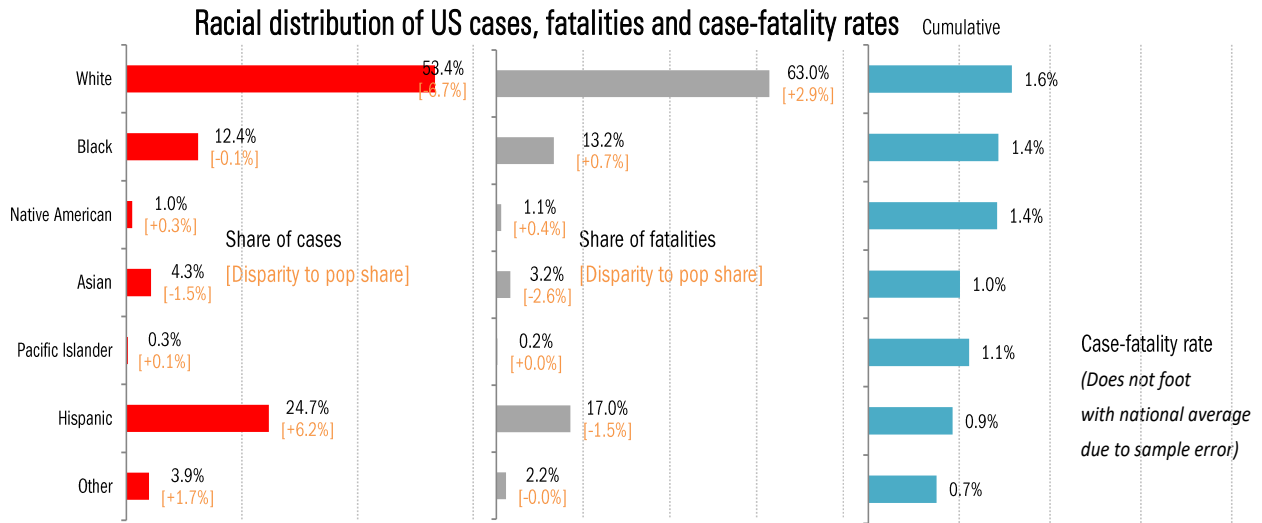
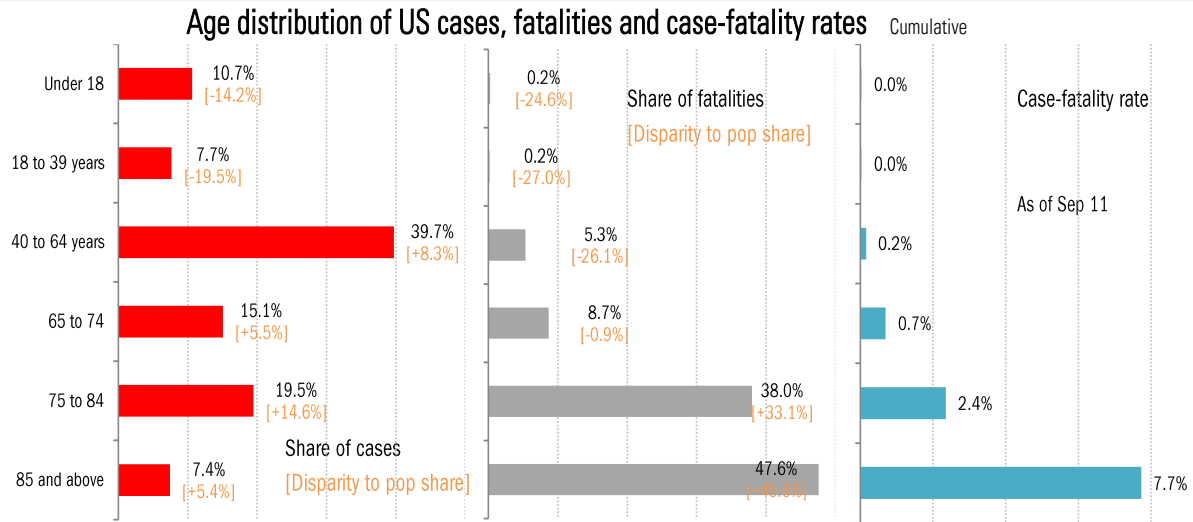
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

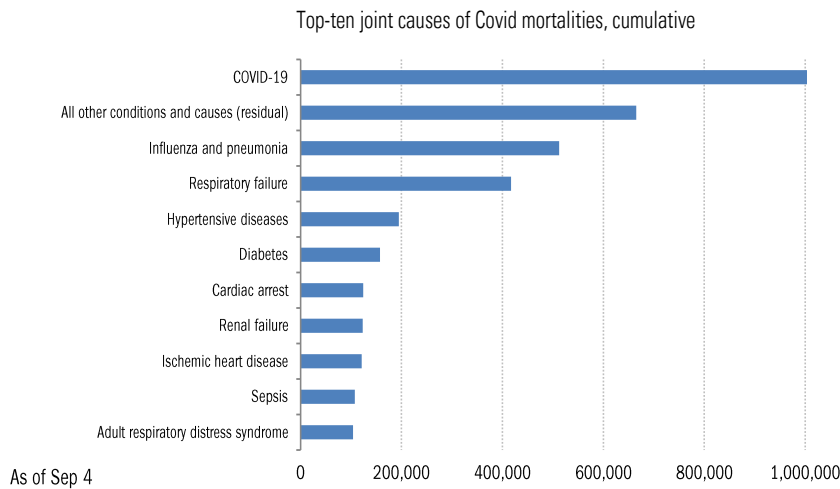
National and state-by-state data do not line up because of different sources



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



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

[UK Announces it Will No Longer Offer COVID Jabs to Children Under 12 Amid New Data That Shows Risks Outweigh Benefits](#)

