

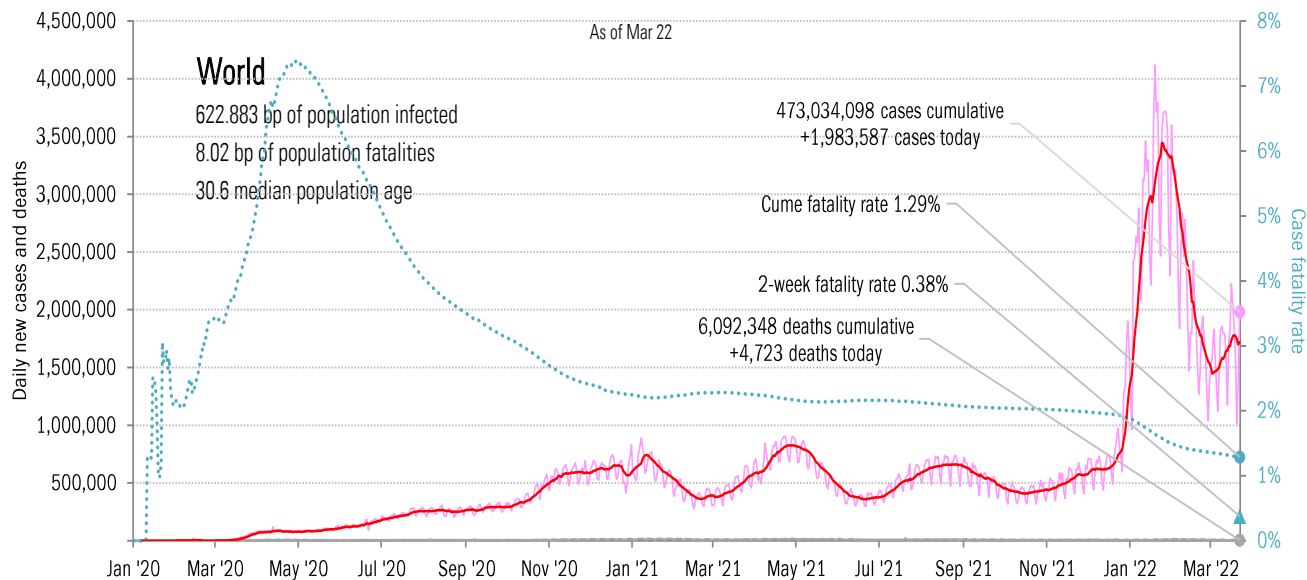
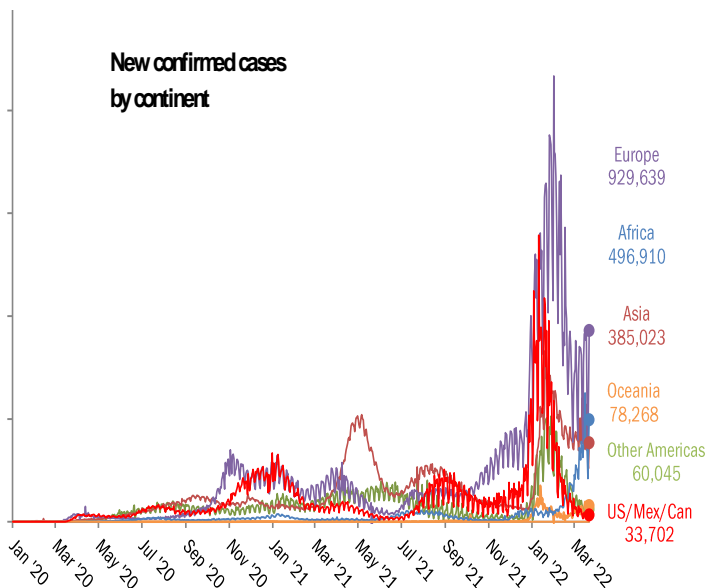
Data Insights: Covid-2019 Monitor

Wednesday, March 23, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	490,707	United States	604
Vietnam	249,153	Russia	459
Germany	248,722	Brazil	410
France	181,185	Spain	350
Italy	96,904	Korea, South	291
United Kingdom	95,670	Germany	281
Australia	57,556	United Kingdom	250
Spain	54,147	Italy	197
Brazil	41,559	Indonesia	170
Netherlands	40,558	France	134
1,556,161		3,146	
World	1,983,587	World	4,723
Top ten	78%	Top ten	67%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

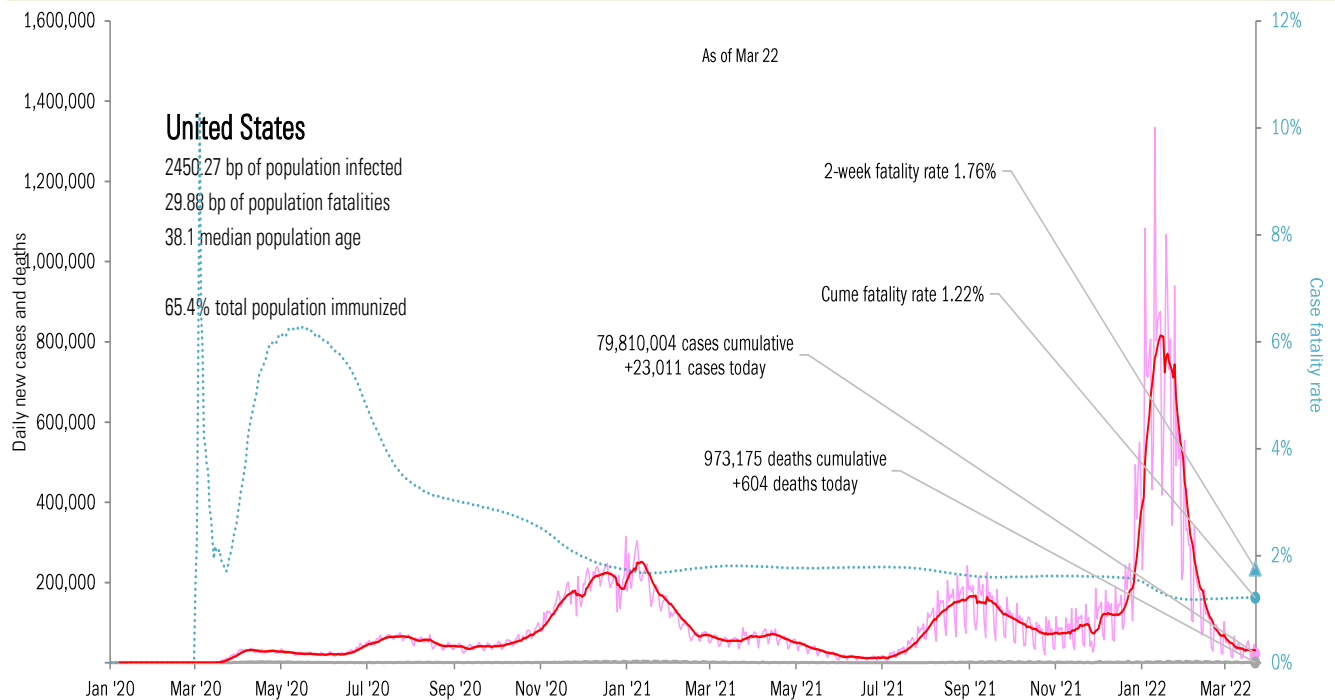
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	5,379		SC	113		MA	38		CA	9,076,298		CA	88,251		TX	485,441		DE	116%	DE	122%
CO	3,721		FL	110		MN	36		TX	6,698,424		TX	86,987		CA	420,873		RI	86%	KY	83%
NY	1,603		TX	59		CK	40		FL	5,874,824		FL	72,790		FL	412,385		MN	84%	TX	83%
IL	1,442		AL	46		CT	25		NY	4,966,567		NY	67,842		NY	243,833		WV	82%	AL	81%
SC	1,376		IL	44		ME	13		IL	3,057,078		PA	44,091		GA	206,131		MA	82%	NM	81%
CA	1,292		CA	42		SD	6		PA	2,775,728		CH	37,608		CH	189,625		PA	81%	AK	80%
MN	1,024		PA	41		CO	21		CH	2,666,030		GA	36,615		PA	175,004		WA	81%	MS	80%
NJ	859		GA	39		VT	5		NC	2,620,191		IL	35,693		IL	155,839		GA	81%	VT	78%
NC	819		UT	38		AK	5		GA	2,483,910		MI	35,425		MI	140,100		MO	80%	RI	78%
MA	814		WI	38		AS	1		MI	2,380,155		NJ	33,186		KY	132,263		NH	80%	PA	77%
18,329			570			190			42,599,205			538,488			2,561,494						
All states	23,011		604			1,571			All states	79,810,004		973,175			4,651,403			All states	70%	67%	
Top ten	80%		94%			12%			Top ten	53%		55%			55%			Median	74%	72%	

Some states not reporting

Five most improved US states

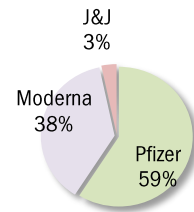
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
KY	-8,639	CO	-458	TX	-75	DE	+10 bp
CA	-8,077	KY	-279	CA	-72	NE	+10 bp
FL	-6,561	TX	-215	NC	-54	NM	+10 bp
MO	-3,086	CA	-143	IL	-45	CR	+10 bp
VA	-1,774	VA	-54	KY	-43	RI	+10 bp



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	573,670,978		+0.014 million	US	65.4%	76.8%
Boosters	98,040,973		+0.051 million	UK	72.3%	77.3%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,580,686	79%	223,345,101	67%	+0.009 million	France 77.8% 80.1%
Age 12 to 17	17,484,253	69%	14,914,413	59%	+0.001 million	Spain 85.5% 88.0%
Age 18 to 64	176,925,608	87%	150,085,277	74%	+0.001 million	Germany 75.2% 75.8%
Age 65 and over	58,245,651	100%	50,452,220	92%	+0.000 million	Italy 79.1% 84.0%
						Australia 81.3% 86.0%
						Israel 65.9% 72.1%
						Canada 81.7% 85.8%
						Japan 79.7% 81.0%
						Africa 14.9% 20.1%
						India 58.9% 69.8%
						Brazil 74.4% 84.3%
						China 85.8% 88.1%



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

AK	69.1%
	61.5%

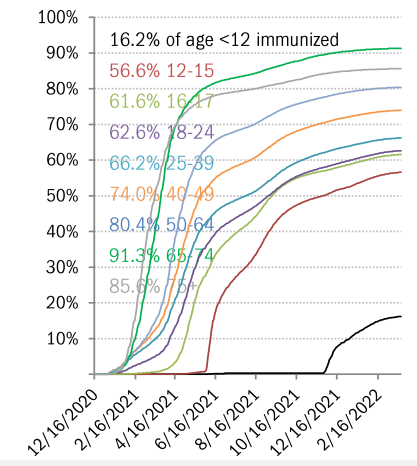
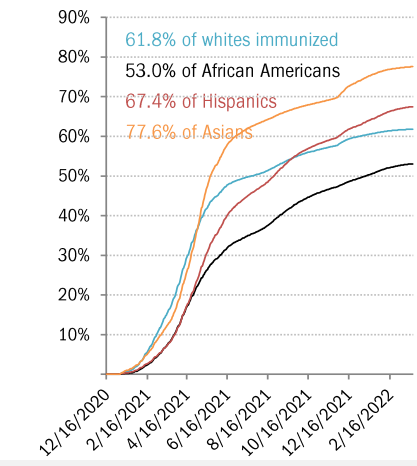
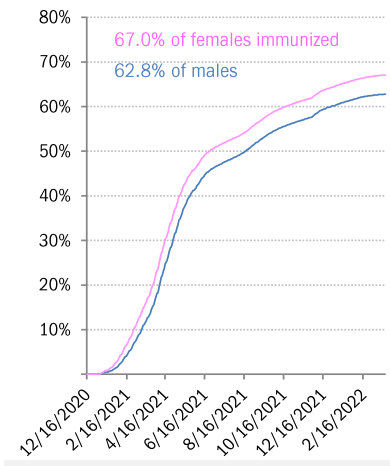
US	65.4%	76.8%
UK	72.3%	77.3%
France	77.8%	80.1%
Spain	85.5%	88.0%
Germany	75.2%	75.8%
Italy	79.1%	84.0%
Australia	81.3%	86.0%
Israel	65.9%	72.1%
Canada	81.7%	85.8%
Japan	79.7%	81.0%
Africa	14.9%	20.1%
India	58.9%	69.8%
Brazil	74.4%	84.3%
China	85.8%	88.1%

