

## Data Insights: Covid-2019 Monitor

Friday, November 11, 2022

### The global scorecard

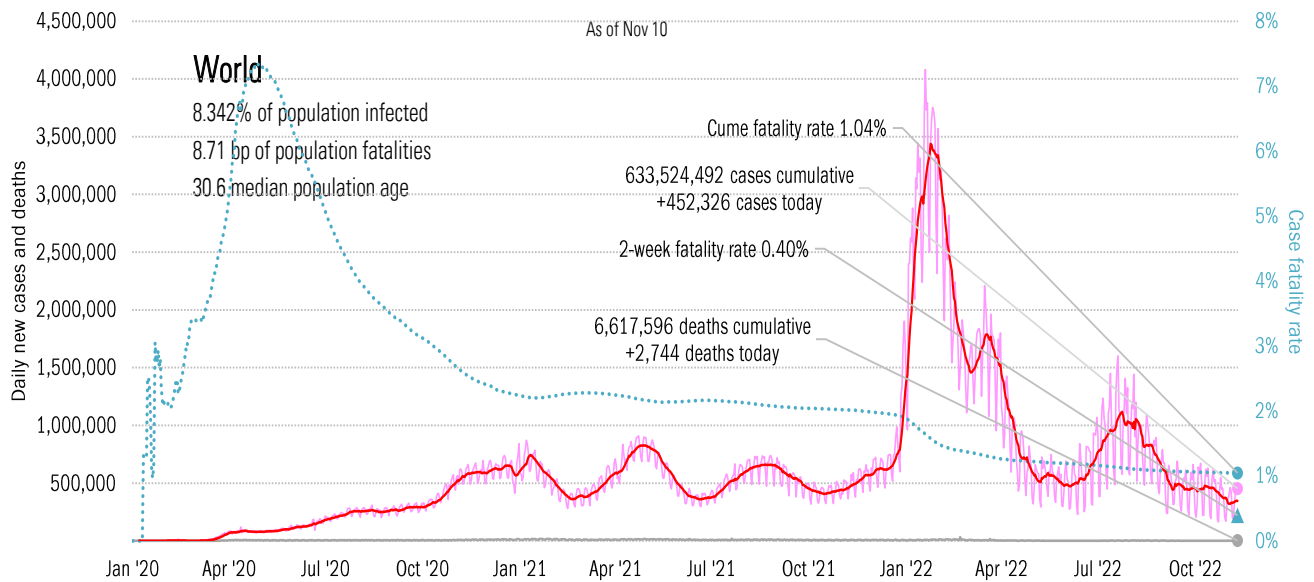
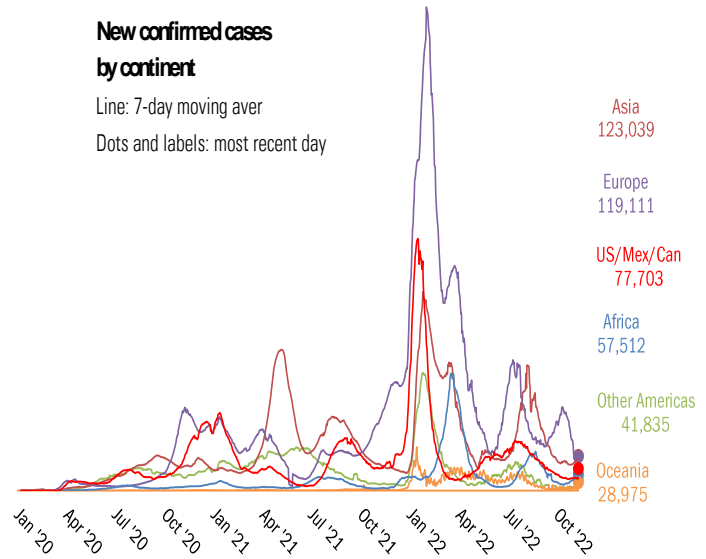
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

| New cases      |         | New Deaths     |       |
|----------------|---------|----------------|-------|
| Japan          | 78,577  | United Kingdom | 734   |
| Korea, South   | 54,519  | United States  | 364   |
| United States  | 41,321  | Germany        | 216   |
| Brazil         | 34,084  | Brazil         | 212   |
| Germany        | 33,703  | Finland        | 172   |
| Australia      | 28,958  | Canada         | 153   |
| France         | 27,068  | Sweden         | 104   |
| United Kingdom | 24,253  | Japan          | 100   |
| Taiwan*        | 22,320  | Taiwan*        | 66    |
| Finland        | 11,930  | Russia         | 59    |
| <b>356,733</b> |         | <b>2,180</b>   |       |
| World          | 452,326 | World          | 2,744 |
| Top ten        | 79%     | Top ten        | 79%   |

#### New confirmed cases by continent

Line: 7-day moving aver  
Dots and labels: most recent day



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

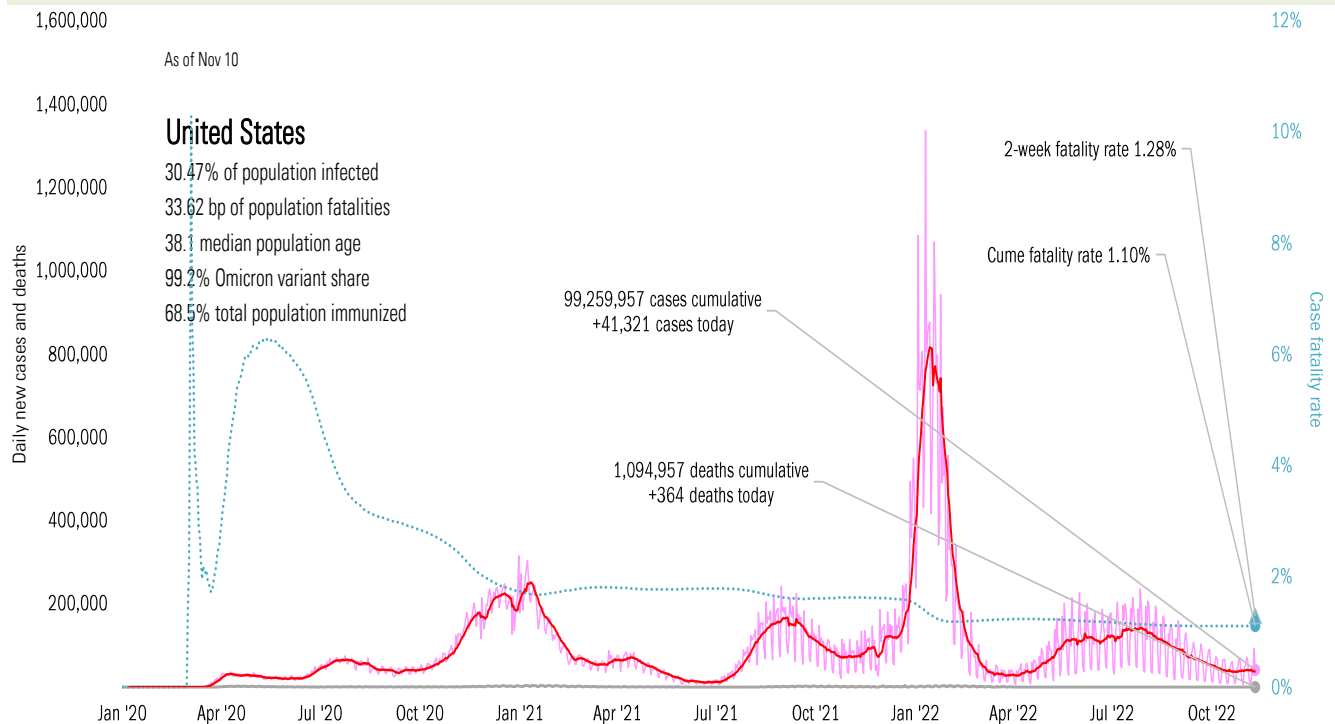
## The ten worst US states

| New cases  |        |  | New deaths |     |  | New in hospital |       |  | Cumulative cases |            |  | Cumulative deaths |           |  | Cumulative in hospital |           |  | Hospital use |     | ICU use |     |
|------------|--------|--|------------|-----|--|-----------------|-------|--|------------------|------------|--|-------------------|-----------|--|------------------------|-----------|--|--------------|-----|---------|-----|
| NY         | 4,462  |  | CA         | 72  |  | GA              | 103   |  | CA               | 11,411,646 |  | CA                | 97,106    |  | TX                     | 562,263   |  | RI           | 92% | TX      | 89% |
| CA         | 4,201  |  | FL         | 26  |  | TX              | 168   |  | FL               | 8,500,150  |  | TX                | 91,255    |  | CA                     | 510,826   |  | MA           | 88% | RI      | 86% |
| FL         | 3,308  |  | IL         | 26  |  | AZ              | 111   |  | TX               | 8,056,422  |  | FL                | 82,719    |  | FL                     | 500,626   |  | WA           | 87% | AL      | 86% |
| IL         | 2,186  |  | MI         | 24  |  | PA              | 214   |  | NY               | 6,296,298  |  | NY                | 73,434    |  | NY                     | 313,927   |  | GA           | 86% | MA      | 86% |
| NJ         | 2,135  |  | PA         | 22  |  | CA              | 328   |  | IL               | 3,834,924  |  | PA                | 47,994    |  | GA                     | 228,724   |  | MN           | 86% | AK      | 85% |
| PA         | 1,653  |  | NY         | 17  |  | MN              | 75    |  | PA               | 3,330,062  |  | GA                | 40,803    |  | CH                     | 224,769   |  | MO           | 85% | GA      | 85% |
| KY         | 1,611  |  | GA         | 15  |  | OR              | 36    |  | NC               | 3,255,540  |  | CH                | 40,289    |  | PA                     | 211,047   |  | MD           | 84% | NM      | 84% |
| CH         | 1,552  |  | MA         | 15  |  | MO              | 84    |  | CH               | 3,208,165  |  | IL                | 40,109    |  | IL                     | 192,757   |  | DC           | 84% | NC      | 84% |
| CO         | 1,471  |  | NJ         | 14  |  | CO              | 81    |  | GA               | 2,929,434  |  | MI                | 39,574    |  | MI                     | 168,077   |  | DE           | 83% | VT      | 84% |
| MI         | 1,427  |  | ME         | 13  |  | FL              | 162   |  | MI               | 2,907,819  |  | NJ                | 34,972    |  | KY                     | 147,050   |  | WV           | 83% | DC      | 82% |
| 24,007     |        |  | 244        |     |  | 1,362           |       |  | 53,730,460       |            |  | 588,255           |           |  | 3,050,066              |           |  |              |     |         |     |
| All states | 41,321 |  |            | 364 |  |                 | 3,416 |  | All states       | 99,259,957 |  |                   | 1,094,957 |  |                        | 5,538,750 |  | All states   | 70% |         | 67% |
| Top ten    | 58%    |  |            | 67% |  |                 | 40%   |  | Top ten          | 54%        |  |                   | 55%       |  |                        | 55%       |  | Median       | 78% |         | 75% |

