

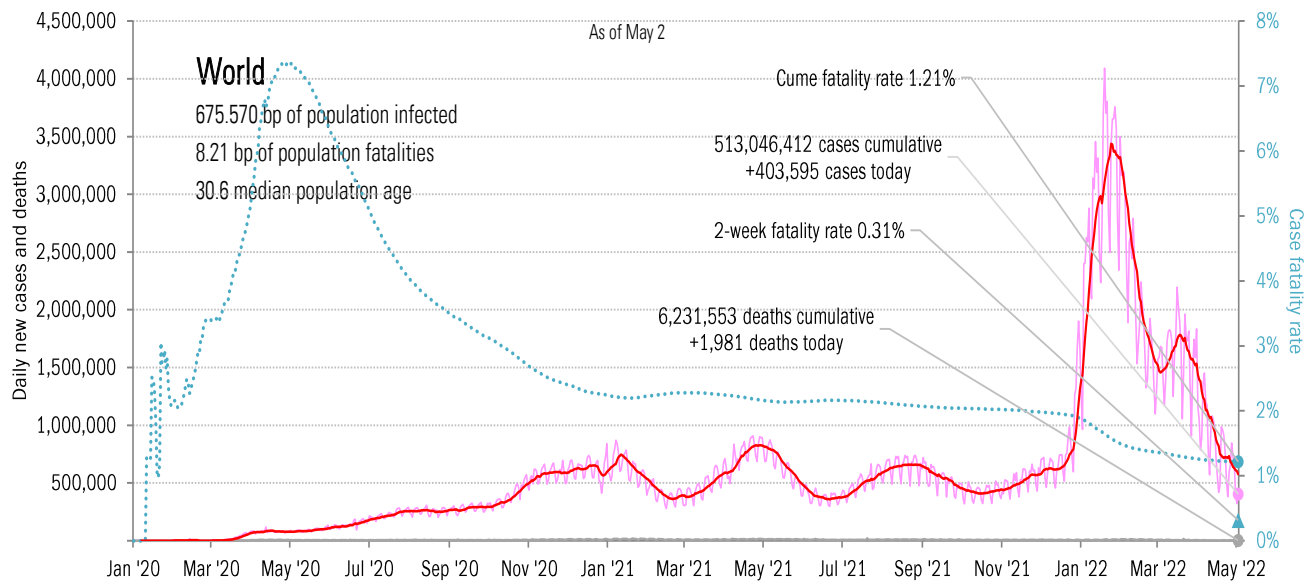
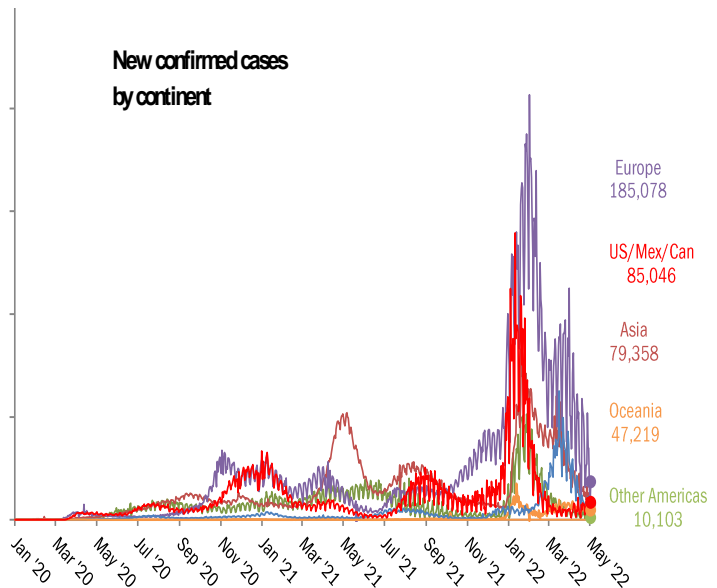
Data Insights: Covid-2019 Monitor

Tuesday, May 3, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	113,522	United States	477
United States	81,980	Germany	240
Korea, South	51,020	France	180
Australia	37,881	Thailand	161
China	19,991	Russia	132
Japan	19,258	Italy	124
Italy	19,068	Brazil	86
Thailand	19,052	Australia	66
Belgium	14,831	Hungary	65
New Zealand	9,315	Belgium	55
385,918		1,586	
World	403,595	World	1,981
Top ten	96%	Top ten	80%



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

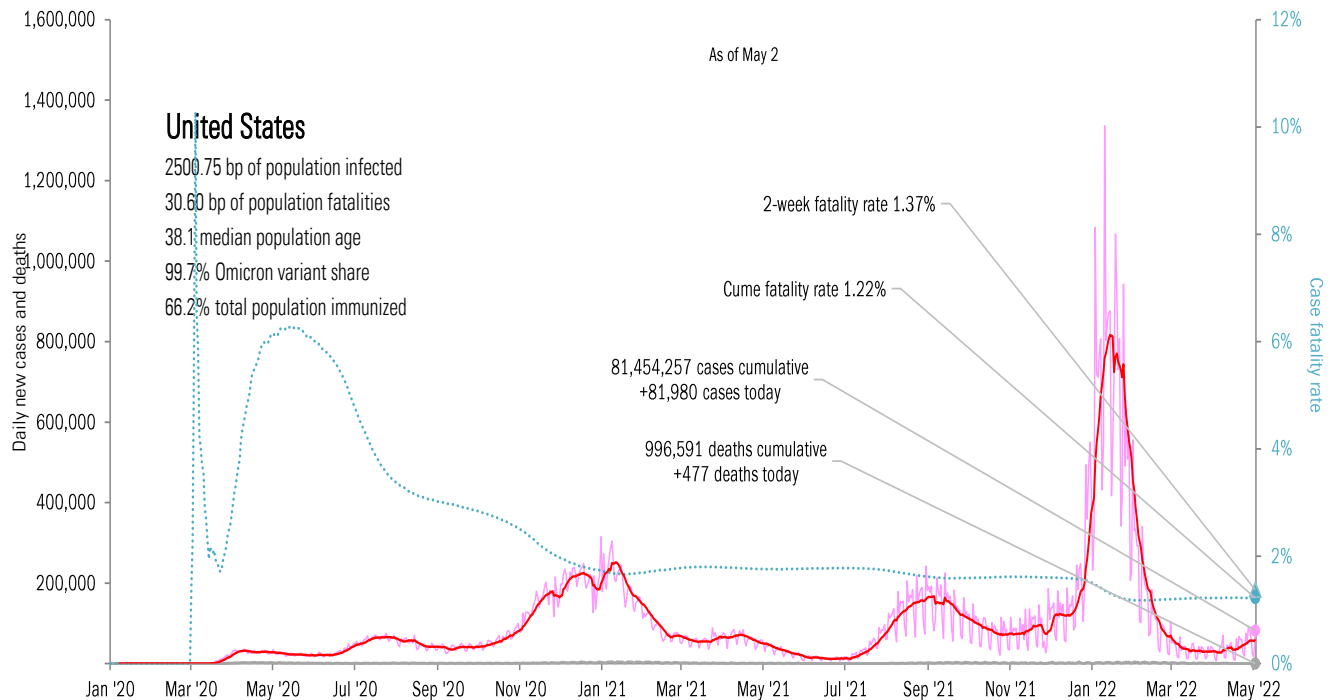
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
WA	12,169		FL	20		CA	172		CA	9,242,735		CA	90,340		TX	490,334		RI	90%	NM	82%
IL	8,985		MA	17		PA	84		TX	6,830,107		TX	88,113		CA	427,020		MA	85%	TX	82%
CA	8,430		NM	17		GA	44		FL	5,949,284		FL	74,113		FL	417,275		MN	84%	MA	80%
NY	8,136		NY	17		FL	152		NY	5,182,043		NY	68,371		NY	251,539		WA	83%	RI	80%
MA	6,751		AZ	14		WI	51		IL	3,147,667		PA	44,679		GA	207,761		DE	81%	KY	79%
VA	4,192		LA	14		CT	56		PA	2,823,133		CH	38,428		CH	192,069		GA	81%	WA	78%
WI	3,525		NJ	14		MO	22		CH	2,697,058		GA	37,806		PA	177,482		WV	81%	DE	77%
NJ	3,015		MT	13		LA	30		NC	2,659,255		IL	36,053		IL	158,699		MO	80%	AL	77%
TX	2,910		DE	12		MN	51		GA	2,515,139		MI	36,002		MI	142,843		PA	78%	NC	76%
FR	2,623		CA	11		MA	80		MI	2,425,946		NJ	33,444		KY	133,218		CT	78%	WV	76%
60,736			149			742			43,472,367			547,349			2,598,240						
All states	81,980		477			1,867			All states	81,454,257		996,591			4,717,489			All states	70%	67%	
Top ten	74%		31%			40%			Top ten	53%		55%			55%			Median	73%	69%	

Some states not reporting

Five most improved US states

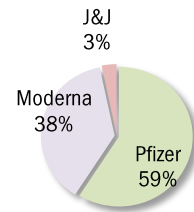
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	FL	-124	IL	-54	CA	+10 bp
AZ	-2,692	FR	-3	NJ	-45	MN	+10 bp
FR	-2,578	AR	-1	MI	-28	WI	+10 bp
SC	-2	AK	0	CO	-27	AK	+0 bp
AK	0	AS	0	AZ	-26	AL	+0 bp



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	591,684,409		+0.128 million	US	66.2%	77.6%
Boosters	102,027,563		+0.027 million	UK	72.9%	78.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,519,593	79%	226,078,622	68%	+0.024 million	Spain 86.5% 88.1%
Age 12 to 17	17,724,846	70%	15,116,438	60%	+0.001 million	Germany 76.8% 76.9%
Age 18 to 64	178,569,532	88%	151,466,423	74%	+0.016 million	Italy 79.4% 84.1%
Age 65 and over	58,915,743	100%	51,195,275	93%	+0.005 million	Australia 83.5% 86.4%



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

Israel	66.0%	72.2%
Canada	82.3%	87.3%
Japan	80.6%	81.9%
Africa	16.6%	22.0%
India	61.8%	72.0%
Brazil	76.7%	85.4%
China	86.5%	89.0%

