

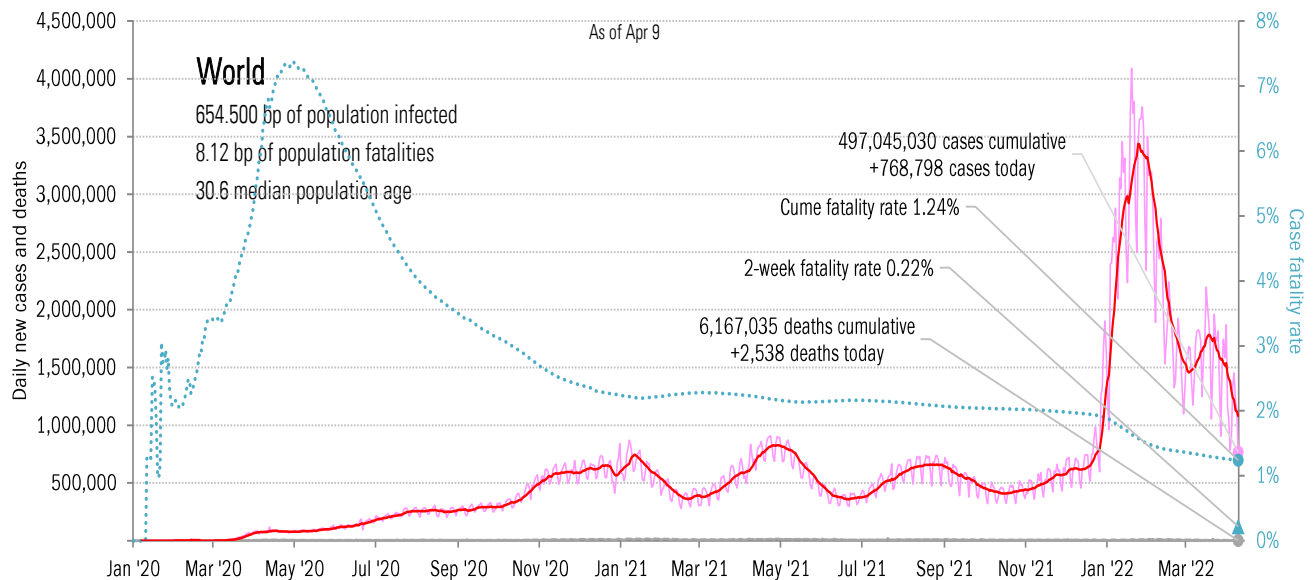
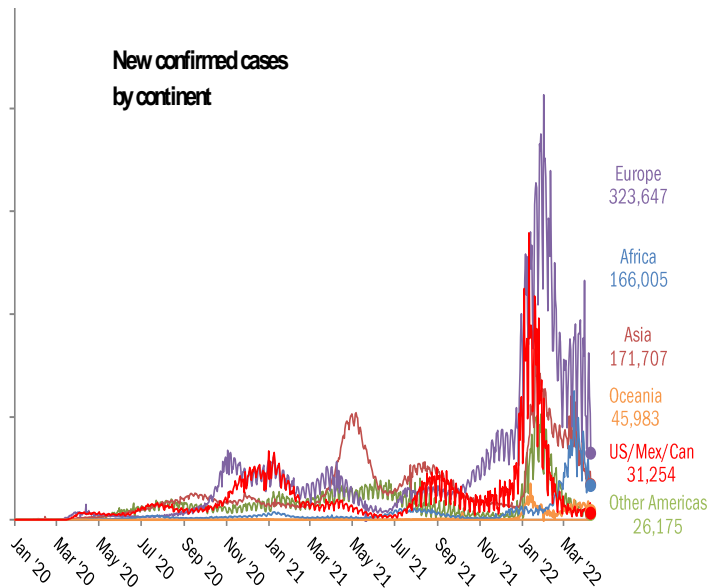
Data Insights: Covid-2019 Monitor

Sunday, April 10, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	164,481	United States	580
France	141,781	Korea, South	329
Italy	64,421	Russia	280
Germany	55,471	Italy	112
Japan	52,629	Thailand	108
Australia	39,025	Brazil	98
Vietnam	34,140	Mexico	96
Thailand	25,139	France	87
China	23,576	Philippines	70
Brazil	21,229	Canada	62
World		World	2,538
Top ten		Top ten	72%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

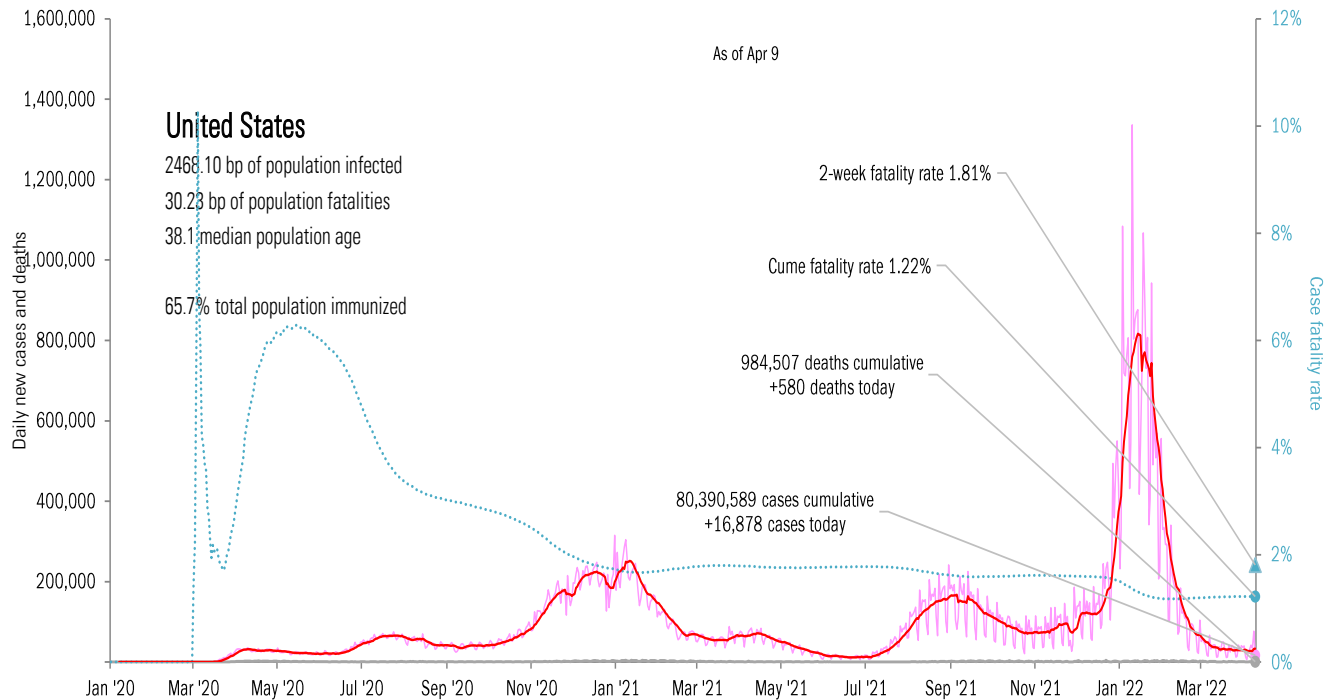
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	4,526		AZ	59		AZ	86		CA	9,132,927		CA	89,358		TX	488,010		RI	88%	RI	88%
FL	3,050		TX	46		AR	37		TX	6,783,722		TX	87,711		CA	423,765		MA	86%	KY	83%
TX	2,469		FL	38		CH	54		FL	5,897,665		FL	73,629		FL	414,136		DC	84%	AK	83%
NJ	1,629		DE	13		FL	100		NY	5,033,233		NY	68,048		NY	246,154		MD	84%	TX	83%
PA	1,057		PA	13		NY	171		IL	3,080,436		PA	44,417		GA	206,842		MN	84%	DC	81%
AZ	977		NY	7		CR	23		PA	2,788,744		CH	38,166		CH	190,415		MO	83%	AL	80%
OK	832		AR	4		MA	43		CH	2,676,629		GA	37,332		PA	175,881		PA	81%	NC	79%
FR	710		NJ	4		IN	29		NC	2,634,007		IL	35,898		IL	156,946		NH	81%	WA	79%
TN	479		ND	3		LA	23		GA	2,503,082		MI	35,776		MI	141,012		WV	81%	NH	79%
IA	246		FR	3		MT	6		MI	2,393,265		NJ	33,298		KY	132,783		CH	79%	NV	78%
15,975			190			572			42,923,710			543,633			2,575,944						
All states	16,878		580			1,508			All states	80,390,589		984,507			4,677,639			All states	70%	67%	
Top ten	95%		33%			38%			Top ten	53%		55%			55%			Median	74%	73%	

Some states not reporting

Five most improved US states

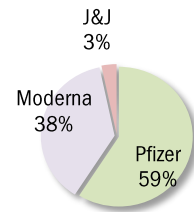
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-30,319	CA	-111	VA	-21	MD	+70 bp
CA	-11,564	KS	-105	NY	-13	AK	+10 bp
FL	-6,561	GA	-62	SD	-11	CA	+10 bp
WA	-2,661	FL	-57	OK	-8	DE	+10 bp
IL	-2,312	VA	-36	NH	-7	GA	+10 bp



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

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	580,259,743		+0.300 million	US	65.7%	77.1%
Boosters	99,924,001		+0.055 million	UK	72.6%	77.5%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,845,643	79%	224,575,764	67%	+0.043 million	France 77.8% 80.1%
Age 12 to 17	17,601,332	70%	15,023,719	59%	+0.002 million	Spain 86.1% 88.0%
Age 18 to 64	177,654,231	87%	150,724,295	74%	+0.020 million	Germany 75.4% 75.9%
Age 65 and over	58,460,910	100%	50,704,740	93%	+0.015 million	Italy 79.3% 84.1%



