

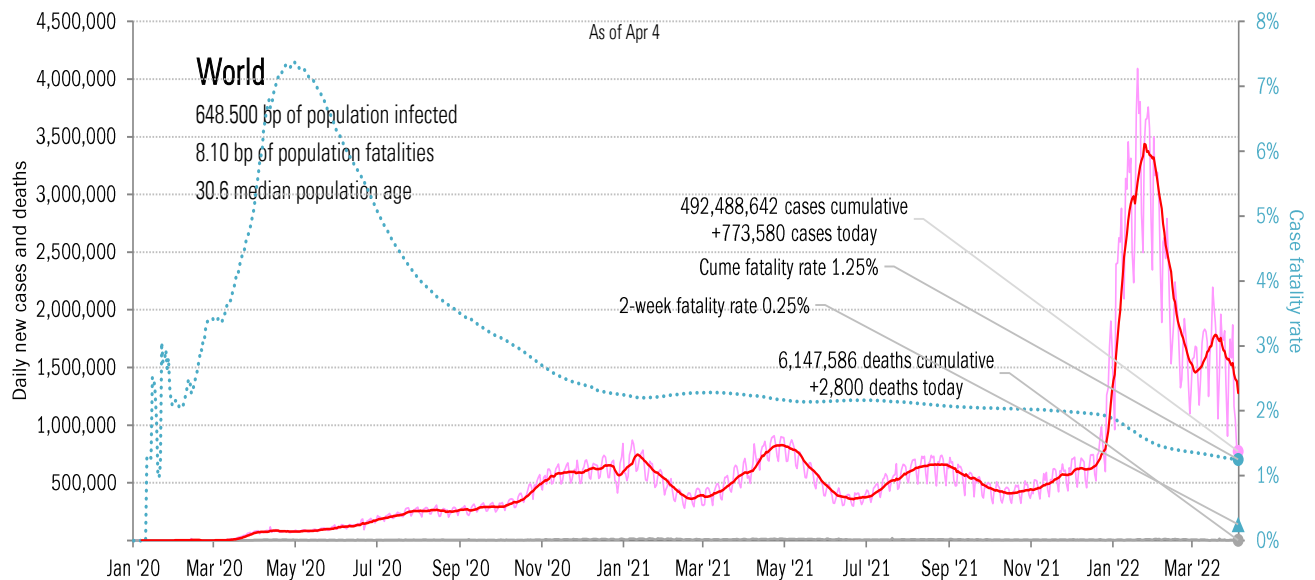
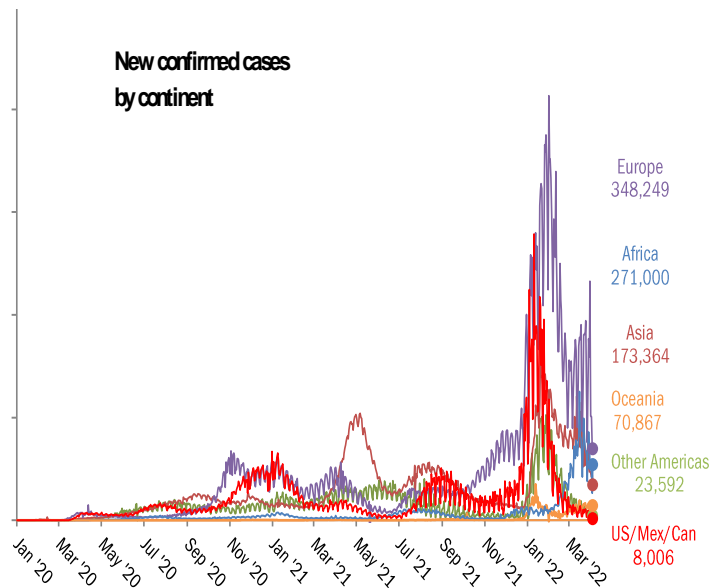
Data Insights: Covid-2019 Monitor

Tuesday, April 5, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Korea, South	265,995	United States	420
United Kingdom	143,410	Russia	277
Australia	55,544	United Kingdom	210
Vietnam	48,717	Korea, South	209
France	32,118	Brazil	160
Italy	31,329	France	159
Belgium	30,475	Italy	125
Japan	30,017	Thailand	91
China	28,159	Belgium	82
Thailand	21,088	Finland	74
686,852		1,807	
World	773,580	World	2,800
Top ten	89%	Top ten	65%



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

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

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

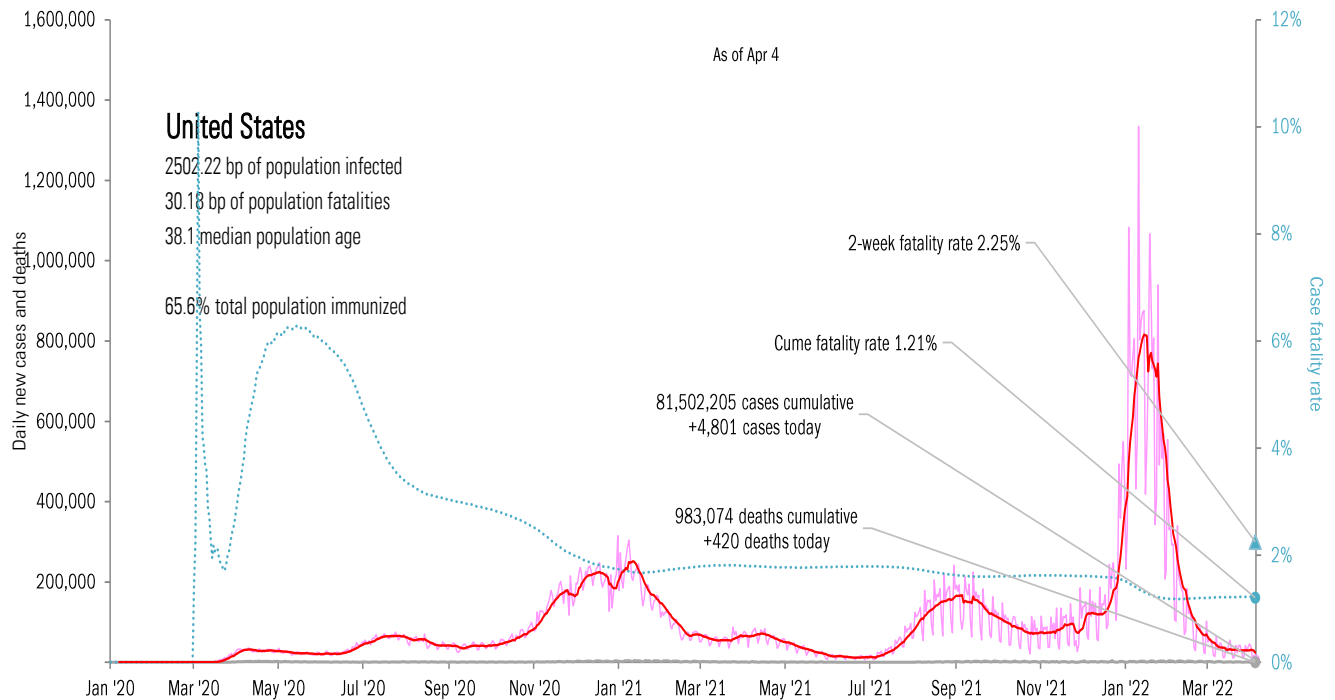
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	4,223		GA	70		GA	66		CA	9,112,044		CA	89,052		TX	487,442		RI	88%	VT	101%
MA	3,096		CA	40		MT	30		TX	6,736,308		TX	87,480		CA	423,027		MA	84%	TX	87%
IL	2,986		FL	39		KY	29		FL	5,891,565		FL	73,418		FL	413,708		MN	82%	NM	84%
CA	2,290		AL	21		IL	56		NY	5,010,041		NY	68,007		NY	245,319		WA	82%	AK	82%
WA	2,160		NC	21		IA	18		IL	3,072,636		PA	44,316		GA	206,771		WV	80%	RI	82%
NC	2,051		AR	15		SC	18		PA	2,783,690		CH	38,042		CH	190,190		MO	79%	DE	81%
NJ	1,828		MD	14		MN	24		CH	2,672,801		GA	37,127		PA	175,650		DC	78%	NC	80%
VA	1,673		NJ	14		PA	43		NC	2,632,557		IL	35,833		IL	156,619		GA	78%	MA	80%
CO	1,637		NM	14		UT	15		GA	2,501,271		MI	35,706		MI	140,755		NV	78%	KY	79%
CT	1,268		NY	13		AL	18		MI	2,389,506		NJ	33,259		KY	132,645		DE	77%	AL	77%
23,212			261			317			42,802,419			542,240			2,572,126						
All states	23,425		420			1,292			All states	81,502,205		983,074			4,670,760			All states	70%	67%	
Top ten	99%		62%			25%			Top ten	53%		55%			55%			Median	72%	70%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-9,992	IN	-914	TN	-16	DE	+10 bp
FL	-6,561	FL	-50	NM	-14	ID	+10 bp
FR	-236	CO	-1	NC	-13	KS	+10 bp
DE	-29	TX	-1	IN	-10	MD	+10 bp
AR	-3	WI	-1	VA	-10	NJ	+10 bp



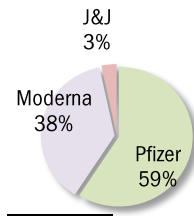
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	577,500,529		+0.175 million	US	65.6%	77.0%
Boosters	99,341,551		+0.036 million	UK	72.5%	77.4%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,442,923	79%	224,132,273	67%	+0.024 million	France 77.8% 80.1%
Age 12 to 17	17,571,880	69%	14,993,285	59%	+0.001 million	Spain 86.1% 88.0%
Age 18 to 64	177,442,069	87%	150,500,525	74%	+0.010 million	Germany 75.3% 75.9%
Age 65 and over	58,360,275	100%	50,570,295	92%	+0.009 million	Italy 79.2% 84.0%

Australia	82.4%	86.1%
Israel	66.0%	72.2%
Canada	82.0%	86.0%
Japan	79.9%	81.4%
Africa	15.2%	20.3%
India	59.7%	71.0%
Brazil	75.2%	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



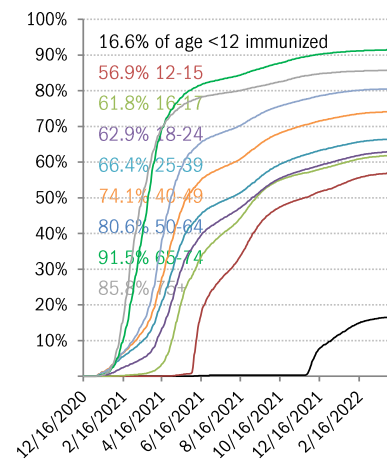
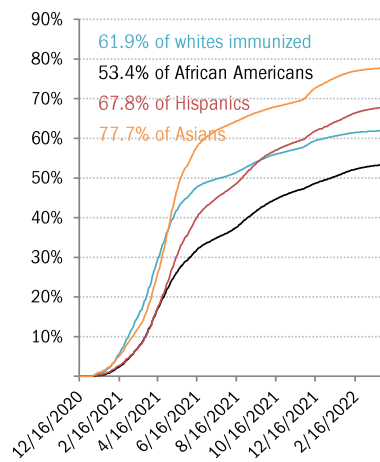
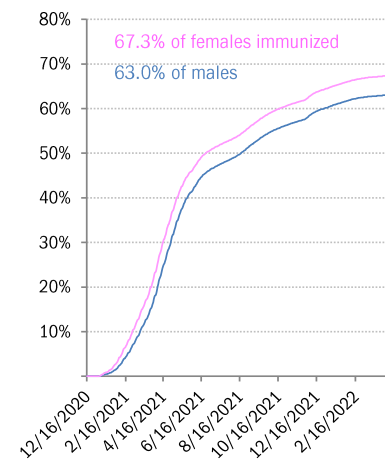
AK
69.3%
61.8%