Global data differs due to sources, timing

As of Mar 22

					WI					ME
					71.3%					89.3%
					65.0%					78.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.2%	60.6%	64.7%	64.6%	74.6%	76.3%	66.5%		89.4%	92.6%	86.4%
71.9%	53.5%	56.3%	54.6%	68.6%	68.0%	59.6%		76.0%	80.4%	67.1%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.3%	74.5%	58.3%	75.4%	67.5%	61.0%	63.1%	83.8%	89.6%	95.0%	
69.1%	60.1%	50.9%	60.3%	61.4%	54.4%	57.9%	67.4%	74.8%	78.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.4%	71.5%	78.7%	69.7%	65.7%	65.6%	64.5%	84.9%	85.4%	94.4%	95.0%
71.0%	63.6%	69.6%	62.9%	55.5%	56.9%	57.1%	72.4%	74.5%	78.2%	81.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.0%	86.6%	73.9%	66.1%	61.6%	82.9%	67.0%	95.0%	82.2%	
	60.6%	70.2%	60.7%	53.9%	53.9%	59.8%	56.4%	72.2%	68.2%	
			OK	LA	MS	AL	GA			
			70.4%	60.6%	59.1%	62.2%	64.8%			
			56.4%	53.0%	51.3%	50.6%	54.1%			
			TX					FL		PR
			71.8%					78.5%		95.0%
			60.6%					66.3%		82.0%

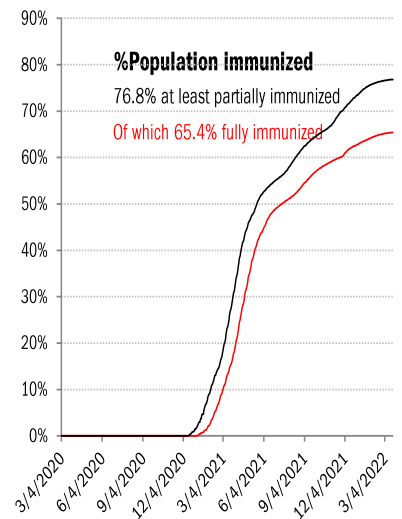
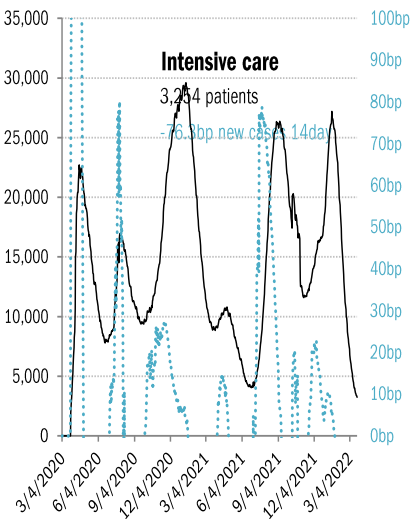
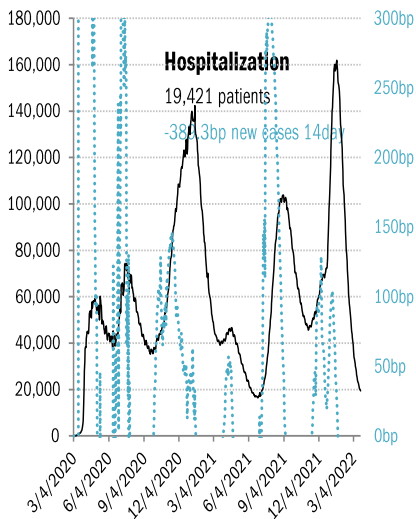
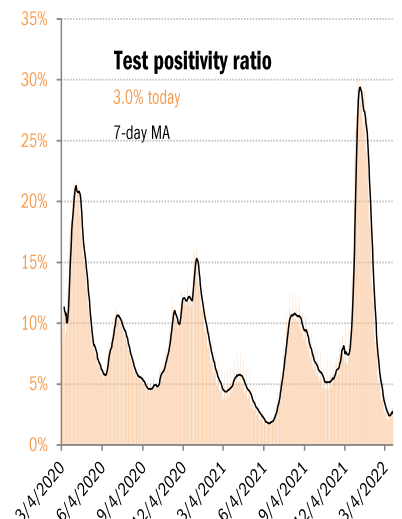
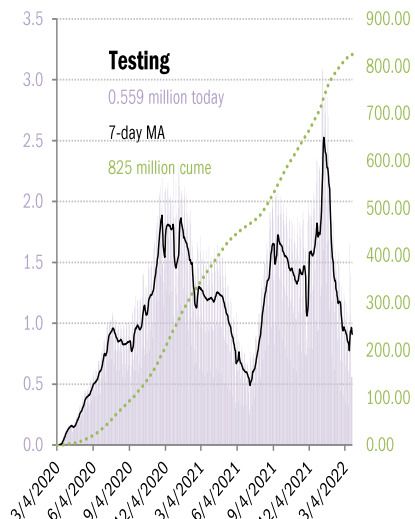
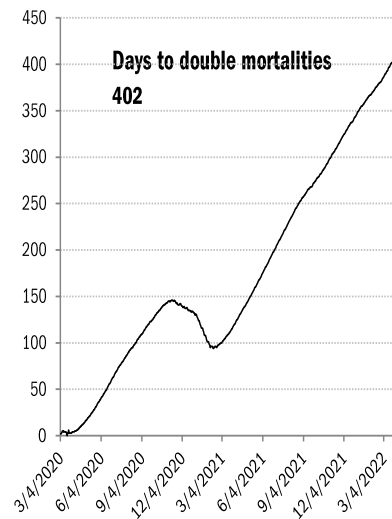
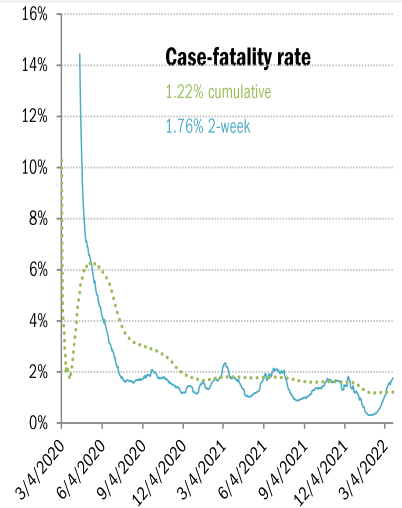
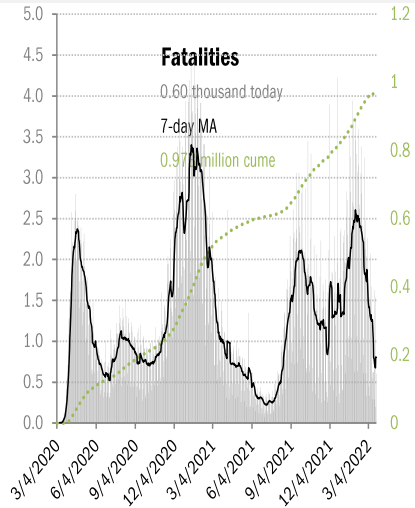
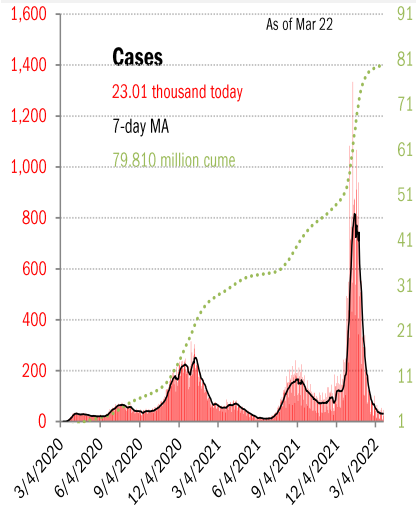
The demographics of US vaccination



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

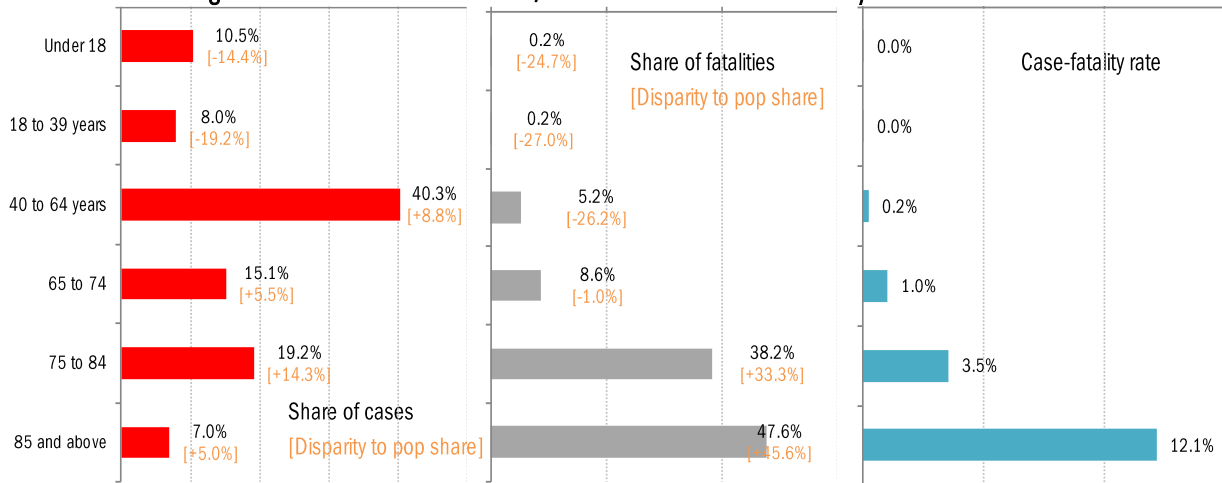
US deep-dive

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

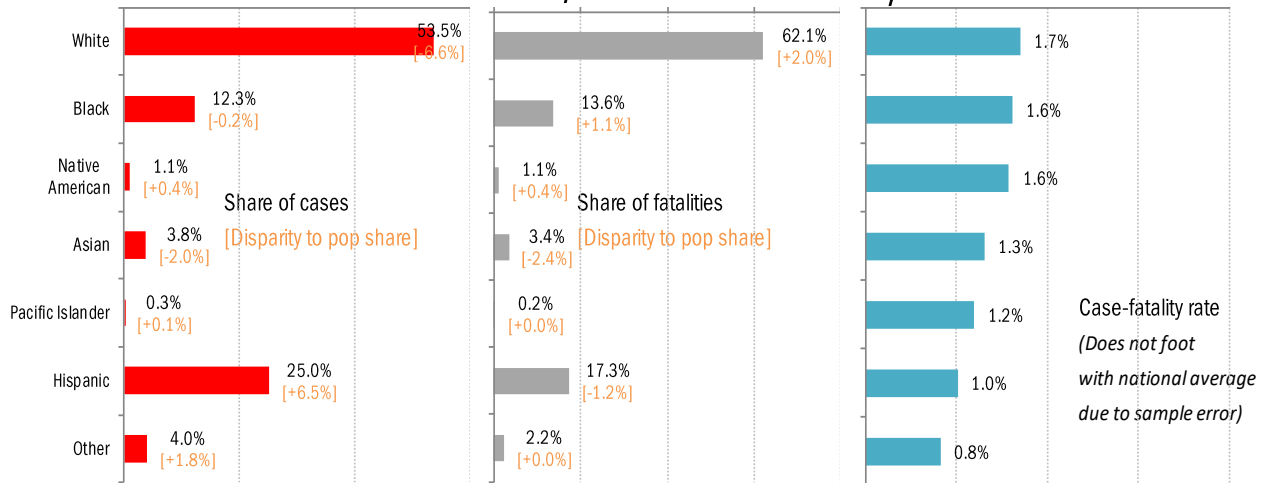


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

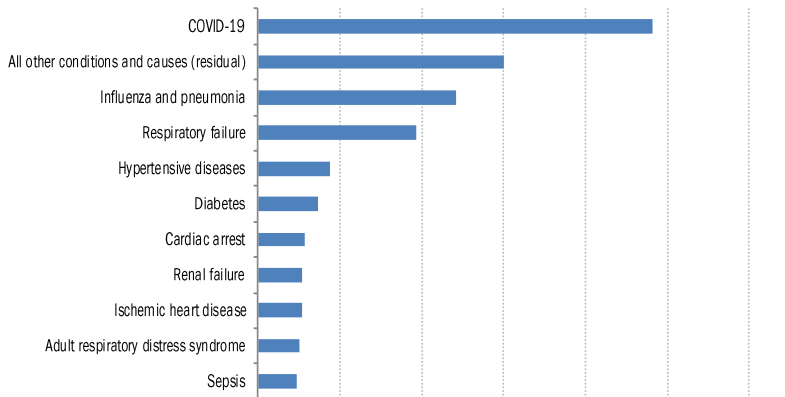


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Mar 13

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

[Jen Psaki, the White House press secretary, tests positive for coronavirus.](#)