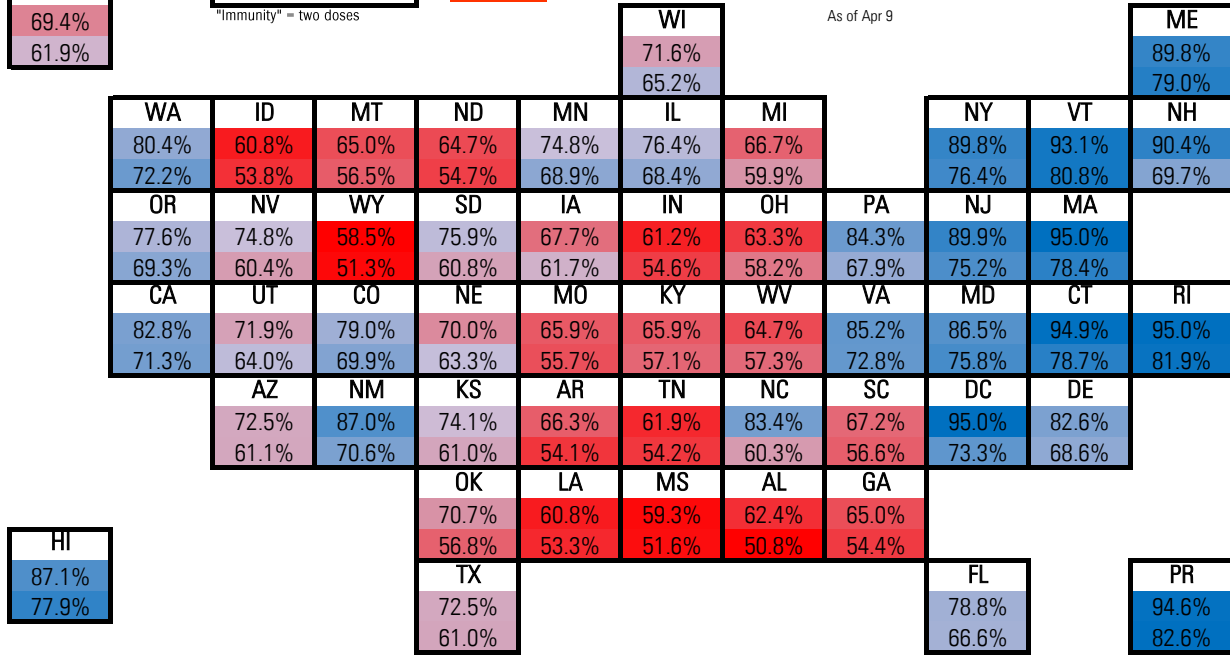
AK	69.4%
	61.9%

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

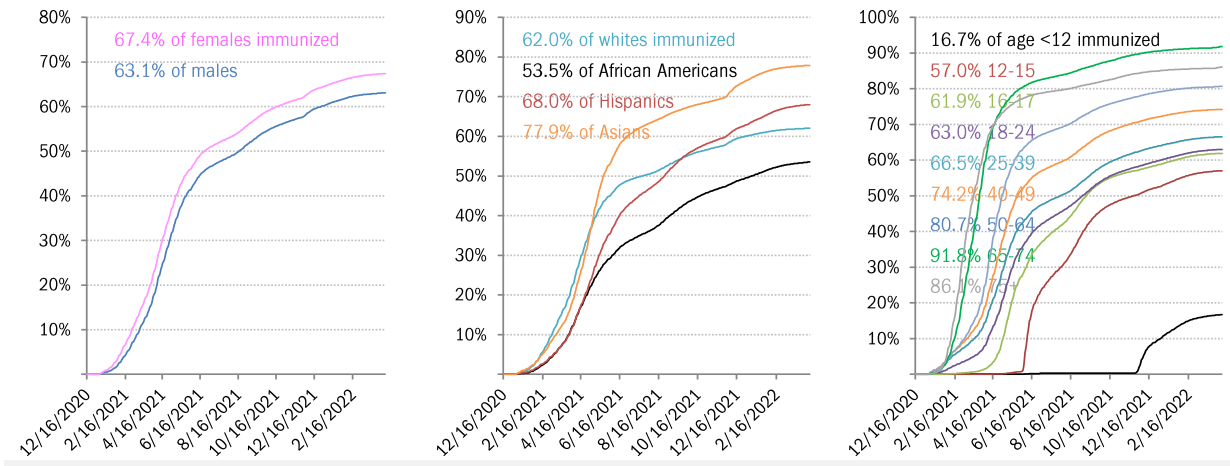
Immunity = two doses

Israel	66.0%	72.2%
Canada	82.0%	86.1%
Japan	80.0%	81.5%
Africa	15.4%	20.5%
India	60.0%	71.3%
Brazil	75.5%	84.9%
China	86.1%	88.5%

Global data differs due to sources, timing



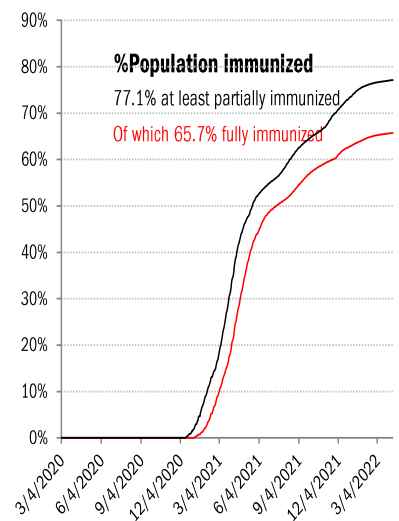
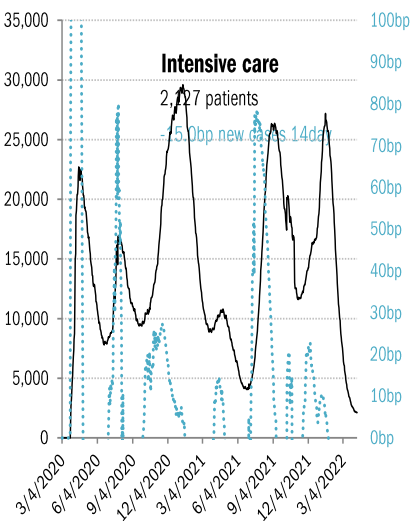
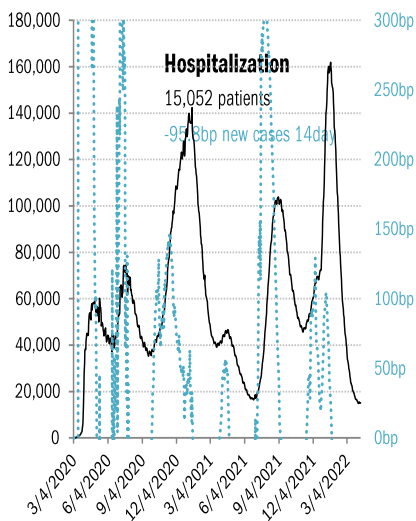
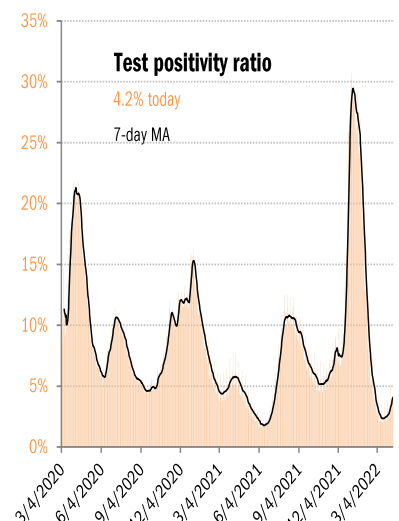
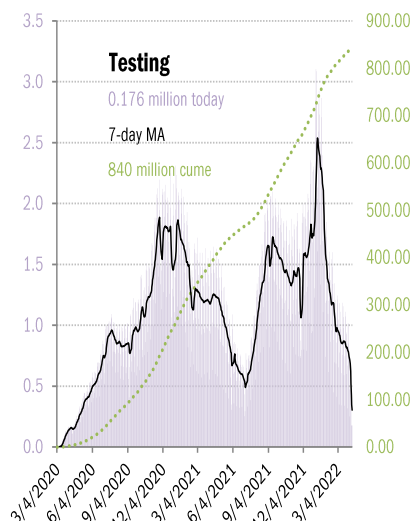
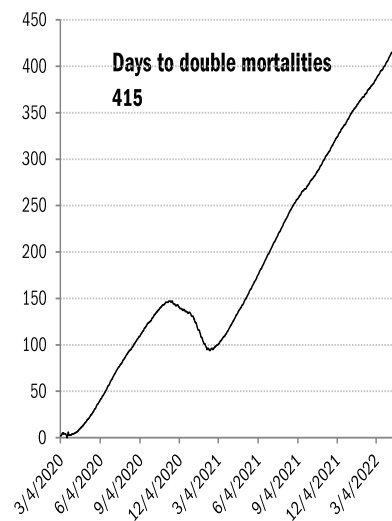
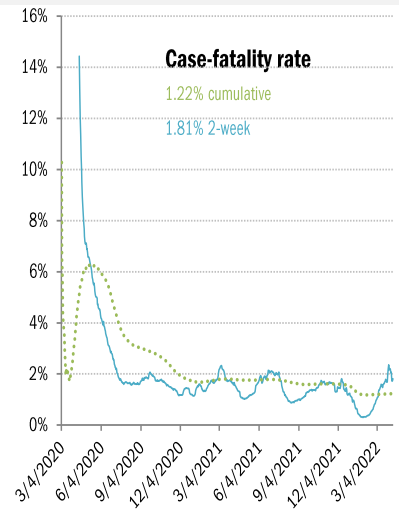
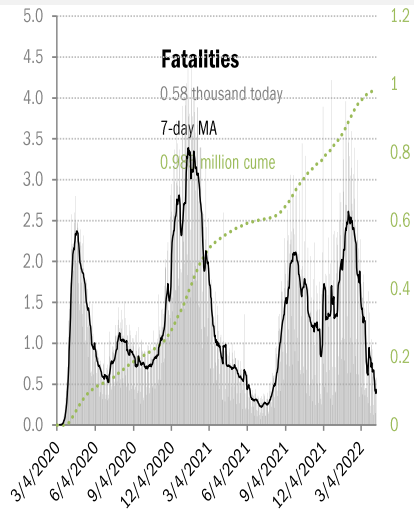
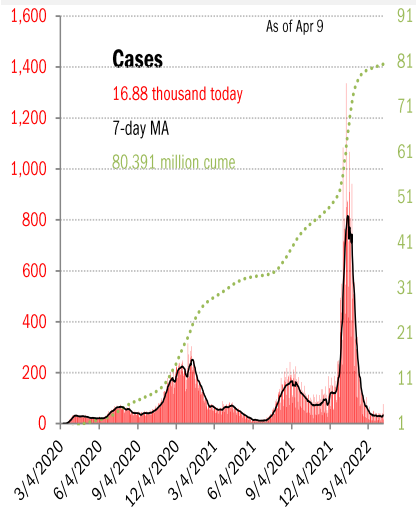
The demographics of US vaccination



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

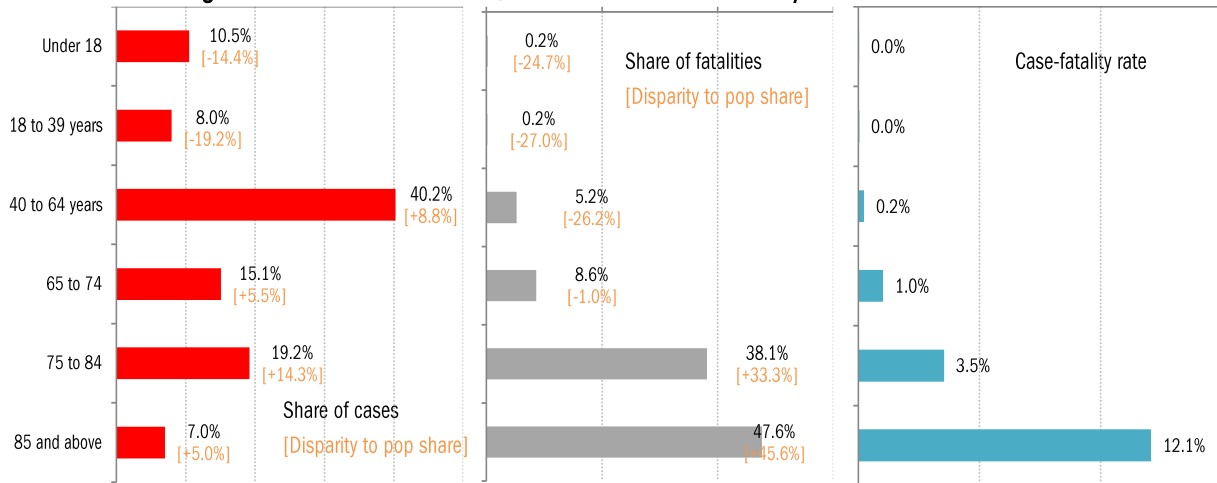
US deep-dive

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

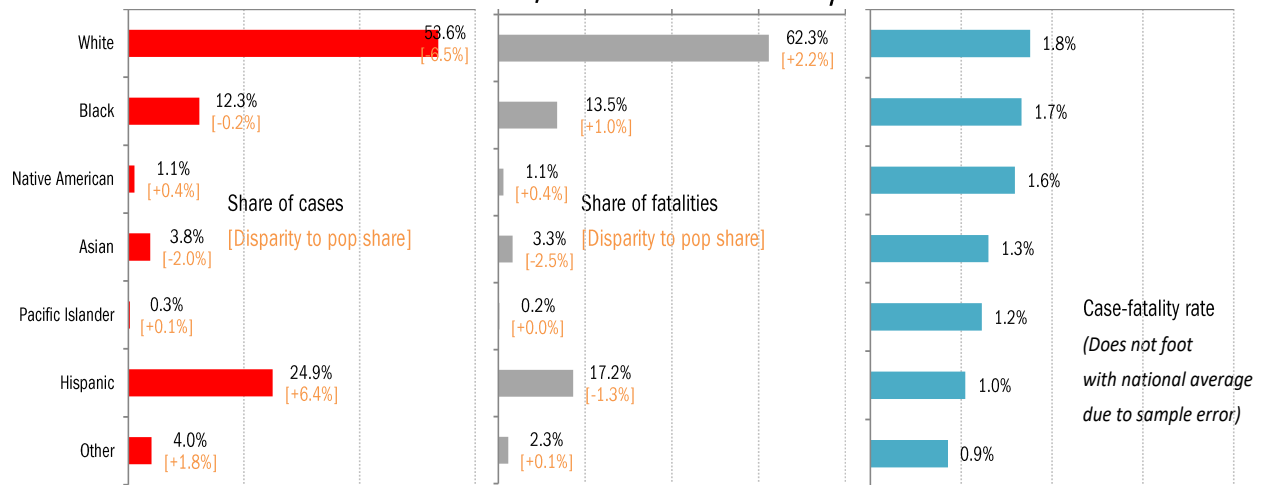


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

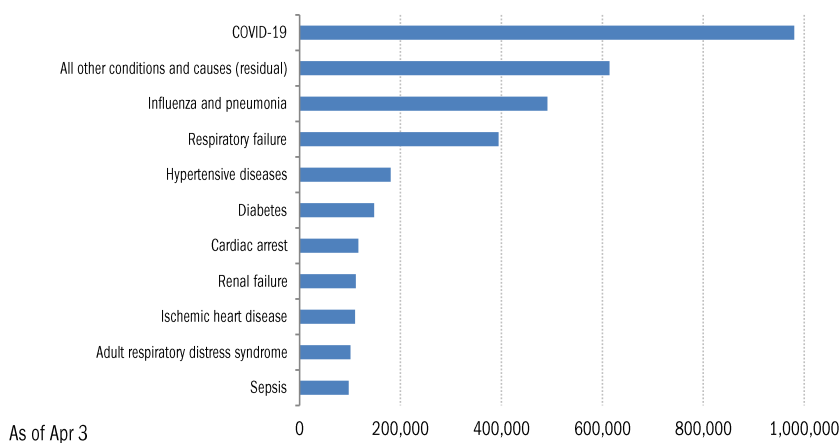


Racial distribution of US cases, fatalities and case-fatality rates



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 per death.

