

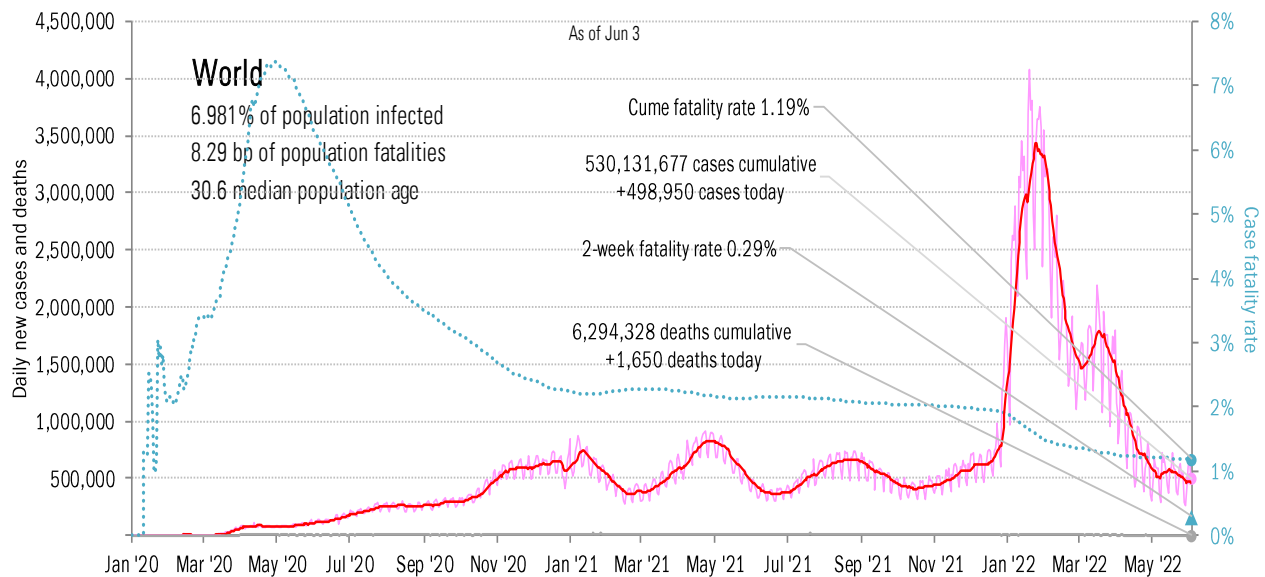
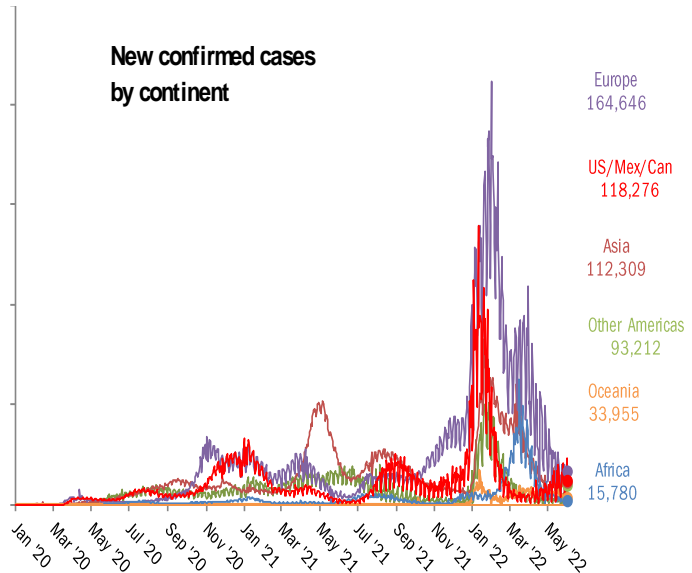
## Data Insights: Covid-2019 Monitor

Saturday, June 4, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

| The worst ten countries |         |               |     |
|-------------------------|---------|---------------|-----|
| New cases               |         | New Deaths    |     |
| United States           | 114,776 | United States | 520 |
| Taiwan*                 | 76,505  | Spain         | 304 |
| Spain                   | 42,989  | Taiwan*       | 142 |
| Germany                 | 41,087  | Russia        | 75  |
| Brazil                  | 36,189  | Germany       | 73  |
| Australia               | 27,521  | Australia     | 60  |
| Portugal                | 26,392  | Portugal      | 53  |
| France                  | 25,130  | Canada        | 43  |
| Japan                   | 19,257  | Brazil        | 41  |
| Korea, South            | 12,016  | Italy         | 40  |
| 421,862                 |         | 1,351         |     |
| World 498,950           |         | World 1,650   |     |
| Top ten 85%             |         | Top ten 82%   |     |



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

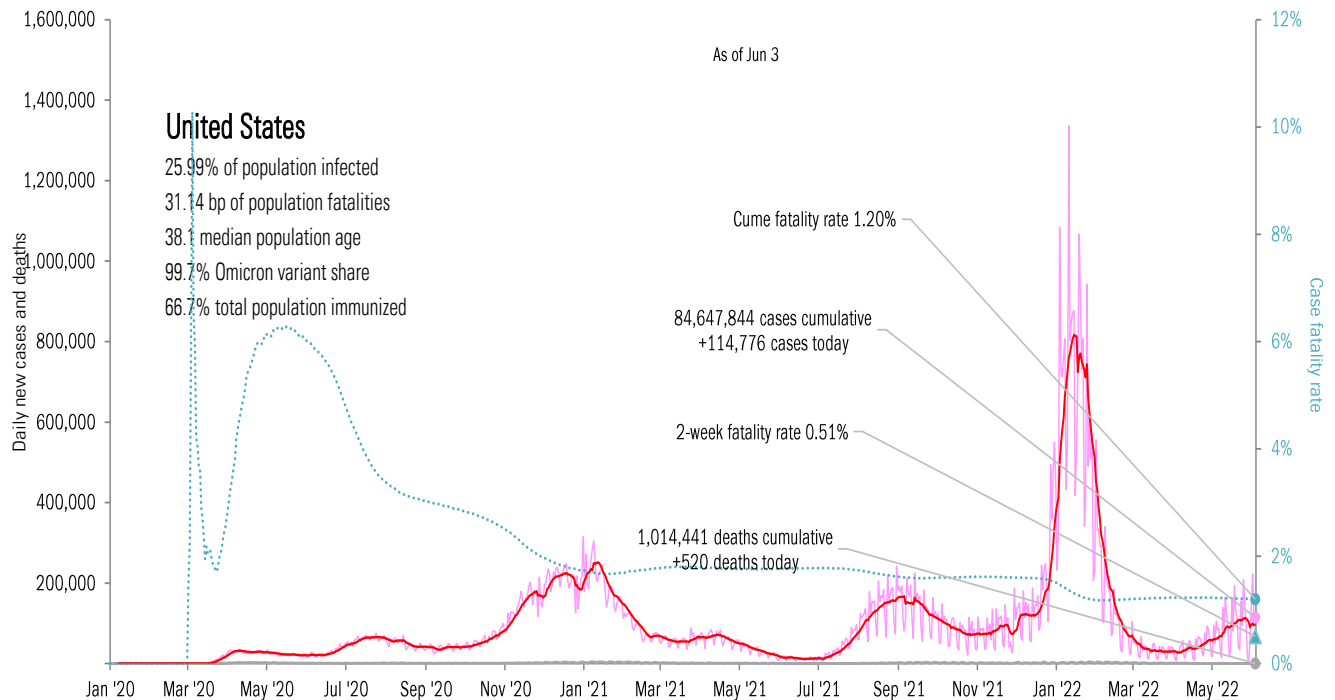
## The ten worst US states

| New cases  |         |  | New deaths |    |  | New in hospital |     |  | Curre cases |            |  | Curre deaths |        |  | Curre in hospital |         |  | Hospital use |     | ICU use |     |     |
|------------|---------|--|------------|----|--|-----------------|-----|--|-------------|------------|--|--------------|--------|--|-------------------|---------|--|--------------|-----|---------|-----|-----|
| FL         | 16,475  |  | CA         | 75 |  | FL              | 505 |  | CA          | 9,661,436  |  | CA           | 91,502 |  | TX                | 494,830 |  | RI           | 91% |         | DE  | 91% |
| CA         | 13,211  |  | MO         | 34 |  | CA              | 419 |  | TX          | 6,967,551  |  | TX           | 88,385 |  | CA                | 435,979 |  | MA           | 86% |         | RI  | 85% |
| NY         | 8,454   |  | NY         | 29 |  | TX              | 197 |  | FL          | 6,167,709  |  | FL           | 74,704 |  | FL                | 427,231 |  | MN           | 85% |         | NM  | 82% |
| WA         | 8,448   |  | IN         | 28 |  | GA              | 109 |  | NY          | 5,462,873  |  | NY           | 69,105 |  | NY                | 263,207 |  | PA           | 84% |         | TX  | 80% |
| TX         | 8,014   |  | NM         | 22 |  | IN              | 96  |  | IL          | 3,318,982  |  | PA           | 45,254 |  | GA                | 209,701 |  | WA           | 84% |         | WA  | 80% |
| FR         | 7,057   |  | WA         | 22 |  | NJ              | 169 |  | PA          | 2,932,186  |  | CH           | 38,657 |  | CH                | 195,796 |  | NH           | 84% |         | AL  | 80% |
| MO         | 6,962   |  | FL         | 18 |  | MI              | 158 |  | CH          | 2,780,653  |  | GA           | 38,242 |  | PA                | 182,587 |  | GA           | 83% |         | MI  | 80% |
| IL         | 5,820   |  | IL         | 17 |  | IL              | 208 |  | NC          | 2,772,730  |  | IL           | 38,188 |  | IL                | 163,569 |  | MI           | 82% |         | NH  | 79% |
| NJ         | 4,757   |  | ME         | 15 |  | NV              | 54  |  | GA          | 2,571,104  |  | MI           | 36,407 |  | MI                | 146,970 |  | DE           | 82% |         | NC  | 78% |
| VA         | 4,056   |  | MN         | 15 |  | AL              | 43  |  | MI          | 2,547,366  |  | NJ           | 33,755 |  | KY                | 134,334 |  | MD           | 81% |         | DC  | 78% |
| 83,254     |         |  | 275        |    |  | 1,958           |     |  | 45,182,590  |            |  | 554,199      |        |  | 2,654,204         |         |  |              |     |         |     |     |
| All states | 114,776 |  | 520        |    |  | 4,228           |     |  | All states  | 84,647,844 |  | 1,014,441    |        |  | 4,819,726         |         |  | All states   | 70% |         | 67% |     |
| Top ten    | 73%     |  | 53%        |    |  | 46%             |     |  | Top ten     | 53%        |  | 55%          |        |  | 55%               |         |  | Median       | 75% |         | 72% |     |