Zolan Kanno-Youngs
New York Times
March 22, 2022

[How fast omicron's BA.2 variant is spreading around the world](#)

Dan Keating, Madison Dong and Youjin Shin
Washington Post
March 22, 2022

[Preschoolers Can Shed Their Masks, Mayor Adams Says](#)

Emma G. Fitzsimmons
New York Times
March 22, 2022

[What's the Deal With Masks on Planes?](#)

Heather Murphy
New York Times
March 22, 2022

[Biden Administration to Stop Reimbursing Hospitals for Covid-19 Care for Uninsured](#)

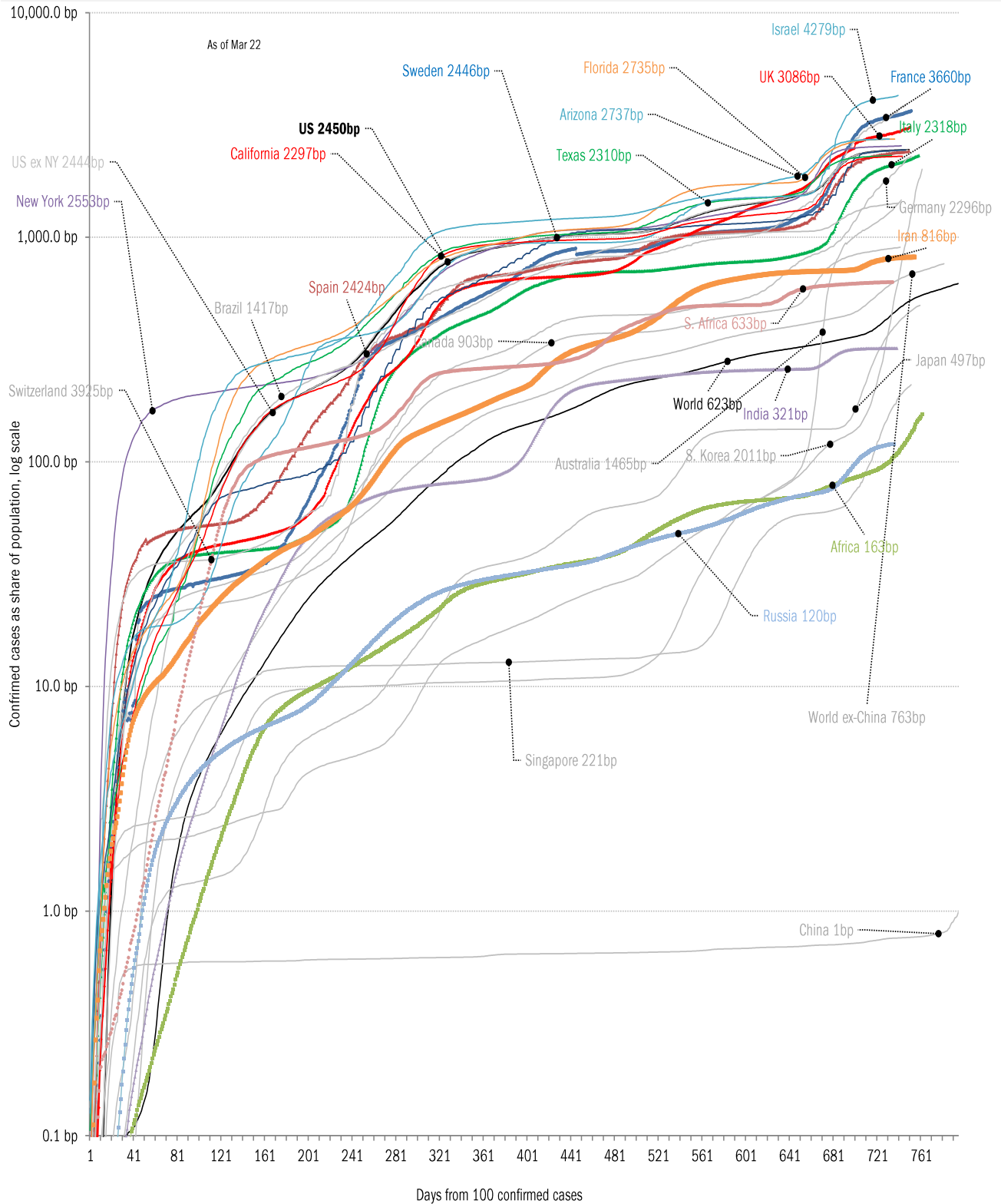
Stephanie Armour and Sabrina Siddiqui
Wall Street Journal
March 22, 2022

Meme of the day



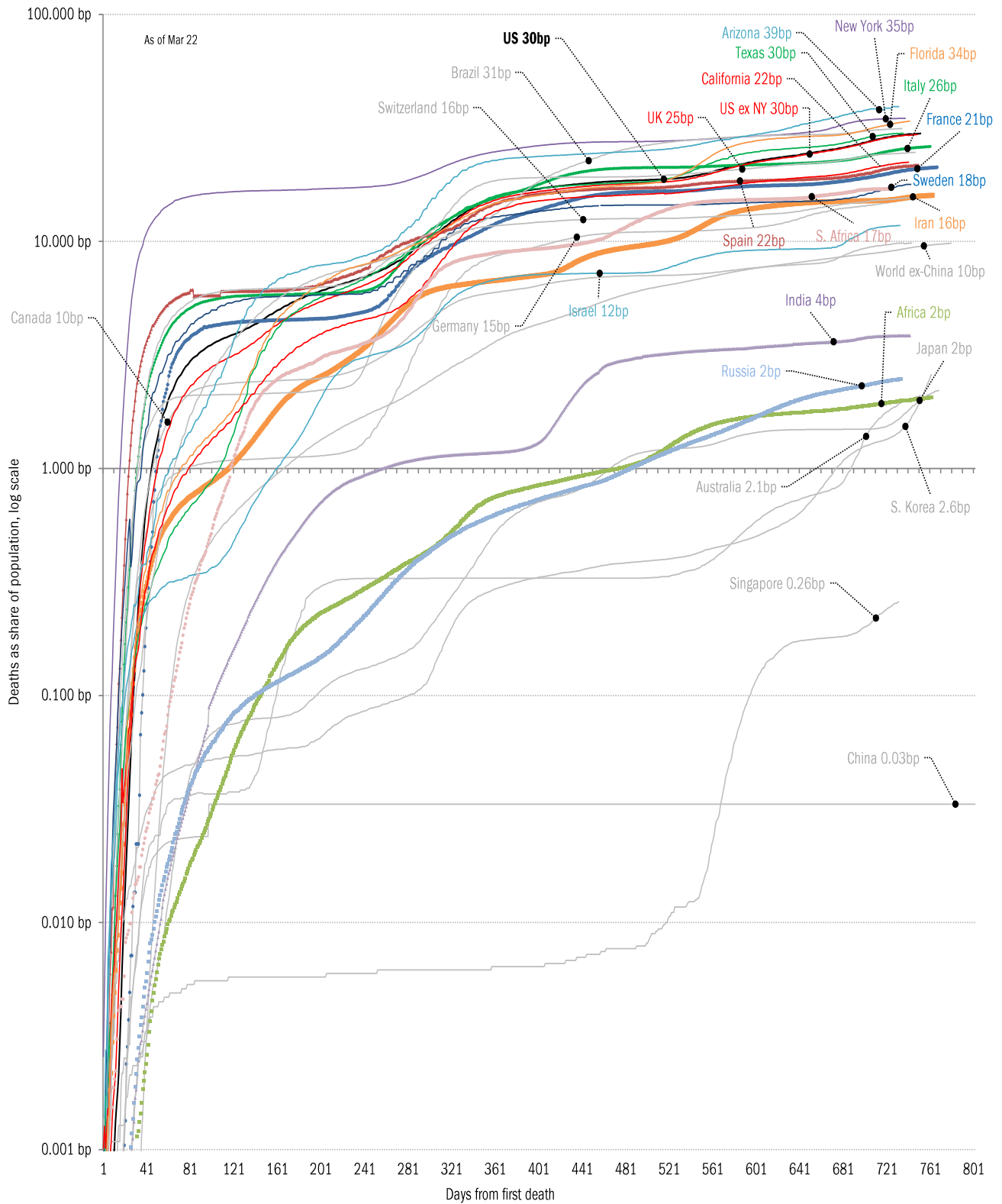
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

