

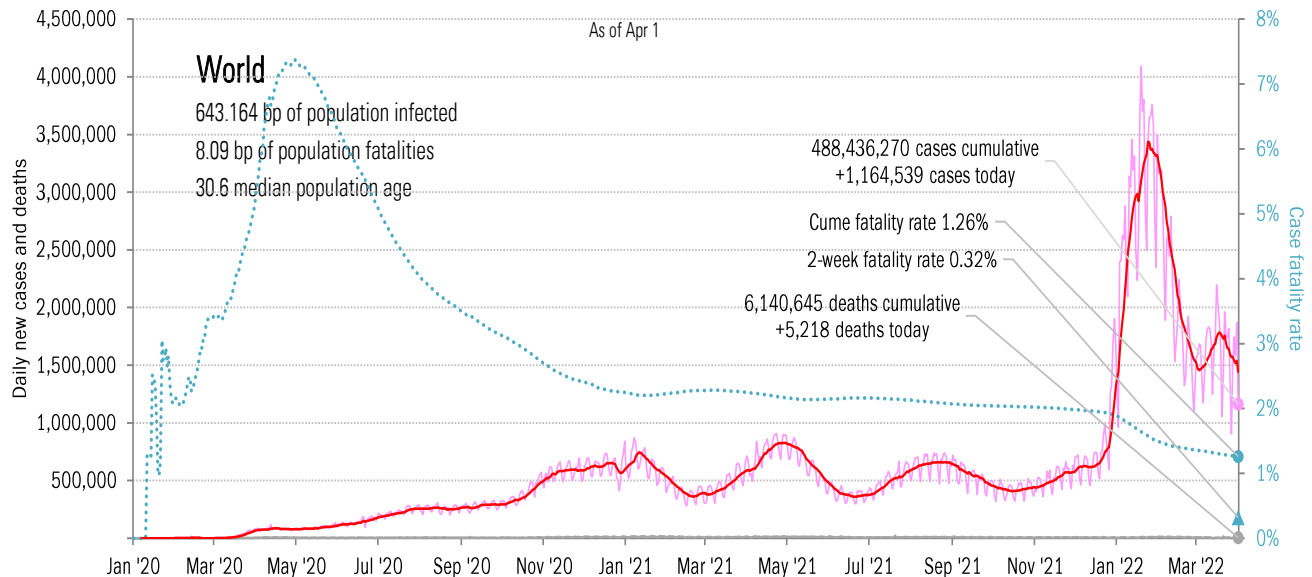
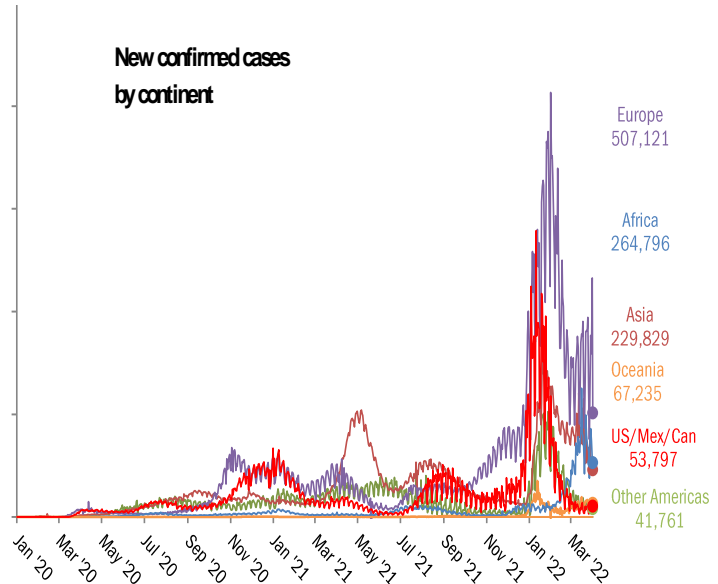
Data Insights: Covid-2019 Monitor

Saturday, April 2, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries				
	New cases		New Deaths	
	Korea, South	264,097	United States	1,625
	France	149,053	Australia	357
	Vietnam	86,054	Korea, South	339
	Italy	77,040	Russia	331
	United Kingdom	69,776	Spain	323
	Australia	55,097	Brazil	243
	Japan	49,141	United Kingdom	191
	Spain	43,265	Italy	154
	United States	38,244	France	134
	Thailand	28,029	Mexico	111
	859,796		3,808	
	World	1,164,539	World	5,218
	Top ten	74%	Top ten	73%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

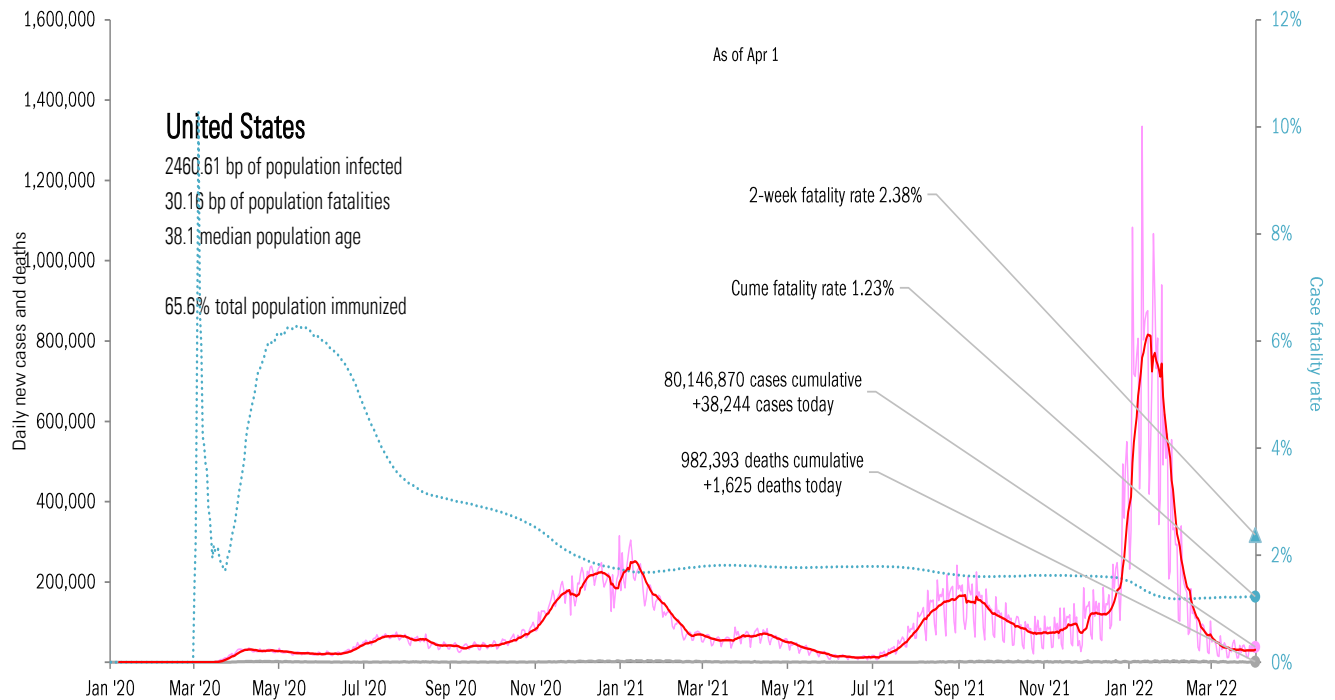
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	8,133		IN	979		GA	91		CA	9,109,754		CA	89,012		TX	487,093		RI	90%	TX	84%
NY	3,834		KS	103		FL	119		TX	6,741,563		TX	87,426		CA	422,707		MA	85%	DC	84%
KY	2,778		GA	70		CK	24		FL	5,891,565		FL	73,304		FL	413,431		MN	83%	RI	83%
TX	2,644		KY	70		CO	24		NY	4,999,568		NY	67,983		NY	244,958		MD	82%	KY	81%
MI	1,985		CA	62		WA	25		IL	3,069,650		PA	44,295		GA	206,709		WA	82%	NC	81%
MA	1,600		MI	44		IL	63		PA	2,782,174		CH	38,042		CH	190,089		WV	82%	AK	80%
NJ	1,517		FL	36		WI	31		CH	2,672,801		GA	37,057		PA	175,528		DC	82%	NM	80%
WA	1,492		TX	33		MS	9		NC	2,630,506		IL	35,827		IL	156,426		MO	82%	WA	79%
CO	1,455		WA	32		IA	14		GA	2,500,259		MI	35,706		MI	140,614		PA	81%	AL	79%
IL	1,413		VA	22		KS	20		MI	2,389,506		NJ	33,238		KY	132,794		GA	81%	MA	78%
26,851			1,451			420			42,787,346			541,890			2,570,349						
All states	38,244		1,625			1,456			All states	80,146,870		982,393			4,666,952			All states	70%	67%	
Top ten	70%		89%			29%			Top ten	53%		55%			55%			Median	76%	73%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-10,143	CK	-137	CA	-114	DE	+10 bp
FL	-6,561	FL	-93	TX	-68	ID	+10 bp
CH	-3,103	MN	-15	AR	-19	KS	+10 bp
GA	-2,100	NM	-14	NC	-18	MD	+10 bp
CK	-1,810	MO	-13	ME	-15	NJ	+10 bp



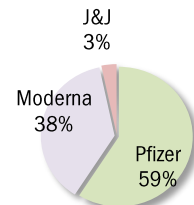
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	576,226,886		+0.177 million	US	65.6%	77.0%
Boosters	99,067,642		+0.060 million	UK	72.5%	77.4%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,255,473	79%	223,950,071	67%	+0.033 million	France 77.8% 80.1%
Age 12 to 17	17,556,611	69%	14,979,620	59%	+0.004 million	Spain 85.8% 88.0%
Age 18 to 64	177,341,963	87%	150,417,429	74%	+0.016 million	Germany 75.3% 75.9%
Age 65 and over	58,314,122	100%	50,512,623	92%	+0.006 million	Italy 79.2% 84.0%

Australia	82.4%	86.1%
Israel	66.0%	72.2%
Canada	81.9%	85.8%
Japan	79.9%	81.3%
Africa	15.2%	20.3%
India	59.7%	71.0%
Brazil	75.1%	84.7%
China	85.9%	88.3%

Global data differs due to sources, timing



State
At least partial immunity as % population
Full immunity as % population



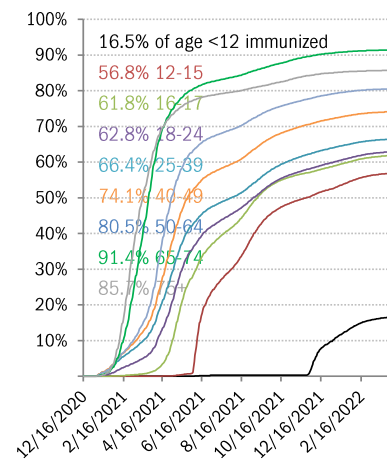
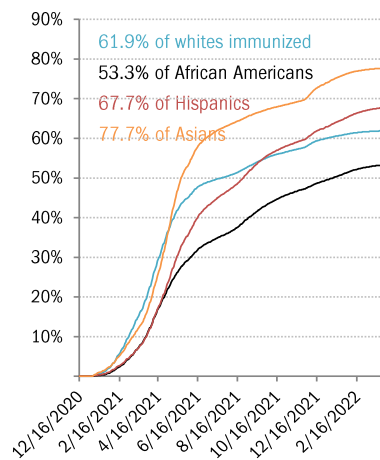
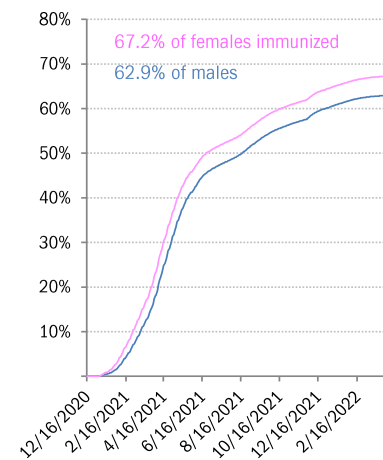
AK
69.3%
61.7%

Immunity = two doses

As of Apr 1

					WI					ME
					71.4%					89.6%
					65.1%					78.8%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.3%	60.7%	64.9%	64.7%	74.7%	76.3%	66.6%		89.6%	93.0%	90.2%
72.1%	53.6%	56.4%	54.6%	68.8%	68.2%	59.8%		76.2%	80.6%	69.4%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.4%	74.6%	58.4%	75.6%	67.6%	61.1%	63.2%	84.1%	89.7%	95.0%	
69.2%	60.3%	51.1%	60.5%	61.6%	54.5%	58.1%	67.6%	75.0%	78.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.6%	71.8%	78.9%	69.9%	65.8%	65.8%	64.6%	85.0%	85.8%	94.6%	95.0%
71.1%	63.9%	69.8%	63.1%	55.6%	57.0%	57.2%	72.6%	75.0%	78.4%	81.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.3%	86.8%	74.0%	66.2%	61.8%	83.1%	67.1%	95.0%	82.4%	
	60.9%	70.4%	60.8%	54.0%	54.0%	59.9%	56.5%	72.9%	68.4%	
			OK	LA	MS	AL	GA			
			70.5%	60.7%	59.3%	62.3%	64.9%			
			56.6%	53.2%	51.5%	50.7%	54.3%			
			TX					FL		PR
			72.2%					78.7%		95.0%
			60.8%					66.5%		82.2%

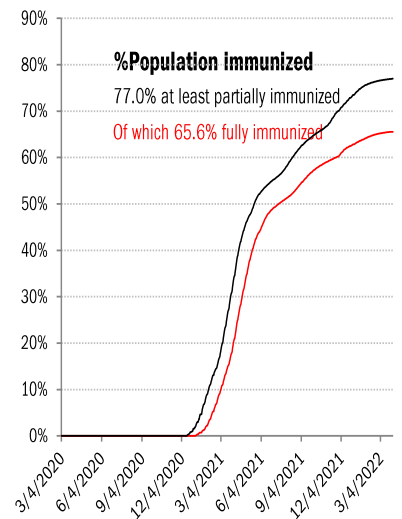
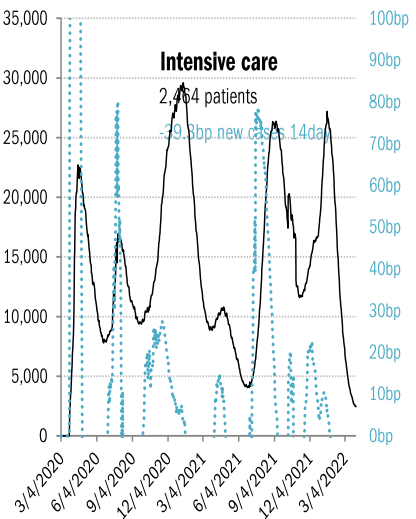
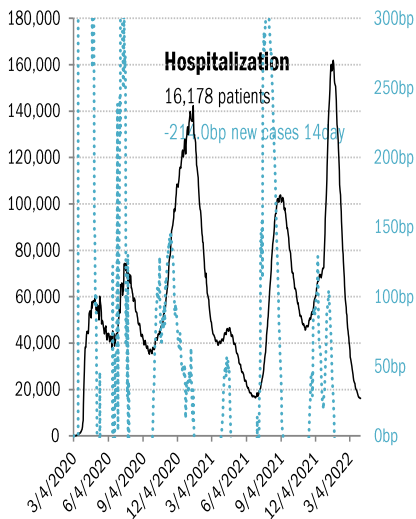
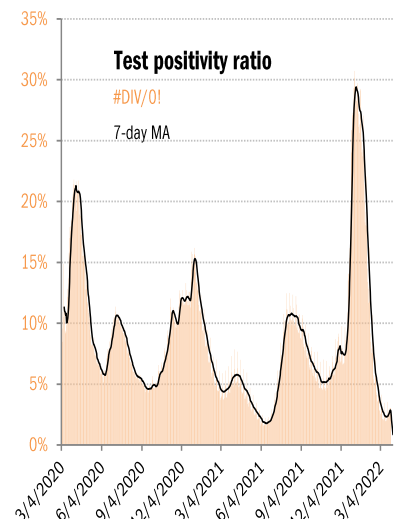
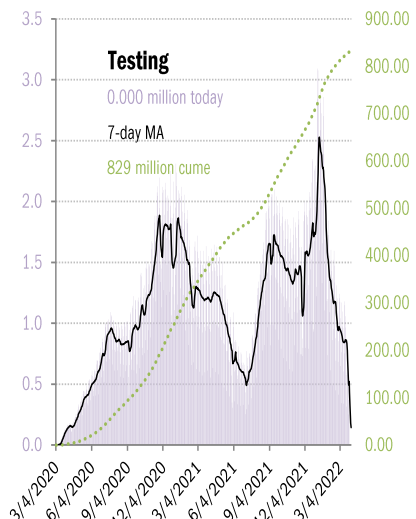
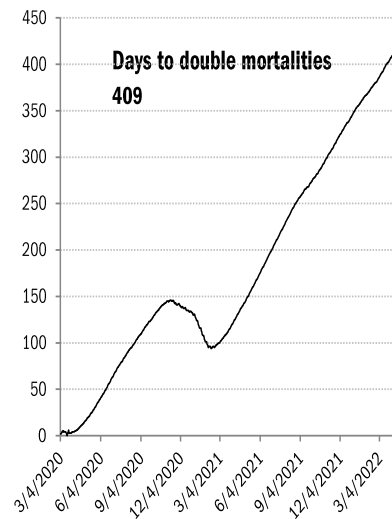
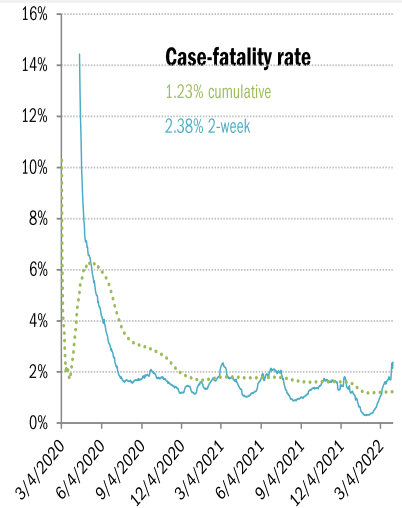
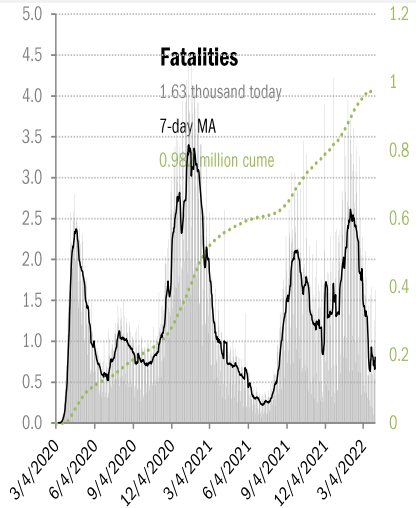
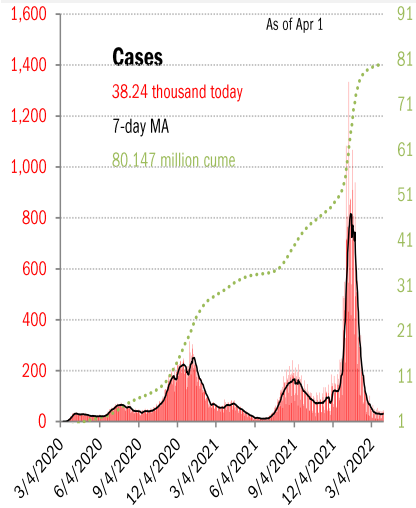
The demographics of US vaccination



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

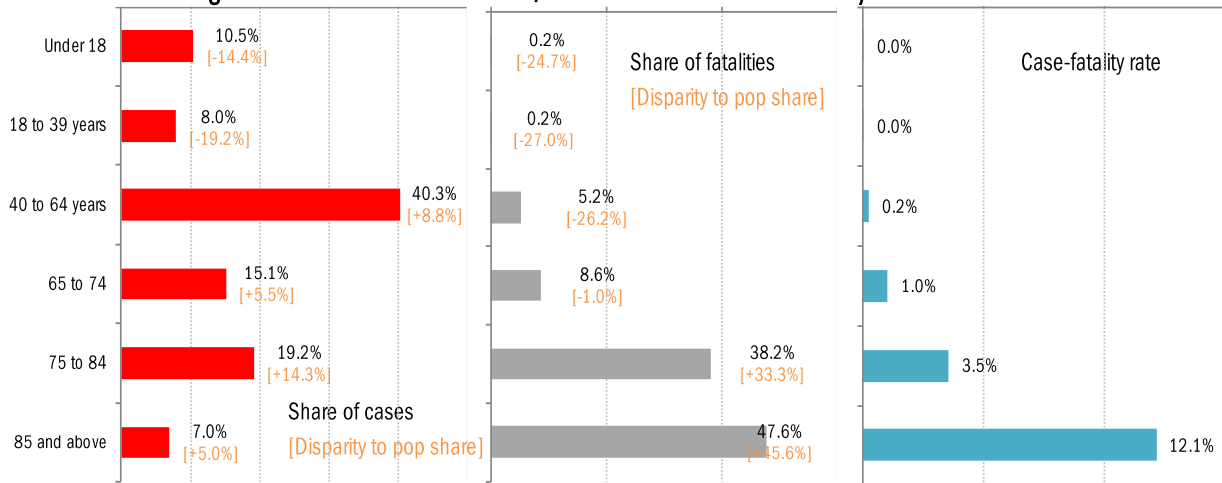
US deep-dive

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

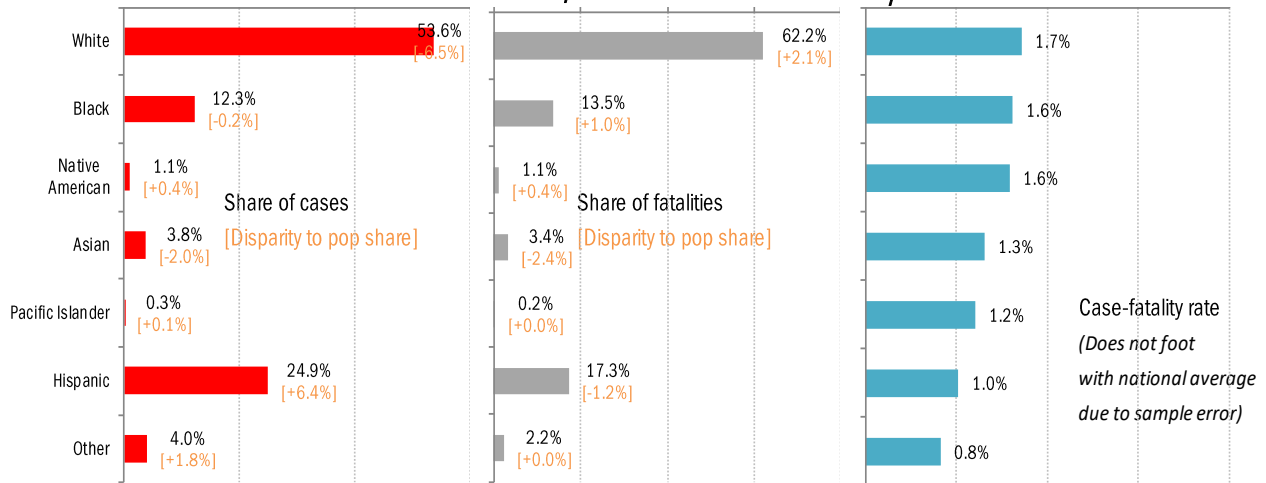


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

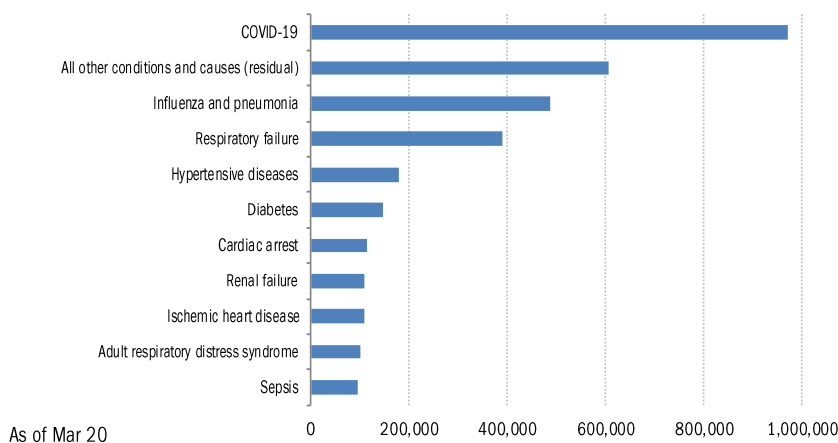


Racial distribution of US cases, fatalities and case-fatality rates



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.

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

Recommended reading

[The head of the C.I.A. tests positive and has mild symptoms.](#)

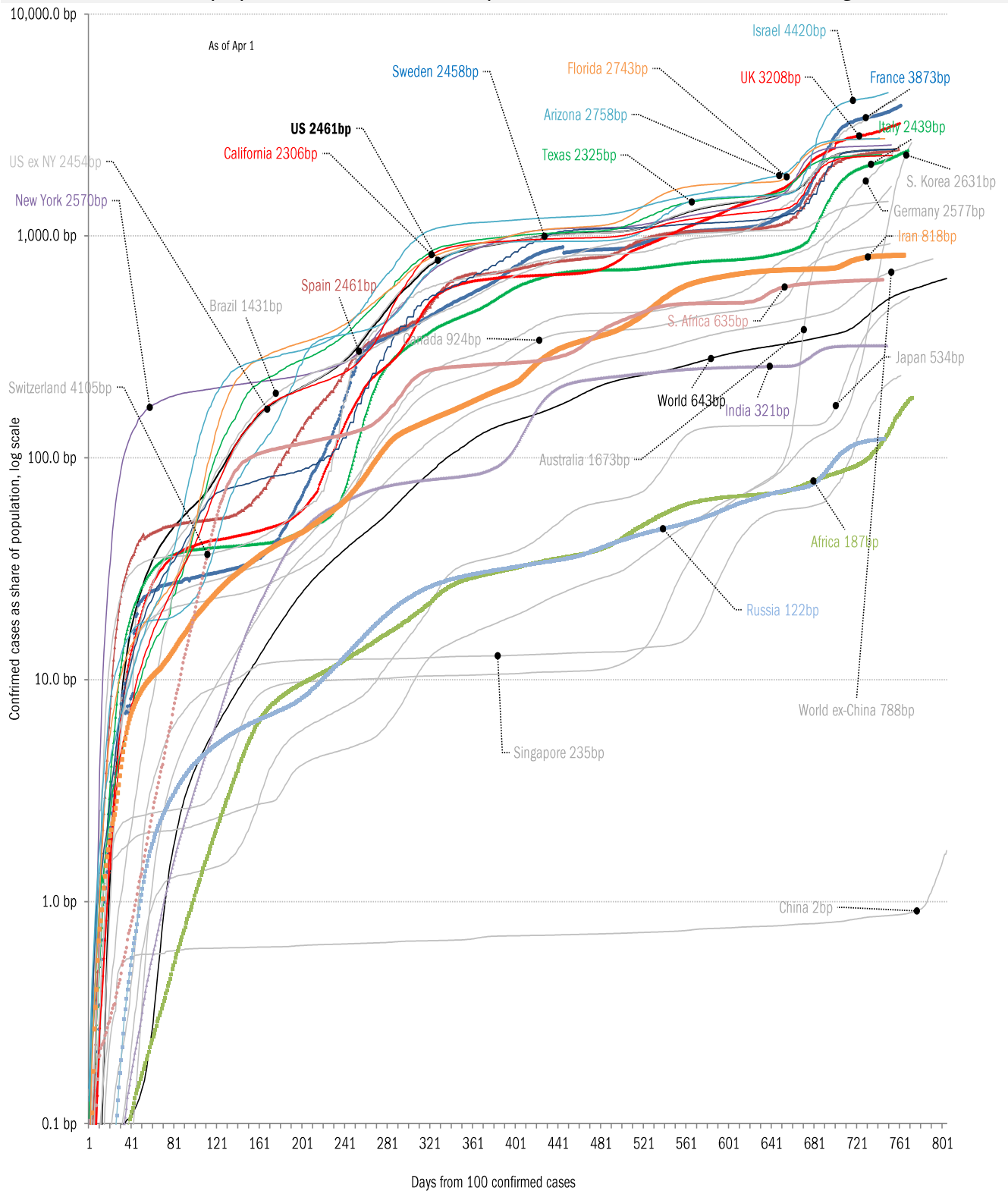
Julian E. Barnes
New York Times
March 31, 2022

Meme of the day



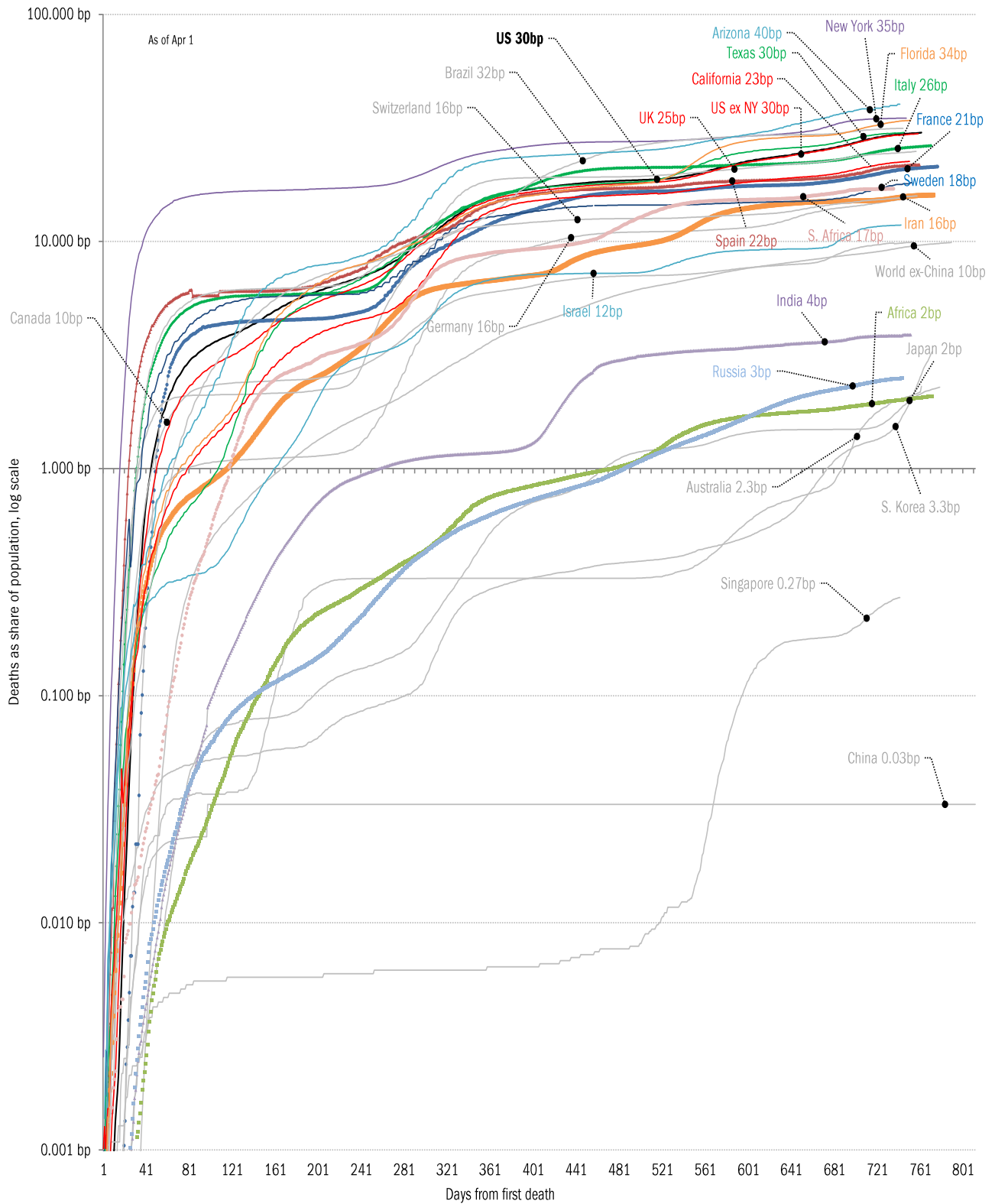
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

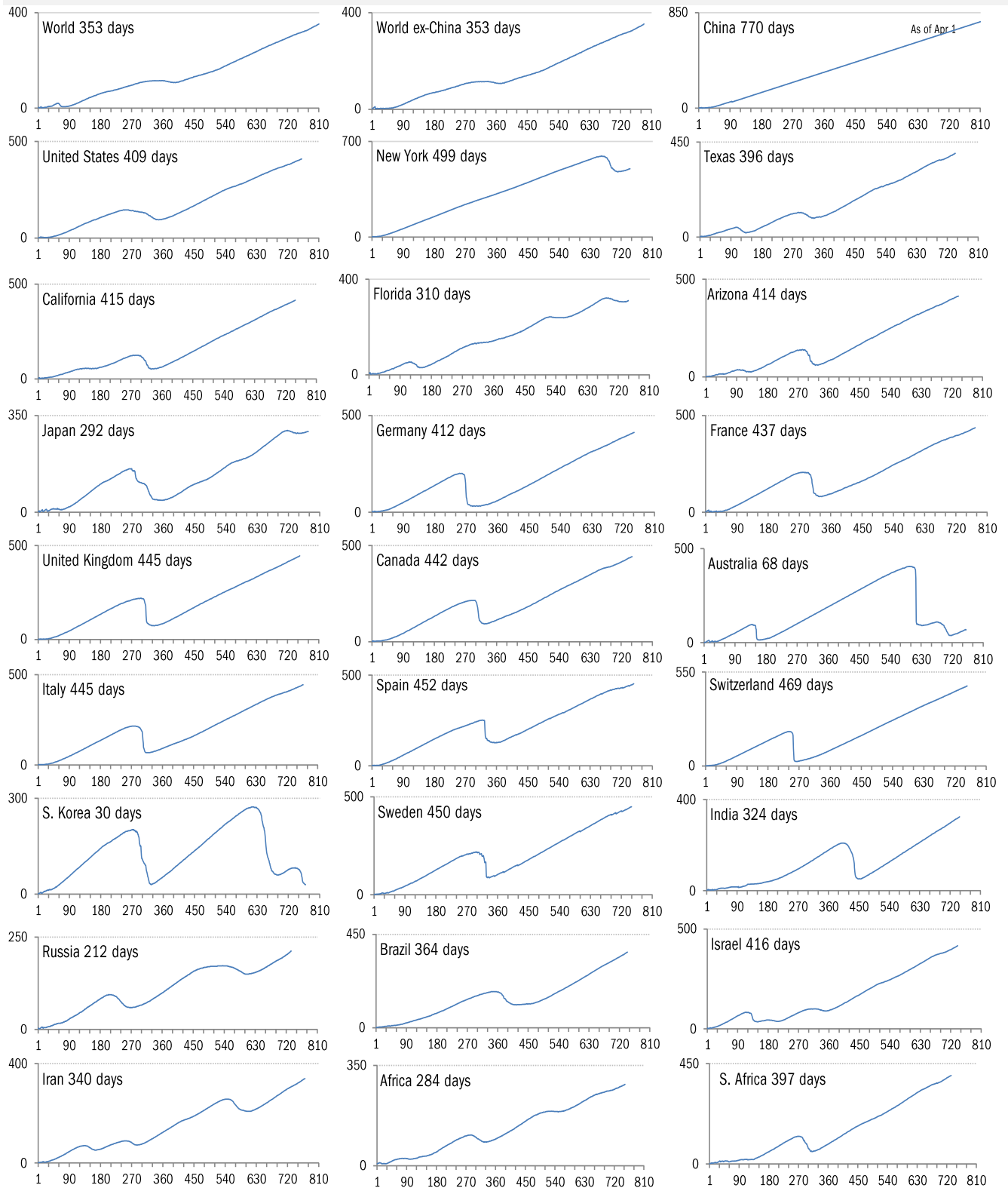


Source: [Johns Hopkins](#), TrendMacro calculations

"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

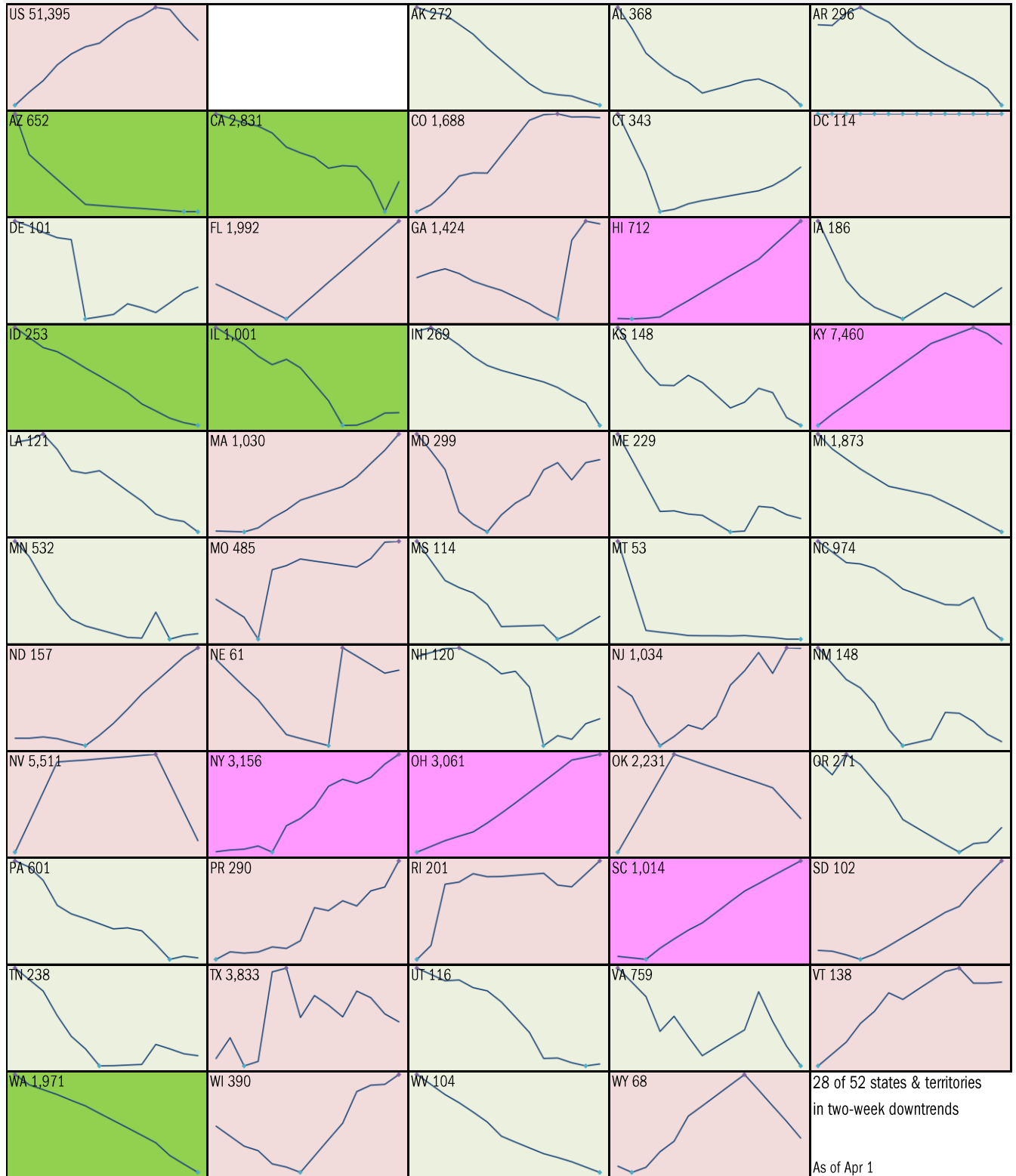


Source: [Johns Hopkins](#), TrendMacro calculations

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

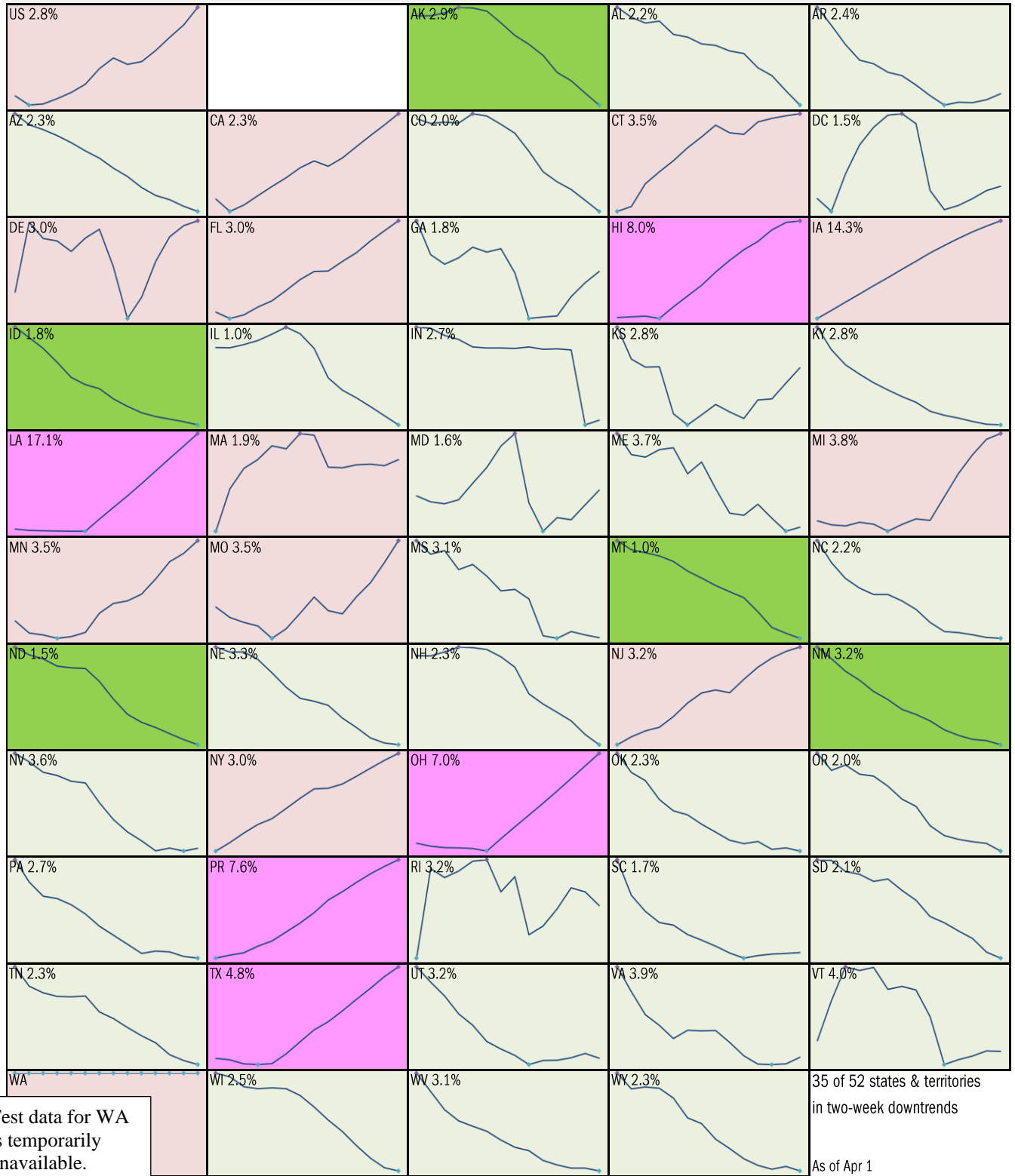


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

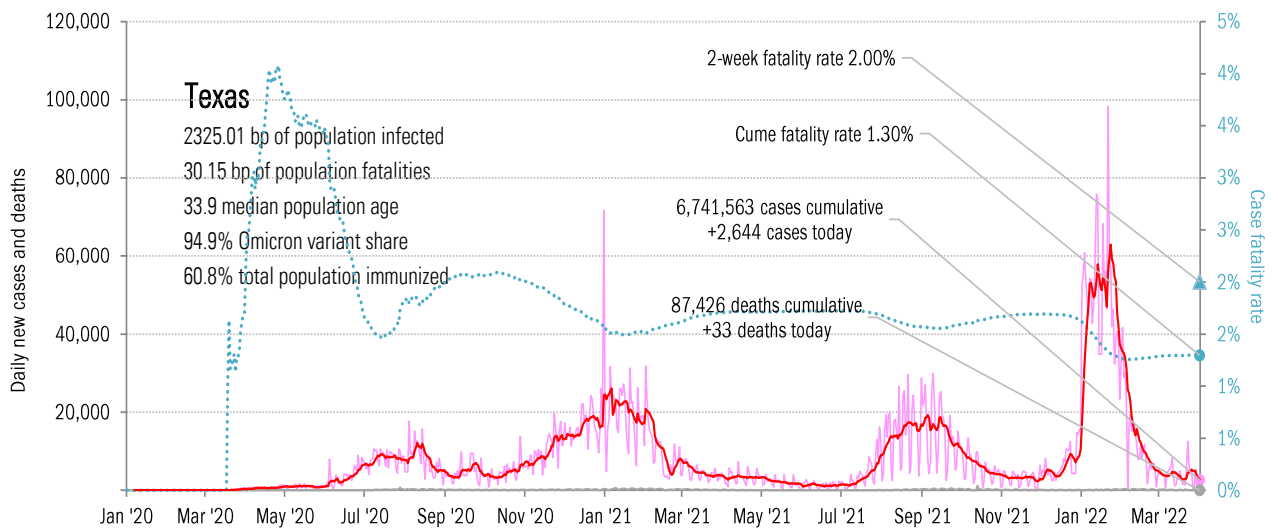
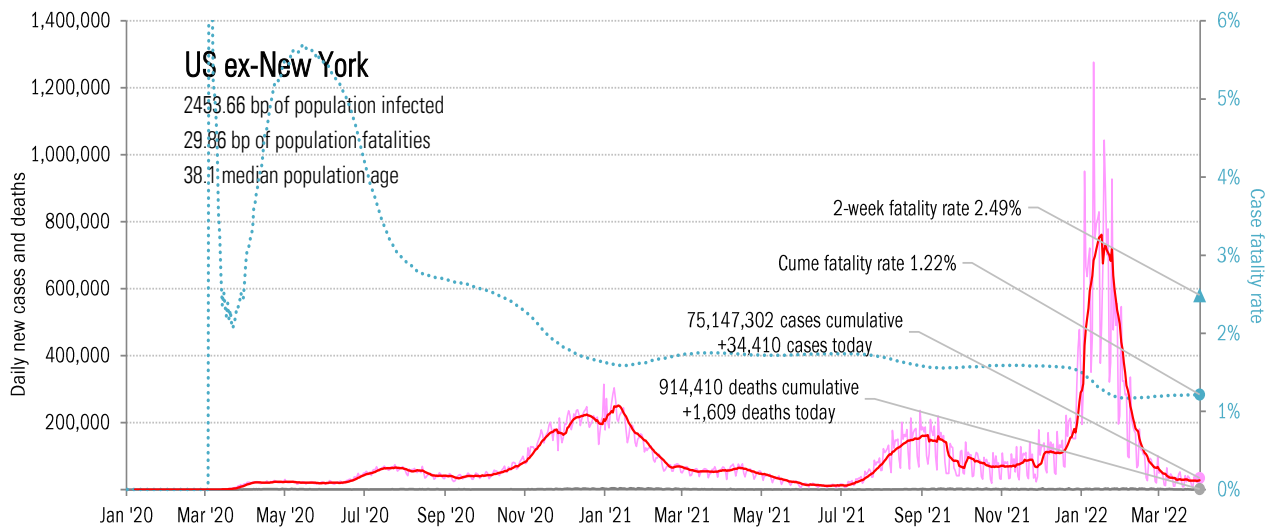
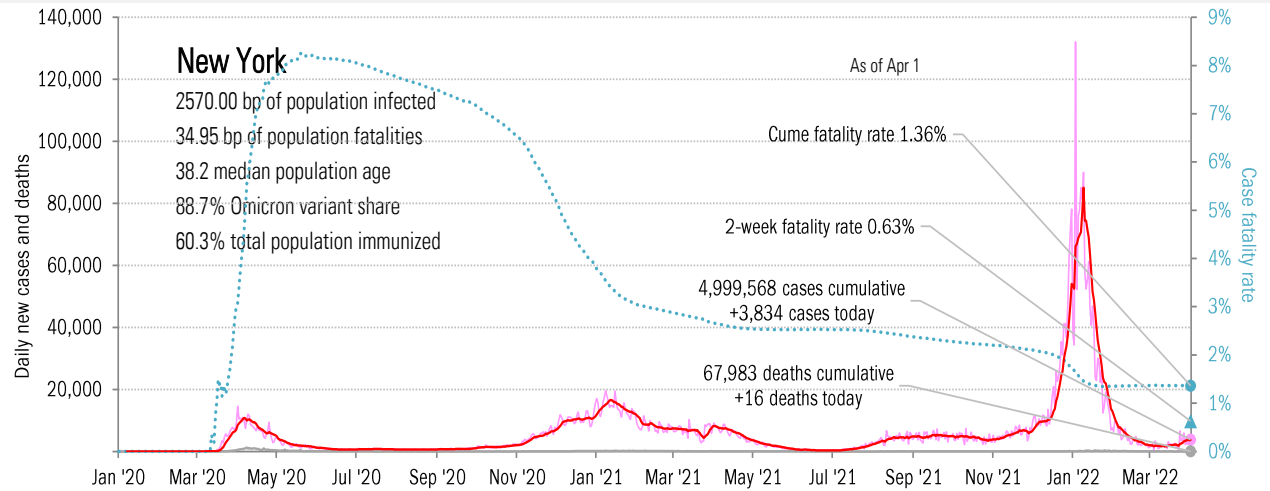
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

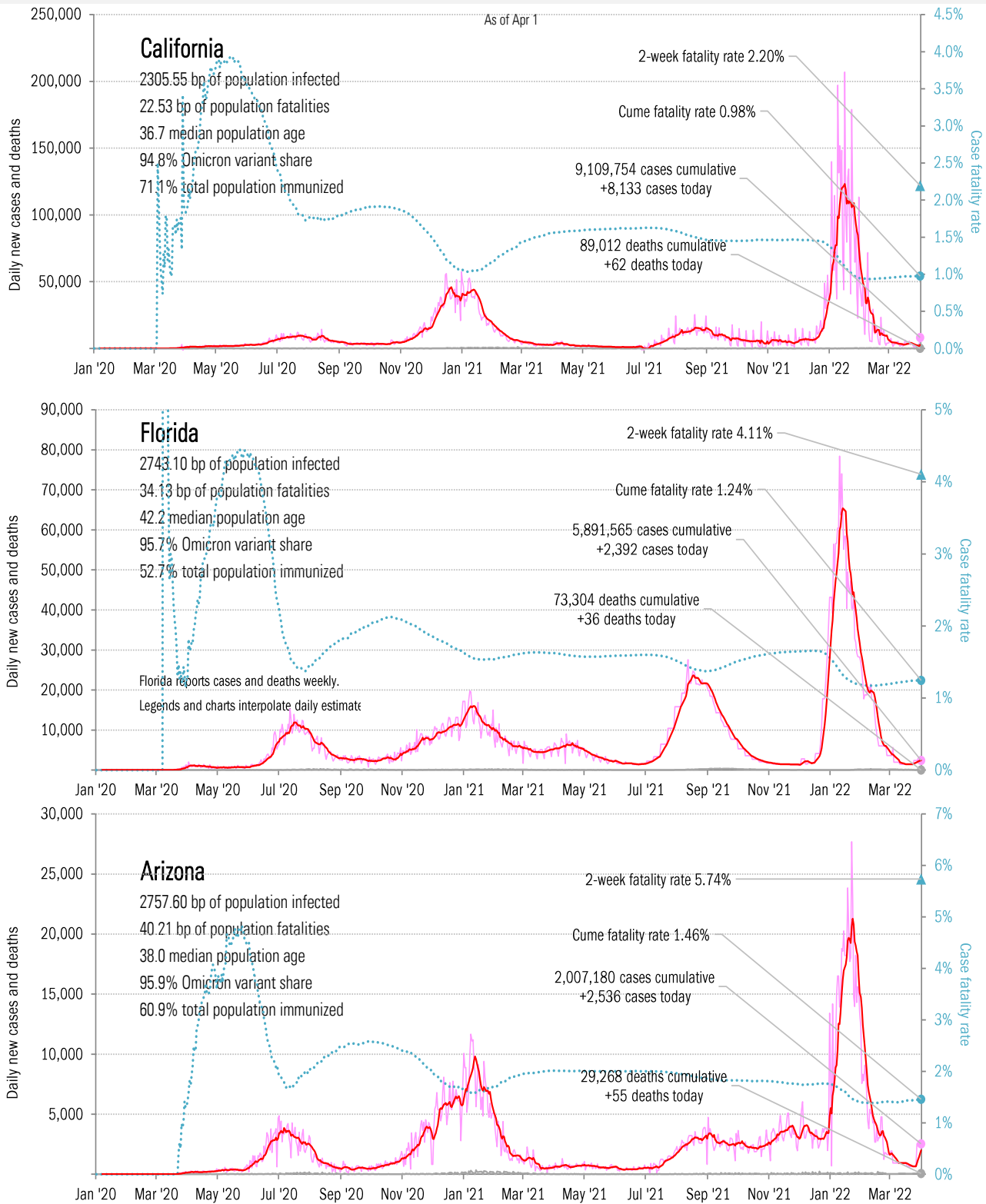
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

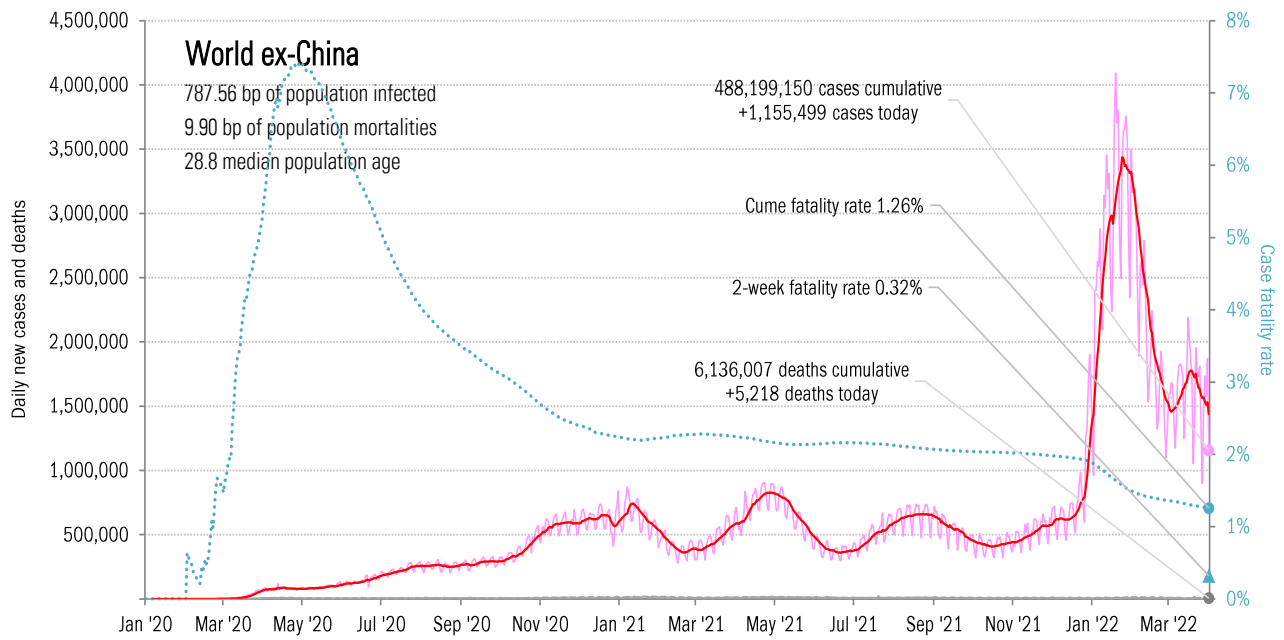
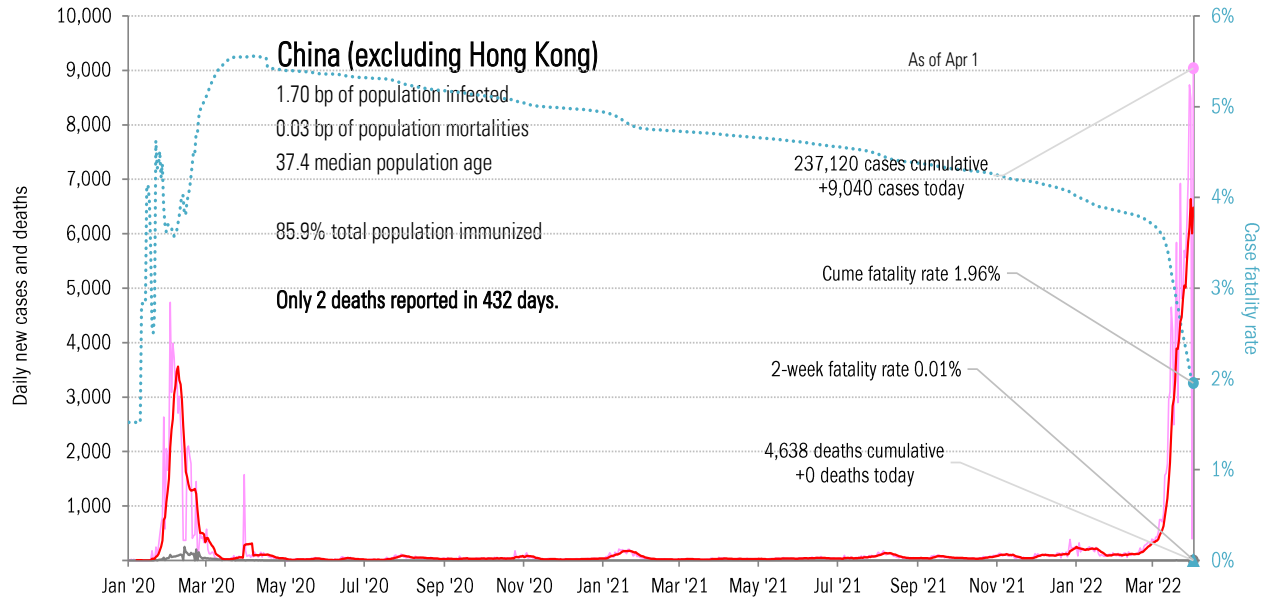
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

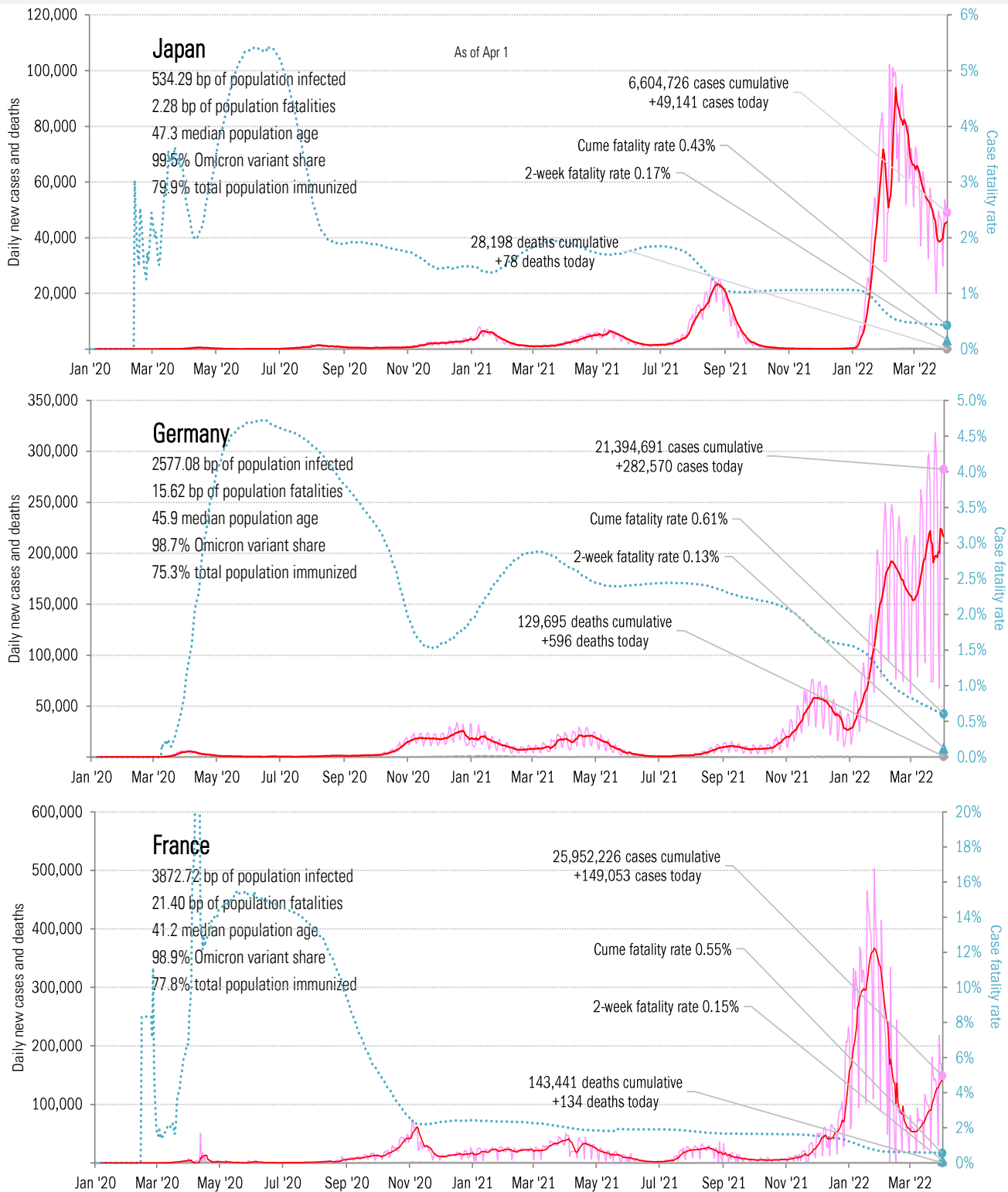
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

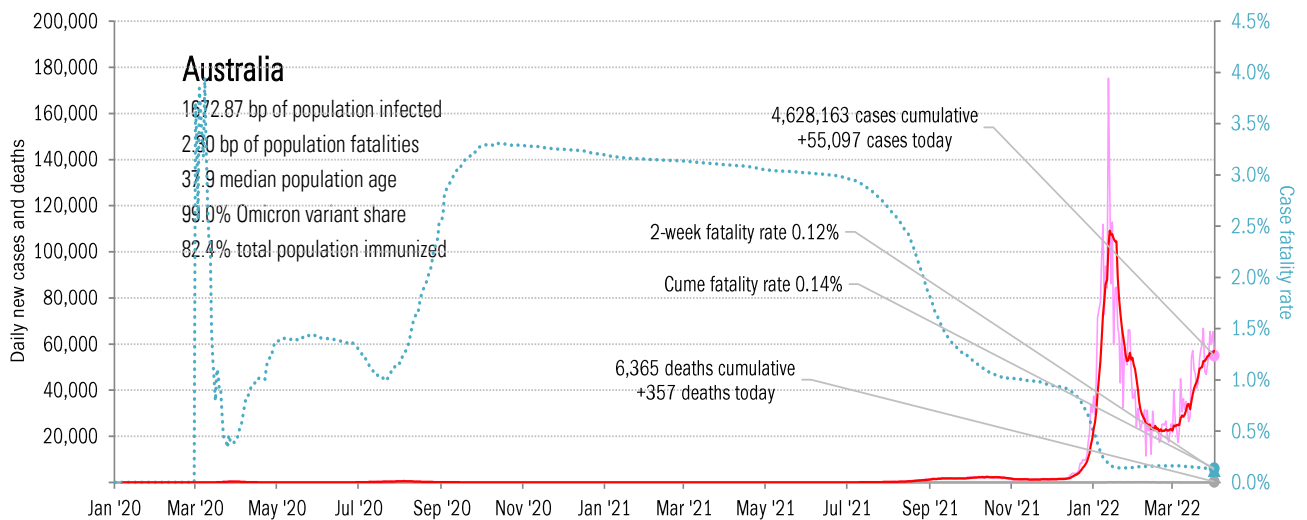
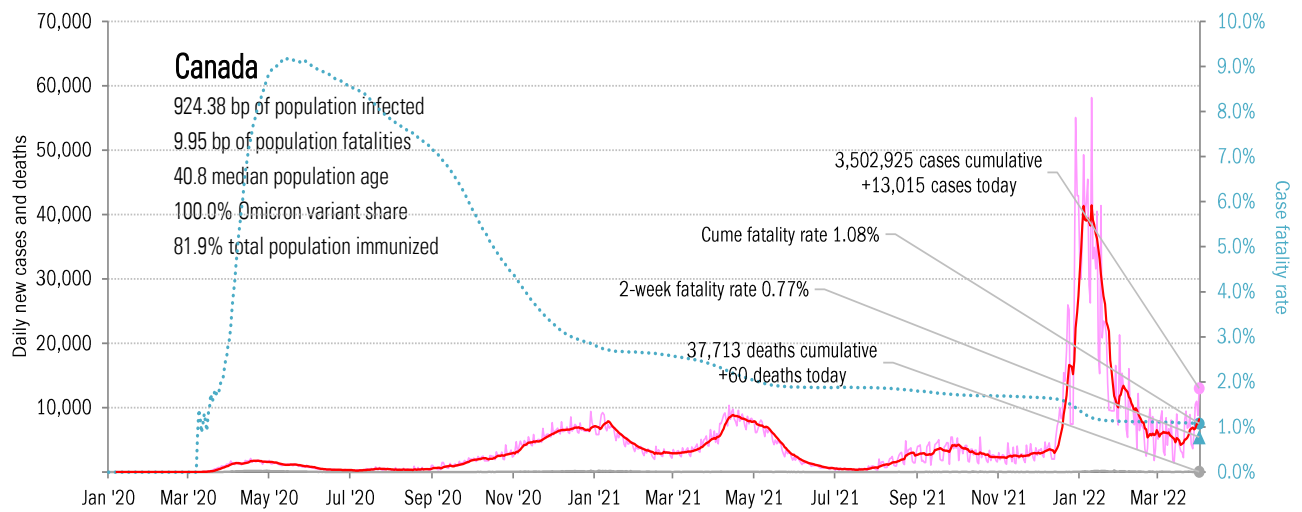
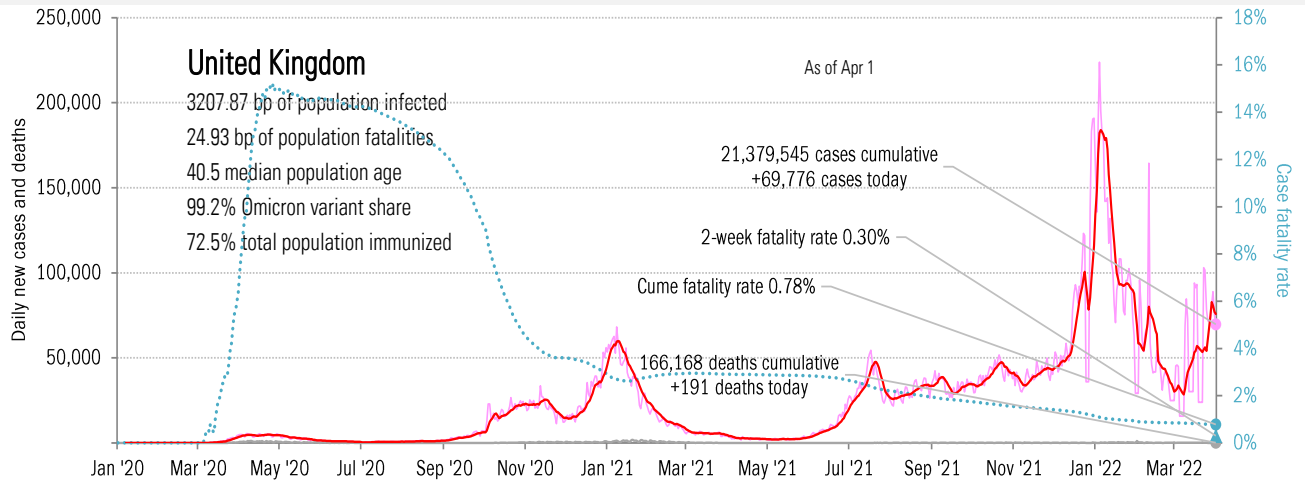
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

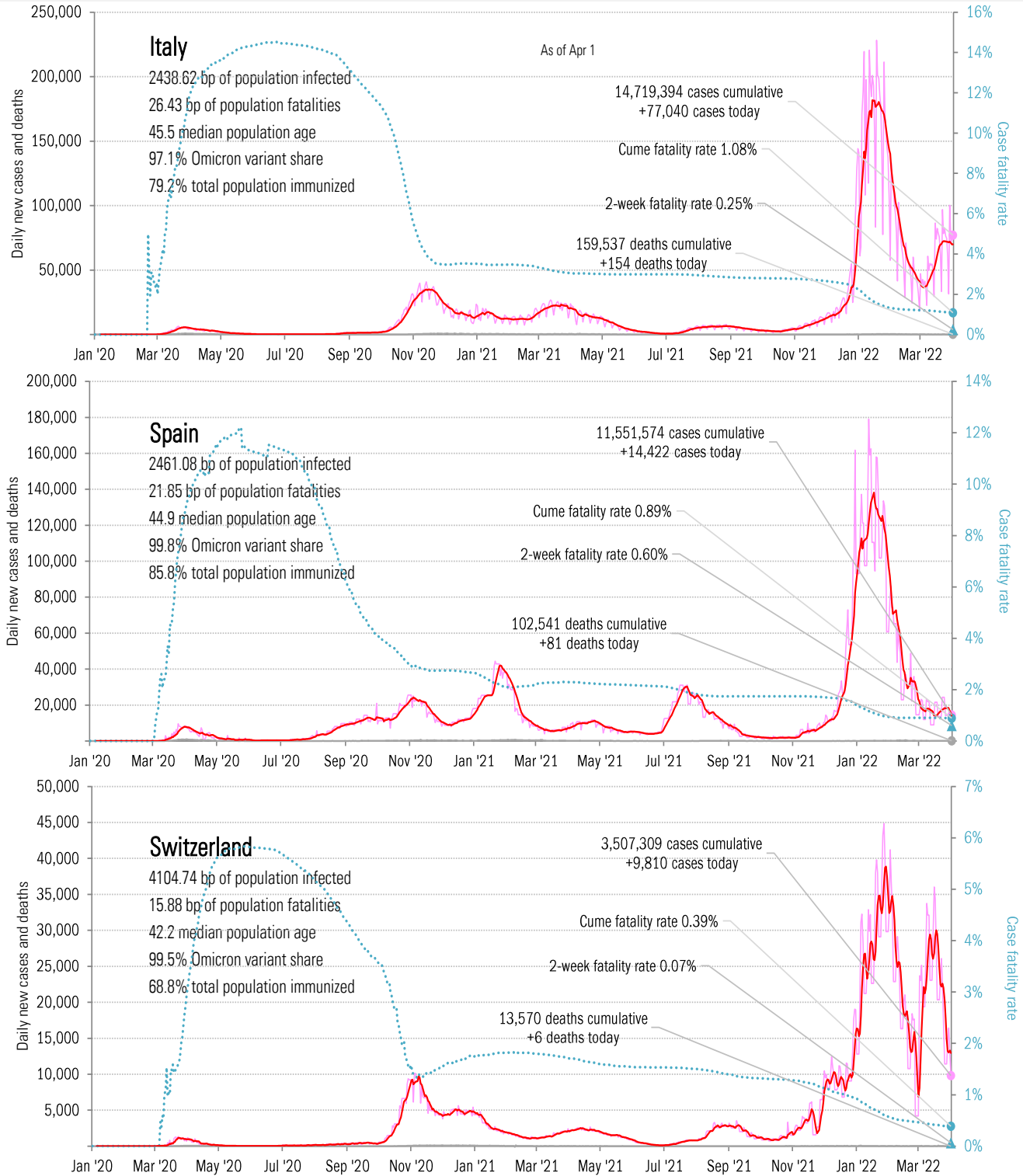
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

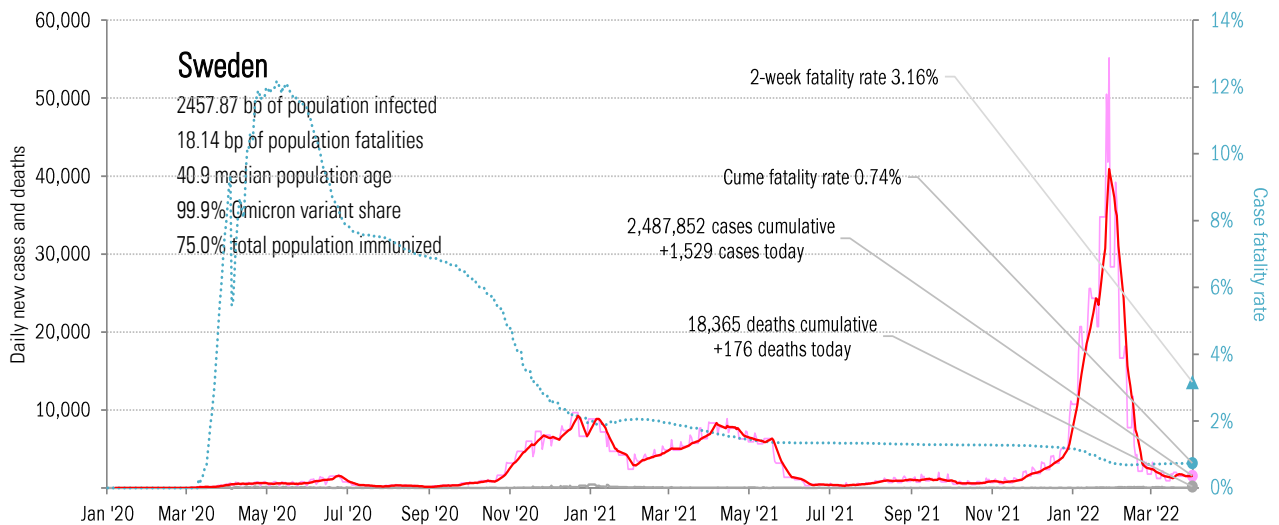
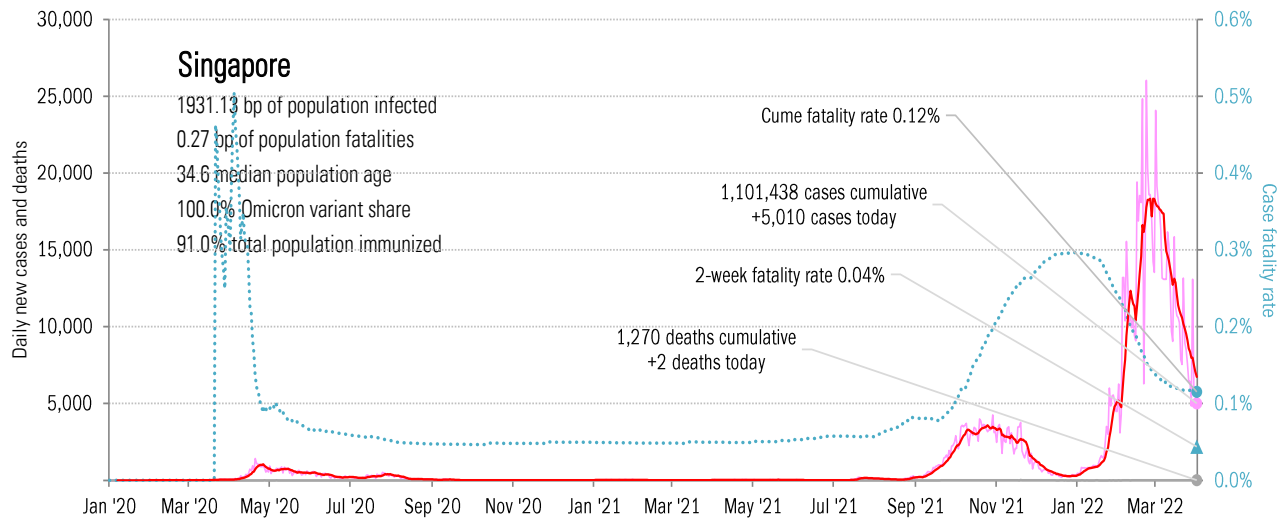
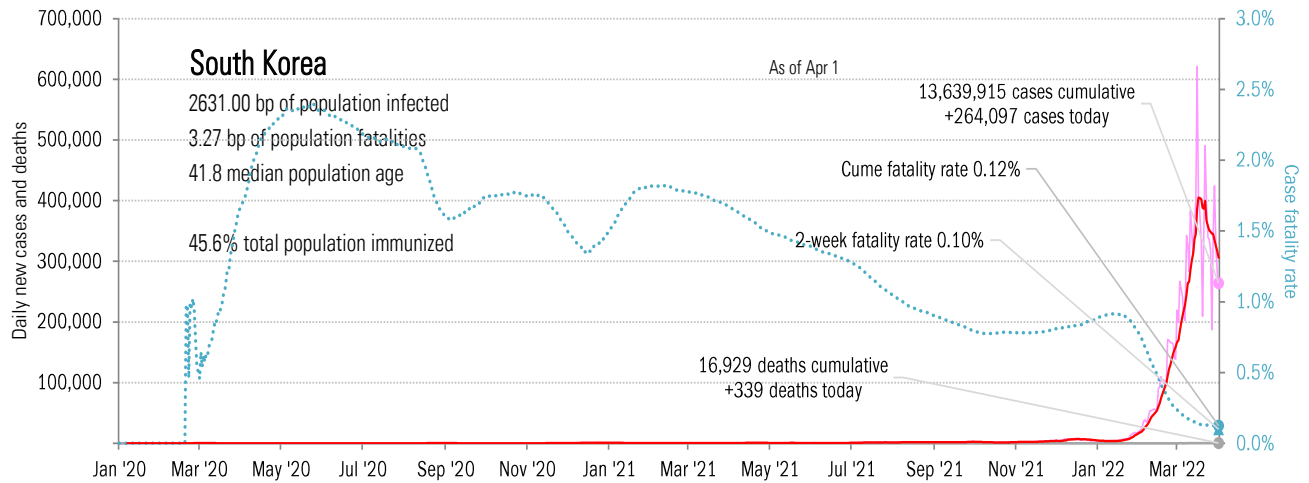
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

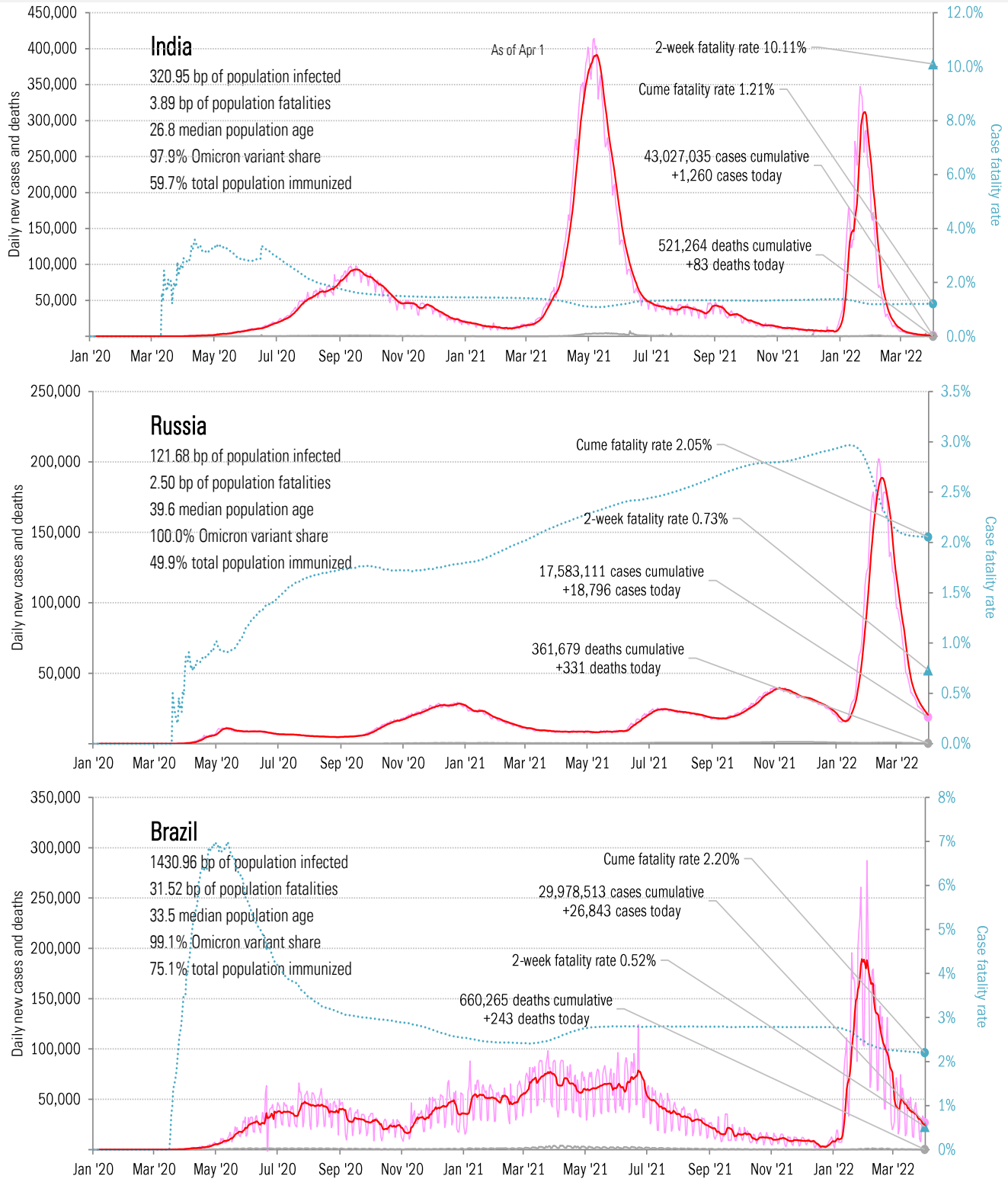
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

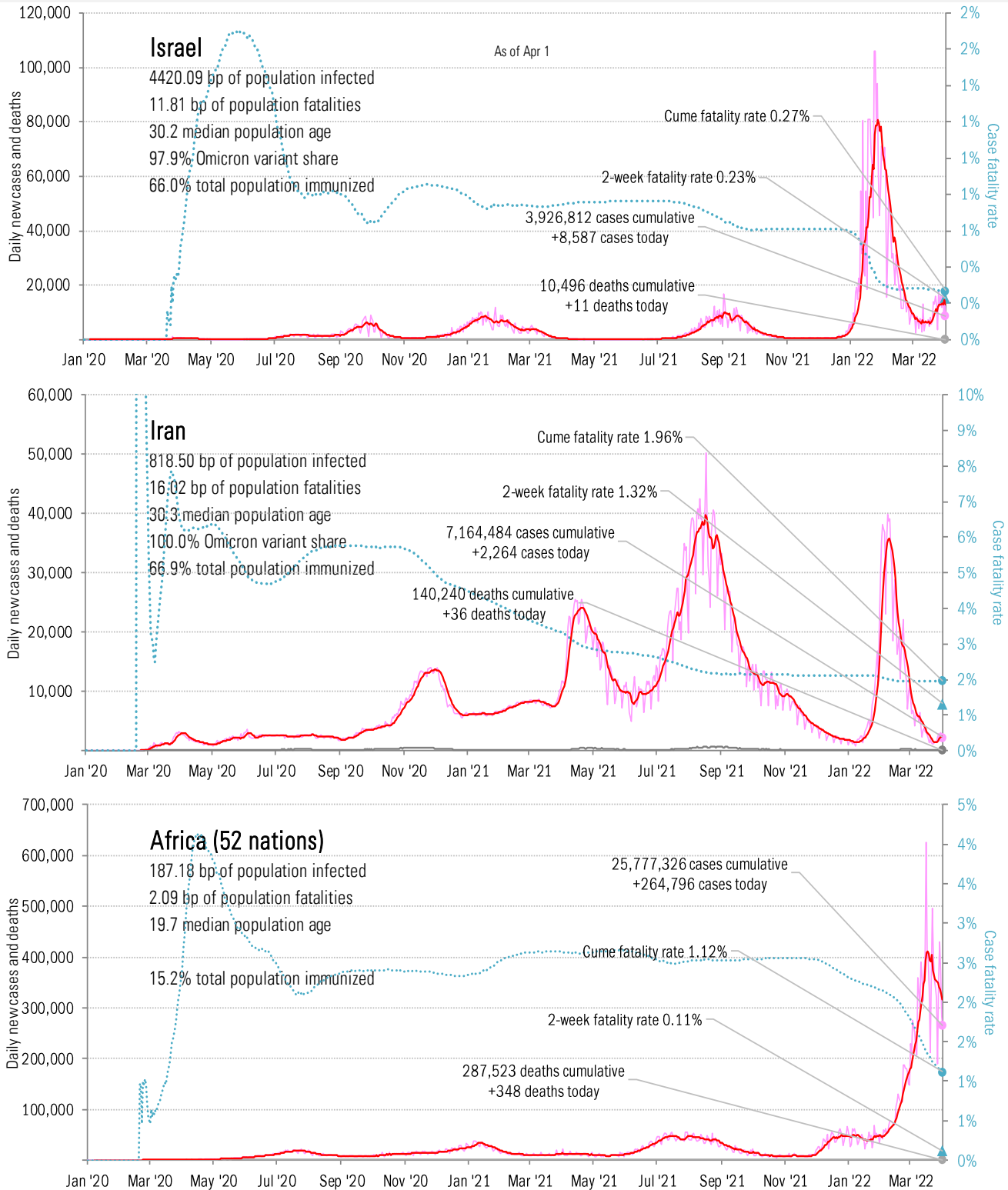
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

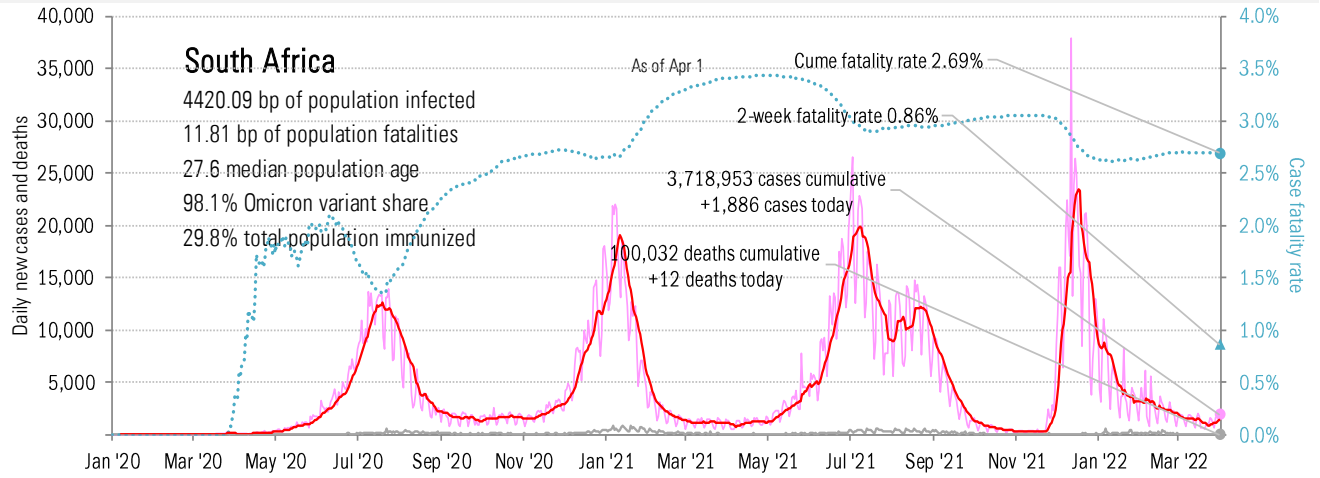
Cases: 7-day average and daily Deaths: Daily



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