Global data differs due to sources, timing

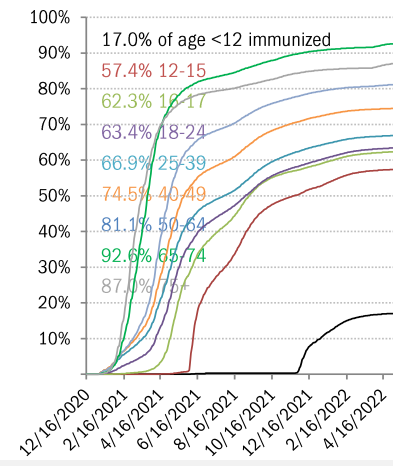
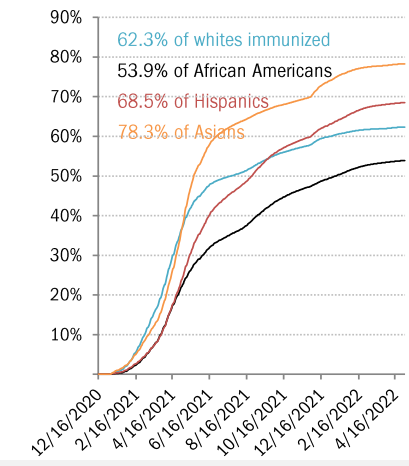
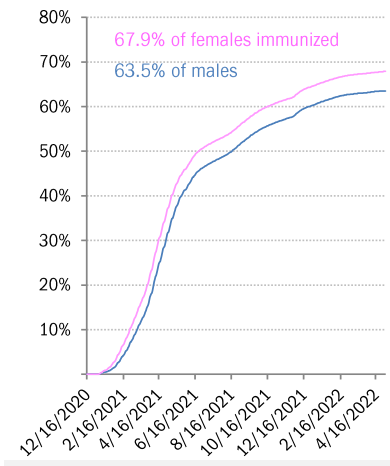
AK
69.8%
62.3%

Immunity = two doses

As of May 2

					WI					ME
					71.8%					90.5%
					65.6%					79.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.8%	61.1%	65.2%	64.9%	75.1%	76.7%	67.0%		90.2%	93.5%	88.1%
72.6%	54.1%	56.7%	54.9%	69.2%	68.8%	60.2%		76.9%	81.2%	70.3%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.9%	75.3%	58.8%	76.5%	67.9%	61.4%	63.6%	84.9%	90.4%	95.0%	
69.6%	60.8%	51.6%	61.4%	61.9%	54.8%	58.4%	68.4%	75.6%	79.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.8%	72.1%	79.4%	70.3%	66.2%	66.2%	65.0%	85.7%	86.5%	95.0%	95.0%
72.1%	64.3%	70.2%	63.6%	56.1%	57.4%	57.6%	73.2%	75.6%	79.2%	82.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	73.1%	87.7%	74.5%	66.7%	62.2%	84.2%	67.3%	95.0%	83.1%	
	61.6%	71.1%	61.4%	54.4%	54.5%	61.1%	56.7%	77.5%	69.1%	
			OK	LA	MS	AL	GA			
			71.1%	61.0%	59.6%	62.7%	65.3%			
			57.2%	53.5%	51.8%	51.1%	54.7%			
			TX					FL		PR
			73.1%					79.3%		94.9%
			61.4%					67.0%		83.0%

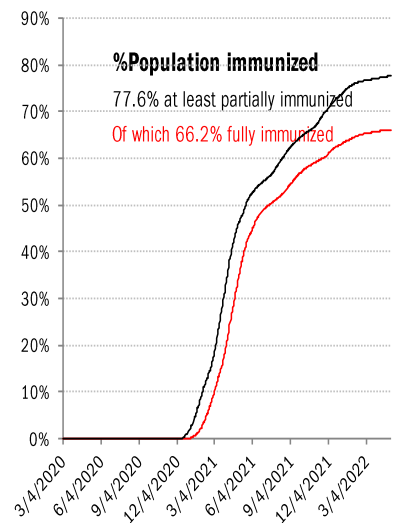
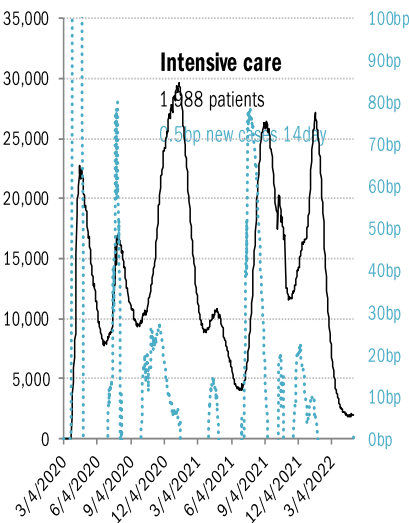
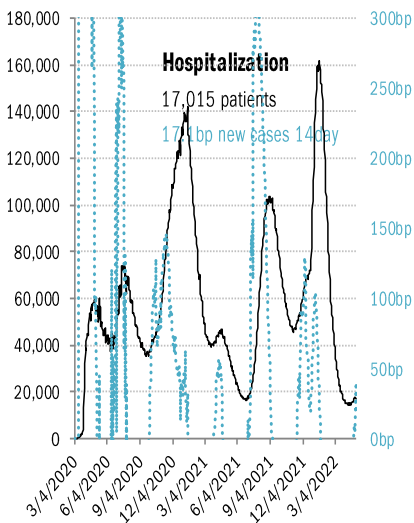
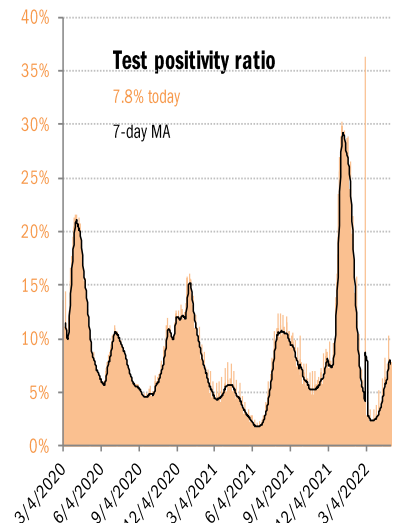
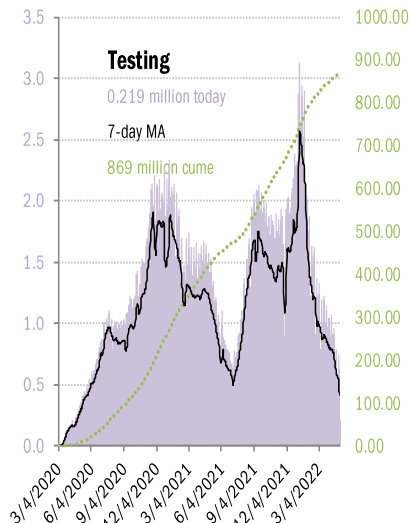
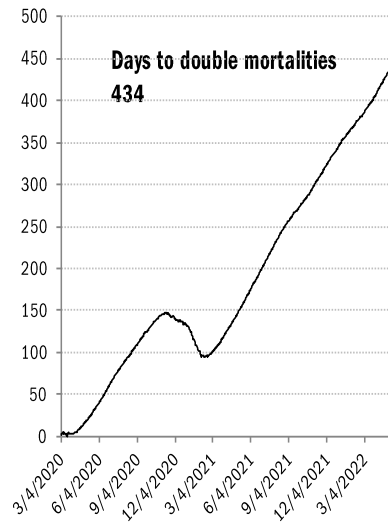
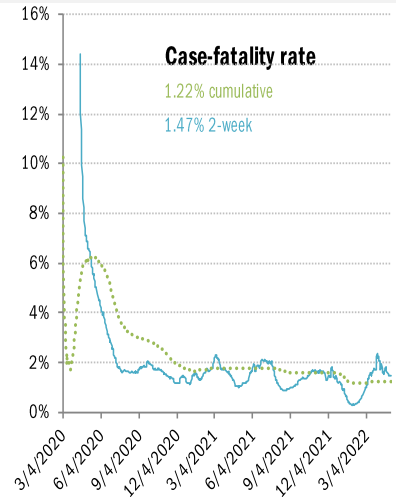
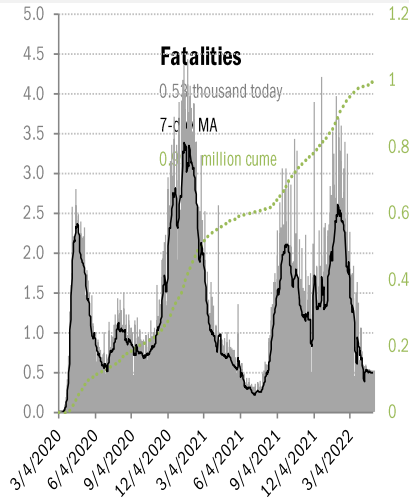
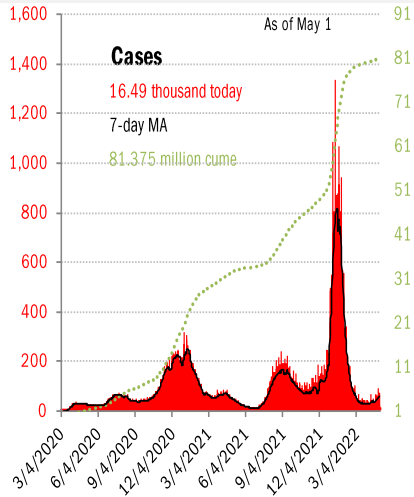
The demographics of US vaccination



