

## Data Insights: Covid-2019 Monitor

Saturday, March 4, 2023

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries (see China note page 14)

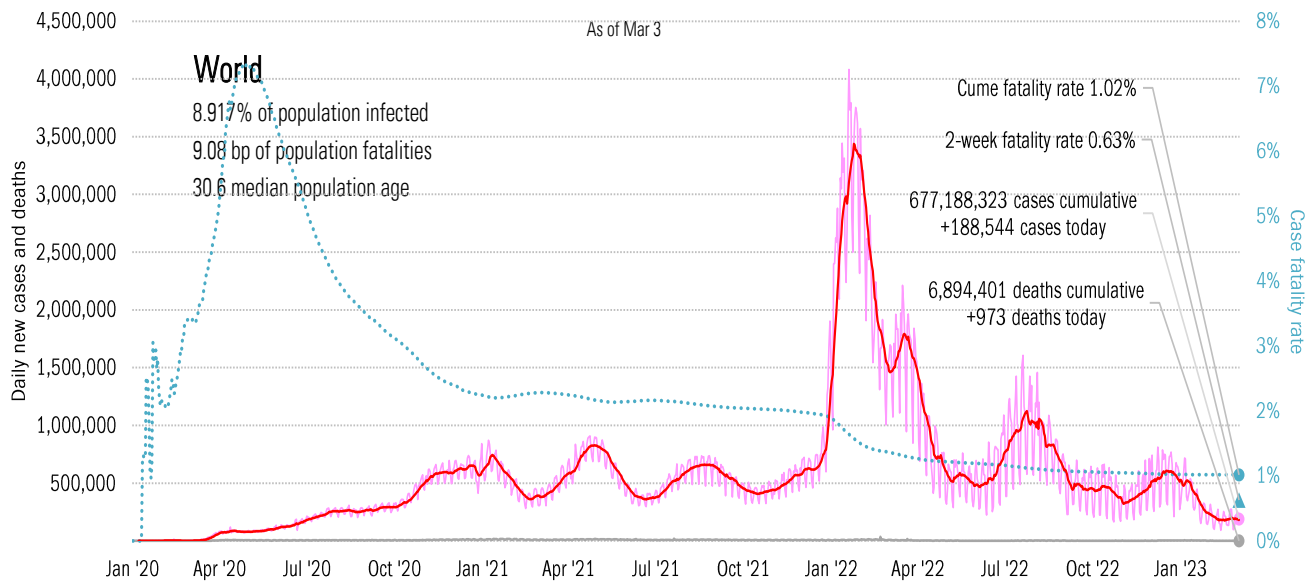
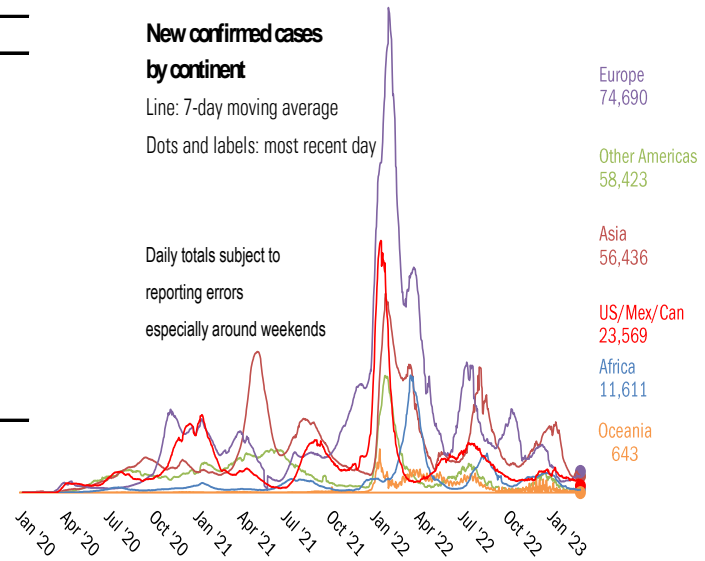
New cases		New Deaths	
United States	44,260	United States	308
China	43,429	Germany	101
Brazil	17,745	Spain	99
Russia	14,375	Brazil	79
Korea, South	11,121	Japan	67
Japan	10,522	Russia	39
Germany	8,279	Italy	33
Austria	5,099	Cyprus	25
Italy	3,808	France	21
United Kingdom	3,769	Poland	17

New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day

Daily totals subject to reporting errors especially around weekends



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

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

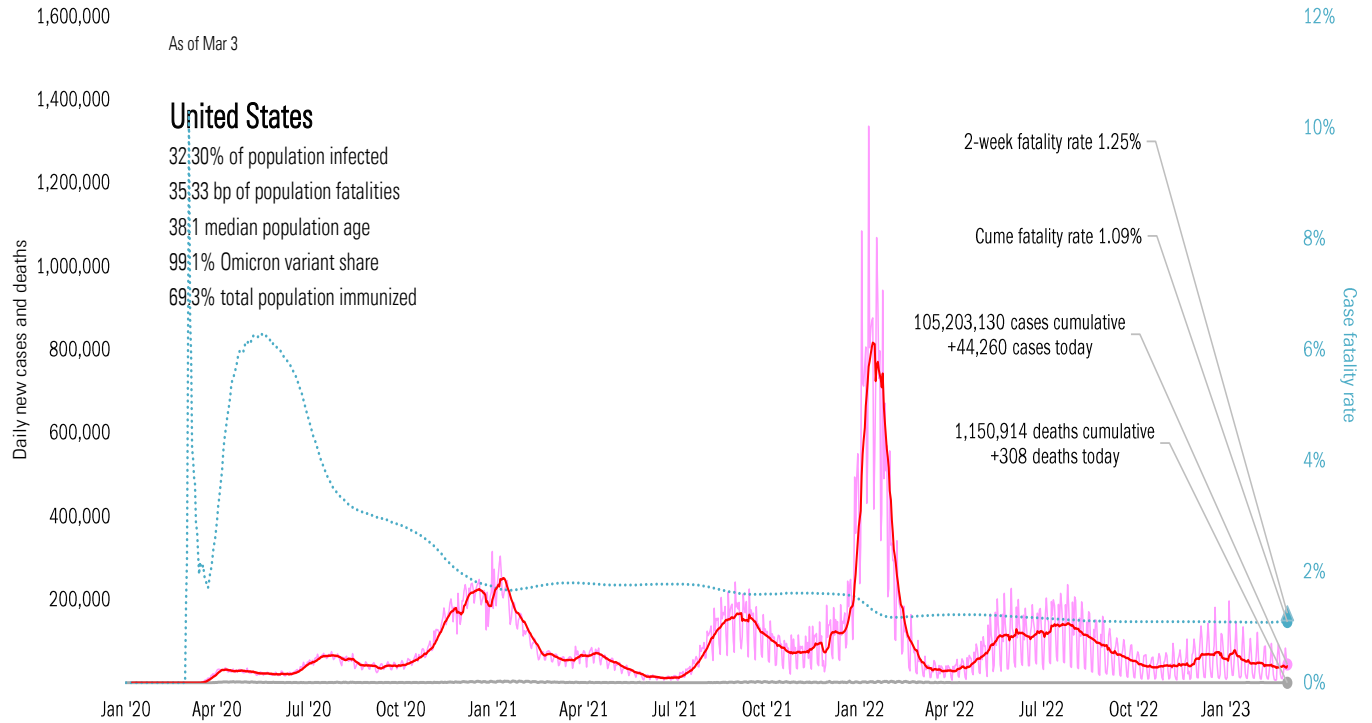
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	8,241		CA	30		NC	123		CA	12,110,297		CA	101,037		TX	589,615		MA	87%	AL	88%
MN	5,147		MO	27		FL	233		TX	8,454,365		TX	93,283		CA	569,113		DC	86%	TX	85%
CA	4,217		WV	22		MA	105		FL	7,574,590		FL	86,850		FL	533,587		DE	85%	WV	85%
IL	1,795		MI	20		NY	204		NY	6,786,888		NY	77,089		NY	355,154		RI	85%	DC	84%
NY	1,724		MA	17		CA	439		IL	4,072,972		PA	50,281		CH	244,637		WV	85%	NC	83%
WV	1,706		PA	16		UT	26		PA	3,520,813		GA	42,427		GA	242,582		MN	85%	MA	82%
CO	1,689		GA	14		AR	26		NC	3,467,226		MI	42,096		PA	231,031		CT	83%	AK	81%
CH	1,332		IL	11		AL	49		CH	3,392,320		CH	41,749		IL	214,185		AK	83%	CK	81%
PA	1,181		WI	10		MO	63		GA	3,065,390		IL	41,443		MI	180,937		WA	82%	AR	81%
NC	1,089		FL	10		TN	66		MI	3,057,222		NJ	35,991		NJ	163,467		MO	82%	RI	81%
28,122			176			1,334			55,502,083			612,246			3,324,308						
All states	44,260			308			2,985		All states	105,203,130			1,150,914			6,022,328		All states	70%		67%
Top ten	64%			57%			45%		Top ten	54%			55%			55%		Median	76%		74%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-628	NY	-30	TX	-51
AR	-208	NM	-7	CA	-50
MO	-175	MD	-5	IL	-49
MD	-113	AR	-4	IN	-42
NJ	-82	NH	-2	CO	-34

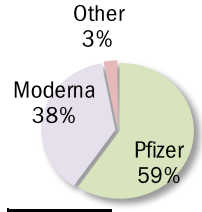


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	688,874,547		+0.073 million		US	69.3%	81.2%
			Of which boosters: +0.046 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%
Total population	277,995,771	83%	236,920,363	71%	+0.012 million	Spain	85.6%
Age 12 to 17	18,489,485	73%	15,821,611	63%	+0.001 million	Germany	76.2%
Age 18 to 64	184,796,583	91%	157,013,258	77%	+0.007 million	Italy	81.2%
Age 65 and over	61,113,123	100%	53,528,865	98%	+0.001 million	Australia	82.7%
						Israel	65.2%
						Canada	82.6%
						Japan	83.4%
						Africa	29.3%
						India	67.2%
						Brazil	81.7%
						China	89.5%