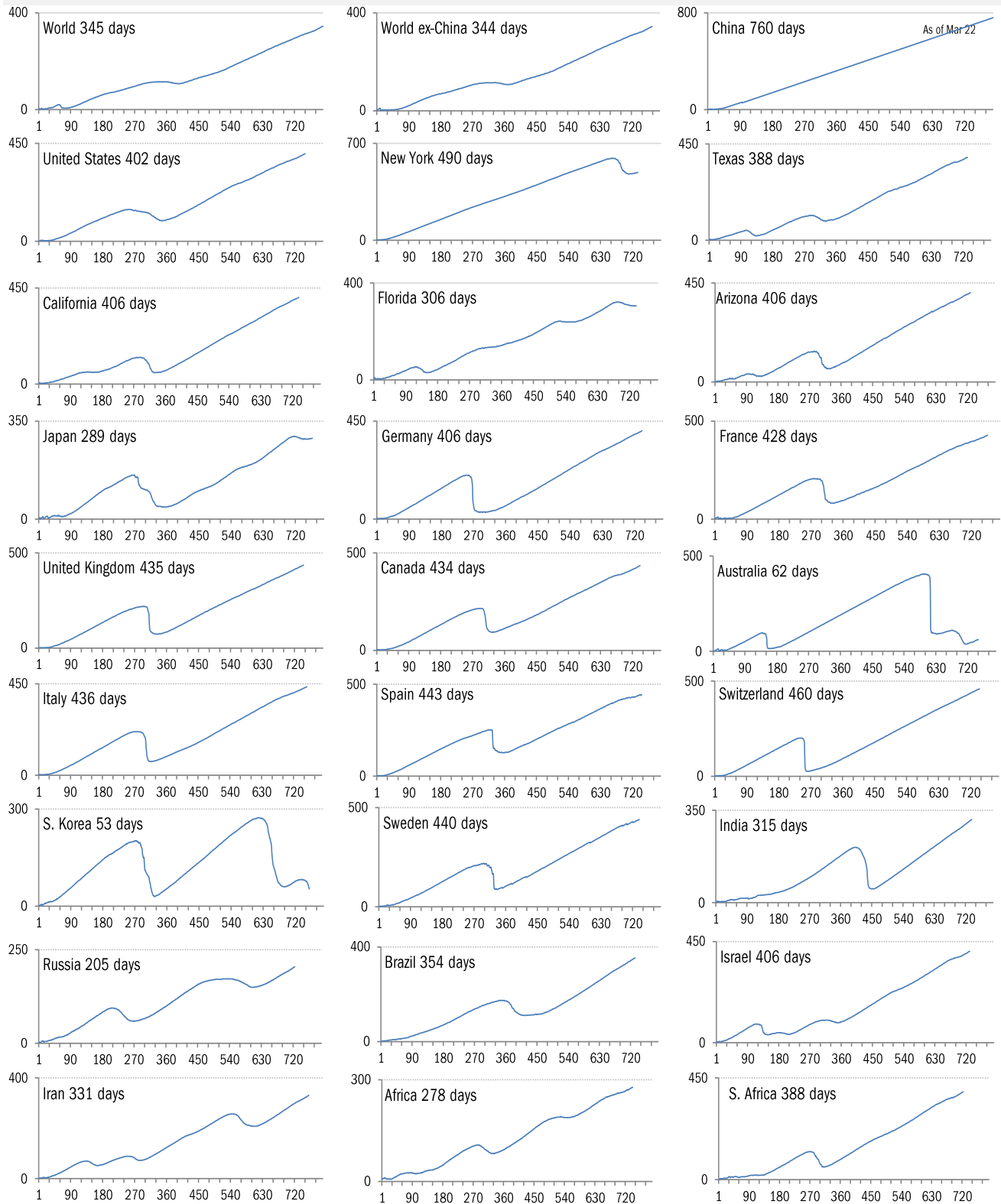


Source: [Johns Hopkins](#), TrendMacro calculations

"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

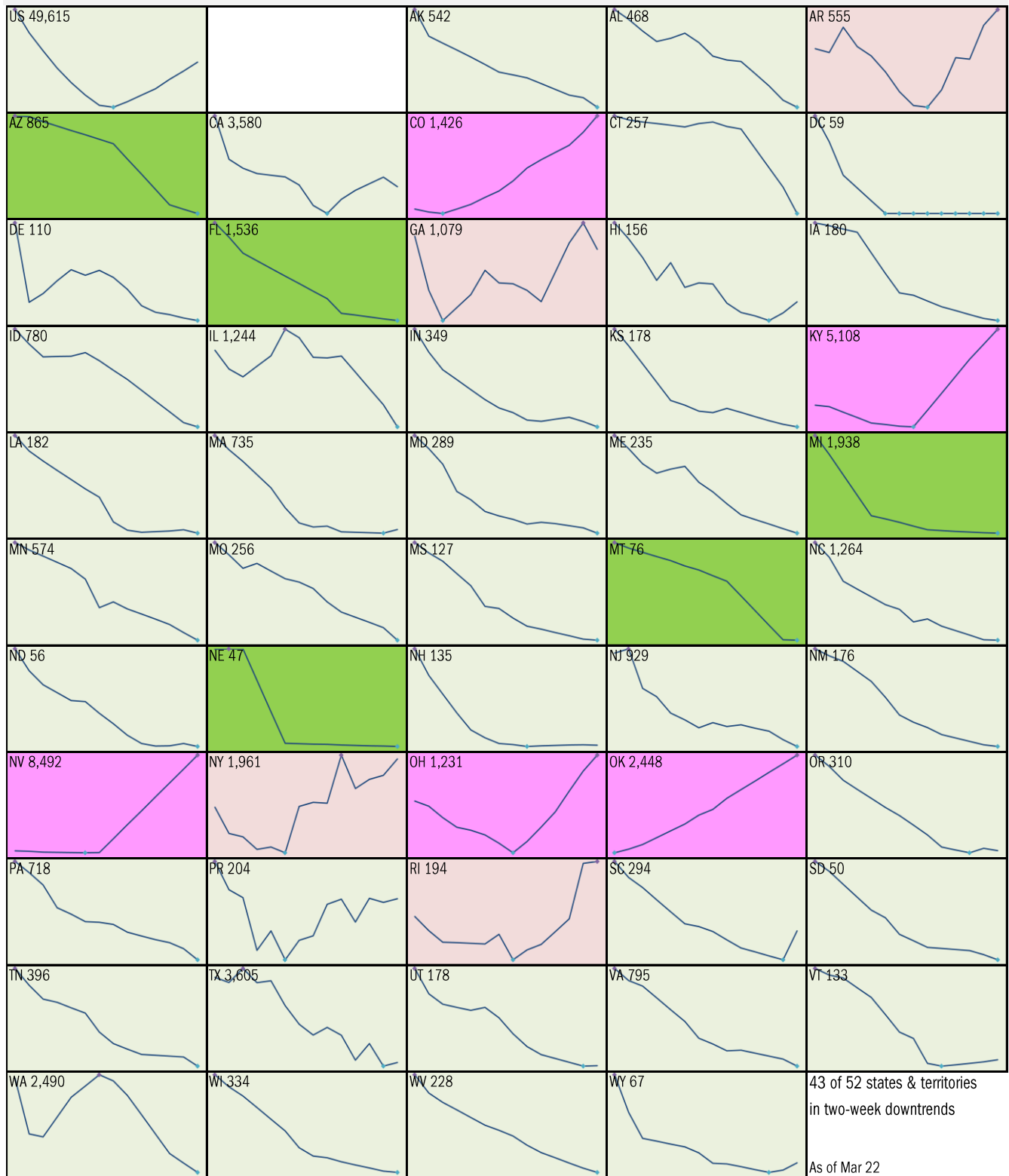


Source: [Johns Hopkins](#), TrendMacro calculations

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

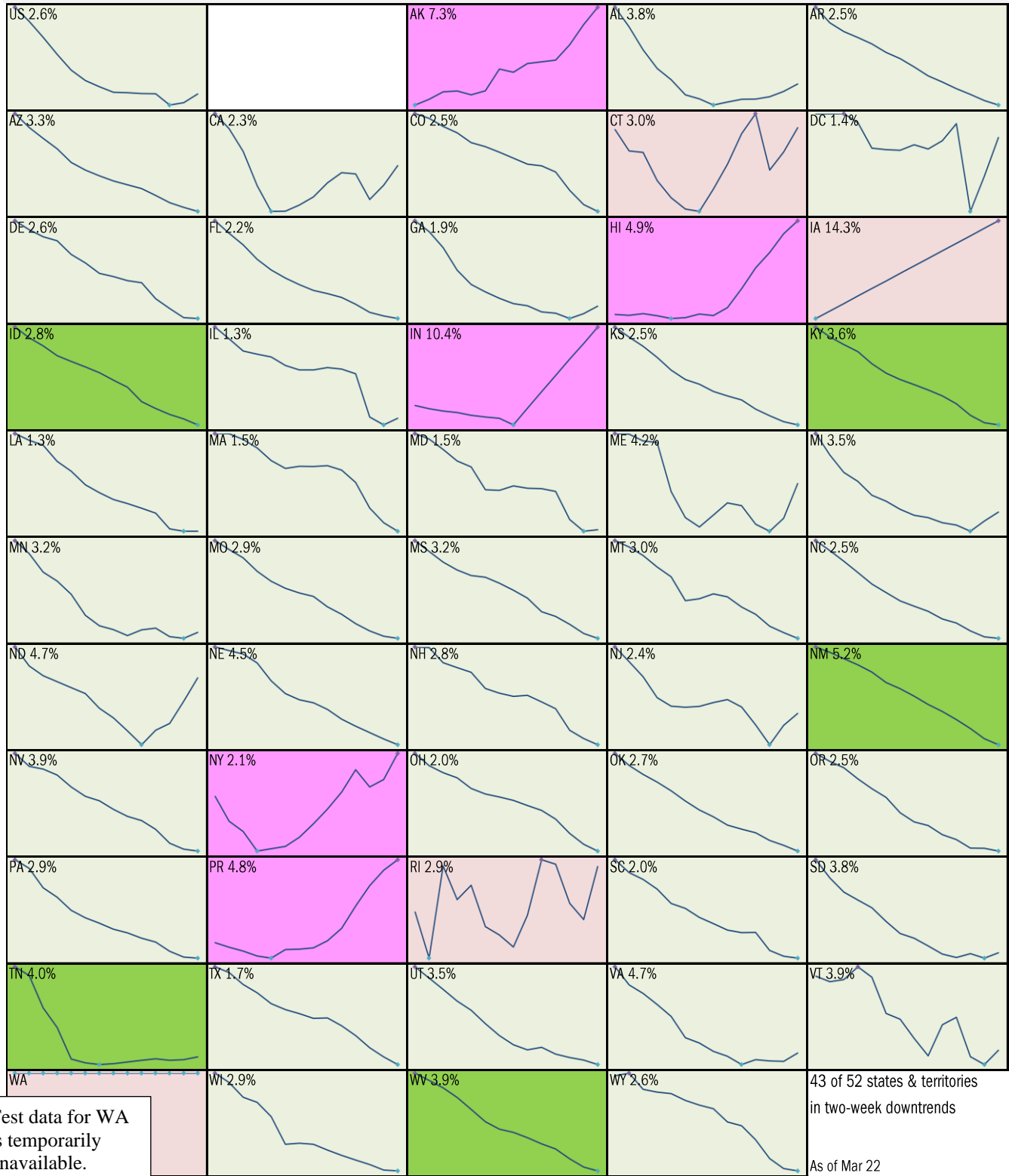


Source: [Johns Hopkins](#), TrendMacro calculations

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