Debra Heine
American Greatness
September 9, 2022

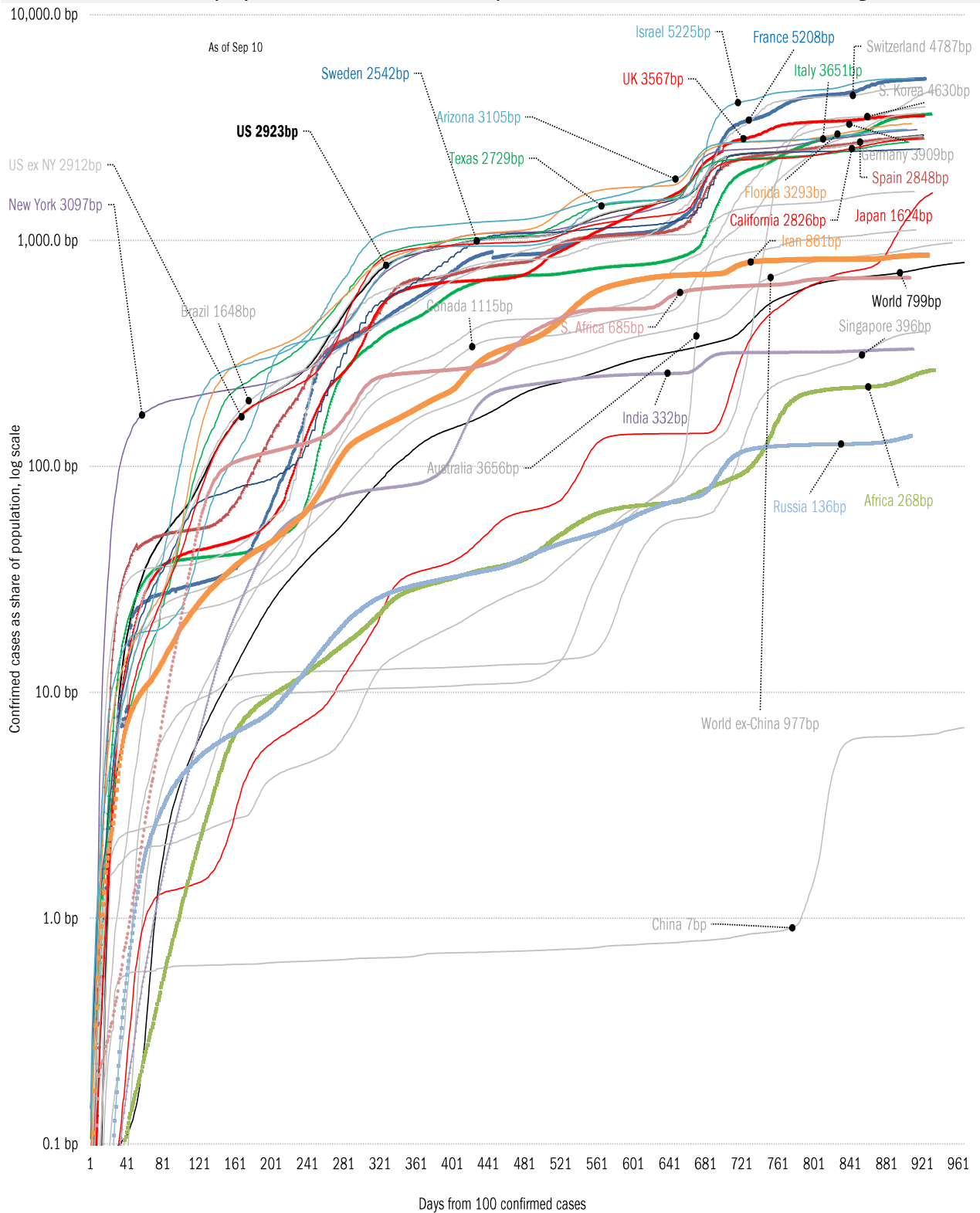
Meme of the day



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

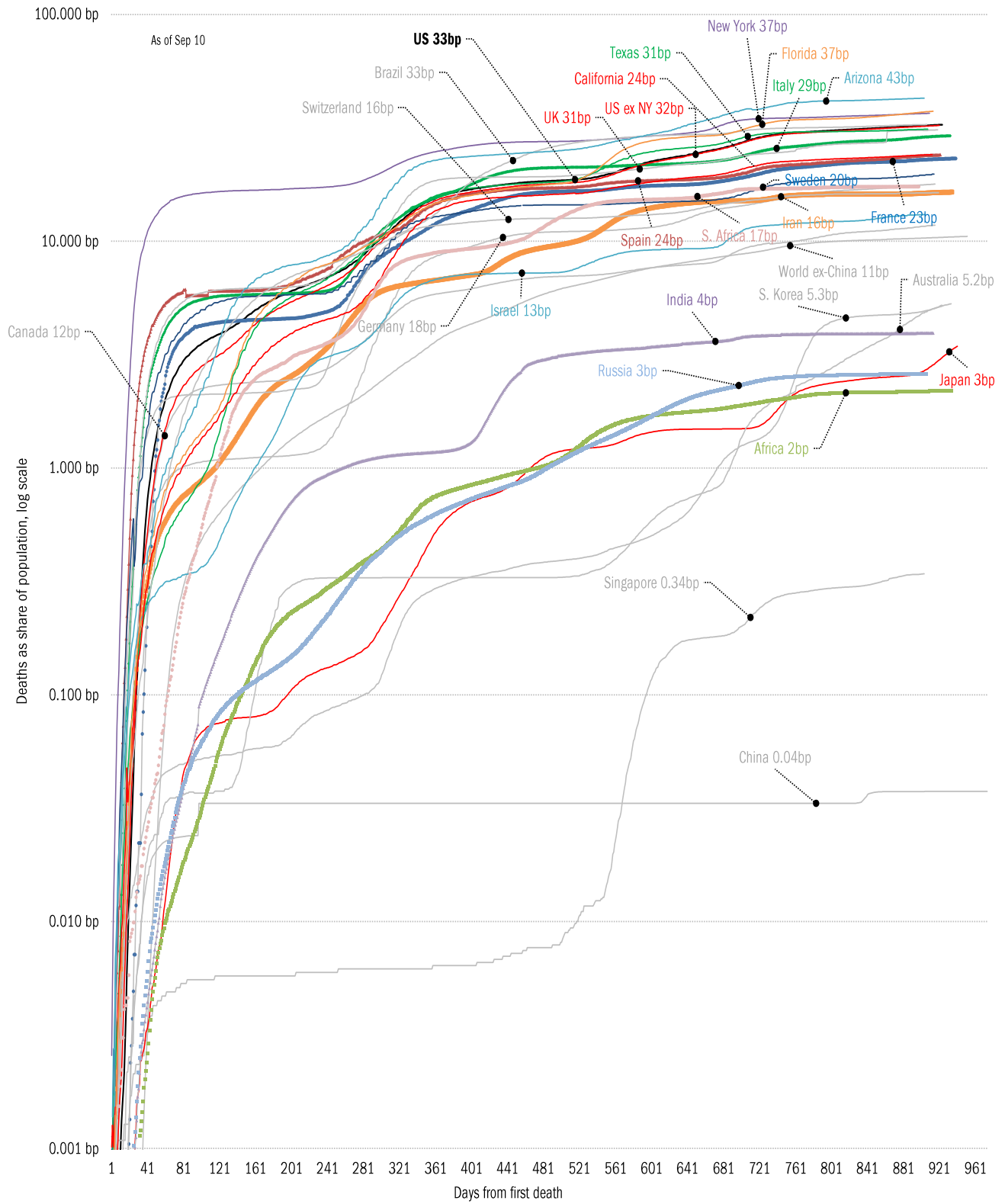
The global coronavirus case accelerometer... tracking the world's infection curves