Recommended reading

[Press Briefing by Press Secretary Jen Psaki, April 7, 2022](#)

The White House
April 7, 2022

[Avian flu increases 36% in a week; Missouri adds three cases](#)

Joe Mueller
Center Square
April 8, 2022

[Doctor Crashes FDA Meeting And Shares the Whistleblower Story They Ignored](#)

Debra Heine
American Greatness
April 8, 2022

[Calif. Sent Pandemic Food Stamps to Affluent Families](#)

Susan Crabtree
RealClear Politics
April 7, 2022

[India's COVID-19 vaccine prices cut as booster program is extended](#)

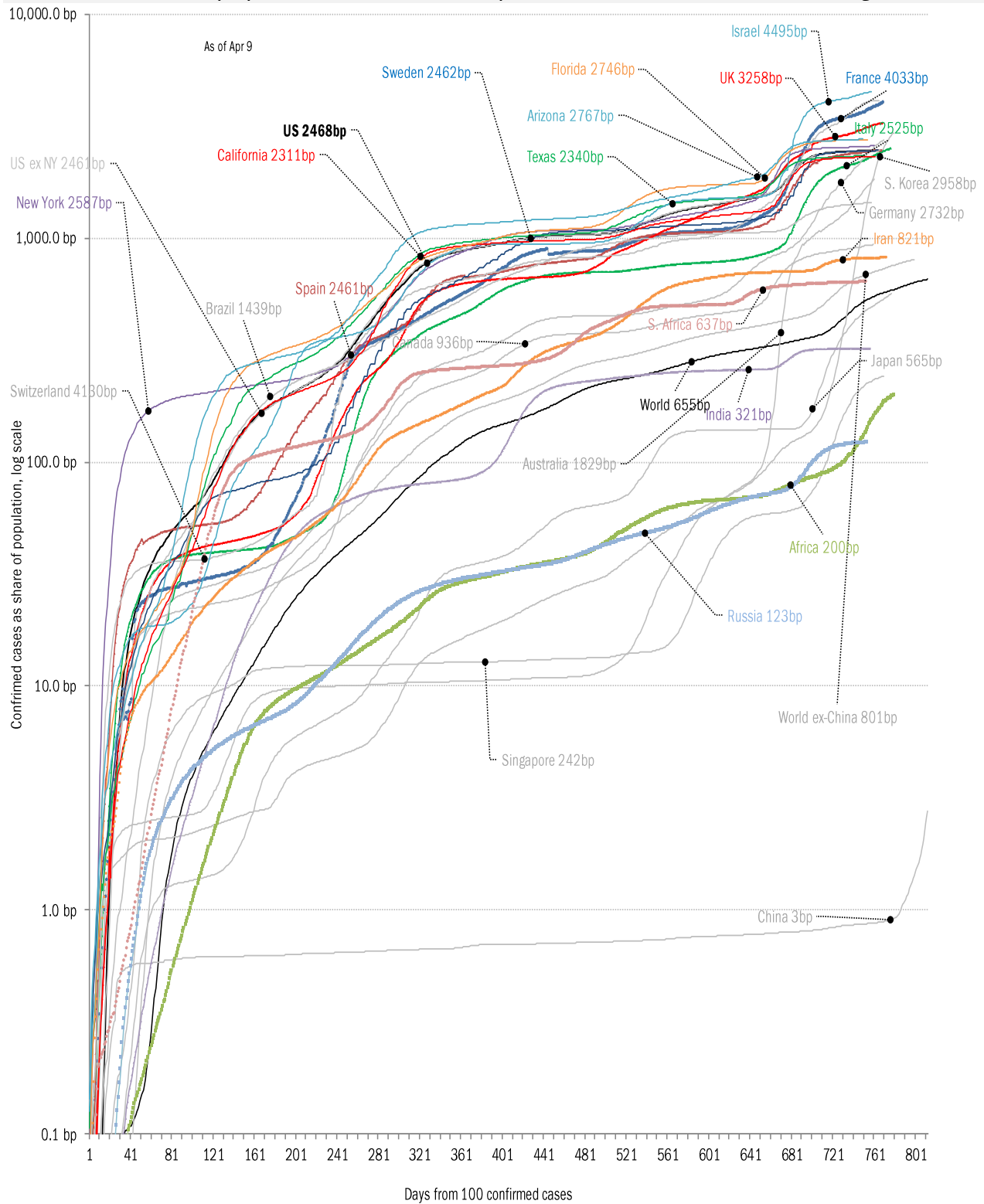
Rajendra Jadhav
Reuters
April 9, 2022

Meme of the day



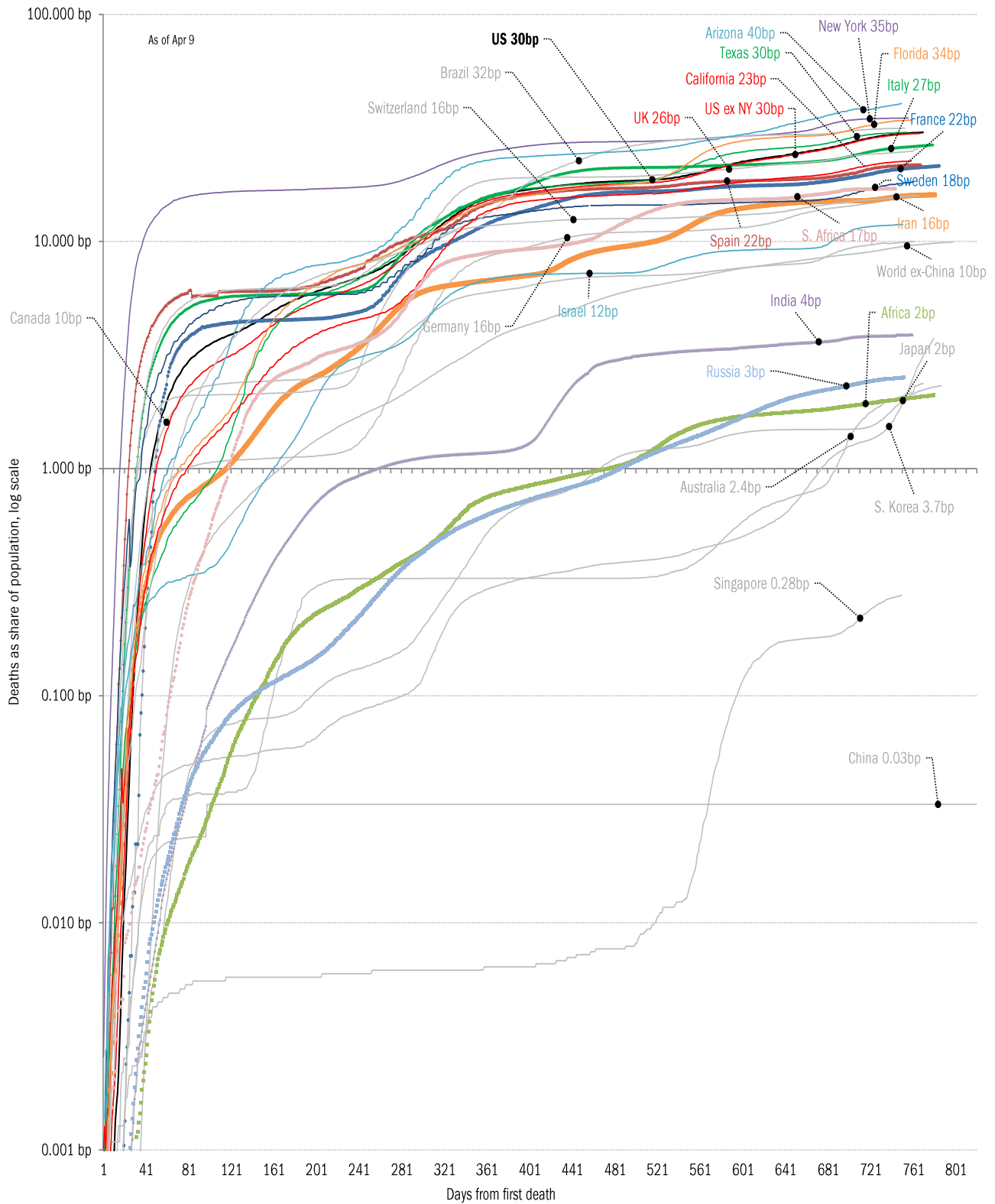
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

The 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 coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale

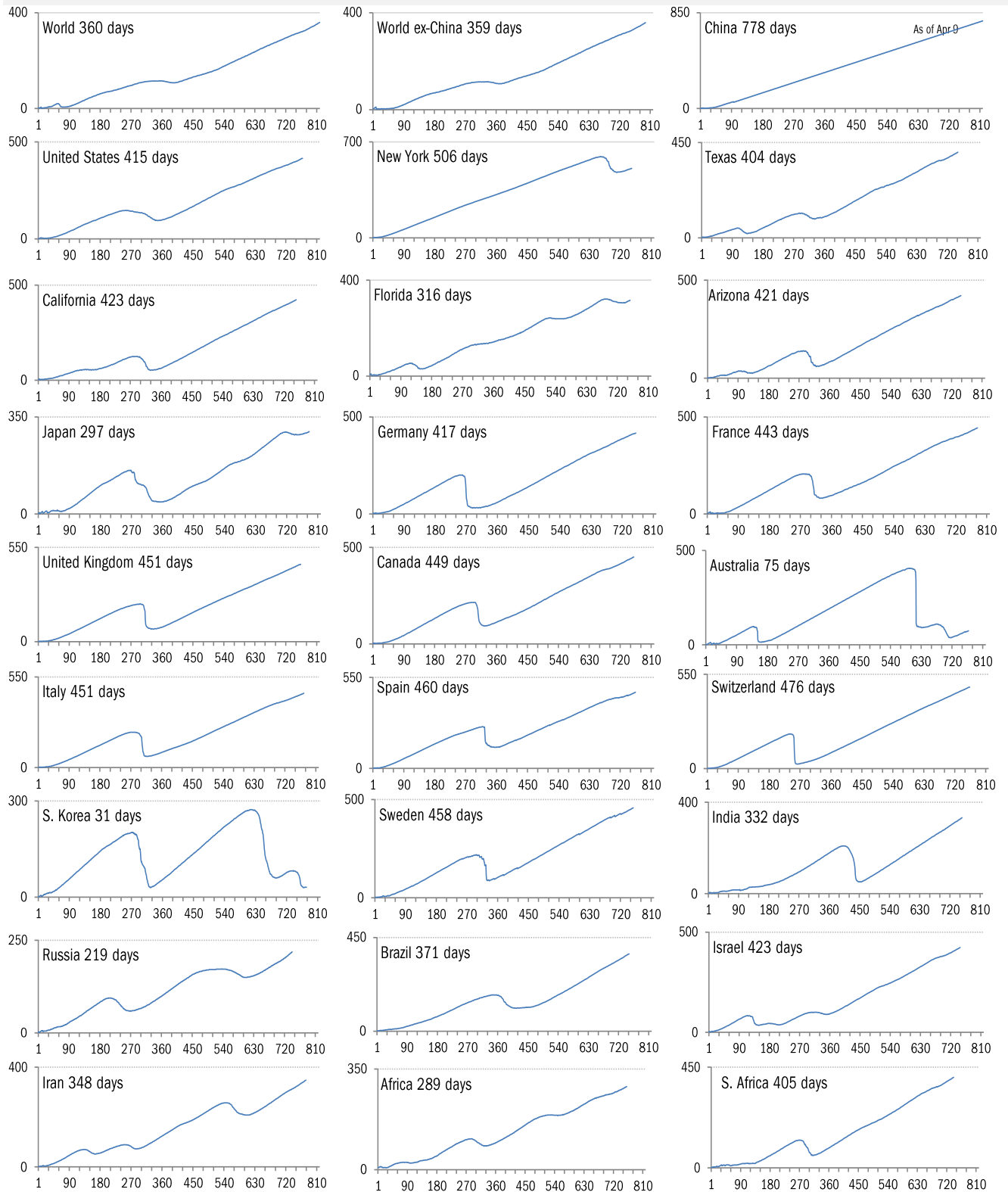


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? 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