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

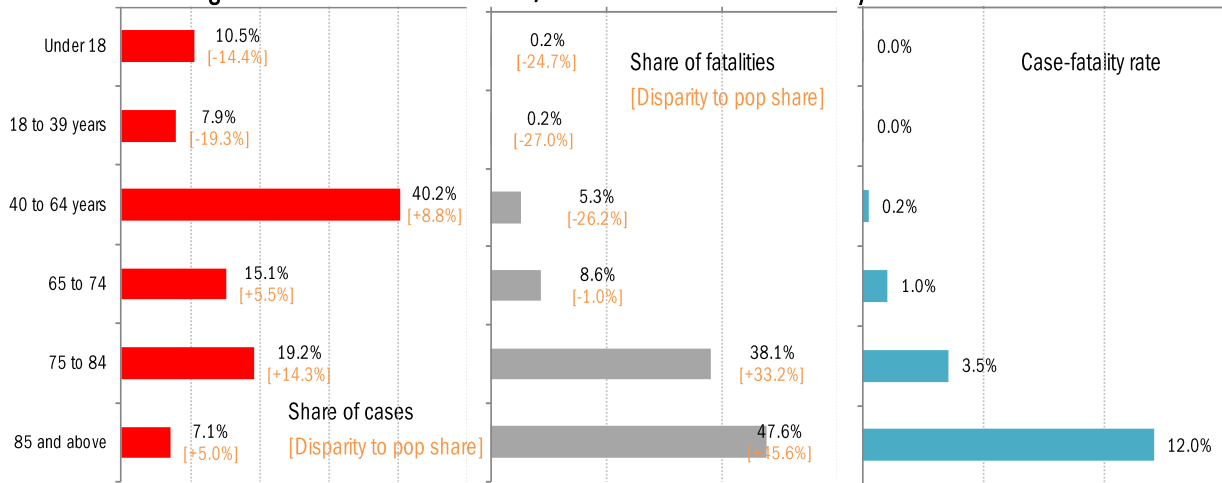
US deep-dive

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

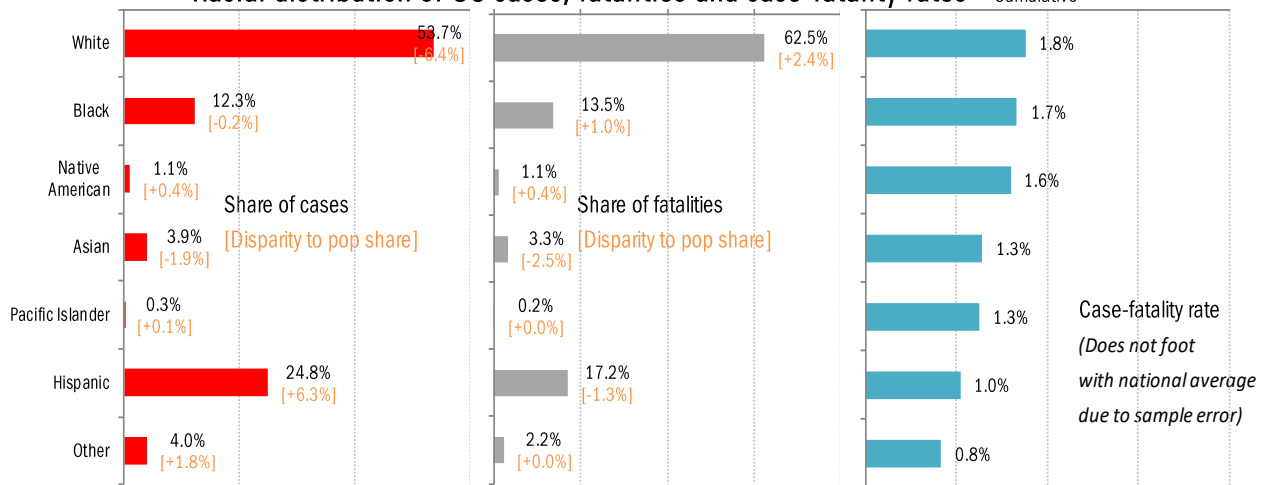


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

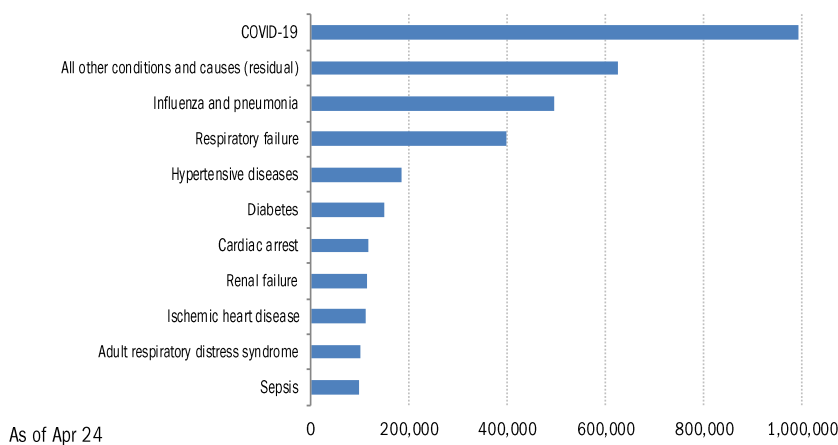


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Why Nasal Sprays Are Poised to Be the Next Weapon for Fighting Covid](#)

Tim Loh

Bloomberg

April 25, 2022

[Anthony Fauci Thinks Scientific Expertise Trumps the Rule of Law](#)

Jacob Sullum

Reason

April 27, 2022

[Taking Ukraine Hostage to Covid](#)

Wall Street Journal

May 2, 2022

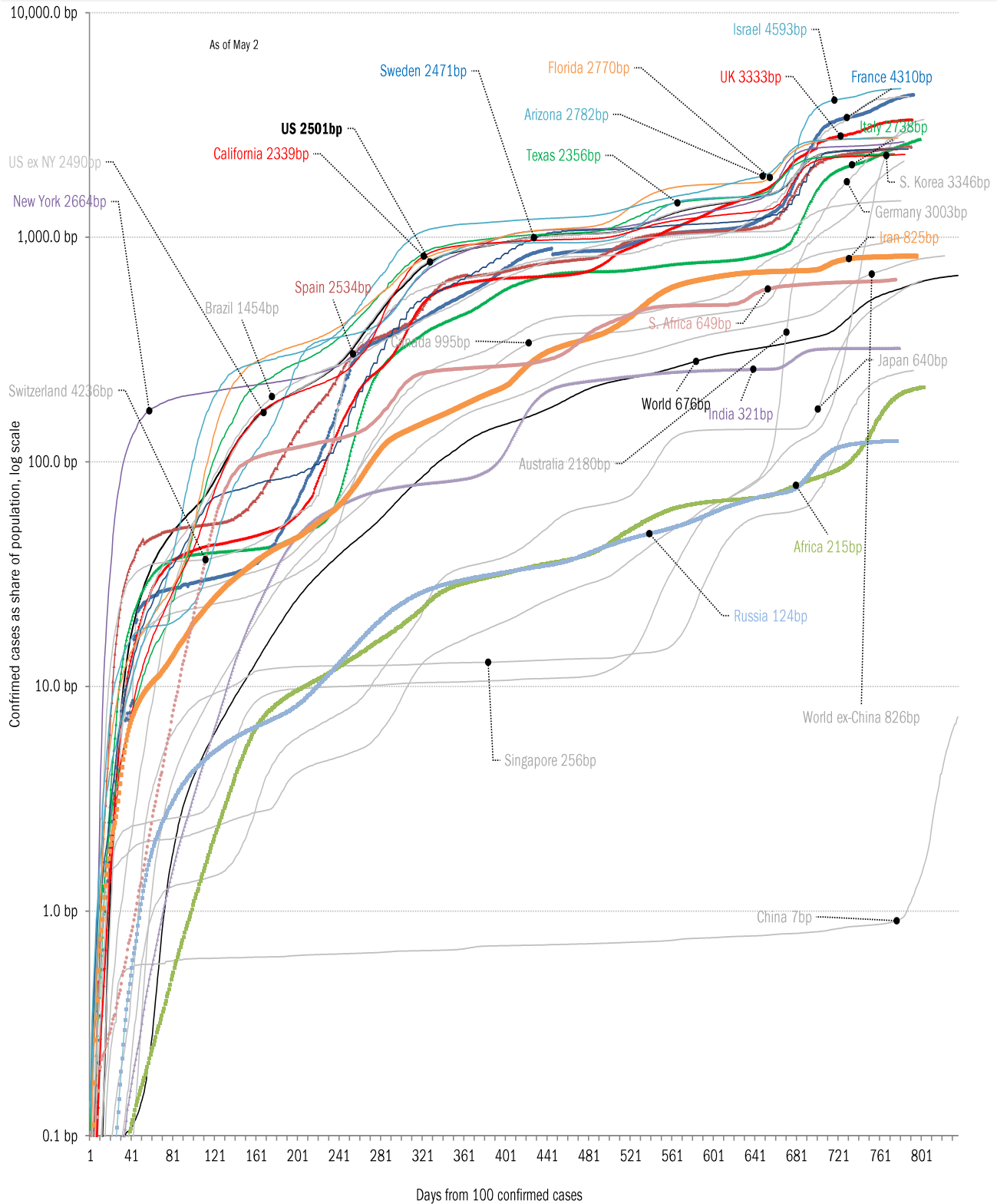
Meme of the day



'1984' Prequel Released Where People Beg Big Brother To Take Away Their Rights To Protect Them From Virus

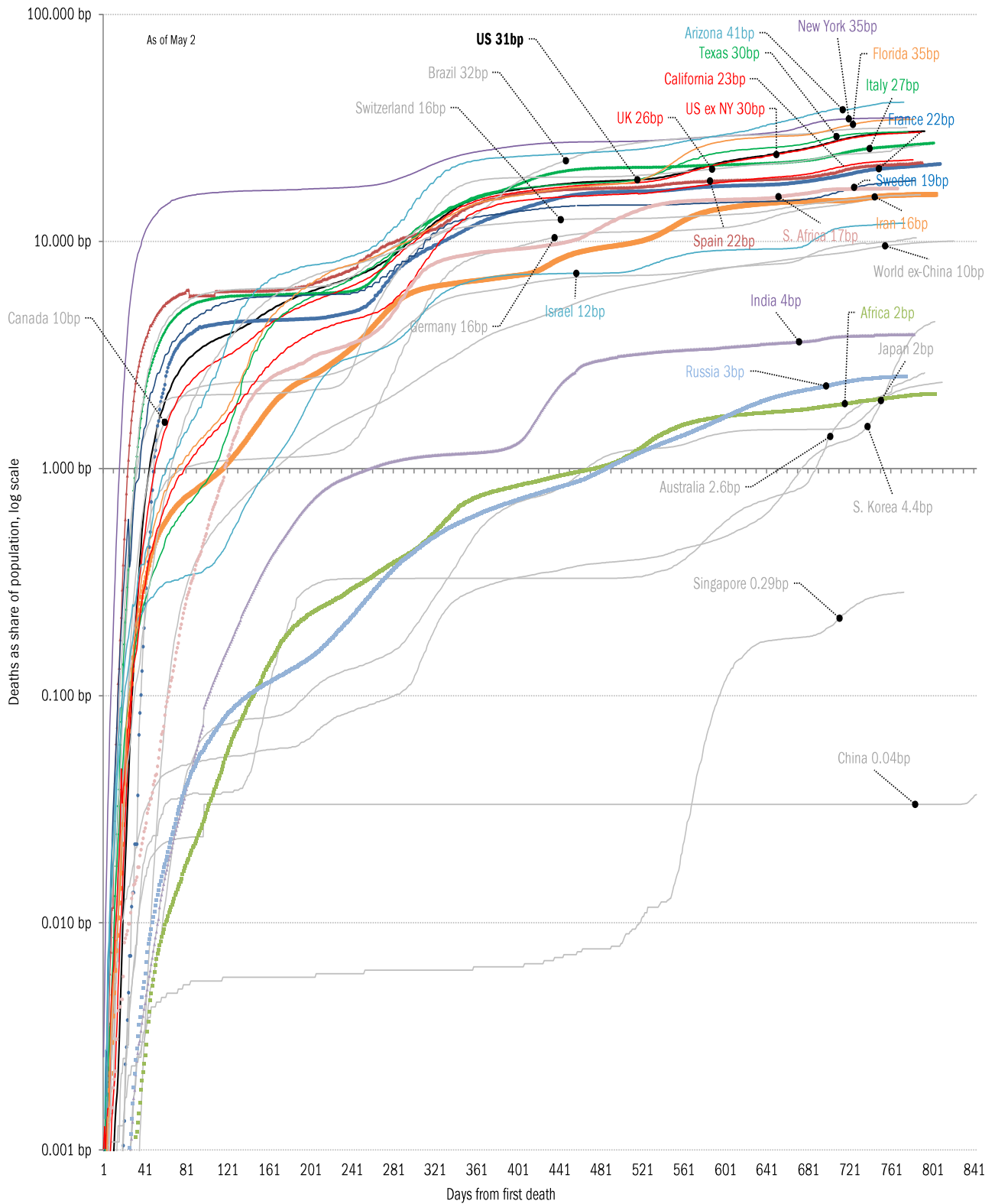
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