Some states not reporting

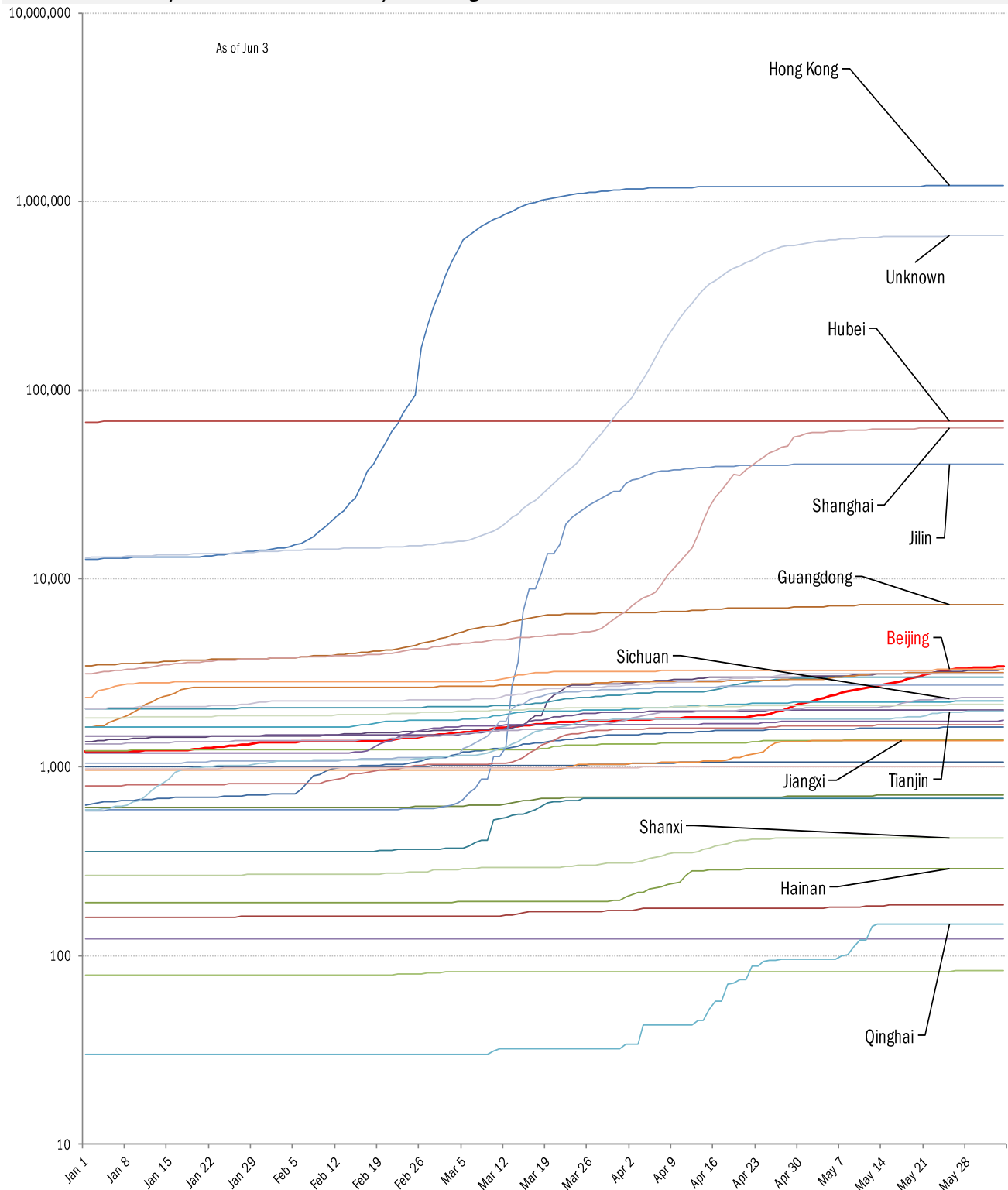
## Five most improved US states

| Fewer daily cases |         | Fewer new deaths |      | Fewer new hospitalizations |      | Most pop immunity growth |        |
|-------------------|---------|------------------|------|----------------------------|------|--------------------------|--------|
| CH                | -17,530 | FL               | -112 | CO                         | -172 | AK                       | +10 bp |
| CA                | -9,735  | CK               | -37  | NY                         | -90  | IA                       | +10 bp |
| UT                | -5,728  | WI               | -15  | WA                         | -42  | IN                       | +10 bp |
| MN                | -2,848  | MA               | -10  | PA                         | -37  | MD                       | +10 bp |
| CK                | -2,242  | WV               | -6   | MD                         | -36  | ME                       | +10 bp |



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

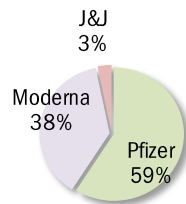
**China provincial coronavirus case accelerometer... tracking the "zero Covid" curves**  
*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*



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

# Rolling out the vaccines in the US and the world

| Administered     | Cumulative      | Today          | Immunity      | Full         | Partial                 |
|------------------|-----------------|----------------|---------------|--------------|-------------------------|
| Doses            | 603,964,634     | +0.259 million | US            | 66.7%        | 77.9%                   |
| Boosters         | 45,065,810      | +0.018 million | UK            | 73.2%        | 78.4%                   |
|                  | <b>One dose</b> | <b>% Pop</b>   | <b>Immune</b> | <b>% pop</b> | <b>New immune today</b> |
| Total population | 266,534,538     | 80%            | 227,747,588   | 68%          | +0.007 million          |
| Age 12 to 17     | 17,814,357      | 70%            | 15,260,463    | 60%          | +0.003 million          |
| Age 18 to 64     | 179,036,072     | 88%            | 152,307,110   | 75%          | +0.010 million          |
| Age 65 and over  | 59,174,015      | 100%           | 51,680,050    | 94%          | +0.006 million          |



|           |
|-----------|
| <b>AK</b> |
| 70.1%     |
| 62.8%     |

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

|               |
|---------------|
| <b>Best</b>   |
| <b>Middle</b> |
| <b>Worst</b>  |

"Immunity" = two doses

|           |
|-----------|
| <b>WI</b> |
| 72.2%     |
| 65.9%     |

As of Jun 3

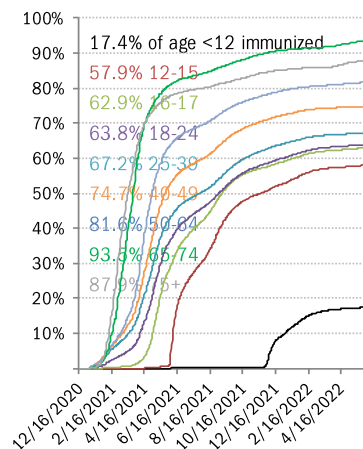
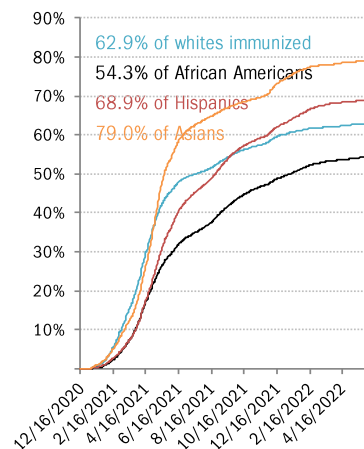
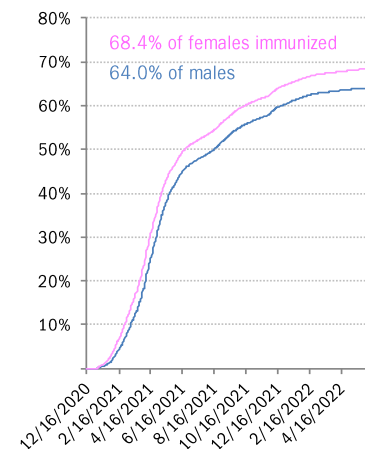
|           |
|-----------|
| <b>ME</b> |
| 91.3%     |
| 80.2%     |

|           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>WA</b> | <b>ID</b> | <b>MT</b> | <b>ND</b> | <b>MN</b> | <b>IL</b> | <b>MI</b> | <b>NY</b> | <b>VT</b> | <b>NH</b> |           |
| 81.2%     | 62.0%     | 65.5%     | 65.9%     | 75.4%     | 76.2%     | 67.3%     | 90.7%     | 94.1%     | 89.0%     |           |
| 73.0%     | 55.6%     | 57.0%     | 55.8%     | 69.5%     | 68.9%     | 60.5%     | 77.5%     | 81.7%     | 71.2%     |           |
| <b>OR</b> | <b>NV</b> | <b>WY</b> | <b>SD</b> | <b>IA</b> | <b>IN</b> | <b>OH</b> | <b>PA</b> | <b>NJ</b> | <b>MA</b> |           |
| 78.3%     | 75.7%     | 58.3%     | 77.2%     | 68.2%     | 61.8%     | 63.9%     | 85.6%     | 91.0%     | 95.0%     |           |
| 70.0%     | 61.2%     | 51.2%     | 62.2%     | 62.3%     | 55.3%     | 59.0%     | 69.1%     | 76.2%     | 79.6%     |           |
| <b>CA</b> | <b>UT</b> | <b>CO</b> | <b>NE</b> | <b>MO</b> | <b>KY</b> | <b>WV</b> | <b>VA</b> | <b>MD</b> | <b>CT</b> | <b>RI</b> |
| 82.5%     | 72.4%     | 79.8%     | 70.5%     | 66.5%     | 66.5%     | 65.3%     | 86.3%     | 87.0%     | 95.0%     | 95.0%     |
| 72.6%     | 64.6%     | 70.6%     | 63.8%     | 56.4%     | 57.7%     | 57.9%     | 73.7%     | 76.2%     | 79.8%     | 83.3%     |
| <b>AZ</b> | <b>NM</b> | <b>KS</b> | <b>AR</b> | <b>TN</b> | <b>NC</b> | <b>SC</b> | <b>DC</b> | <b>DE</b> |           |           |
| 73.7%     | 88.5%     | 74.9%     | 67.1%     | 62.5%     | 85.2%     | 68.1%     | 95.0%     | 83.8%     |           |           |
| 62.0%     | 71.7%     | 61.9%     | 54.8%     | 54.8%     | 62.1%     | 57.4%     | 78.7%     | 69.8%     |           |           |
| <b>OK</b> | <b>LA</b> | <b>MS</b> | <b>AL</b> | <b>GA</b> |           |           |           |           |           |           |
| 71.5%     | 61.3%     | 59.9%     | 63.0%     | 65.8%     |           |           |           |           |           |           |
| 57.7%     | 53.7%     | 52.1%     | 51.4%     | 55.1%     |           |           |           |           |           |           |
| <b>TX</b> |           |           |           |           |           |           |           |           |           |           |
| 73.8%     |           |           |           |           |           |           |           |           |           |           |
| 61.9%     |           |           |           |           |           |           |           |           |           |           |
|           | <b>FL</b> | <b>PR</b> |           |           |           |           |           |           |           |           |
|           | 79.8%     | 95.0%     |           |           |           |           |           |           |           |           |
|           | 67.4%     | 83.4%     |           |           |           |           |           |           |           |           |

|           |       |       |
|-----------|-------|-------|
| France    | 78.4% | 80.7% |
| Spain     | 86.7% | 88.2% |
| Germany   | 76.9% | 76.9% |
| Italy     | 79.4% | 84.1% |
| Australia | 83.8% | 86.6% |
| Israel    | 66.1% | 72.2% |
| Canada    | 82.5% | 86.9% |
| Japan     | 81.0% | 82.2% |
| Africa    | 17.4% | 22.7% |
| India     | 64.0% | 72.6% |
| Brazil    | 77.7% | 86.0% |
| China     | 87.0% | 89.4% |

