

## Data Insights: Covid-2019 Monitor

Tuesday, June 28, 2022

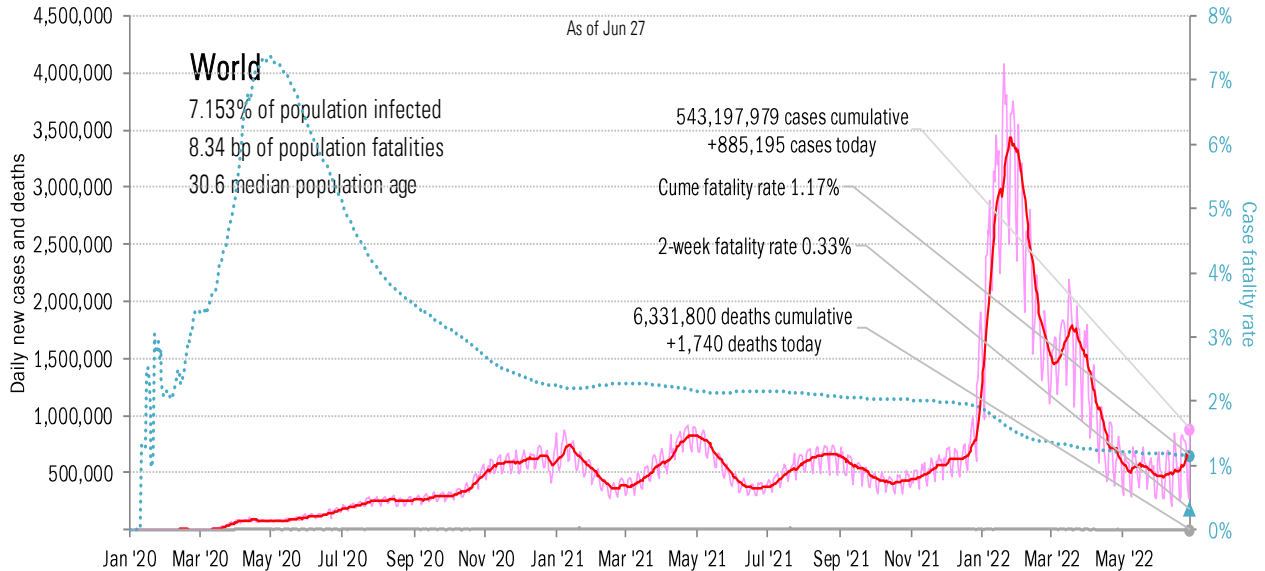
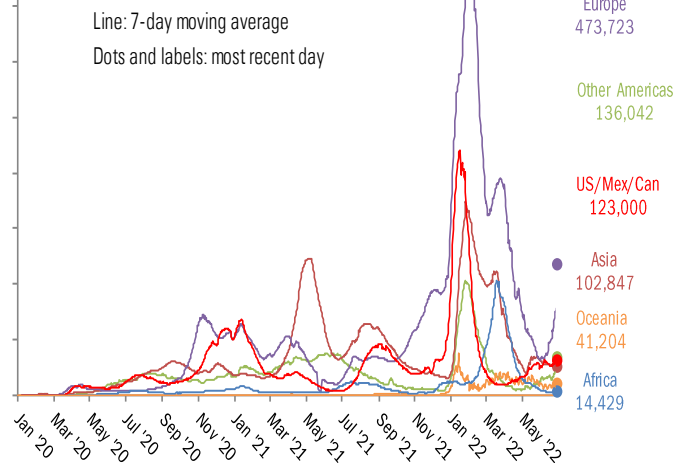
### The global scorecard

Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

| New cases      |         | New Deaths     |       |
|----------------|---------|----------------|-------|
| France         | 164,862 | United States  | 502   |
| Germany        | 142,329 | Brazil         | 303   |
| United States  | 118,784 | Germany        | 113   |
| Brazil         | 107,150 | Taiwan*        | 91    |
| United Kingdom | 47,348  | France         | 89    |
| Australia      | 31,420  | United Kingdom | 84    |
| Taiwan*        | 28,576  | Italy          | 63    |
| Austria        | 25,271  | Australia      | 53    |
| Italy          | 25,019  | Russia         | 51    |
| Portugal       | 17,689  | Portugal       | 48    |
| <b>708,448</b> |         | <b>1,397</b>   |       |
| World          | 885,195 | World          | 1,740 |
| Top ten        | 80%     | Top ten        | 80%   |

#### New confirmed cases by continent (millions)



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

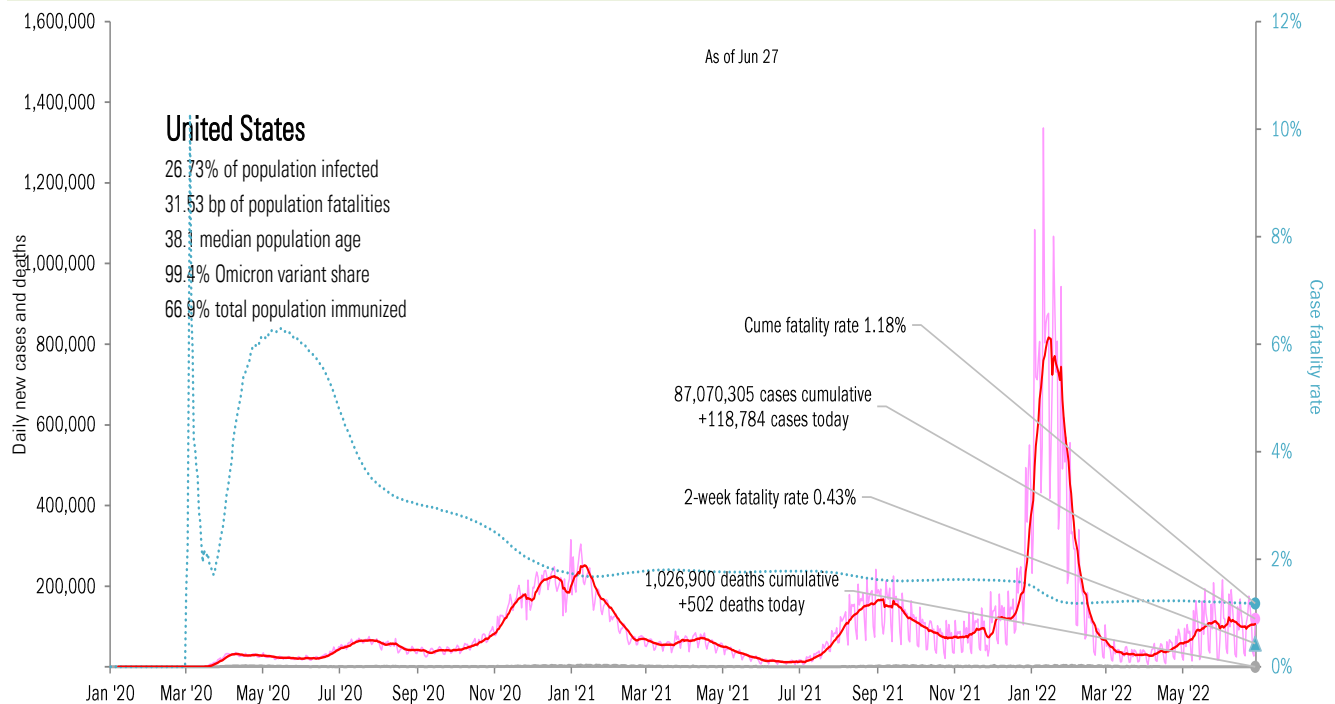
## The ten worst US states

| New cases          |        |  | New deaths |    |  | New in hospital |     |  | Cume cases            |            |  | Cume deaths |        |  | Cume in hospital |         |  | Hospital use   |     | ICU use |     |
|--------------------|--------|--|------------|----|--|-----------------|-----|--|-----------------------|------------|--|-------------|--------|--|------------------|---------|--|----------------|-----|---------|-----|
| CA                 | 13,895 |  | FL         | 81 |  | CA              | 580 |  | CA                    | 10,038,493 |  | CA          | 92,131 |  | TX               | 502,793 |  | MA             | 86% | TX      | 82% |
| NY                 | 10,668 |  | TX         | 27 |  | TX              | 390 |  | TX                    | 7,154,979  |  | TX          | 88,647 |  | CA               | 448,173 |  | MN             | 85% | MA      | 82% |
| TX                 | 10,314 |  | IL         | 25 |  | GA              | 172 |  | FL                    | 6,423,669  |  | FL          | 75,657 |  | FL               | 441,182 |  | WA             | 83% | AK      | 81% |
| IL                 | 9,904  |  | CA         | 18 |  | SC              | 120 |  | NY                    | 5,594,030  |  | NY          | 69,576 |  | NY               | 269,800 |  | MO             | 82% | AL      | 80% |
| FL                 | 8,272  |  | WA         | 13 |  | NJ              | 132 |  | IL                    | 3,417,093  |  | PA          | 45,657 |  | GA               | 209,470 |  | WV             | 82% | RI      | 80% |
| WA                 | 7,788  |  | MA         | 10 |  | AL              | 94  |  | PA                    | 2,988,758  |  | CH          | 38,778 |  | CH               | 199,393 |  | GA             | 82% | MN      | 79% |
| VA                 | 6,619  |  | CO         | 9  |  | IN              | 96  |  | NC                    | 2,843,077  |  | IL          | 38,535 |  | PA               | 186,353 |  | MD             | 80% | WA      | 78% |
| CO                 | 6,424  |  | MO         | 9  |  | NC              | 126 |  | CH                    | 2,831,228  |  | GA          | 38,447 |  | IL               | 167,846 |  | DE             | 79% | GA      | 78% |
| AL                 | 4,467  |  | OR         | 8  |  | AZ              | 119 |  | GA                    | 2,626,597  |  | MI          | 36,744 |  | MI               | 149,598 |  | PA             | 78% | NC      | 77% |
| IN                 | 4,139  |  | AZ         | 7  |  | MA              | 87  |  | MI                    | 2,592,078  |  | NJ          | 34,007 |  | KY               | 135,863 |  | NH             | 78% | NV      | 77% |
| 82,490             |        |  | 207        |    |  | 1,916           |     |  | 46,510,002            |            |  | 558,179     |        |  | 2,710,471        |         |  | All states 70% |     | 67%     |     |
| All states 118,784 |        |  | 502        |    |  | 4,670           |     |  | All states 87,070,305 |            |  | 1,026,900   |        |  | 4,924,601        |         |  | All states 70% |     | 67%     |     |
| Top ten 69%        |        |  | 41%        |    |  | 41%             |     |  | Top ten 53%           |            |  | 55%         |        |  | 55%              |         |  | Median 73%     |     | 72%     |     |

Some states not reporting

## Five most improved US states

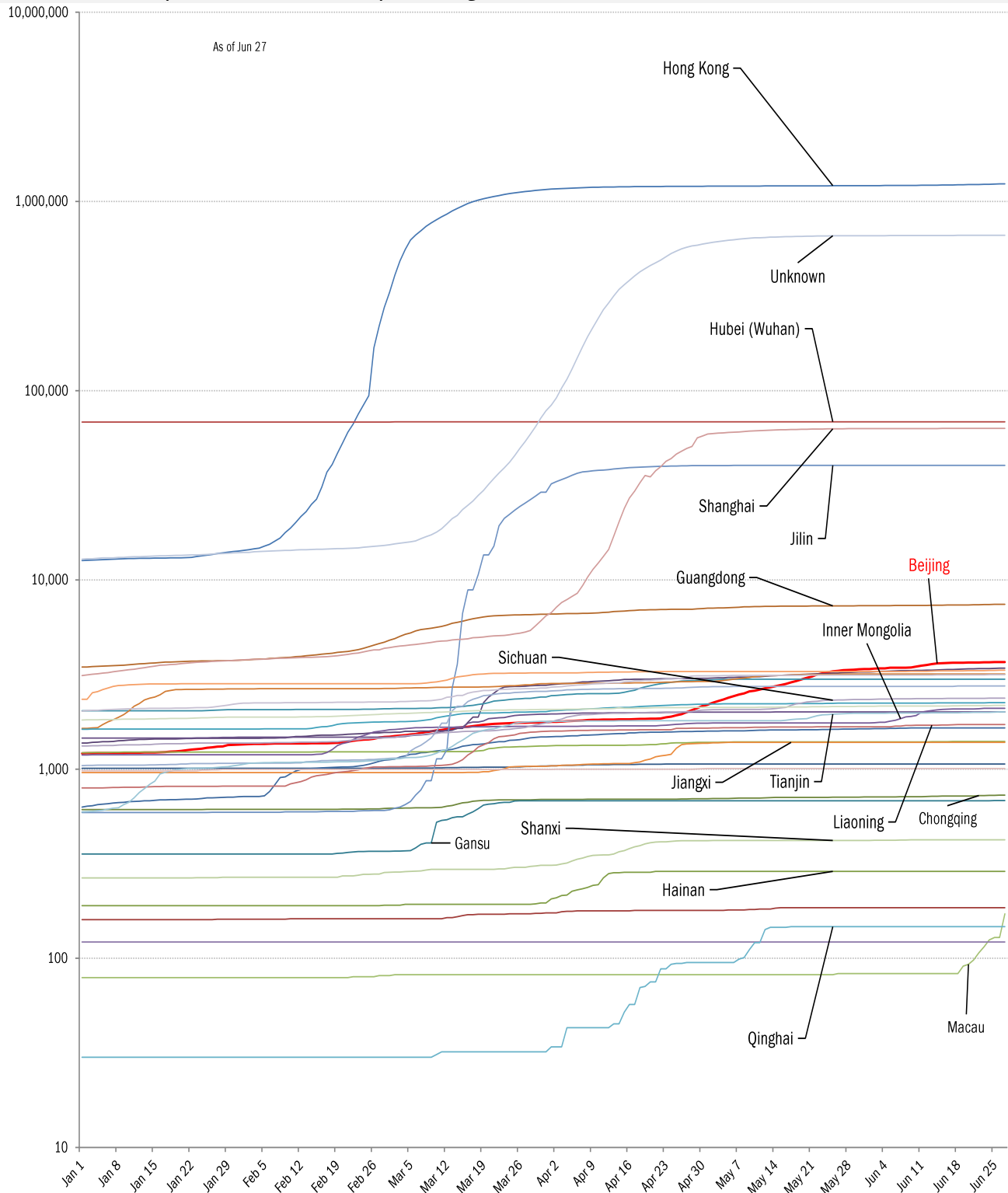
| Fewer daily cases |        | Fewer new deaths |    | Fewer new hospitalizations |     | Most pop immunity growth |        |
|-------------------|--------|------------------|----|----------------------------|-----|--------------------------|--------|
| FR                | -2,241 | NE               | -2 | LA                         | -23 | AL                       | +10 bp |
| NJ                | -1,093 | AK               | 0  | KS                         | -18 | LA                       | +10 bp |
| AR                | -114   | AR               | 0  | FL                         | -17 | AR                       | +10 bp |
| AK                | 0      | AS               | 0  | OK                         | -17 | TN                       | +10 bp |
| AS                | 0      | CT               | 0  | MN                         | -13 | IN                       | +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