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

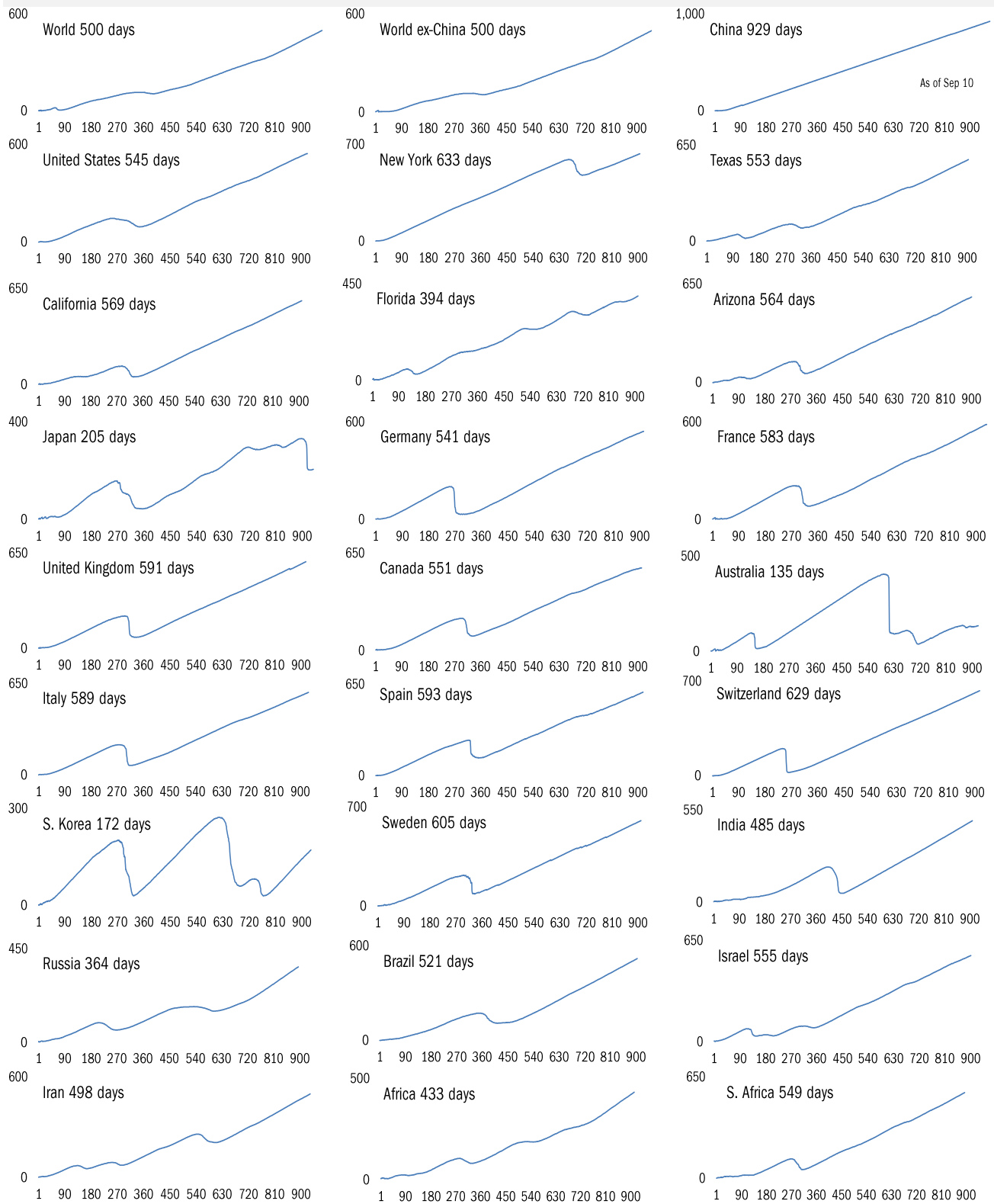


Source: [Johns Hopkins](#), TrendMacro calculations

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

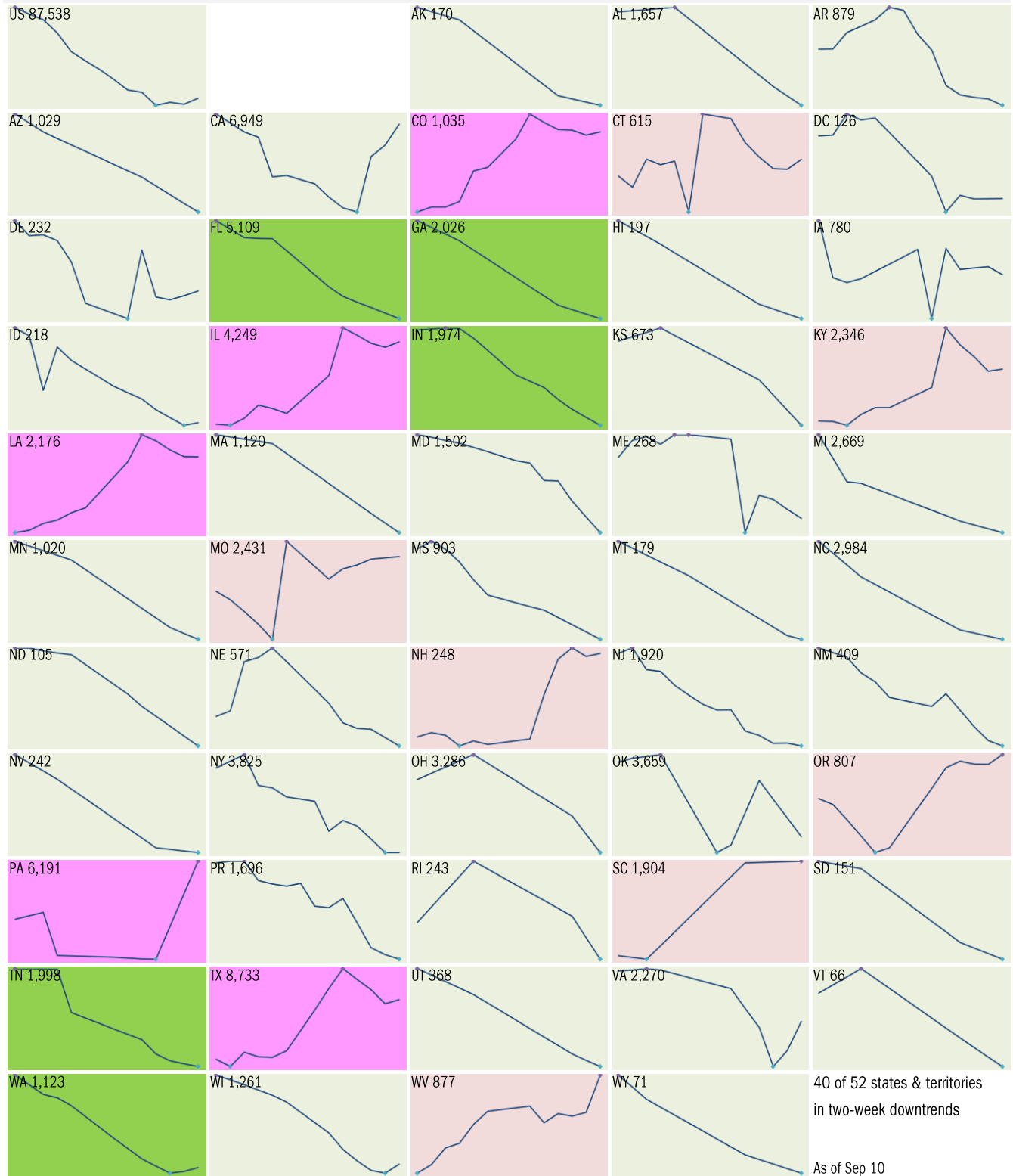


Source: [Johns Hopkins](#), TrendMacro calculations

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

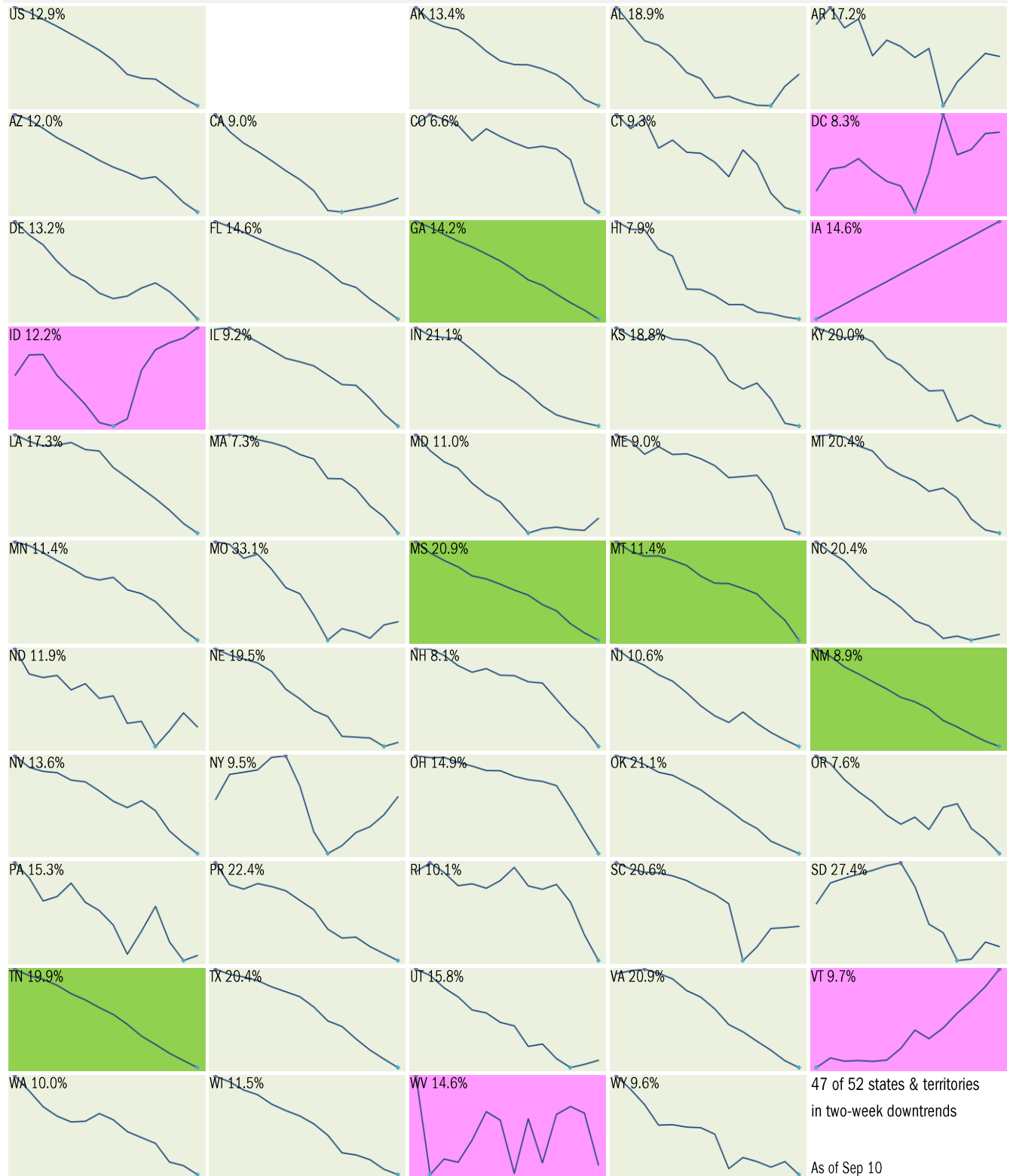


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

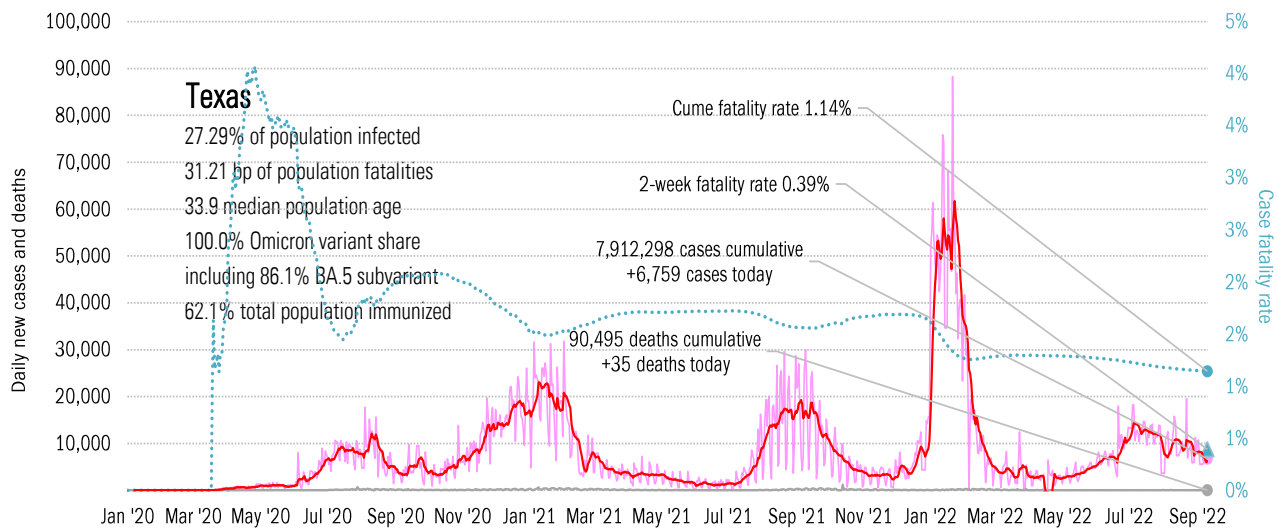
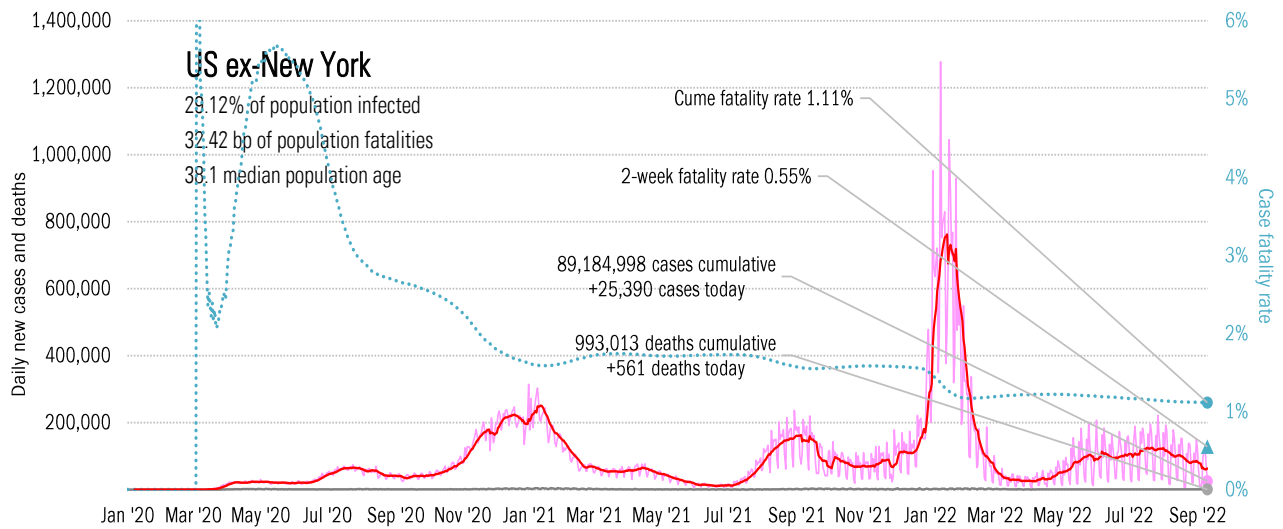
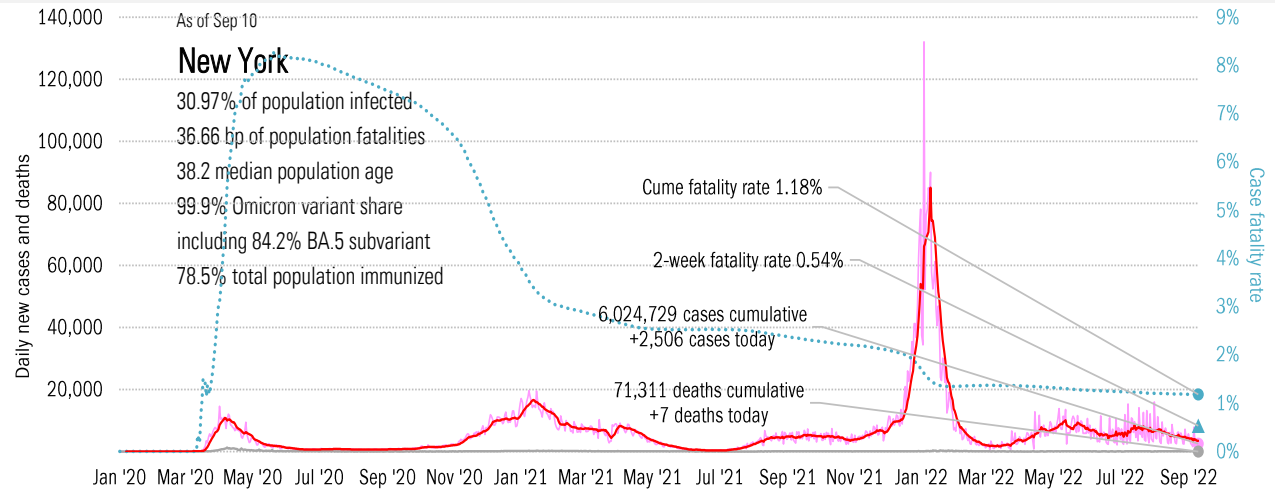
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