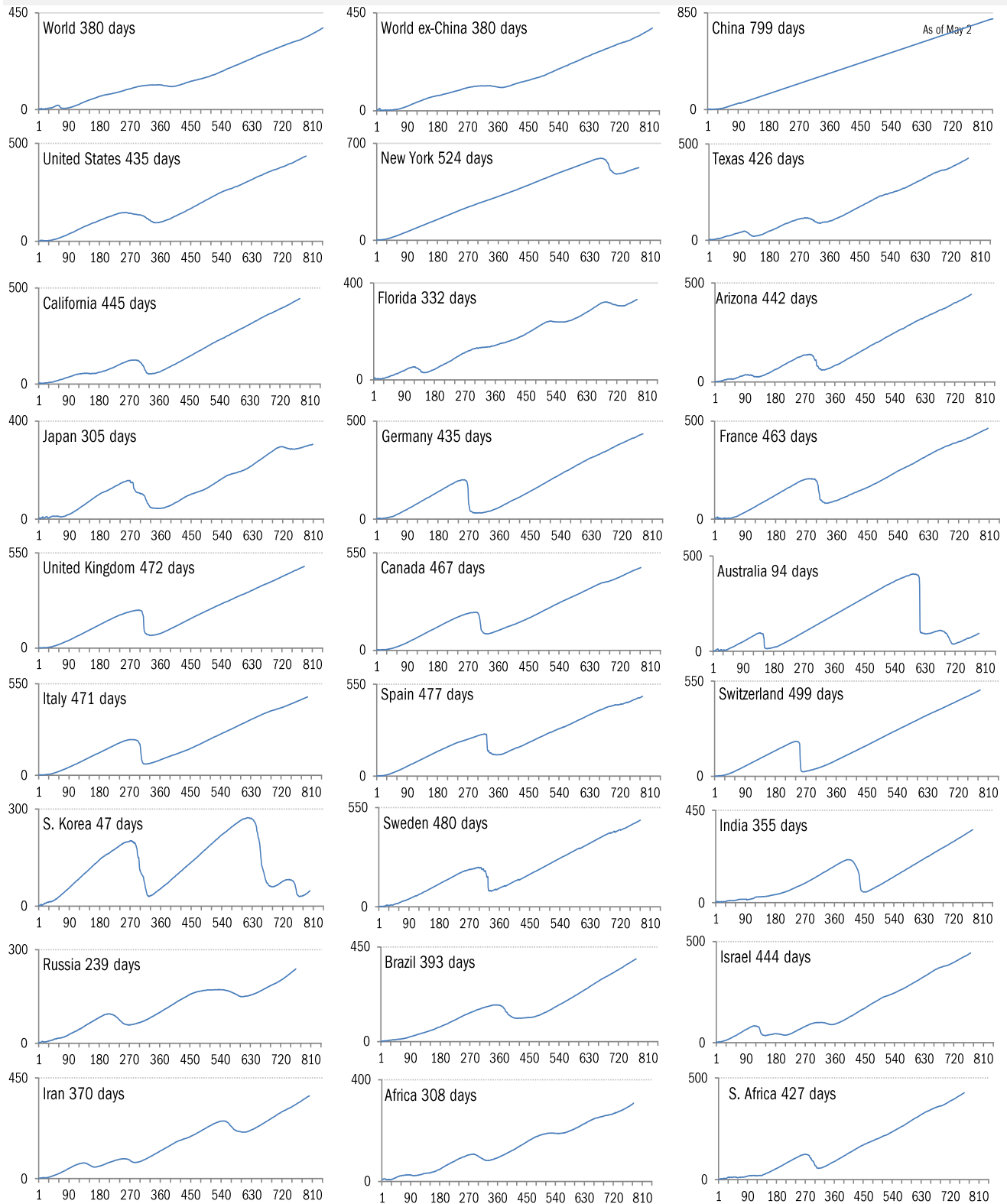


Source: [Johns Hopkins](#), TrendMacro calculations

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

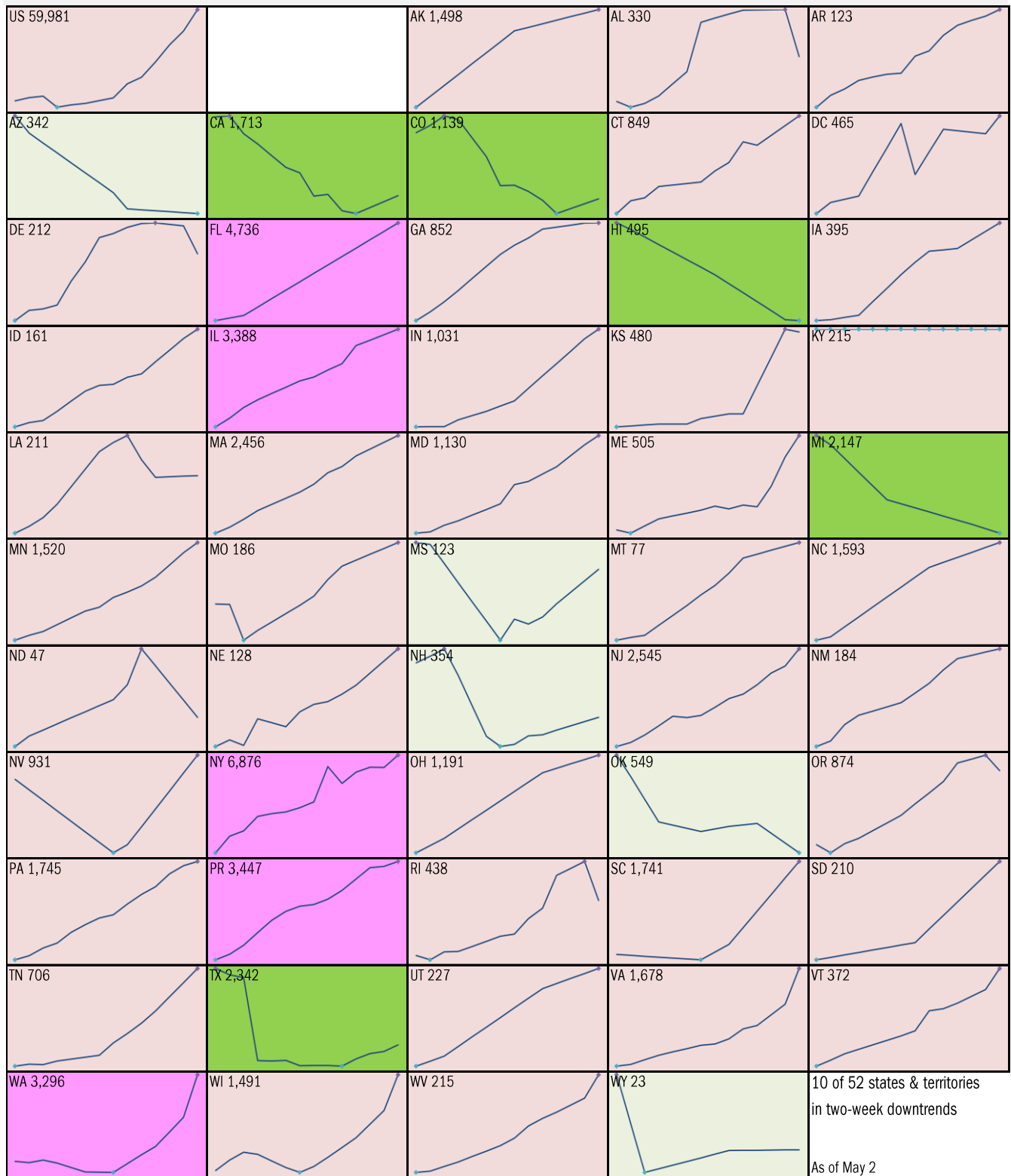


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

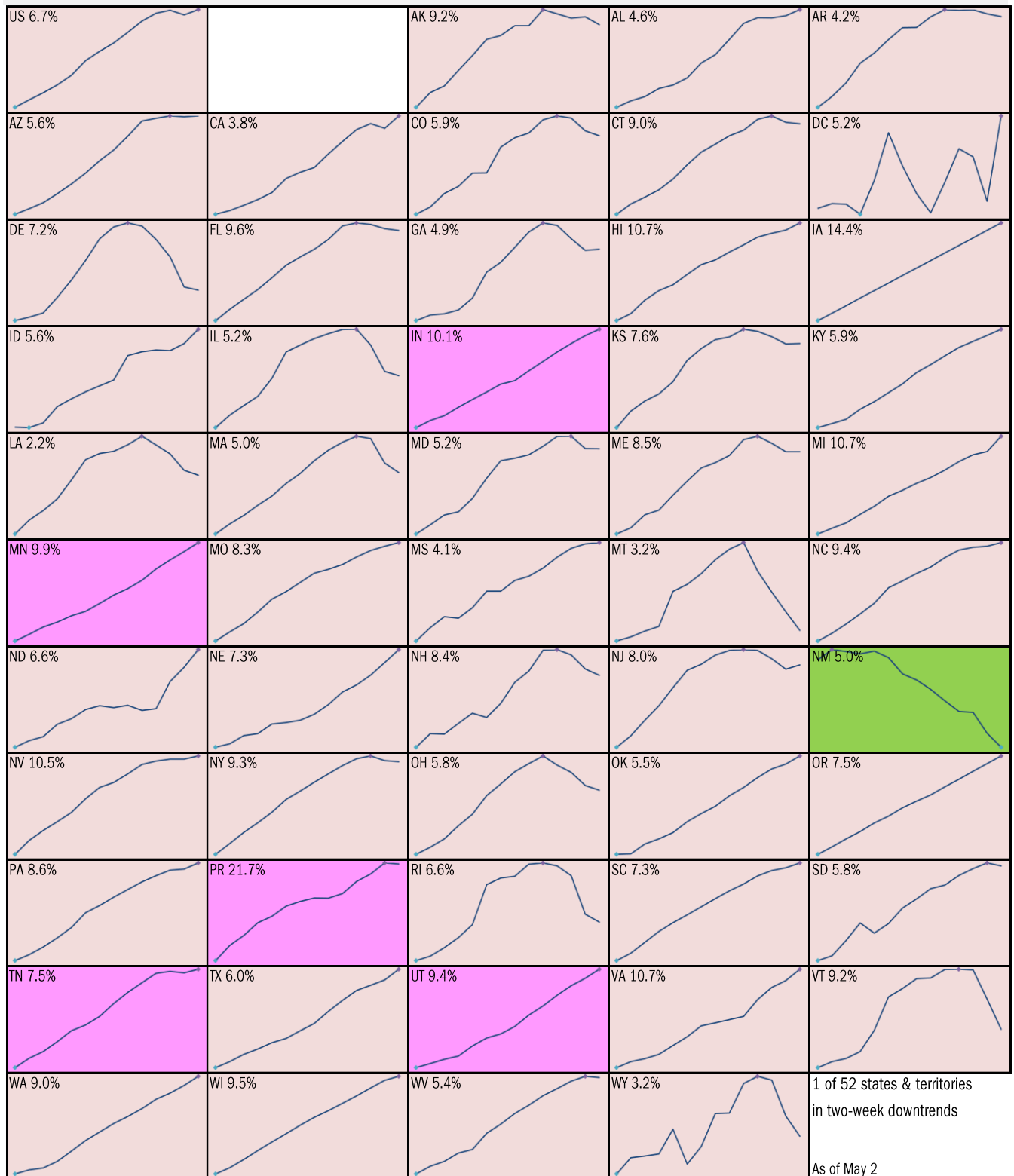


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