Some states not reporting

## Five most improved US states

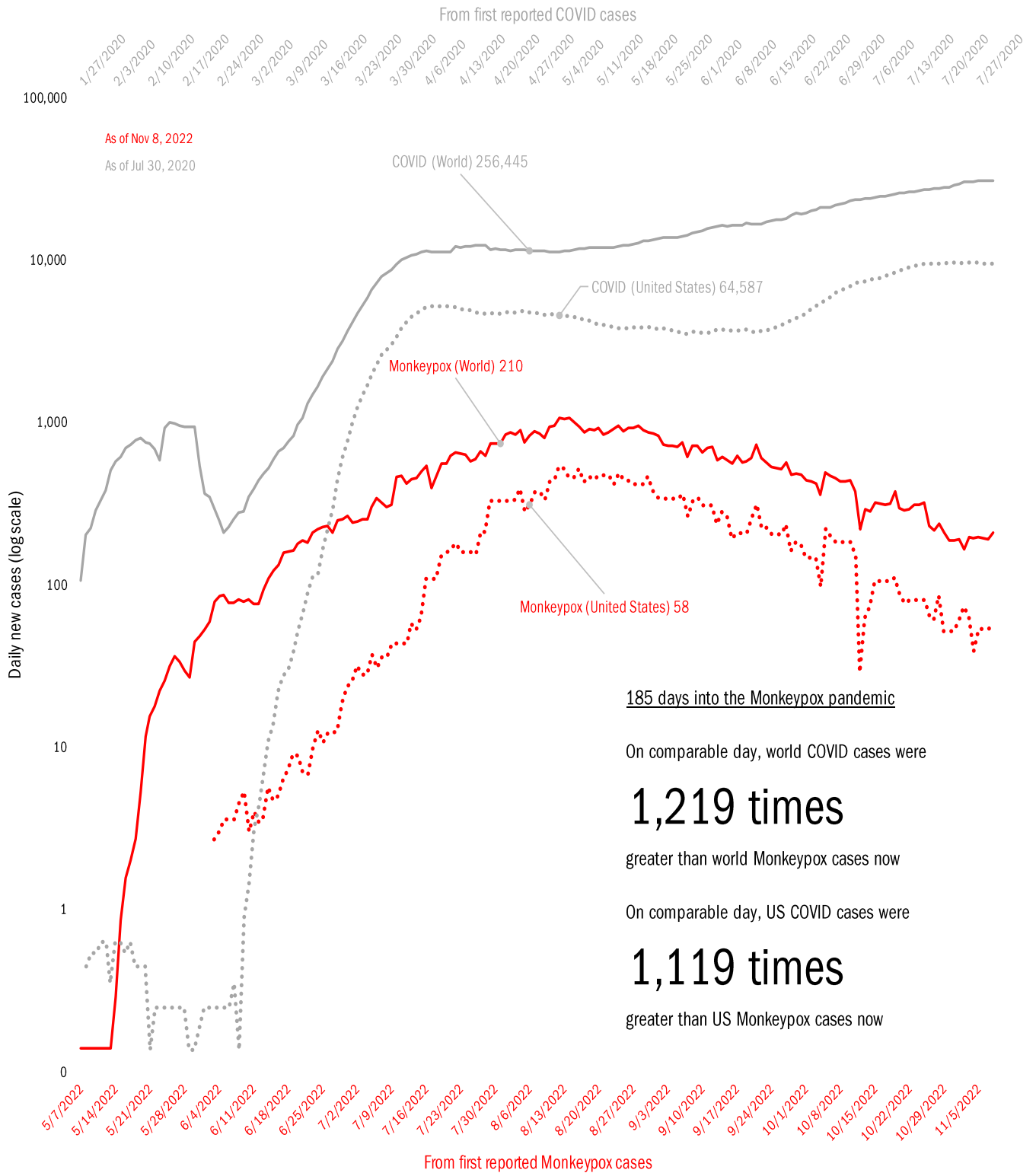
| Fewer daily cases |        | Fewer new deaths |     | Fewer new hospitalizations |     |
|-------------------|--------|------------------|-----|----------------------------|-----|
| TX                | -2,907 | NY               | -31 | CH                         | -57 |
| NY                | -2,124 | FL               | -26 | MA                         | -48 |
| NC                | -1,299 | TX               | -12 | MI                         | -42 |
| WV                | -245   | CT               | -6  | CA                         | -39 |
| AR                | -152   | NH               | -5  | VA                         | -38 |



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

# The Monkeypox contextualizer

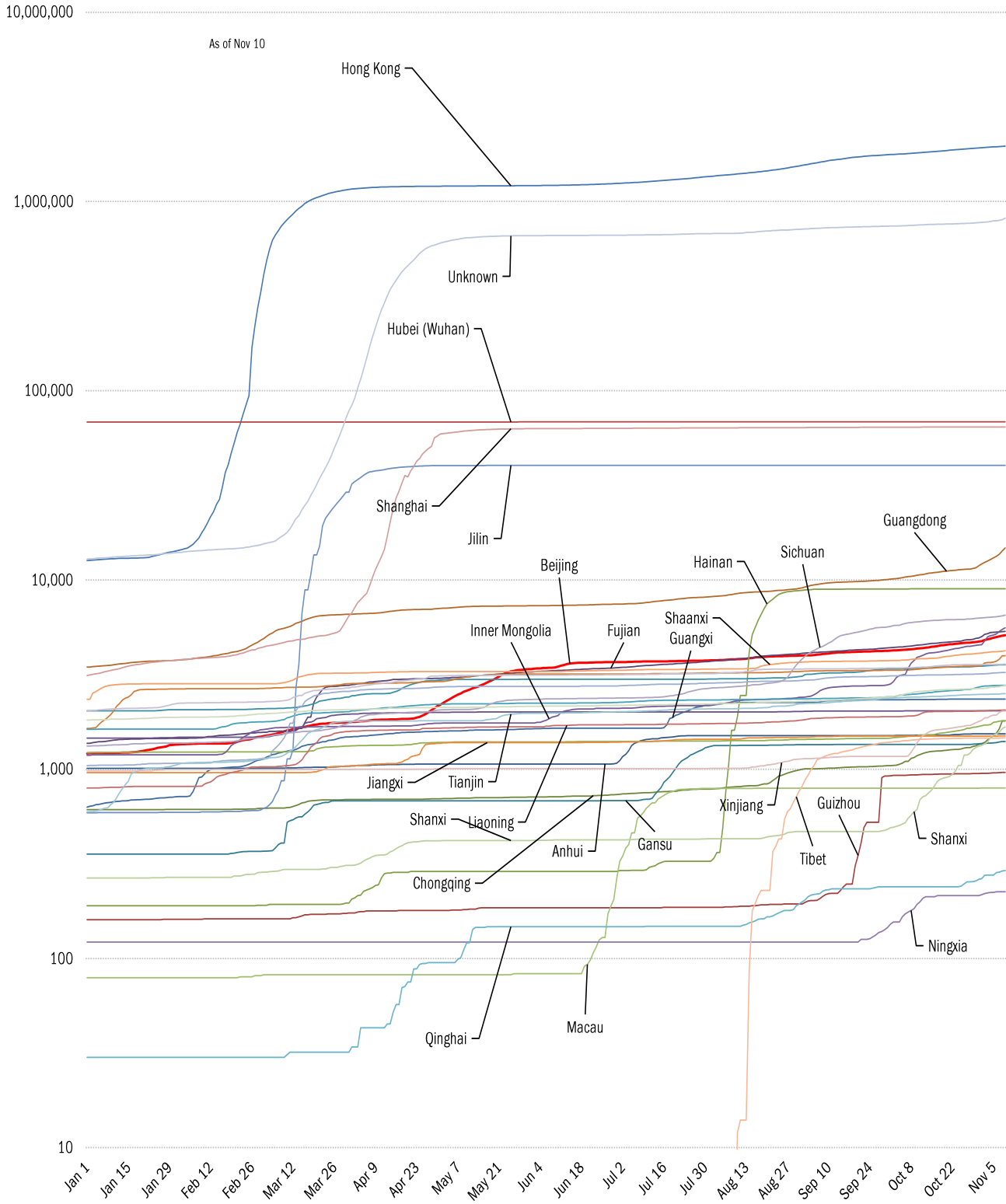
## The course of case growth versus COVID



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"*

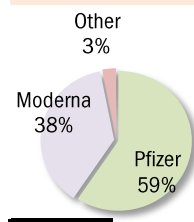


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered Doses | Cumulative      | Today                             | Immunity    | Full  | Partial        |
|--------------------|-----------------|-----------------------------------|-------------|-------|----------------|
|                    | 662,681,441     | +0.815 million                    | US          | 68.5% | 80.2%          |
|                    |                 | Of which boosters: +0.815 million | UK          | 75.2% | 79.7%          |
|                    | <b>One dose</b> | <b>% Pop</b>                      | France      | 78.3% | 80.5%          |
|                    | <b>Immune</b>   | <b>% pop</b>                      | Spain       | 85.5% | 86.9%          |
| Total population   | 275,346,421     | 82%                               | 234,555,714 | 70%   | +0.062 million |
| Age 12 to 17       | 18,347,933      | 73%                               | 15,688,853  | 62%   | +0.003 million |
| Age 18 to 64       | 183,281,042     | 90%                               | 155,734,230 | 77%   | +0.034 million |
| Age 65 and over    | 60,724,196      | 100%                              | 53,130,217  | 97%   | +0.015 million |
|                    |                 |                                   | Germany     | 76.2% | 77.7%          |
|                    |                 |                                   | Italy       | 81.3% | 86.1%          |
|                    |                 |                                   | Australia   | 83.2% | 85.7%          |
|                    |                 |                                   | Israel      | 65.2% | 71.1%          |
|                    |                 |                                   | Canada      | 82.3% | 88.3%          |
|                    |                 |                                   | Japan       | 83.1% | 84.2%          |
|                    |                 |                                   | Africa      | 24.8% | 31.0%          |
|                    |                 |                                   | India       | 67.1% | 72.5%          |
|                    |                 |                                   | Brazil      | 80.0% | 87.0%          |
|                    |                 |                                   | China       | 89.2% | 91.4%          |



|           |
|-----------|
| <b>AK</b> |
| 72.3%     |
| 64.7%     |

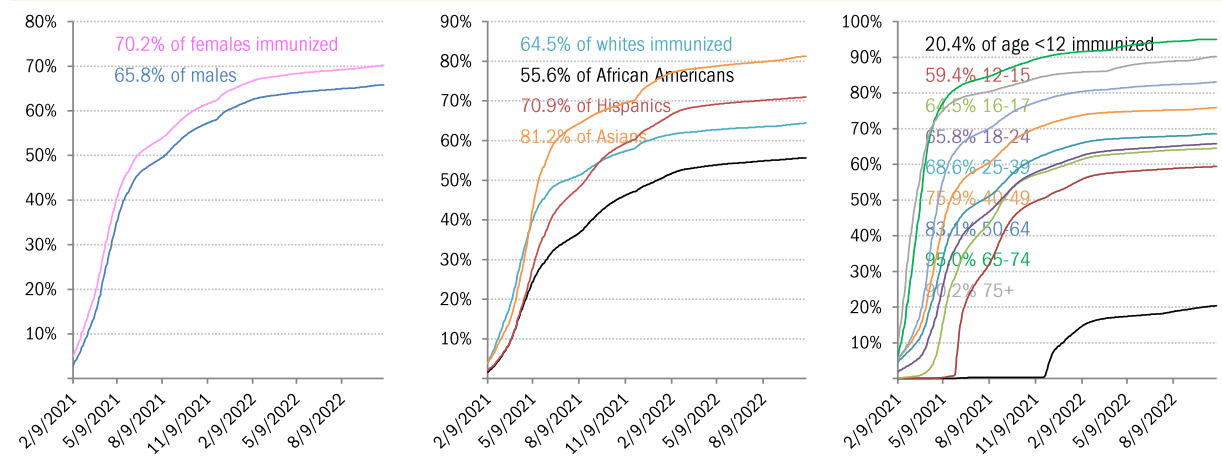
| State                                     | Best   |
|---|--------|
| At least partial immunity as % population | Middle |
| Full immunity as % population             | Worst  |