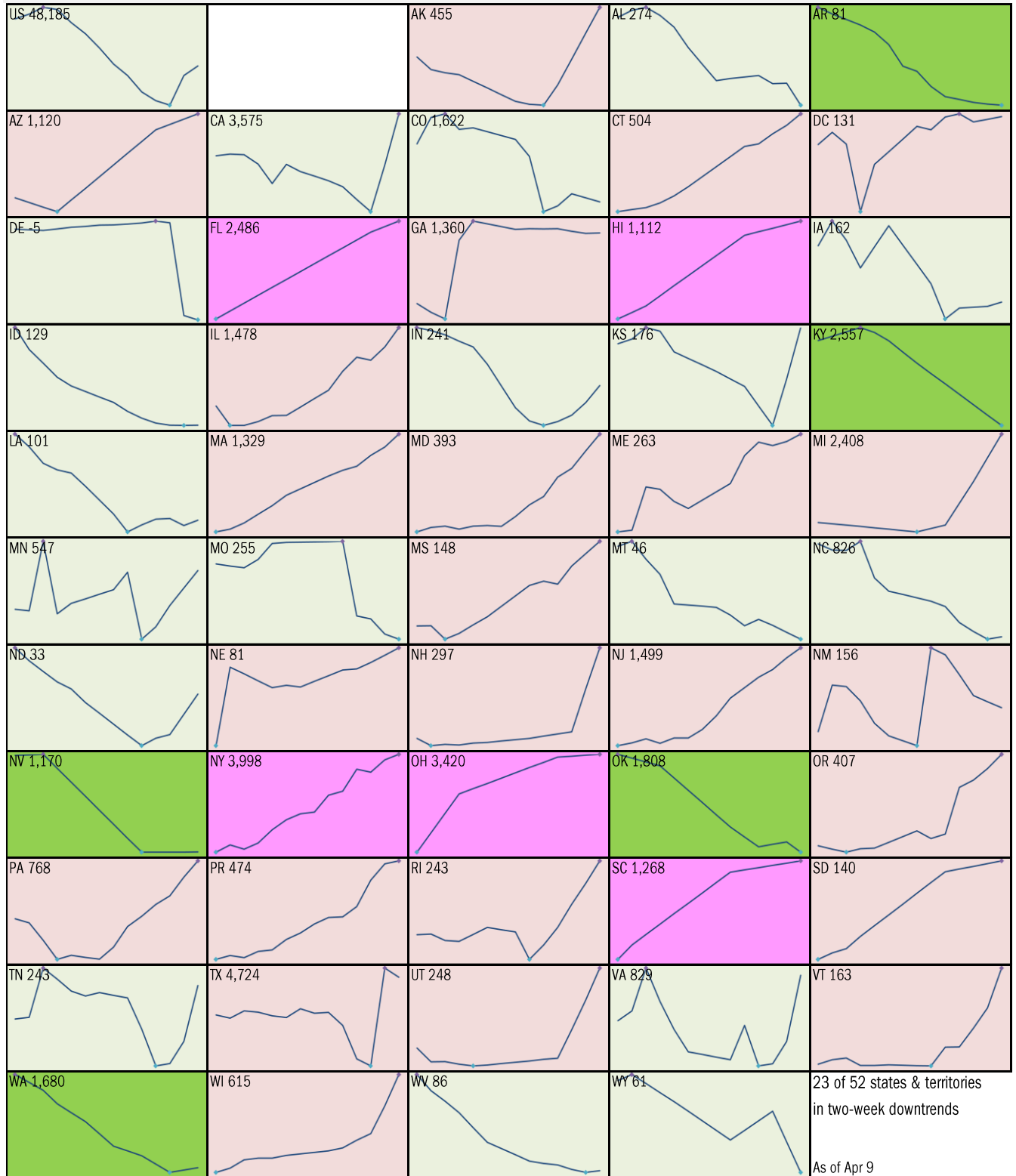


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

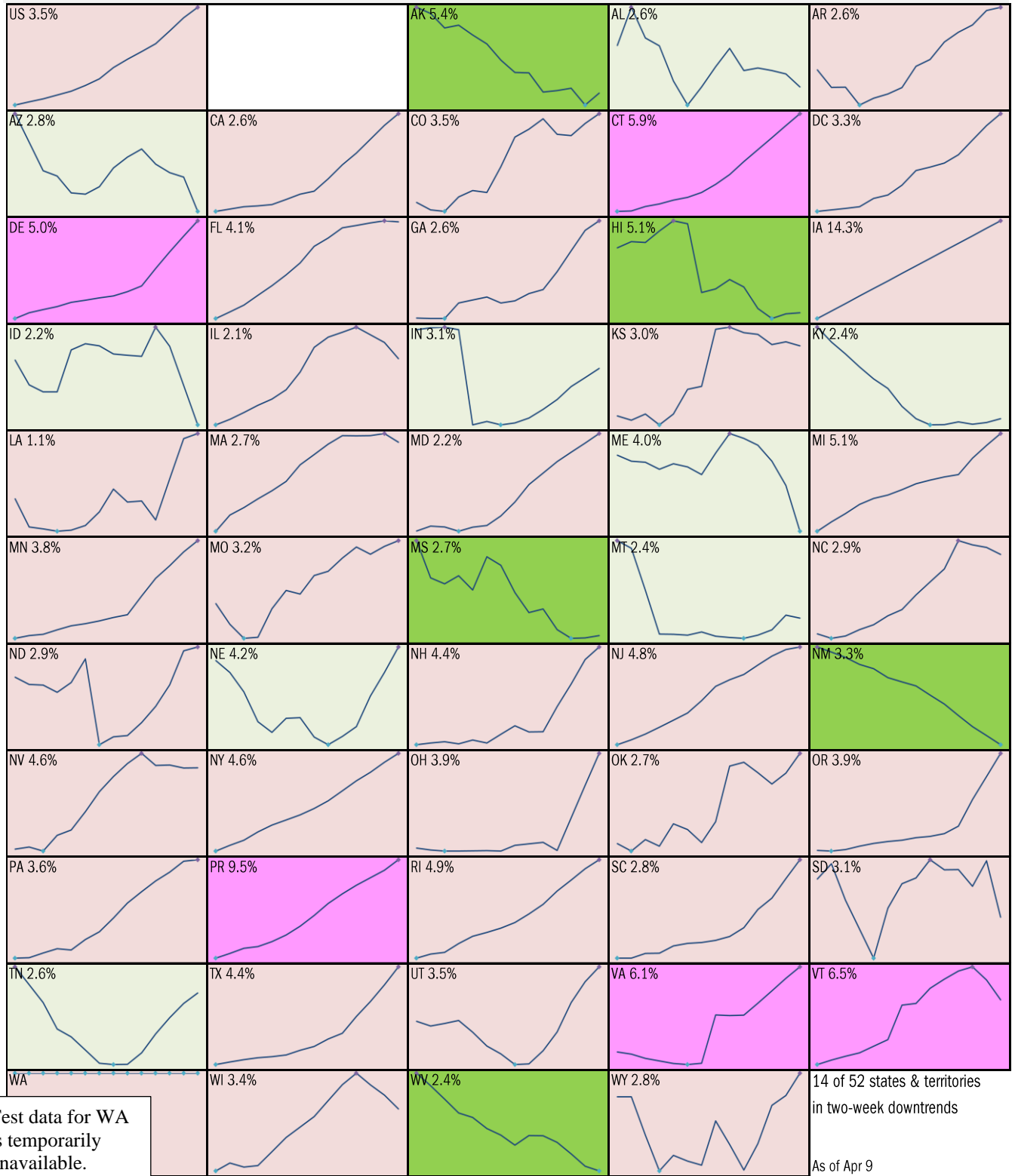


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

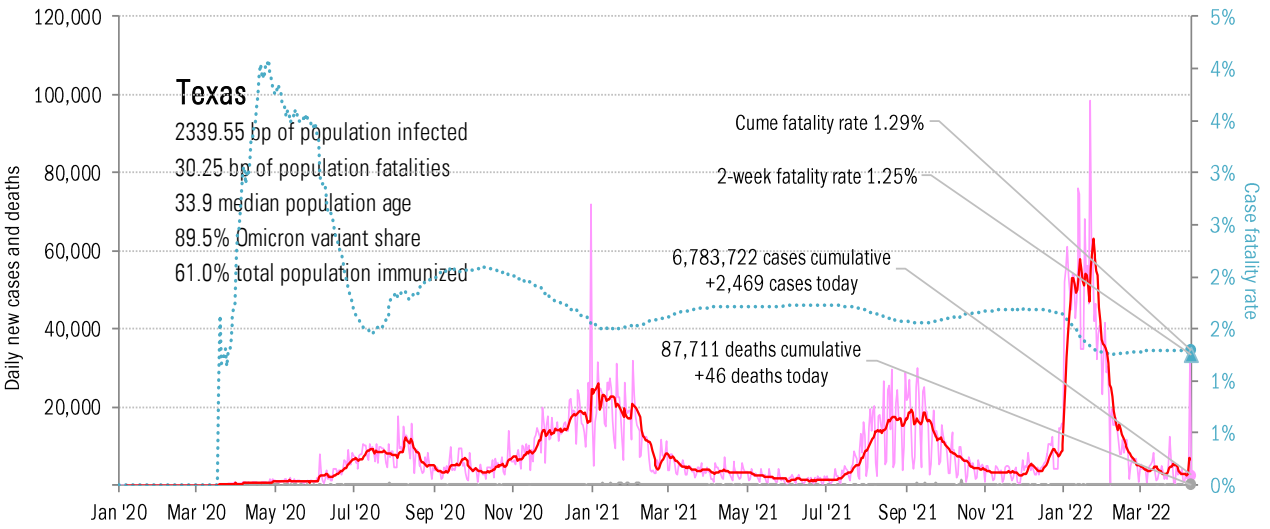
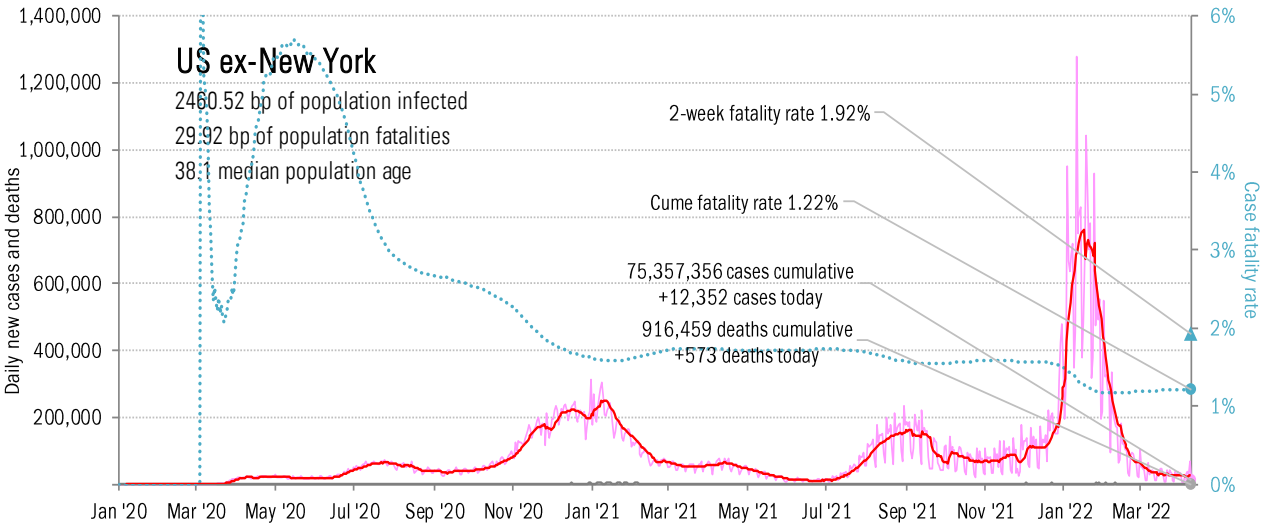
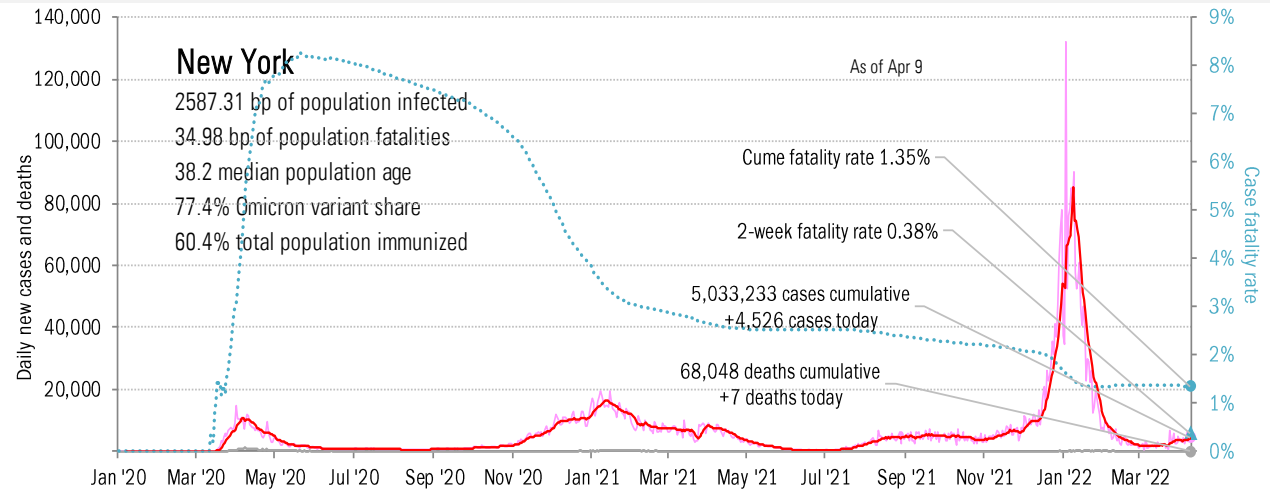
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