Immunity = two doses

As of Apr 4

					WI					ME
					71.5%					89.6%
					65.1%					78.9%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.3%	60.8%	64.9%	64.7%	74.8%	76.4%	66.7%		89.7%	93.0%	90.3%
72.1%	53.7%	56.4%	54.7%	68.8%	68.3%	59.8%		76.3%	80.7%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.5%	74.7%	58.4%	75.7%	67.7%	61.1%	63.3%	84.1%	89.8%	95.0%	
69.2%	60.3%	51.1%	60.6%	61.6%	54.6%	58.1%	67.7%	75.0%	78.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.6%	71.8%	78.9%	70.0%	65.8%	65.8%	64.6%	85.1%	85.9%	94.7%	95.0%
71.2%	63.9%	69.8%	63.2%	55.6%	57.1%	57.2%	72.6%	75.0%	78.5%	81.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.4%	86.9%	74.1%	66.2%	61.8%	83.2%	67.2%	95.0%	82.4%	
	61.0%	70.4%	60.9%	54.0%	54.1%	60.1%	56.5%	73.0%	68.4%	
			OK	LA	MS	AL	GA			
			70.6%	60.7%	59.3%	62.3%	64.9%			
			56.7%	53.2%	51.5%	50.7%	54.3%			
			TX					FL		PR
			72.2%					78.7%		95.0%
			60.9%					66.5%		82.2%

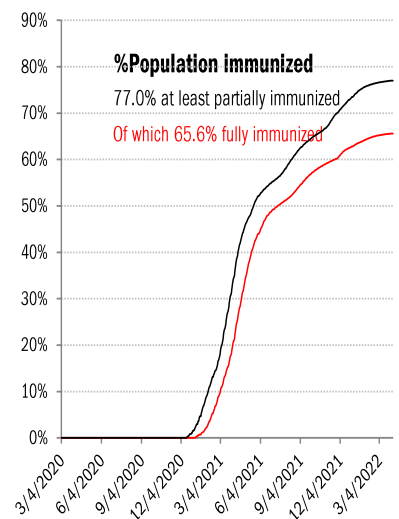
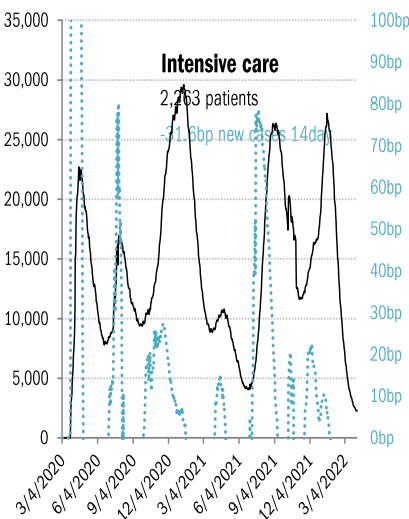
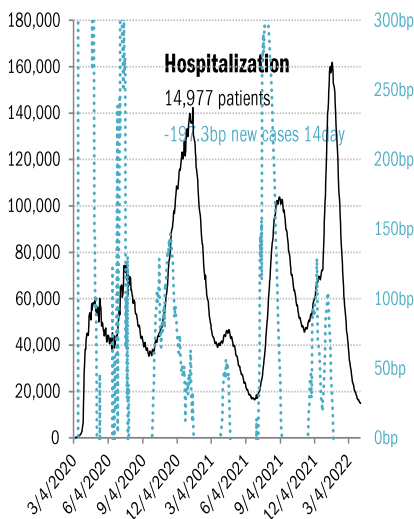
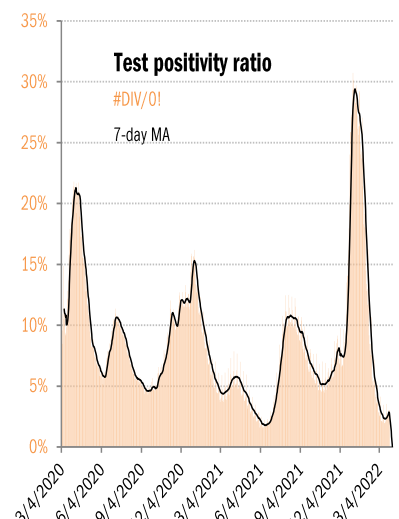
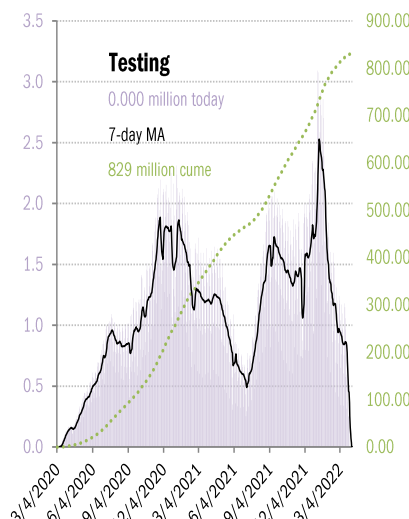
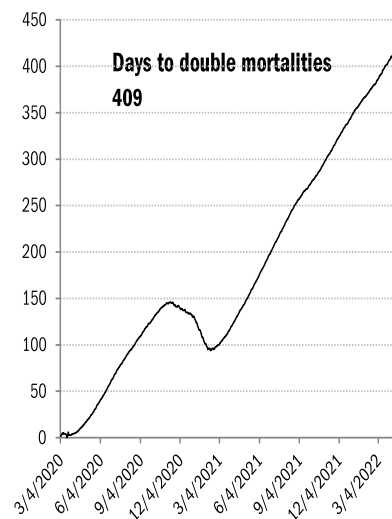
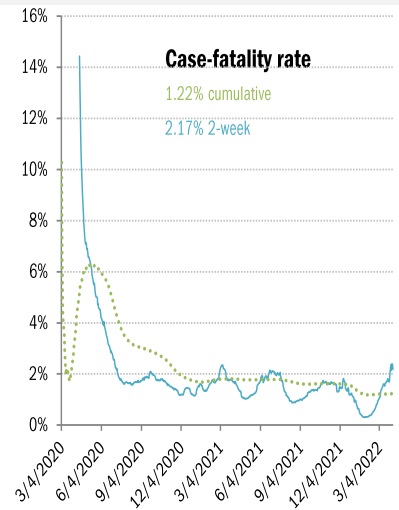
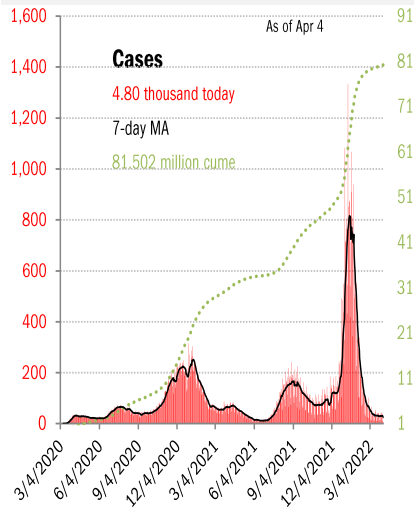
The demographics of US vaccination