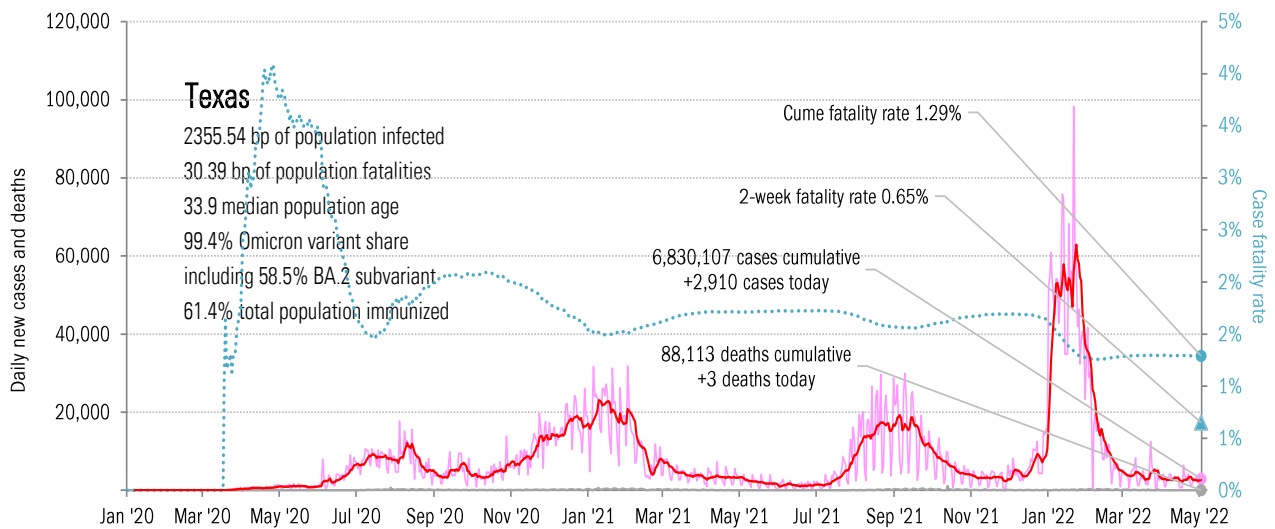
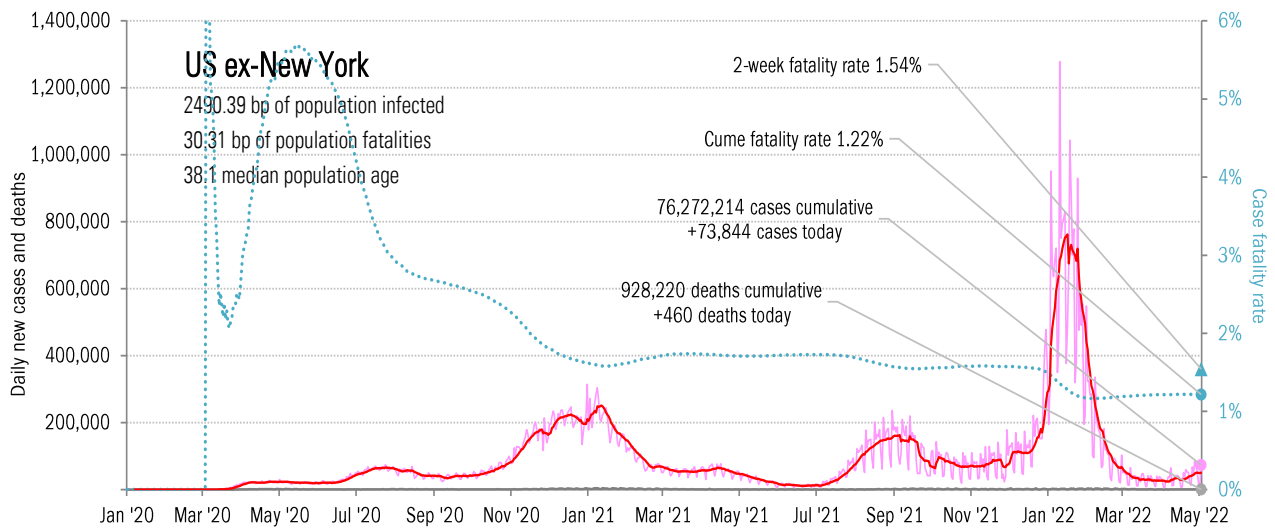
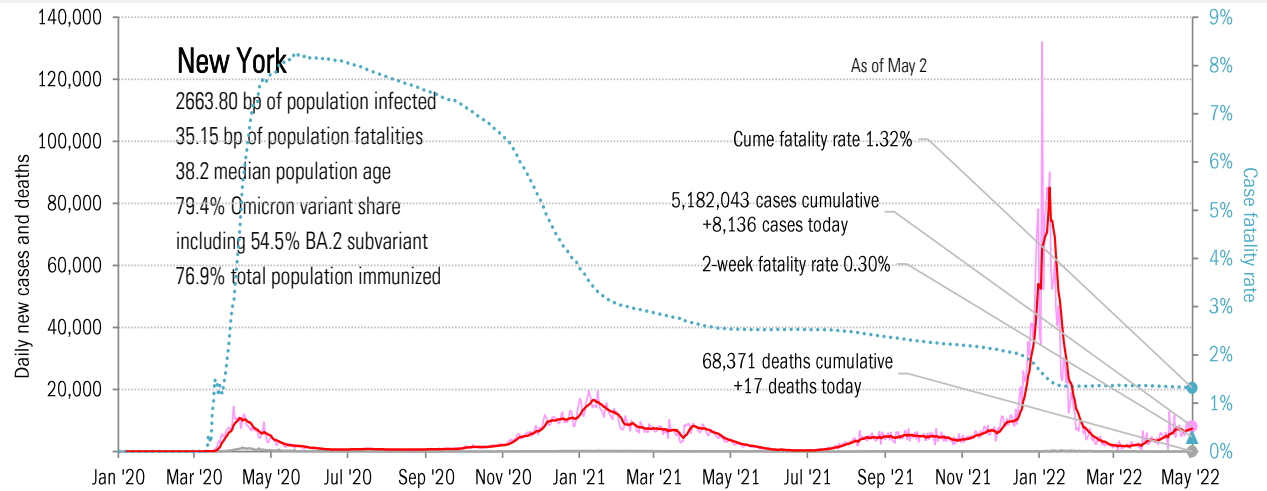
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

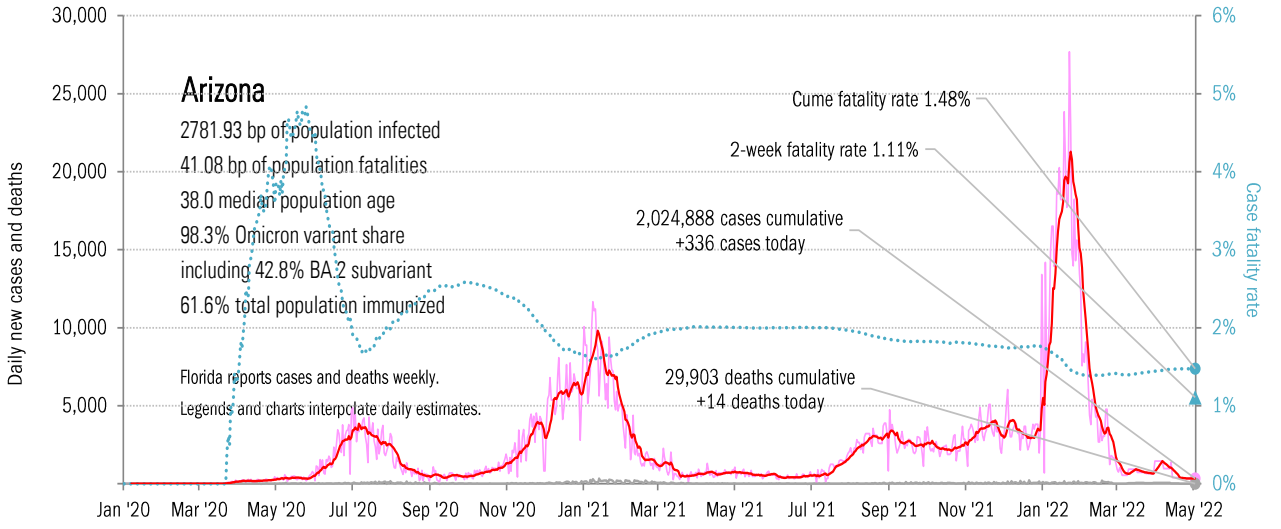
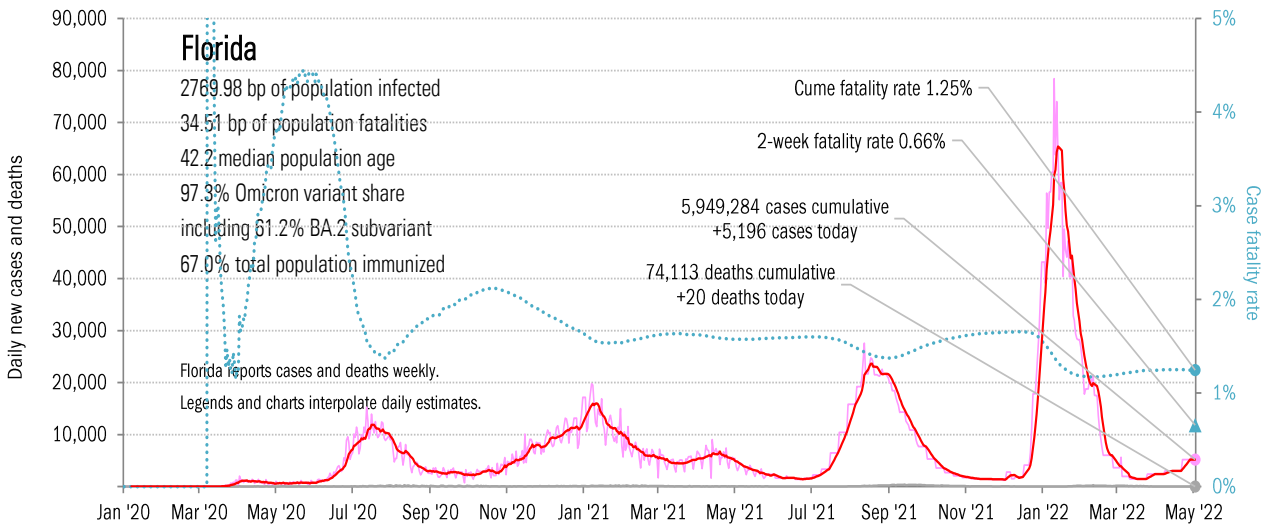
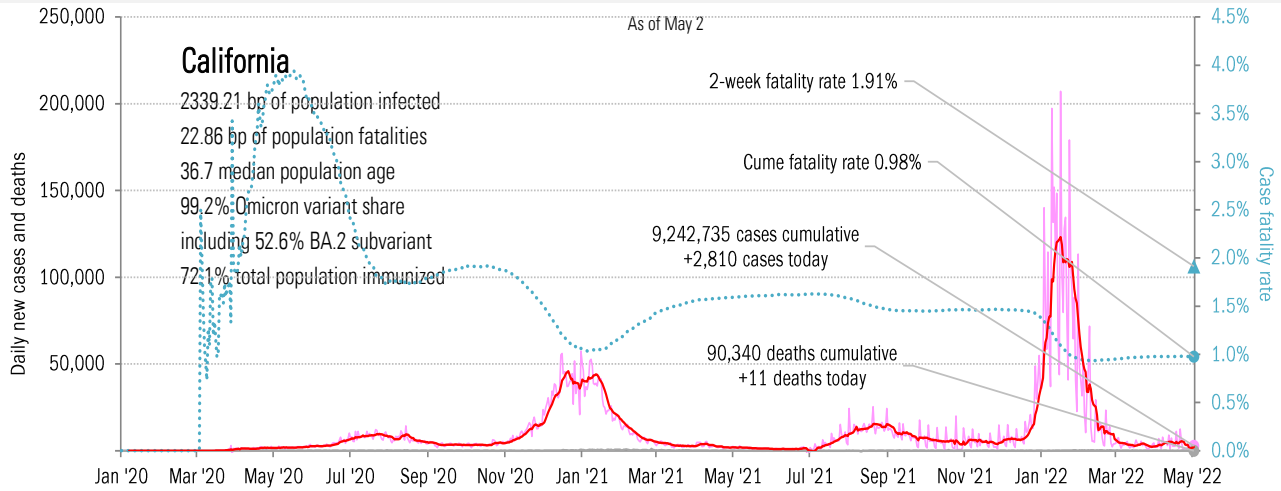
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