Global data differs due to sources, timing

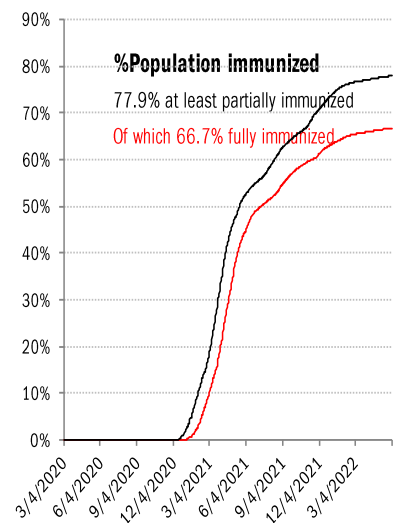
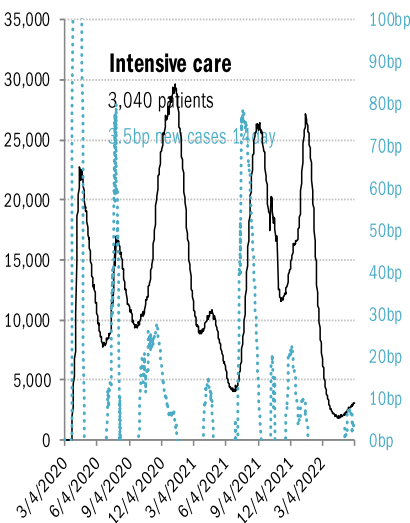
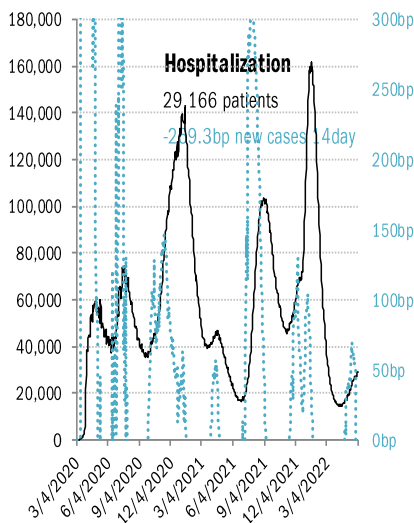
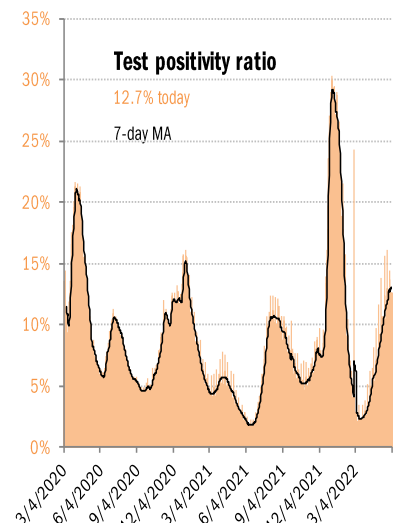
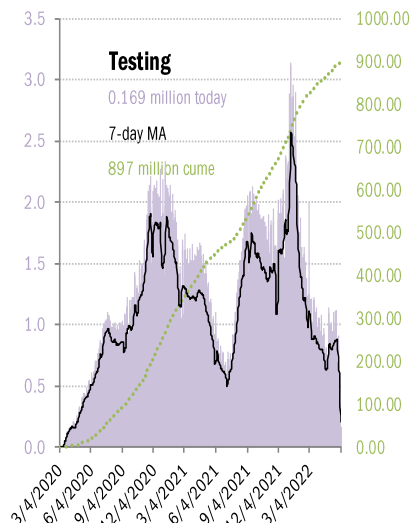
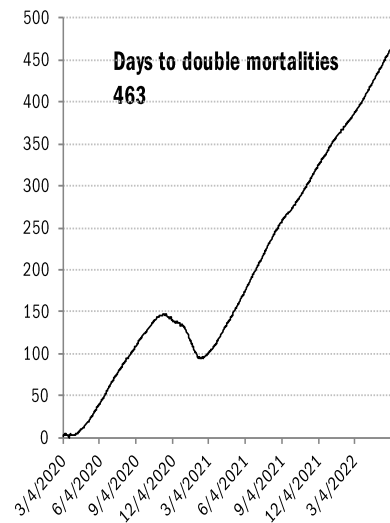
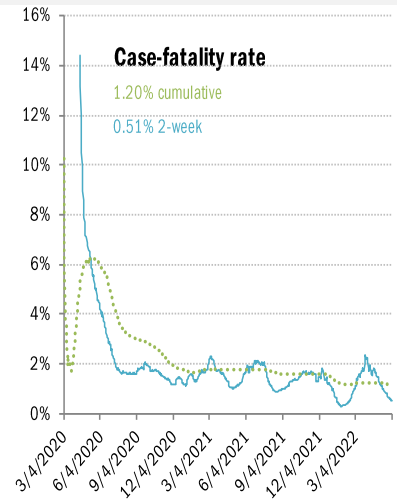
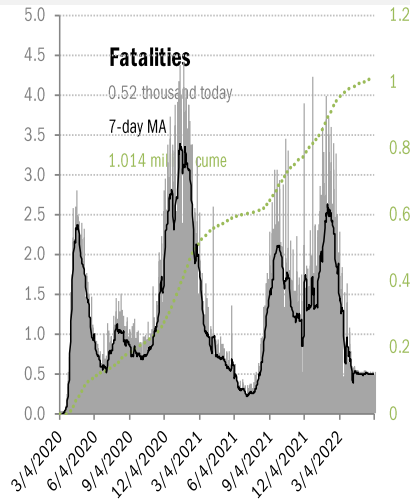
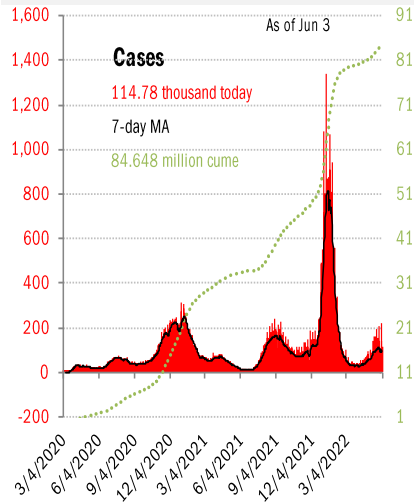
## The demographics of US vaccination



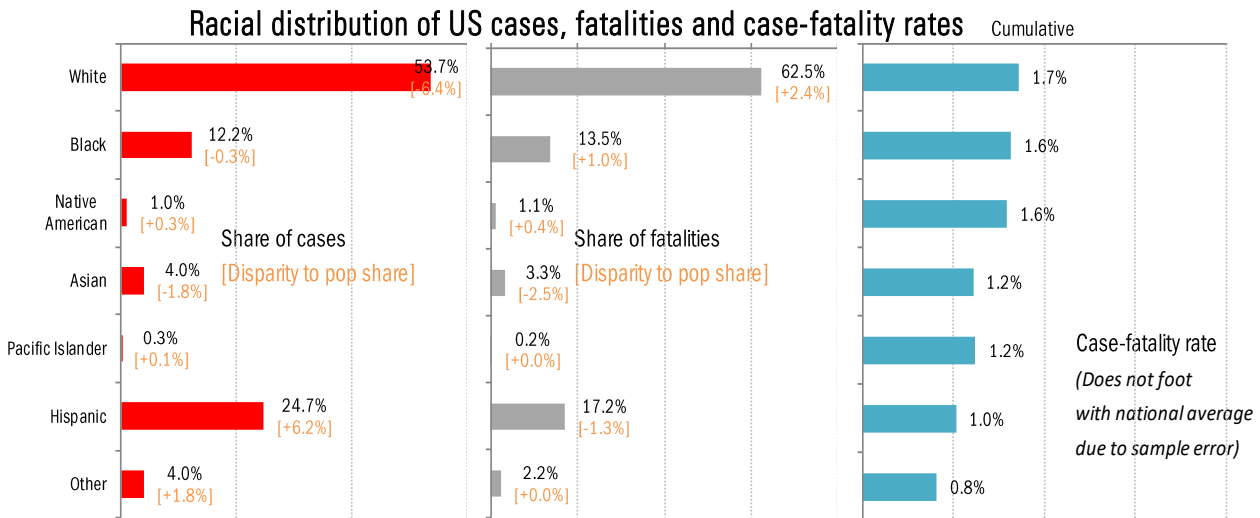
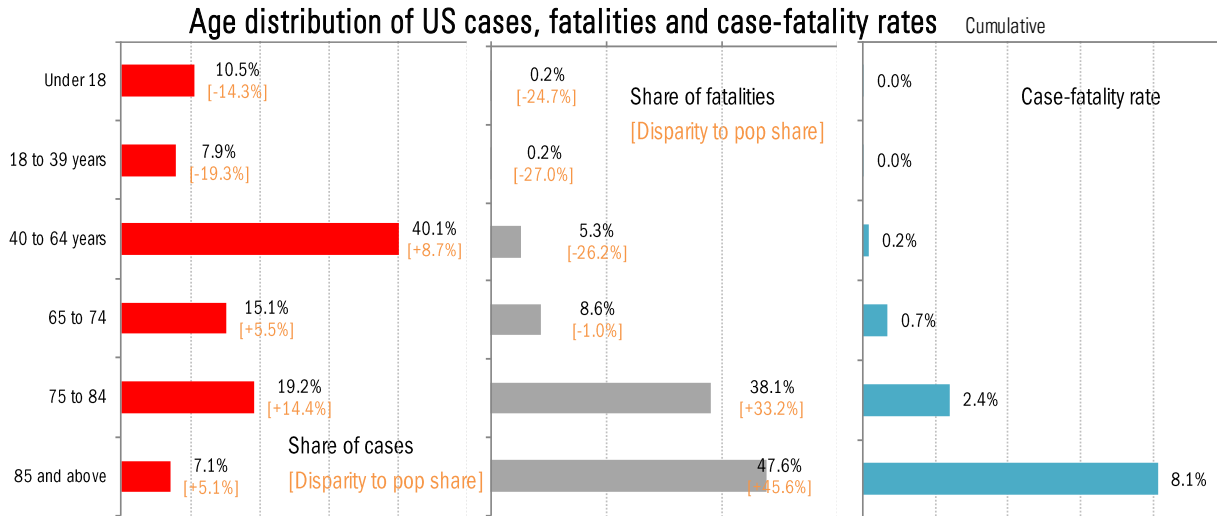
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

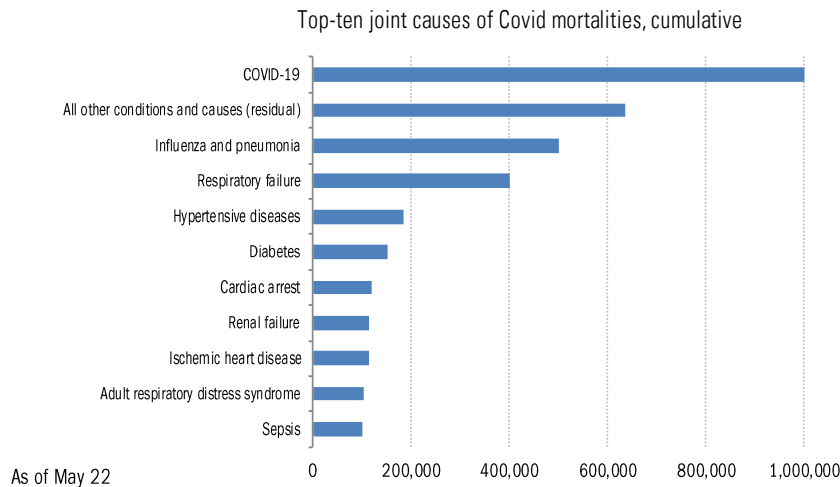
National and state-by-state data do not line up because of different sources



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

[Covid Vindication for Ron DeSantis](#)

*Wall Street Journal*

June 3, 2022

[Genetic data indicate at least two separate monkeypox outbreaks underway, suggesting wider spread](#)