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

"Immunity" = two doses

AK
73.0%
65.1%

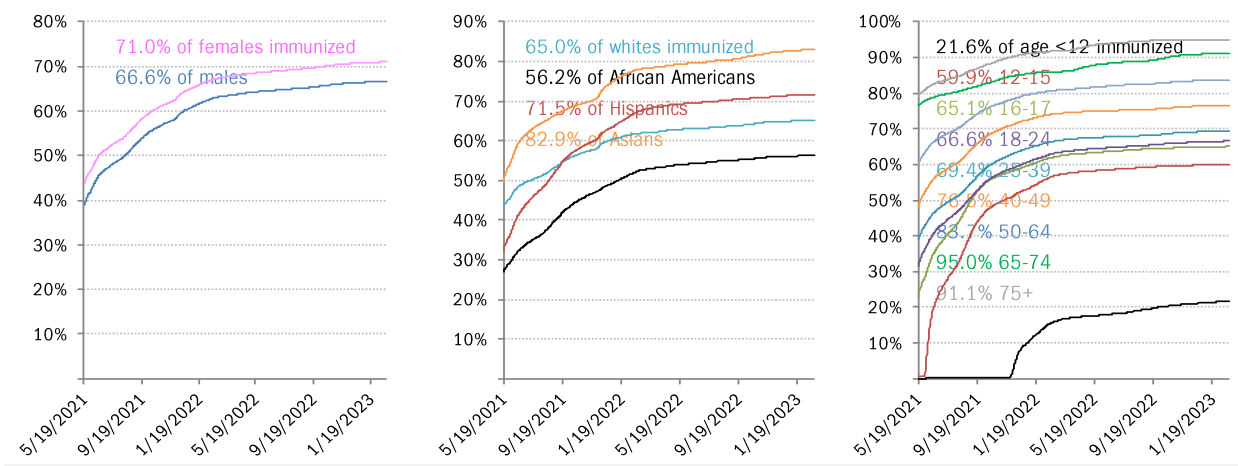
WI
75.2%
68.2%

As of Mar 3

ME
95.0%
83.4%

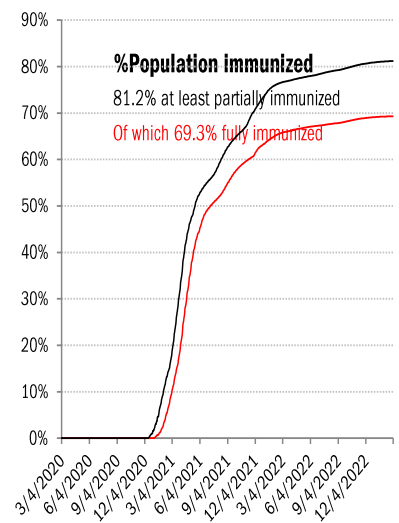
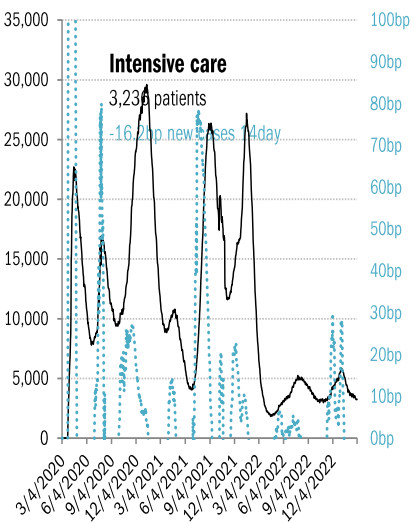
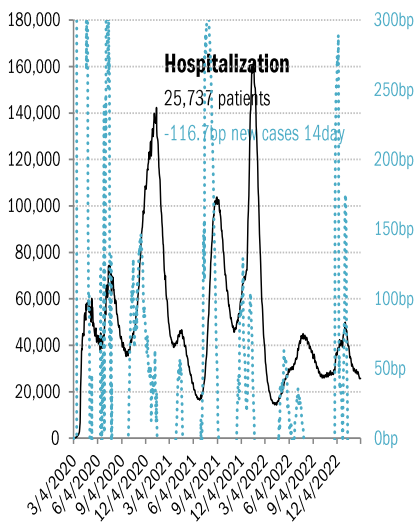
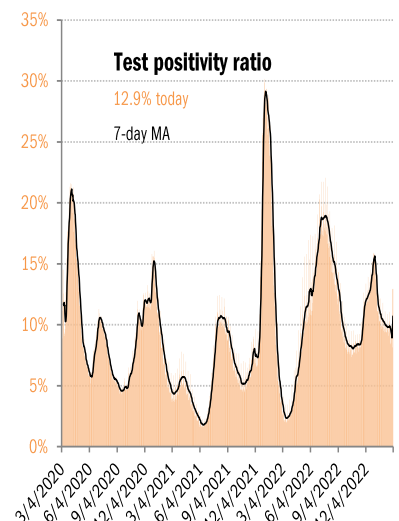
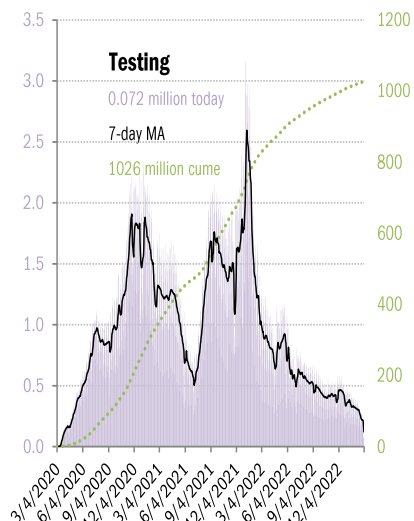
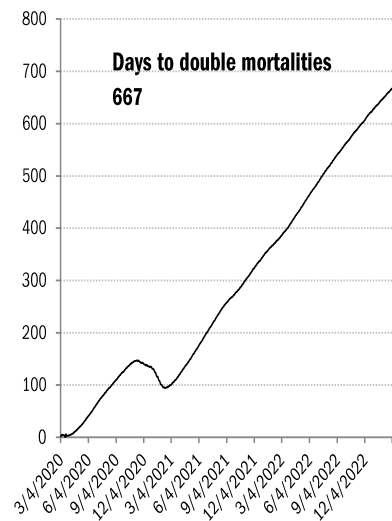
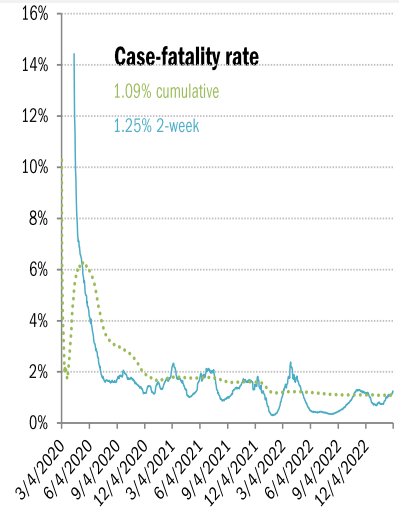
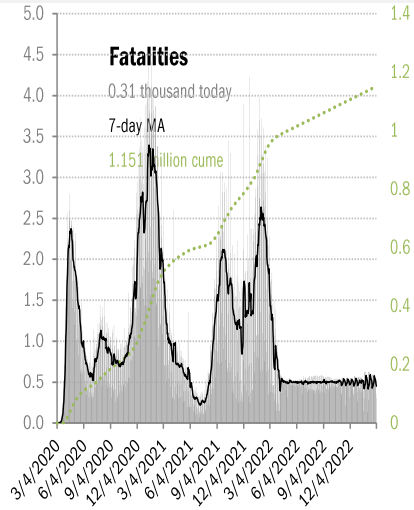
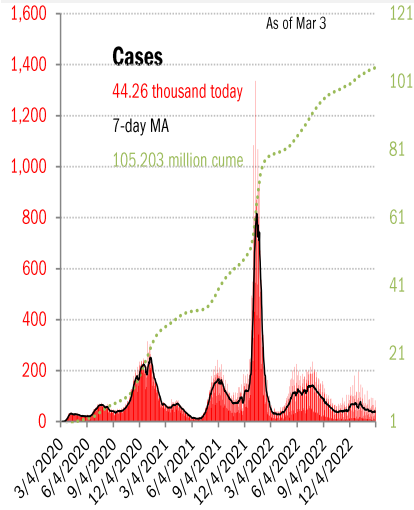
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
85.3%	64.0%	68.3%	69.4%	78.9%	79.2%	69.5%	94.5%	95.0%	88.2%	
76.1%	56.5%	59.2%	58.7%	72.2%	71.4%	62.3%	80.8%	85.8%	72.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.7%	77.7%	60.9%	84.0%	70.7%	64.4%	65.8%	90.7%	94.7%	95.0%	
72.4%	63.7%	53.0%	66.3%	64.4%	57.8%	60.5%	73.4%	79.2%	84.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.8%	75.4%	83.7%	73.4%	69.4%	68.9%	67.5%	91.0%	91.8%	95.0%	95.0%
74.7%	66.8%	73.5%	66.3%	59.1%	59.6%	59.7%	76.6%	79.8%	83.1%	87.8%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.9%	94.5%	76.3%	69.9%	64.4%	92.3%	71.0%	95.0%	88.3%	
	66.1%	75.2%	65.4%	56.9%	56.3%	67.2%	59.9%	90.5%	73.4%	
			OK	LA	MS	AL	GA			
			74.7%	62.8%	61.7%	65.0%	68.4%			
			60.5%	55.0%	53.7%	53.2%	57.3%			
			TX					FL		PR
			76.5%					82.5%		90.9%
			63.3%					69.4%		84.1%

## The demographics of US vaccination

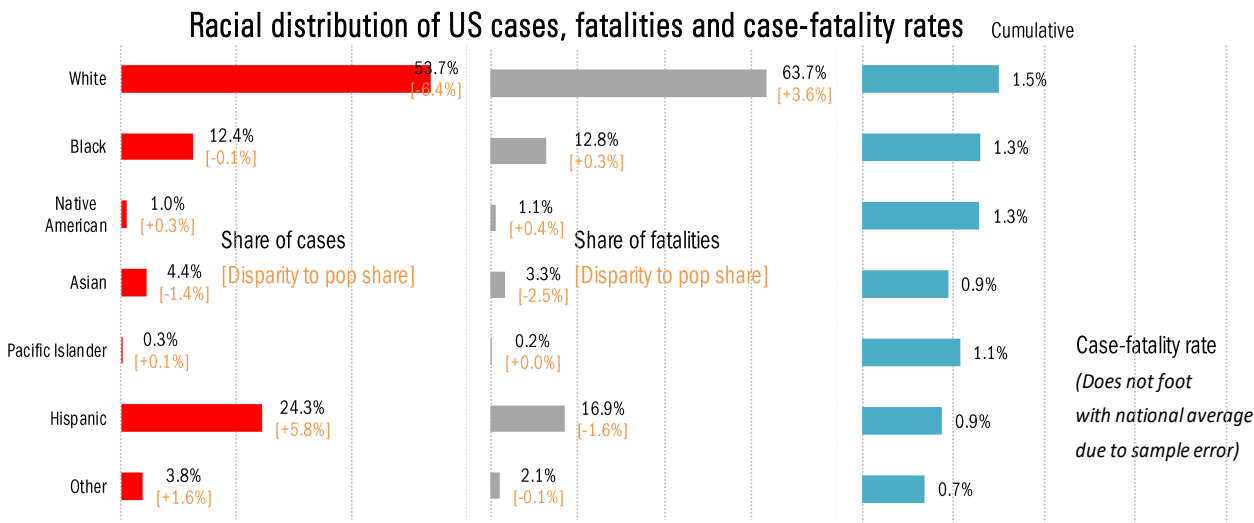
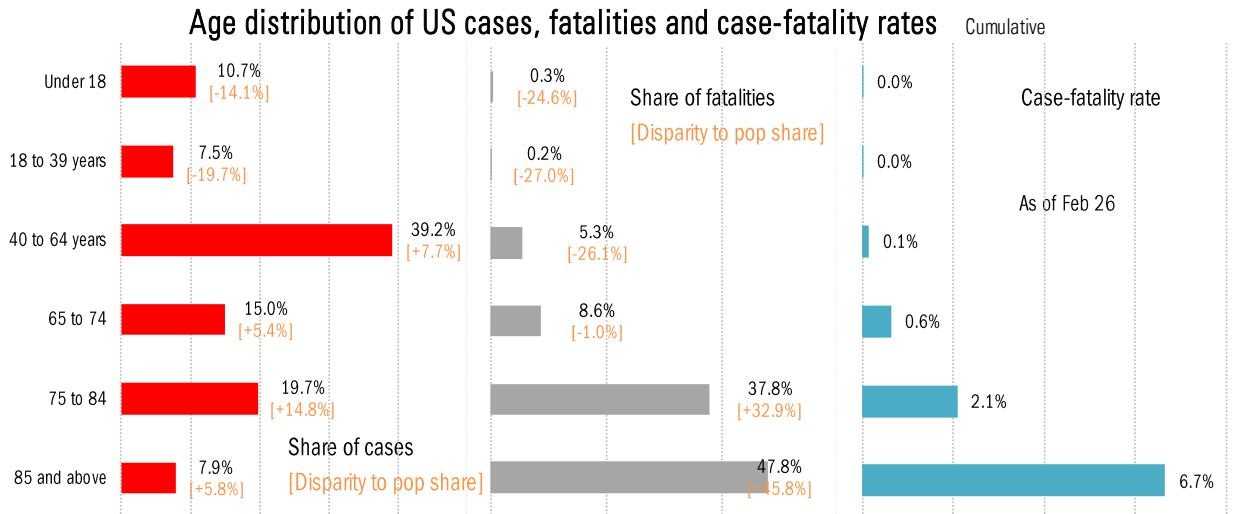