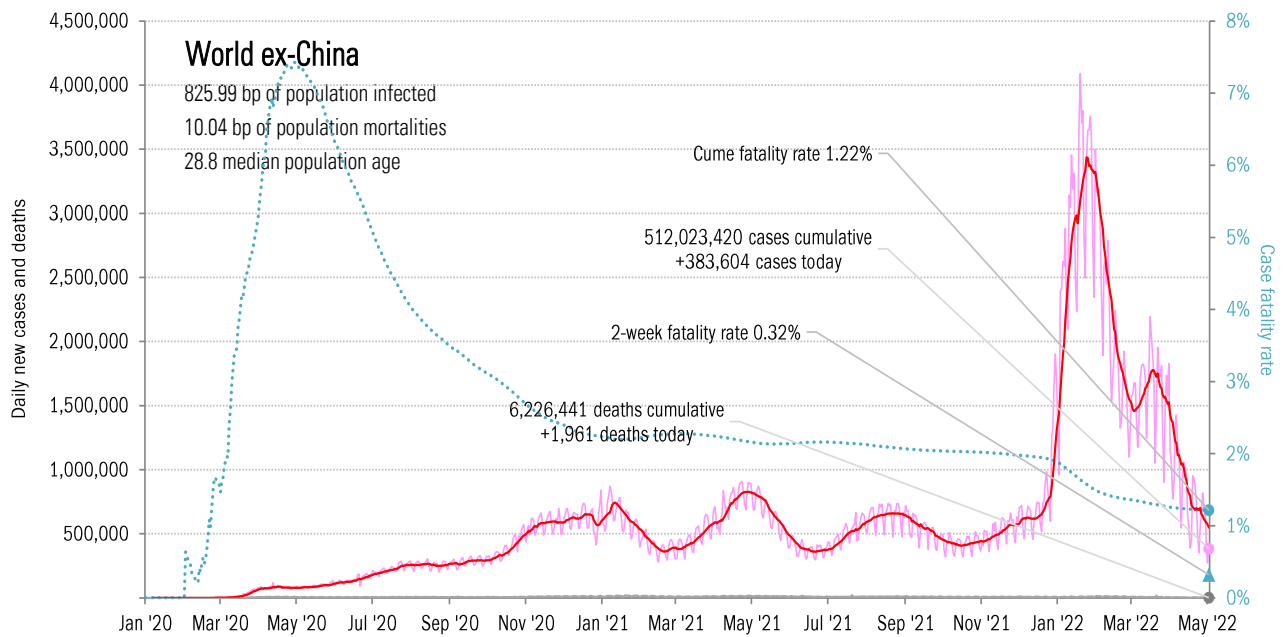
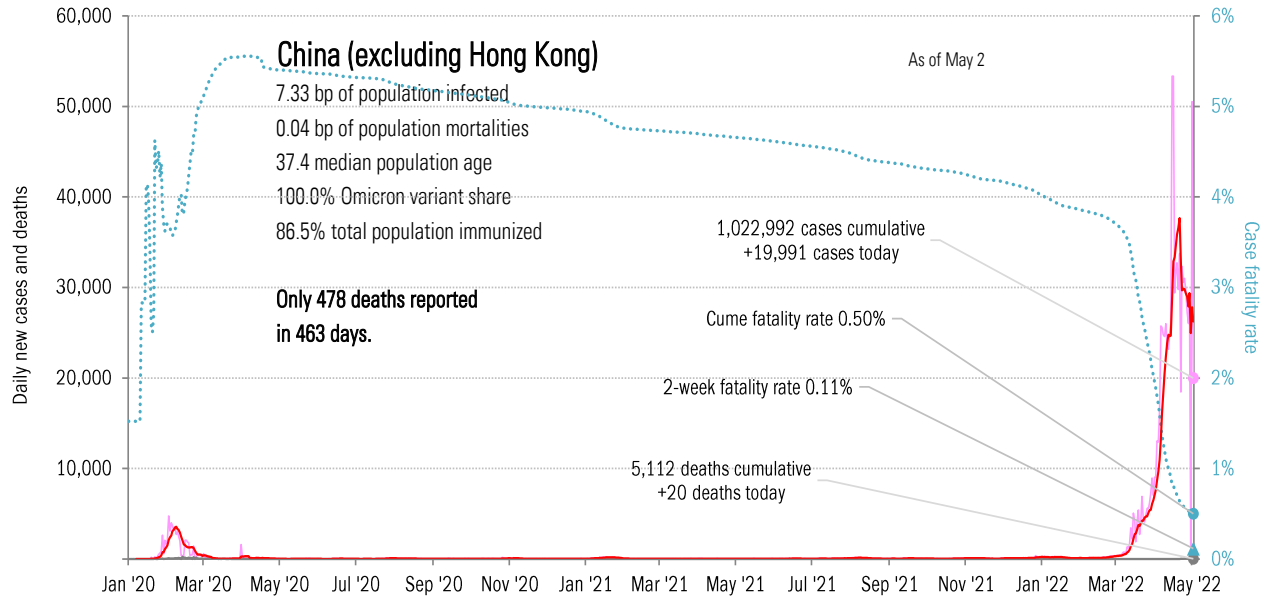
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

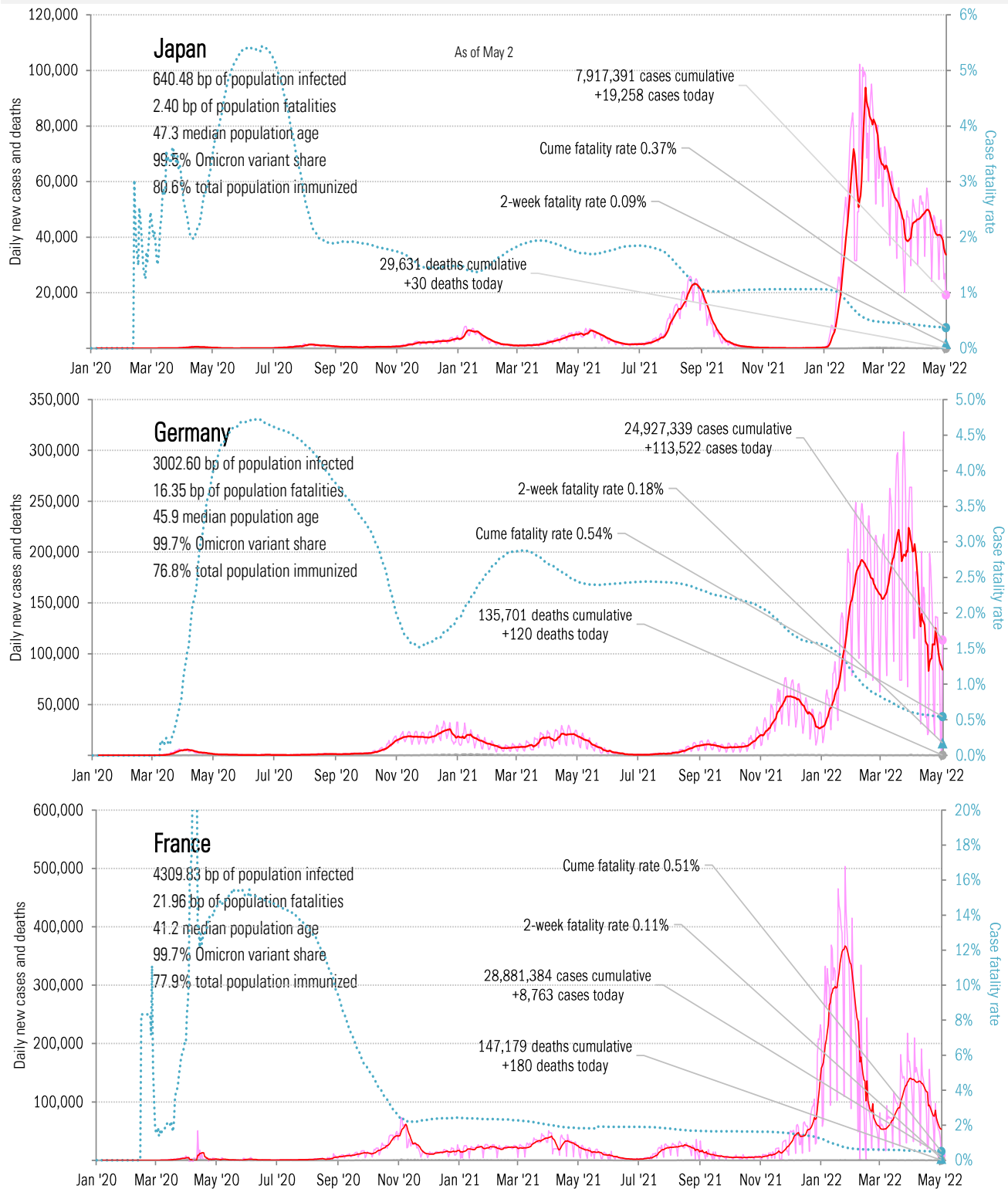
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