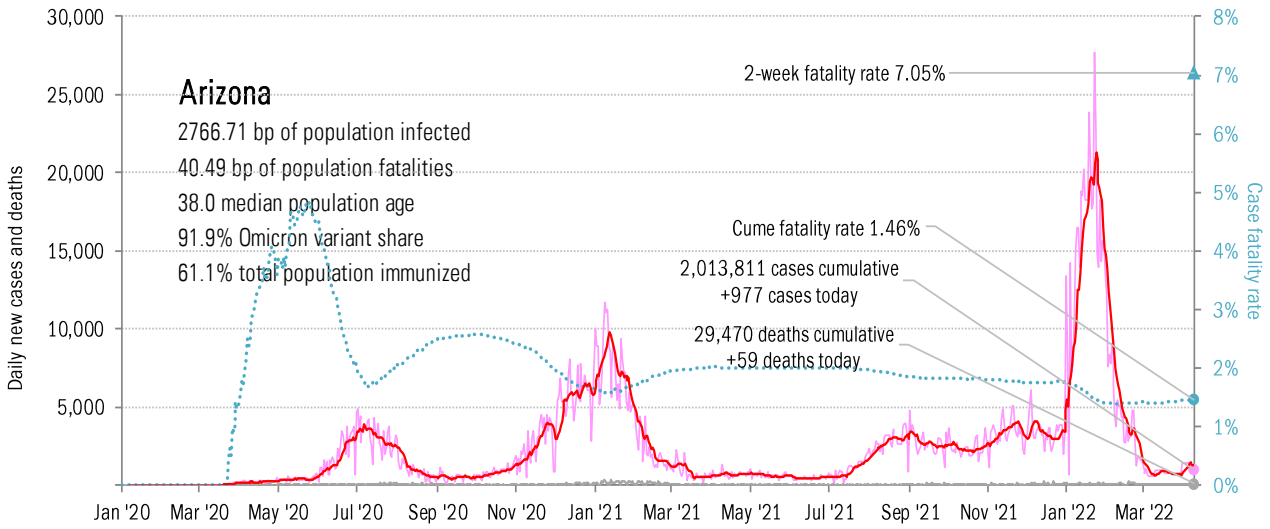
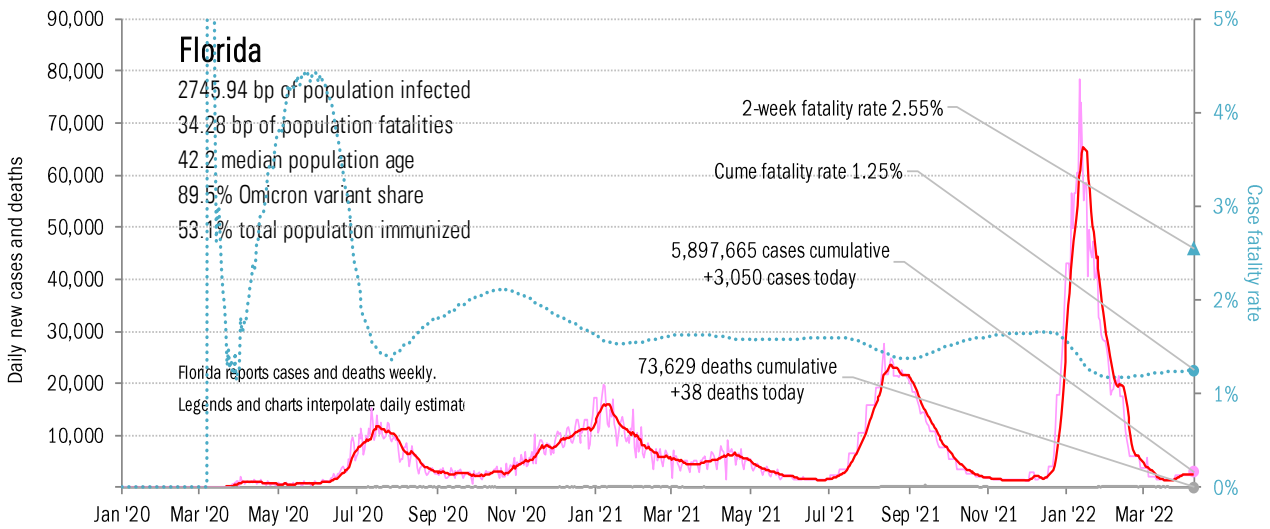
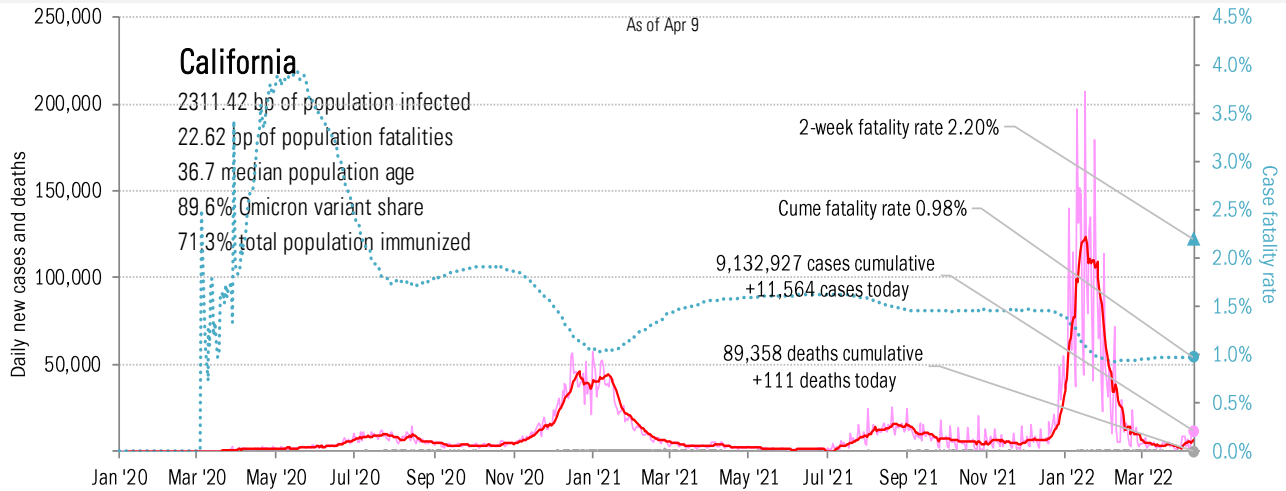
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

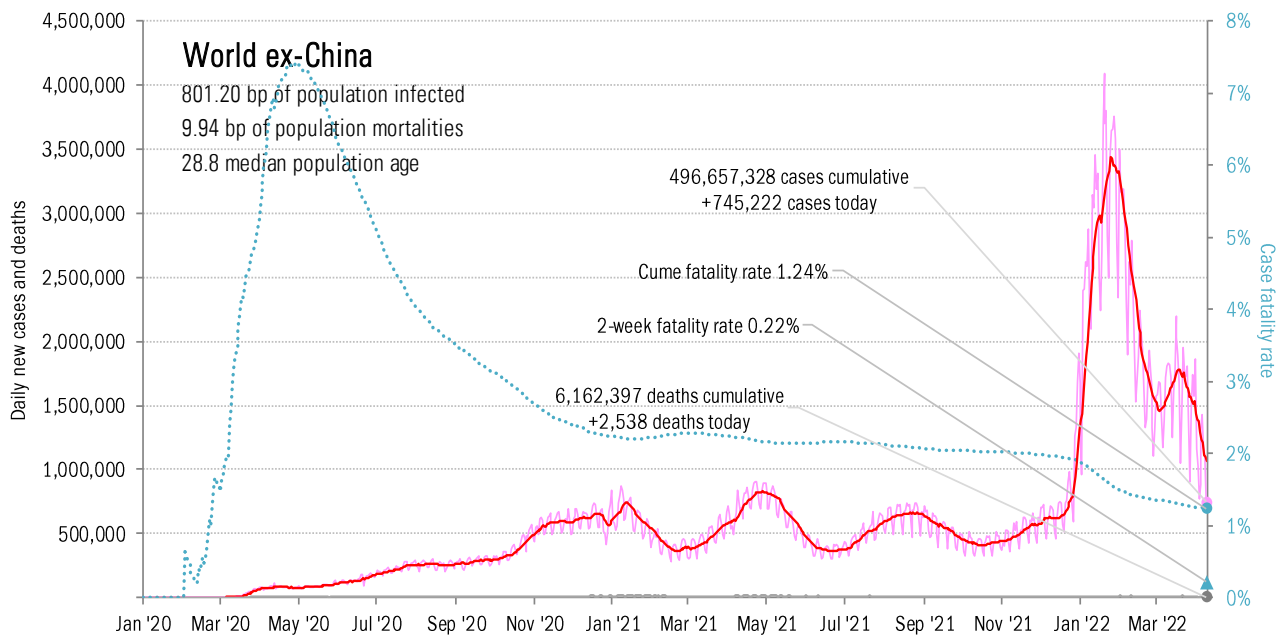
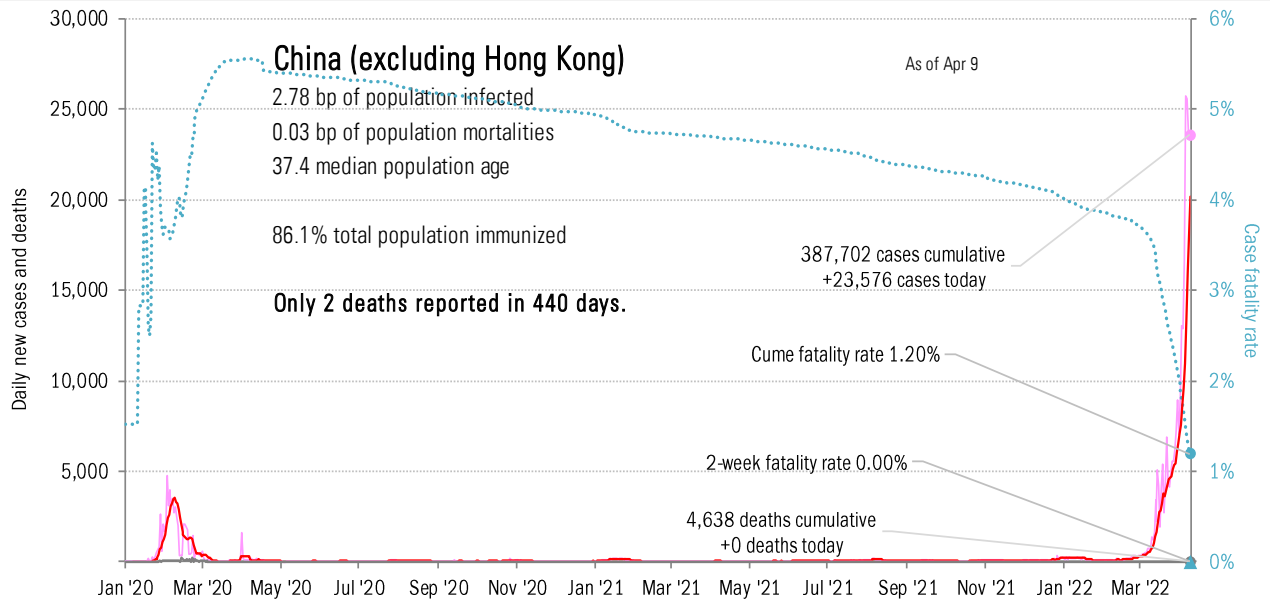
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