\*Immunity\* = two doses

As of Nov 11

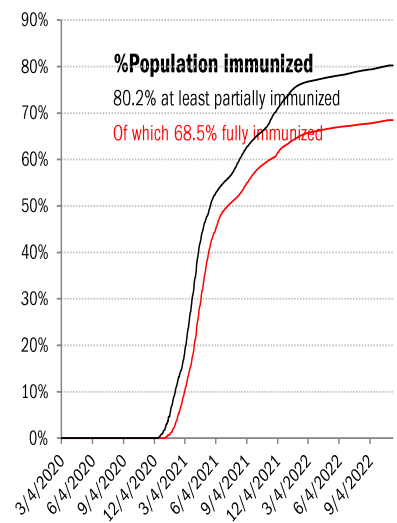
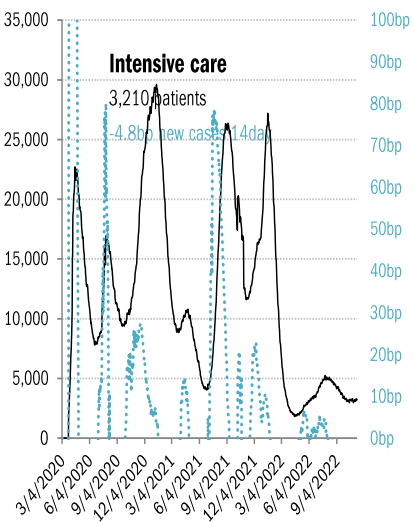
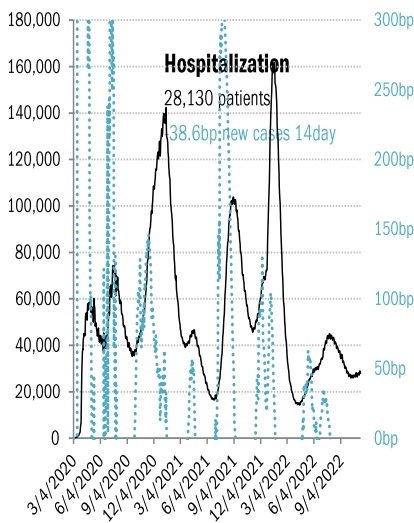
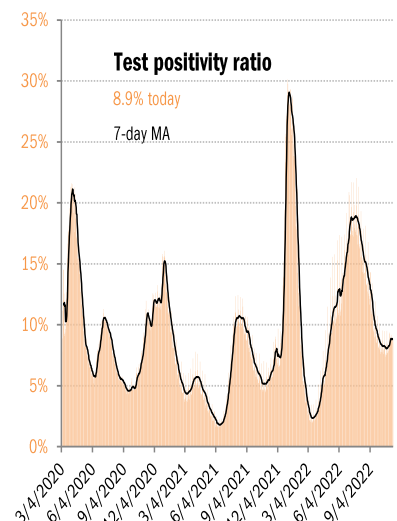
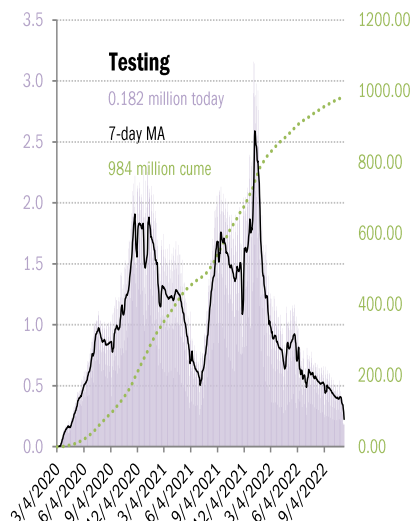
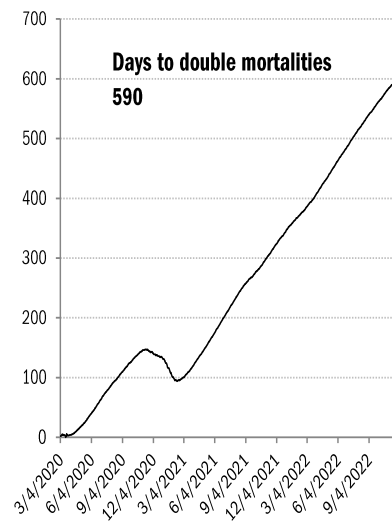
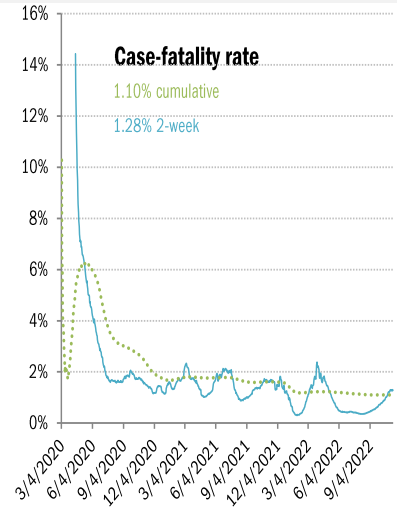
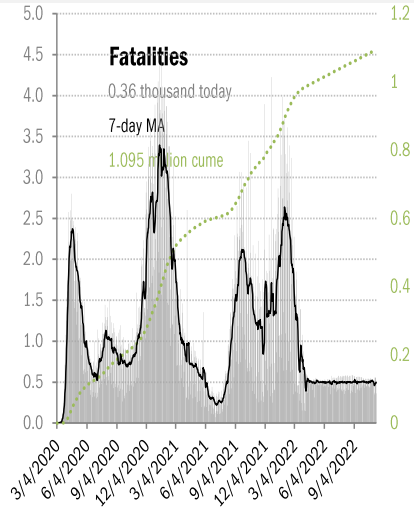
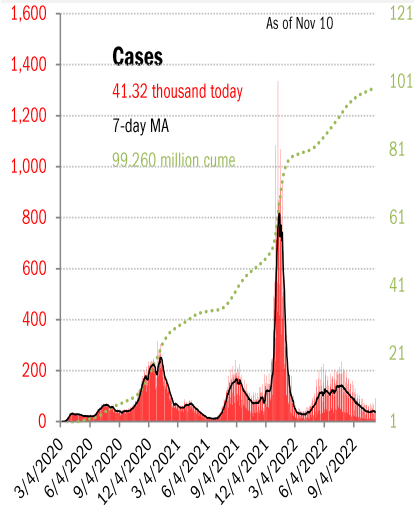
|           |           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|           |           |           |           |           | <b>WI</b> |           |           |           |           |           | <b>ME</b> |
|           |           |           |           |           | 74.3%     |           |           |           |           |           | 95.0%     |
|           |           |           |           |           | 67.6%     |           |           |           |           |           | 82.4%     |
| <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> |           |
| 84.2%     | 63.3%     | 67.5%     | 68.5%     | 77.9%     | 78.5%     | 68.9%     |           | 93.4%     | 95.0%     | 86.2%     |           |
| 75.2%     | 56.0%     | 58.6%     | 57.9%     | 71.4%     | 70.7%     | 61.9%     |           | 79.8%     | 84.4%     | 70.5%     |           |
| <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> |           |           |
| 80.5%     | 78.0%     | 60.3%     | 82.3%     | 70.0%     | 63.8%     | 65.2%     | 89.2%     | 93.6%     | 95.0%     |           |           |
| 71.6%     | 62.9%     | 52.6%     | 65.3%     | 63.8%     | 57.3%     | 60.0%     | 72.1%     | 78.3%     | 82.9%     |           |           |
| <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> |           |
| 85.5%     | 74.5%     | 82.7%     | 72.6%     | 68.6%     | 68.2%     | 67.0%     | 89.6%     | 90.5%     | 95.0%     | 95.0%     |           |
| 74.4%     | 66.1%     | 72.8%     | 65.6%     | 58.3%     | 59.1%     | 59.3%     | 75.7%     | 78.8%     | 82.2%     | 86.7%     |           |
|           | <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> |           |           |
|           | 76.3%     | 92.7%     | 75.3%     | 69.1%     | 64.0%     | 90.3%     | 70.3%     | 95.0%     | 86.6%     |           |           |
|           | 65.4%     | 74.2%     | 64.5%     | 56.3%     | 56.0%     | 65.8%     | 59.3%     | 83.6%     | 72.0%     |           |           |
|           |           |           | <b>OK</b> | <b>LA</b> | <b>MS</b> | <b>AL</b> | <b>GA</b> |           |           |           |           |
|           |           |           | 73.8%     | 62.5%     | 61.3%     | 64.4%     | 67.6%     |           |           |           |           |
|           |           |           | 59.8%     | 54.8%     | 53.4%     | 52.6%     | 56.7%     |           |           |           |           |
|           |           |           | <b>TX</b> |           |           |           |           |           |           |           |           |
|           |           |           | 75.5%     |           |           |           |           |           |           |           |           |
|           |           |           | 62.7%     |           |           |           |           |           |           |           |           |
|           |           |           |           |           |           |           |           | <b>FL</b> |           | <b>PR</b> |           |
|           |           |           |           |           |           |           |           | 81.7%     |           | 95.0%     |           |
|           |           |           |           |           |           |           |           | 68.9%     |           | 86.4%     |           |

## The demographics of US vaccination

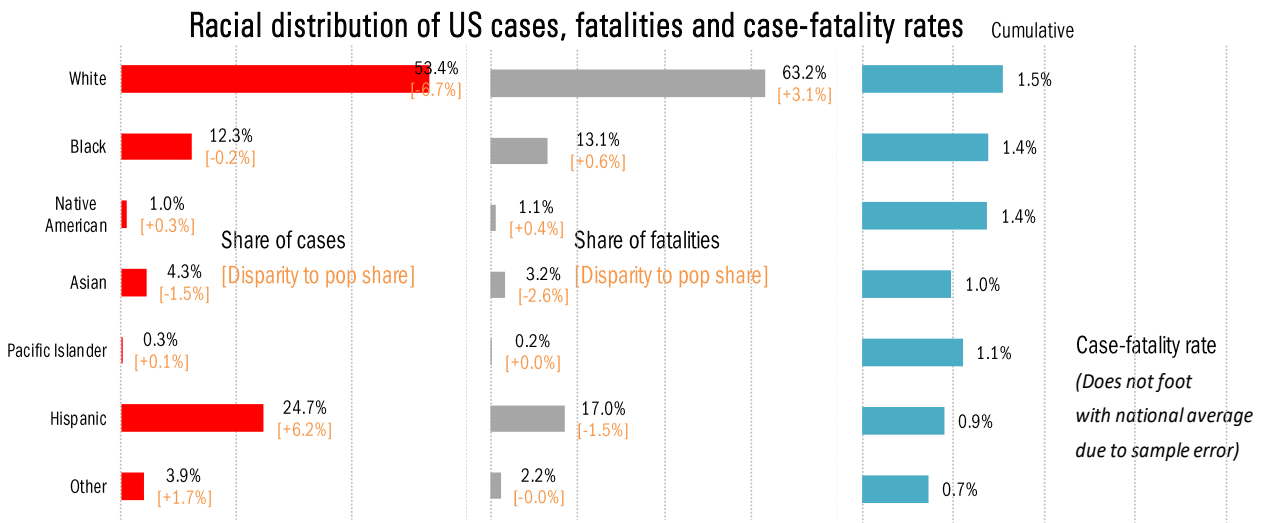
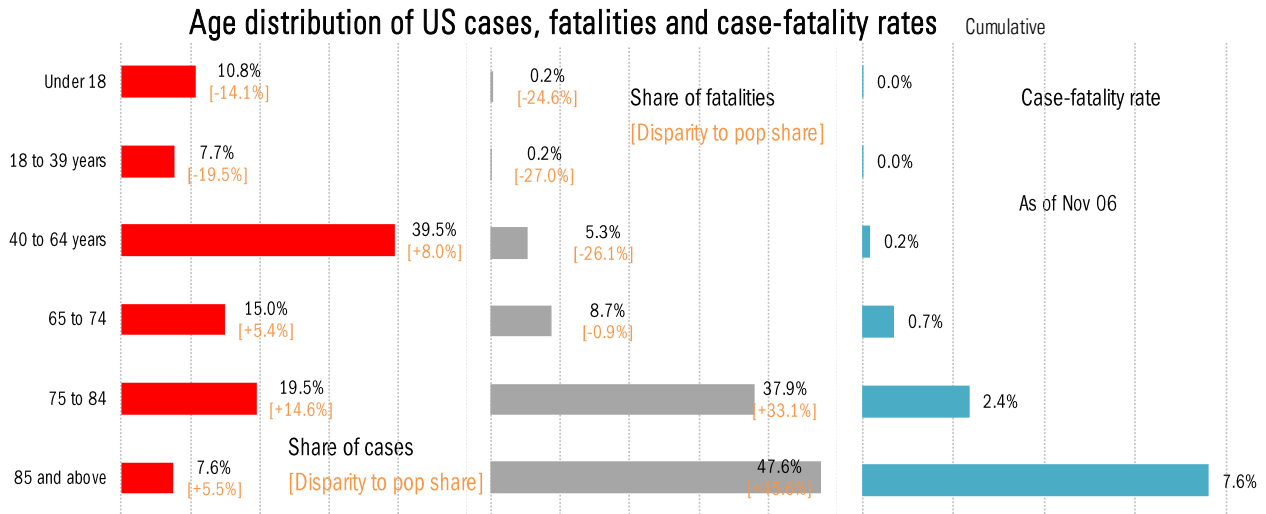


Source: CDC, CDC, Our World in Data, TrendMacro calculations

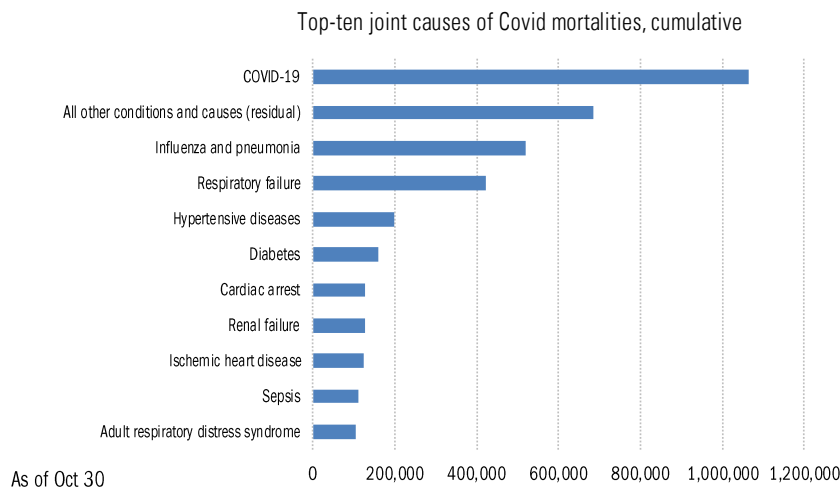
# US deep-dive



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

[DeSantis's COVID Gamble Paid Off](#)