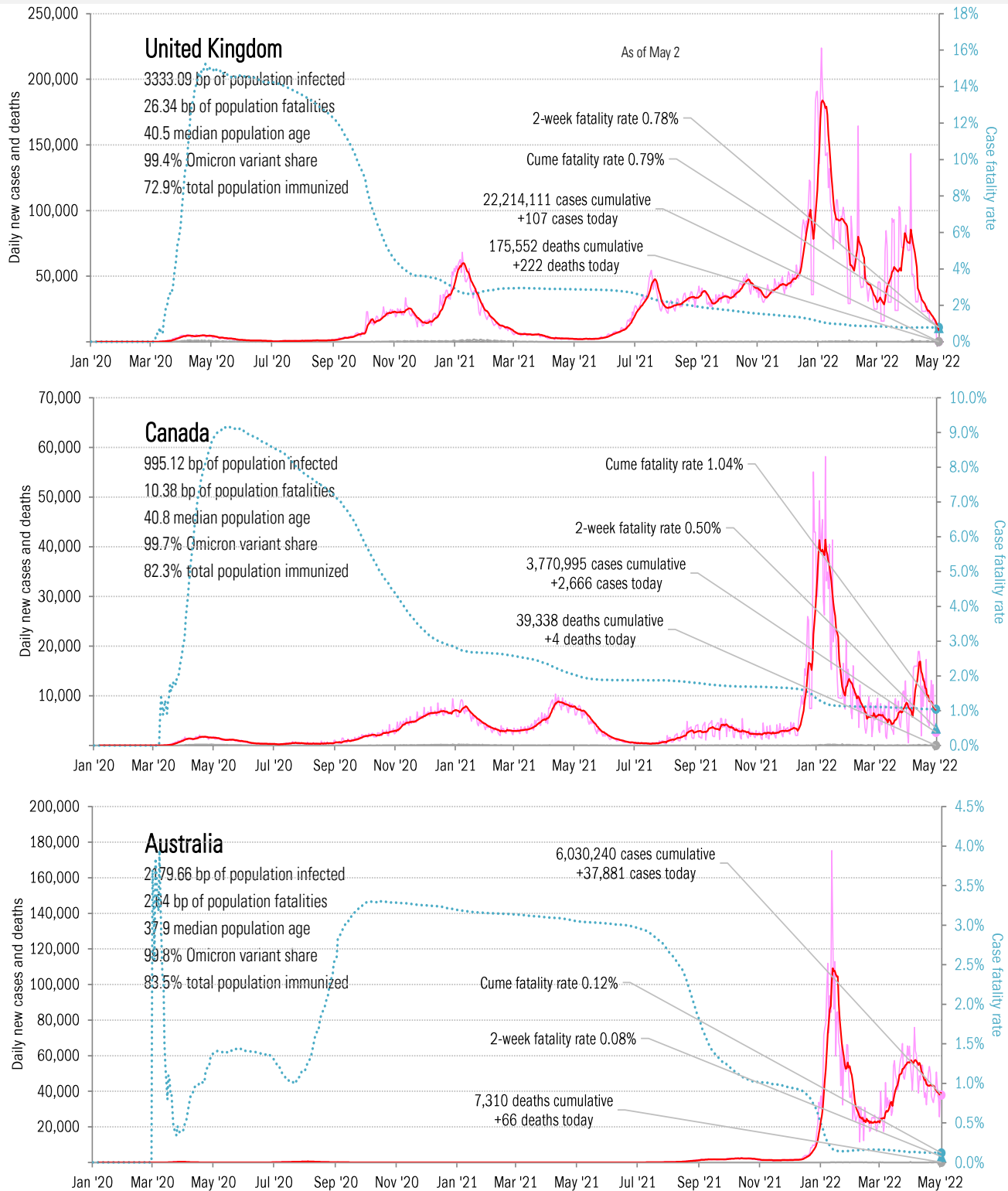
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

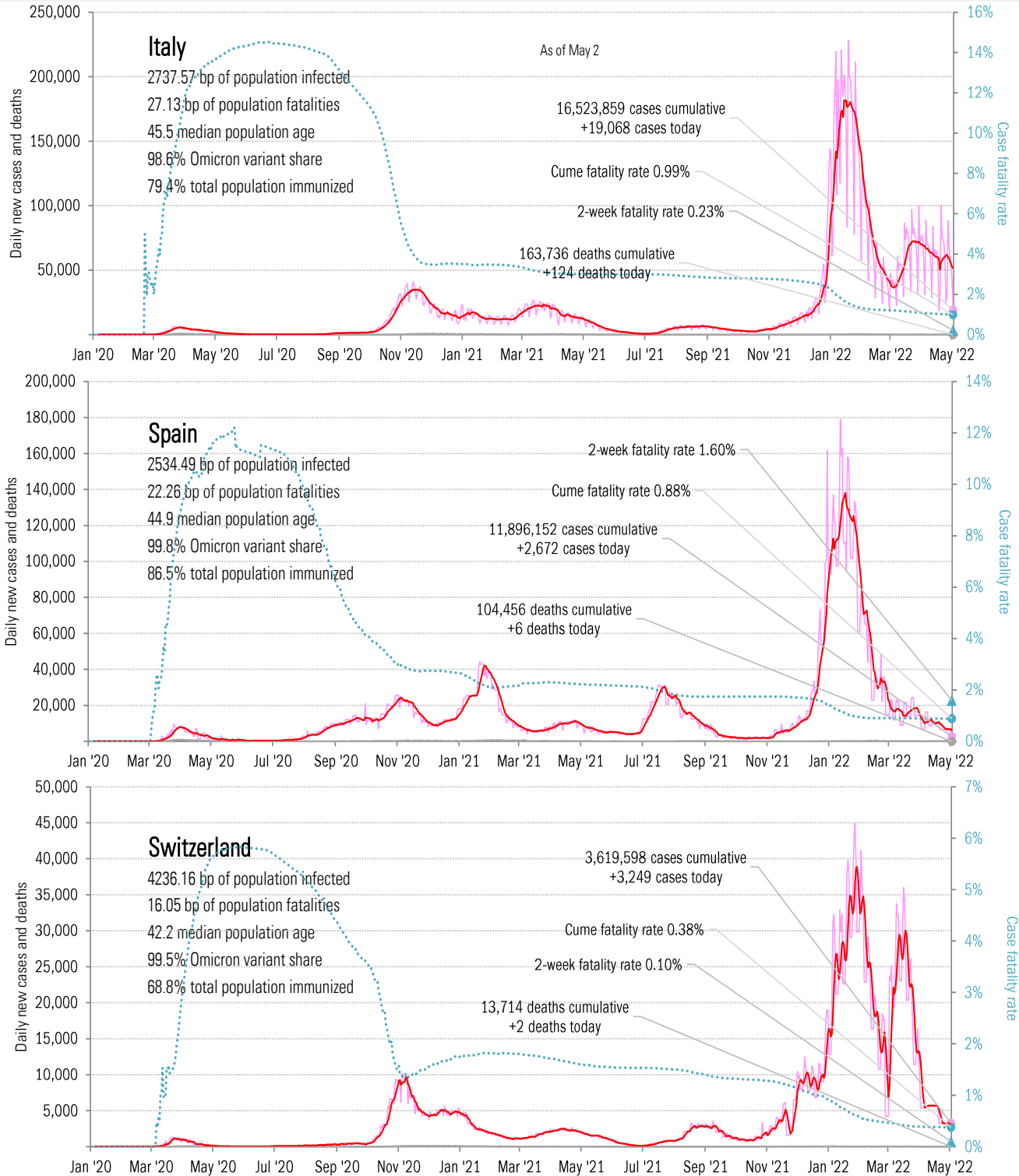
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

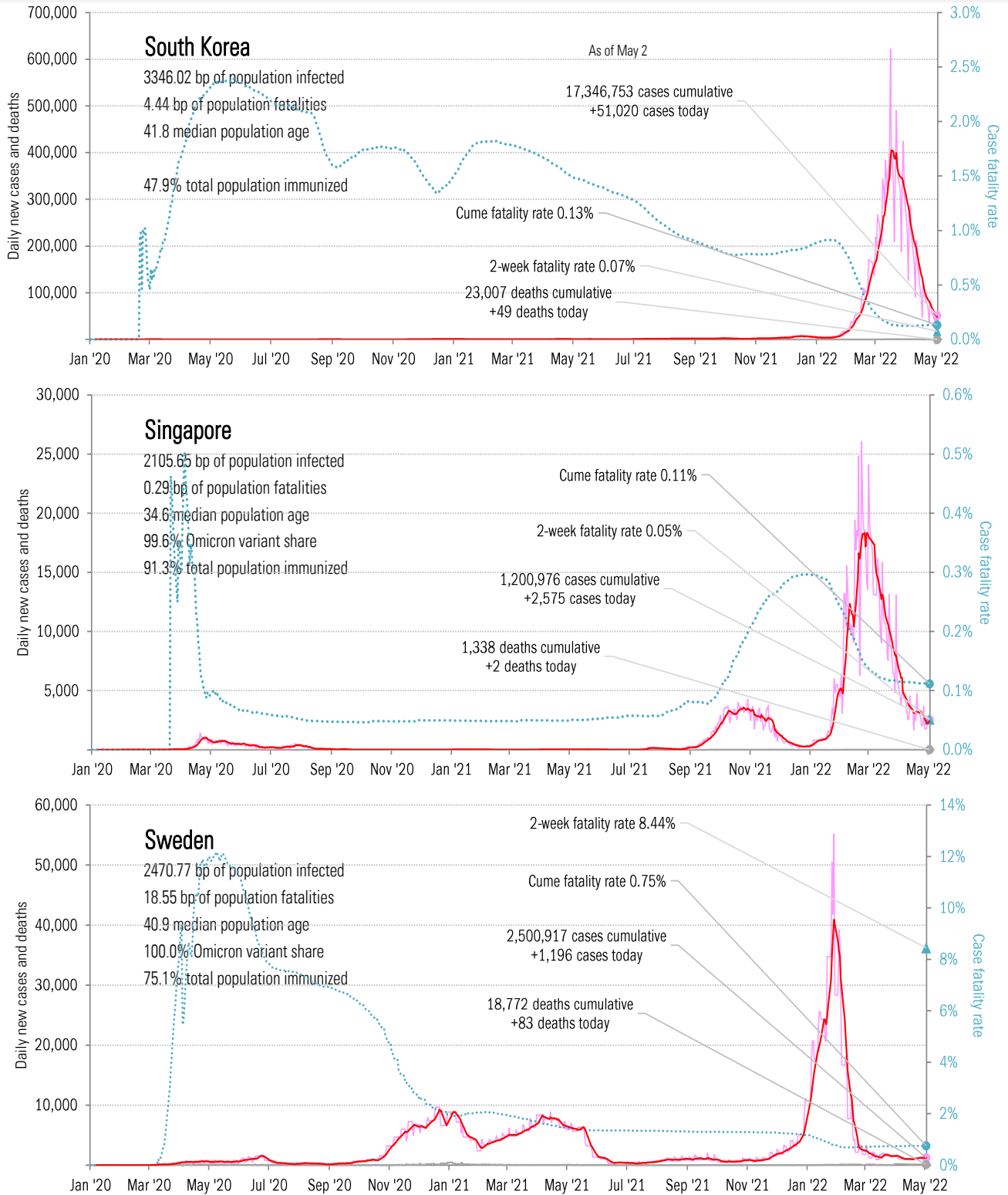
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