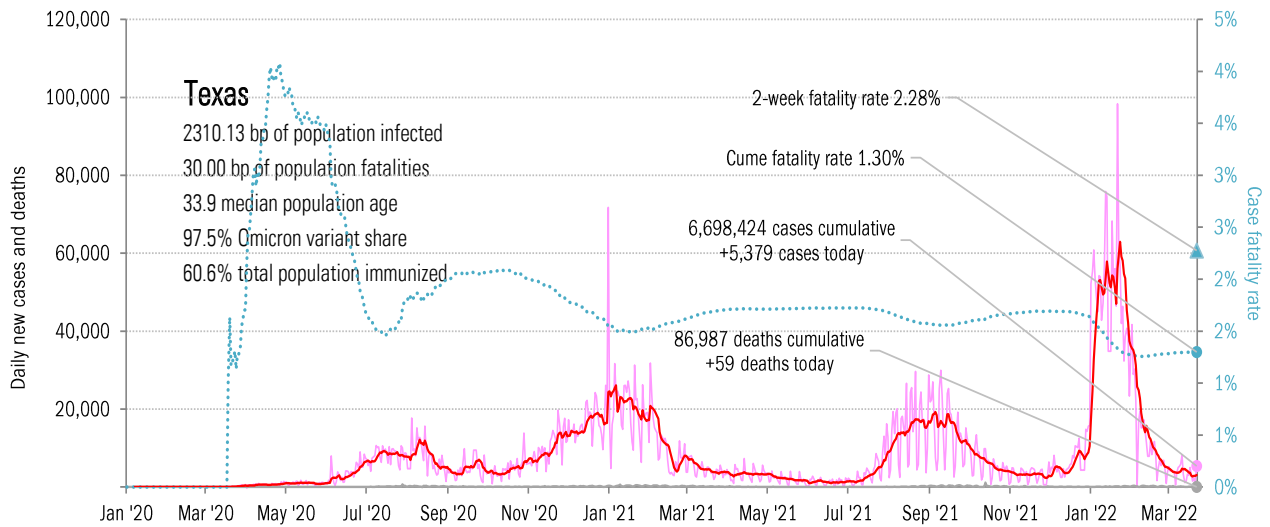
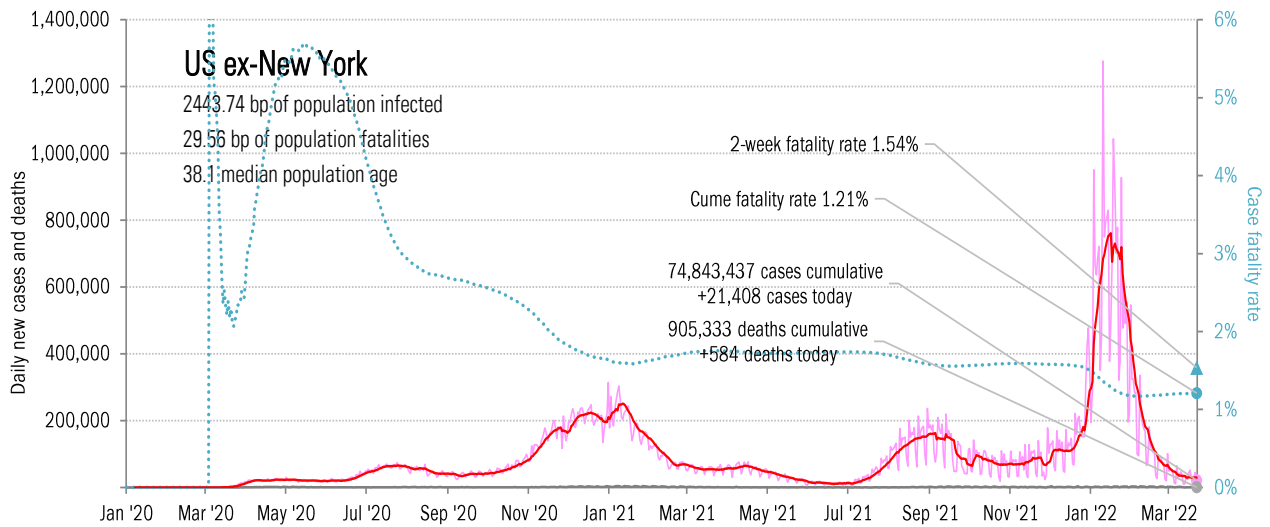
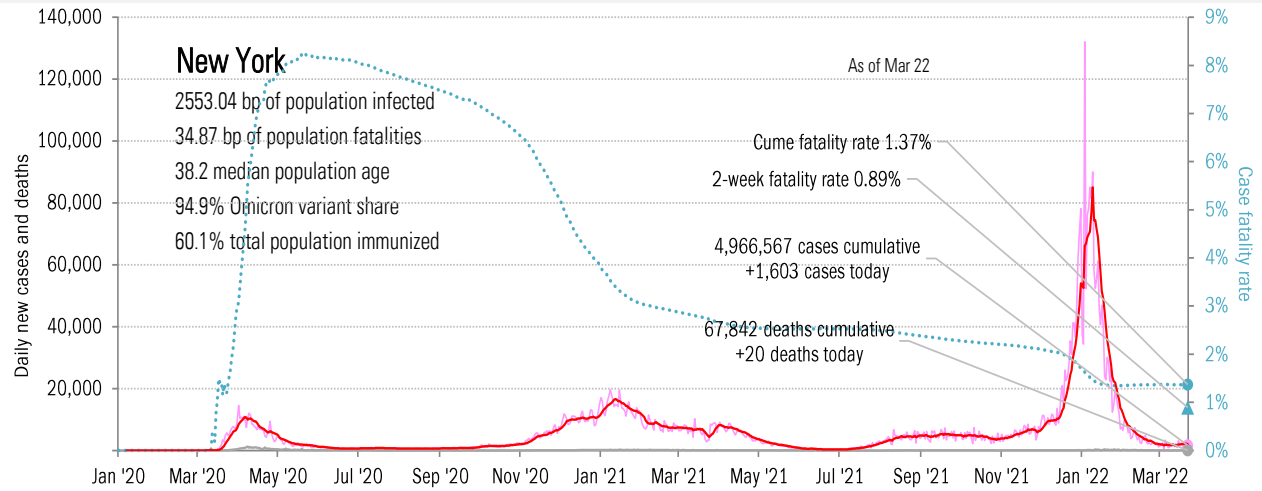


43 of 52 states & territories
in two-week downtrends
As of Mar 22

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

From Ground Zero to the Rio Grande

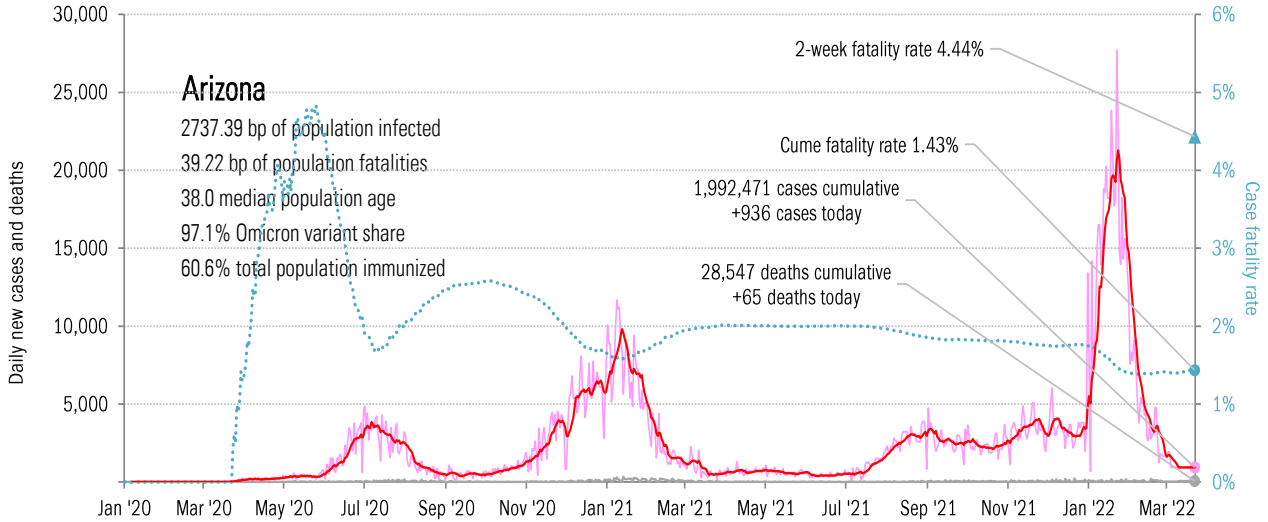
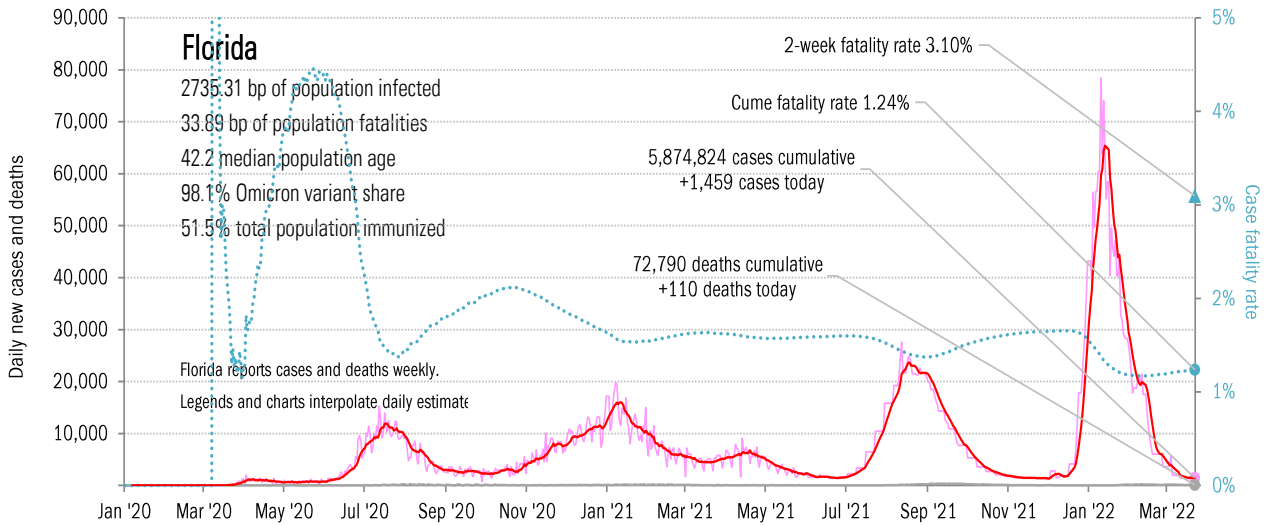
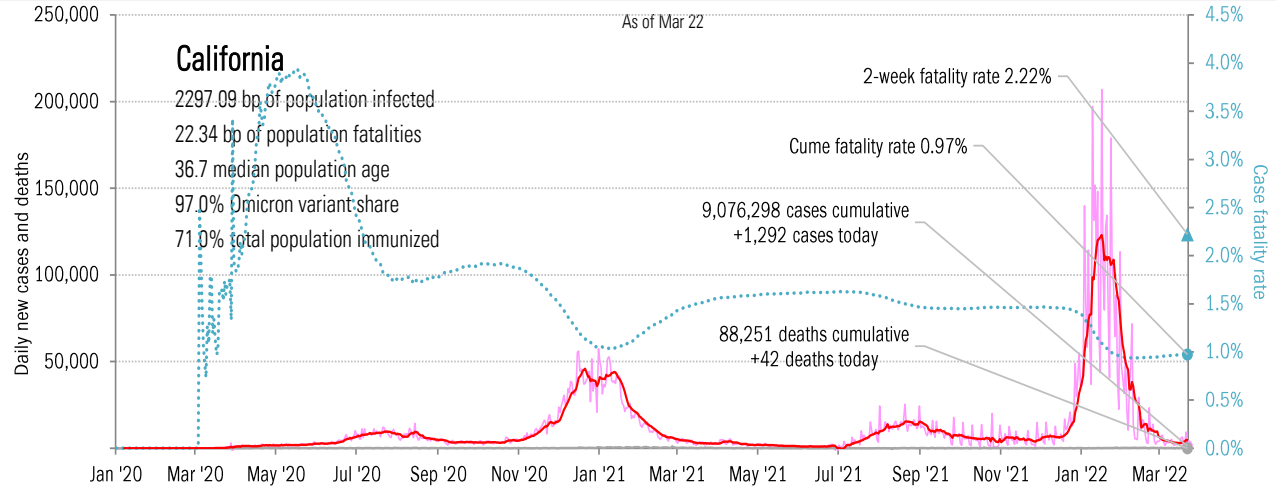
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