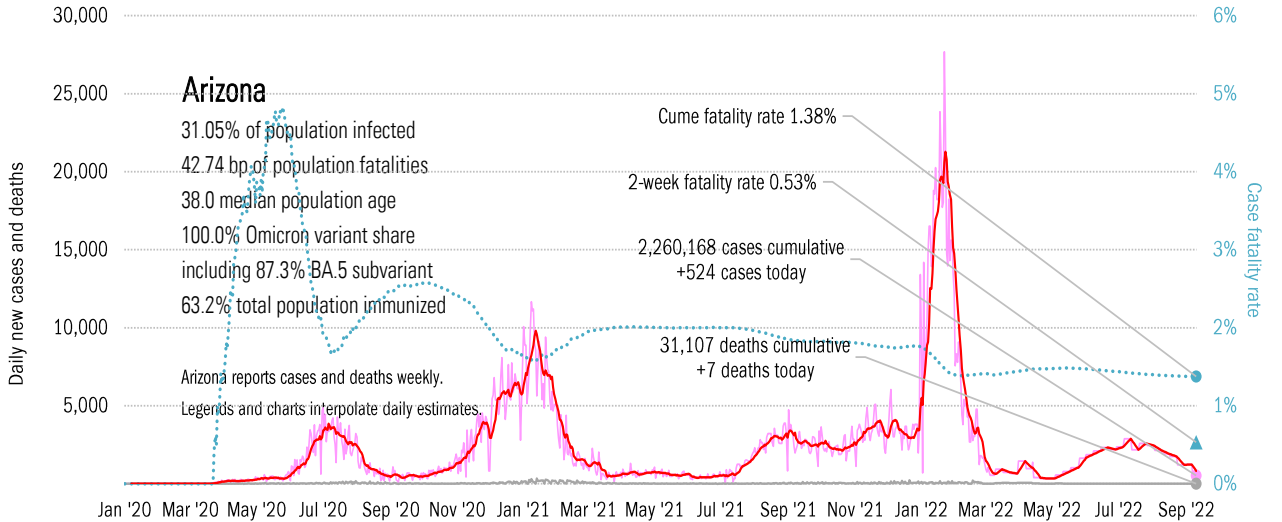
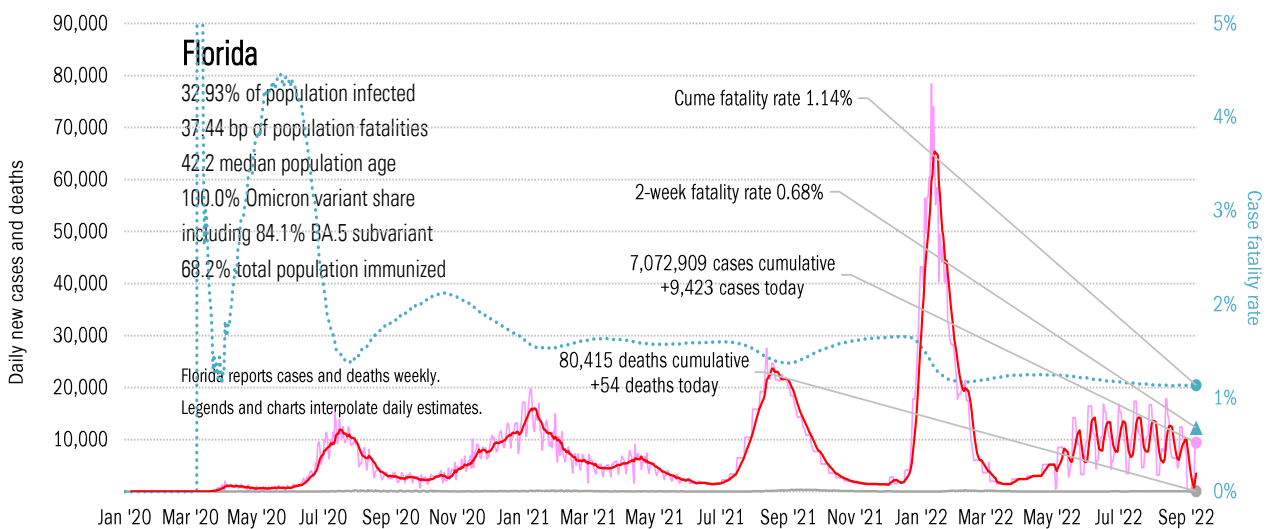
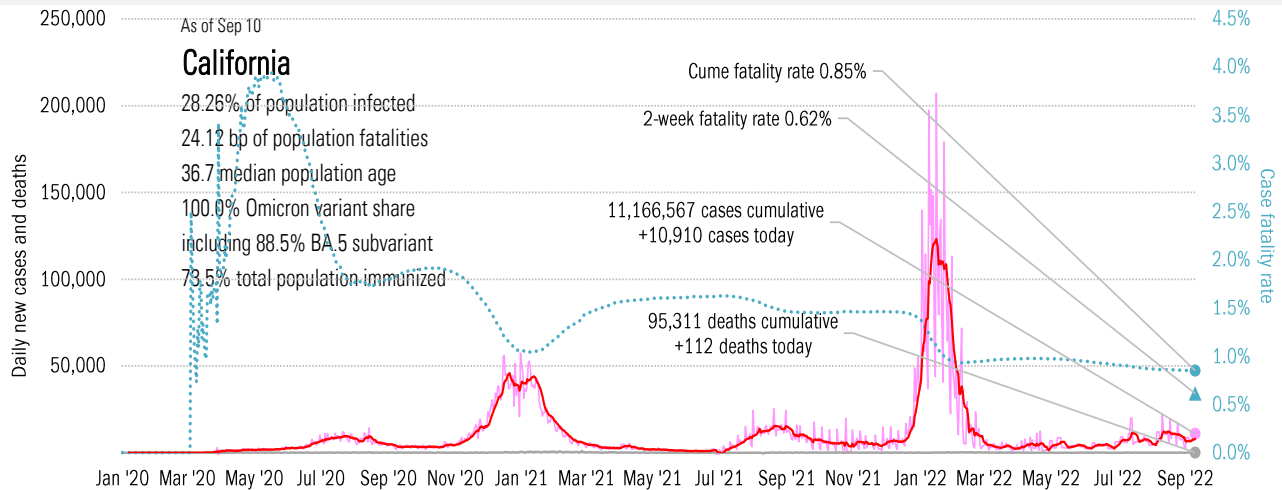
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