Helen Branswell

*Stat News*

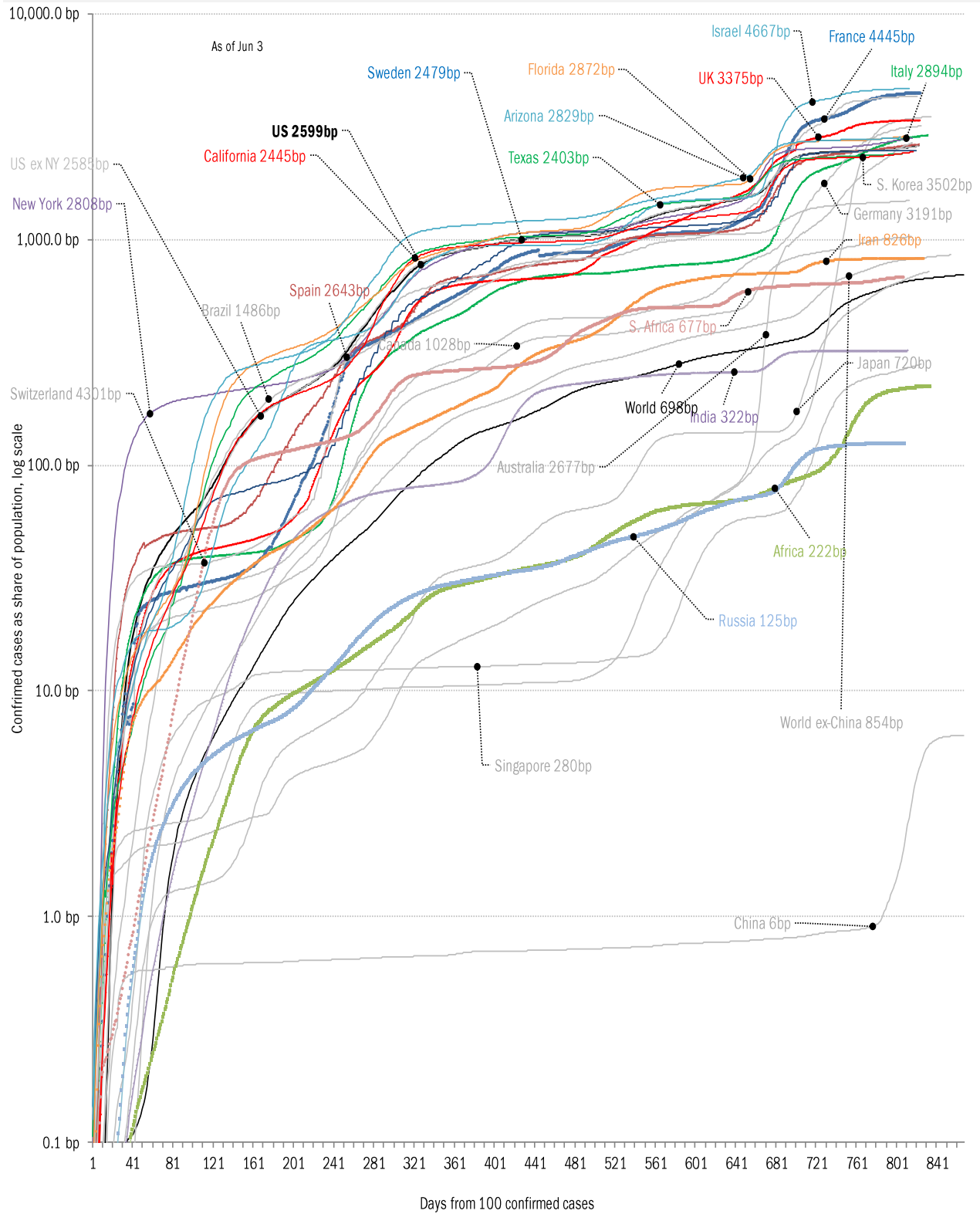
June 3, 2022

## Meme of the day



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

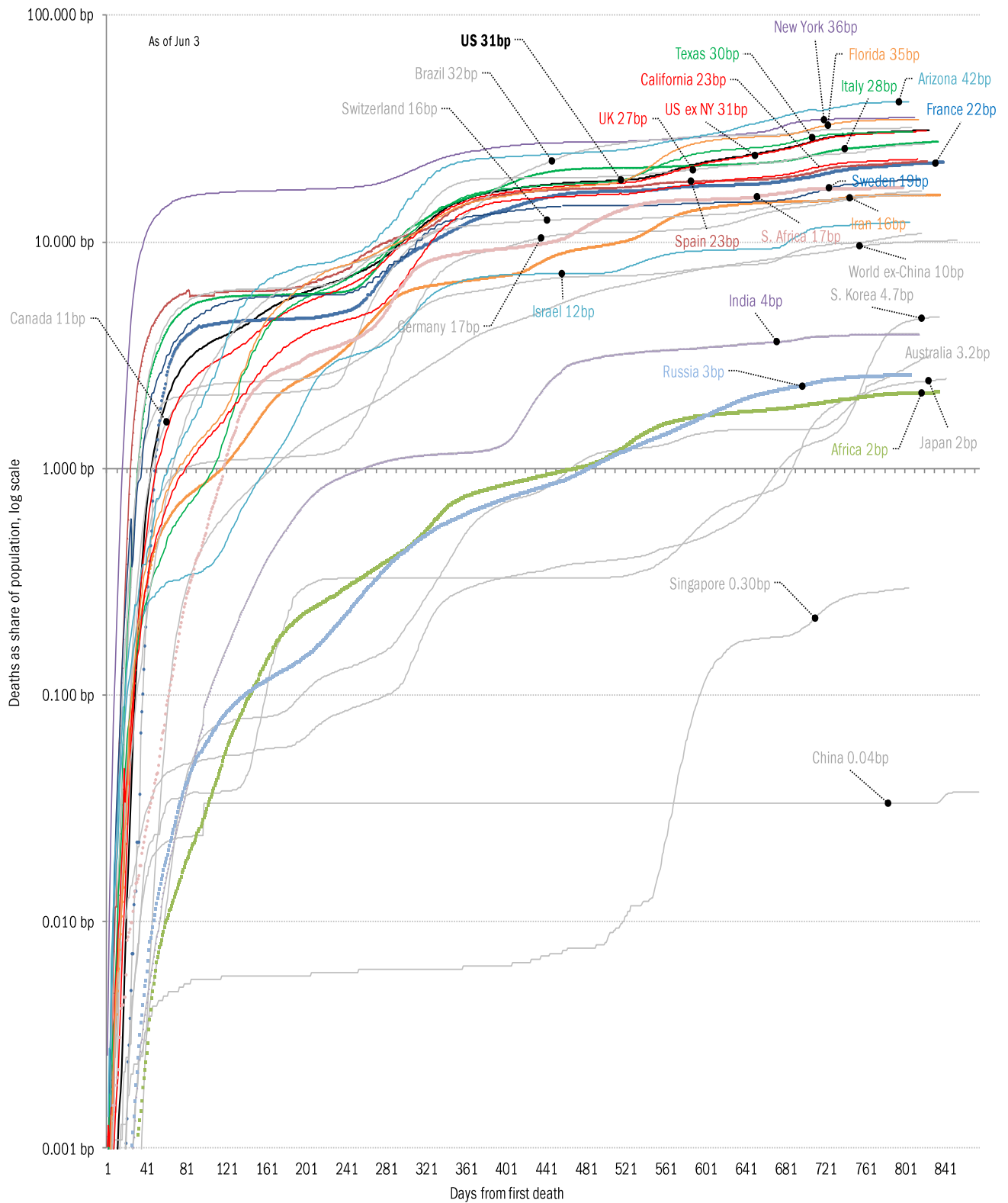
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