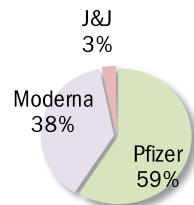
# Rolling out the vaccines in the US and the world

Updates weekly on Friday

| Administered      | Cumulative      | Today          | Immunity      | Full         | Partial                 |
|-------------------|-----------------|----------------|---------------|--------------|-------------------------|
| Doses             | 609,306,461     | +0.213 million | US            | 66.9%        | 78.1%                   |
| of which boosters | 106,436,940     | +0.054 million | UK            | 73.4%        | 78.5%                   |
|                   | <b>One dose</b> | <b>% Pop</b>   | <b>Immune</b> | <b>% pop</b> | <b>New immune today</b> |
| Total population  | 267,294,476     | 80%            | 228,468,426   | 68%          | +0.029 million          |
| Age 12 to 17      | 17,887,639      | 71%            | 15,325,994    | 61%          | +0.002 million          |
| Age 18 to 64      | 179,463,763     | 88%            | 152,670,205   | 75%          | +0.015 million          |
| Age 65 and over   | 59,303,568      | 100%           | 51,846,769    | 95%          | +0.006 million          |

|           |       |       |
|-----------|-------|-------|
| France    | 78.4% | 80.8% |
| Spain     | 86.7% | 88.2% |
| Germany   | 75.5% | 77.1% |
| Italy     | 79.4% | 84.2% |
| Australia | 84.0% | 86.7% |
| Israel    | 66.1% | 72.2% |
| Canada    | 83.3% | 87.2% |
| Japan     | 81.2% | 82.3% |
| Africa    | 18.4% | 23.8% |
| India     | 65.2% | 72.9% |
| Brazil    | 78.8% | 86.2% |
| China     | 87.2% | 89.5% |

Global data differs due to sources, timing



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

\*Immunity = two doses

|    |       |
|----|-------|
| AK | 70.2% |
|    | 62.9% |

|    |       |
|----|-------|
| WI | 72.3% |
|    | 66.1% |

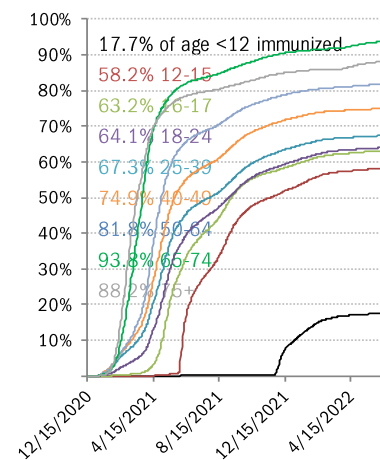
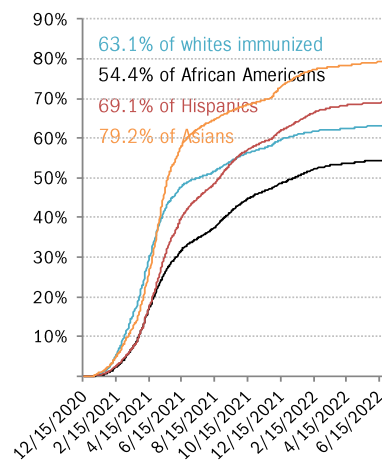
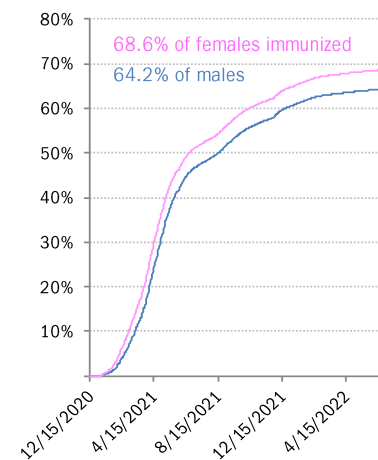
As of Jun 23

|    |       |
|----|-------|
| ME | 91.6% |
|    | 80.4% |

|    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |       |       |       |
|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|----|-------|-------|-------|-------|-------|
| WA | 81.4% | 73.1% | ID | 62.2% | 55.8% | MT | 65.8% | 57.3% | ND | 66.1% | 55.9% | MN | 75.6% | 69.7% | IL | 76.3% | 69.1% | MI | 67.4% | 60.6% | NY | 90.9% | 77.7% | VT | 94.4% | 81.9% | NH | 89.4% | 71.5% |       |       |       |
| OR | 78.5% | 70.2% | NV | 76.0% | 70.2% | WY | 58.5% | 51.3% | SD | 77.6% | 62.5% | IA | 68.3% | 62.4% | IN | 62.5% | 56.4% | OH | 63.6% | 58.8% | PA | 85.9% | 69.4% | NJ | 91.2% | 76.4% | MA | 95.0% | 79.9% |       |       |       |
| CA | 82.8% | 72.8% | UT | 72.5% | 64.6% | CO | 80.0% | 70.8% | NE | 70.8% | 64.1% | MO | 66.7% | 56.6% | KY | 66.6% | 57.8% | WV | 65.5% | 58.1% | VA | 86.5% | 74.0% | MD | 87.3% | 76.4% | CT | 95.0% | 80.1% | RI    | 95.0% | 83.7% |
|    |       |       | AZ | 74.1% | 62.3% | NM | 88.9% | 71.9% | KS | 73.0% | 62.5% | AR | 67.3% | 55.0% | TN | 62.6% | 55.0% | NC | 85.6% | 62.4% | SC | 68.3% | 57.6% | DC | 95.0% | 76.2% | DE | 84.0% | 70.0% |       |       |       |
|    |       |       |    |       |       | OK | 71.7% | 57.9% | LA | 61.5% | 53.9% | MS | 60.0% | 52.2% | AL | 63.2% | 51.6% | GA | 66.0% | 55.3% |    |       |       | FL | 80.0% | 67.6% |    |       | PR    | 95.0% | 83.6% |       |
|    |       |       |    |       |       | TX | 74.2% | 62.2% |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |    |       |       |       |       |       |

|    |       |
|----|-------|
| HI | 88.1% |
|    | 78.9% |

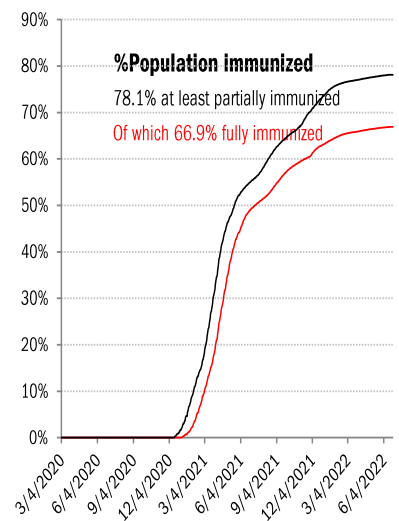
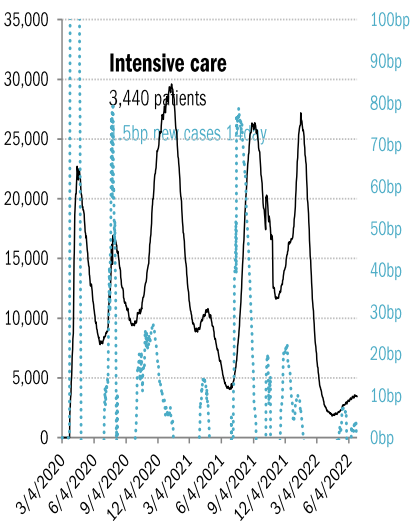
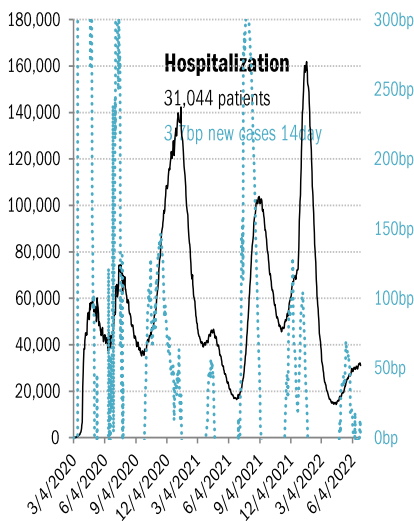
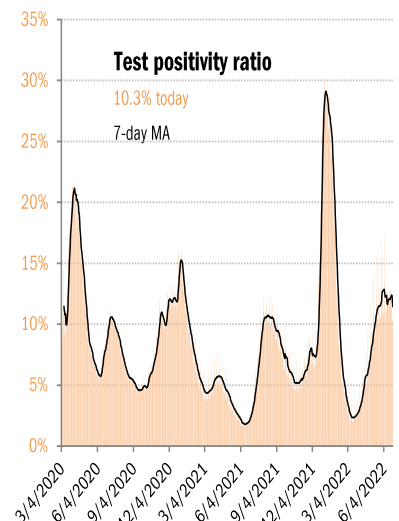
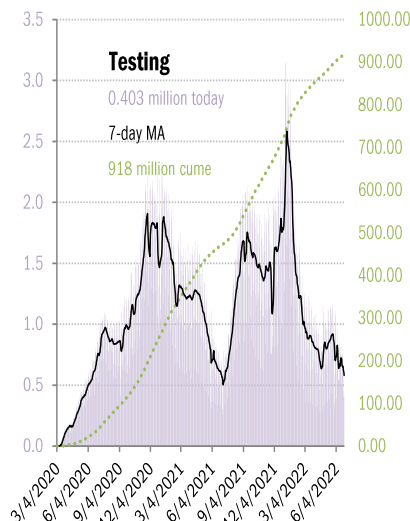
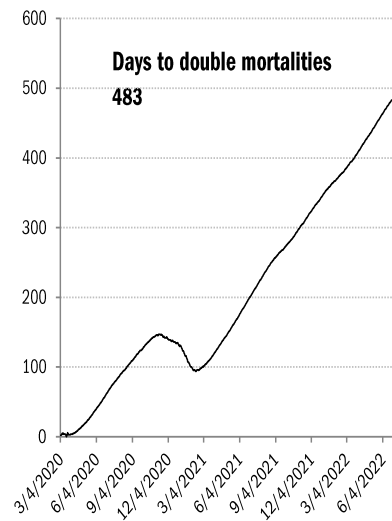
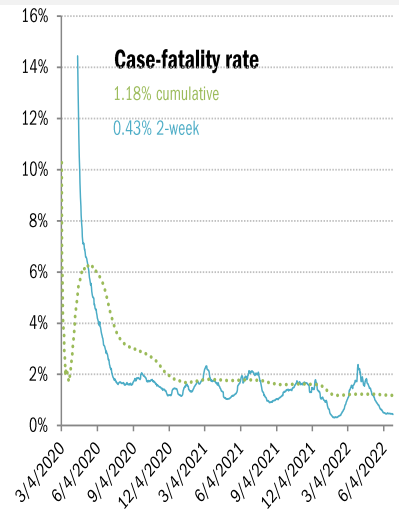
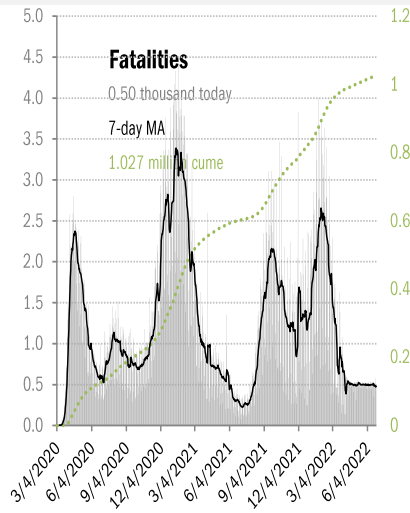
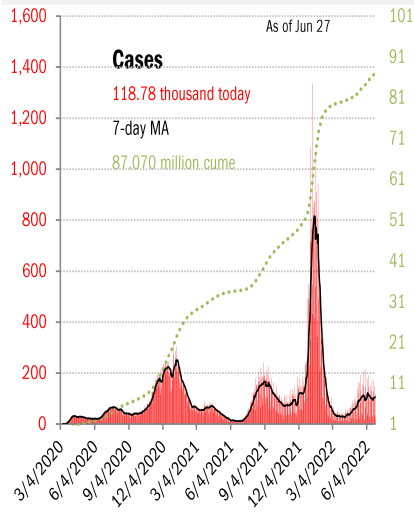
## The demographics of US vaccination