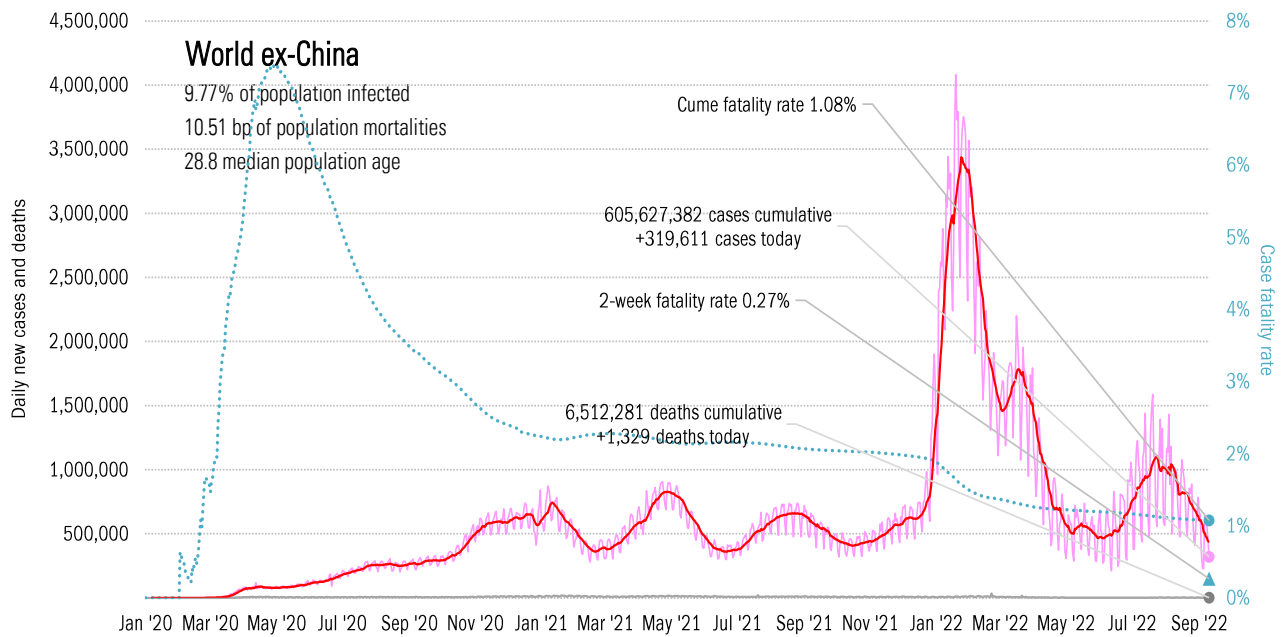
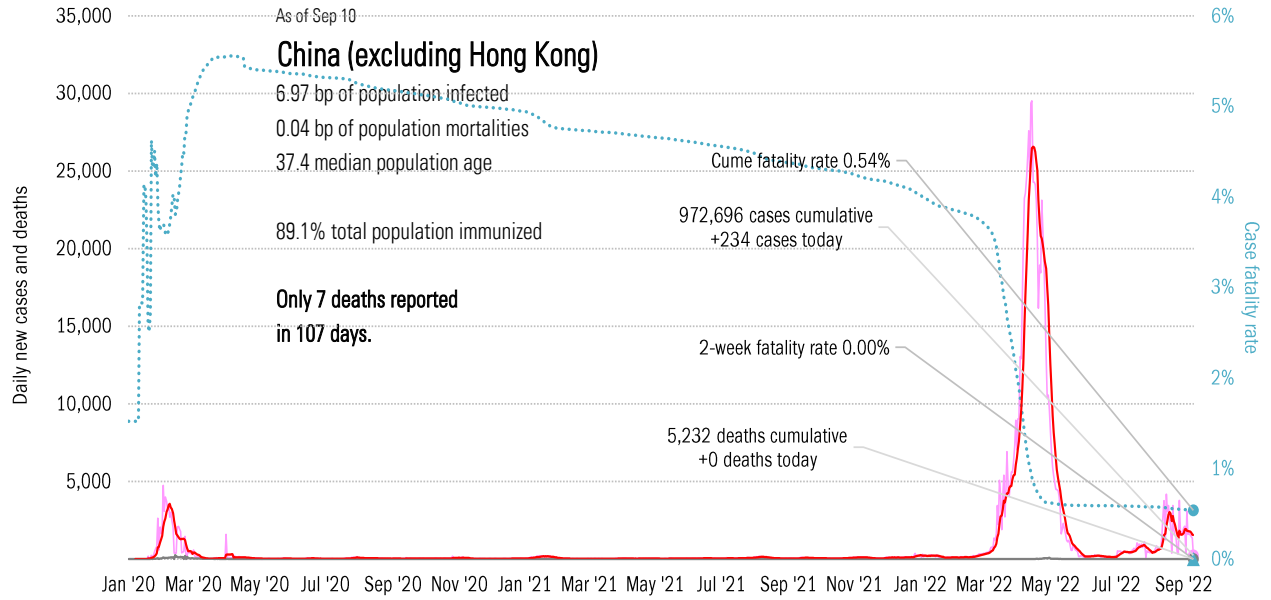
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

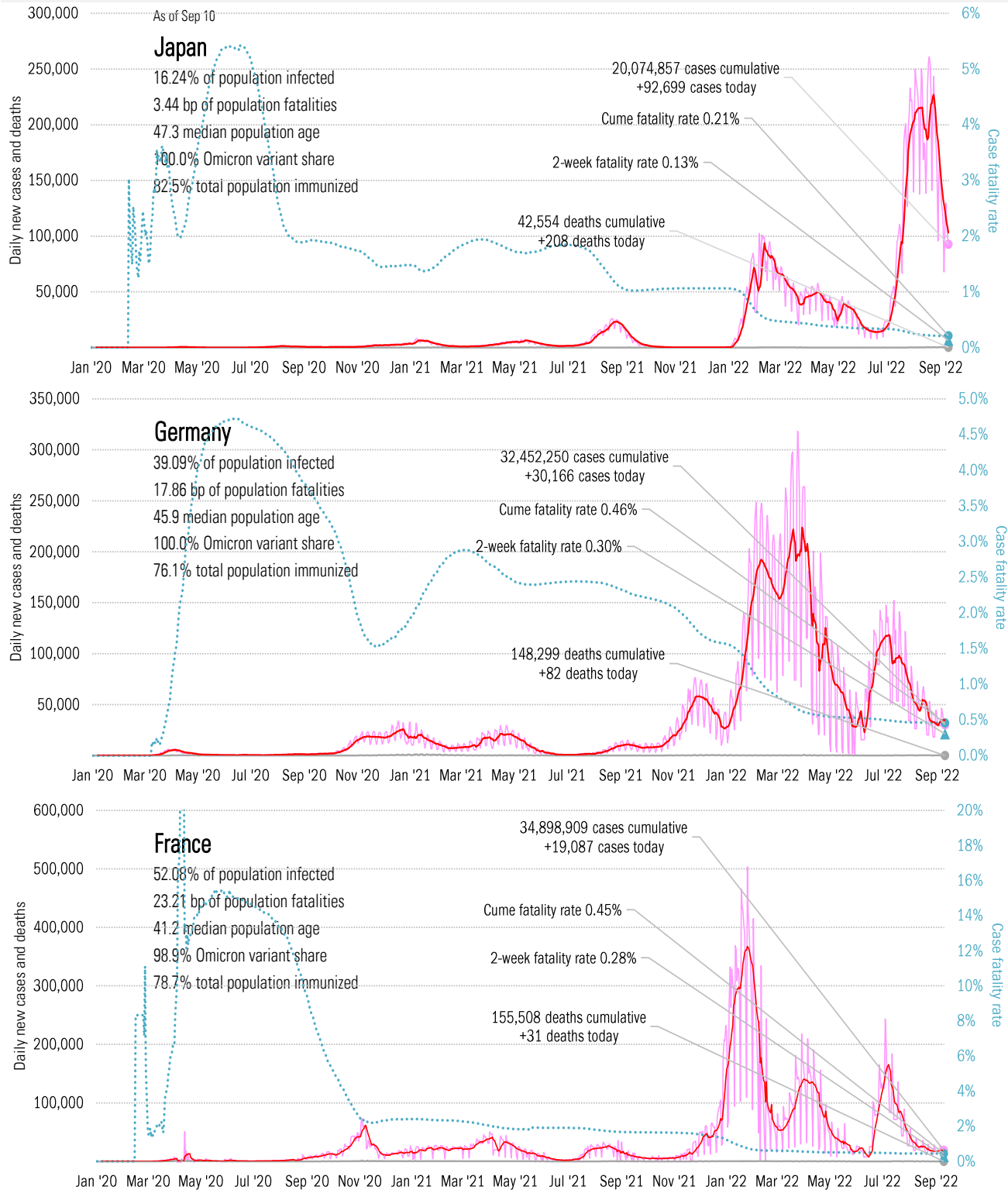
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