Helen Lewis  
*The Atlantic*  
November 10, 2022

[Dementia Don](#)

John Hinderaker  
*Power Line Blog*  
November 10, 2022

[Donald Trump's Covid Attack On Ron DeSantis Will Backfire Spectacularly](#)

Phillip Klein  
*National Review*  
November 10, 2022

## Meme of the day

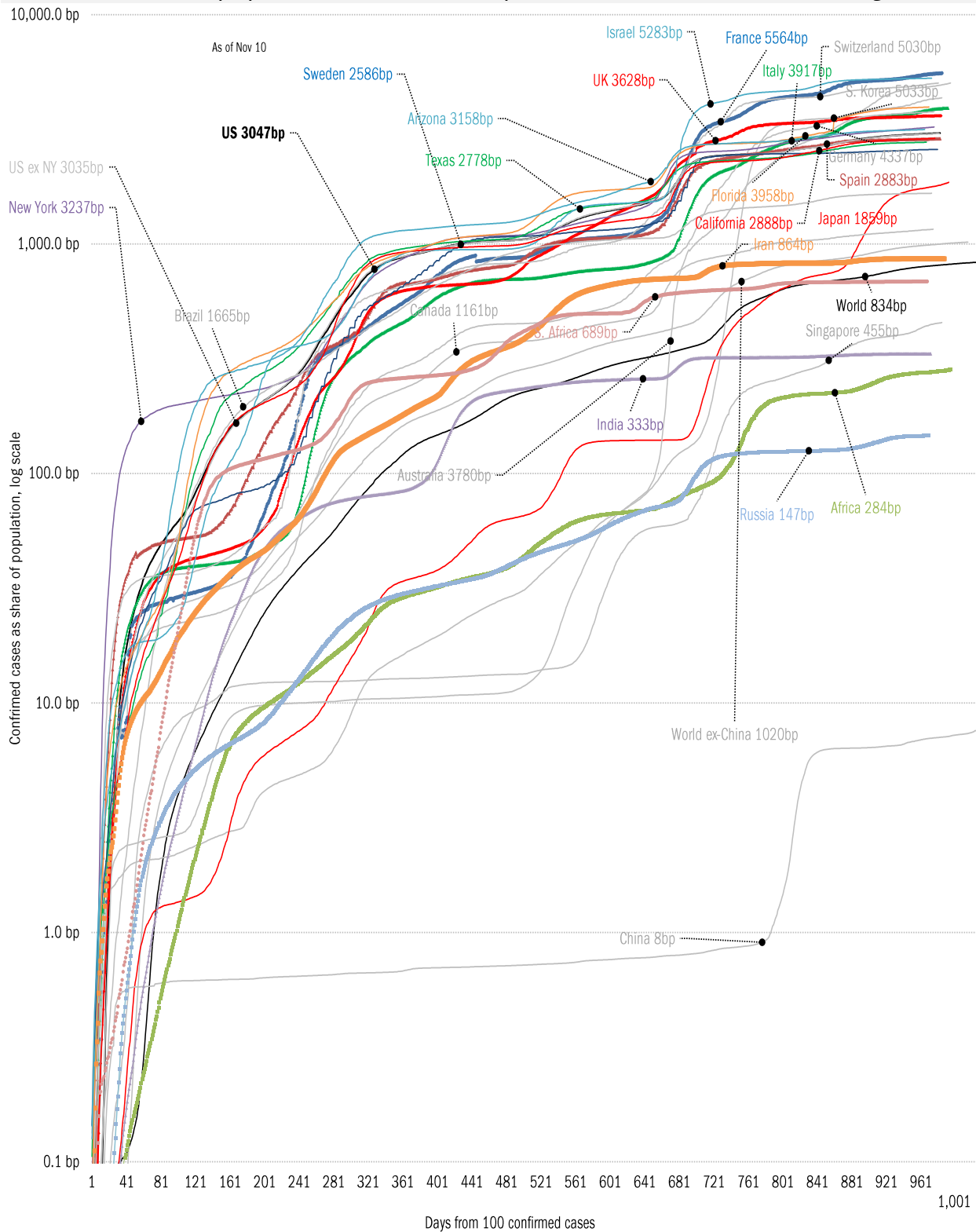


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



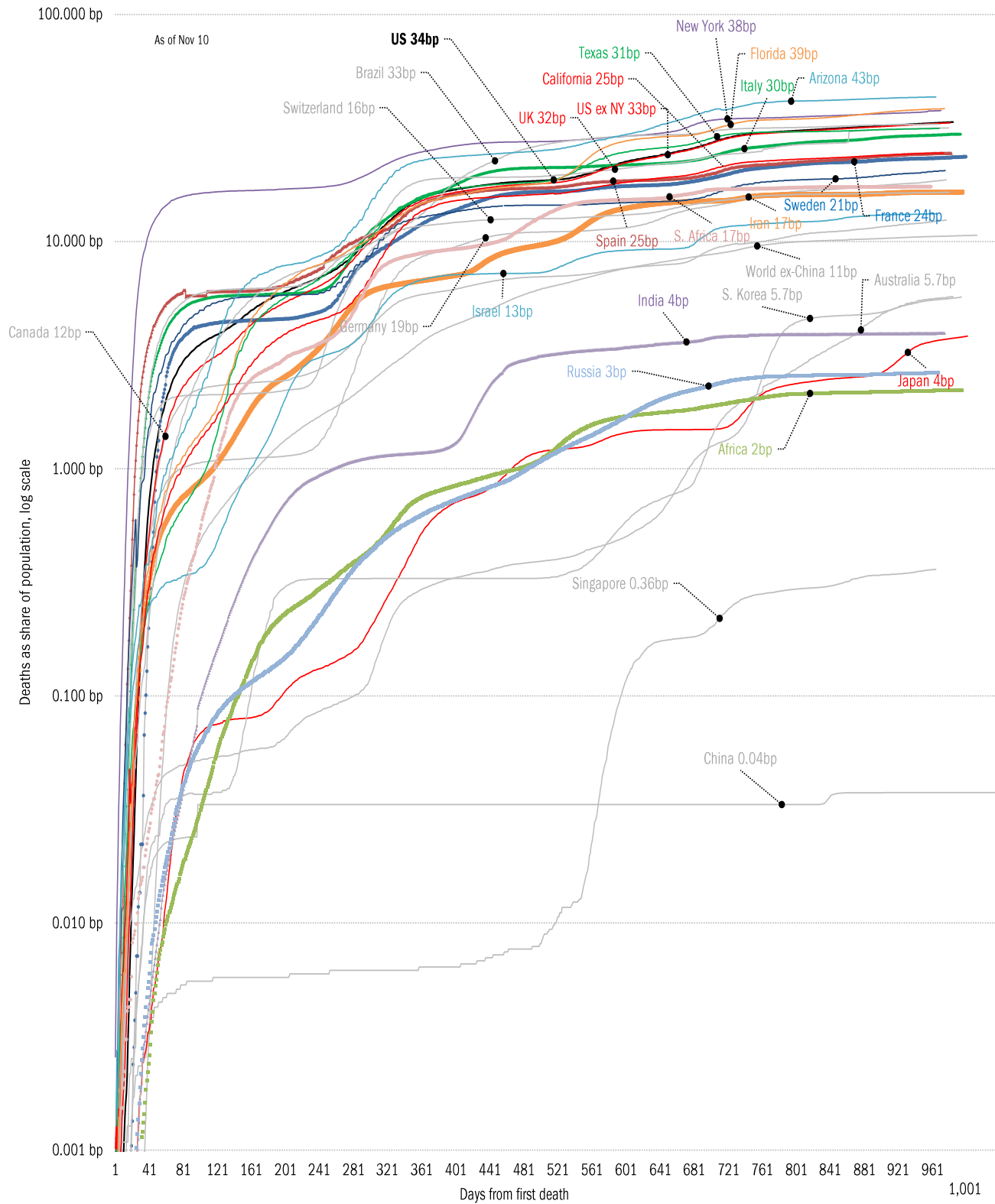
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*