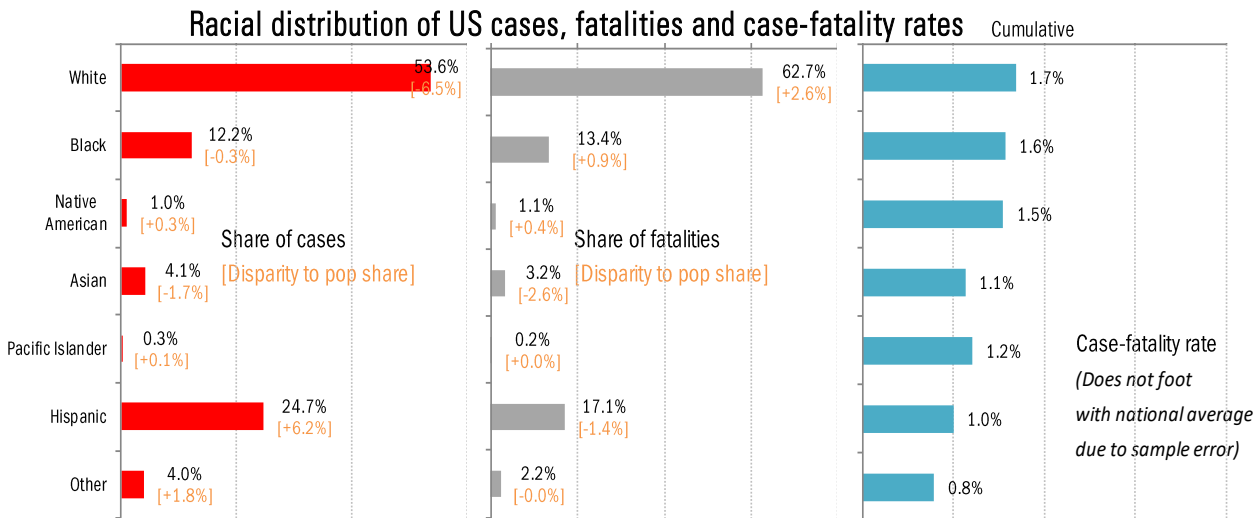
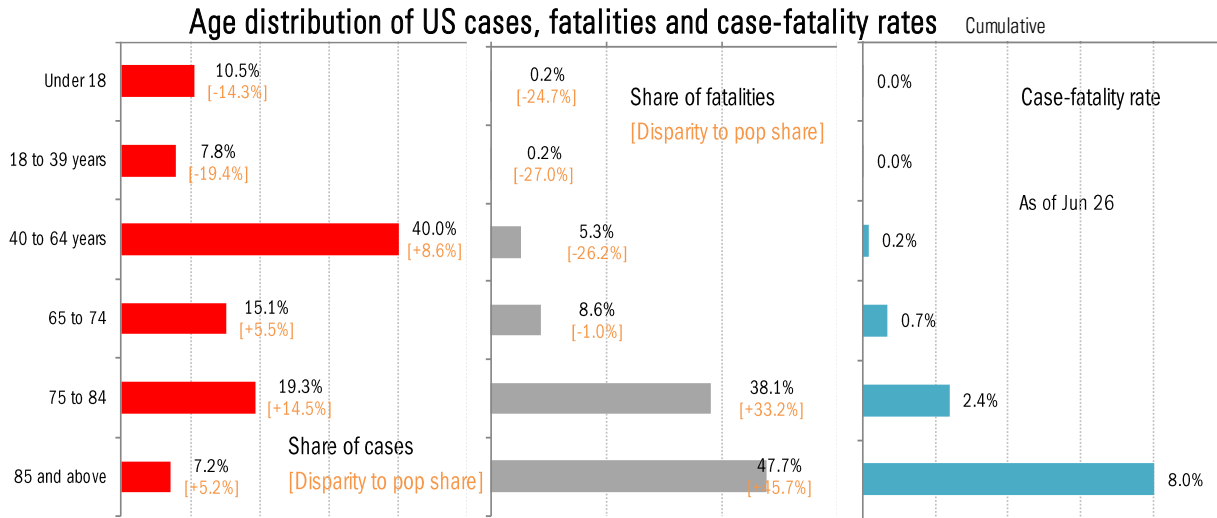
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

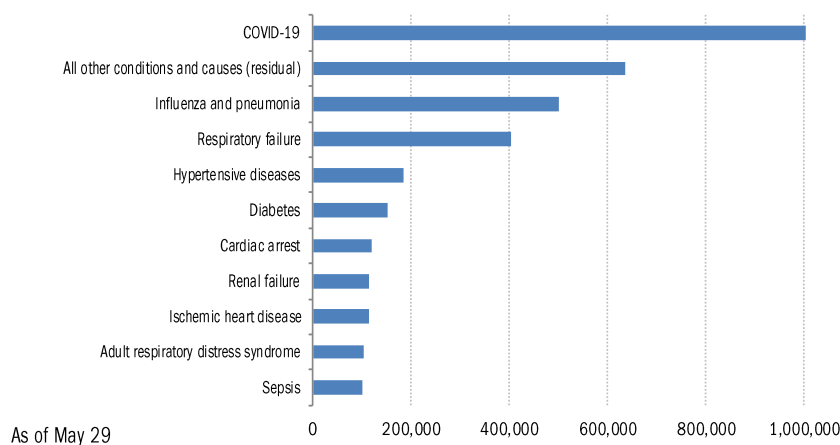


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

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

Comorbidity data has been paused for the month of June by the CDC while making "system upgrades."

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

## Recommended reading

### [America May Soon Have Another Sexually Transmitted Infection](#)

Jay K. Varma  
*New York Times*  
June 27, 2022

### [China's bank run victims planned to protest. Then their Covid health codes turned red](#)

Nectar Gan,  
*CNN*  
June 15, 2022

### [The F.D.A. may move toward updating vaccines.](#)

Sharon LaFraniere  
*New York Times*  
June 27, 2022

### [The CDC Just Pushed Fake News on Covid Child Mortality](#)

Kyle Smith  
*National Review*  
June 22, 2022

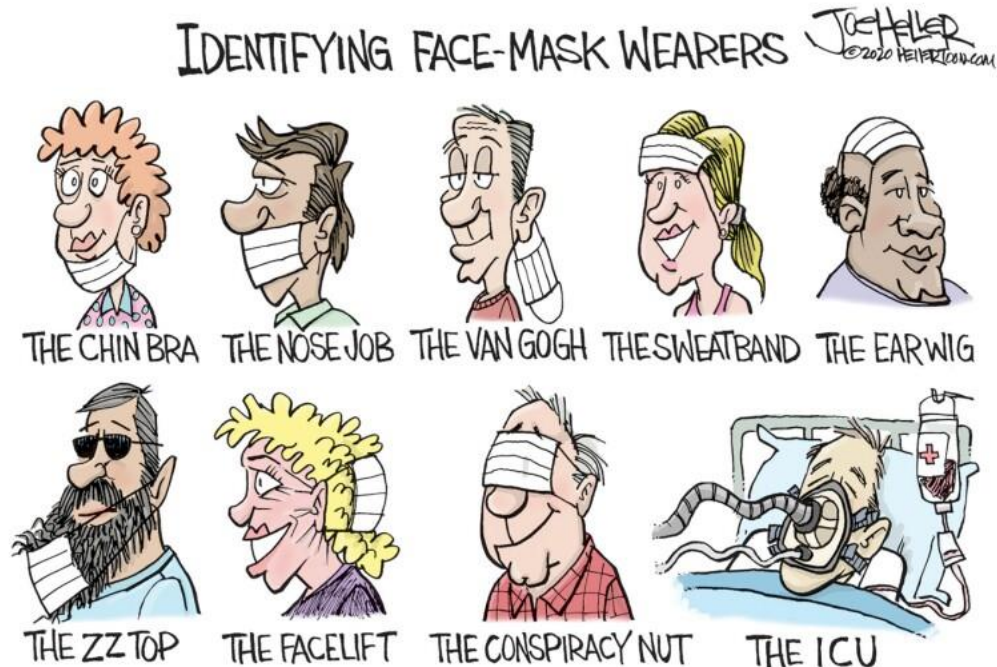
### [COVID-19's 6th wave begins, with more seriously ill and more deaths](#)

Judy Siegel-Itzkovich  
*Jerusalem Post*  
June 27, 2022

### [Doctors Unite to Send Powerful Message to CDC & FDA: Stop Targeting Kids Because 'Emergency Phase of COVID-19 is Over'](#)