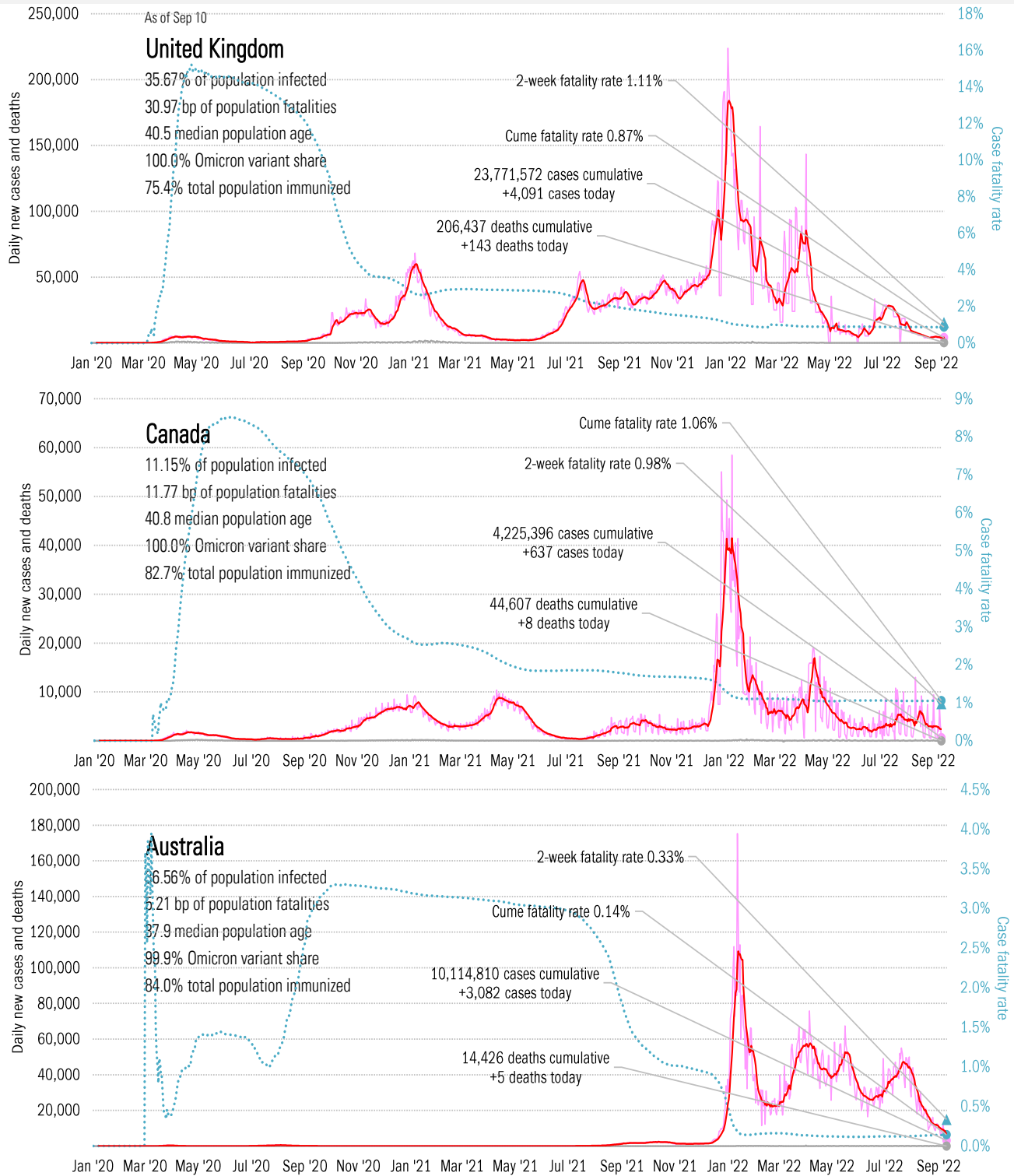
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

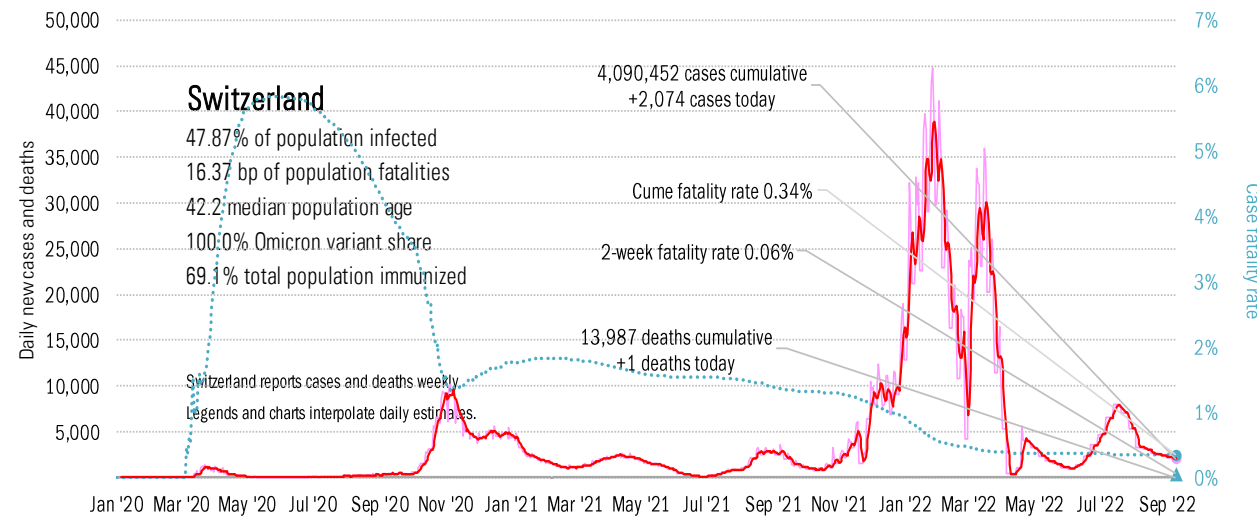
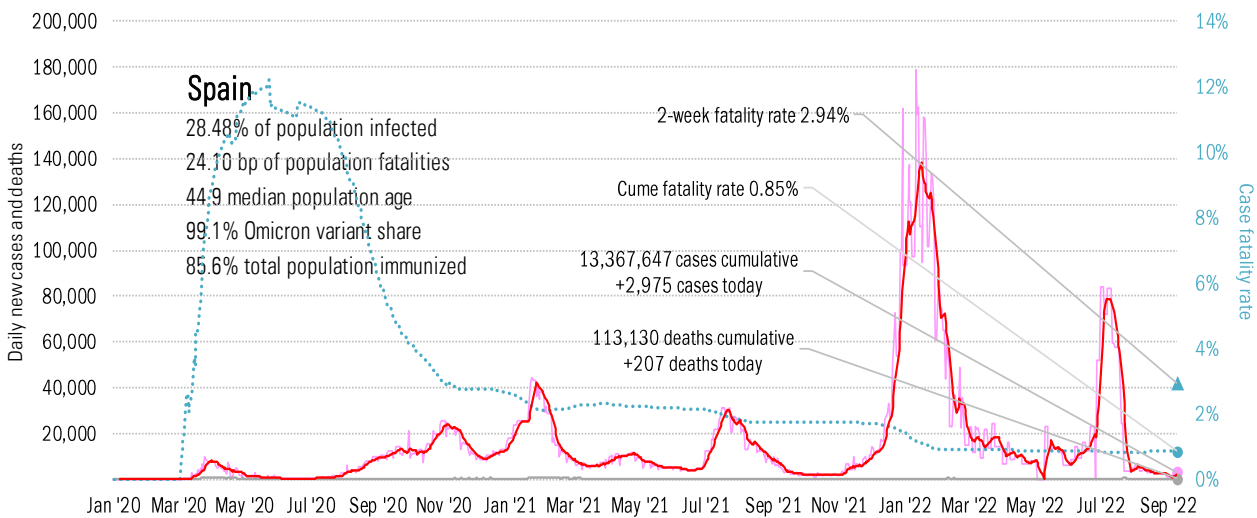
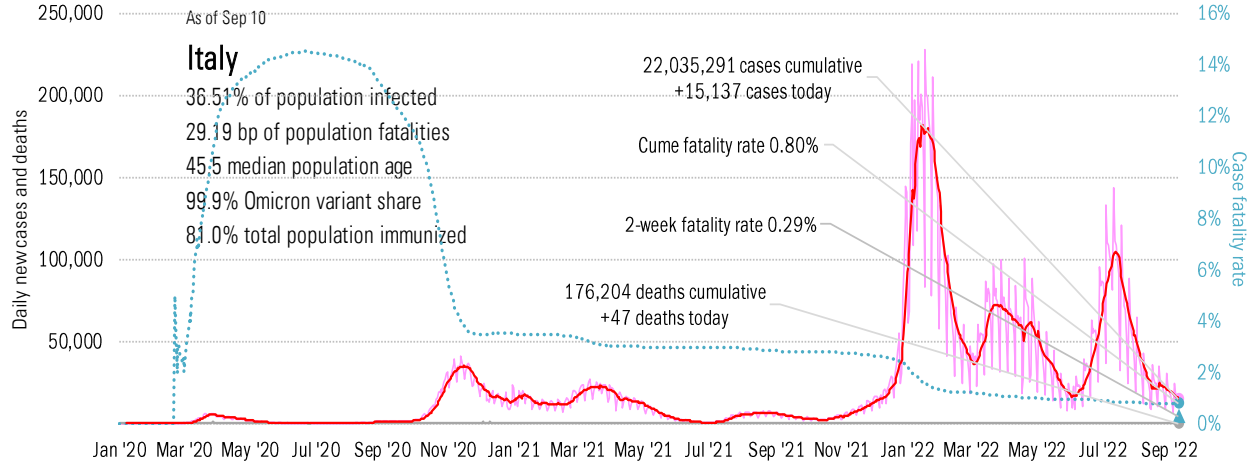
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