Source: CDC, CDC, Our World in Data, TrendMacro calculations

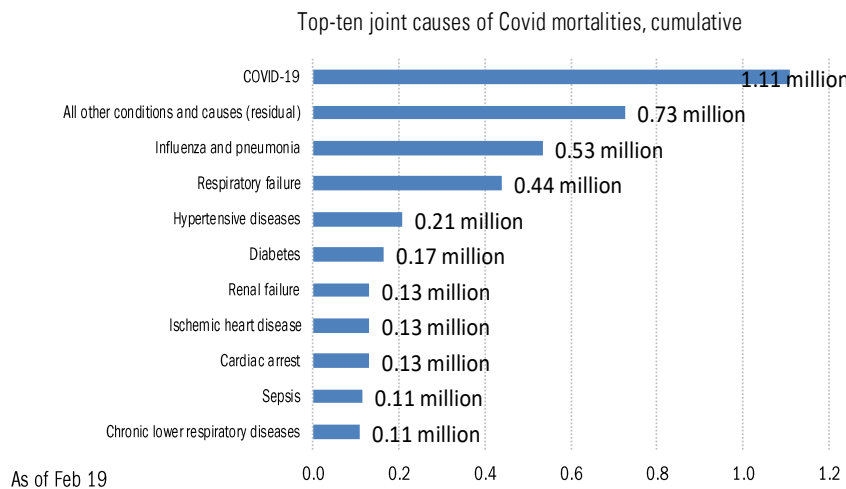
# US deep-dive



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

### [China Remains the World's Pandemic Risk](#)

Holman W. Jenkins, Jr.  
*Wall Street Journal*  
March 3, 2023

### [When Safety becomes Dangerous](#)

Gummi Bear  
*Deep Dives and Articles by Gummi Bear*  
March 3, 2023

### [Notable & Quotable: Kulldorff, Miller-Meeks and the Covid Vaccin](#)

*Wall Street Journal*  
March 3, 2023

### [The Biggest Scandal in American History](#)

Newt Gingrich  
*Gingrich 360*  
March 1, 2023

### [Have a Question About Preparing for the Next Pandemic? Ask the Experts.](#)

*New York Times*  
March 3, 2022

### [The Greatest Cover-Up in Human History](#)

Ben Shapiro  
*MRC Media Busters*  
March 2, 2023

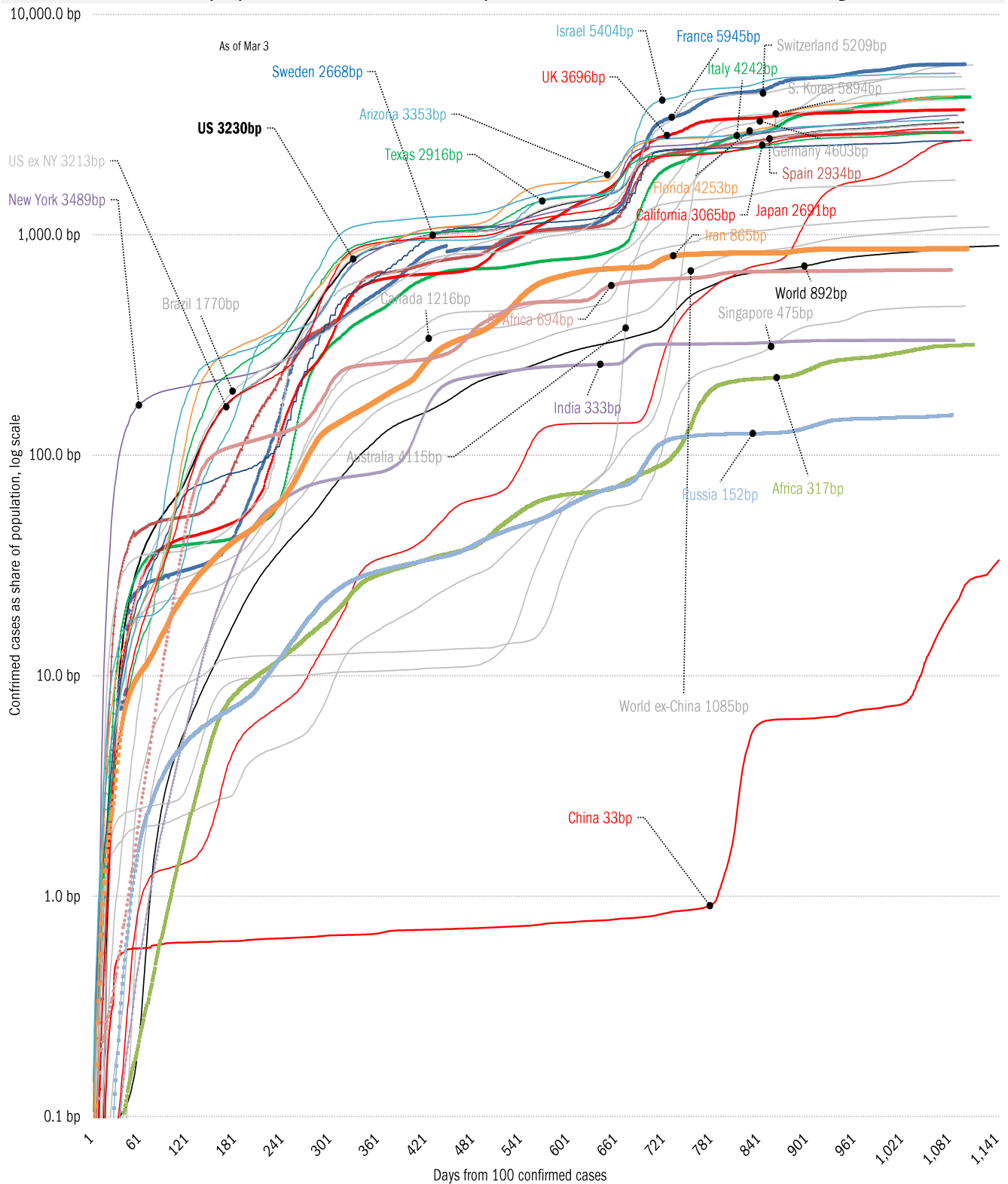
## Meme of the Day



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

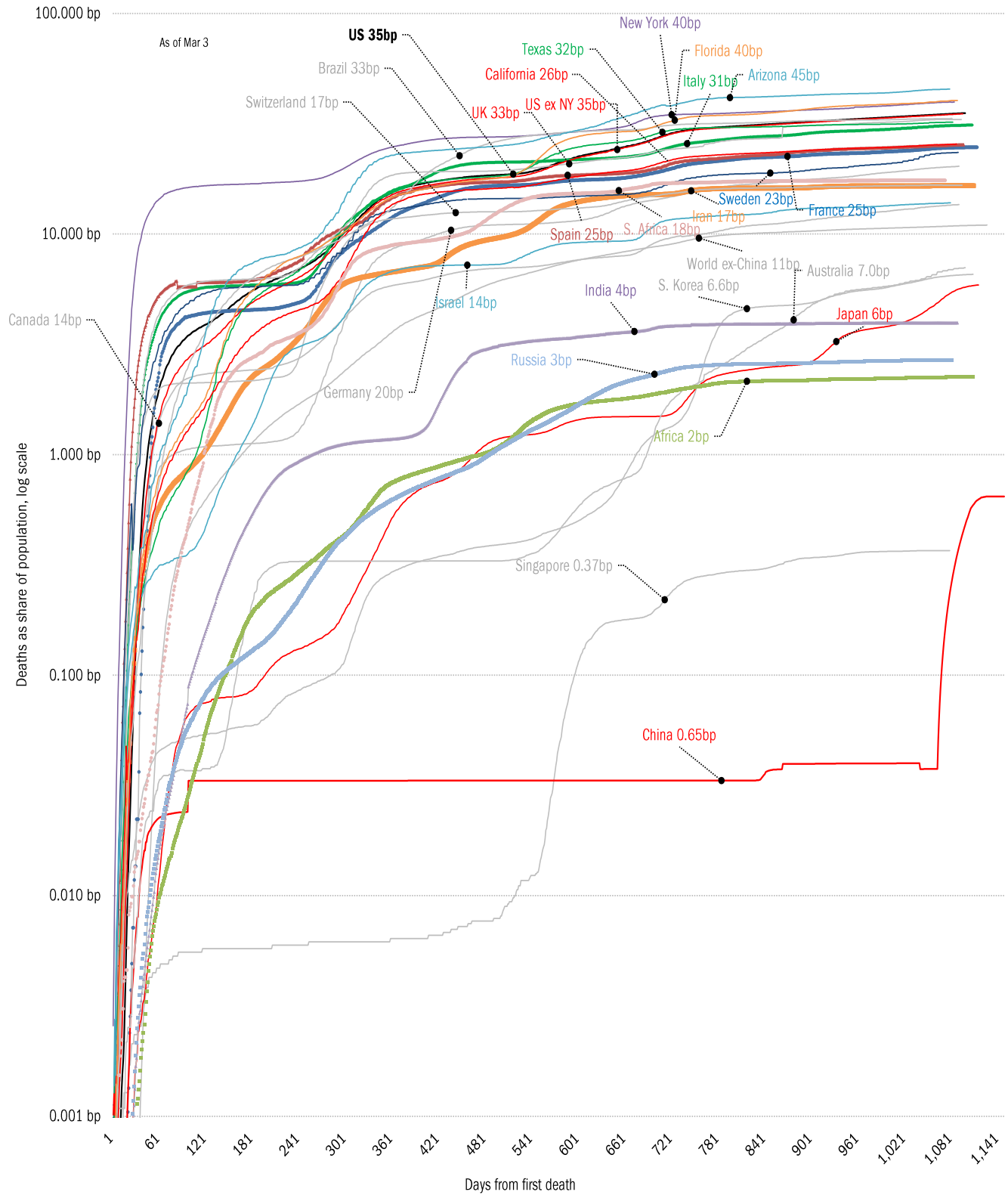
# The global coronavirus case accelerometer... tracking the world's infection curves

*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 population deceased from day of first fatality, log scale*



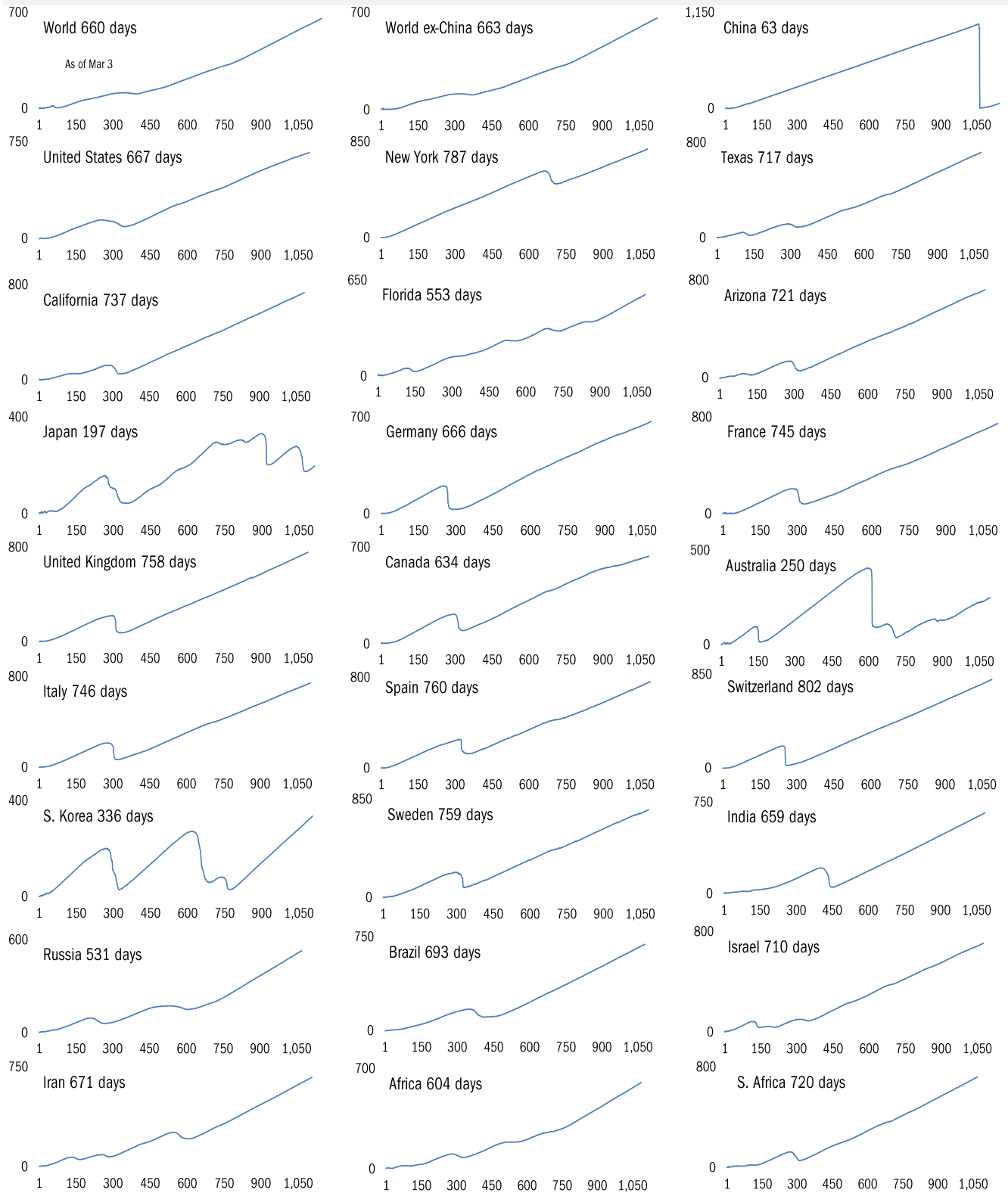
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