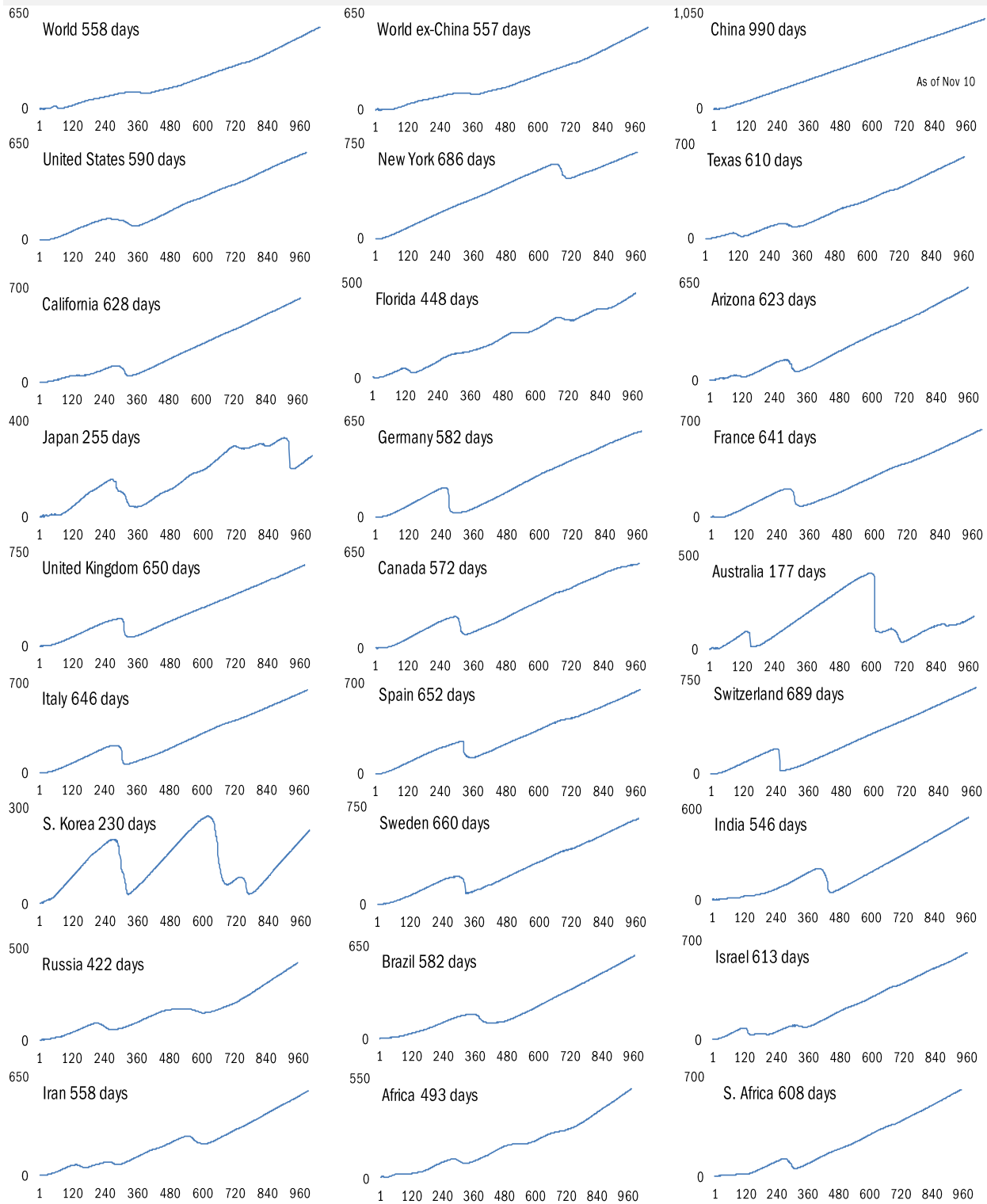


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

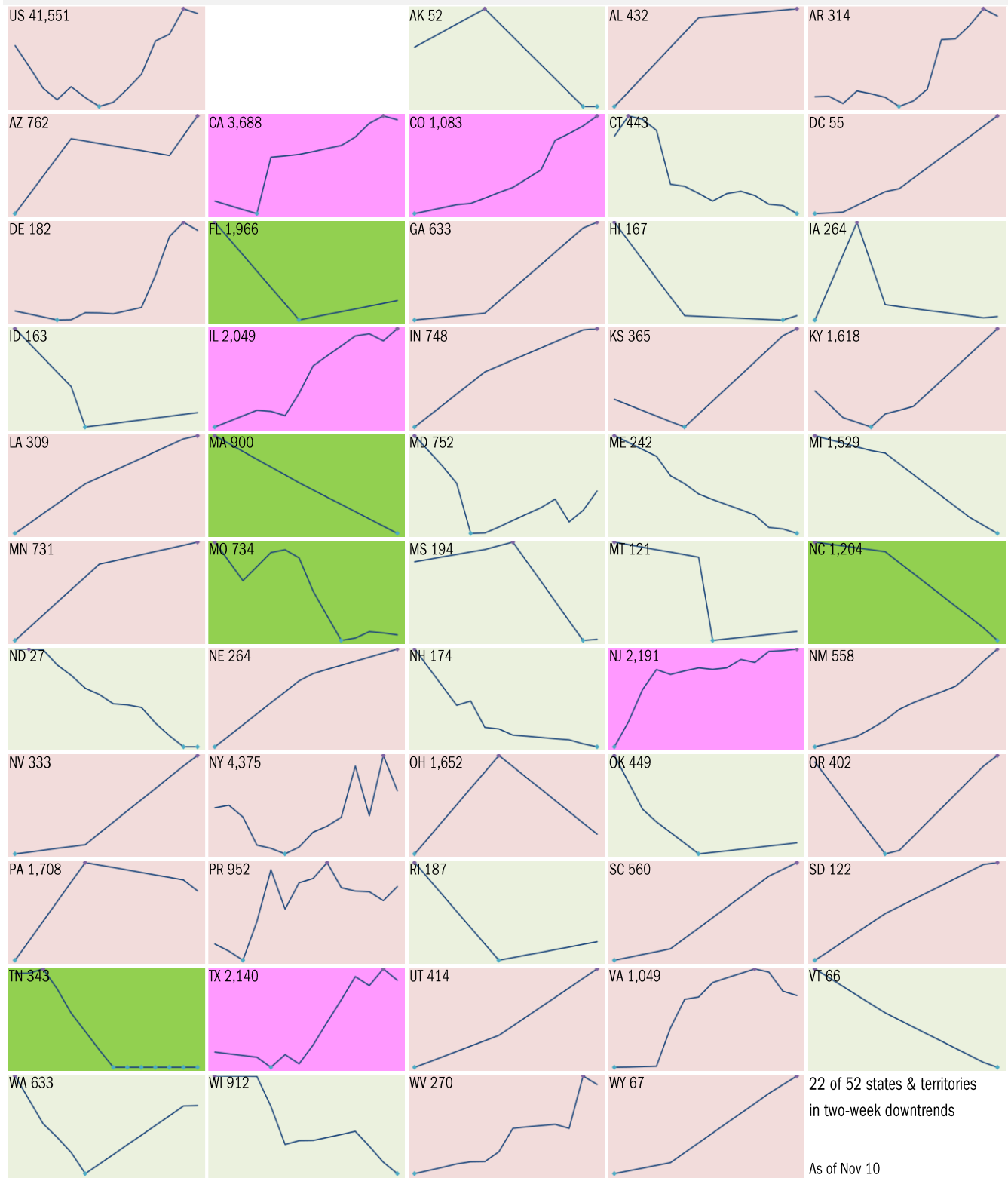


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

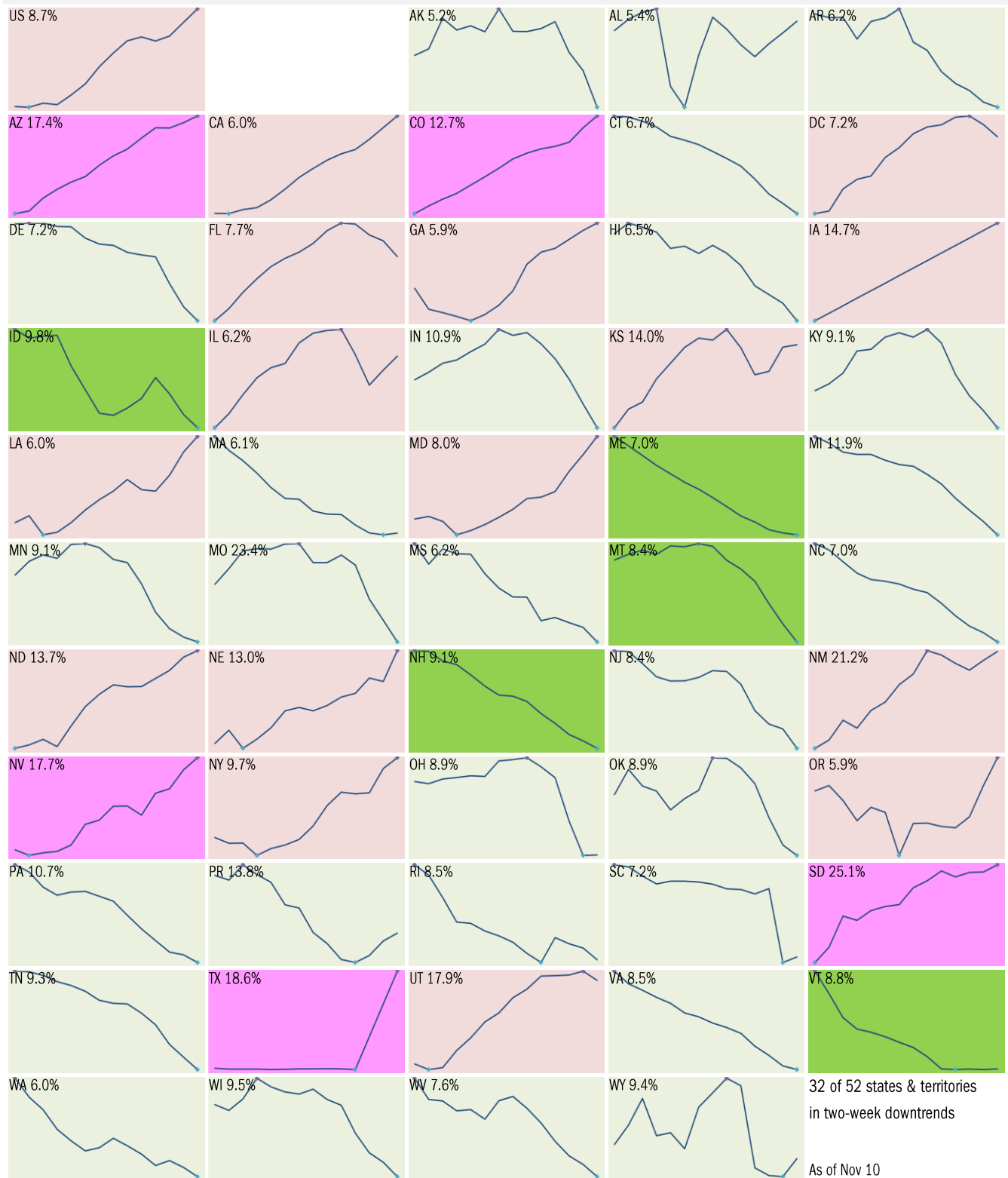


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

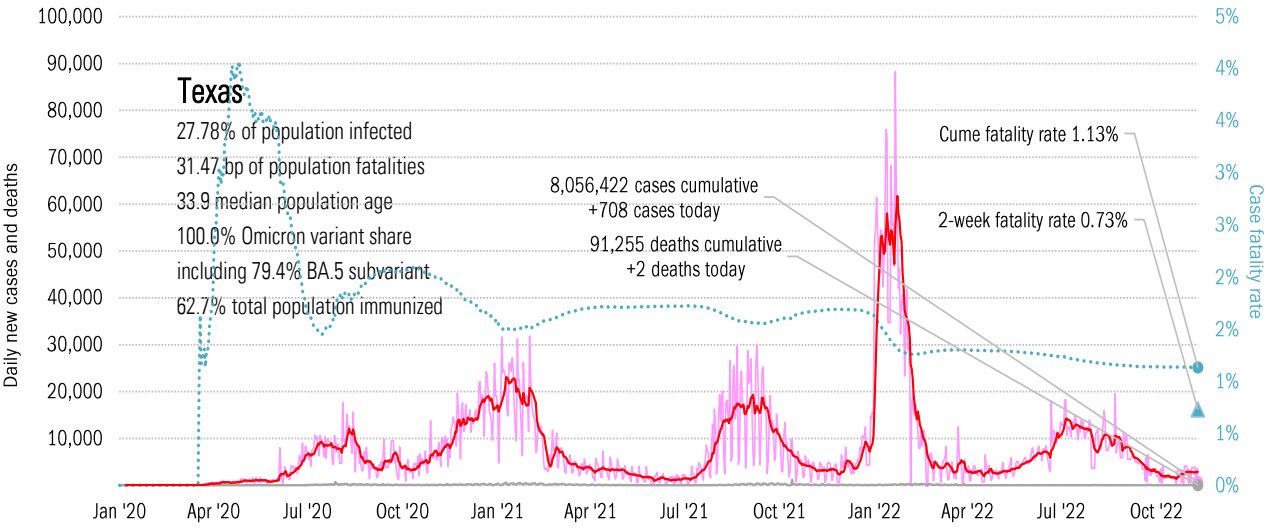
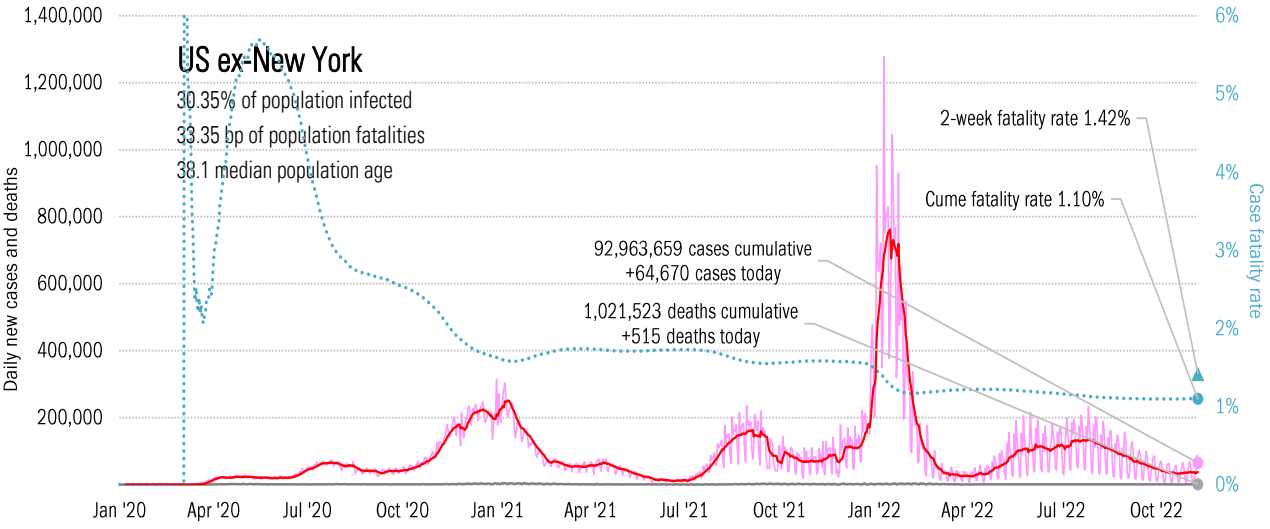
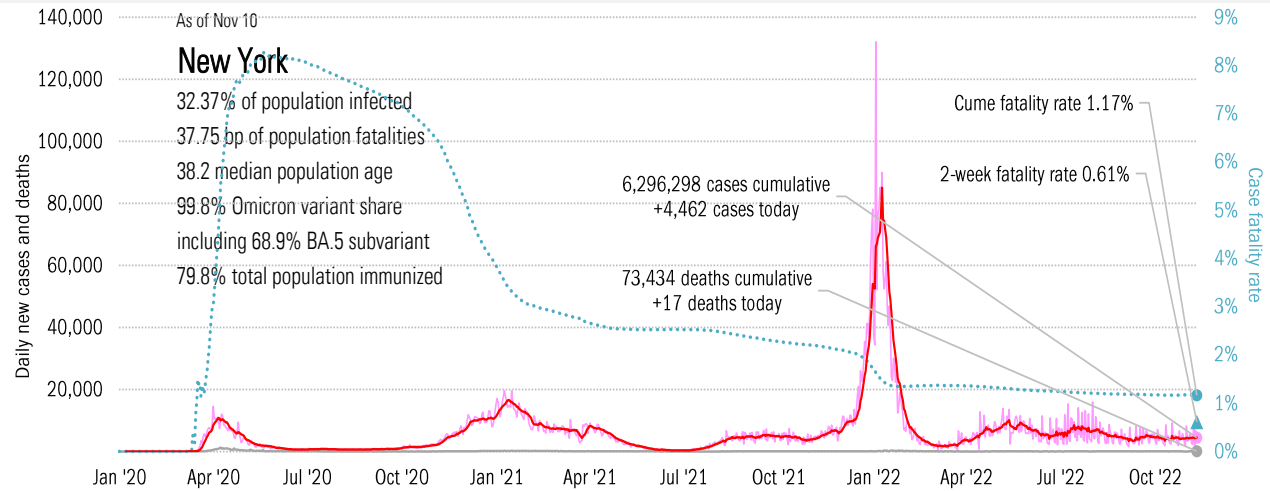
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