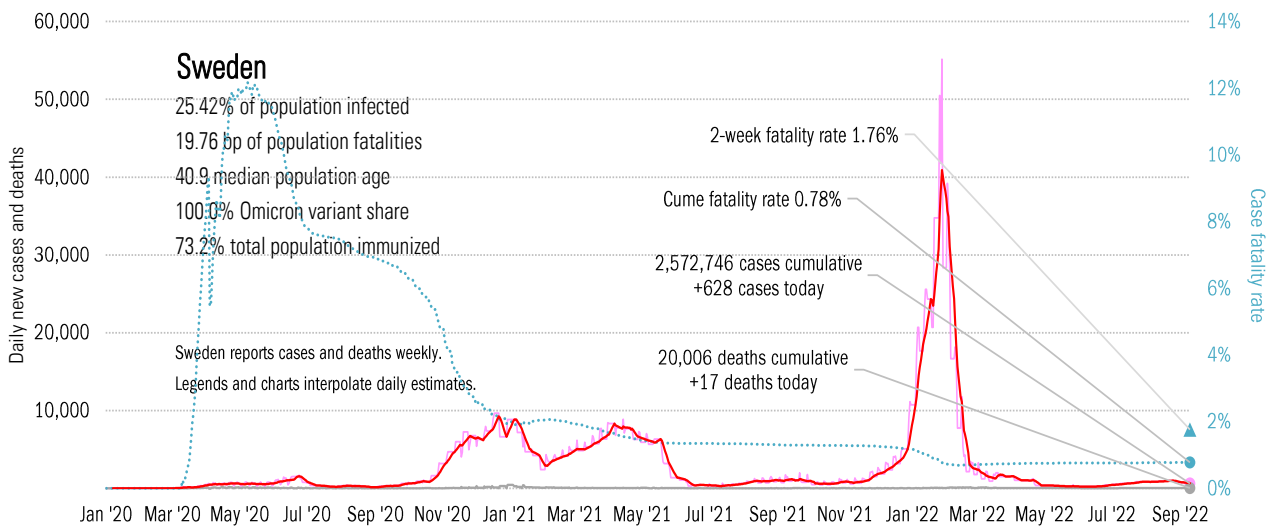
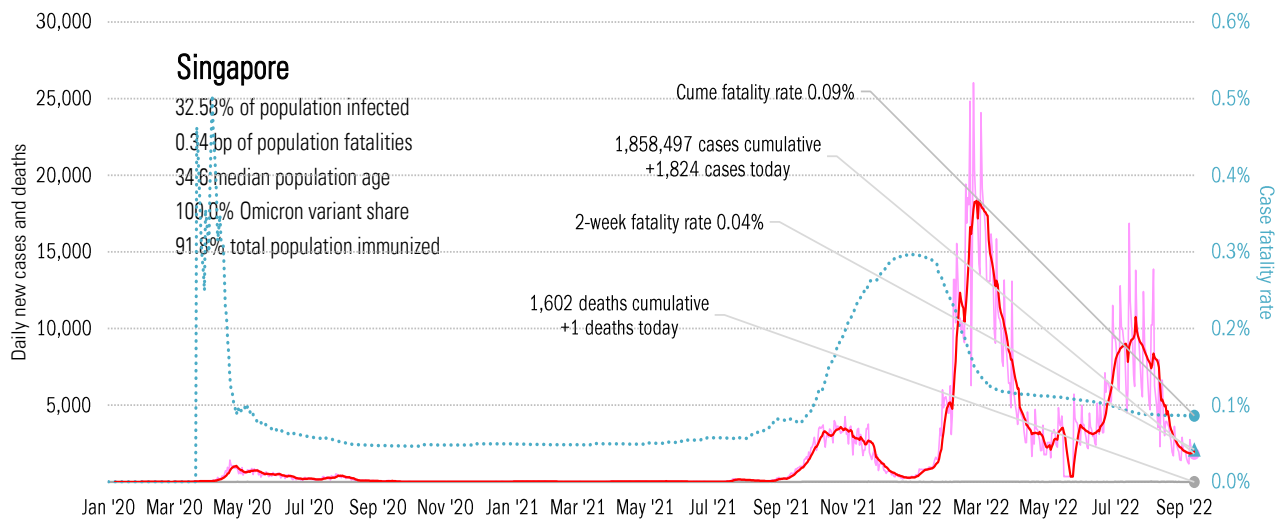
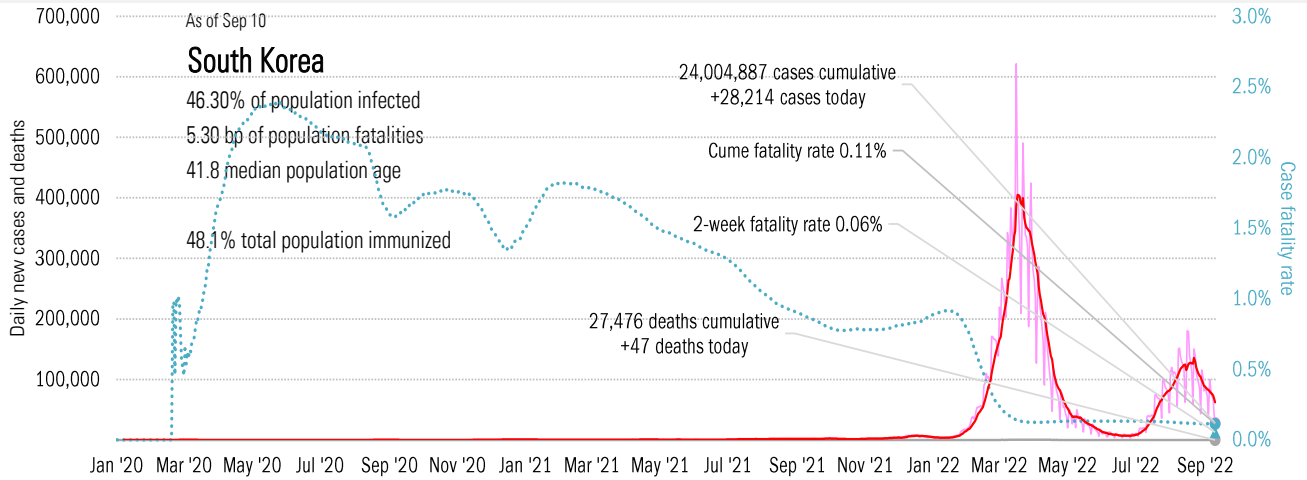
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

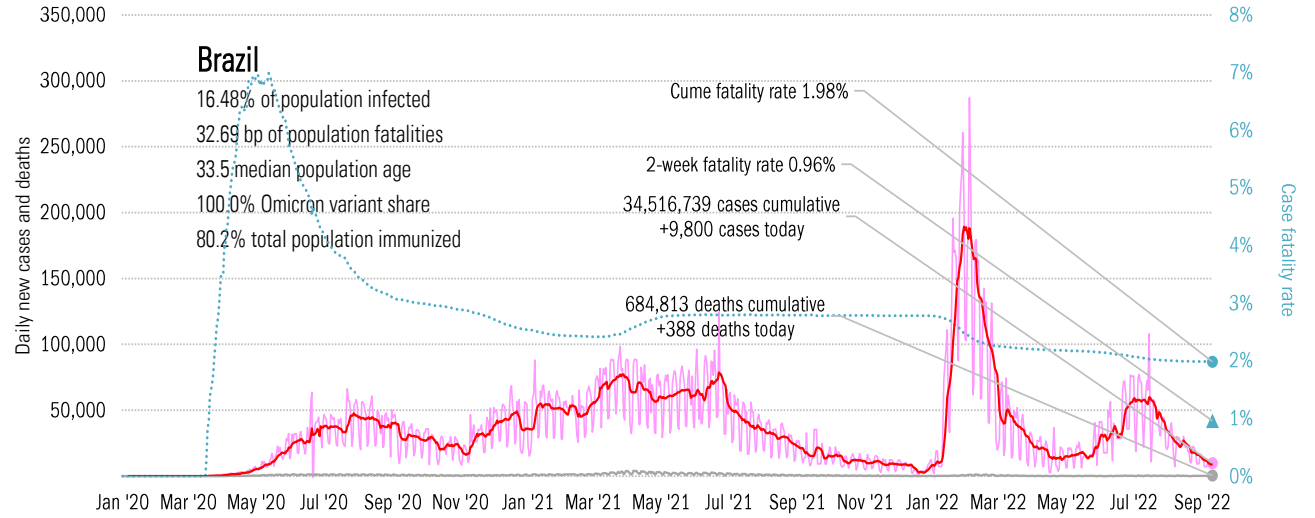
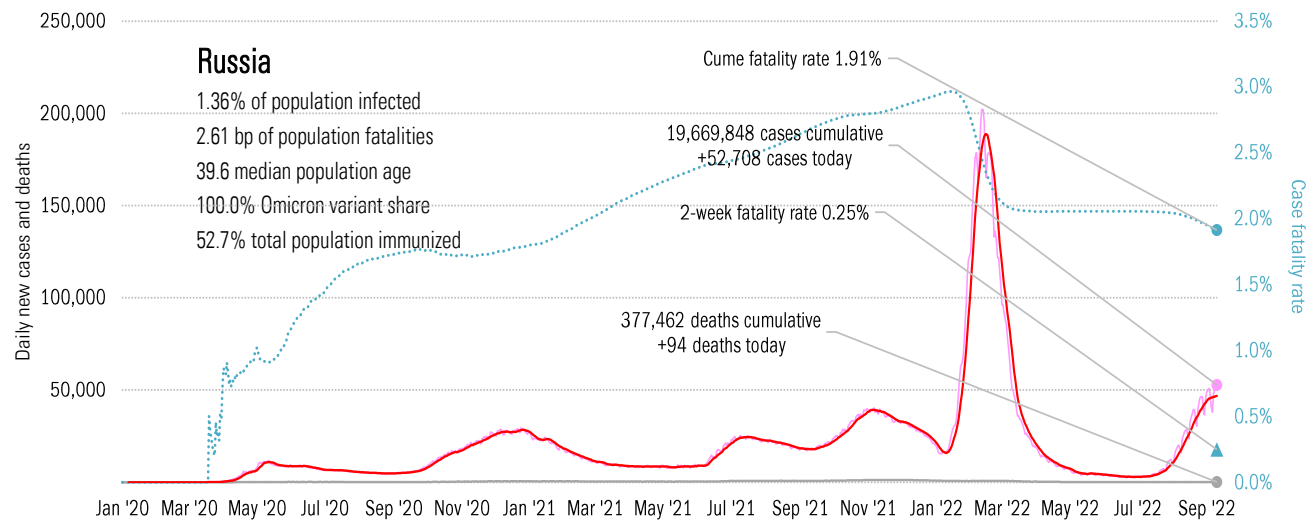
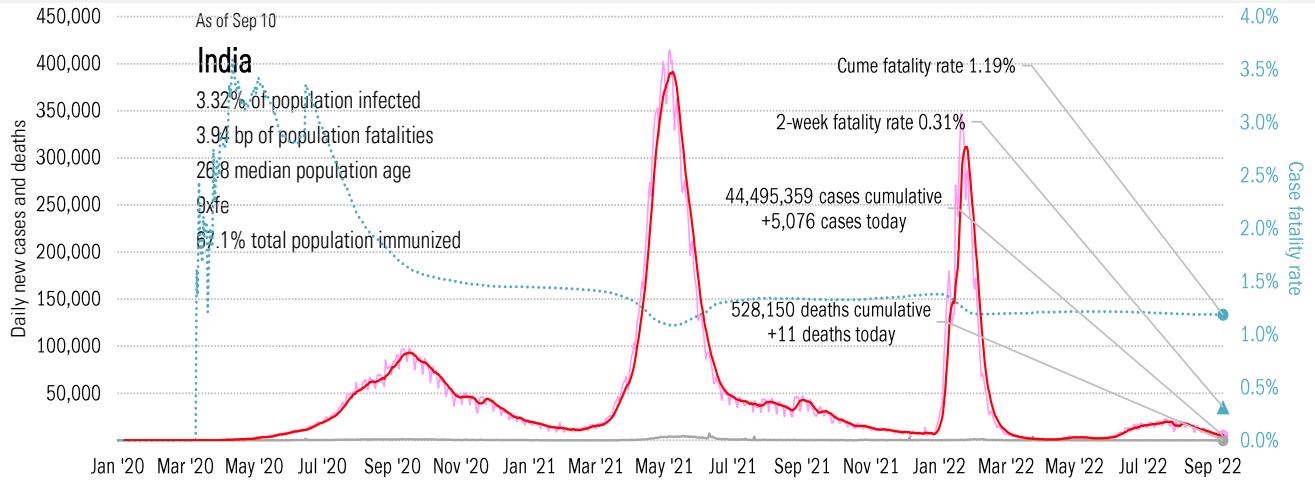
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