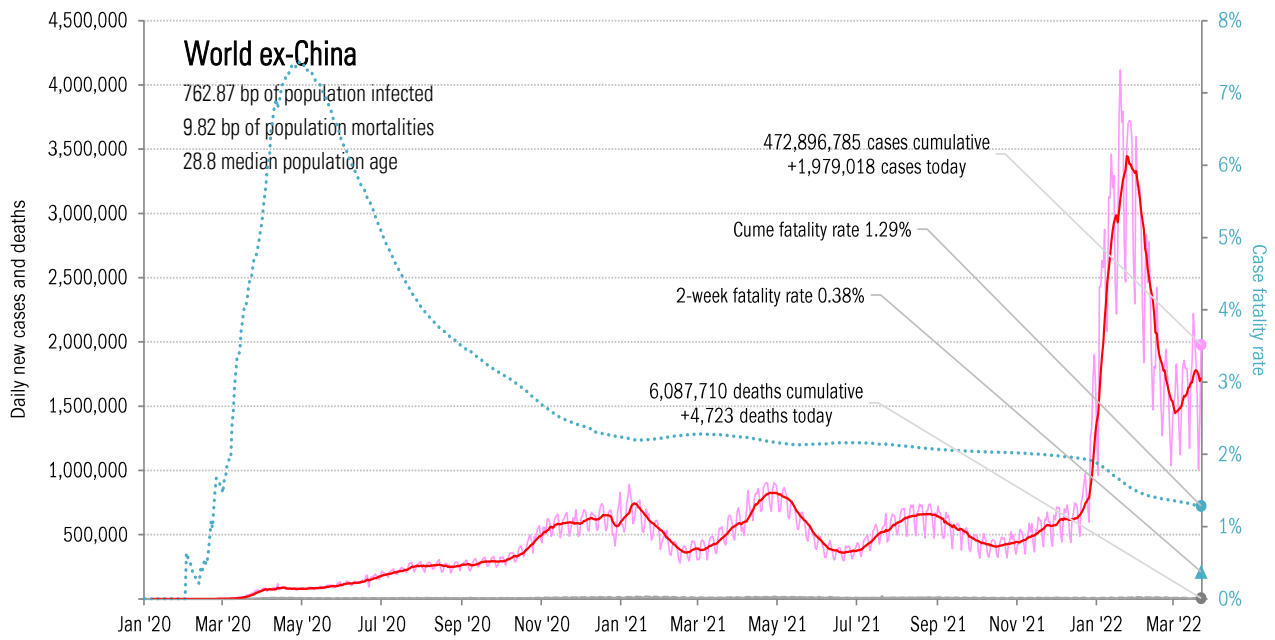
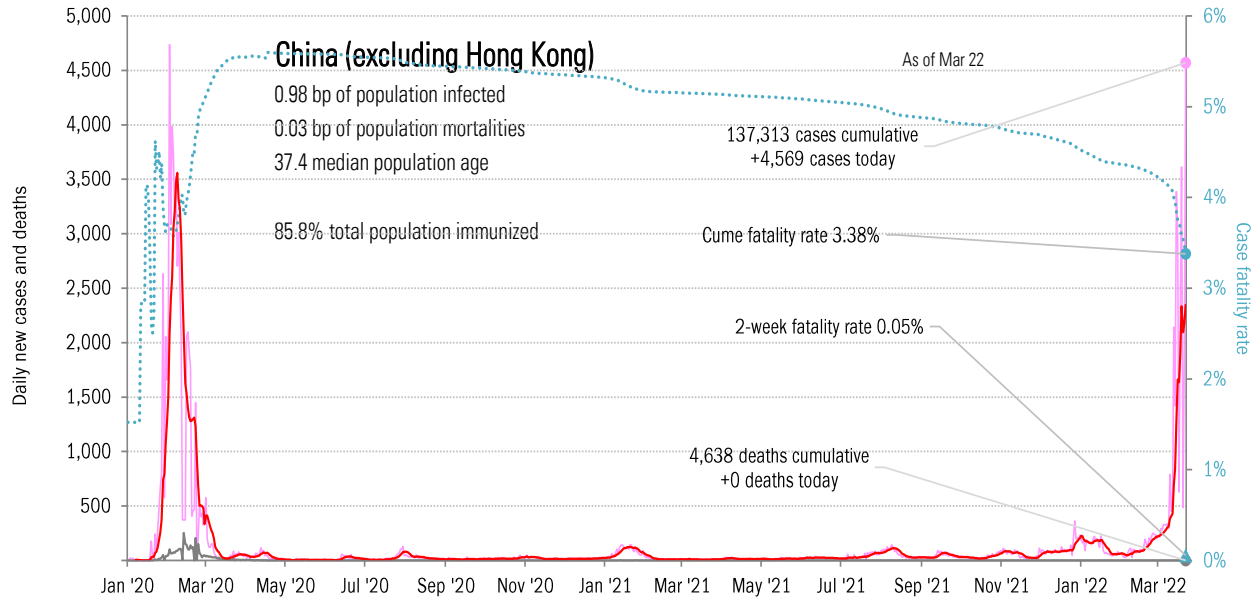
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

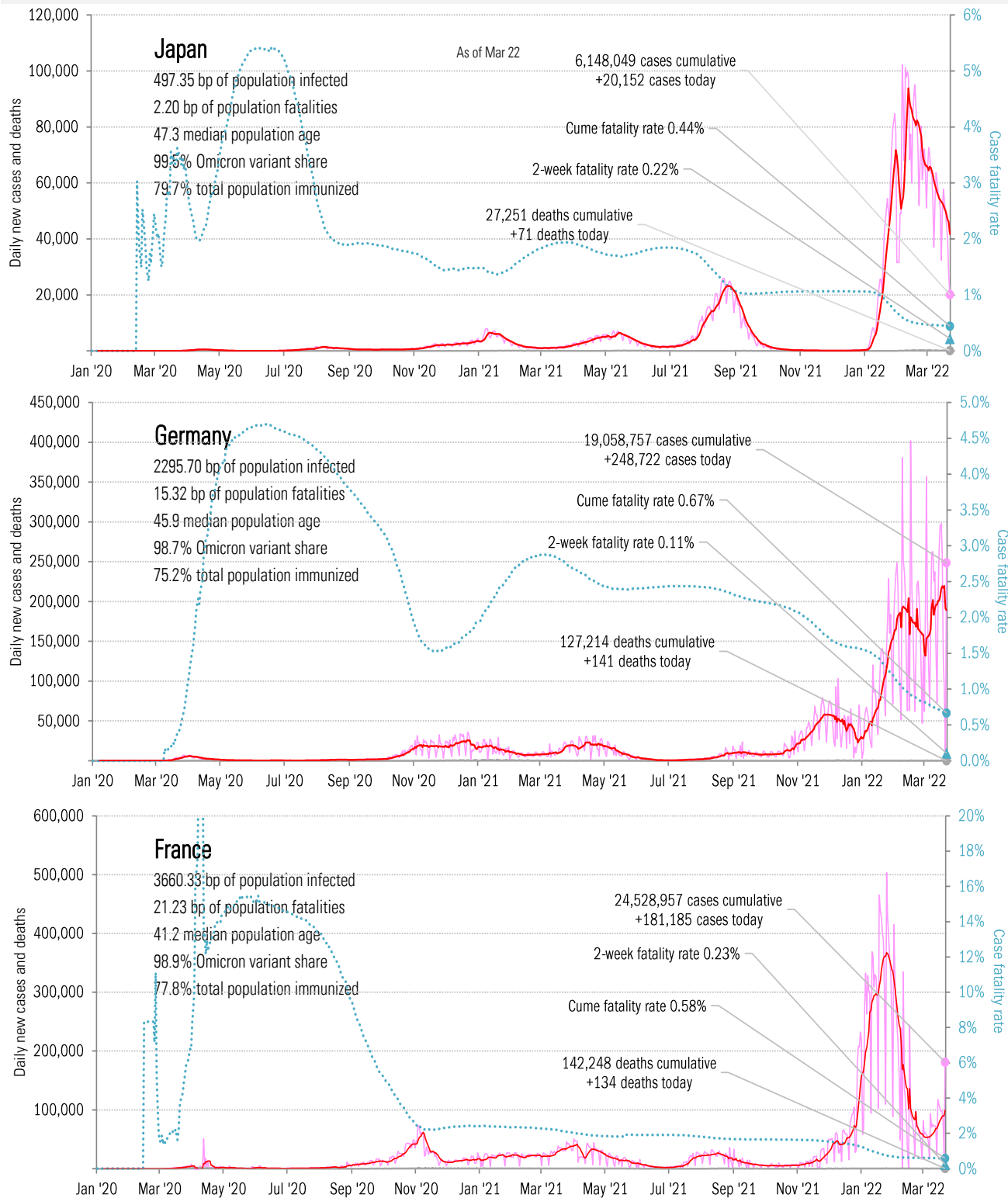
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

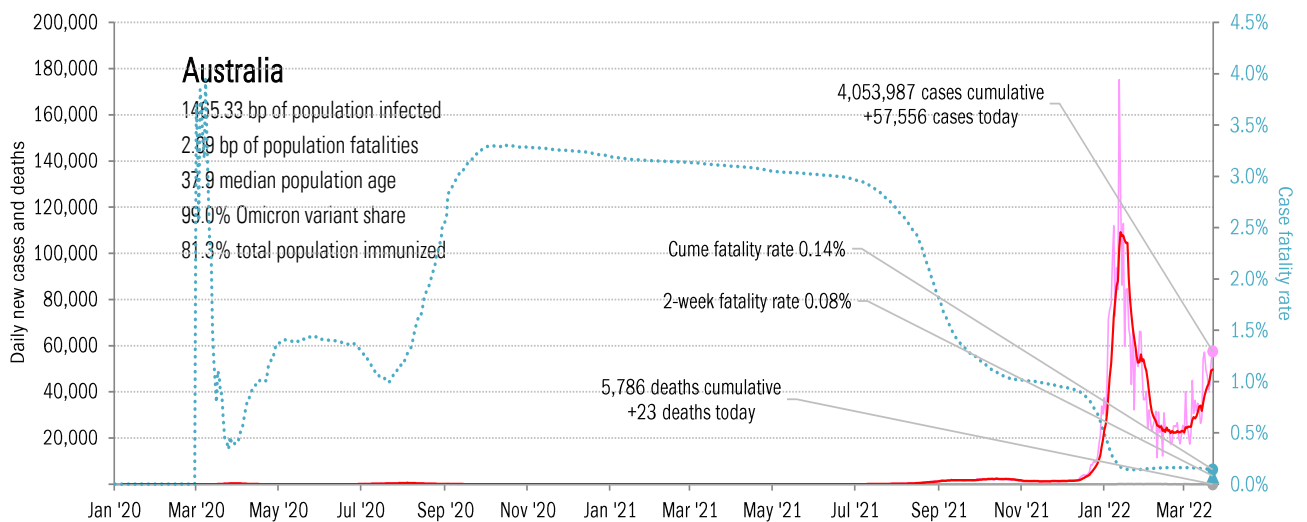
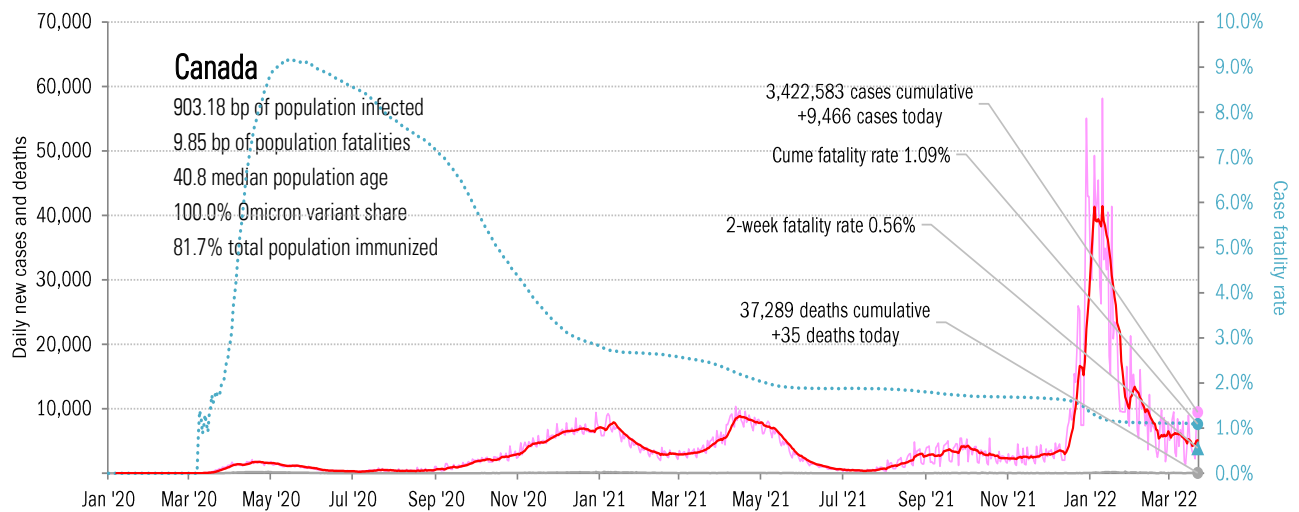
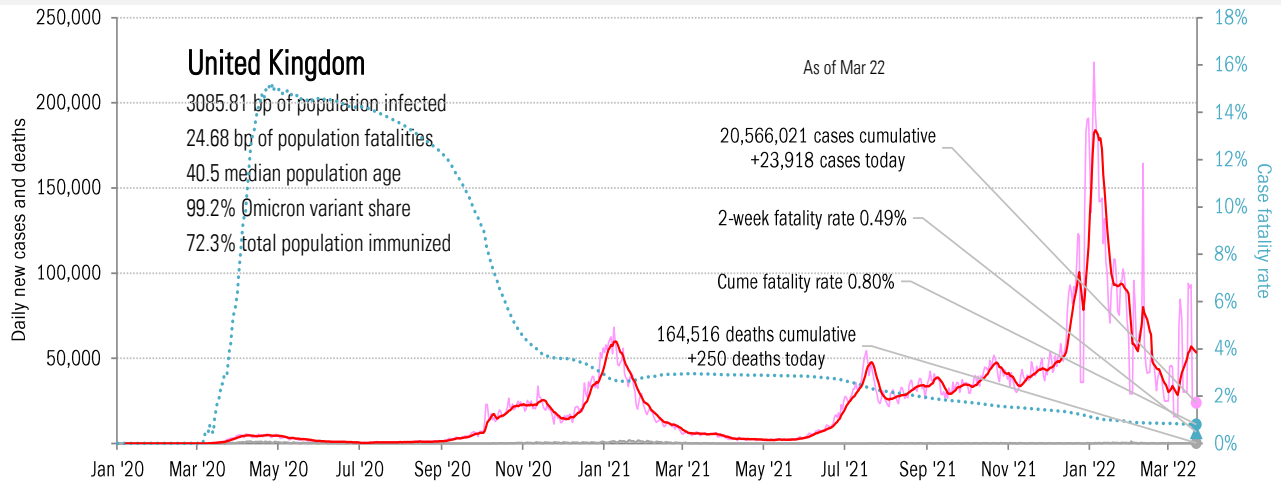
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