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

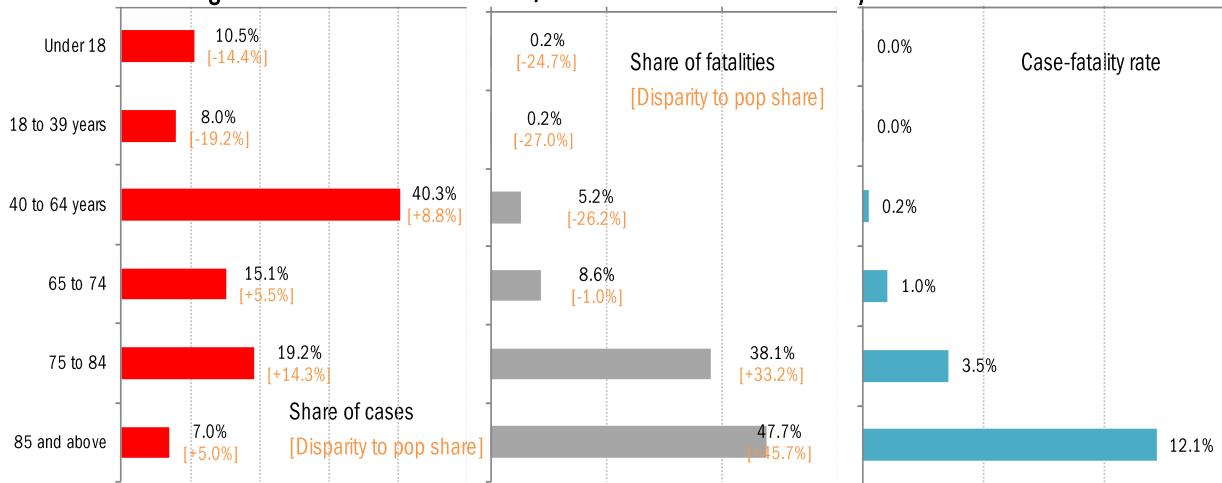
US deep-dive

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

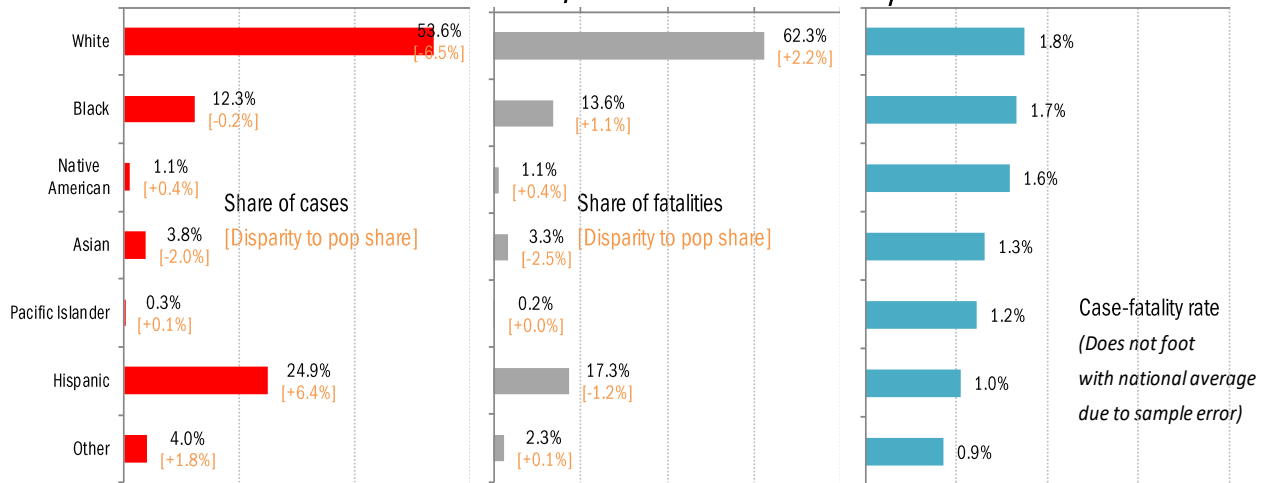


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

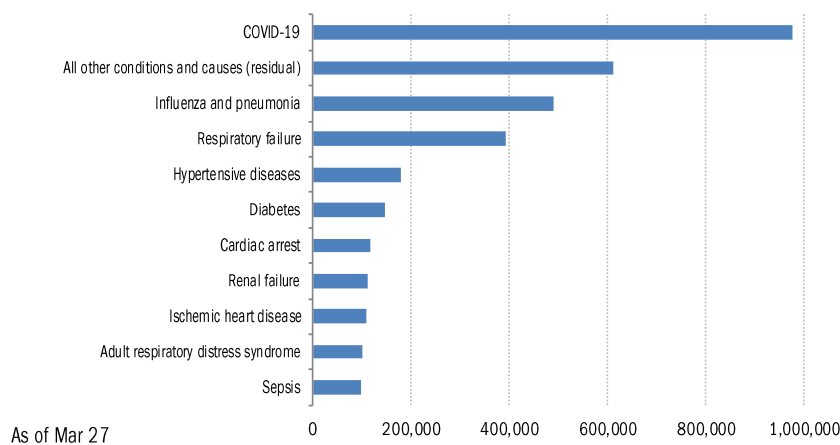


Racial distribution of US cases, fatalities and case-fatality rates



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

[Fauci's Colleague Offered to Secretly Erase a COVID-19 Paper Containing Data Hidden By China. It Happened During an 'Extremely Contentious' Zoom Call Which Saw Scientists 'Yelling at Each Other'.](#)

Natalie Winters and Raheem J. Kassam
National Pulse
April 4, 2022

[The End of the Covid Emergency Could Mean a Huge Loss of Health Insurance](#)

Elisabeth Rosenthal
New York Times
April 4, 2022

[Medicare enrollees to get free COVID-19 tests at drug stores](#)

Ricardo Alonso-Zalvidar
AP
April 4, 2022

[Norwegian Becomes Latest Airline to Completely Drop Face Mask Rules Regardless of Destination](#)

Mateusz Maszczyński
Paddle Your Own Kanoo
April 1, 2022

[Entire Shanghai placed under lockdown](#)

Bloomberg
April 2, 2022

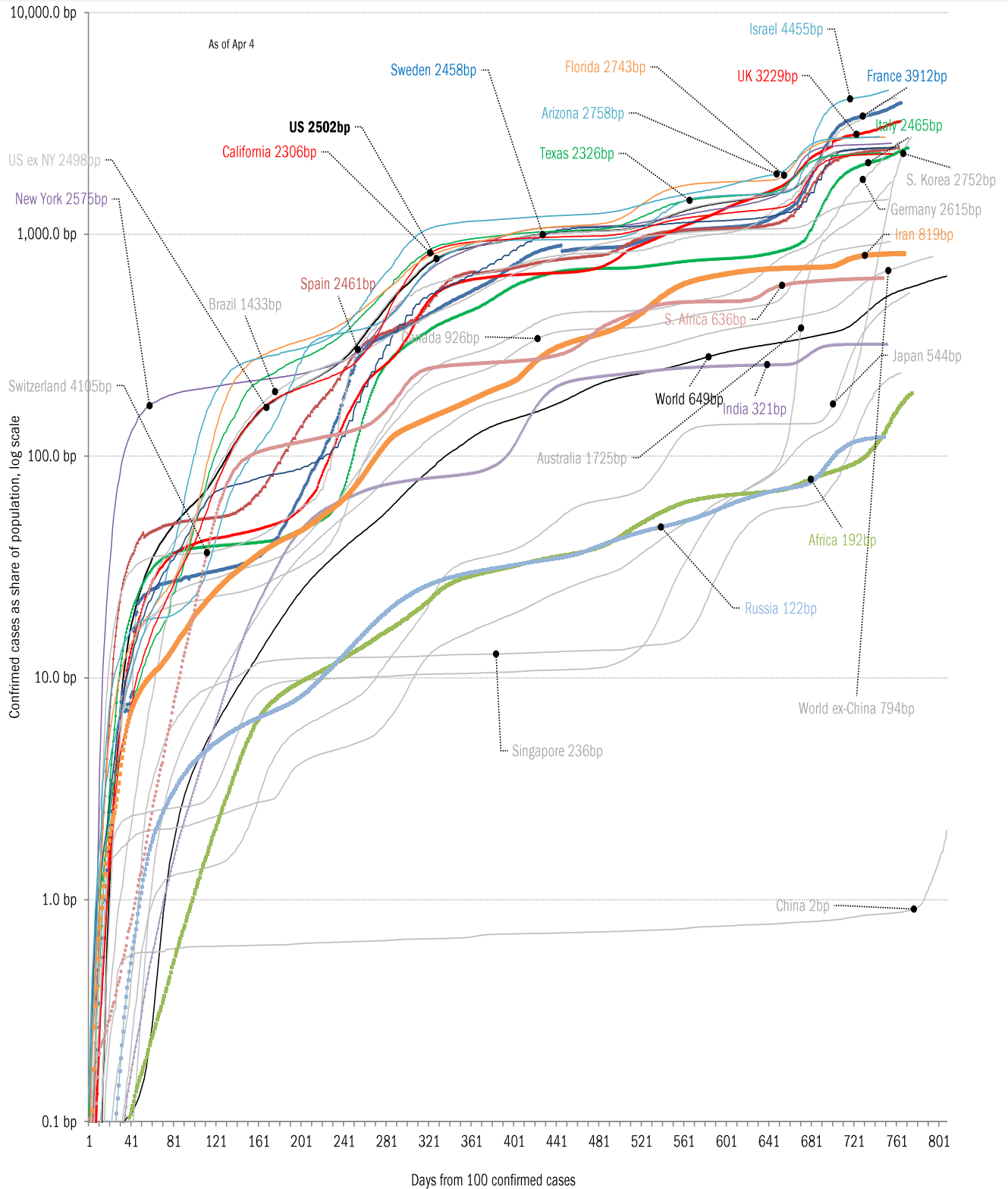
Meme of the day



Fauci Dons Funny Hat, Declares Himself To Be Pope Of Science

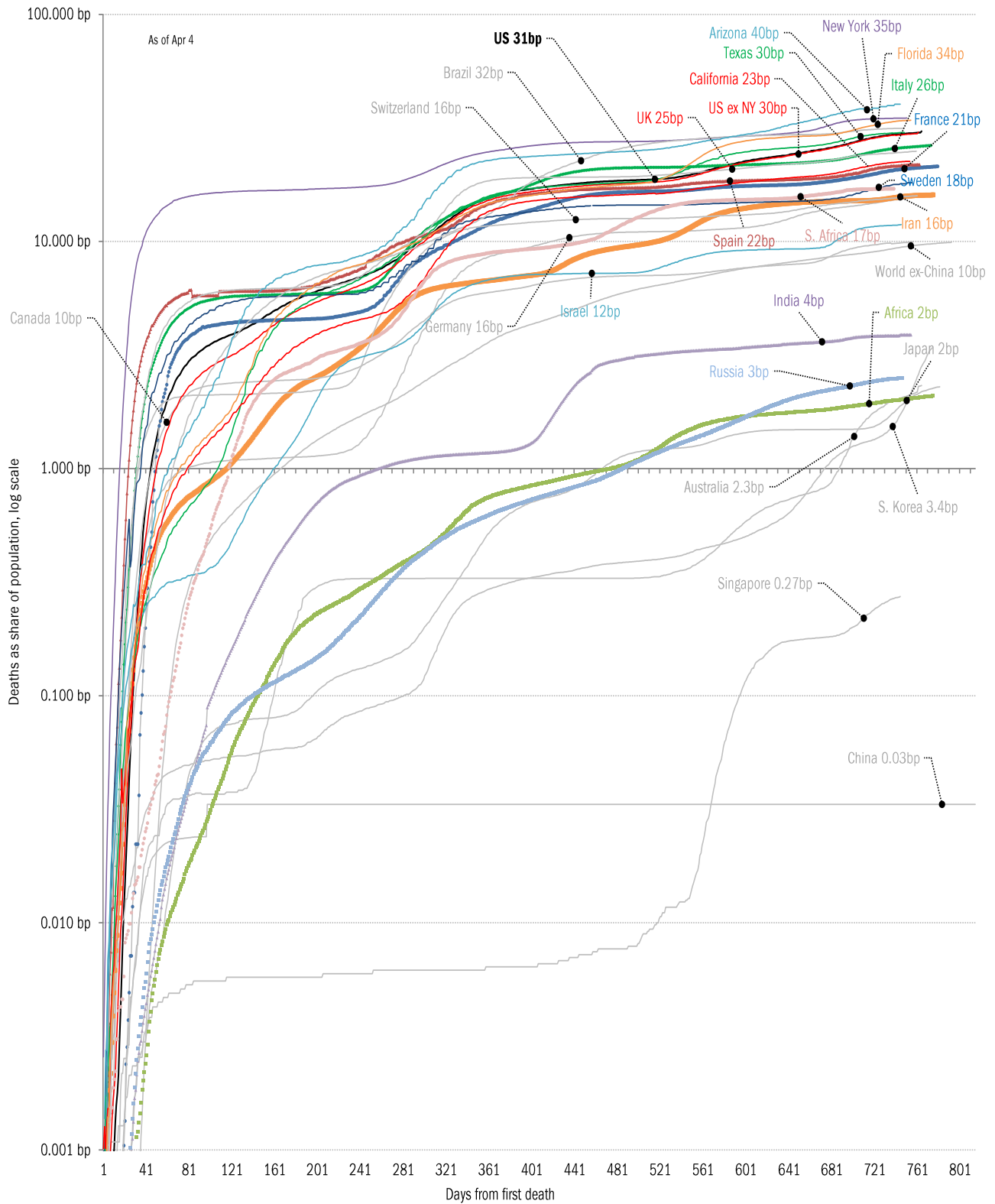
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

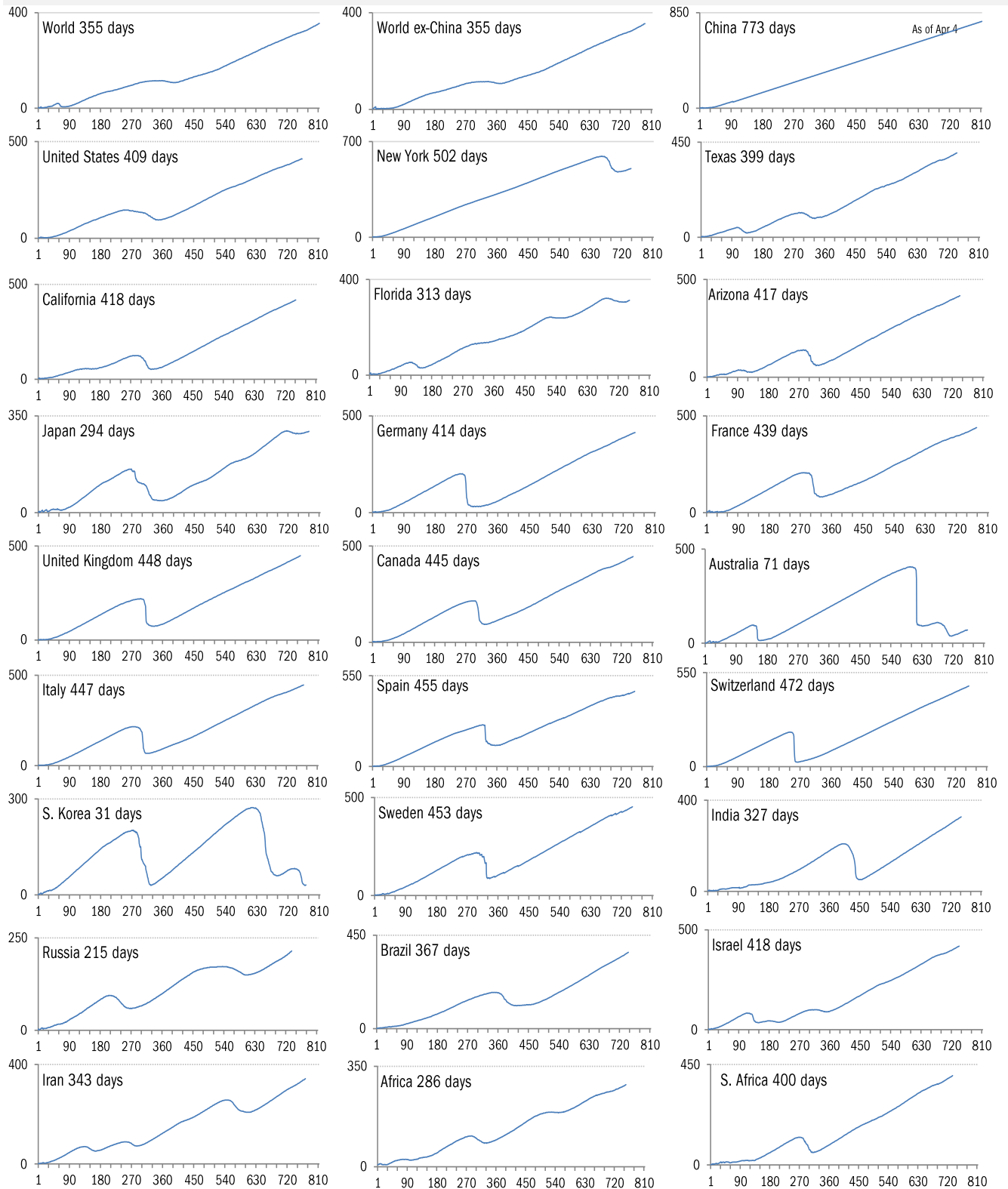


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

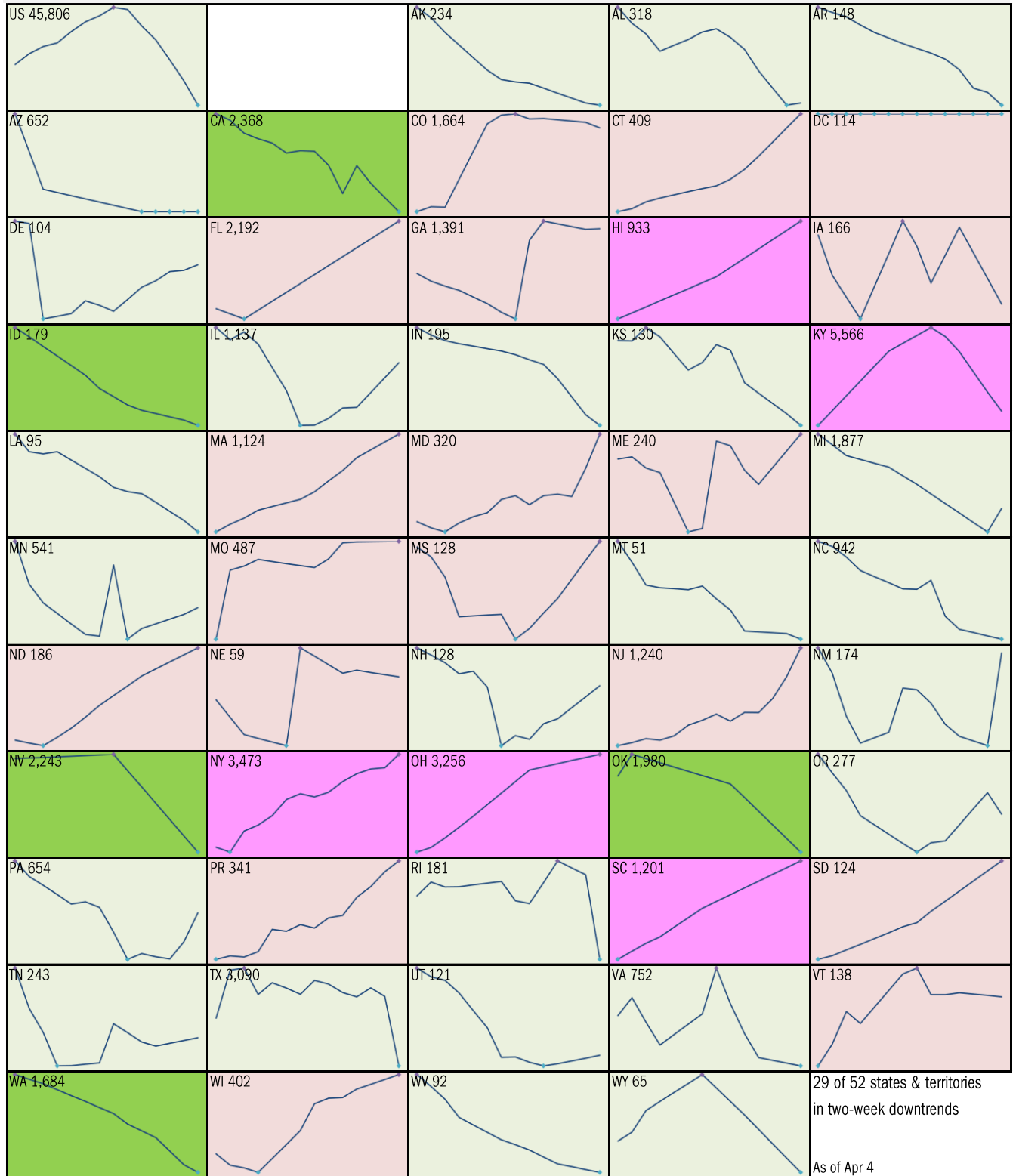


Source: [Johns Hopkins](#), TrendMacro calculations

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

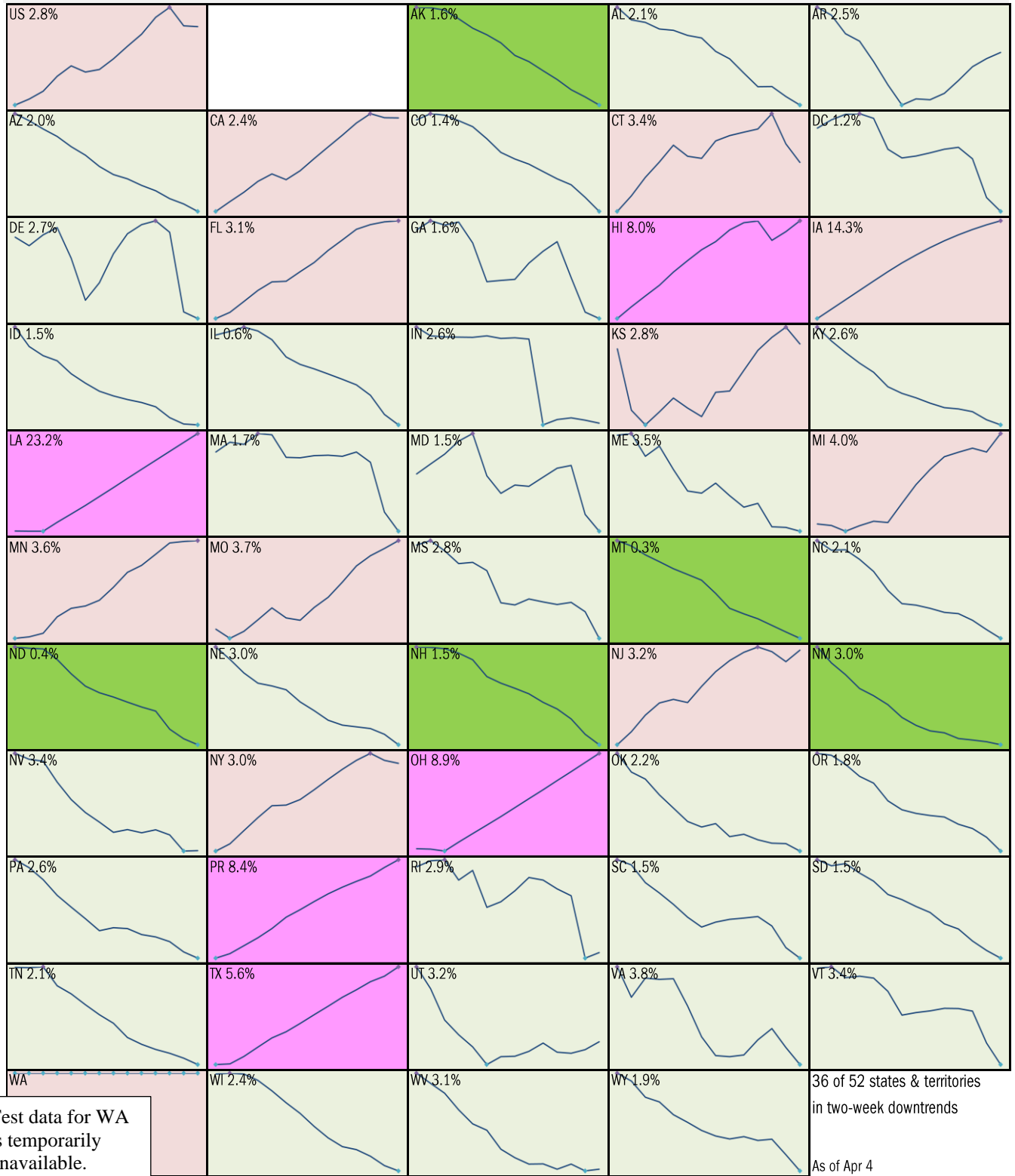


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

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

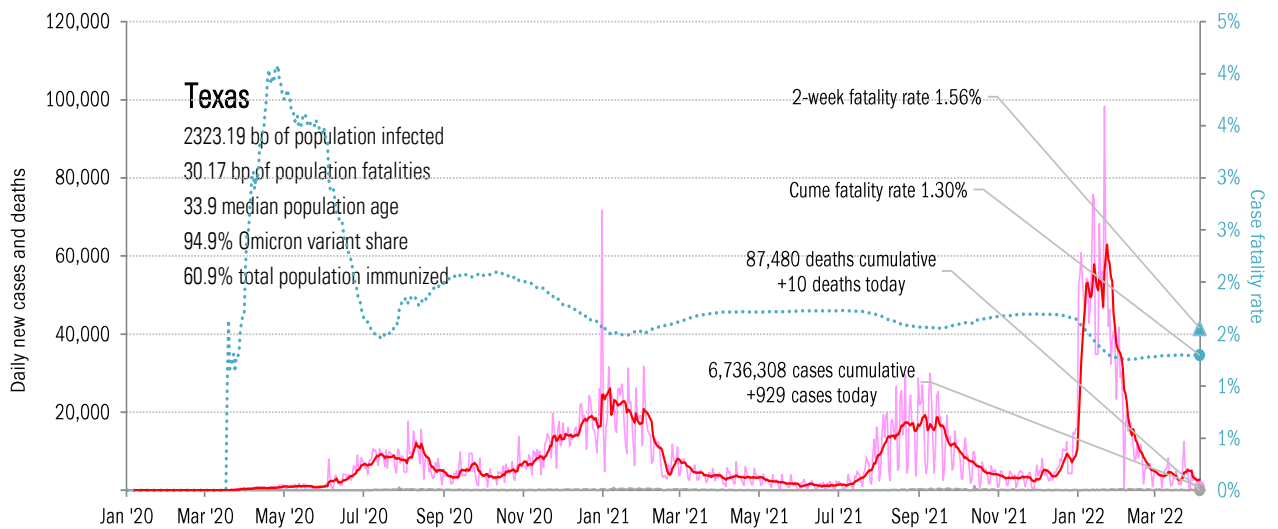
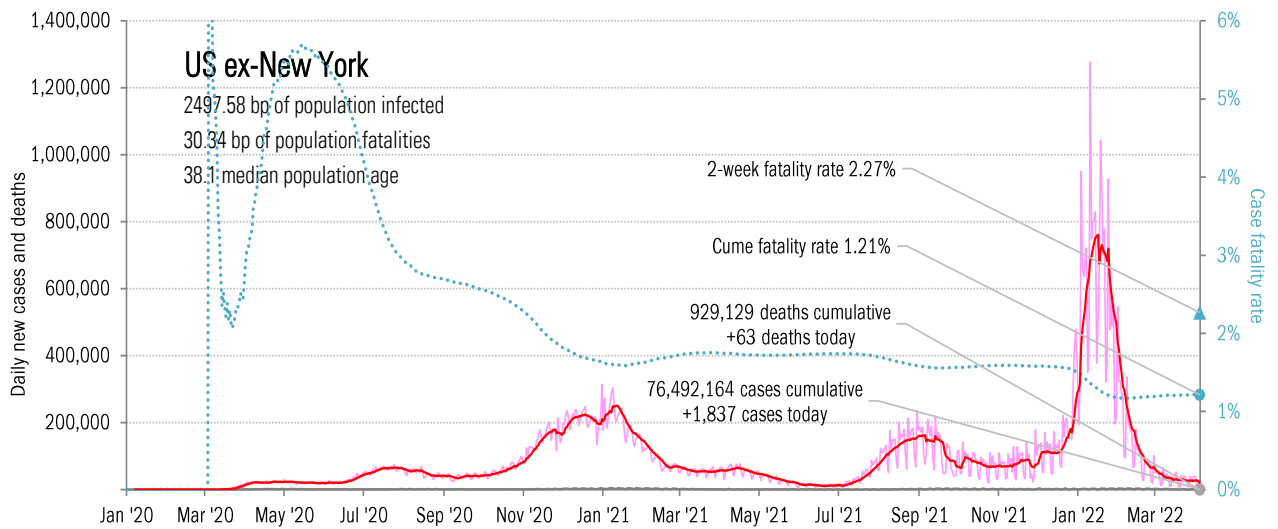
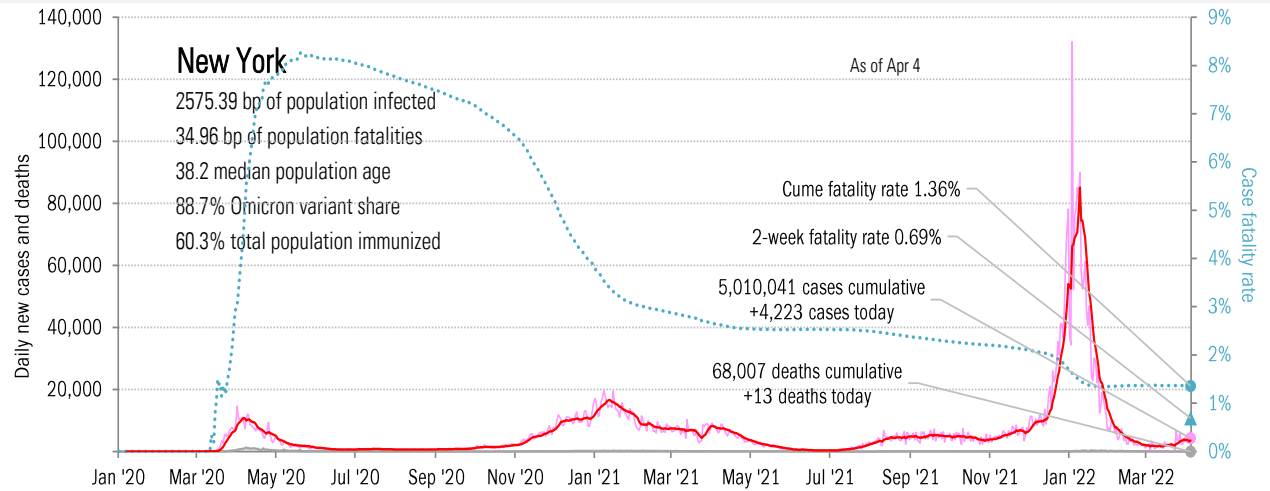
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

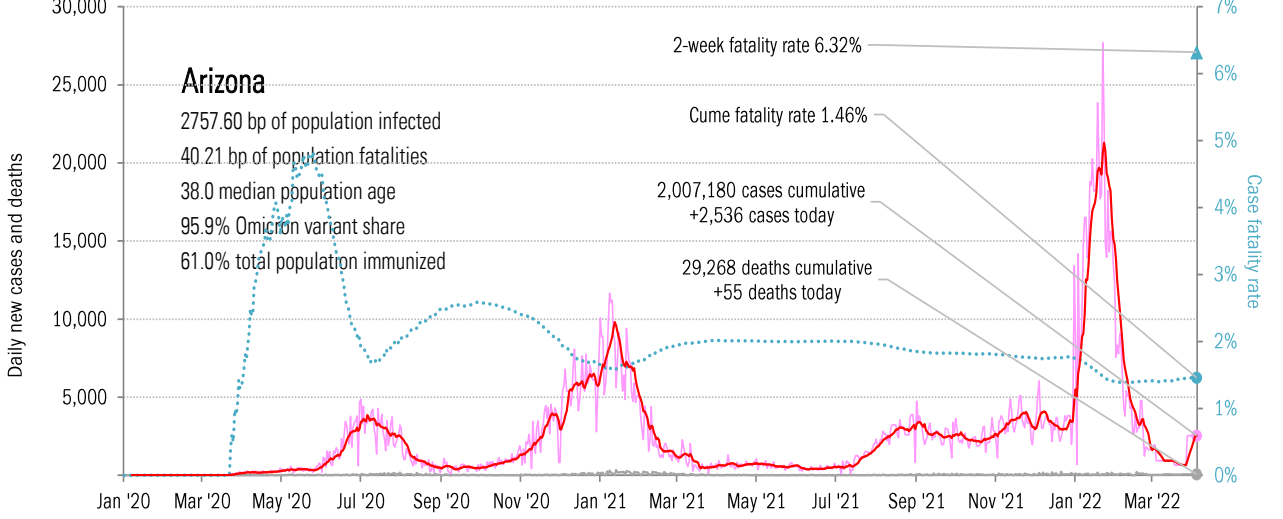
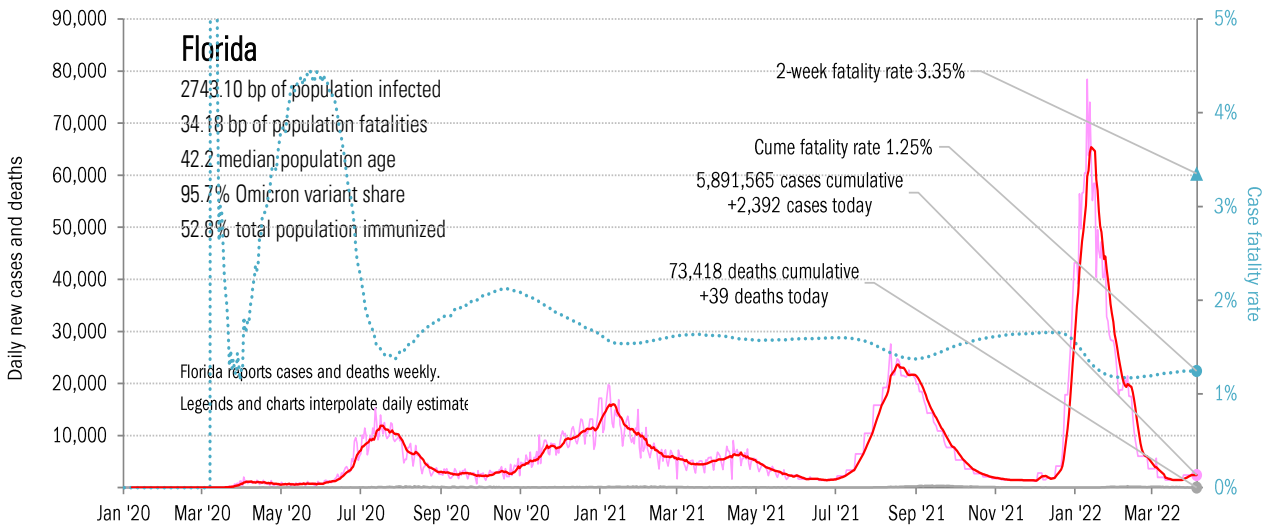
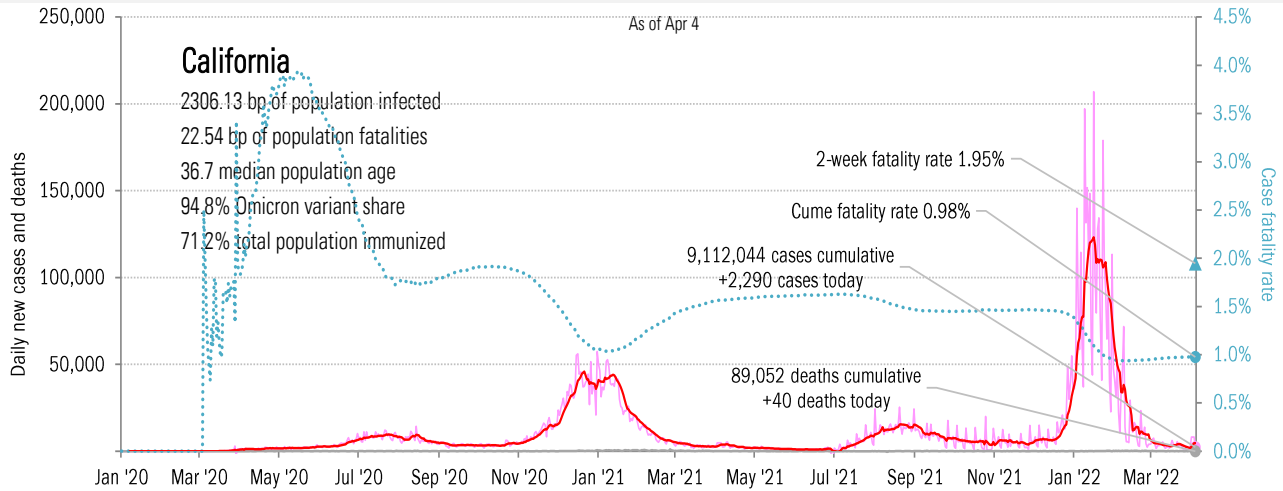
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

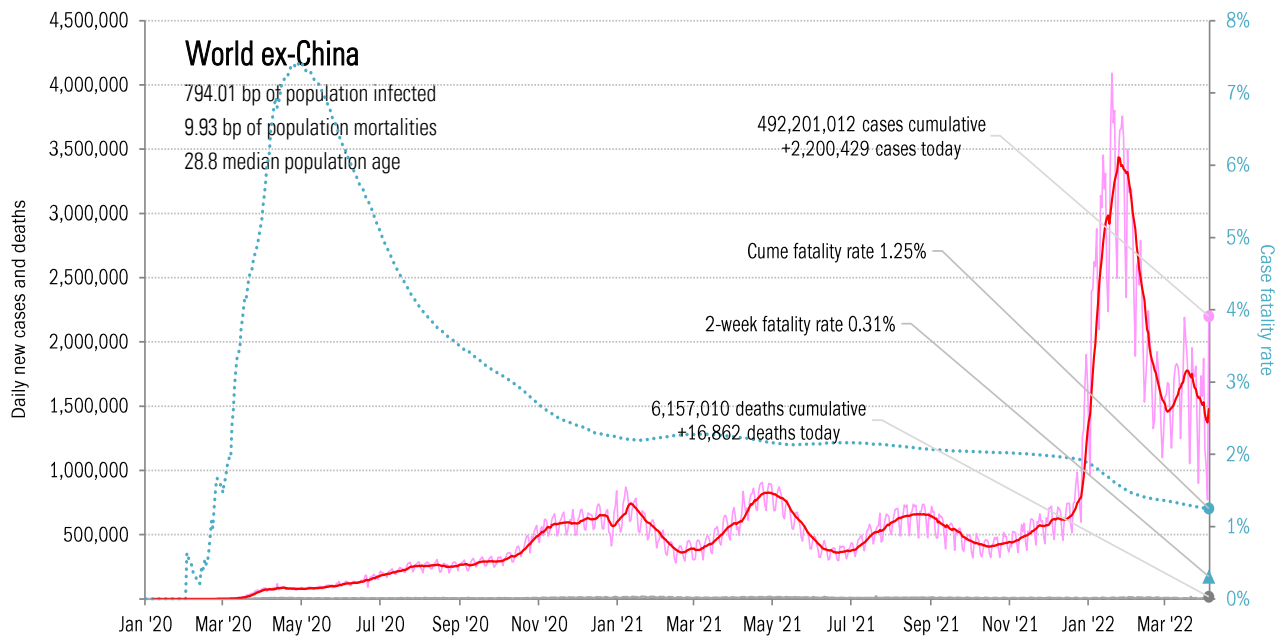
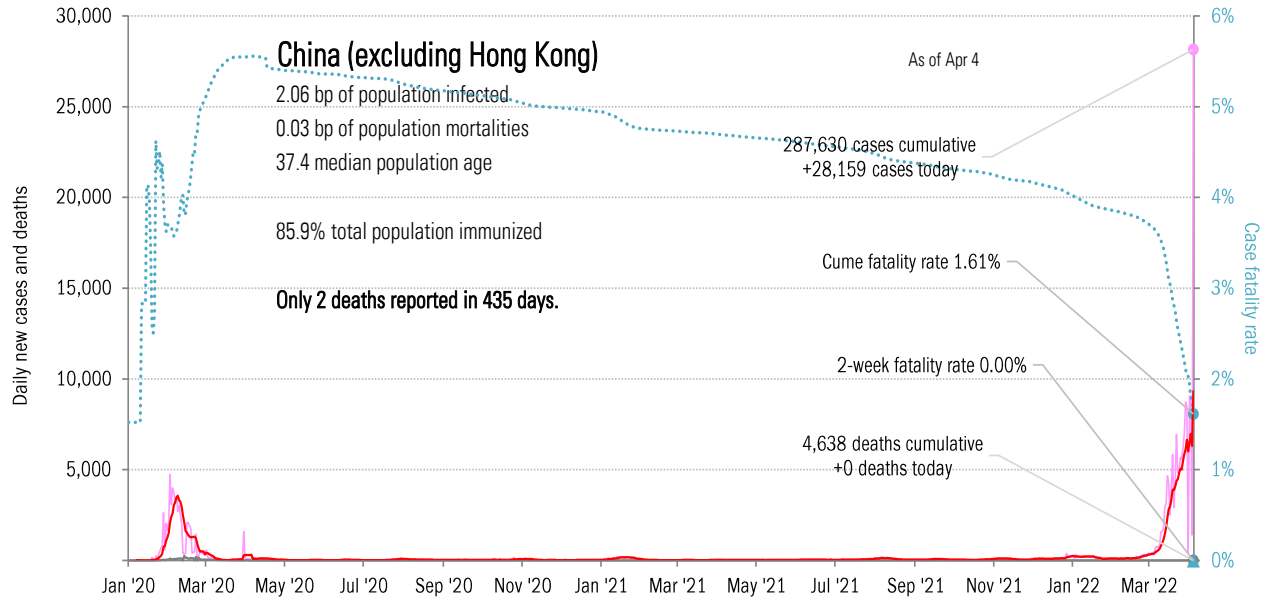
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

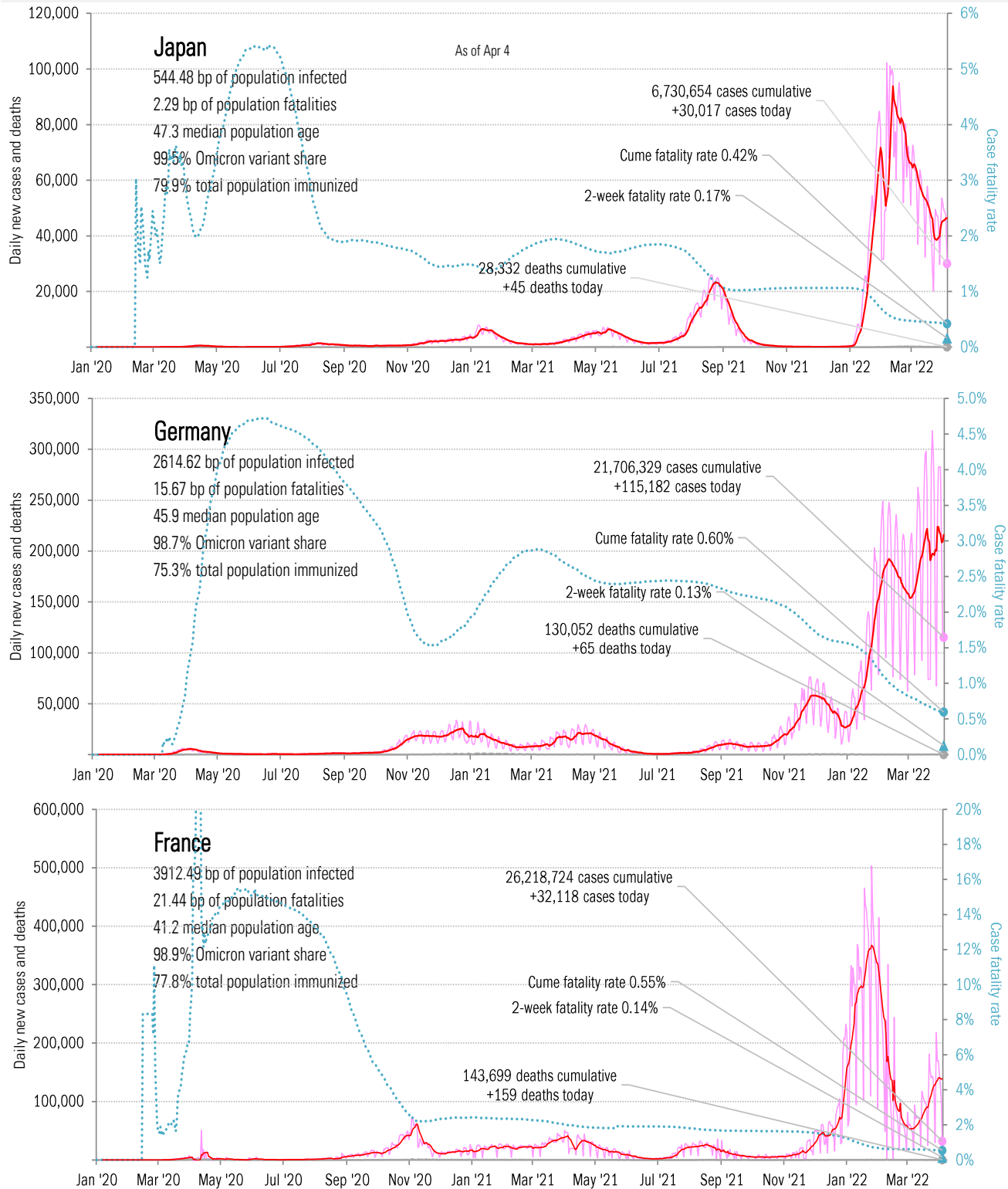
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

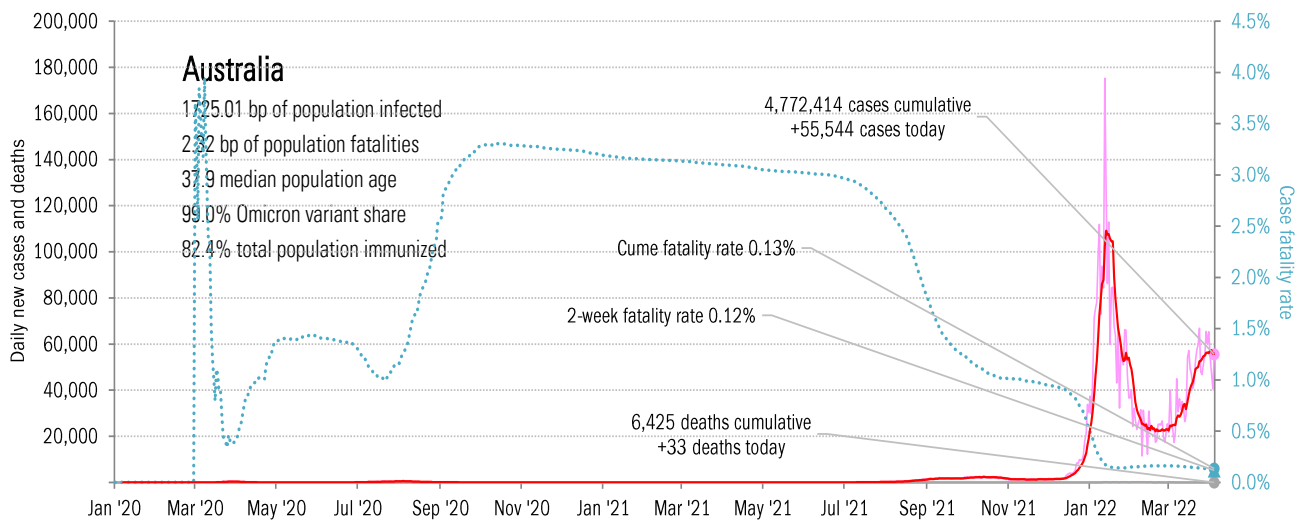
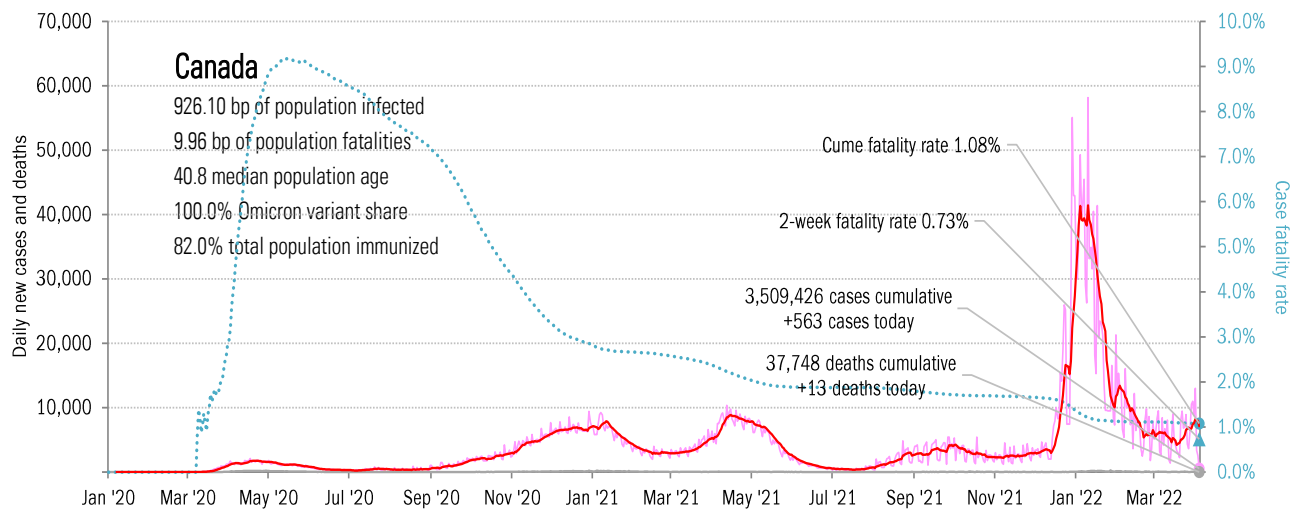
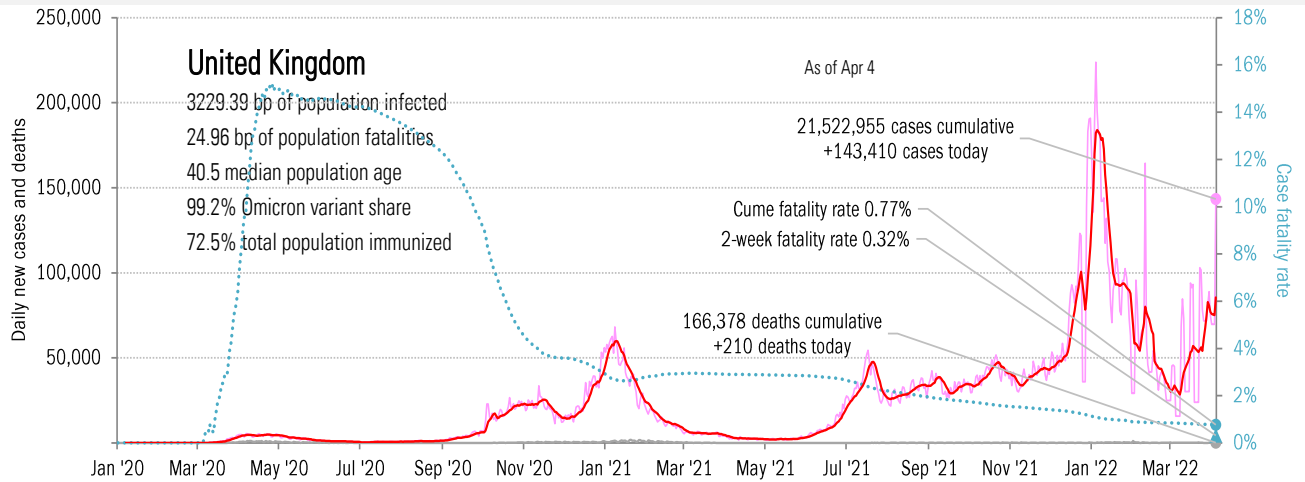
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

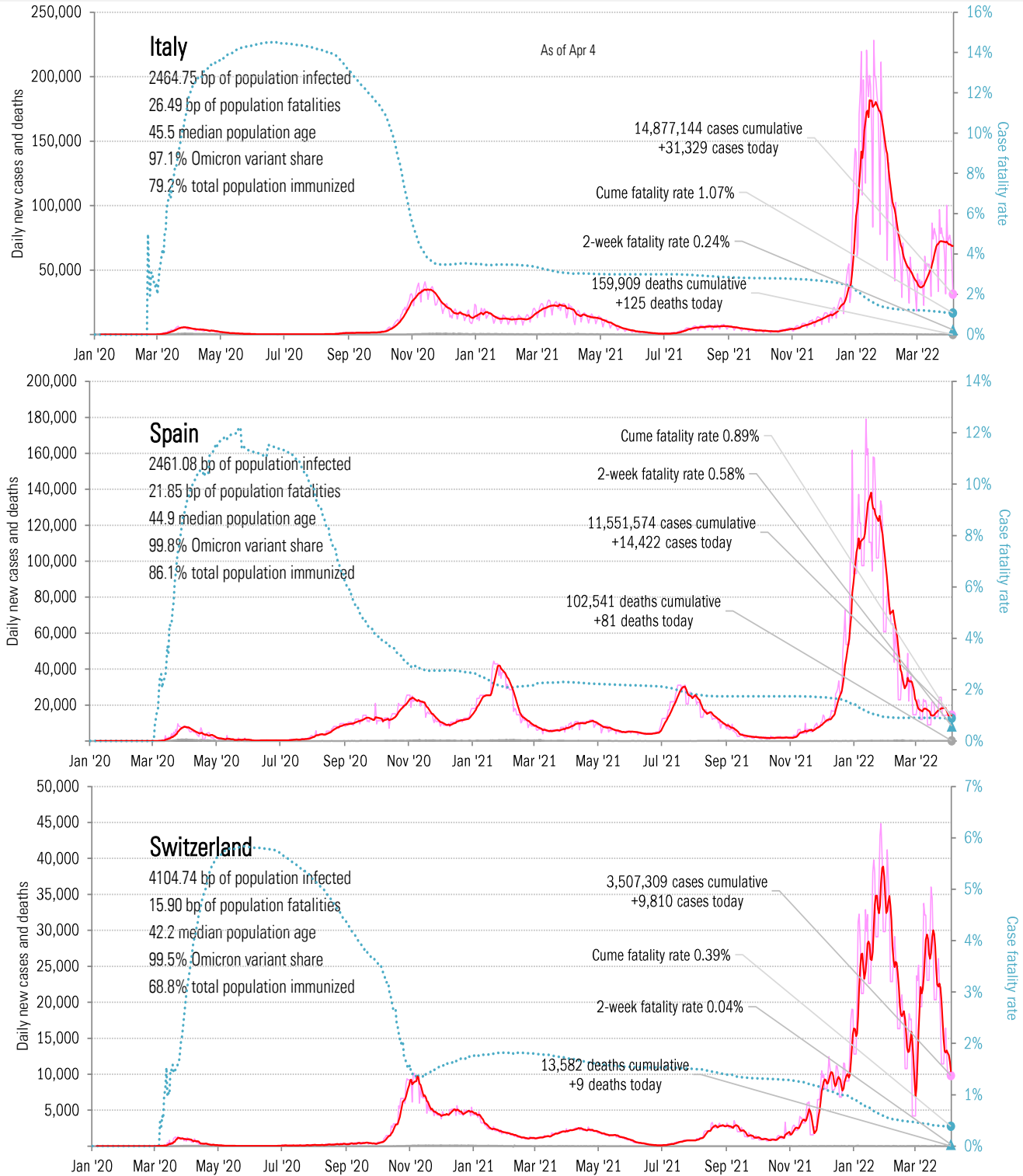
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

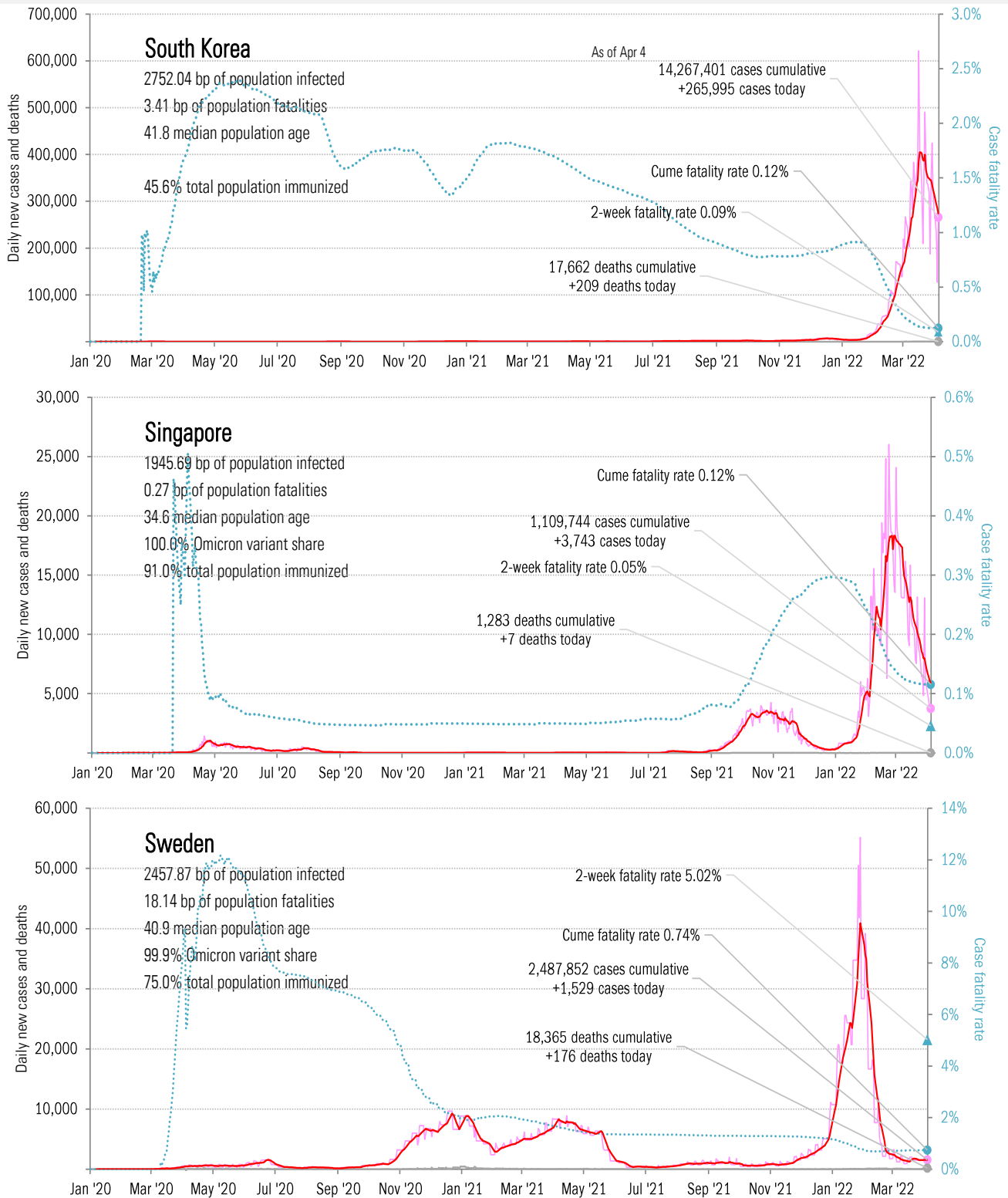
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

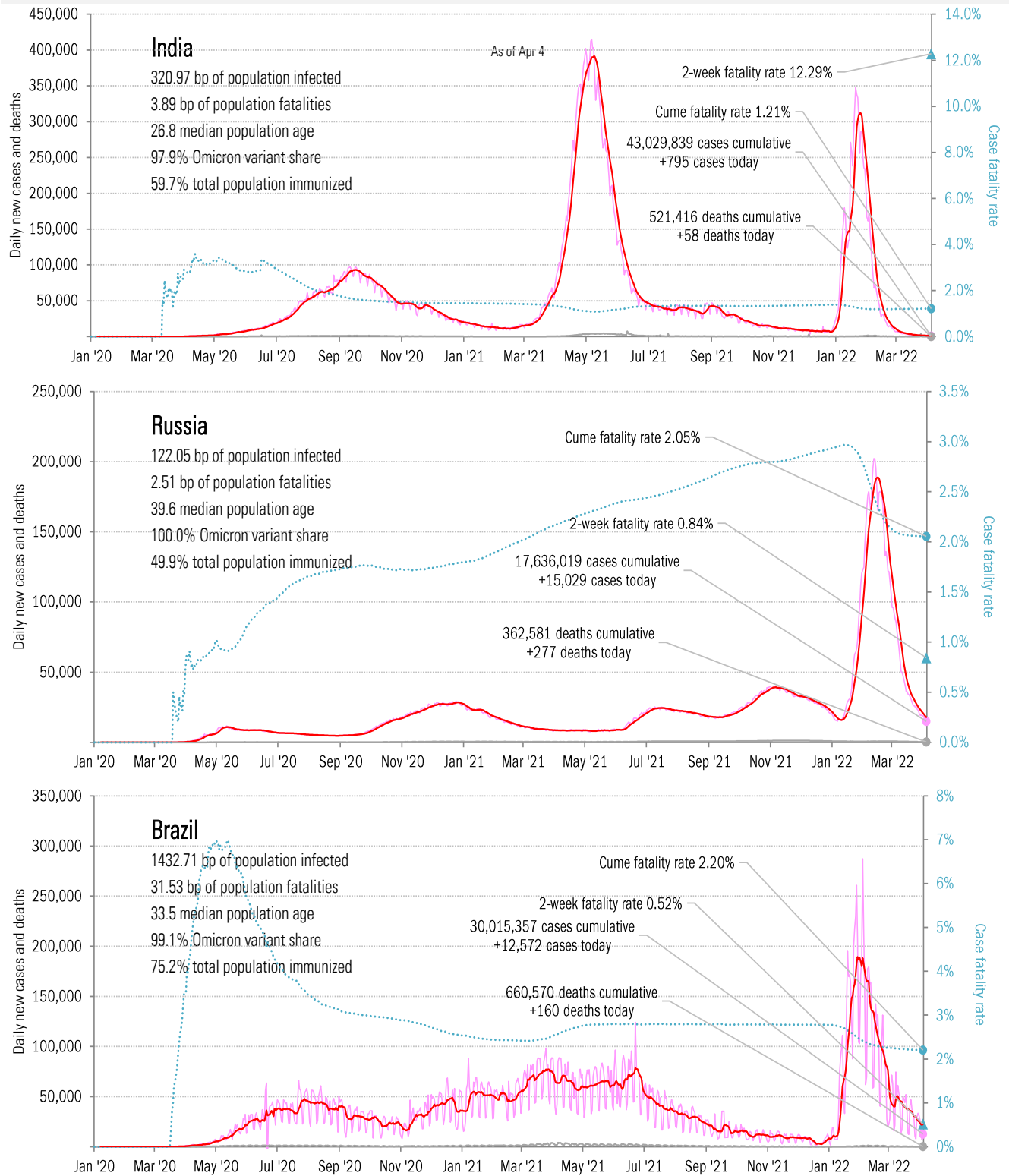
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

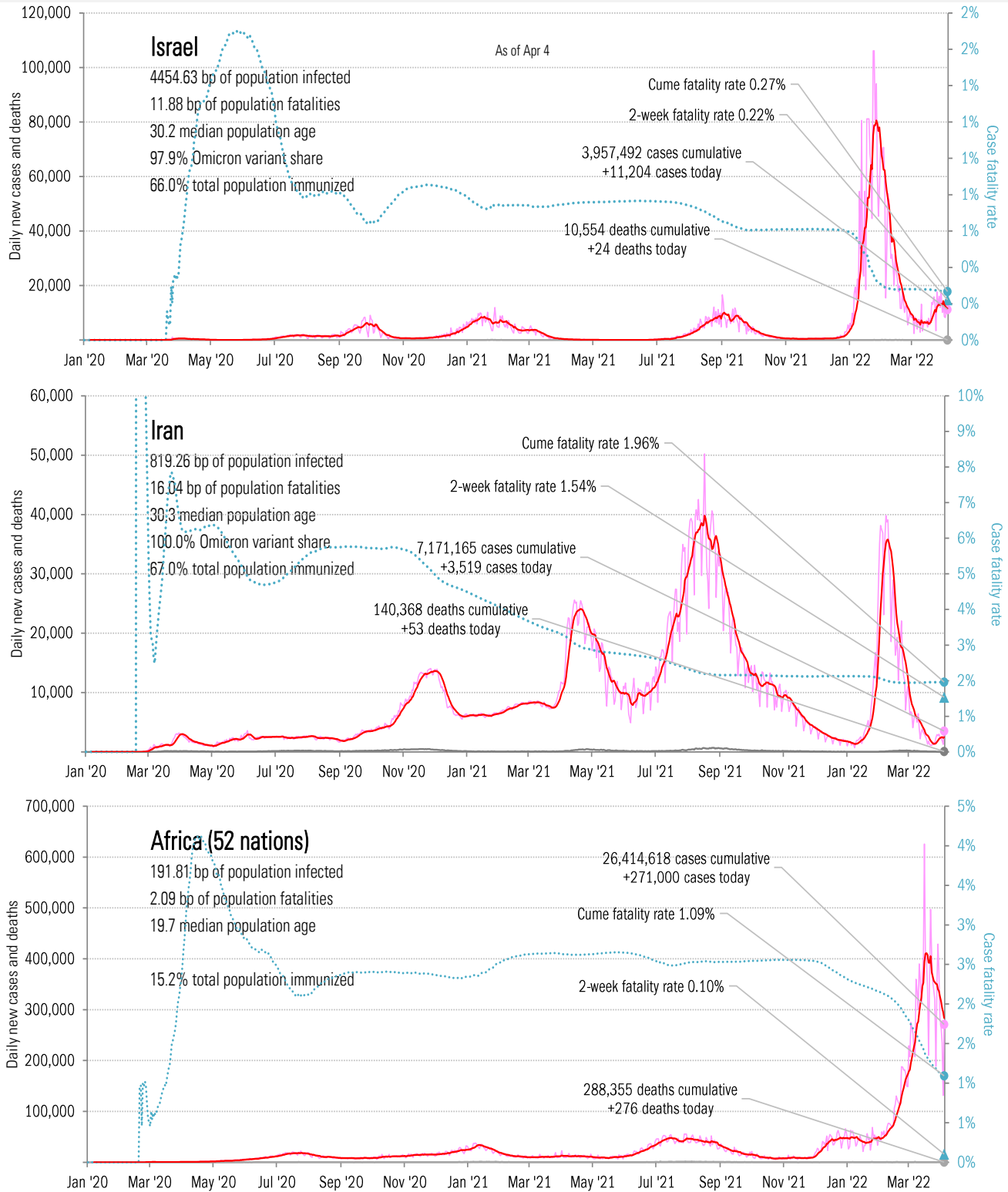
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

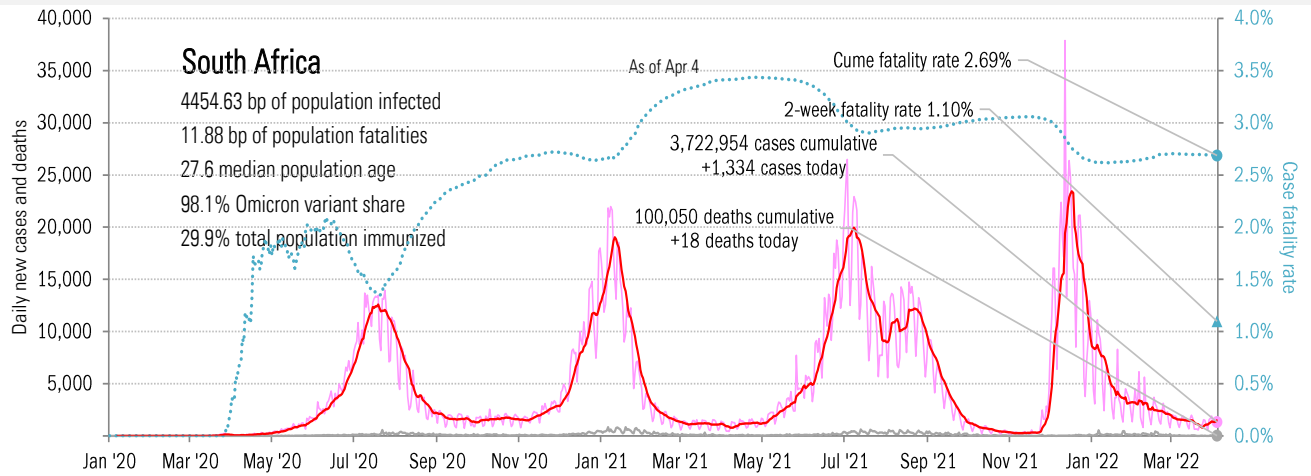
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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