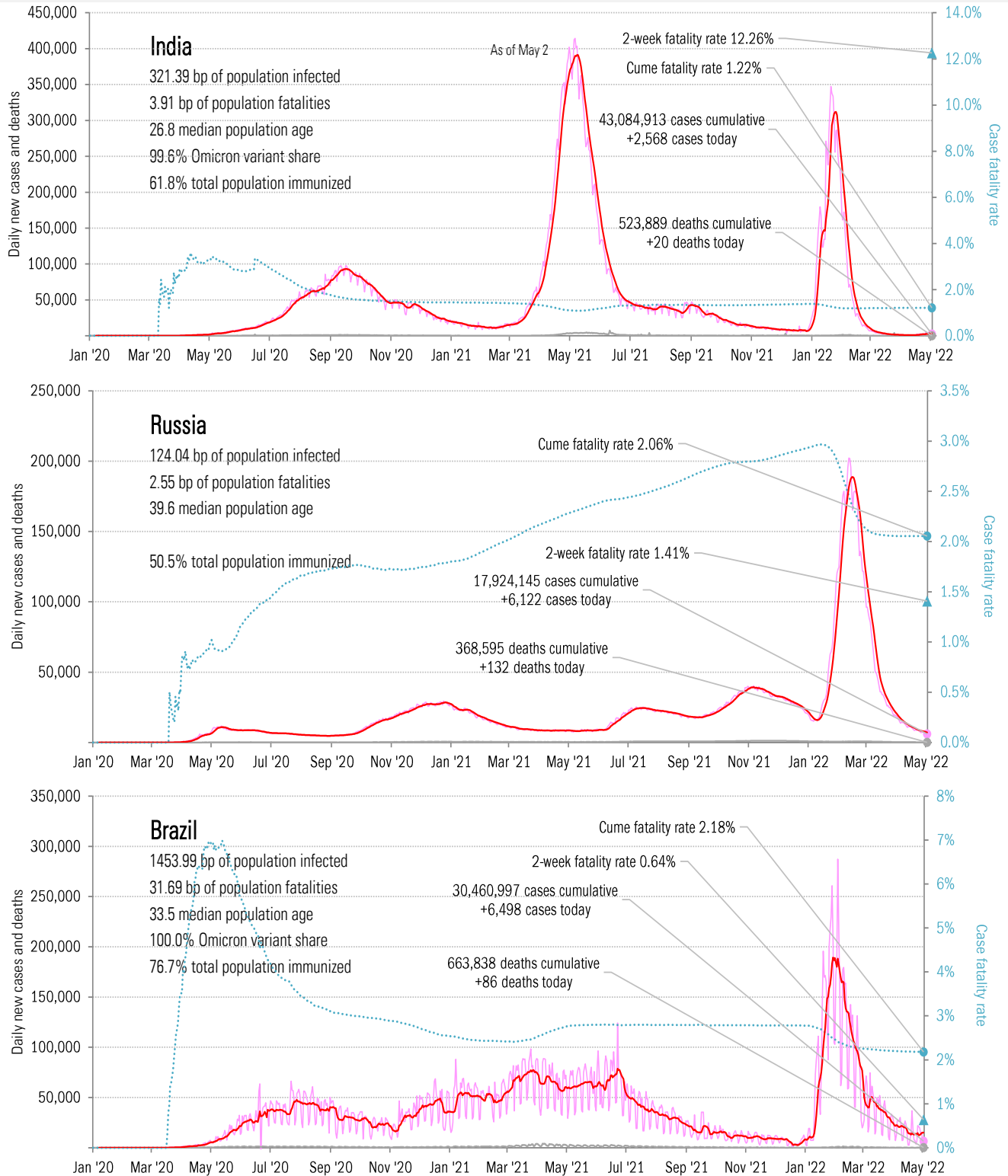
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

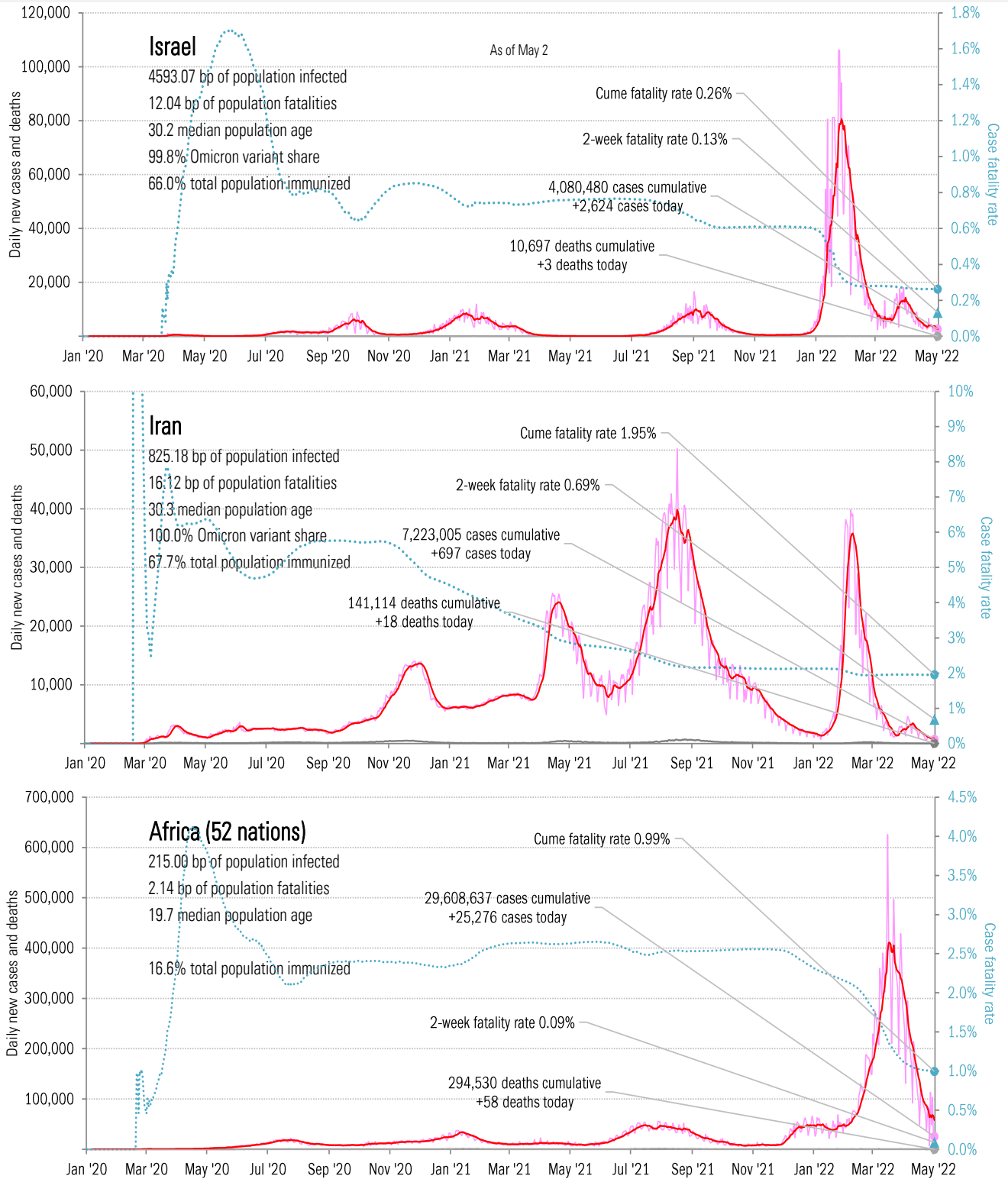
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

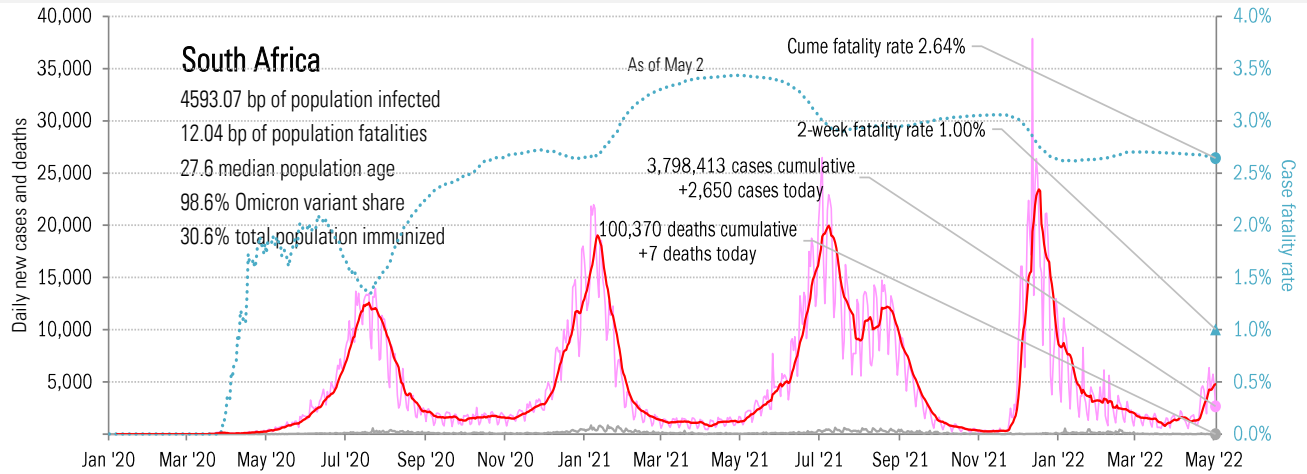
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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