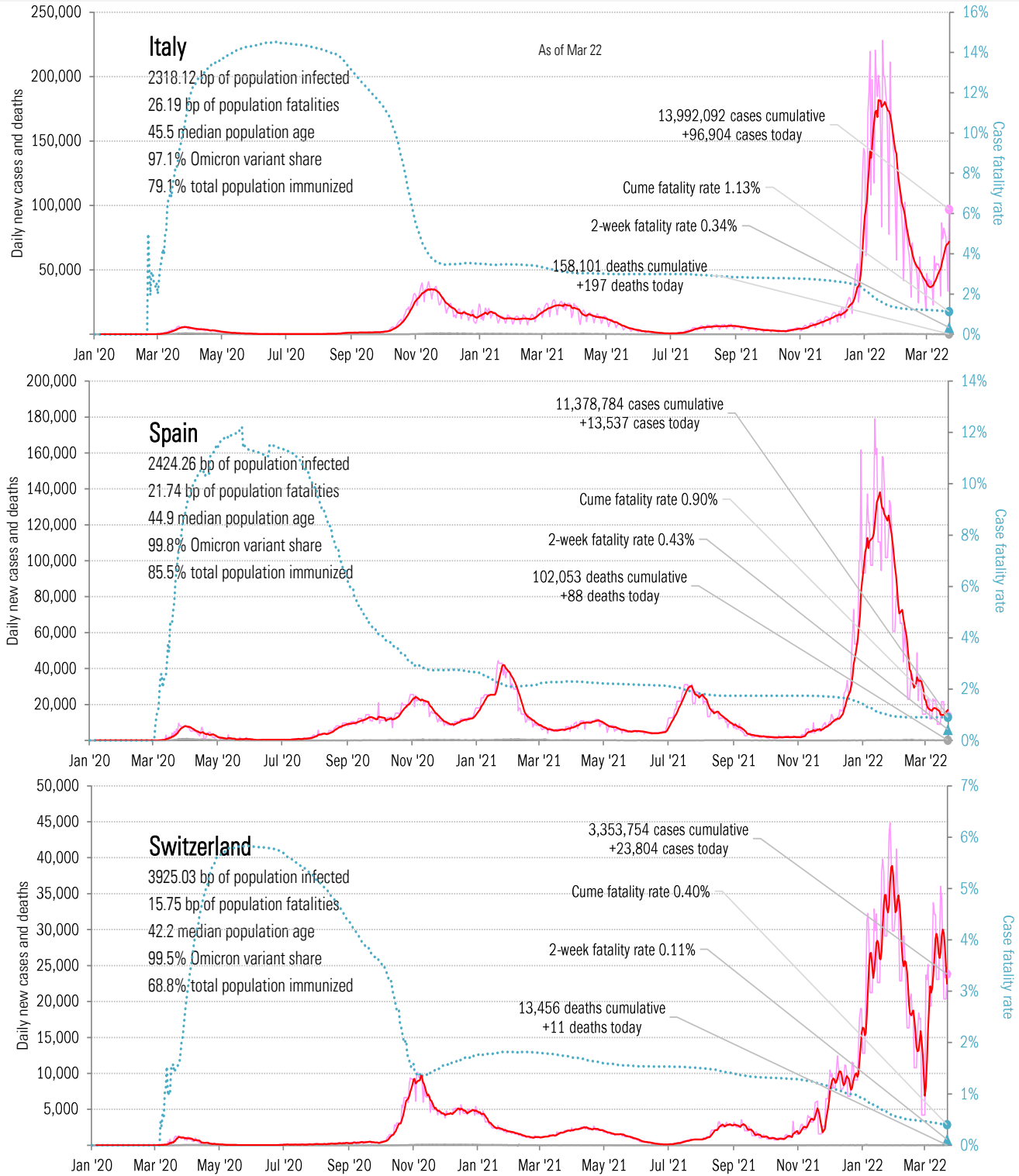
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

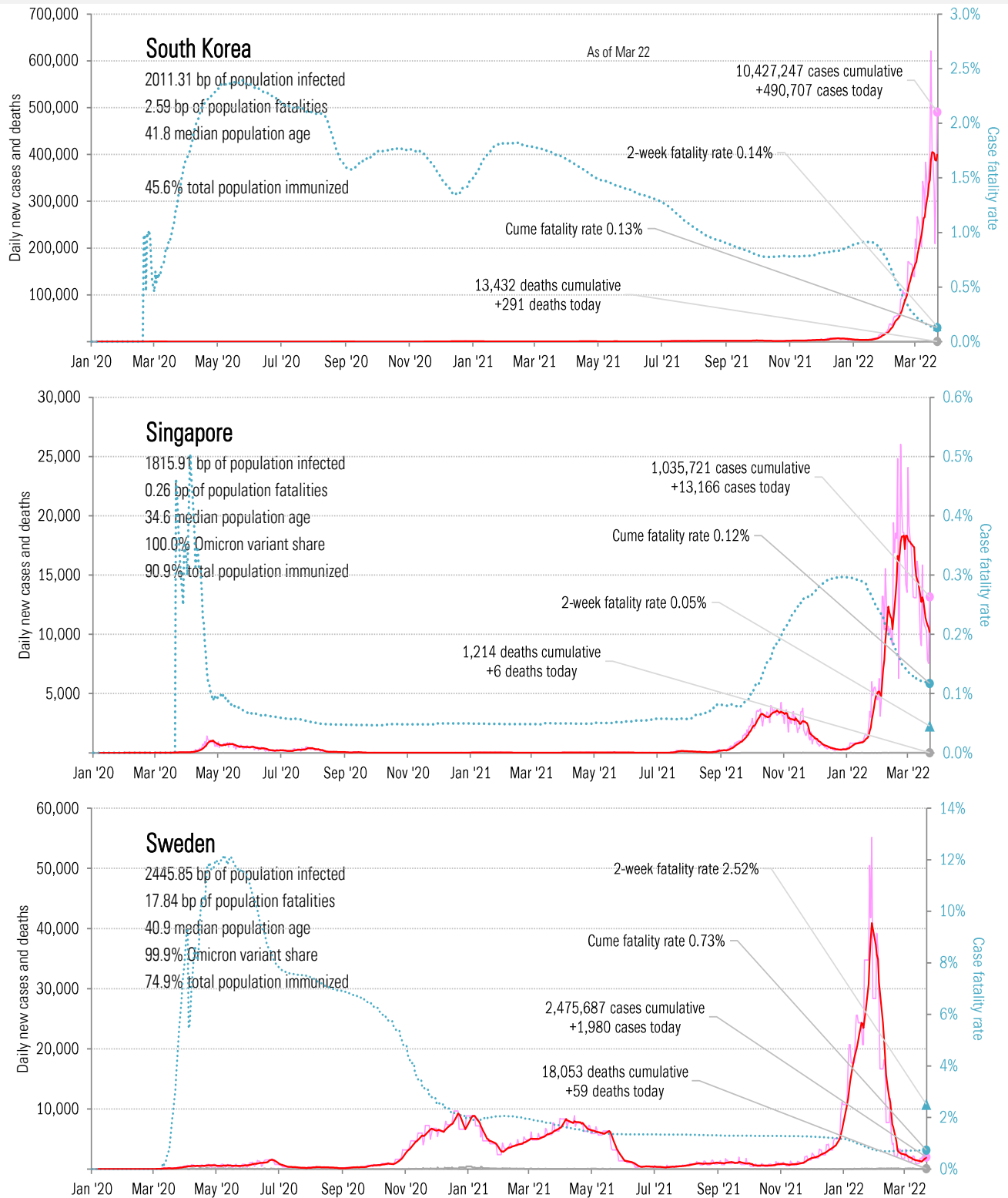
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