Kyle Becker  
*Becker News*  
June 22, 2022

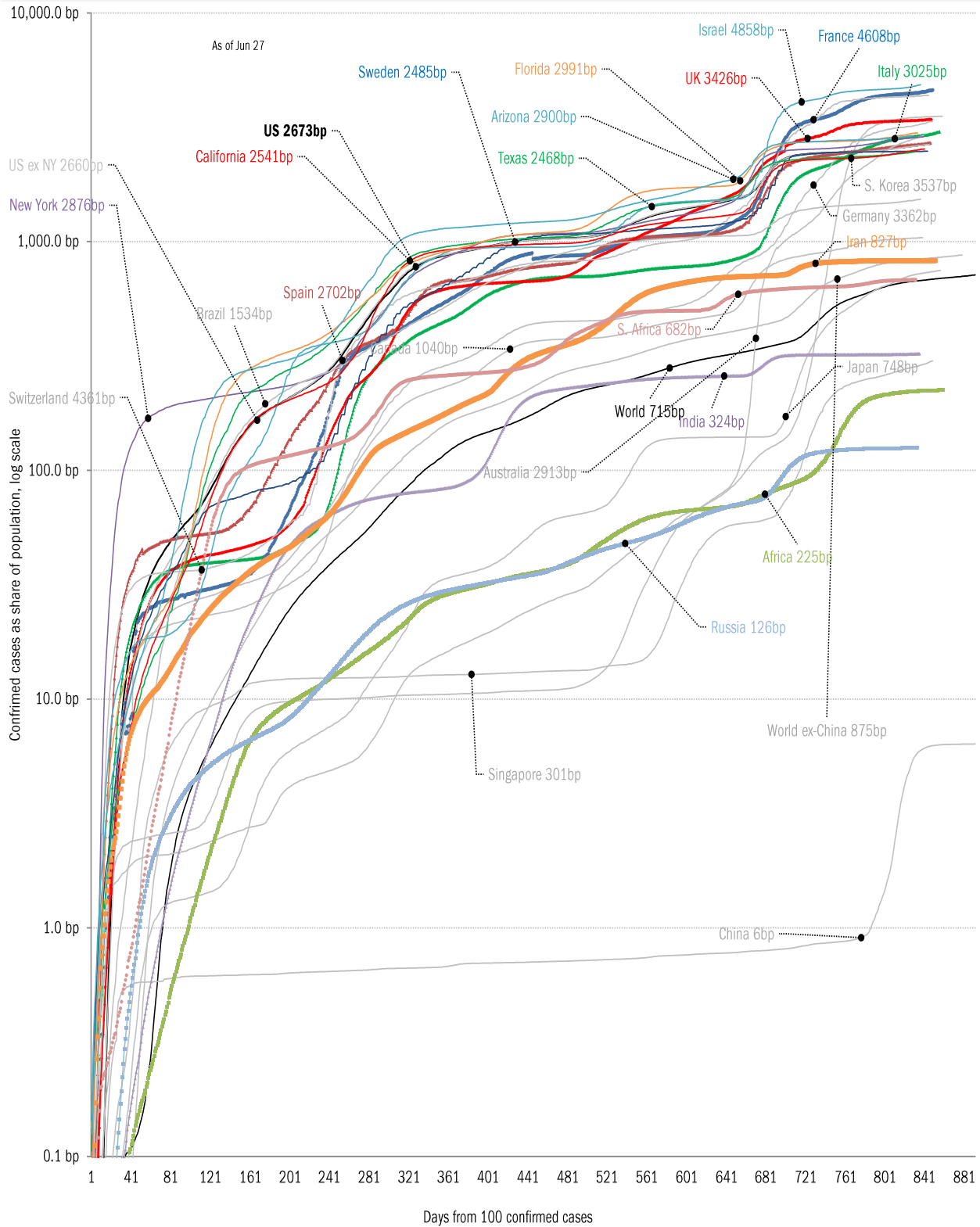
## Meme of the day



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



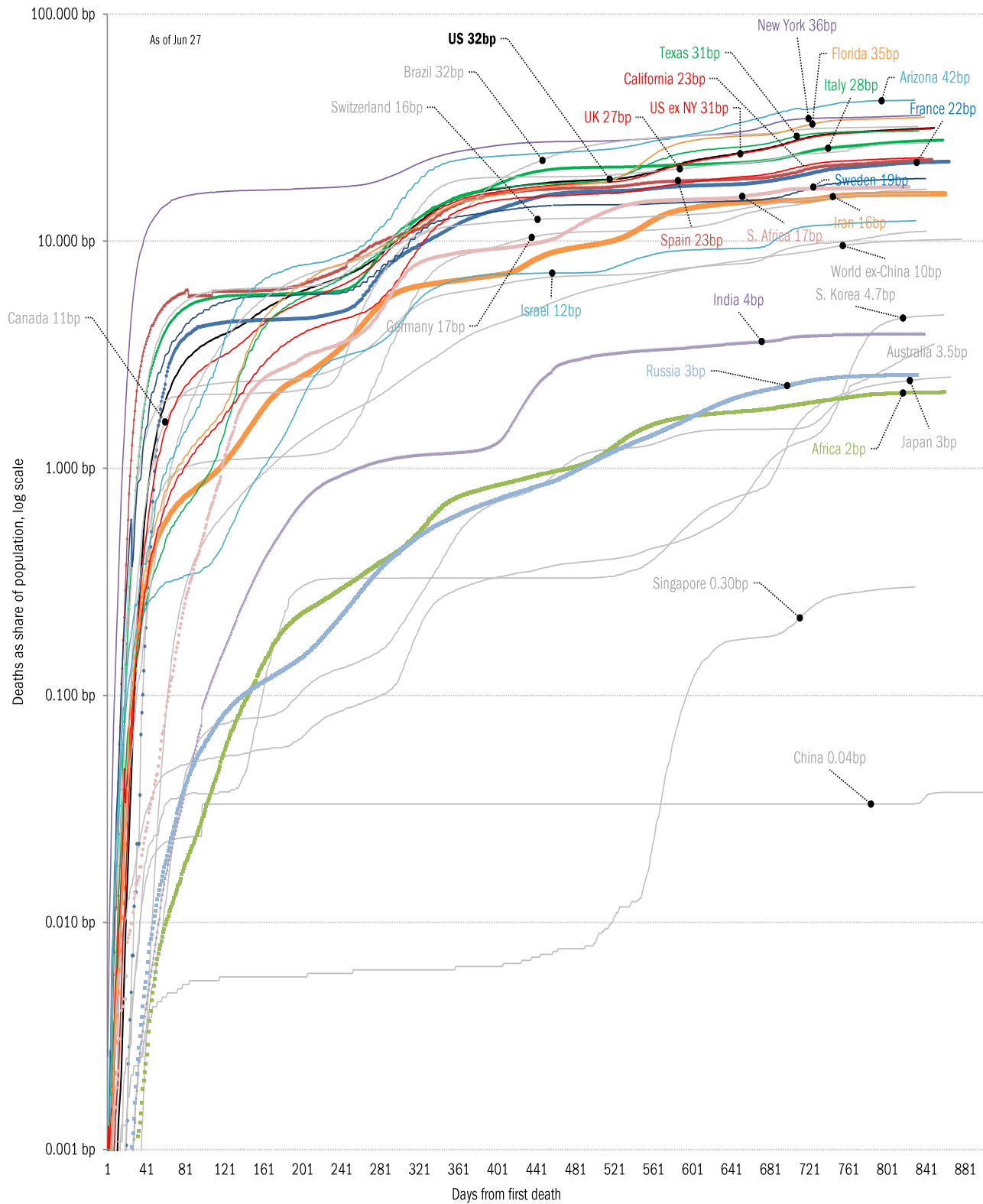
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