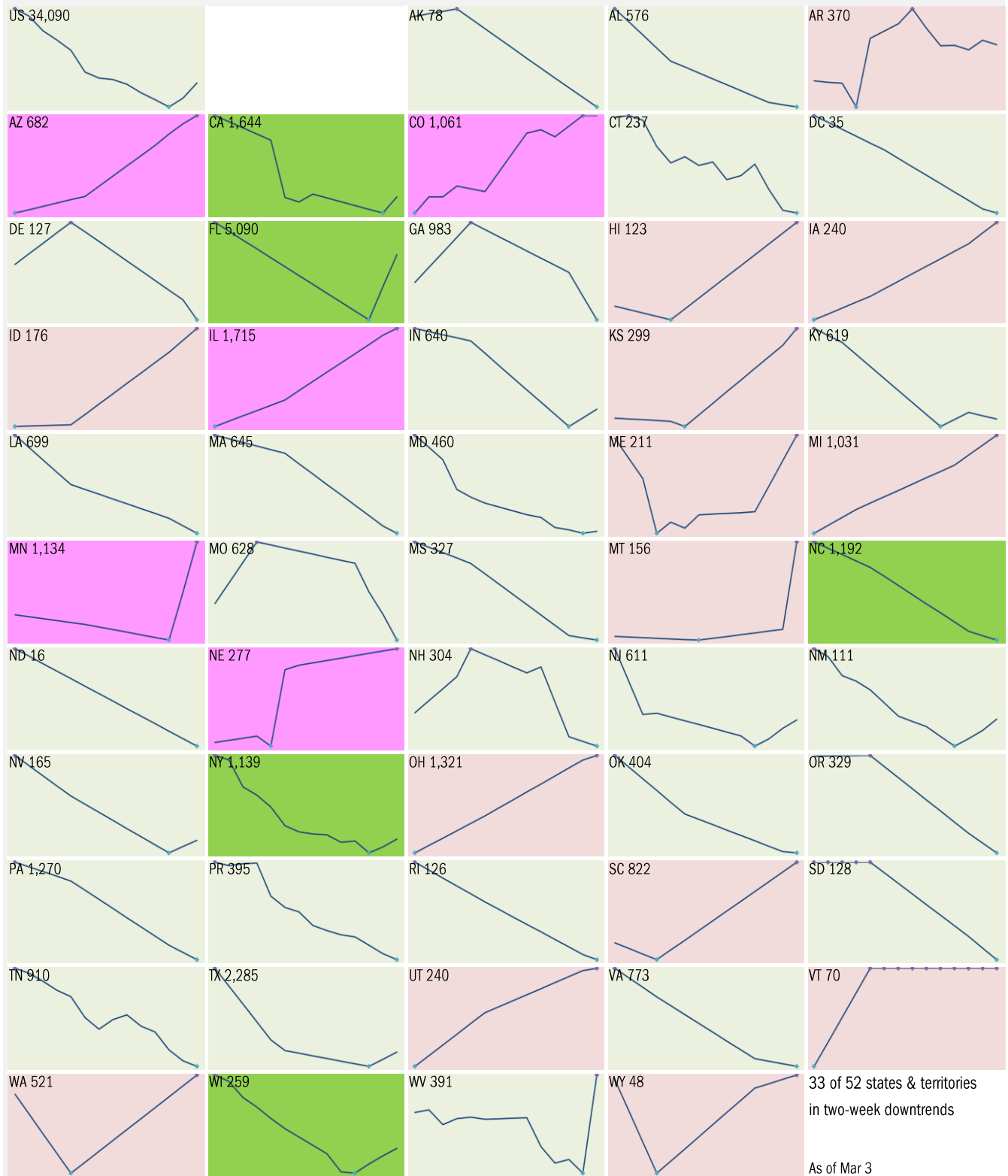


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 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

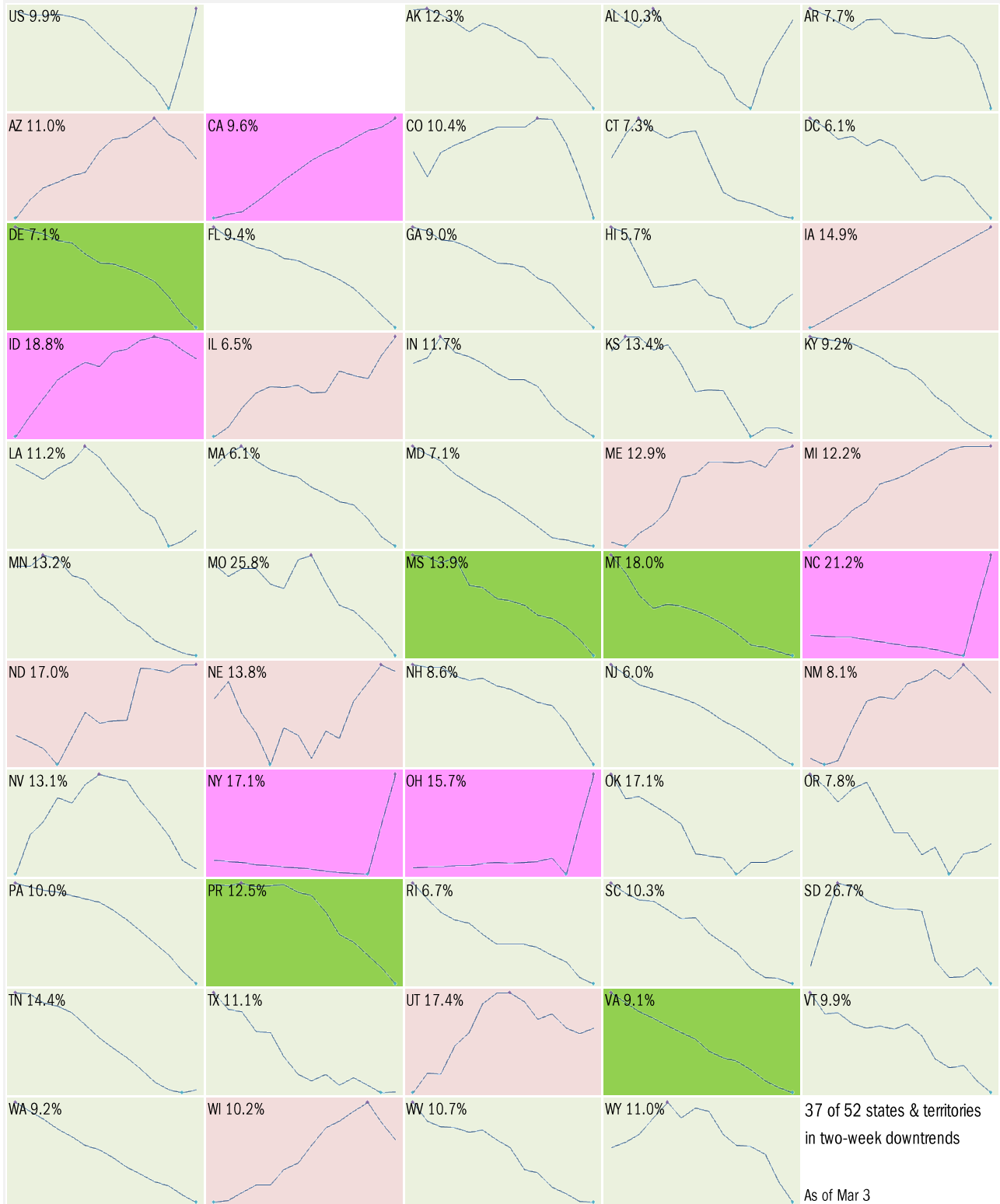


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

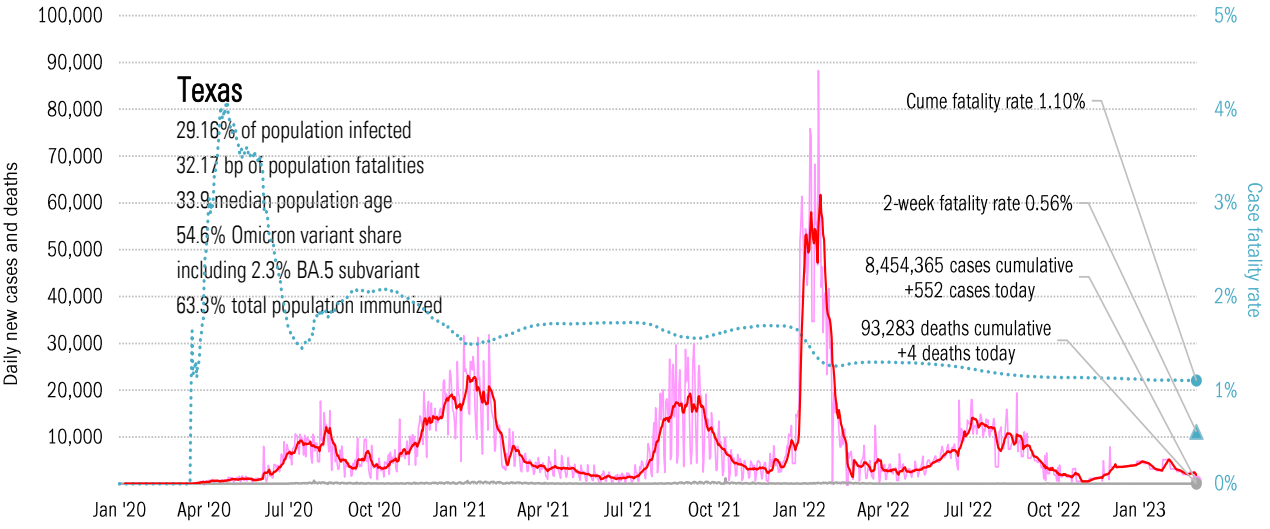
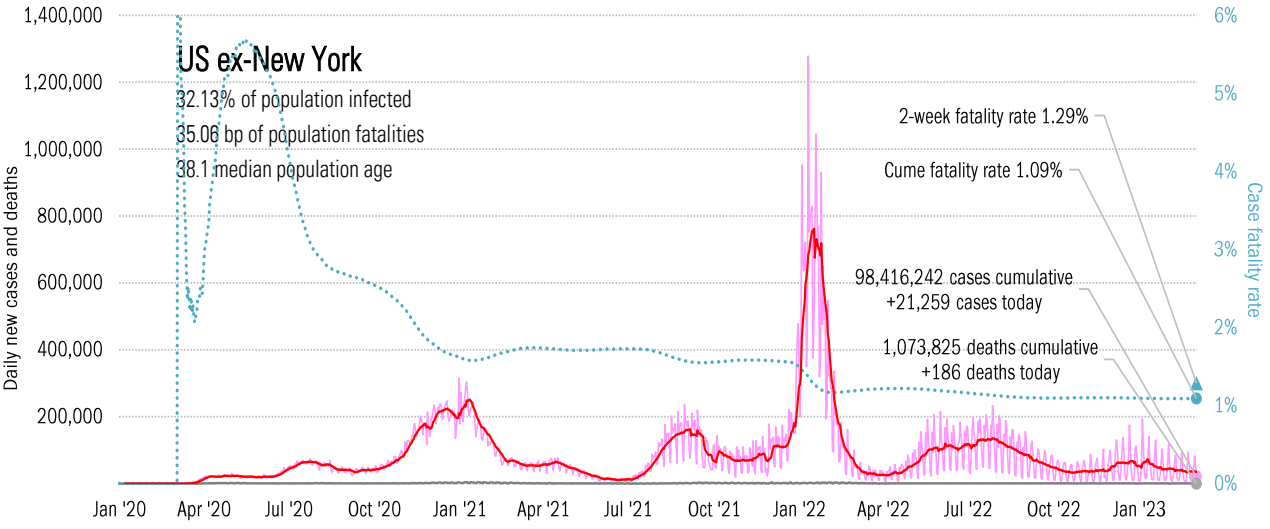
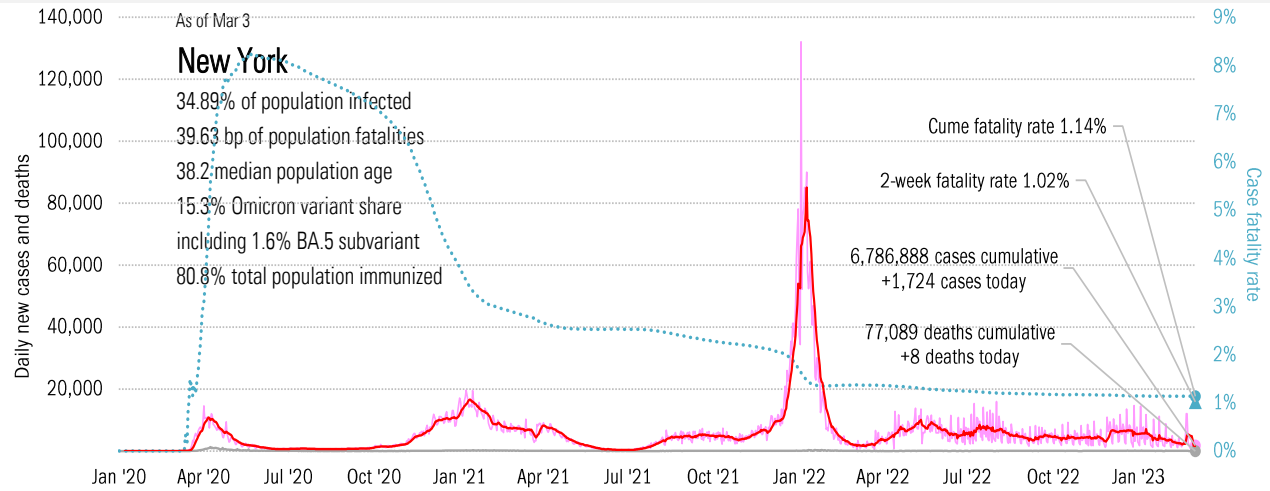
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

# From Ground Zero to the Rio Grande

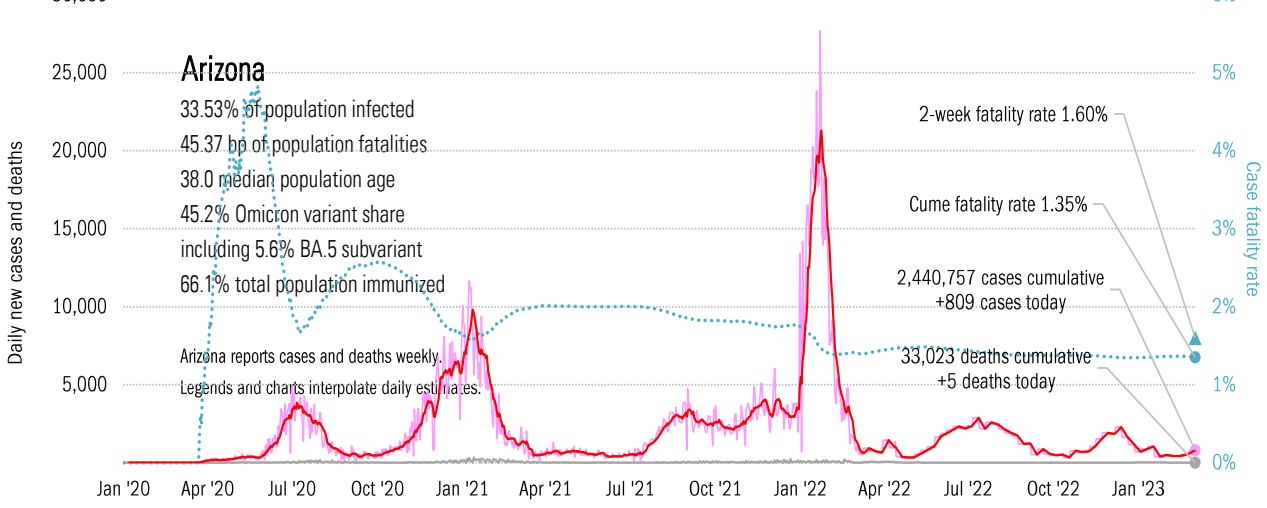
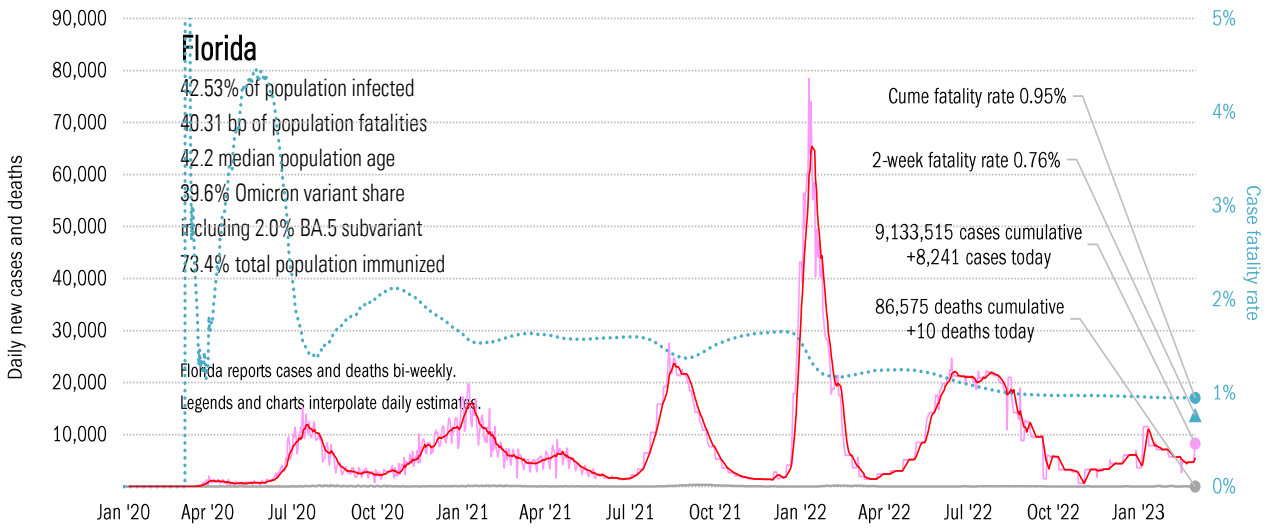
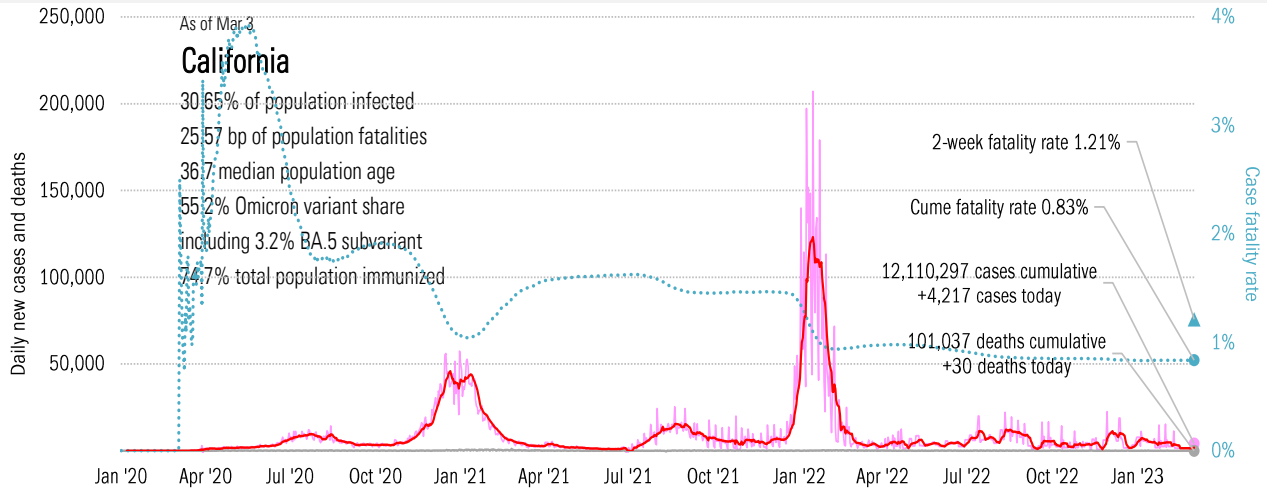
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

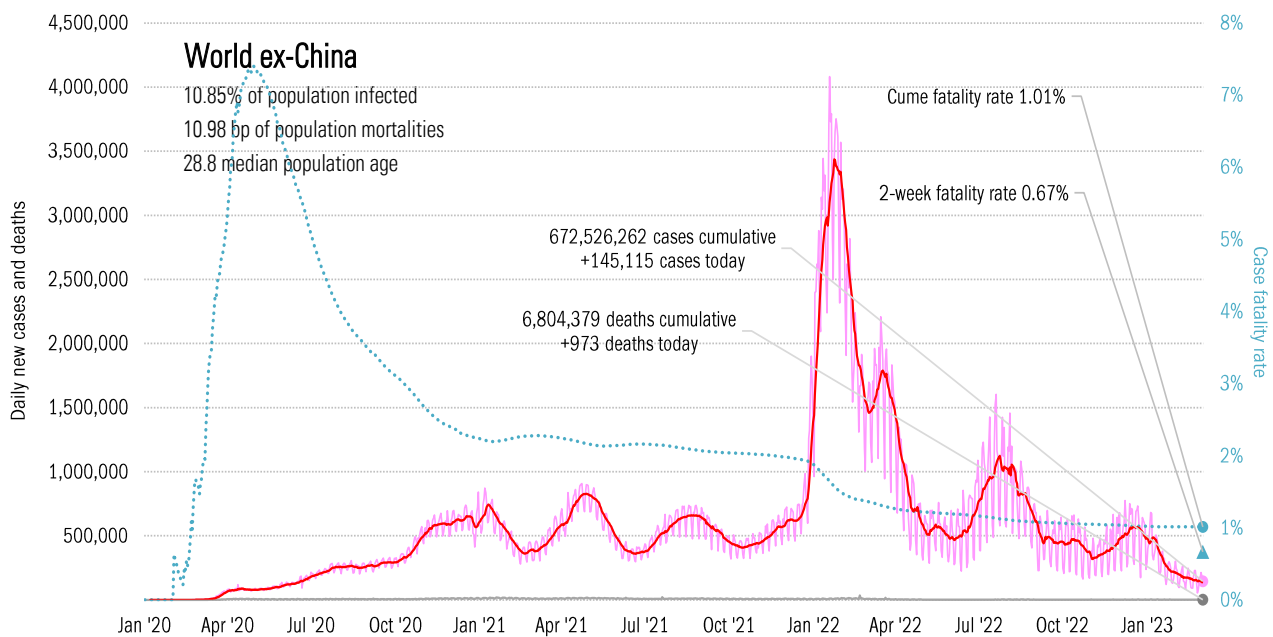
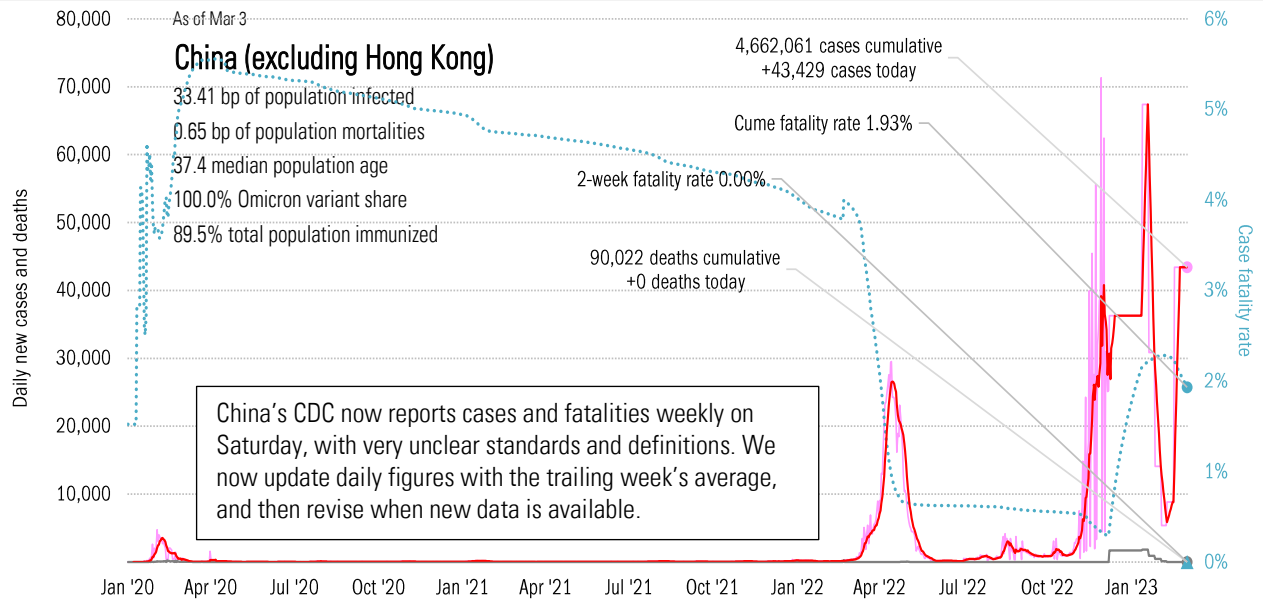
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

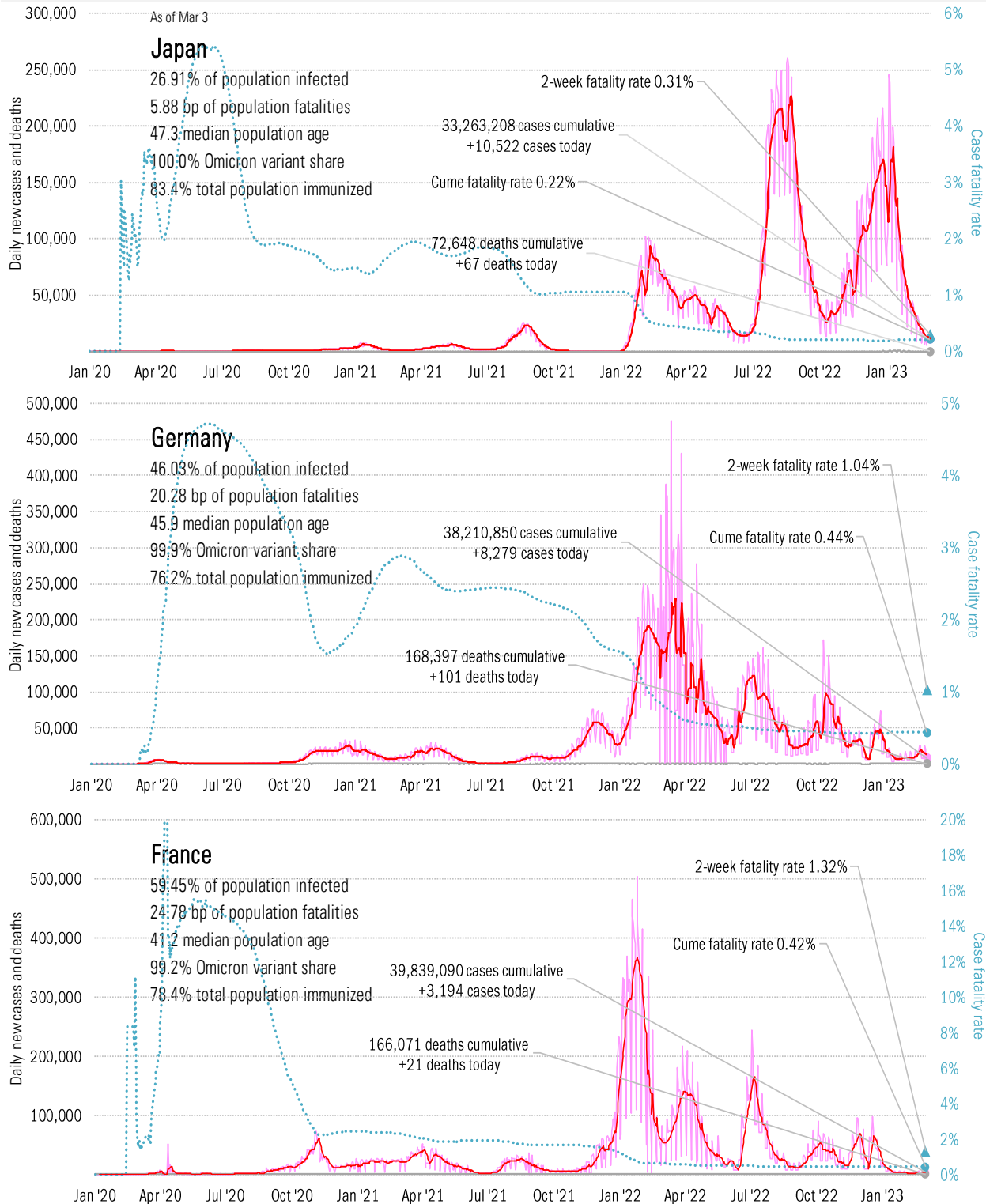
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

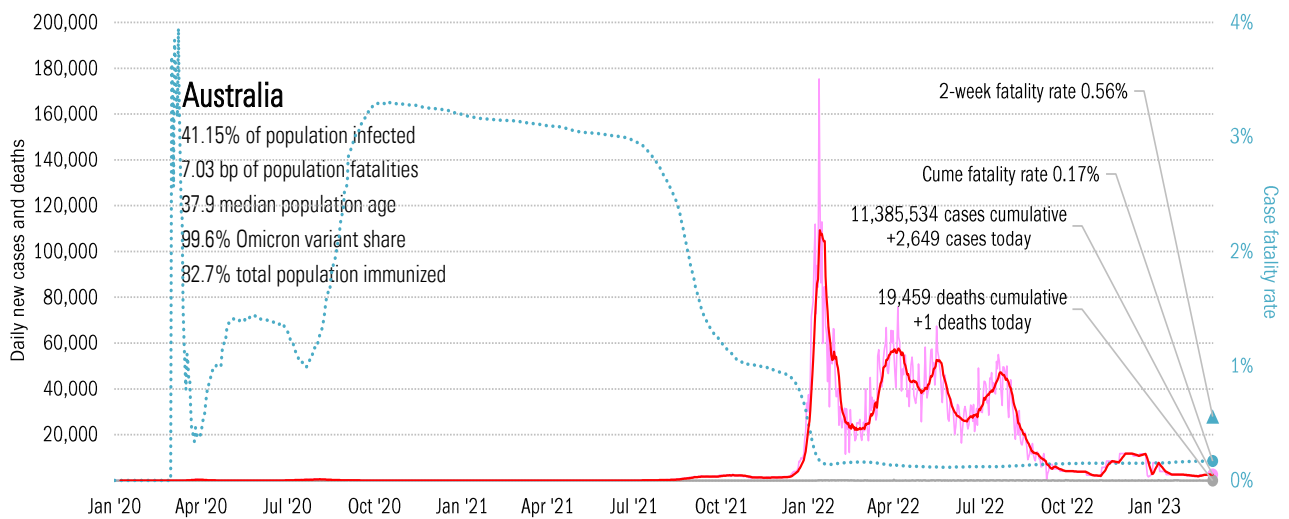
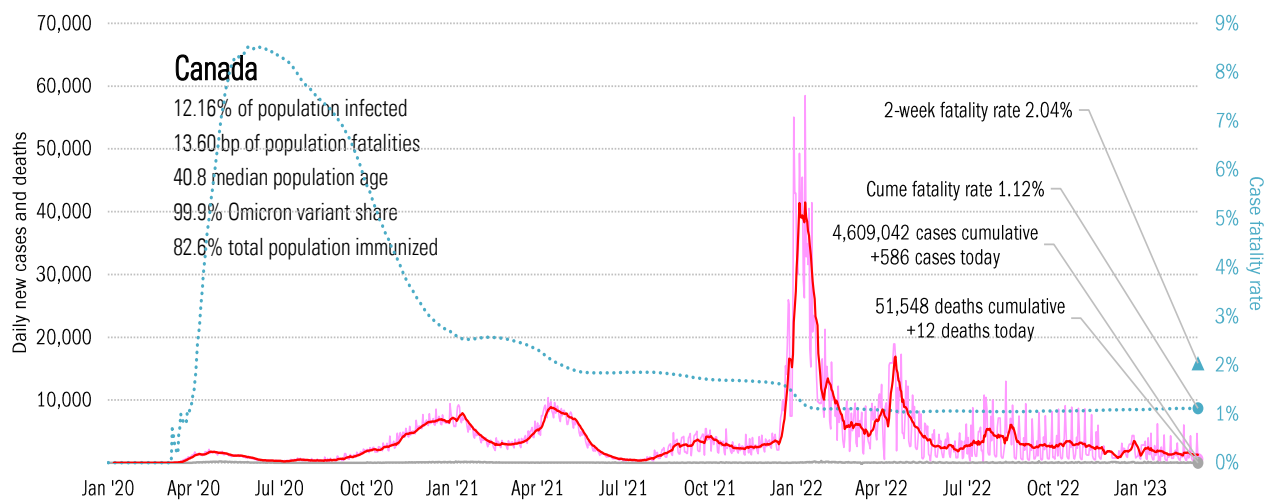
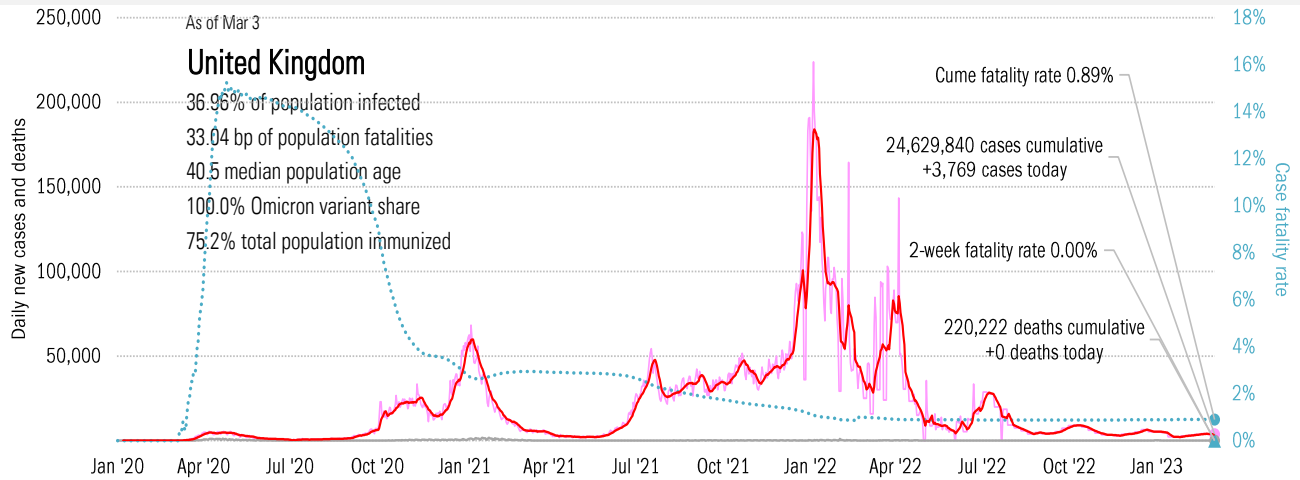
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

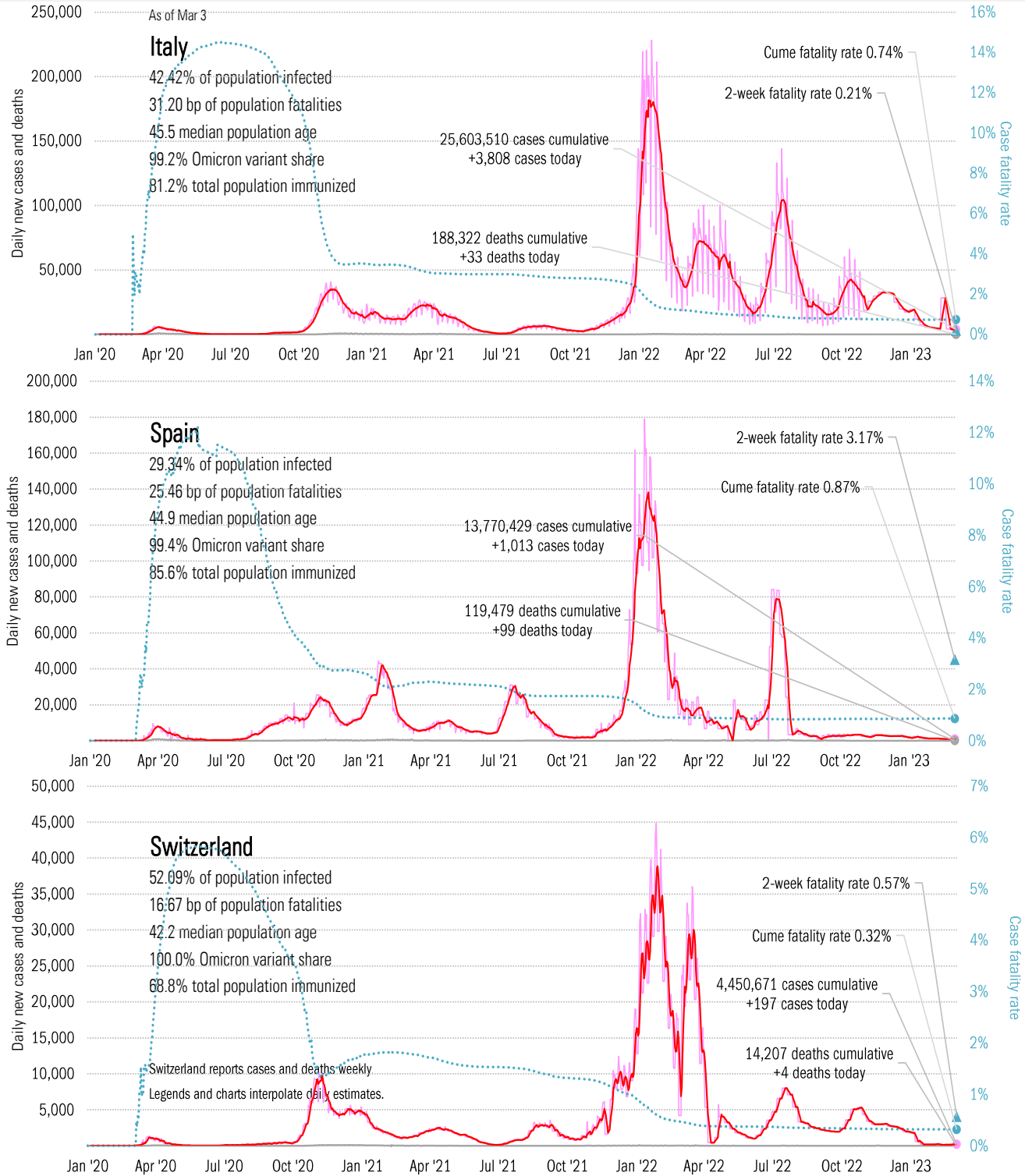


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

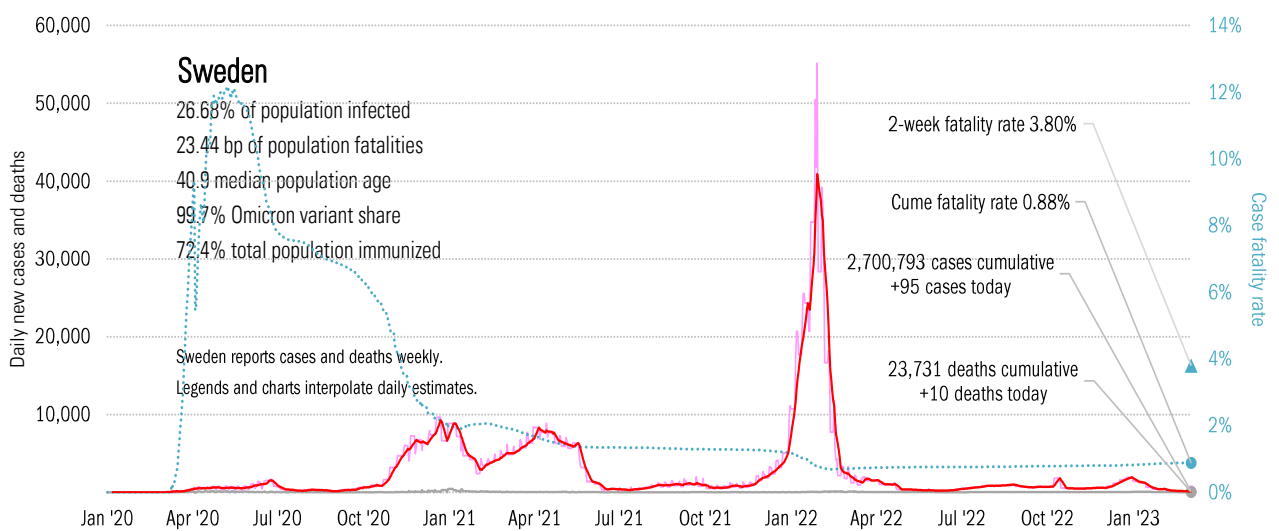
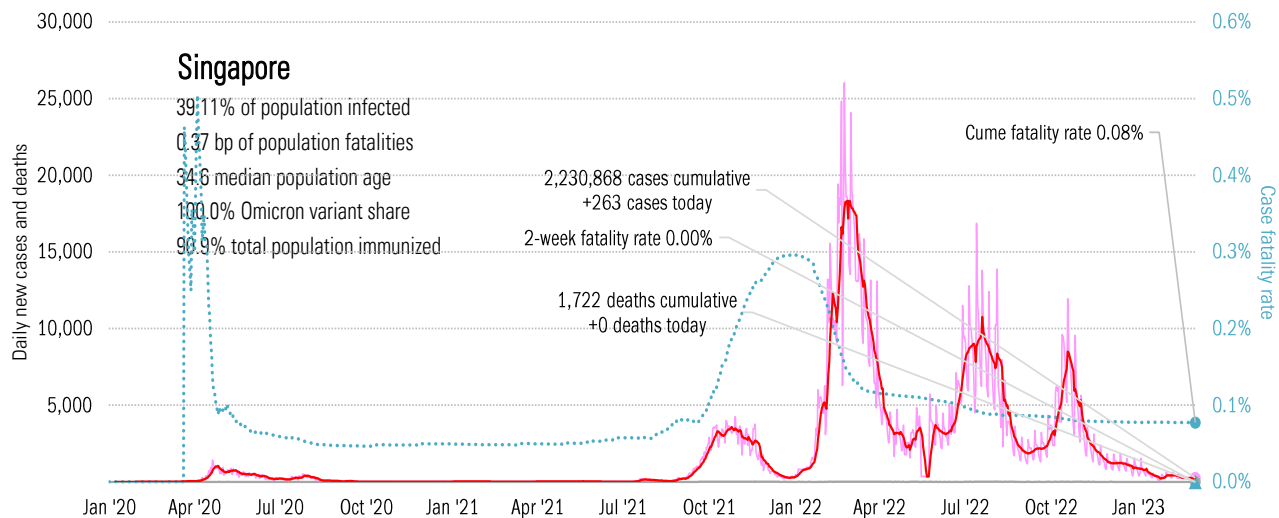
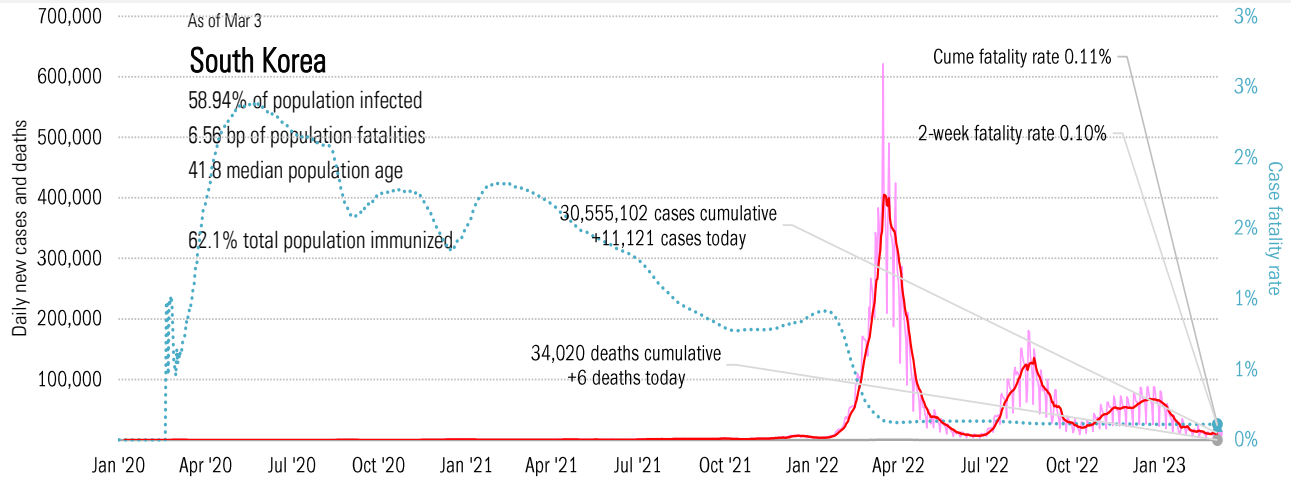
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