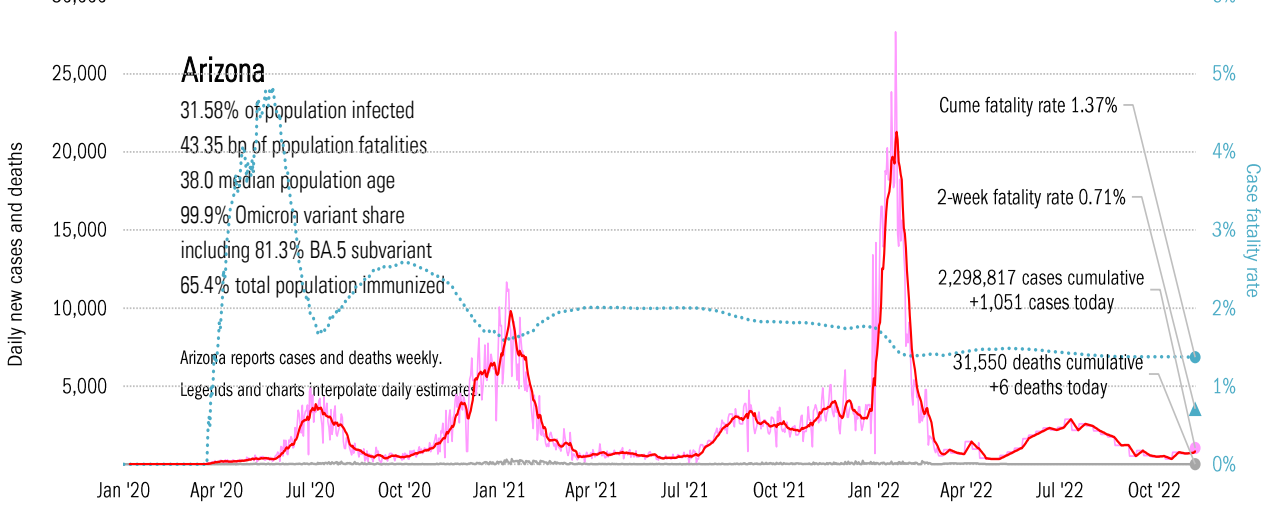
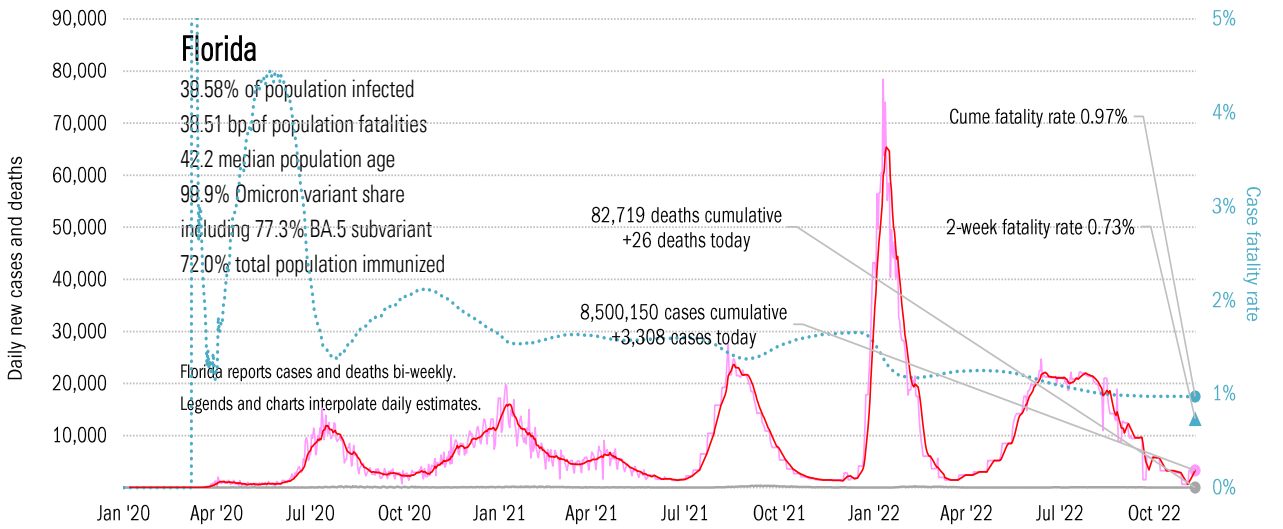
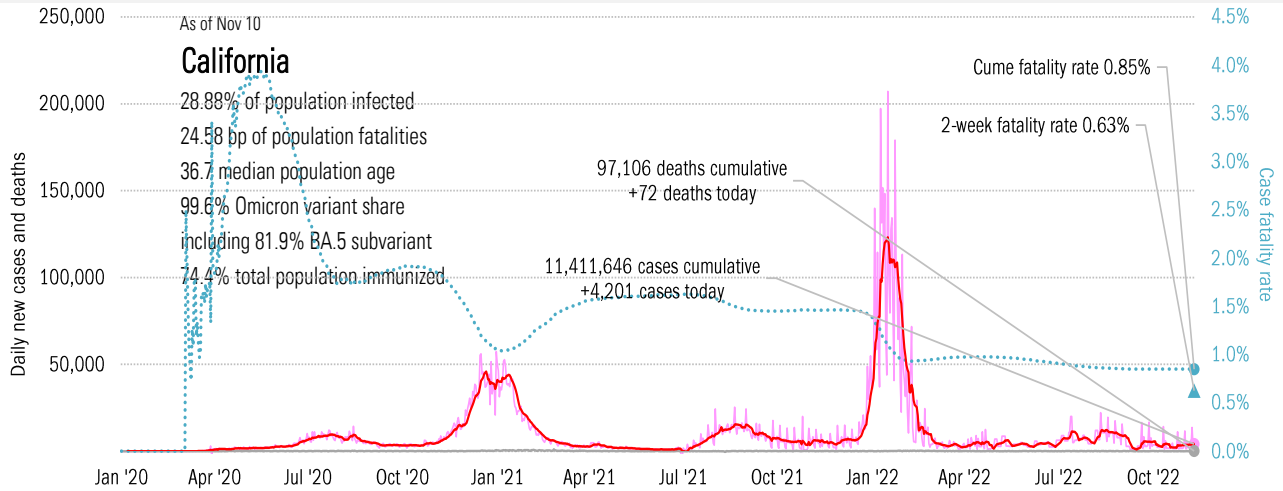
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

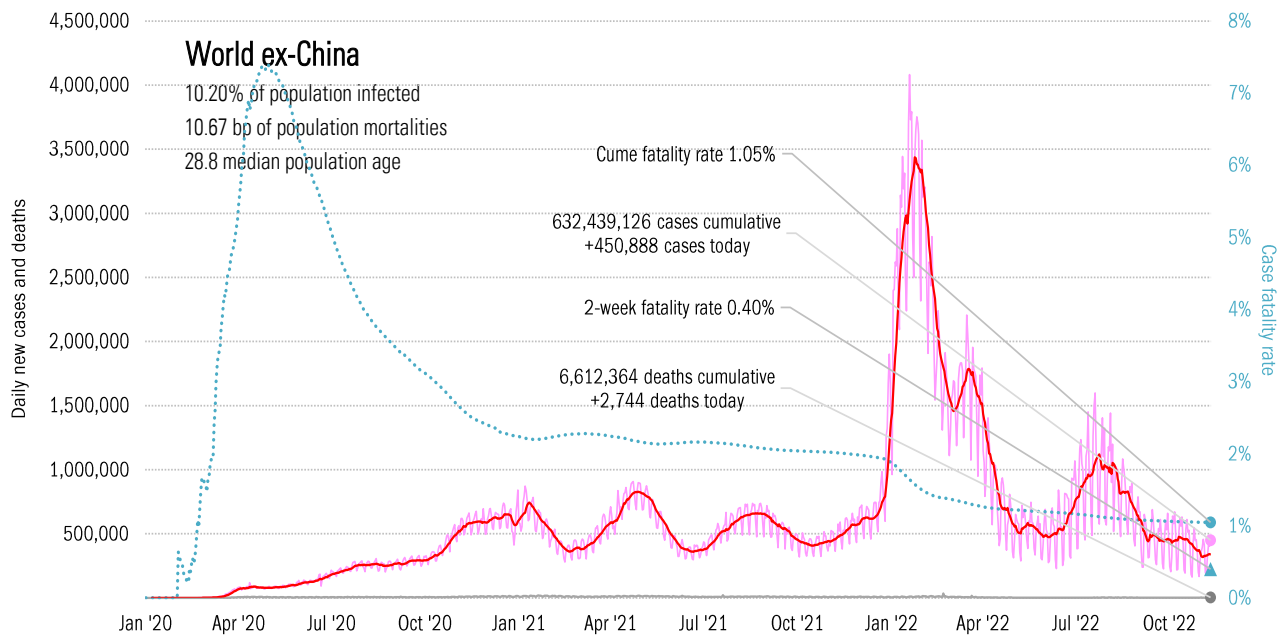
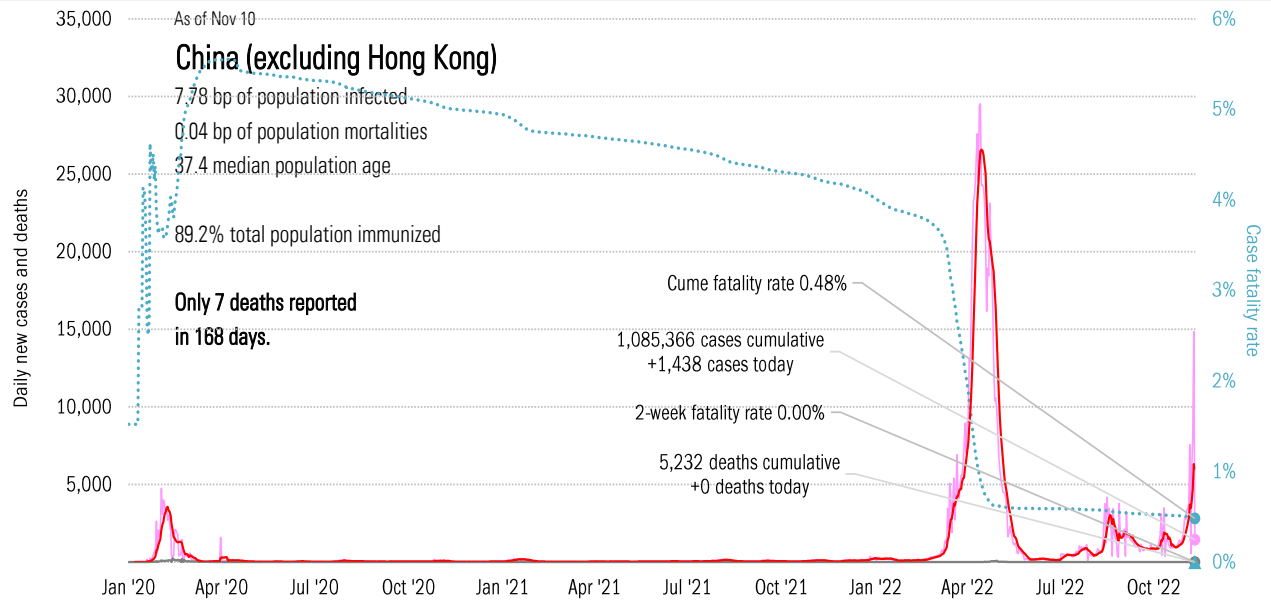
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