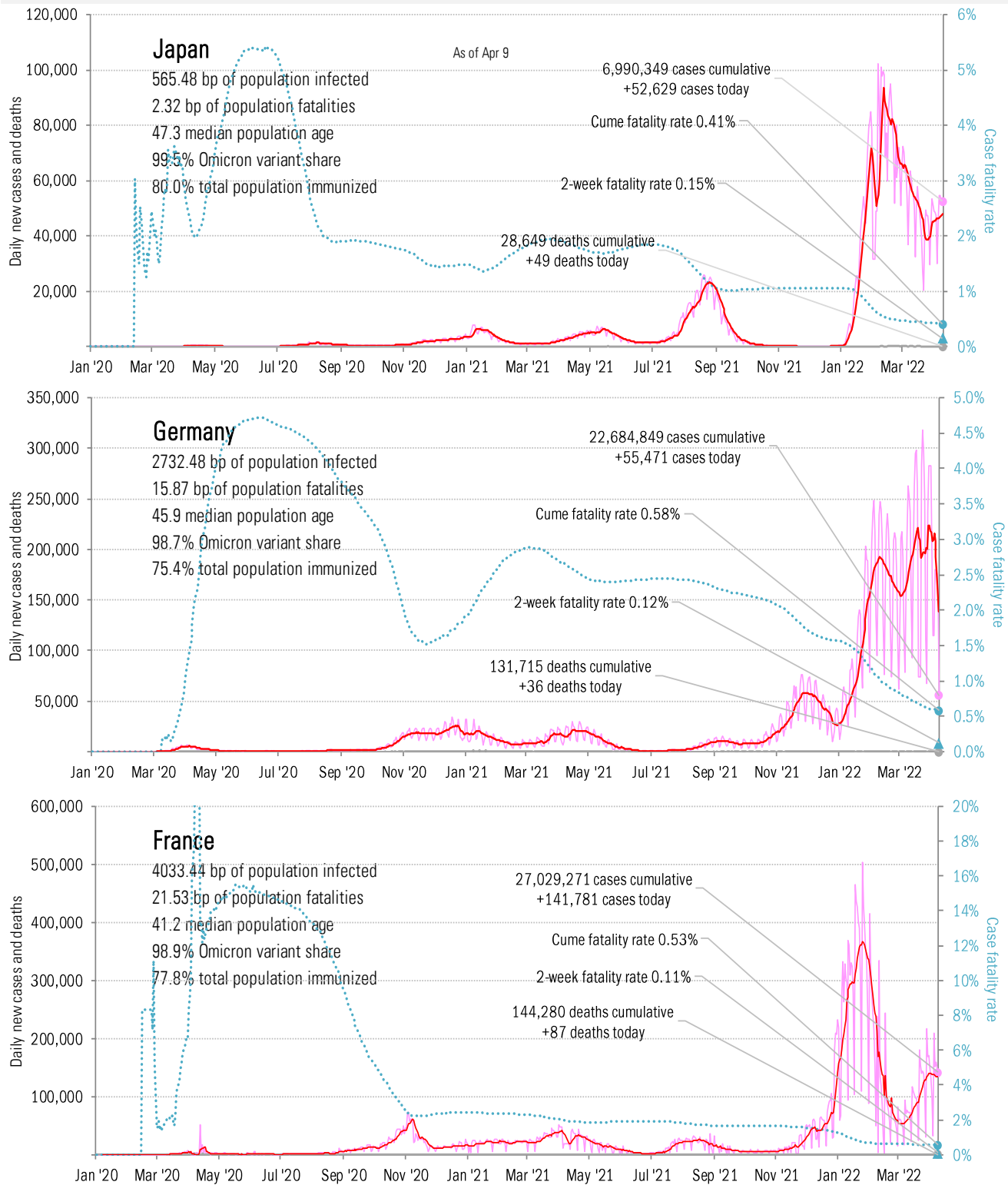
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

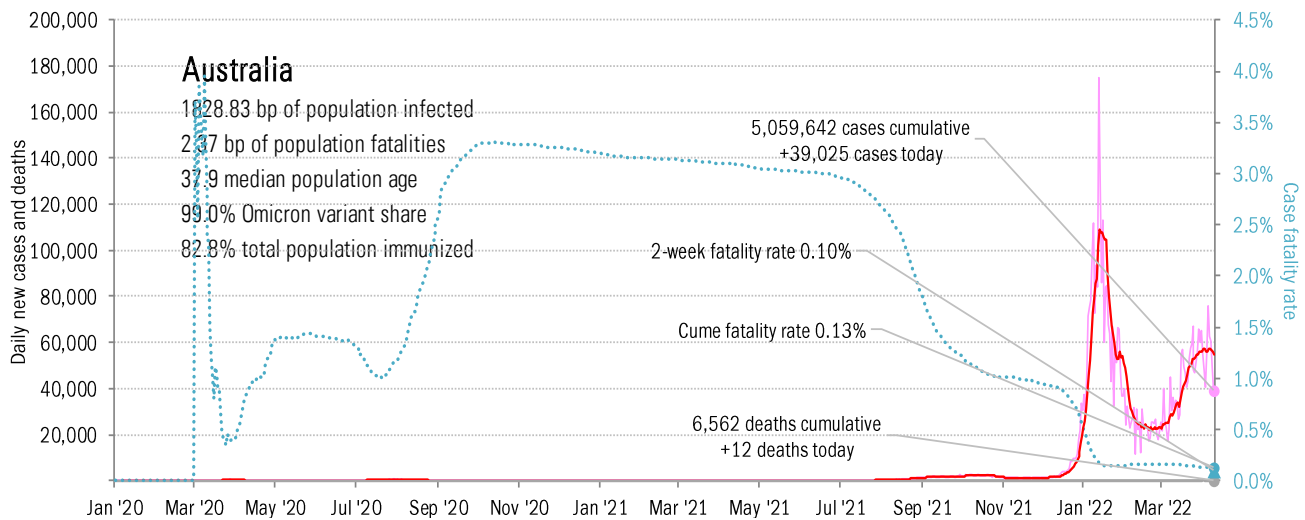
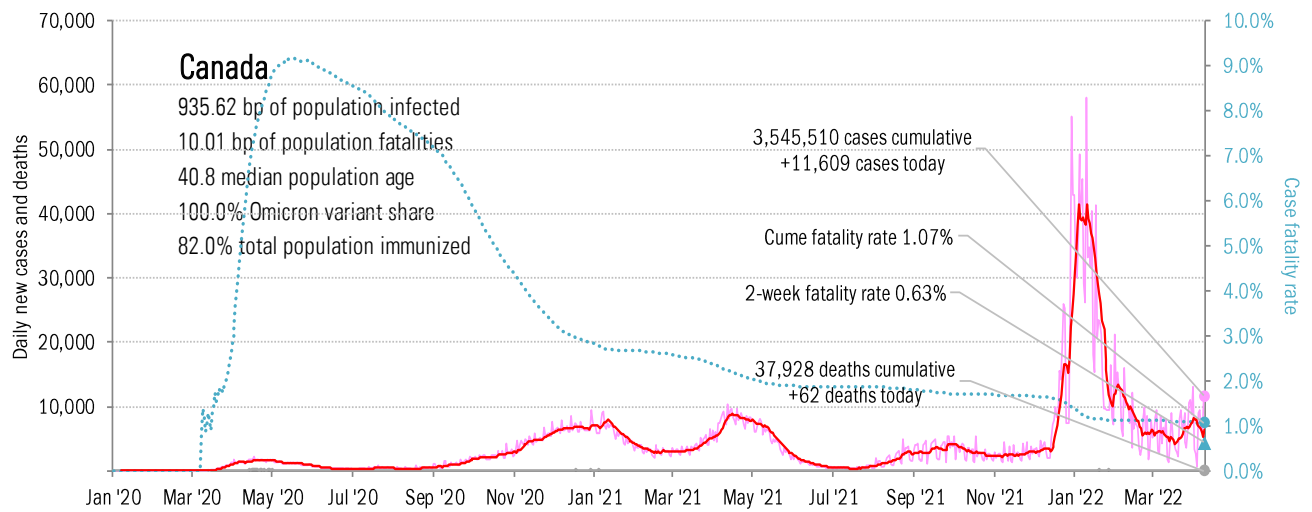
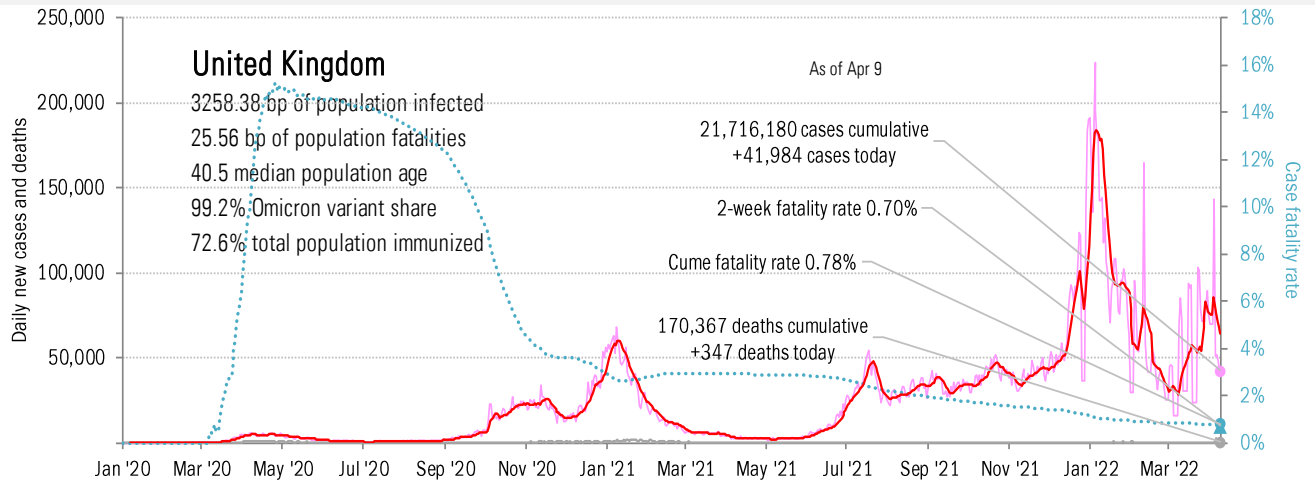
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