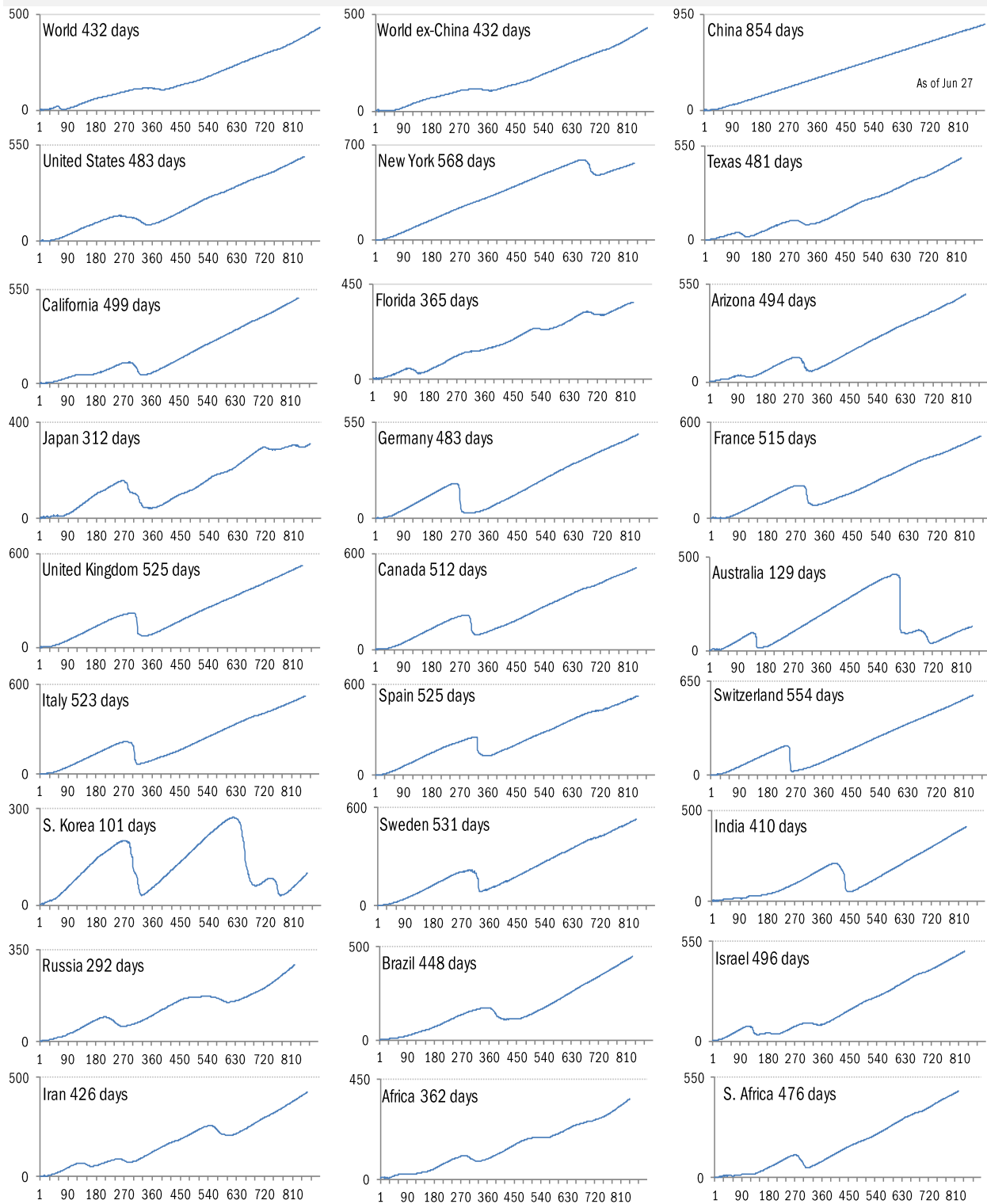


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

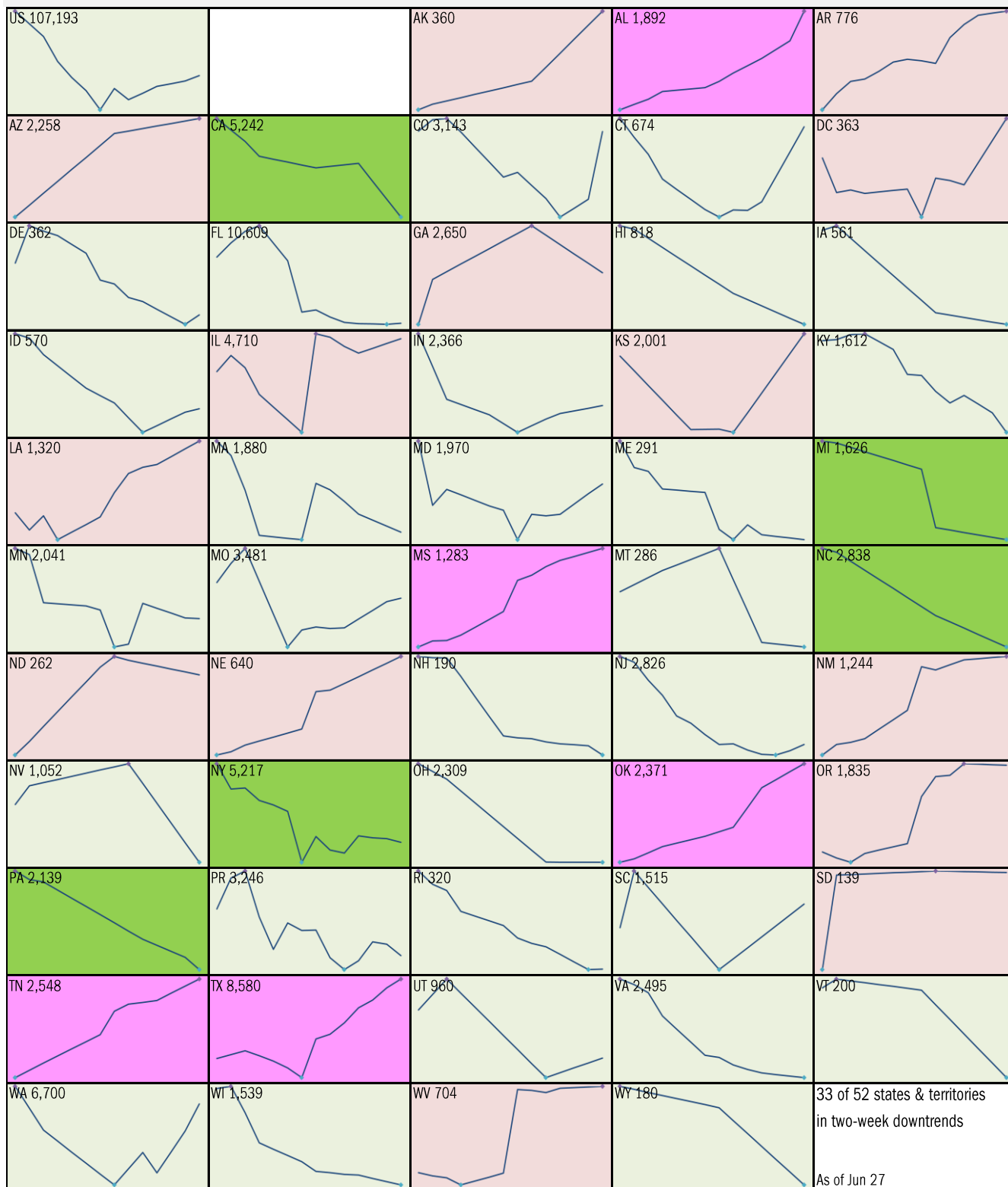


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

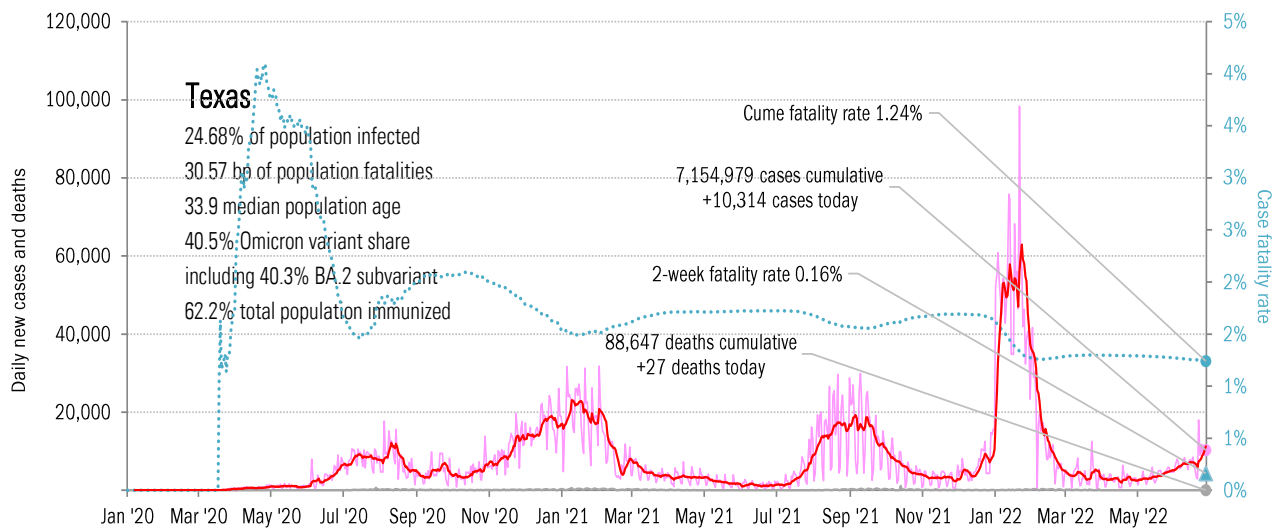
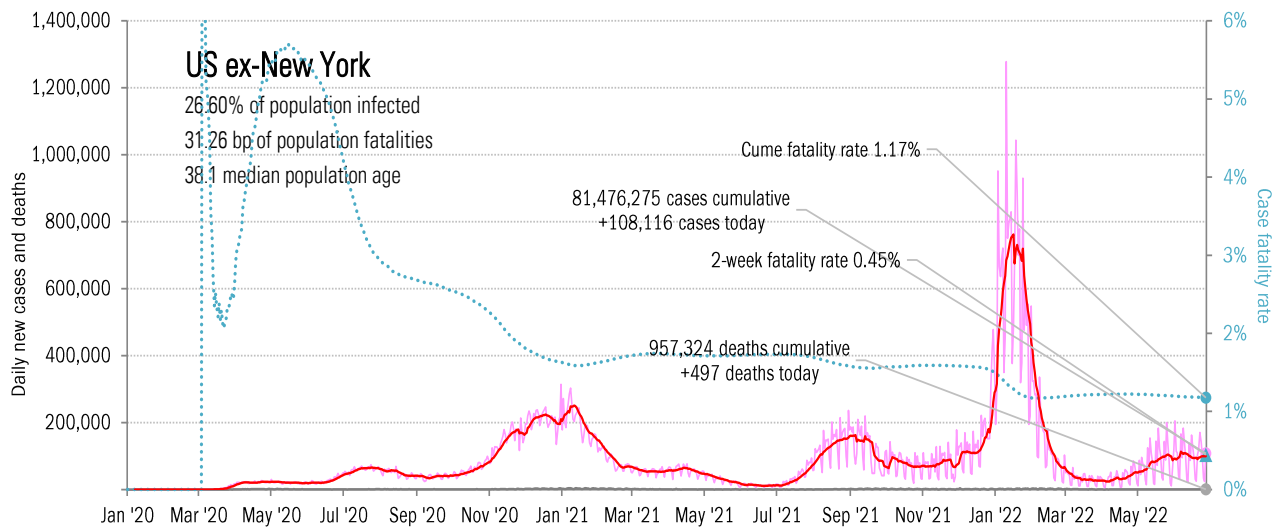
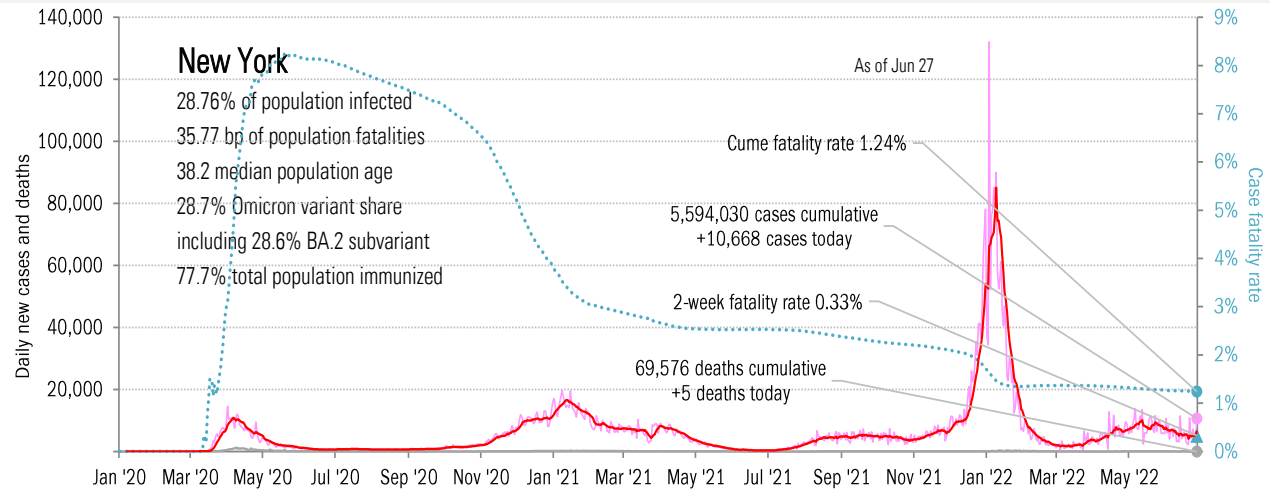
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

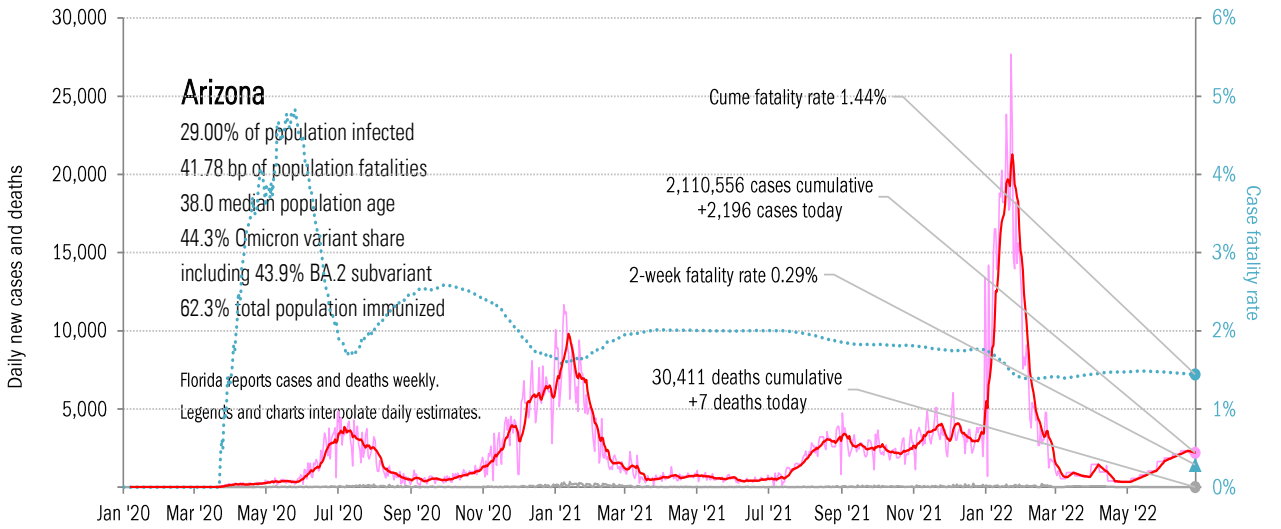
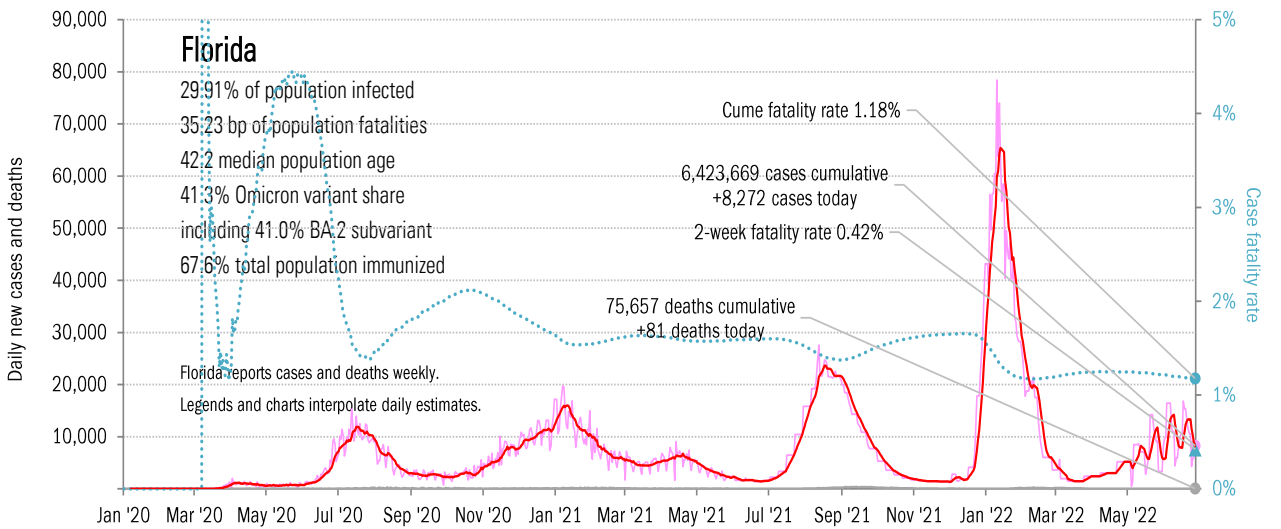
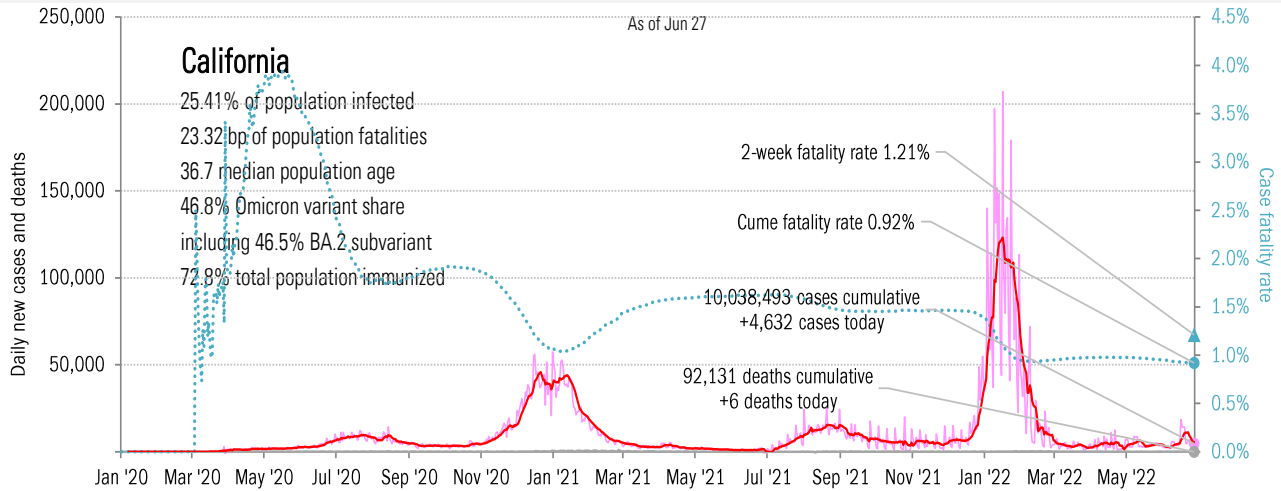
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

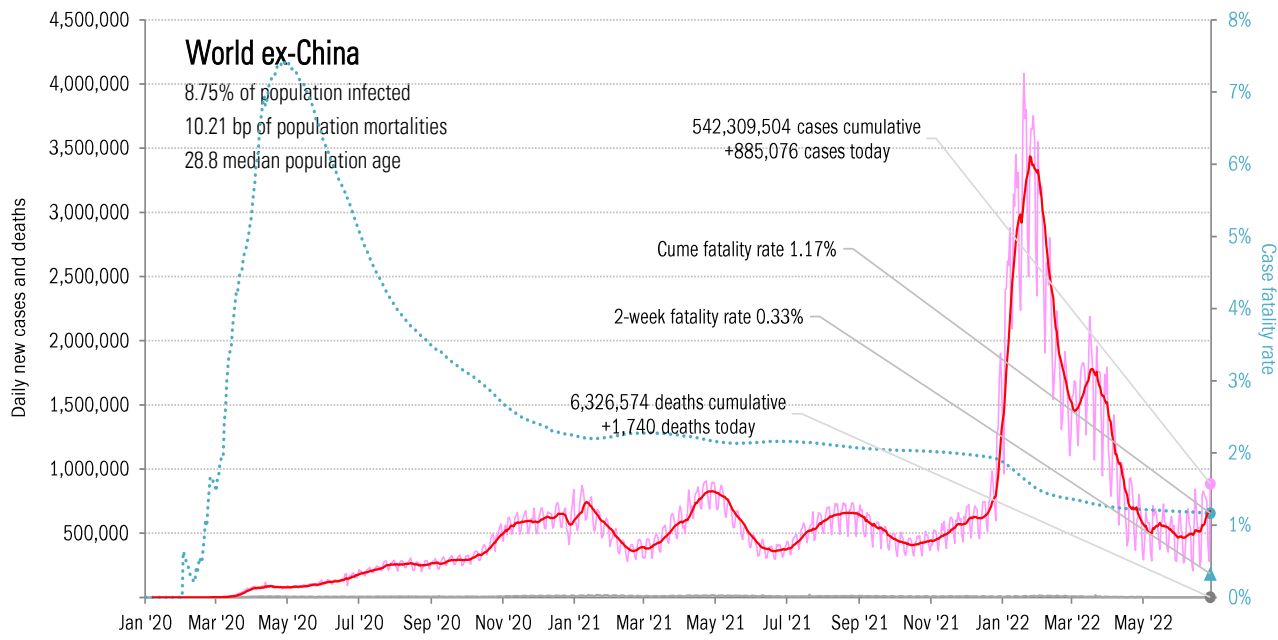
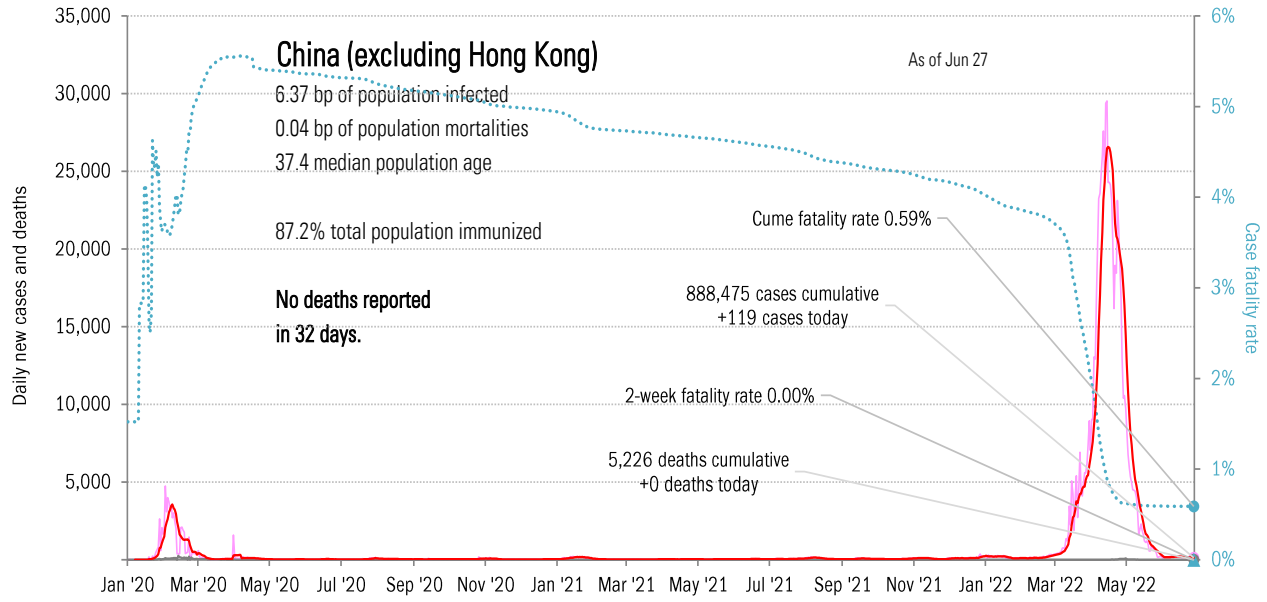
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