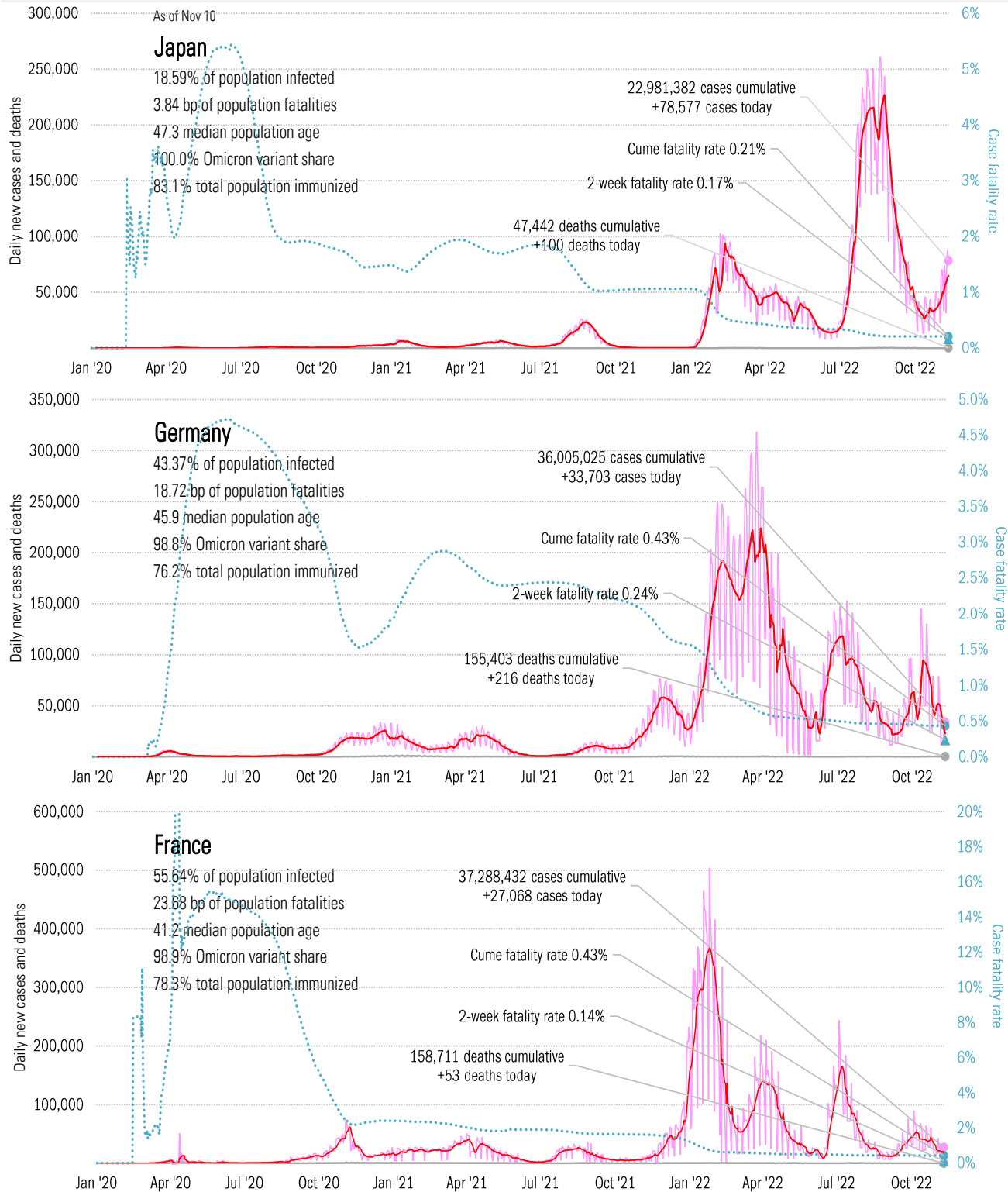


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

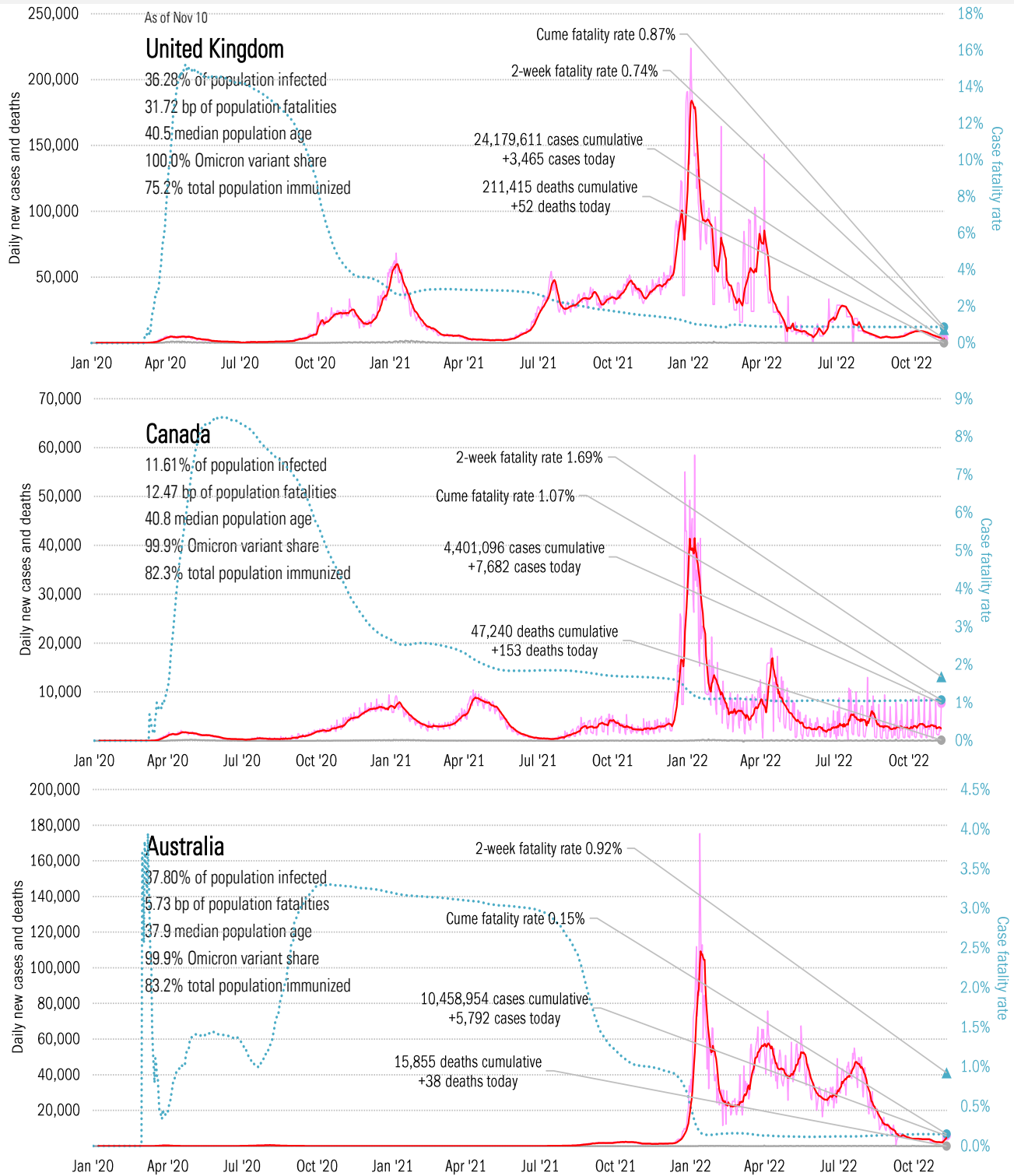
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

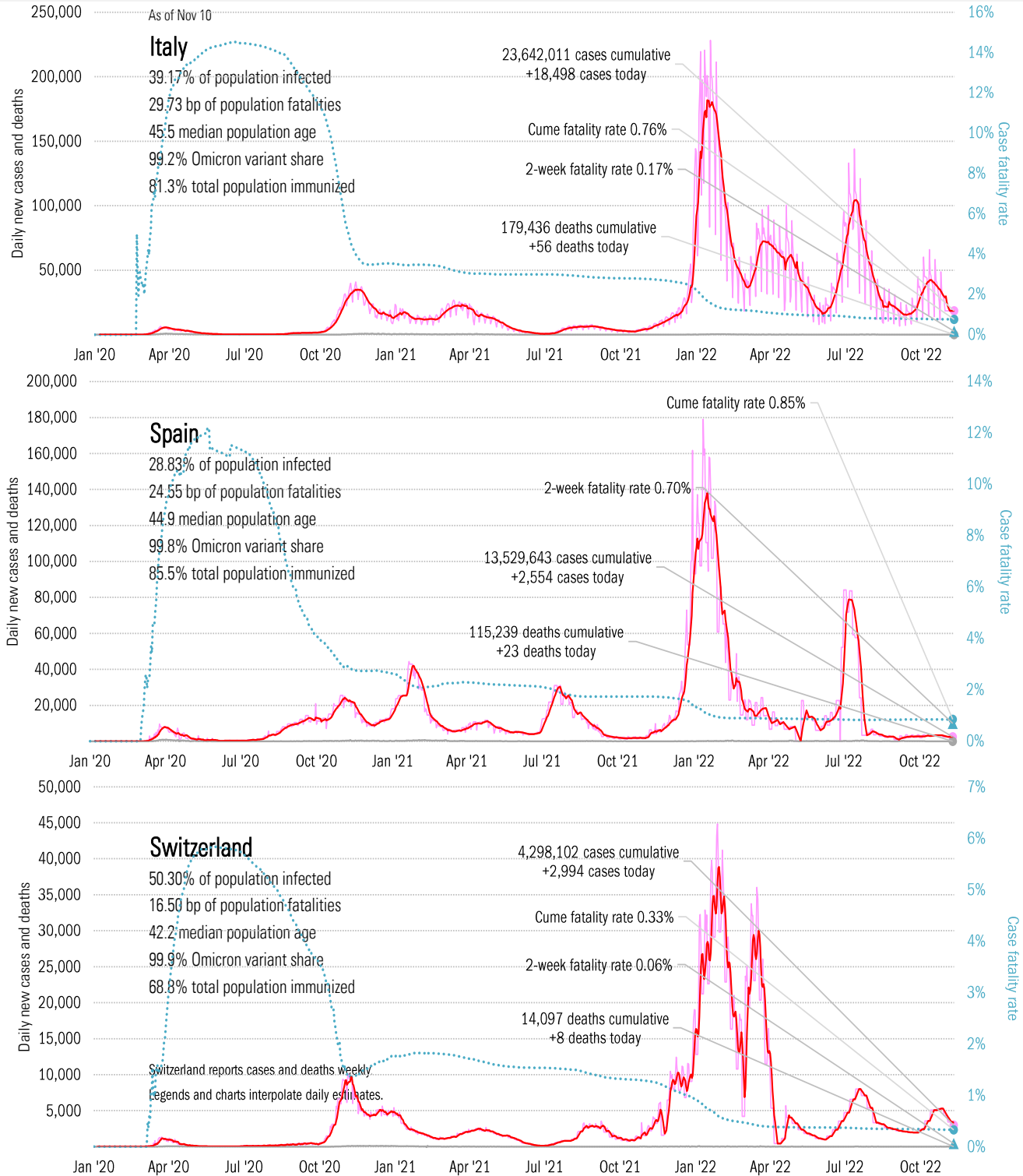
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