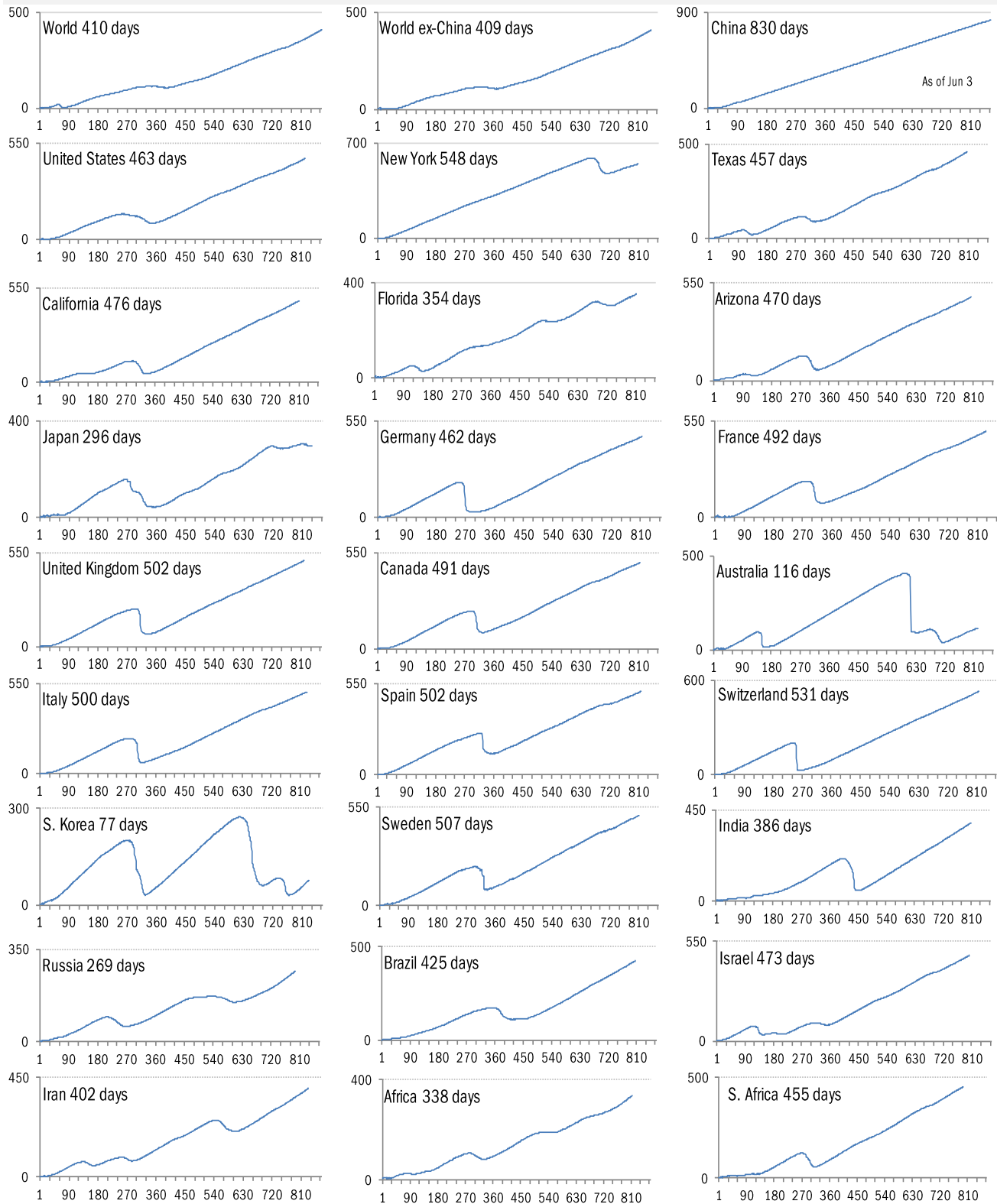


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

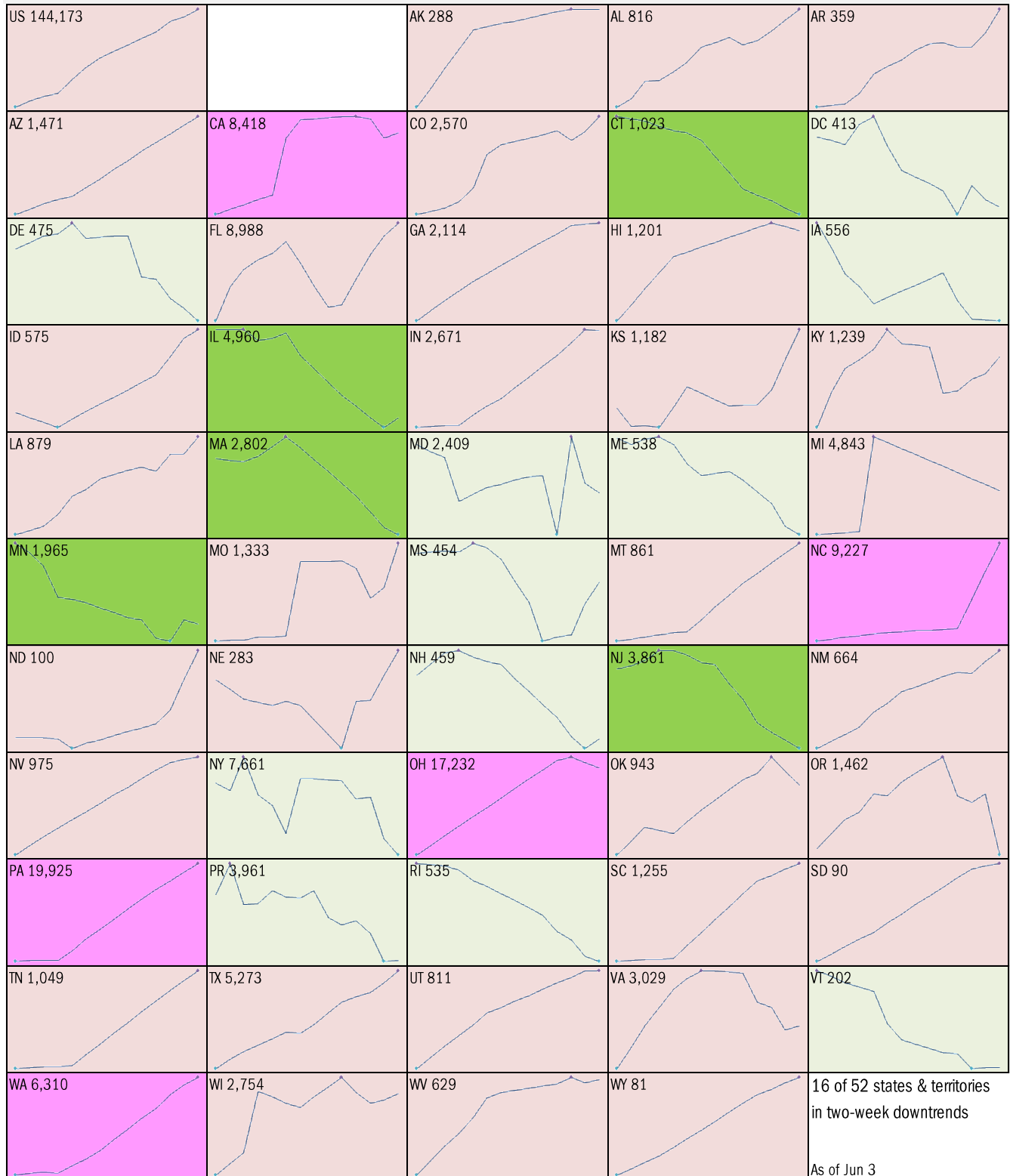


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

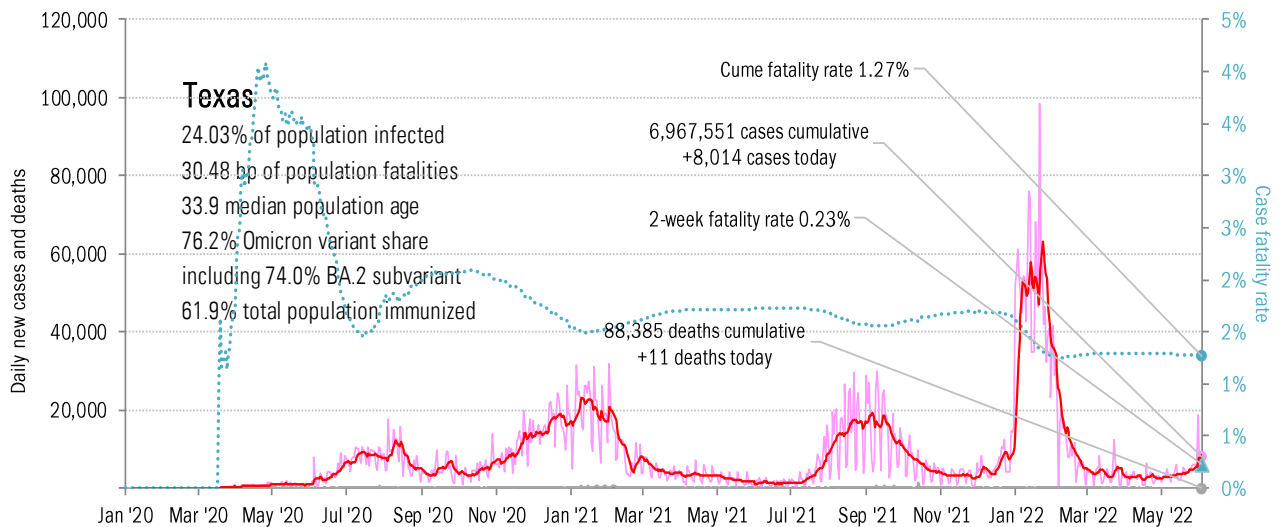
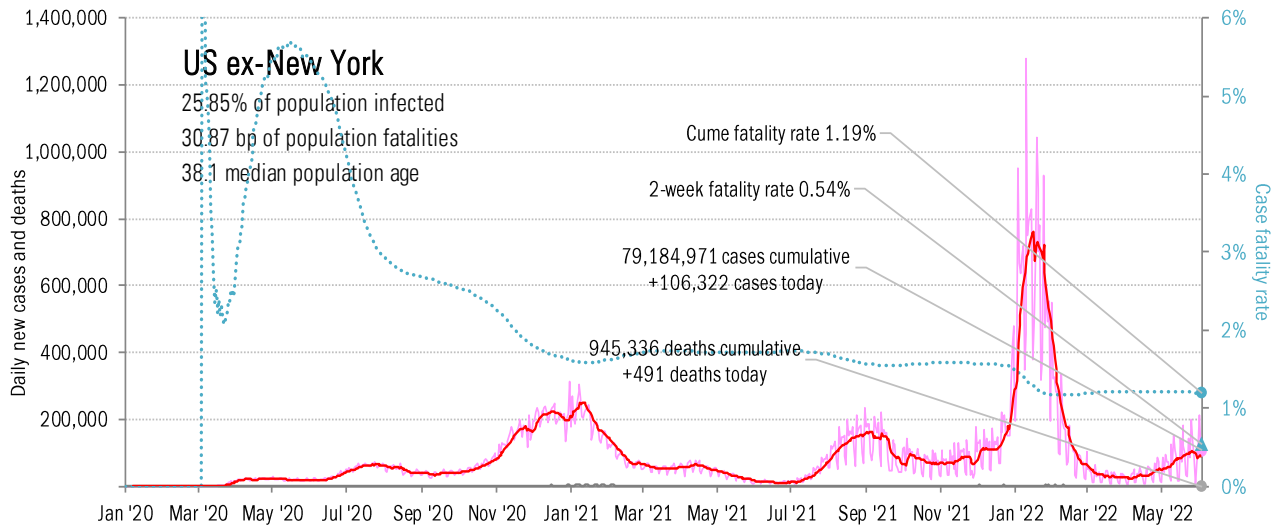
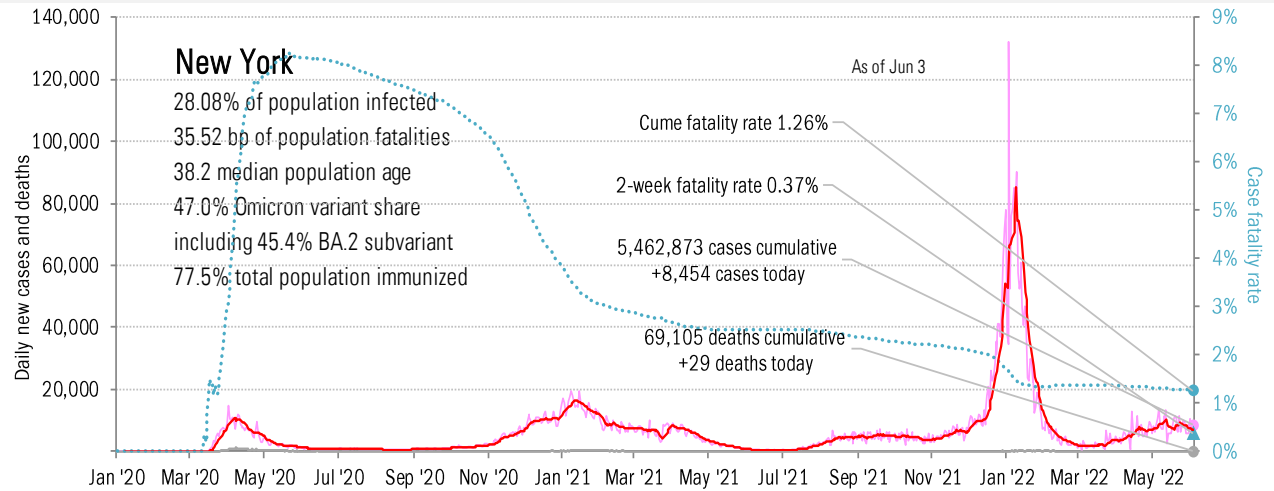
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

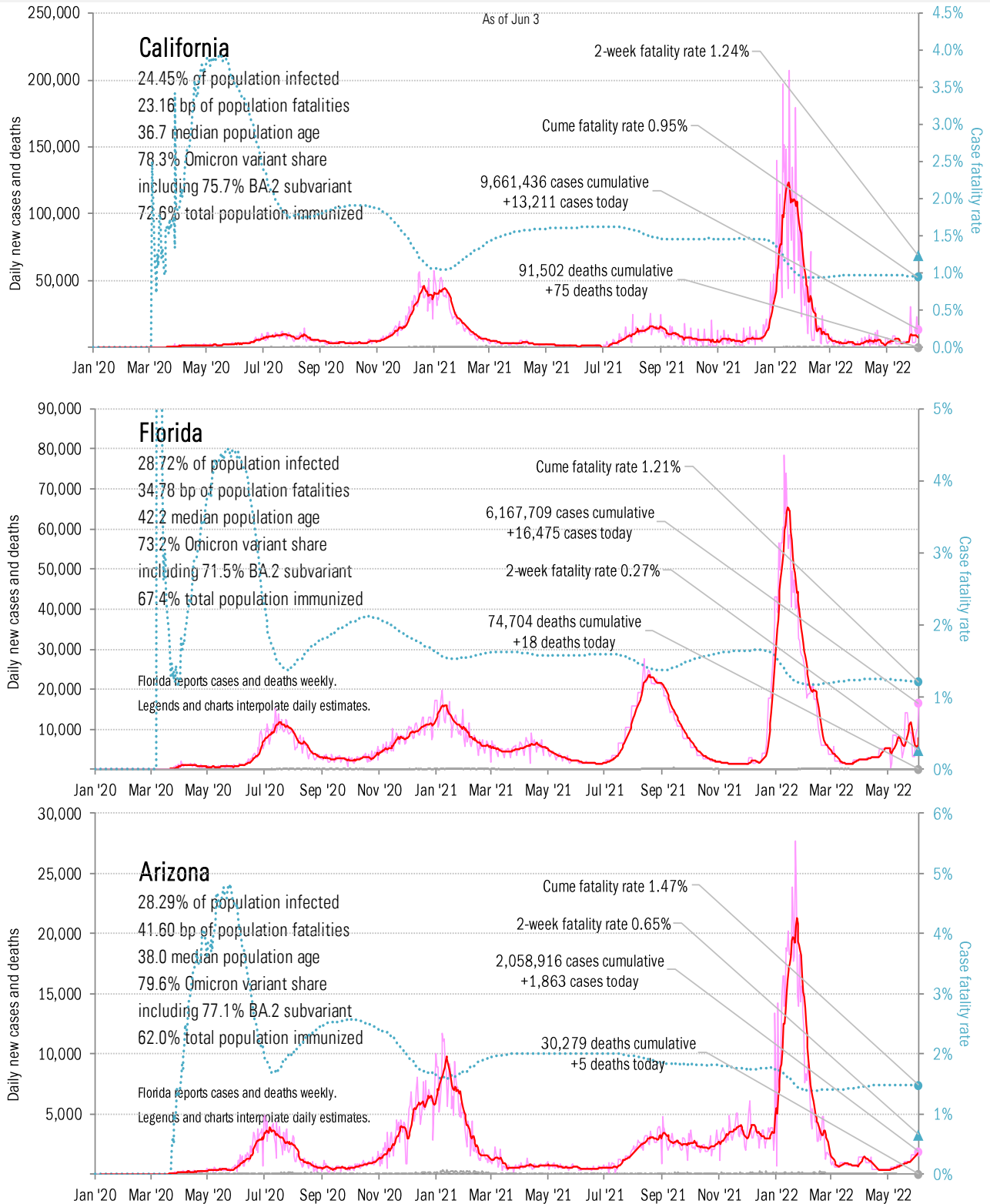
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