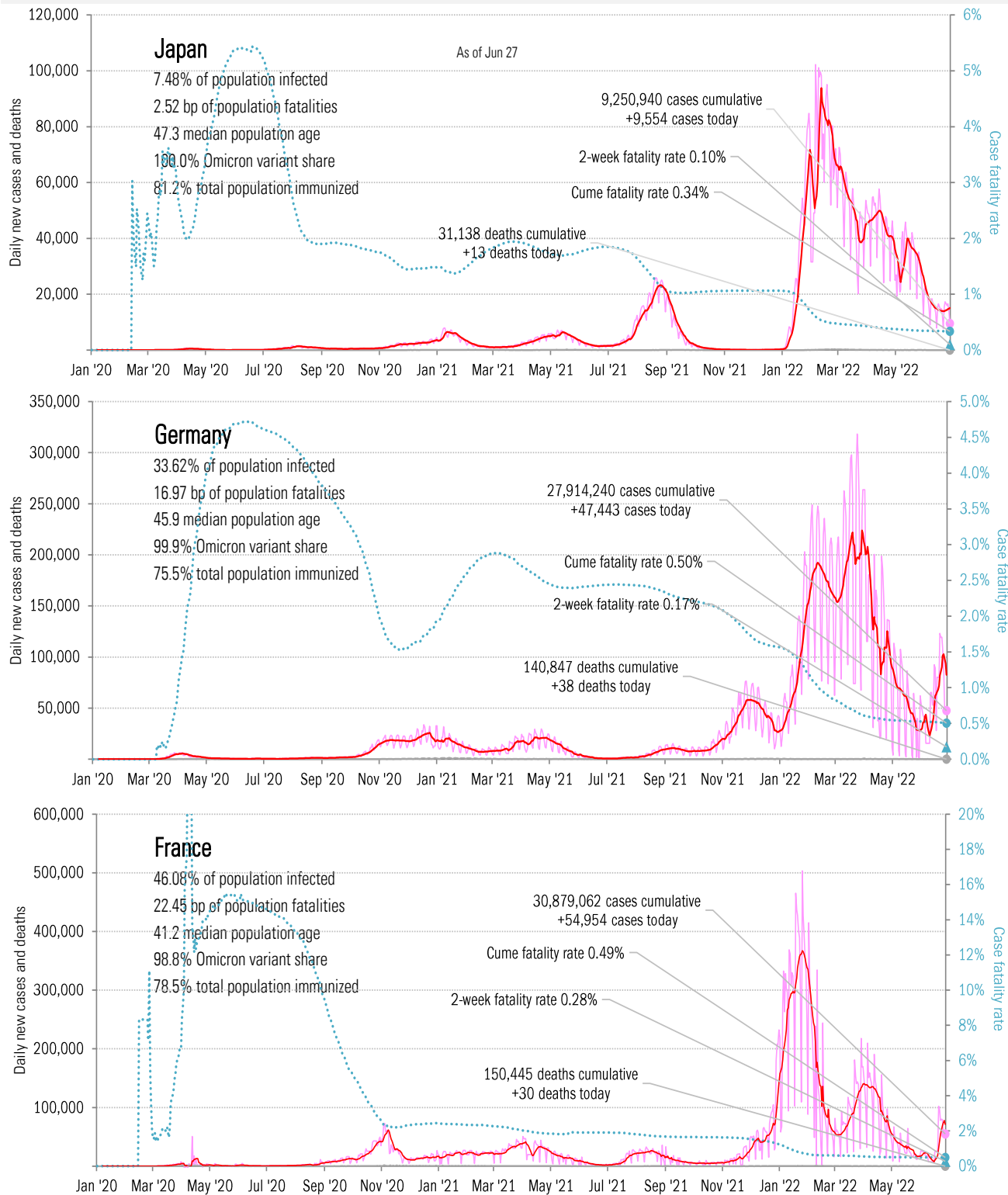


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

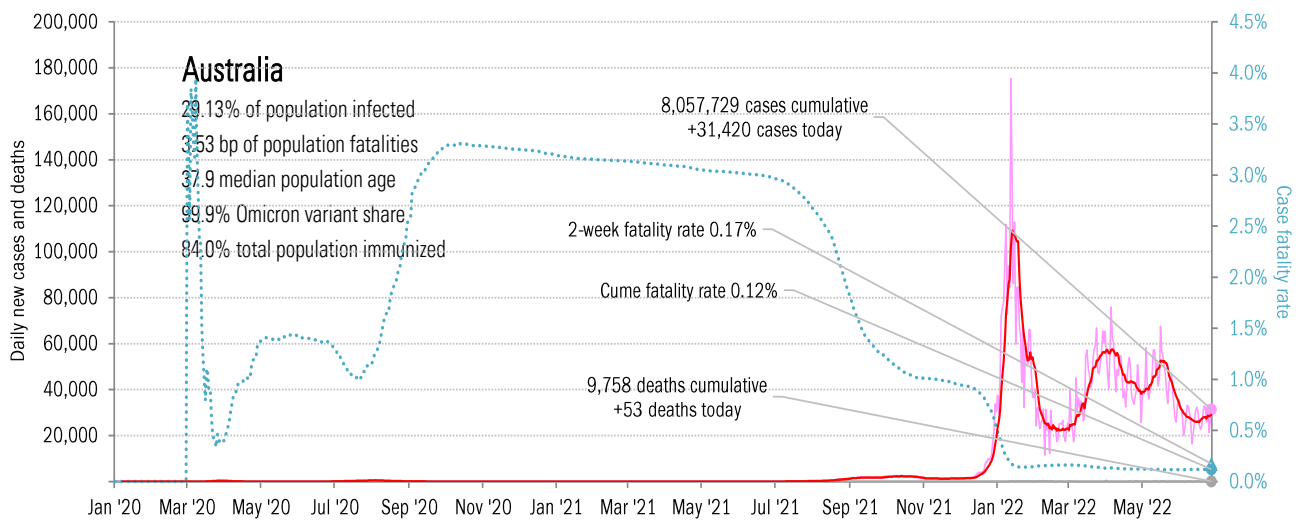
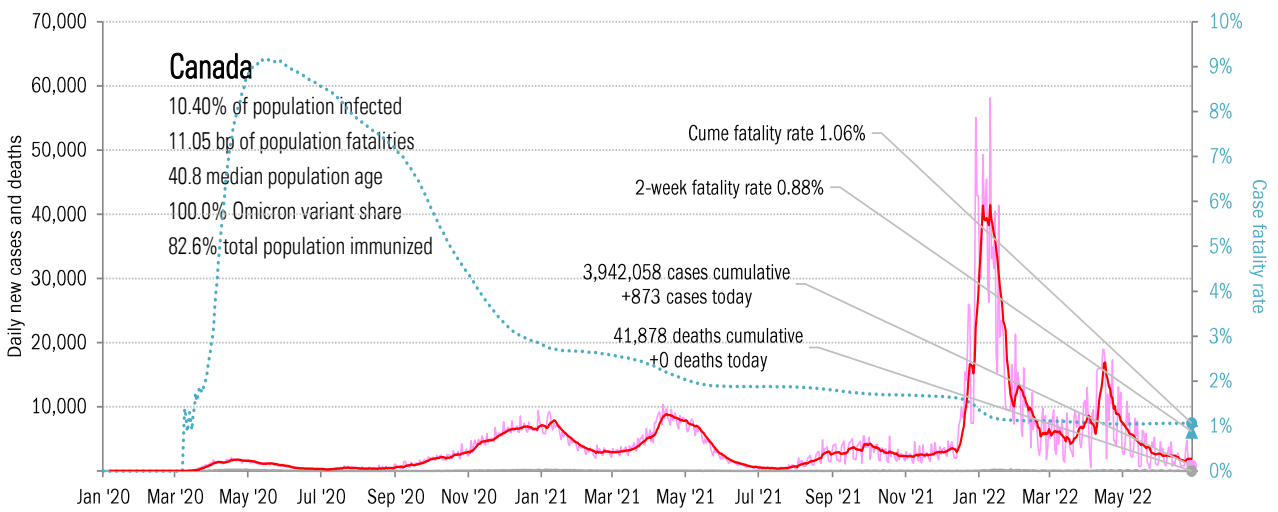
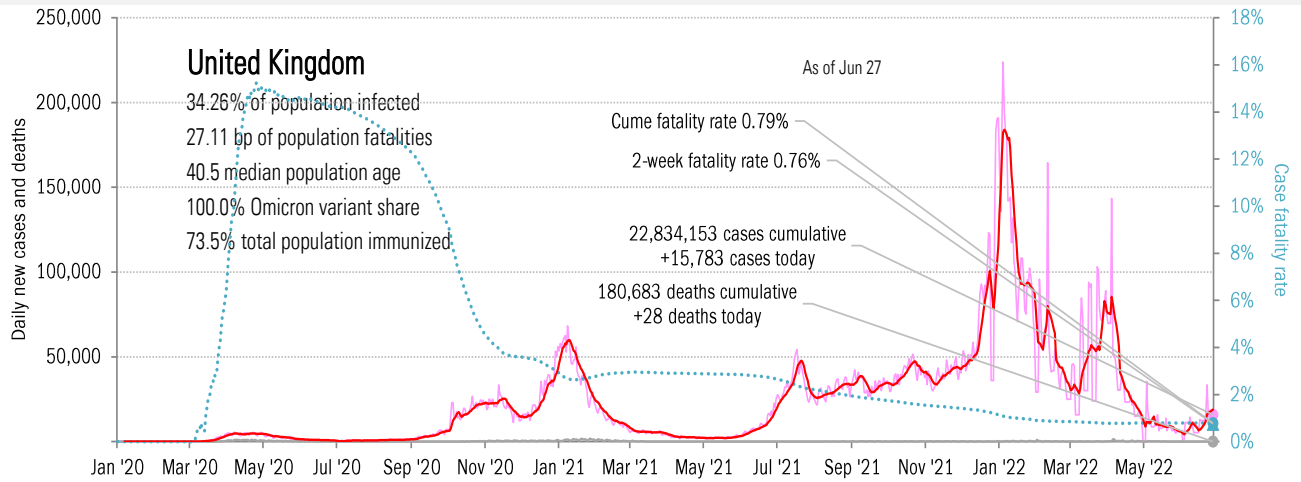
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