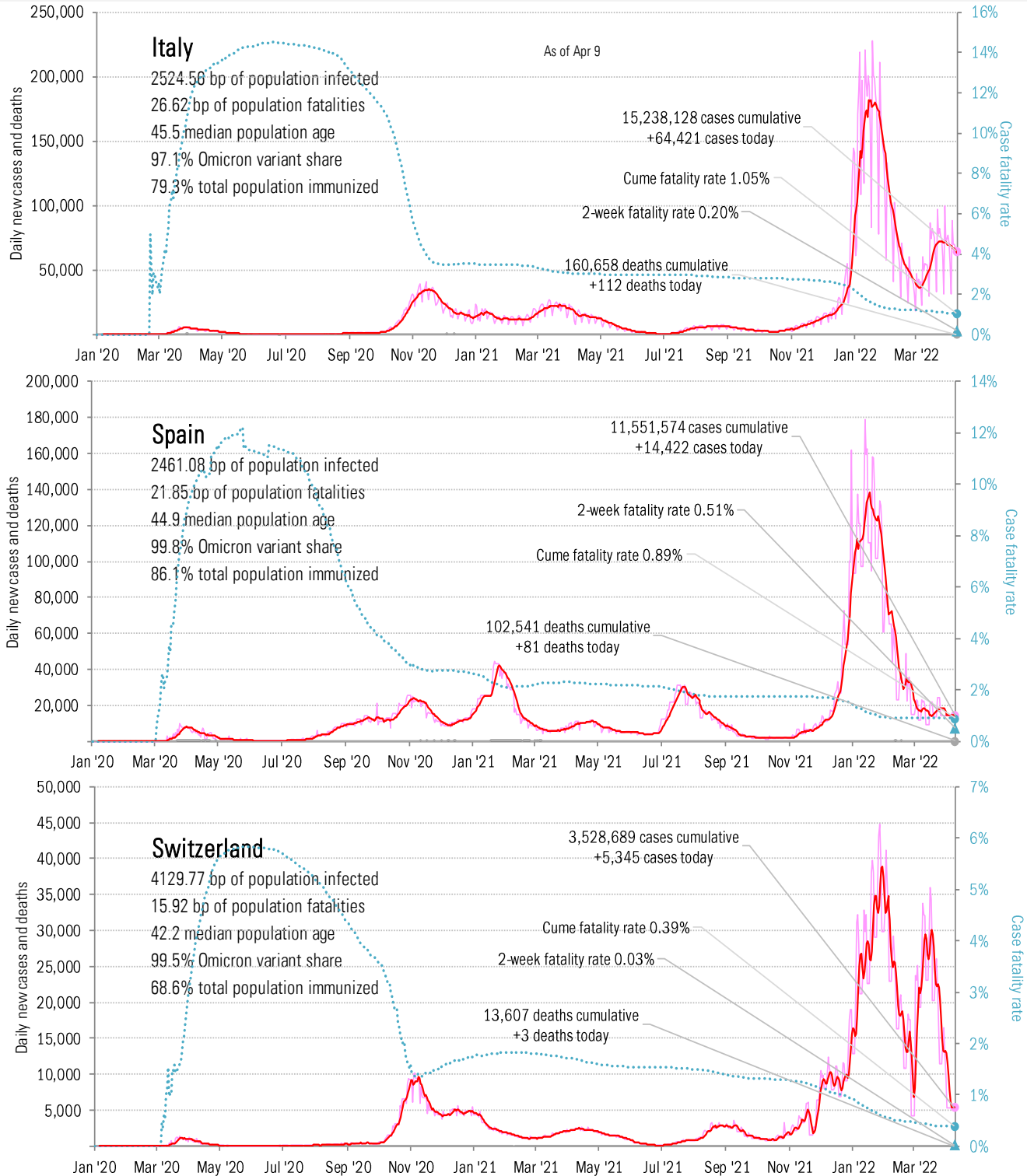
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

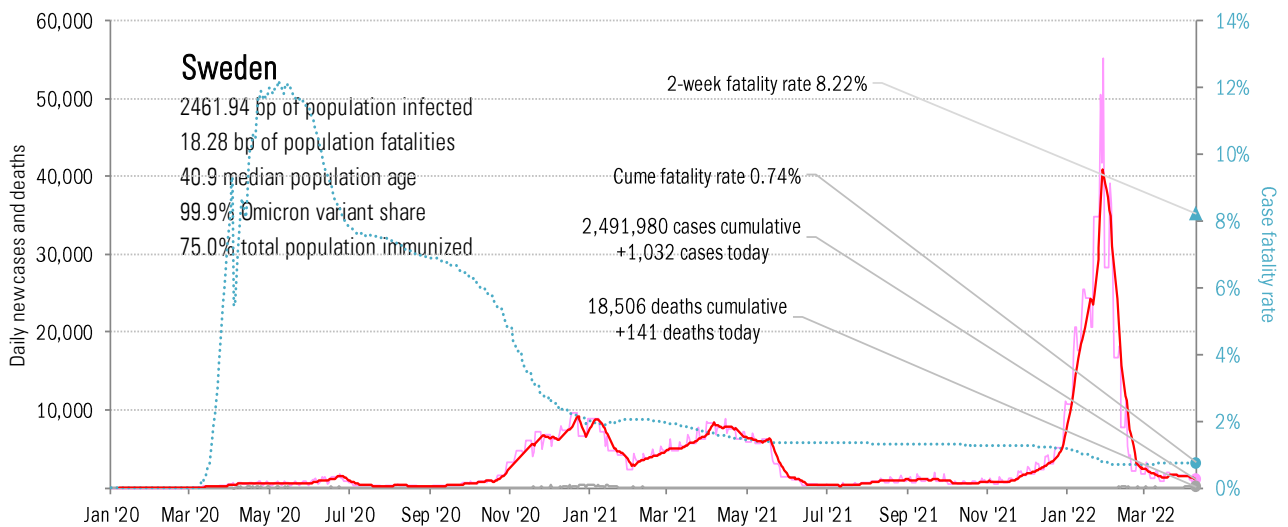
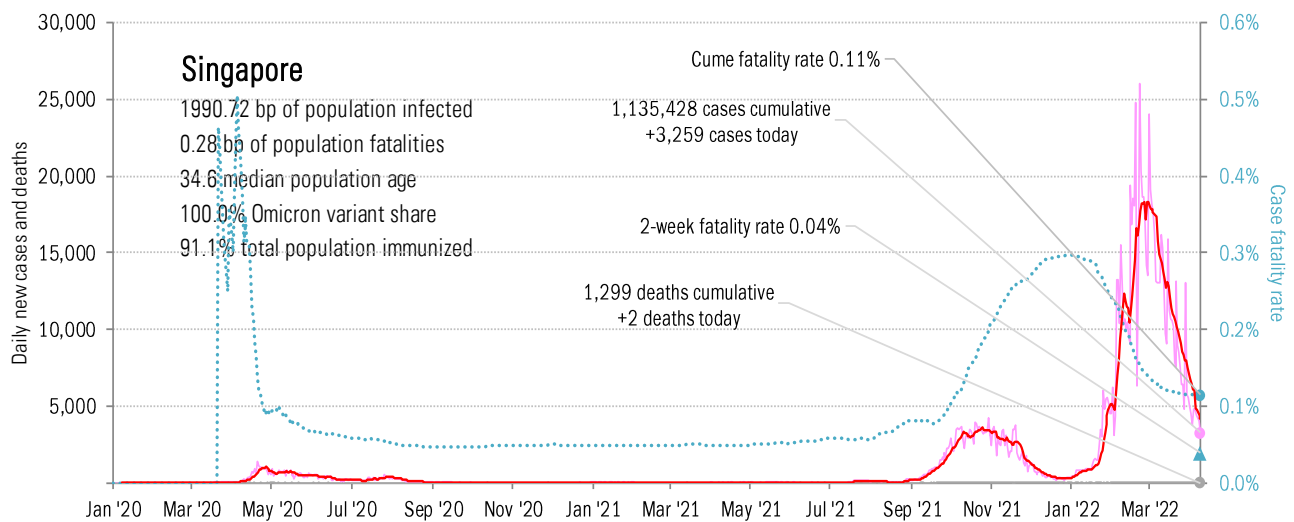
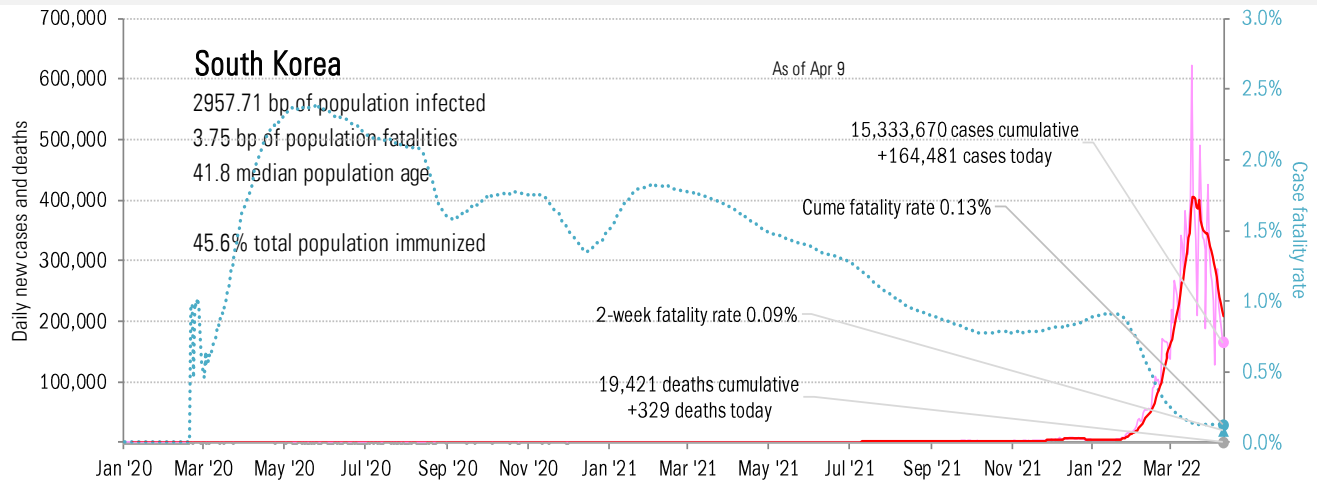
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