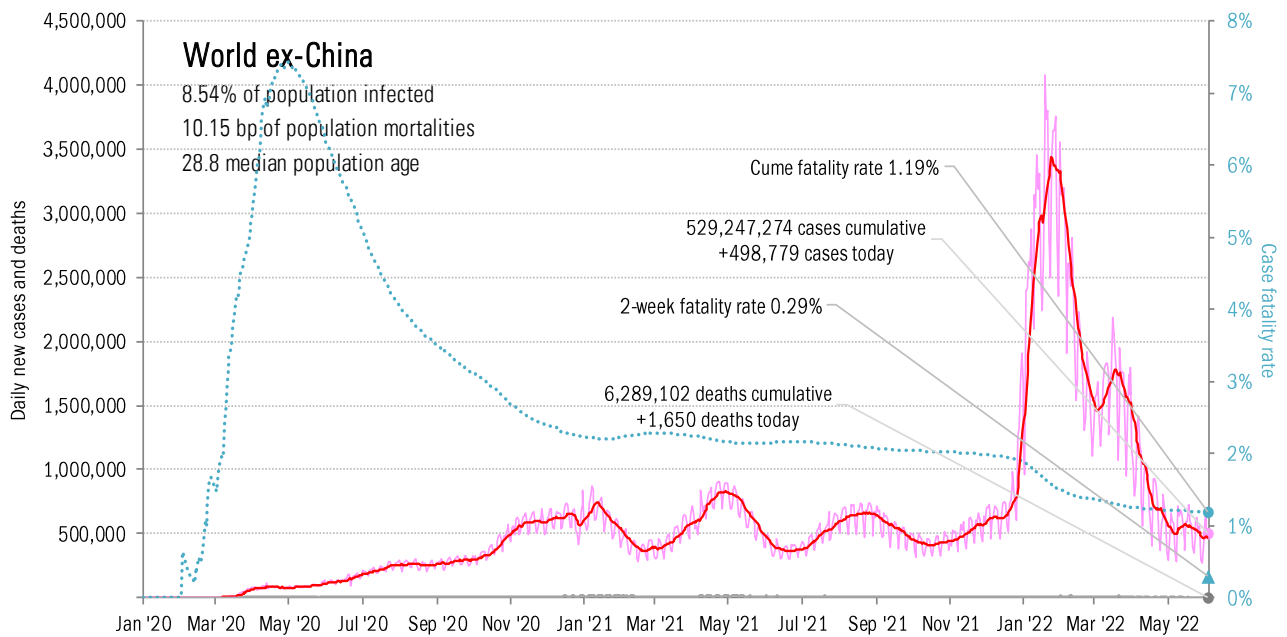
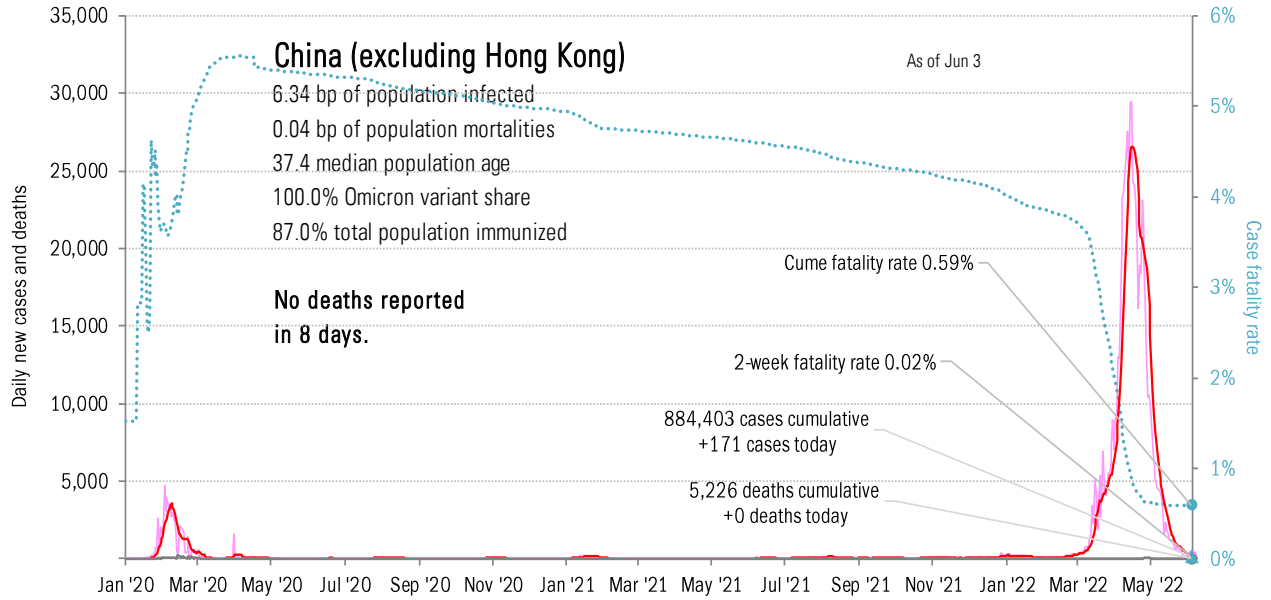
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

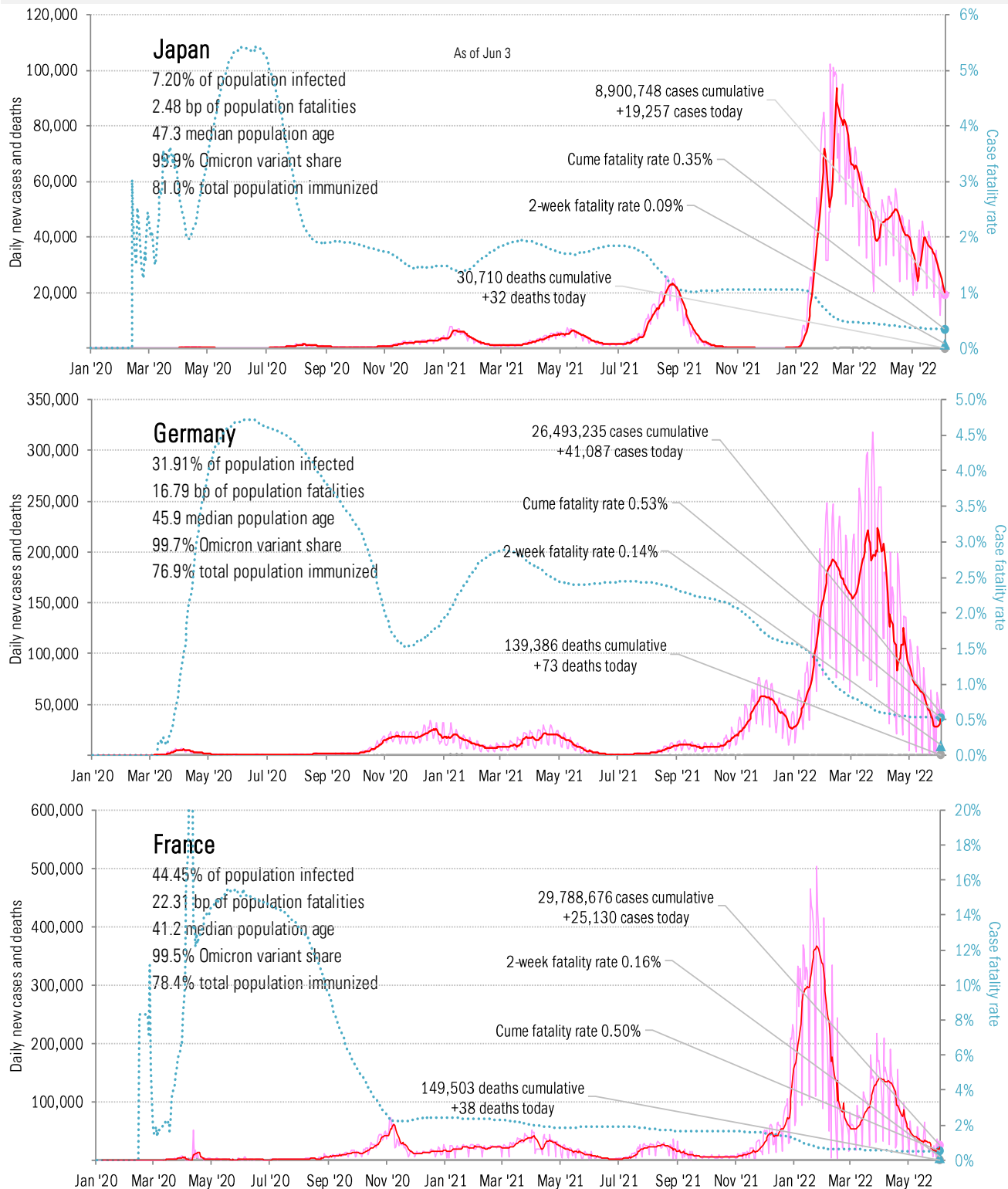
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

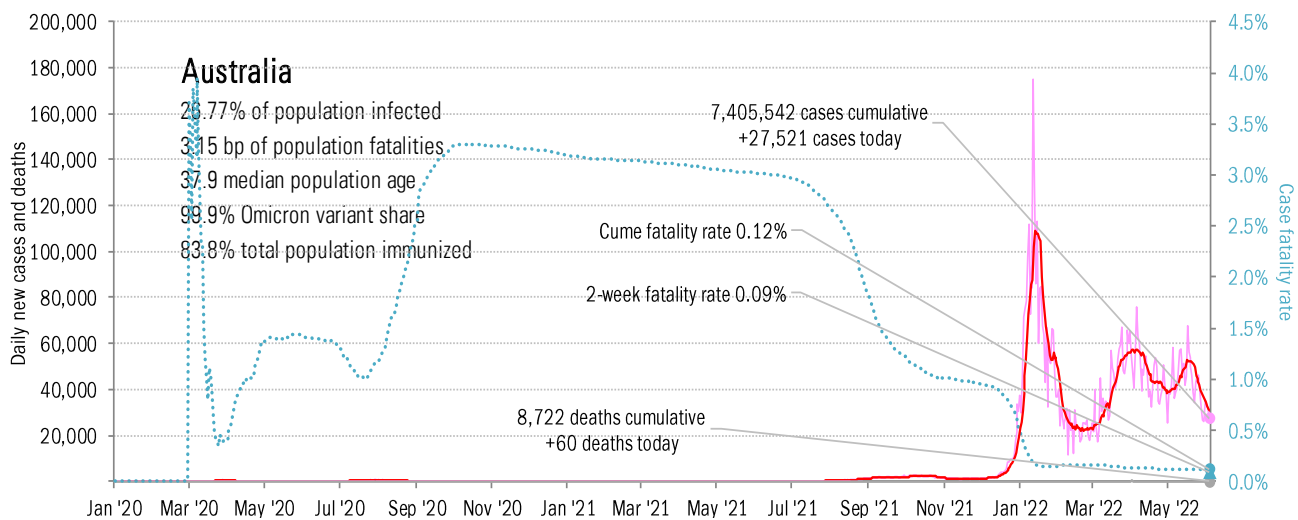
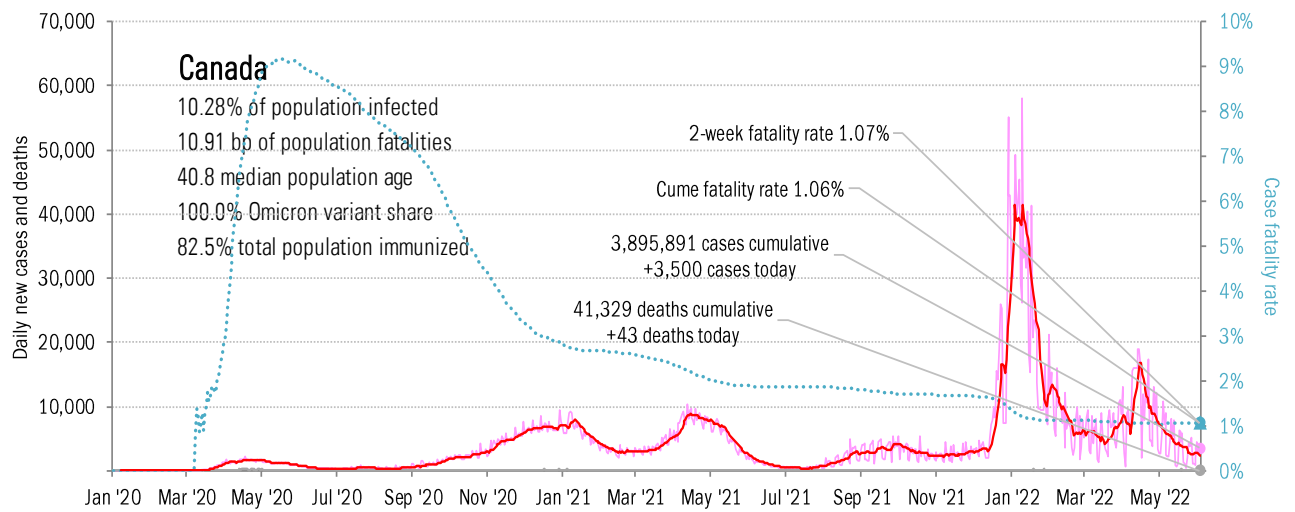
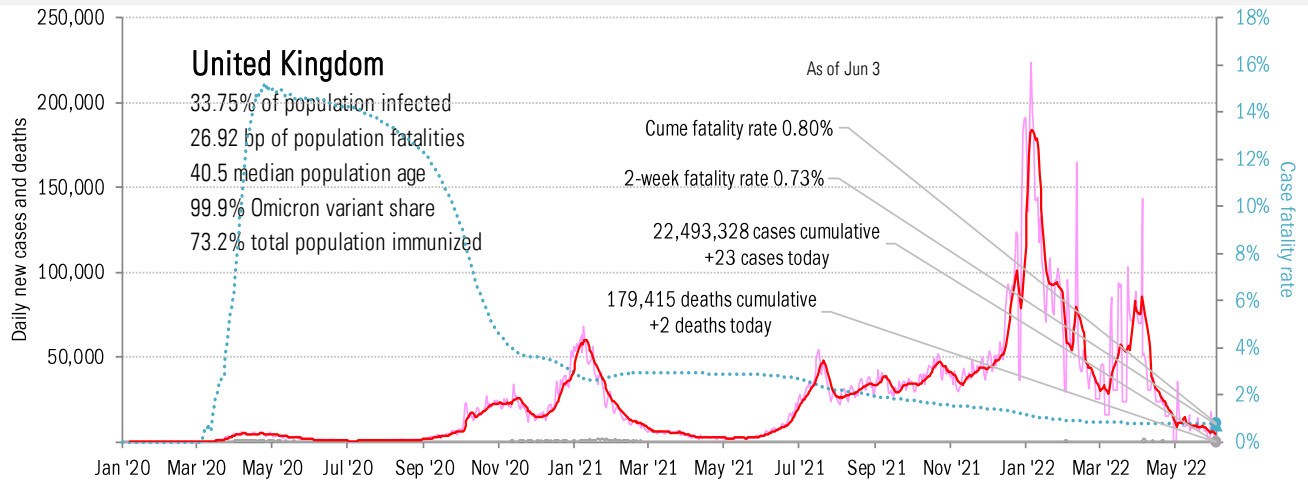


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

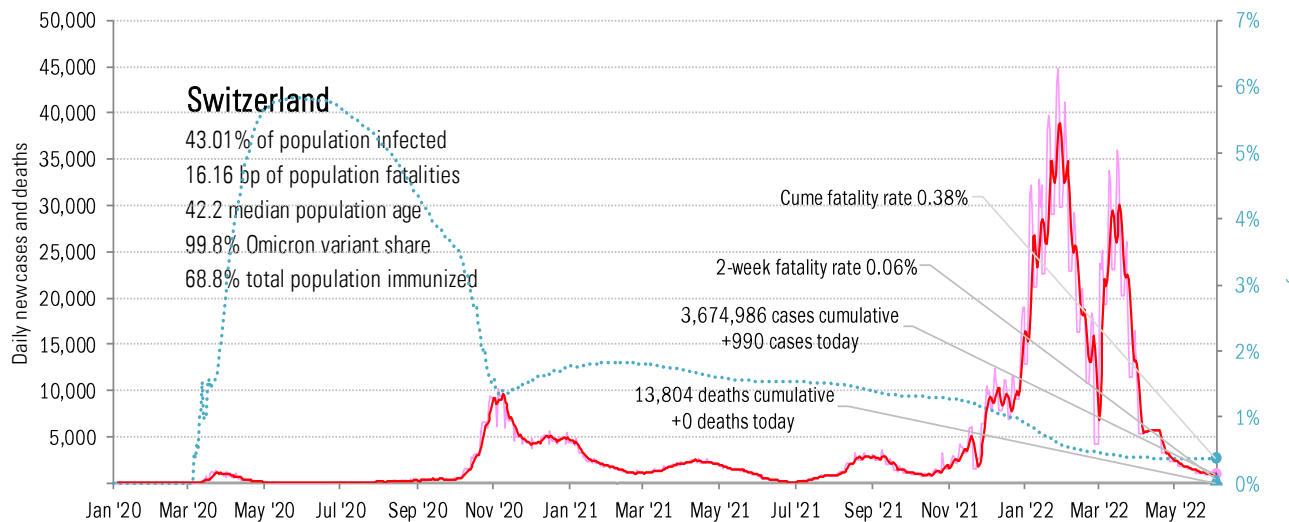
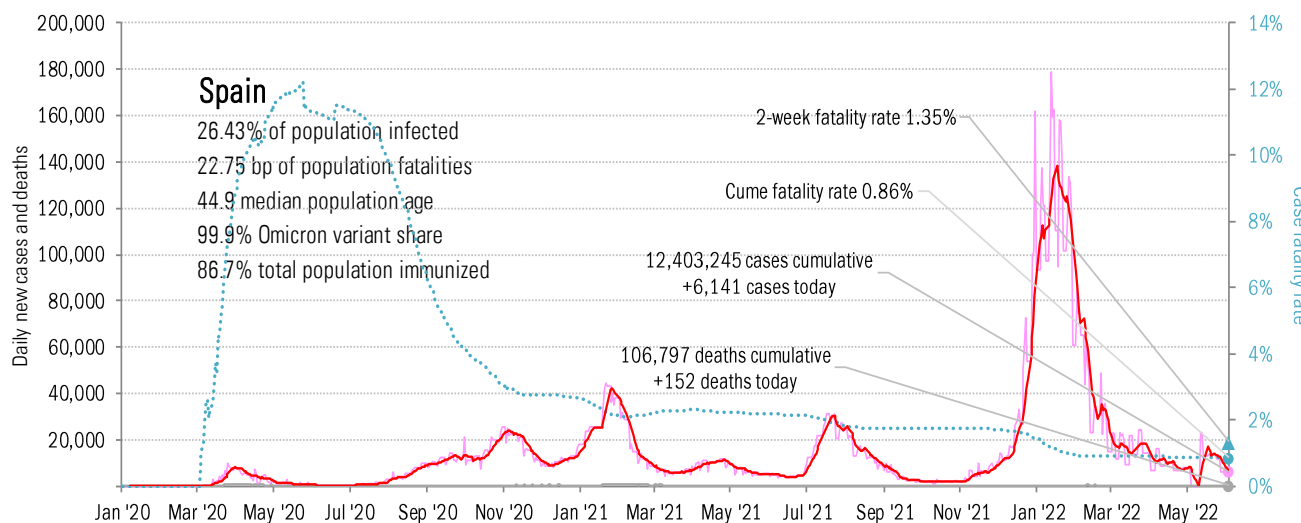
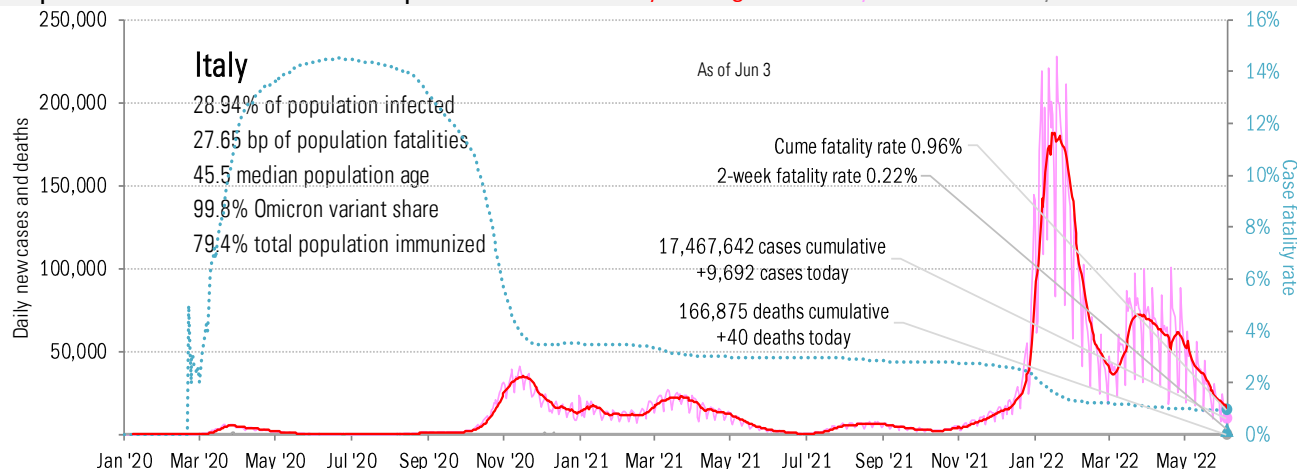
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

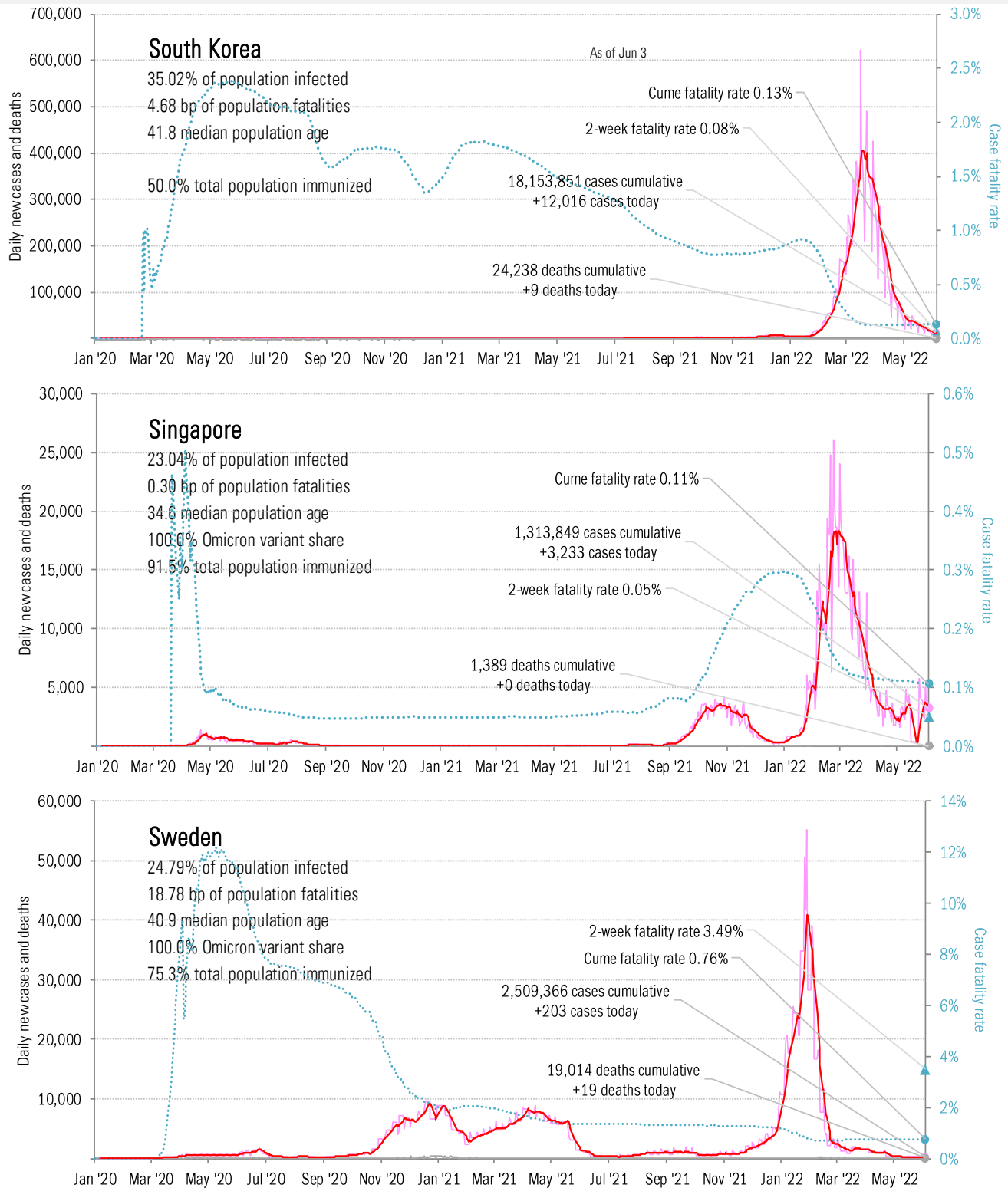
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

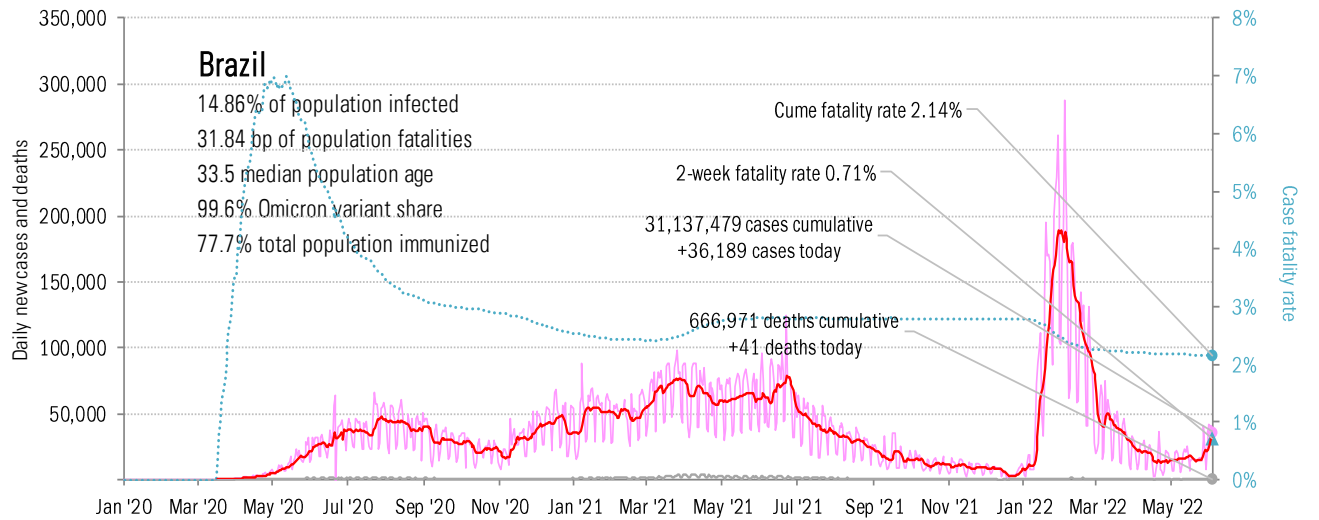
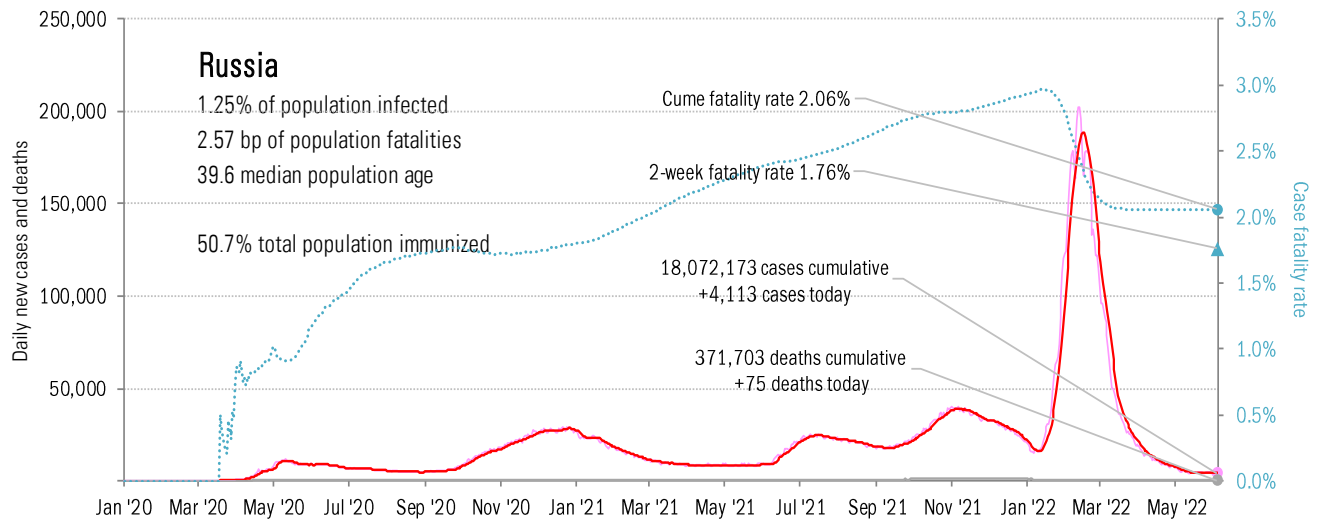
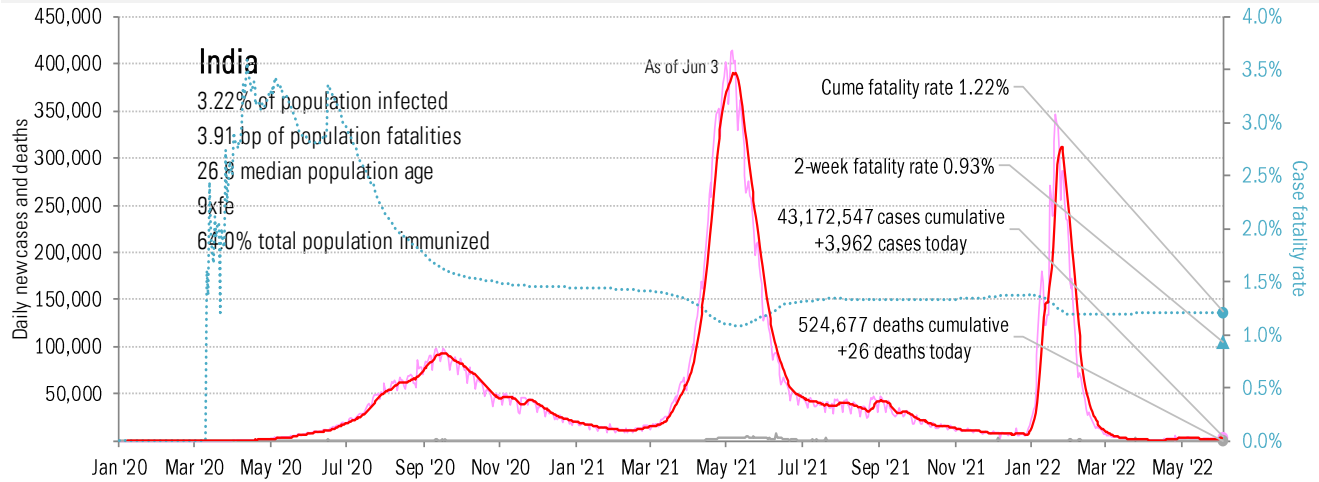
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

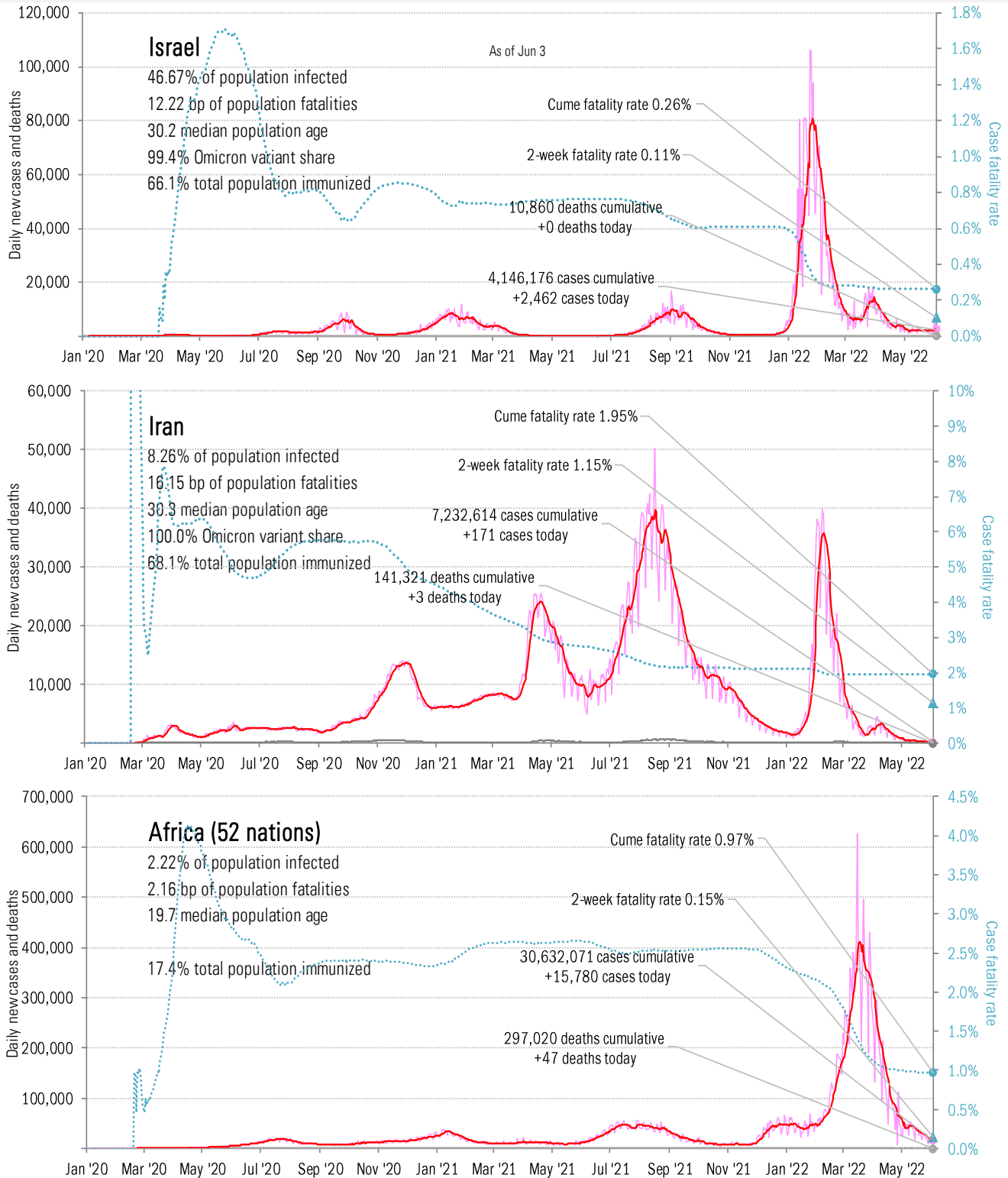
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

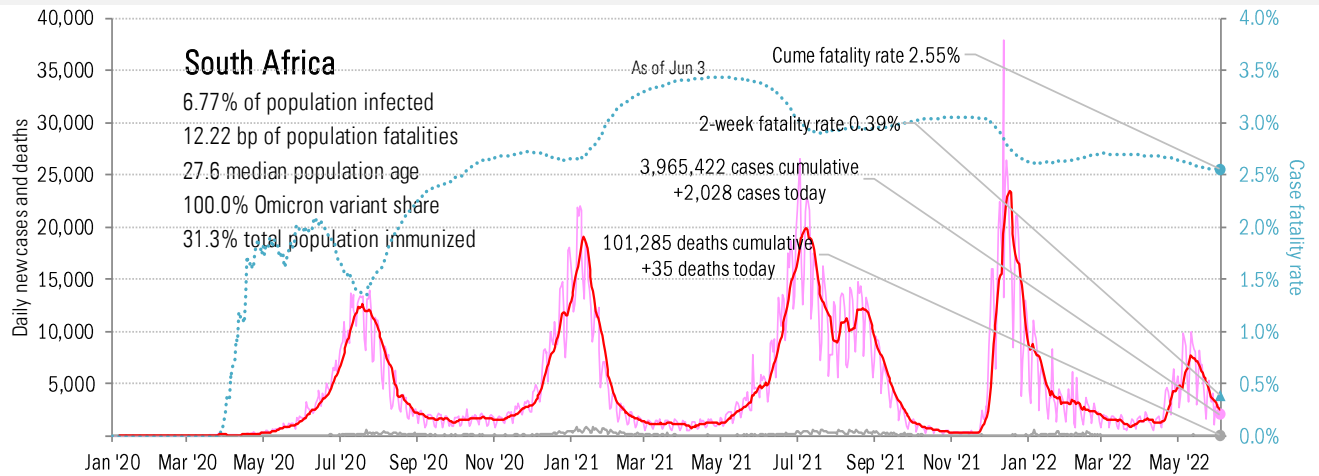
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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