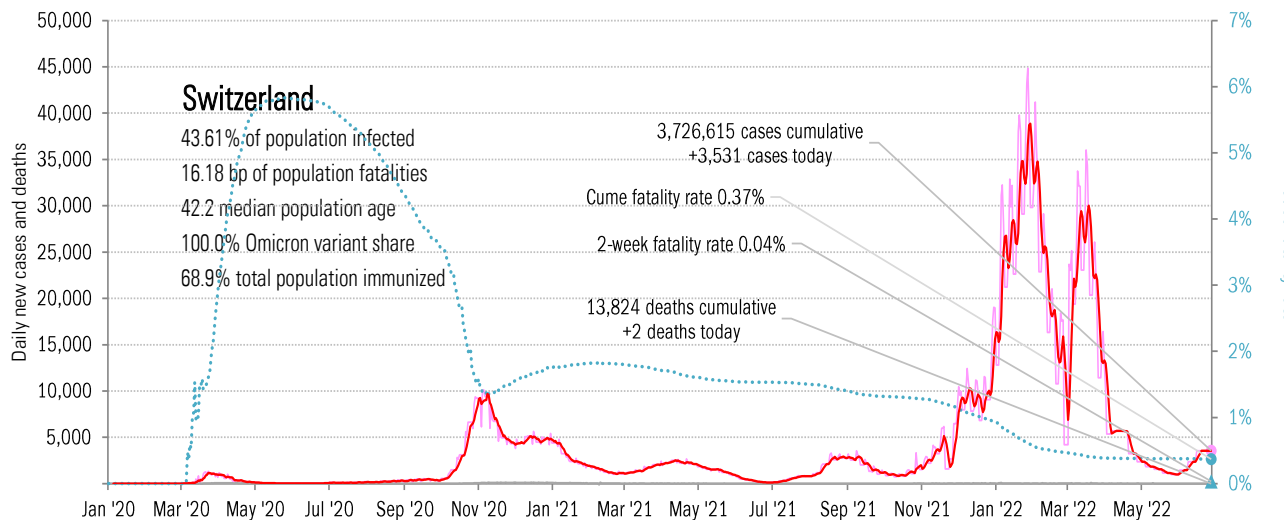
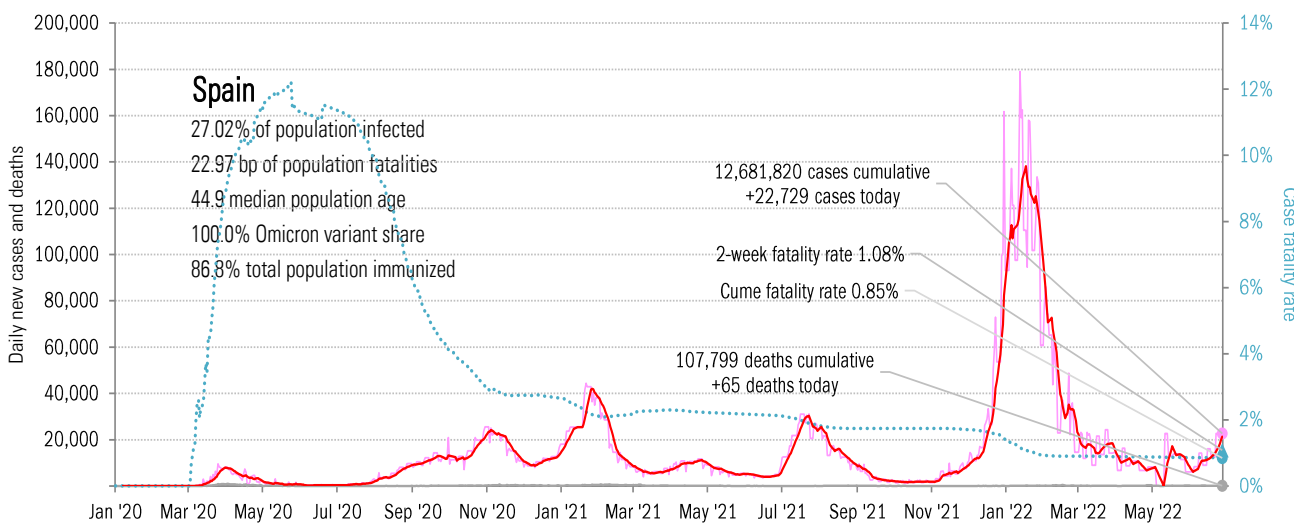
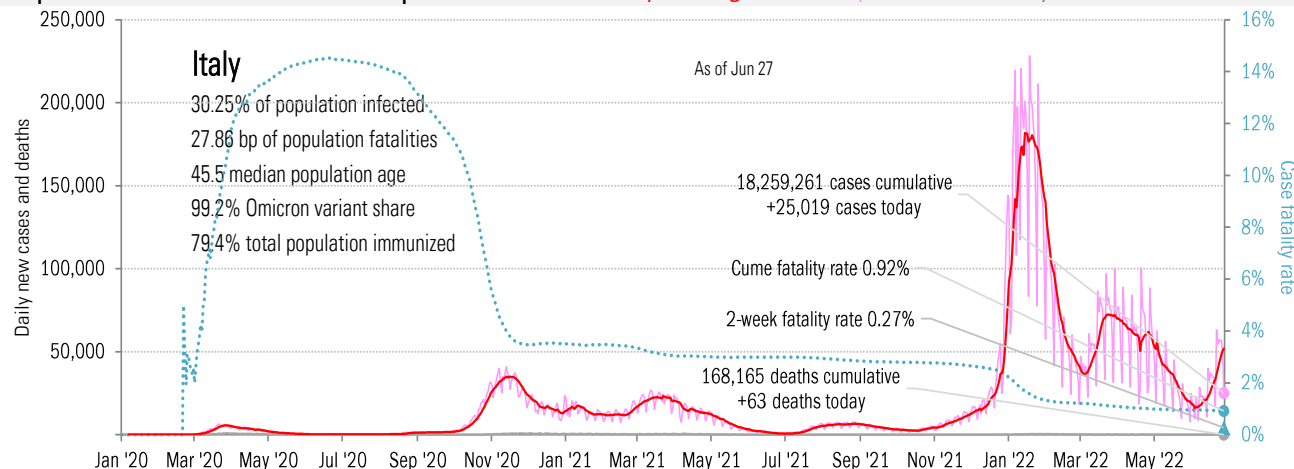
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

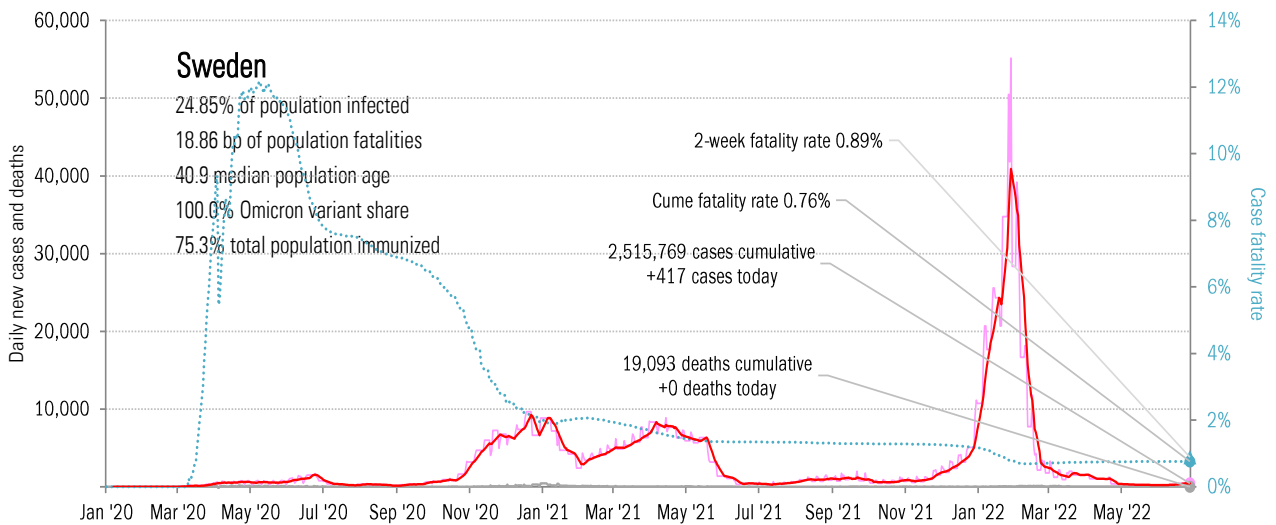
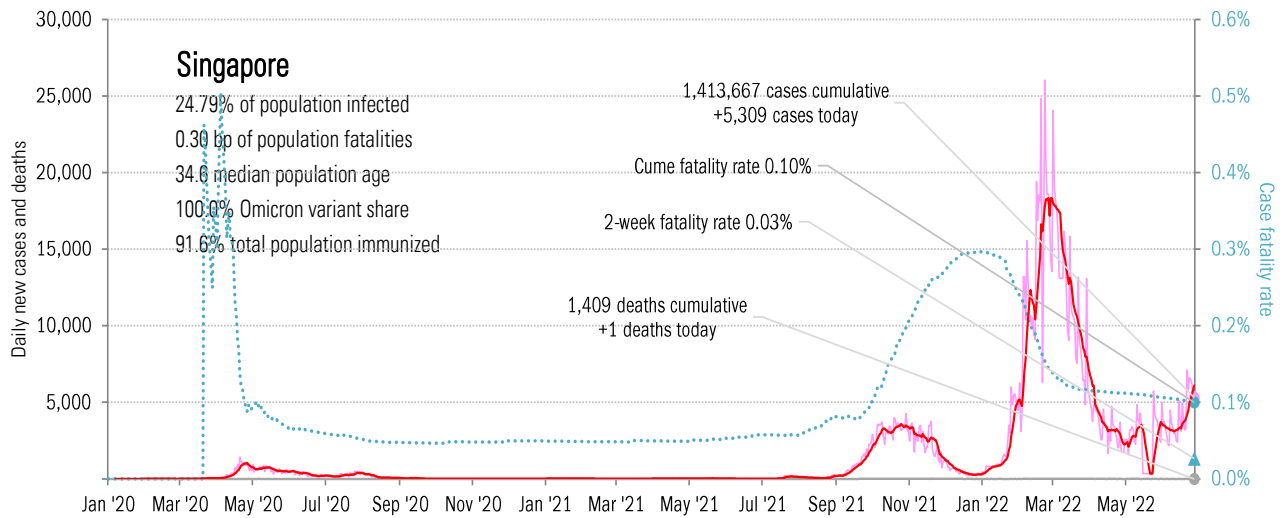
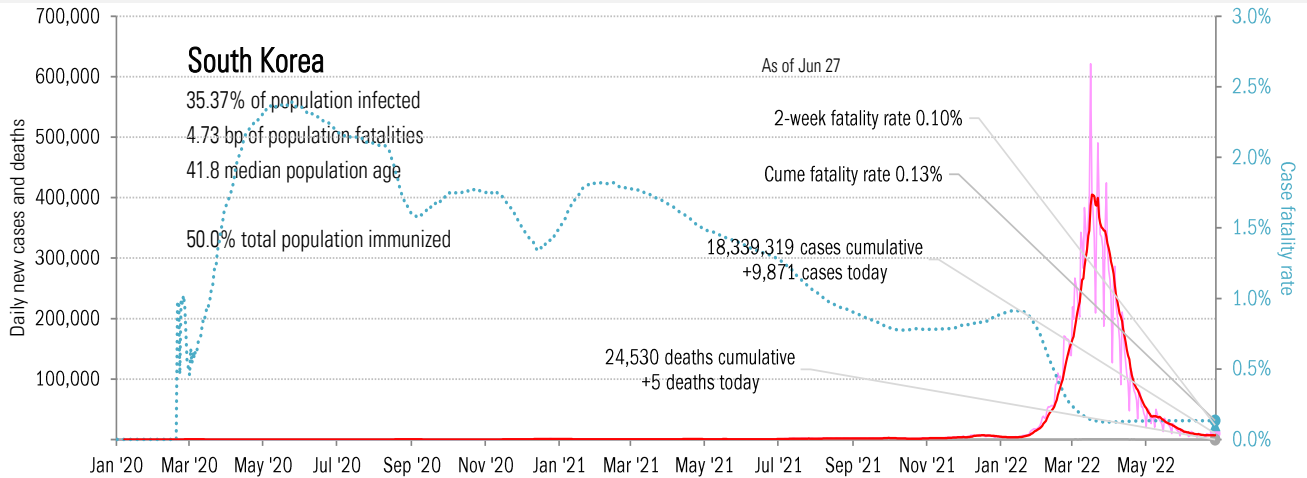
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

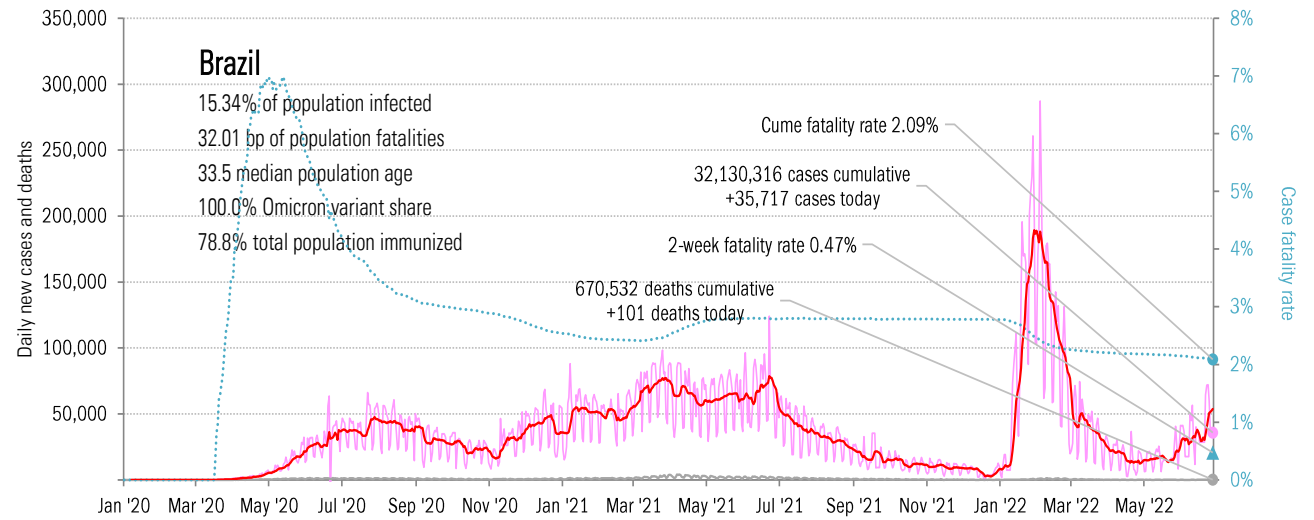
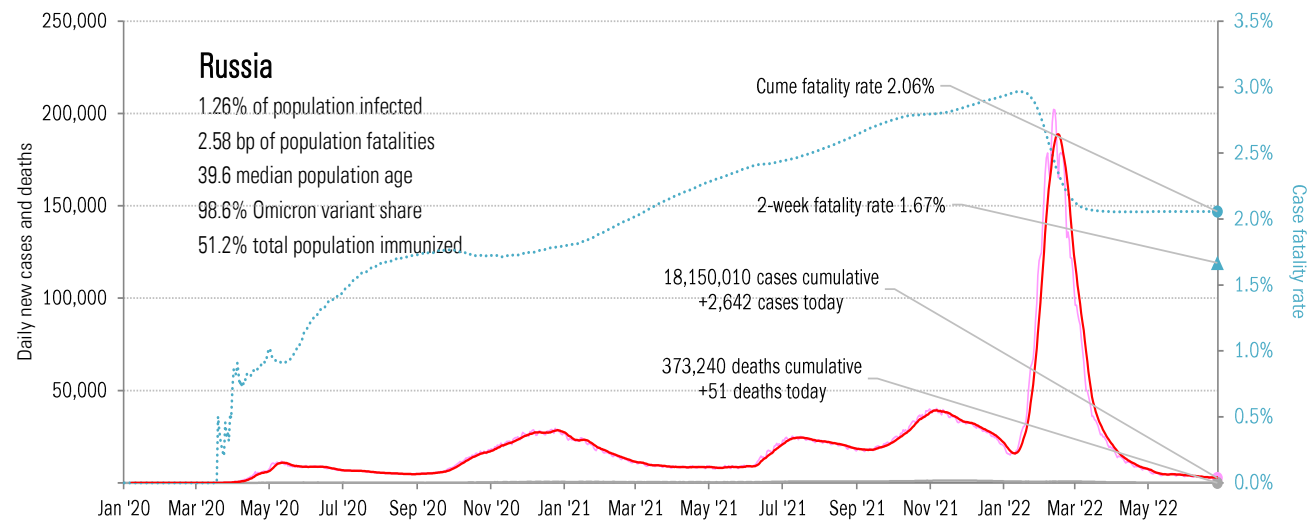
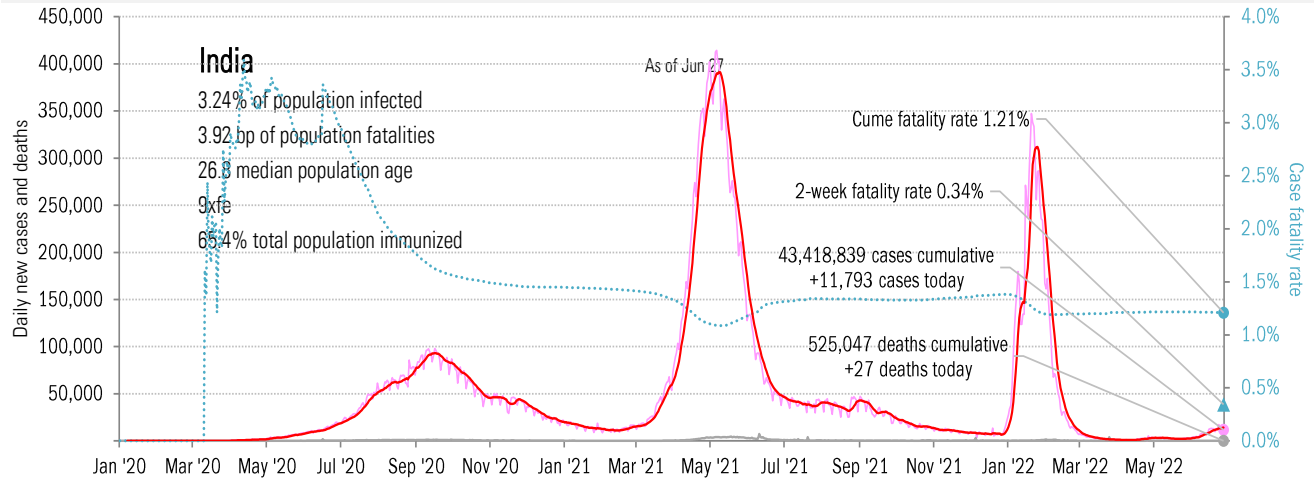
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

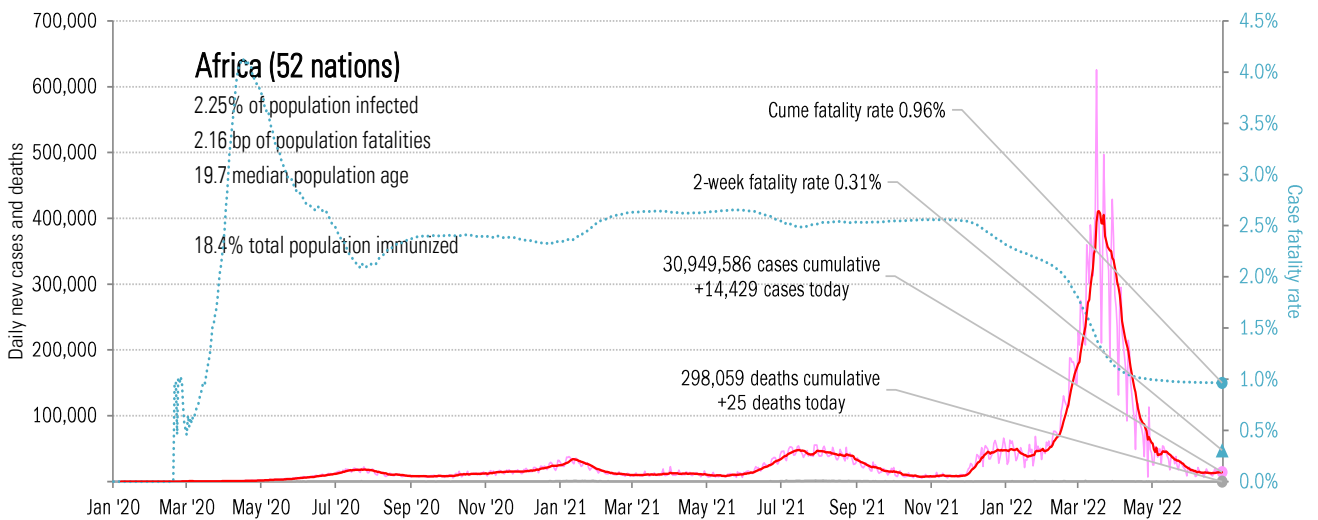
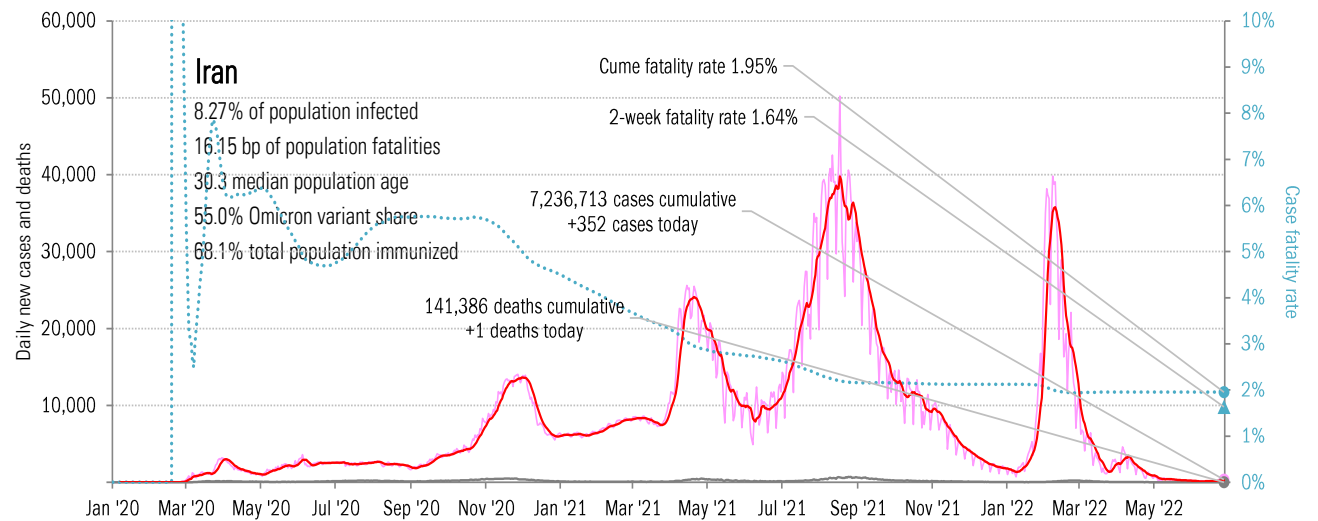
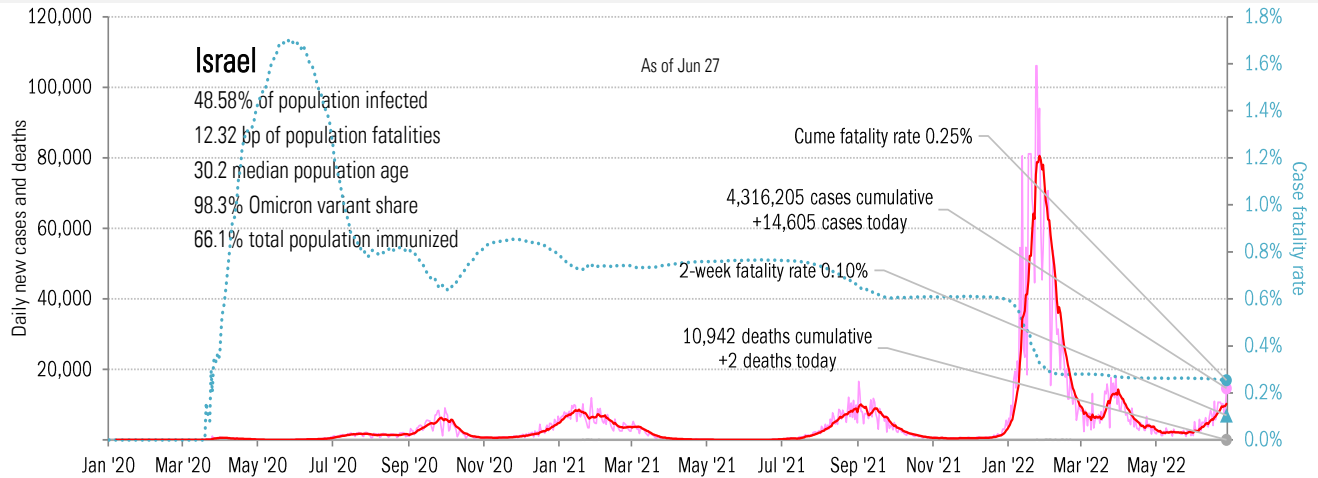
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

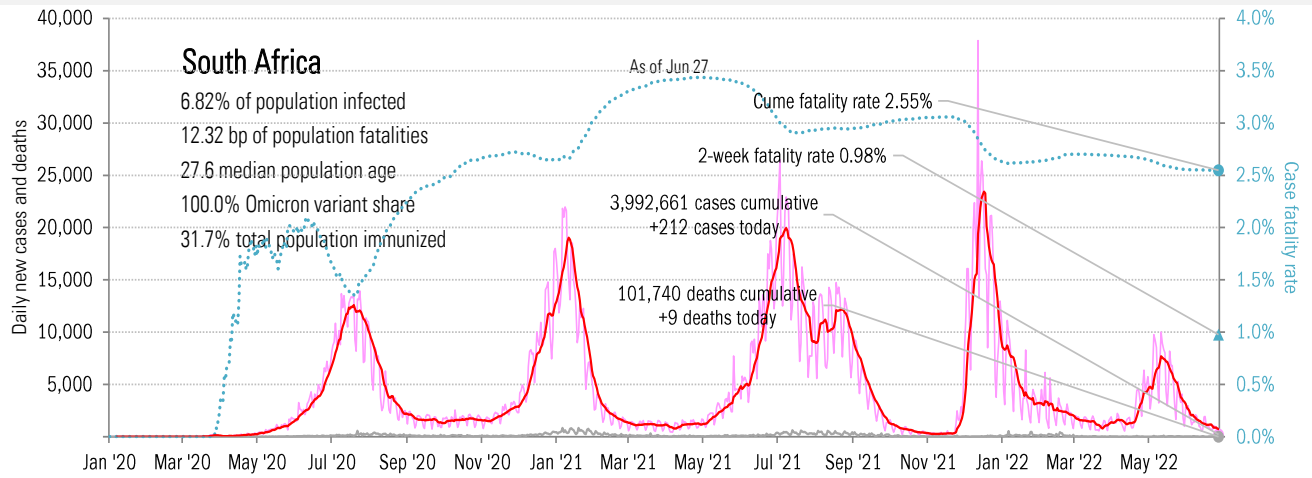
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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