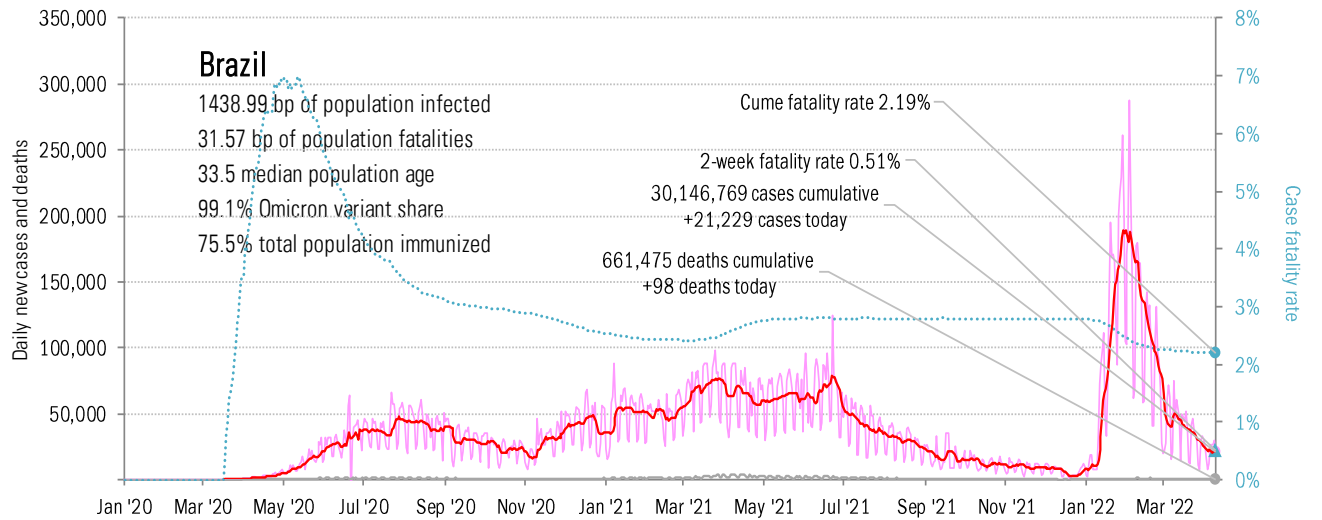
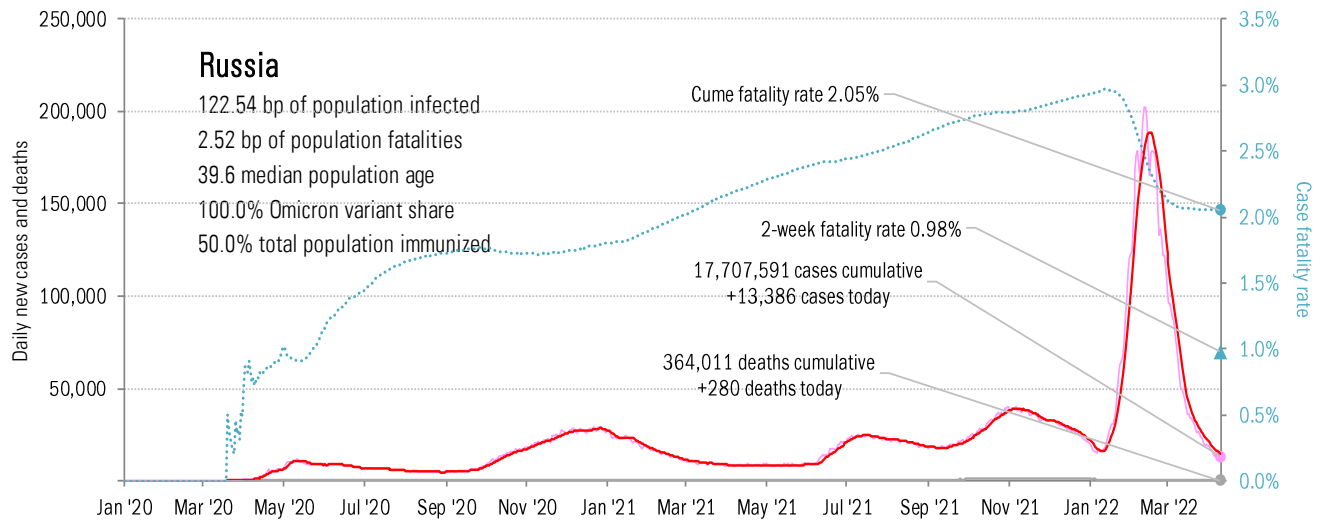
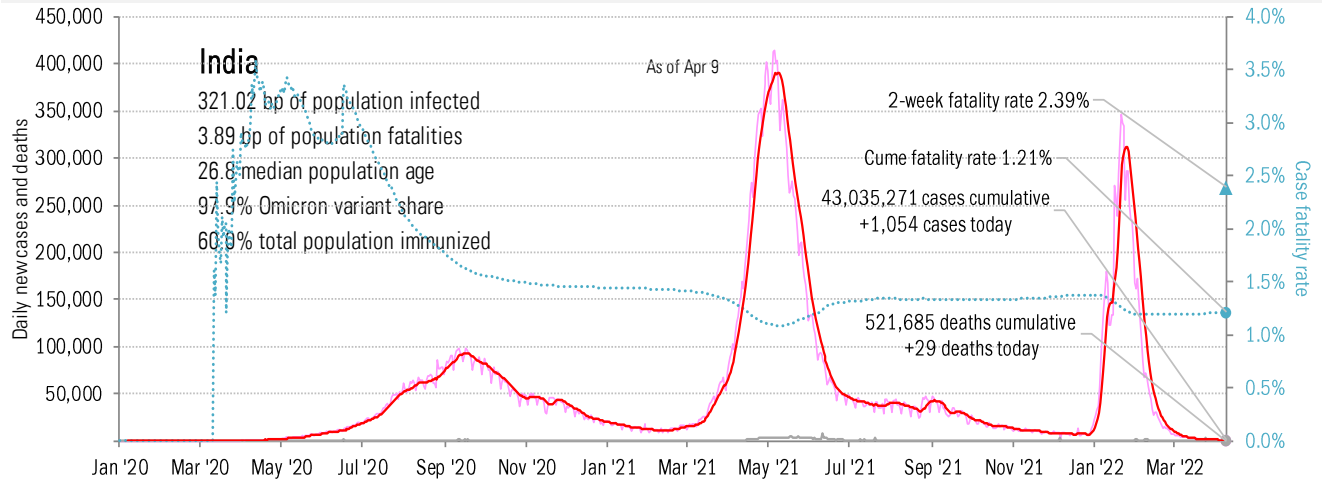
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

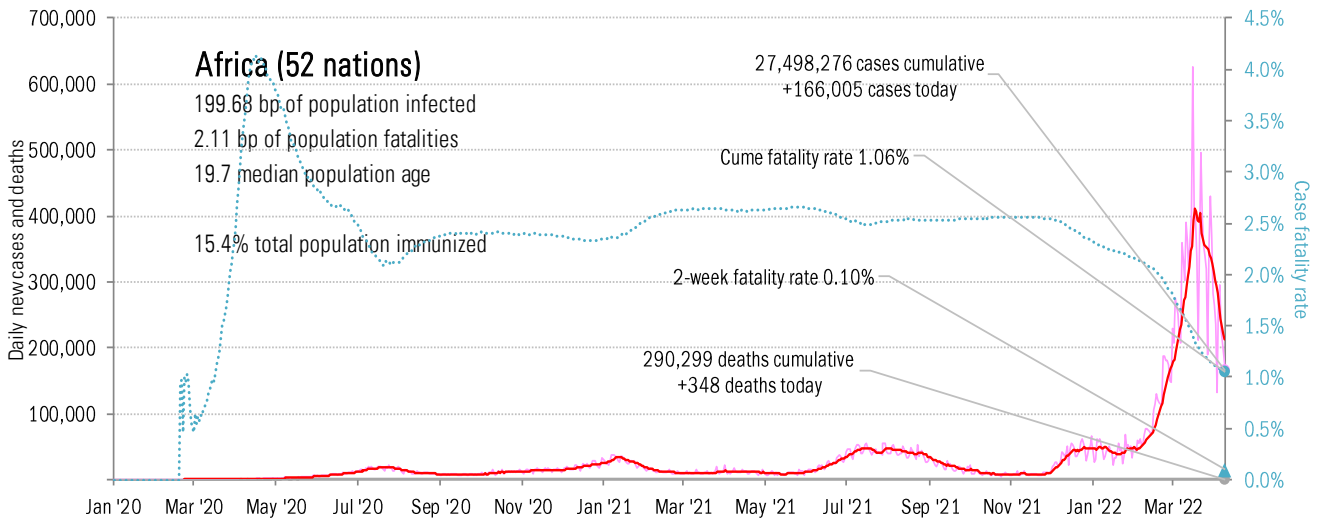
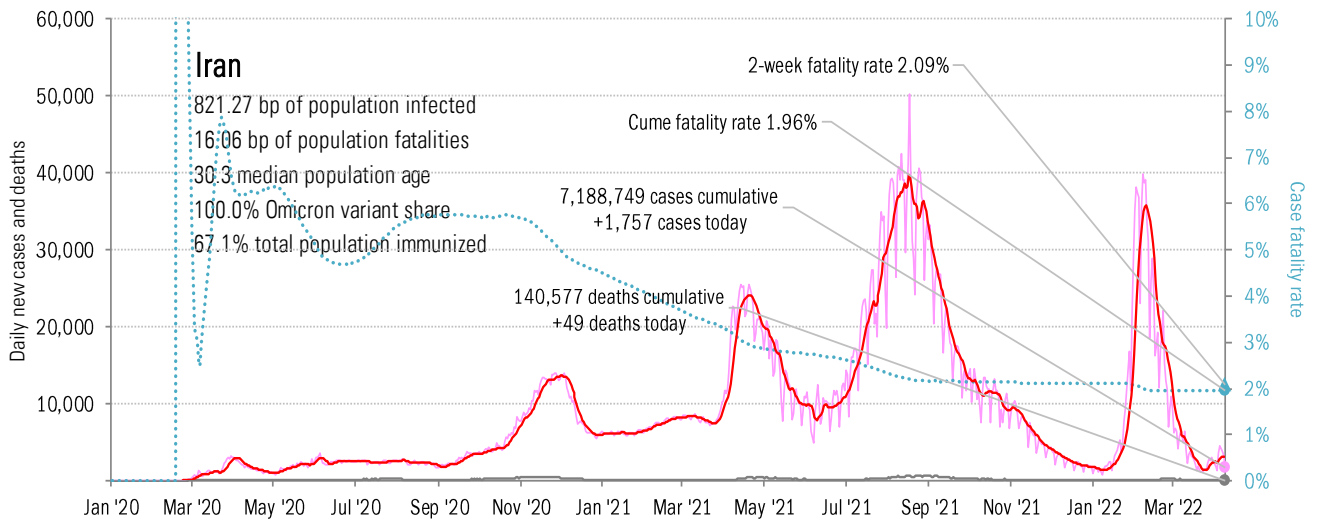
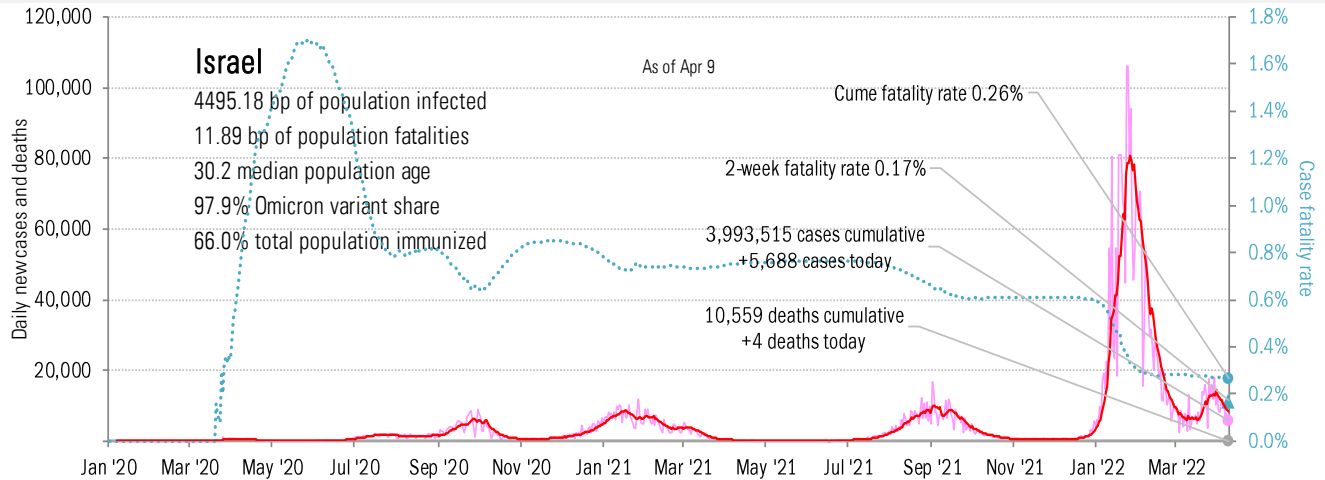
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

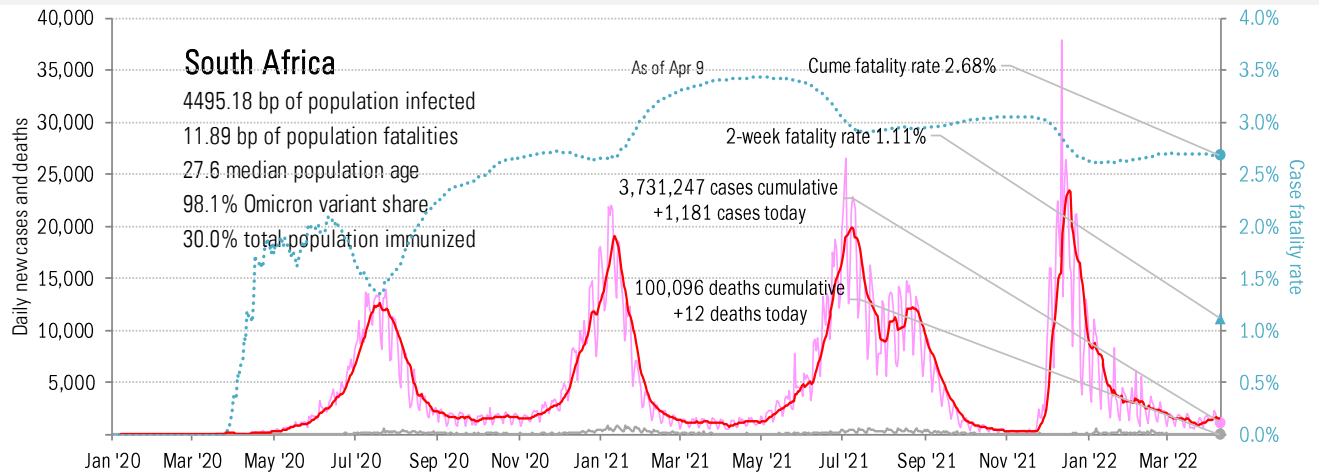
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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