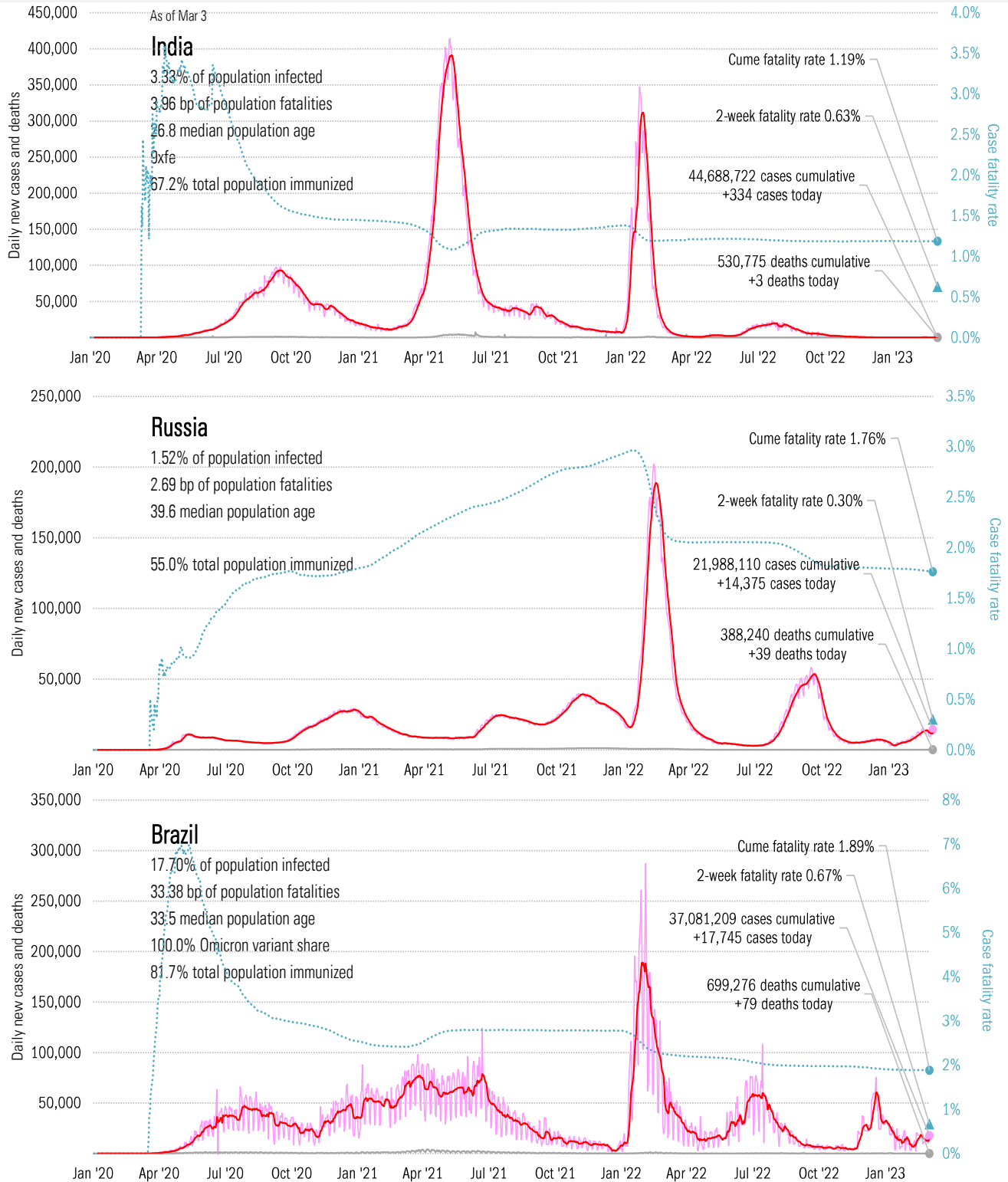
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

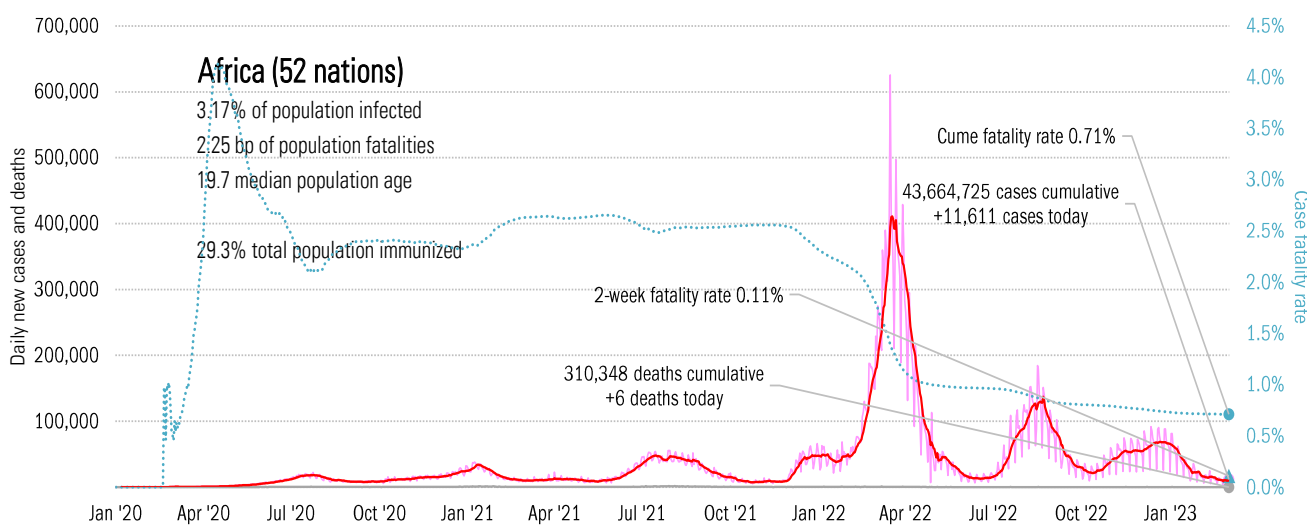
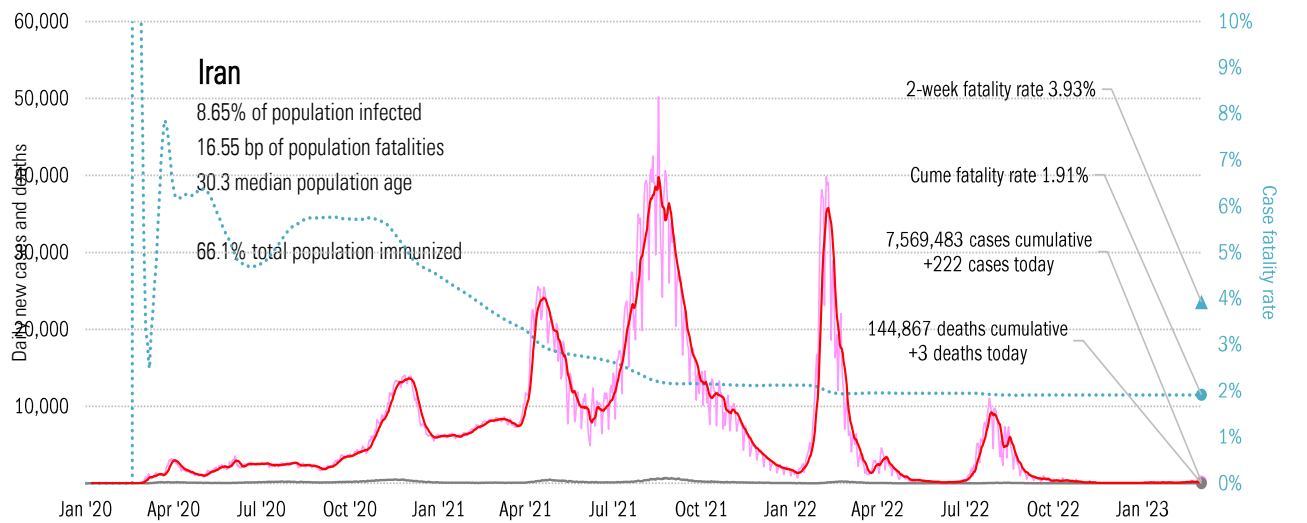
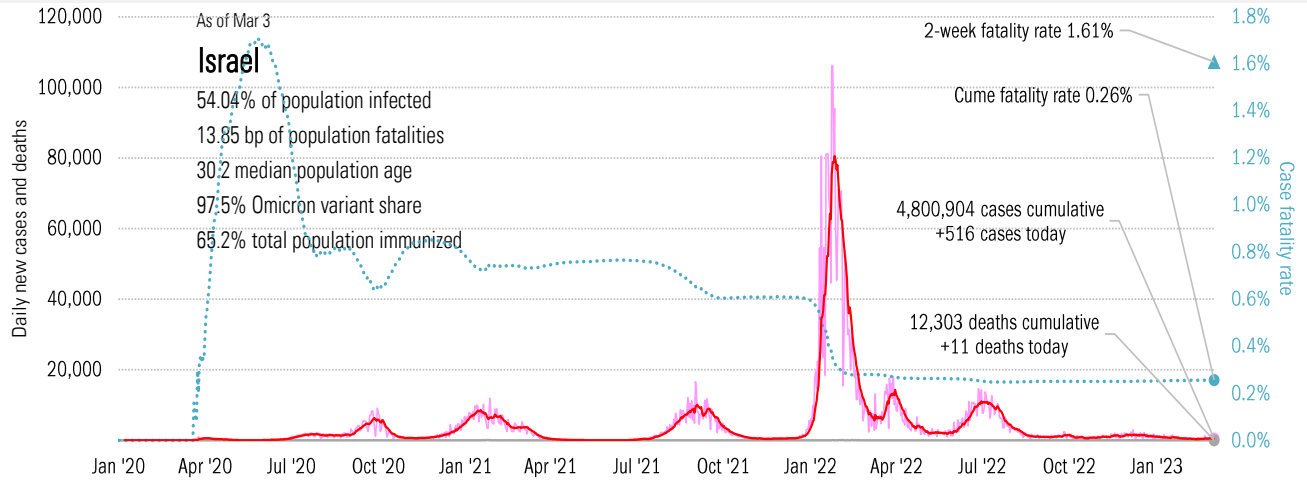
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

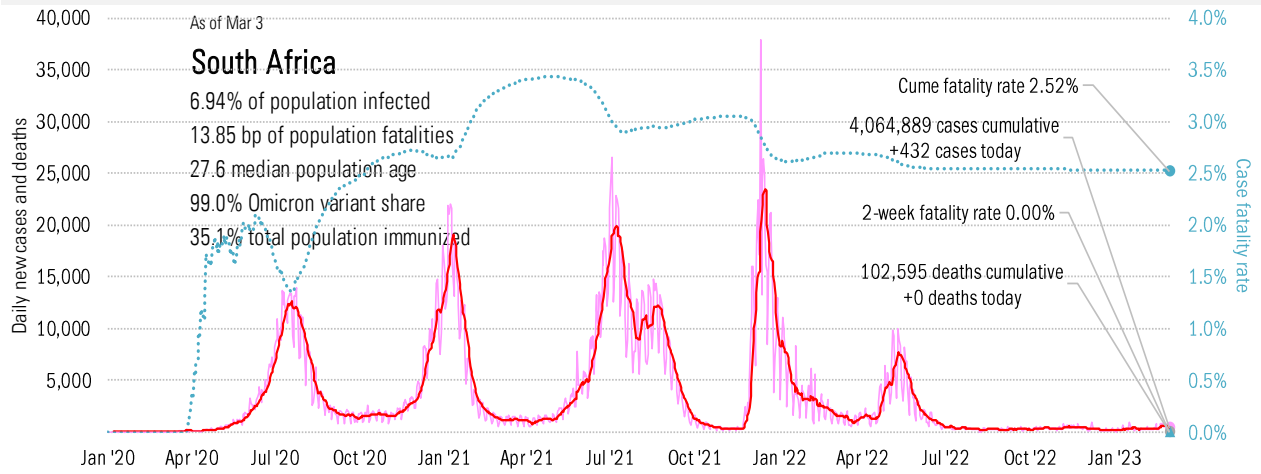
Cases: **7-day average** and **daily** Deaths: **Daily**



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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