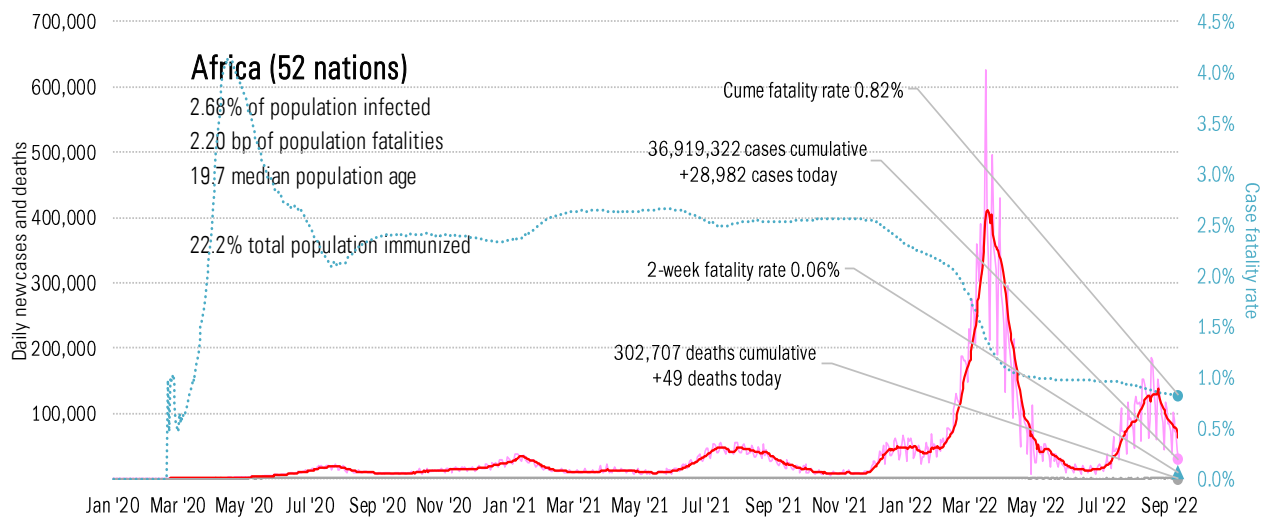
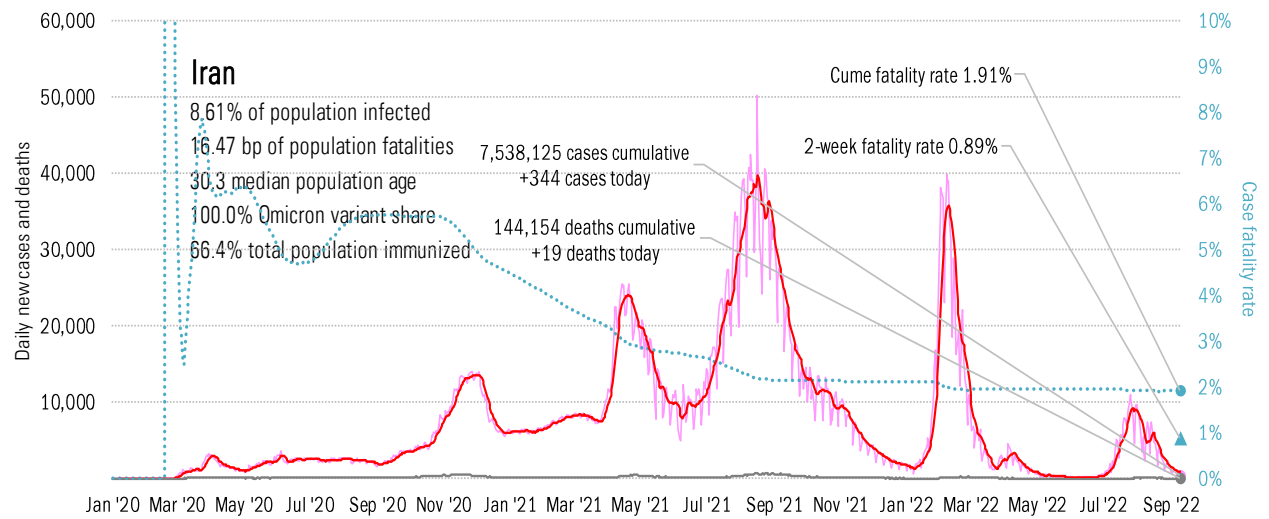
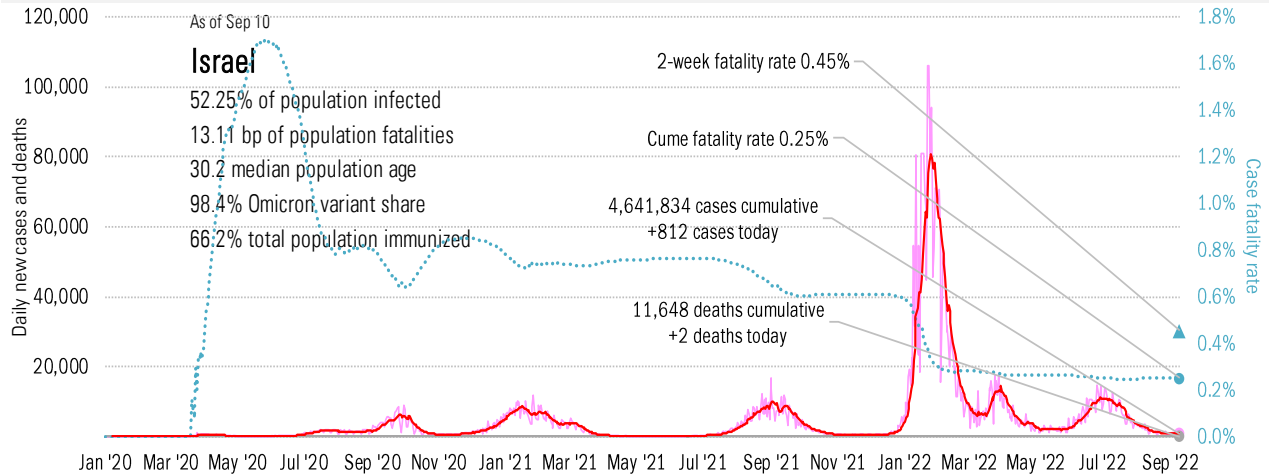
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

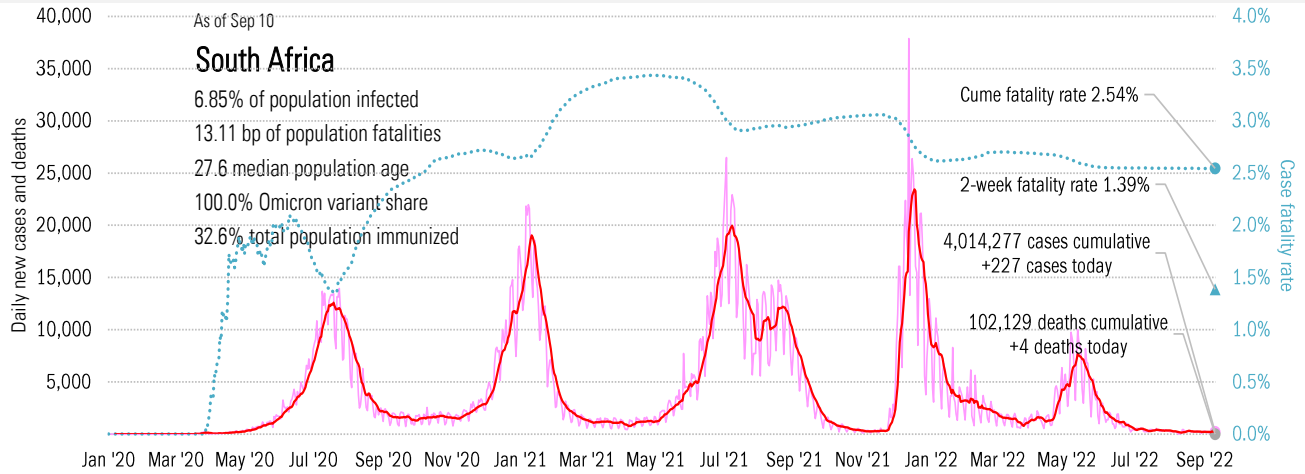
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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