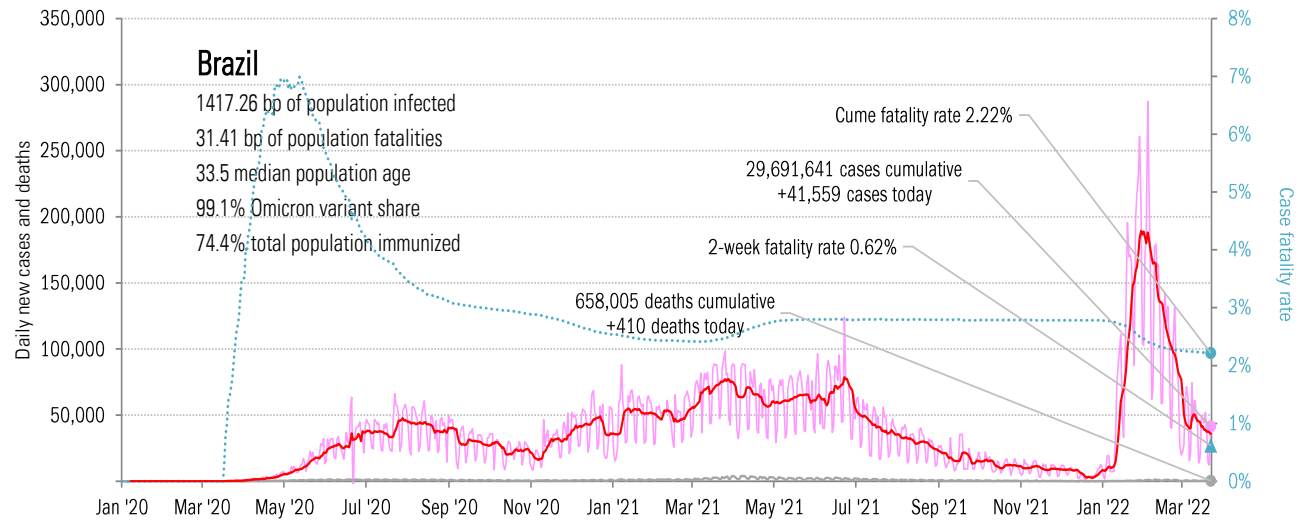
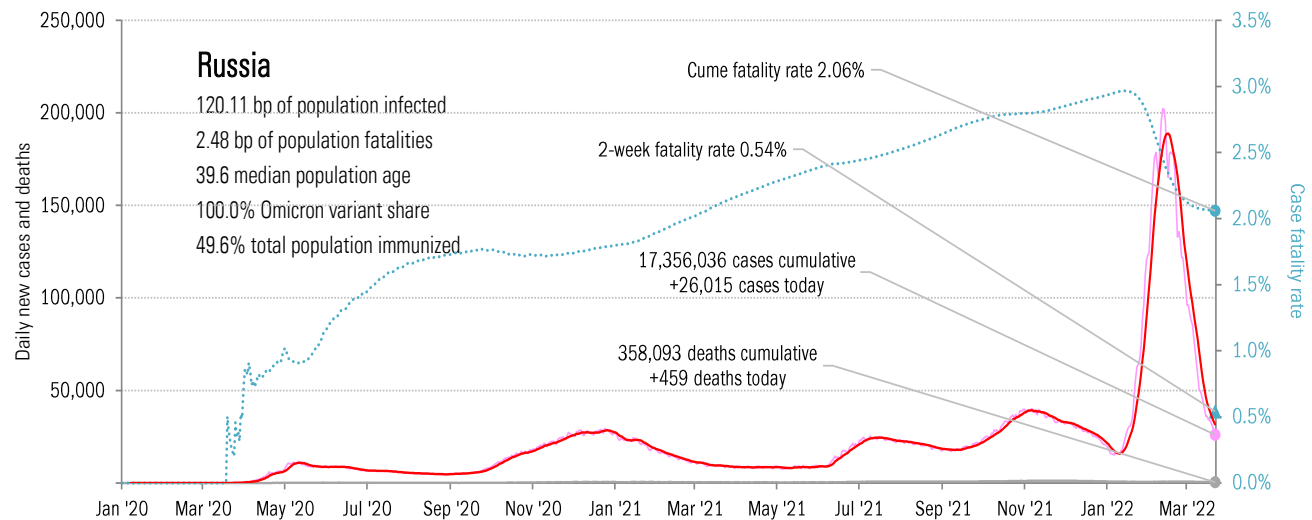
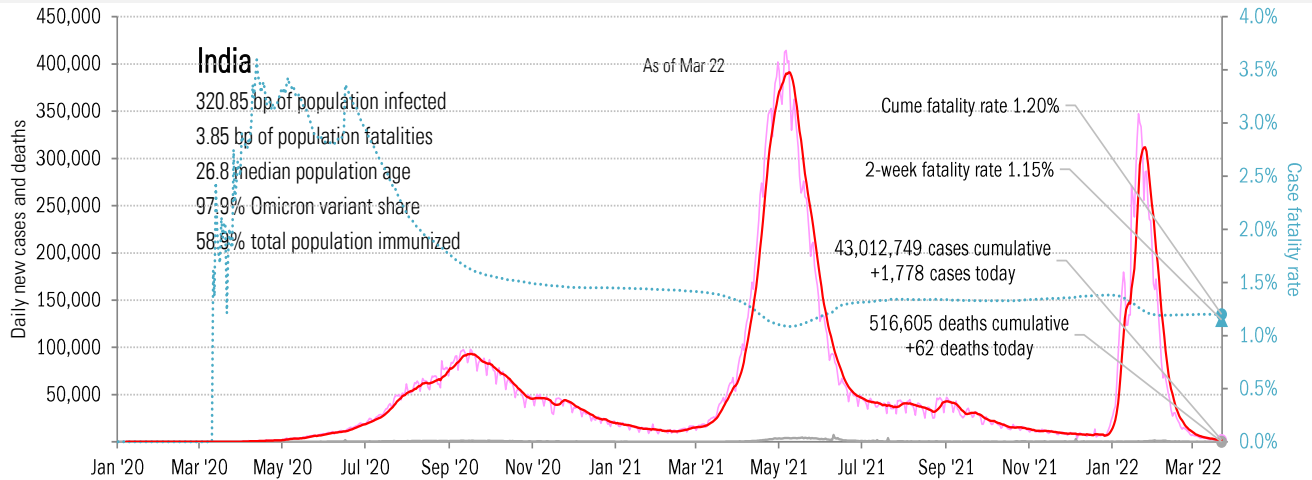
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

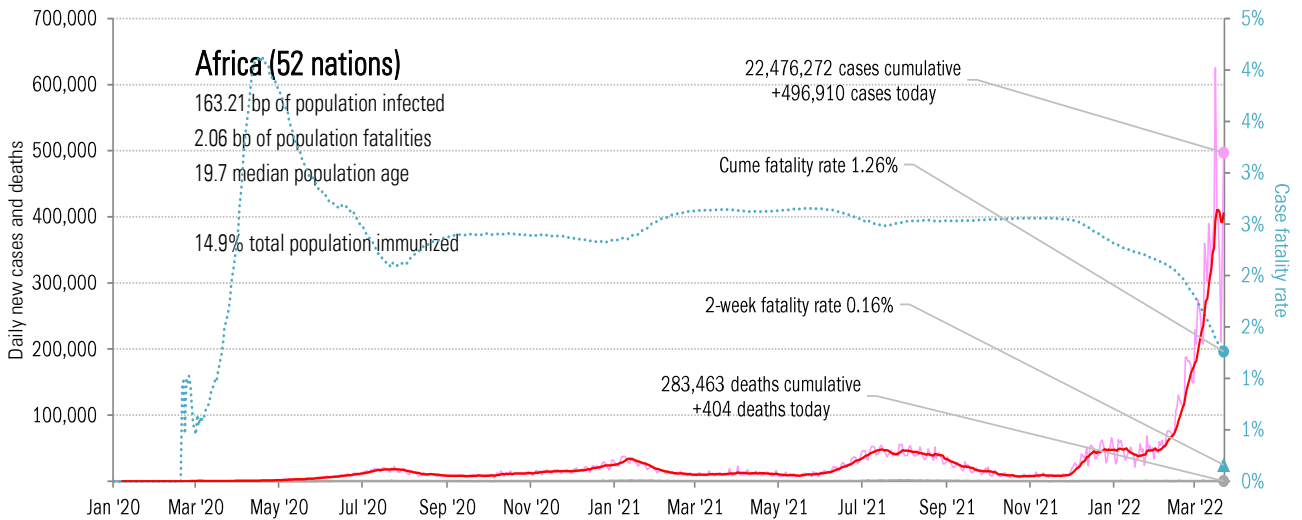
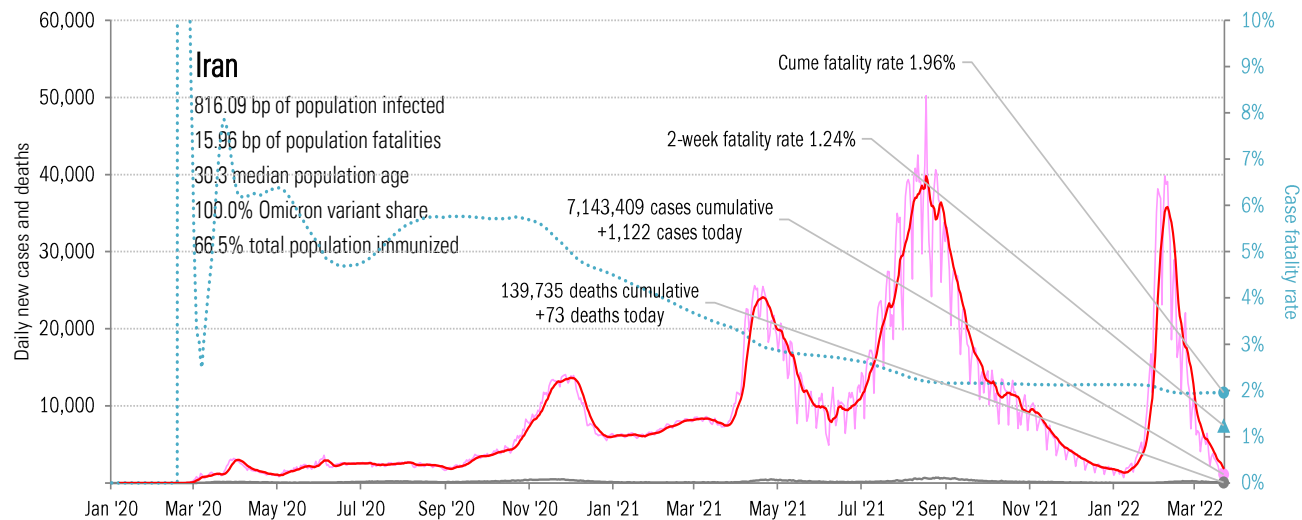
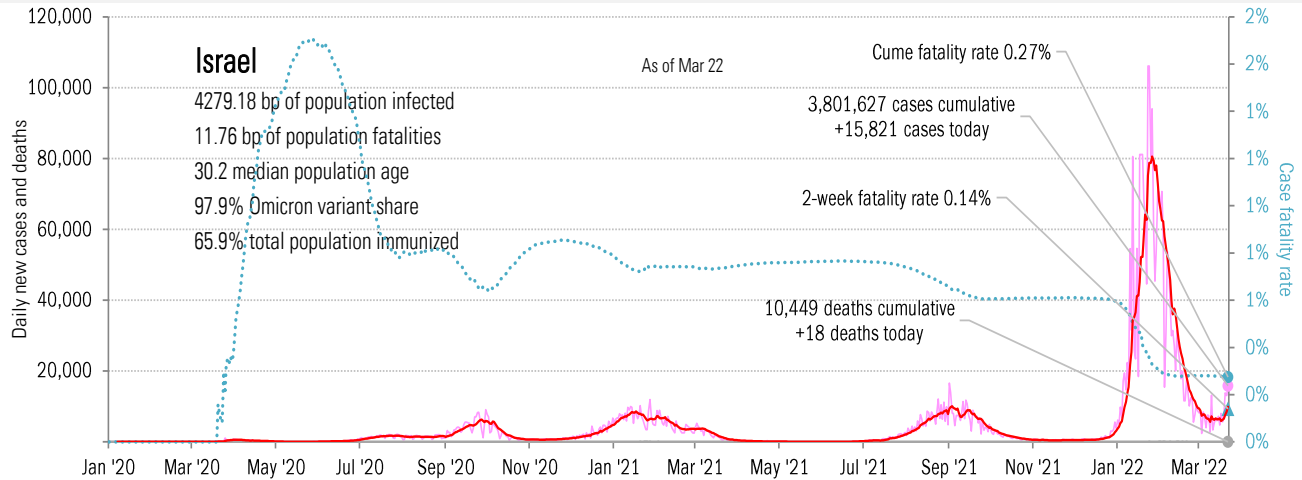
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

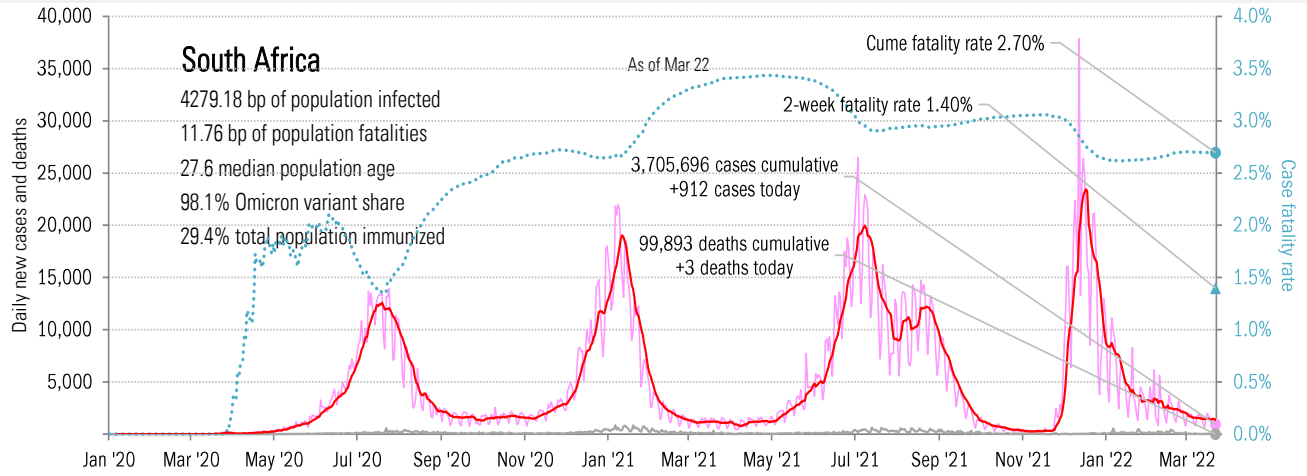
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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