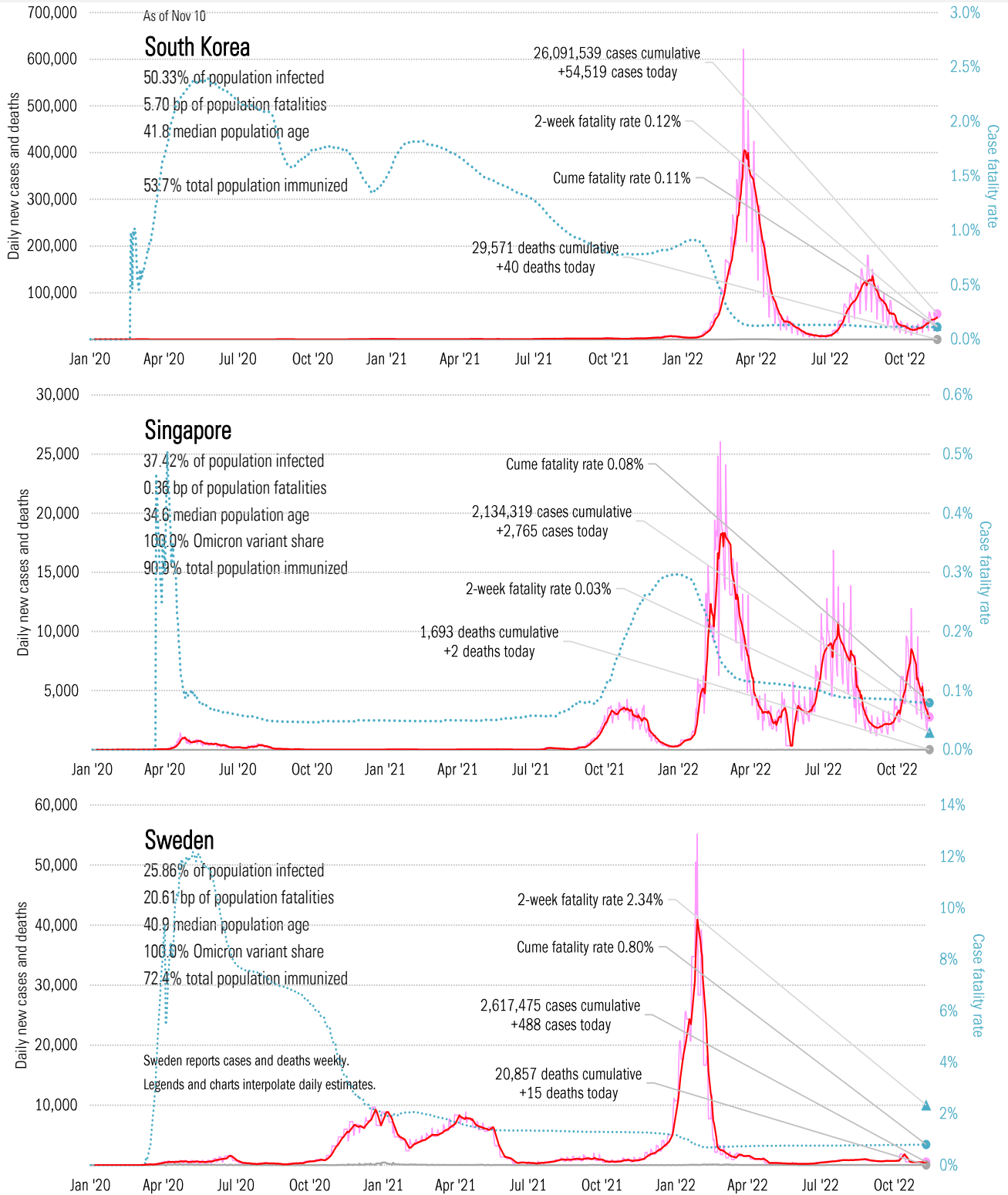
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

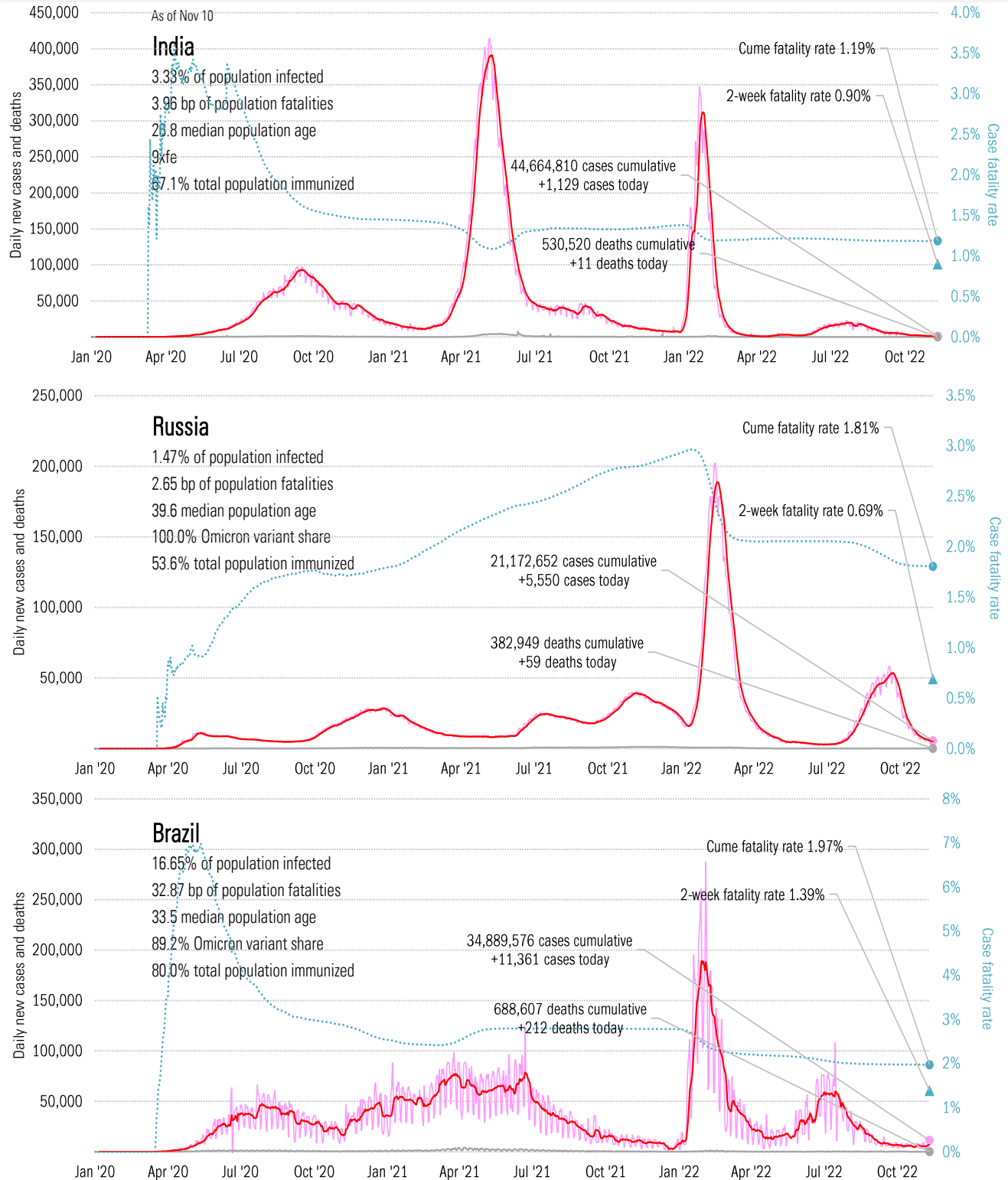
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

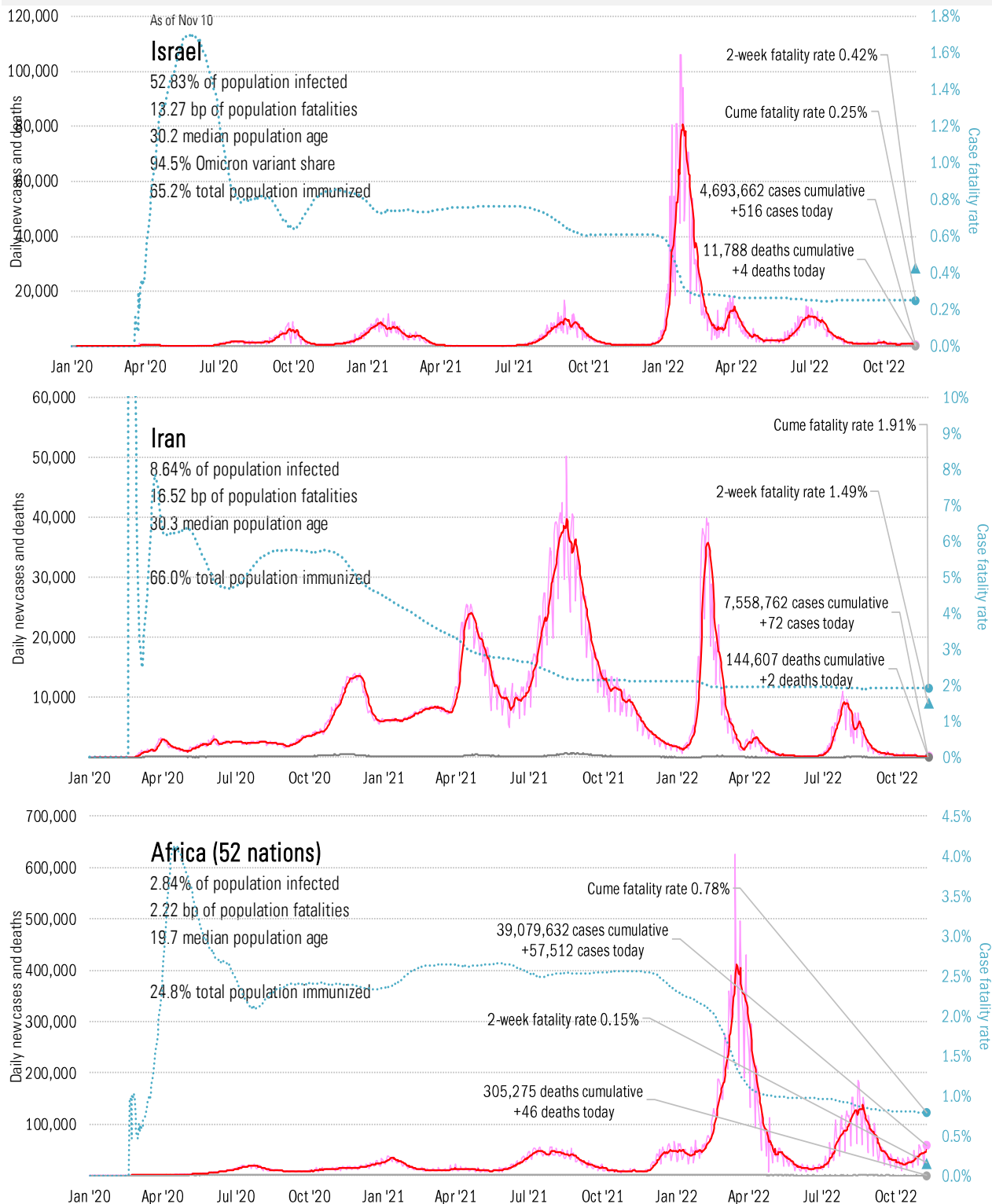
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

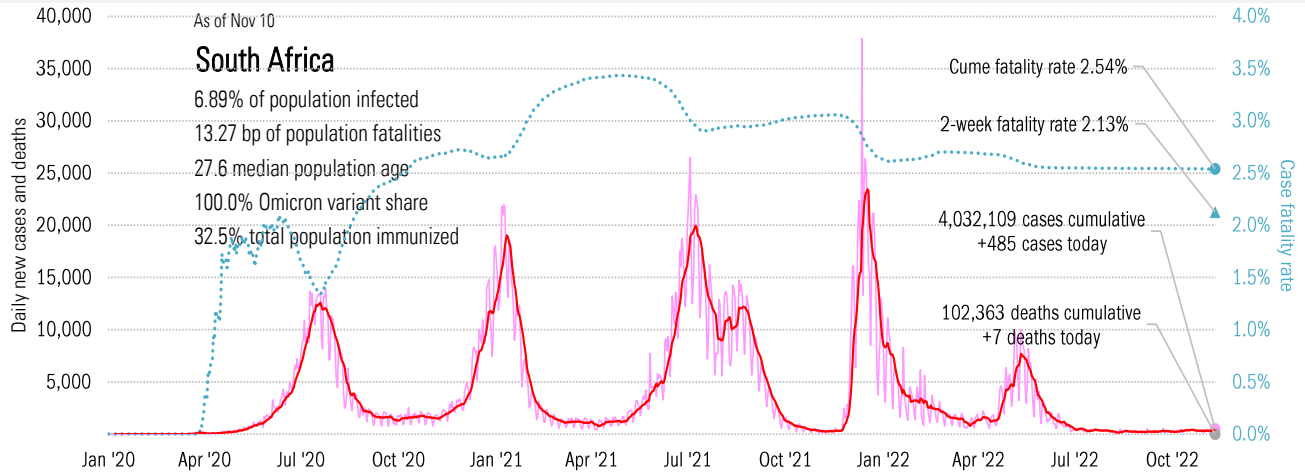
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations