

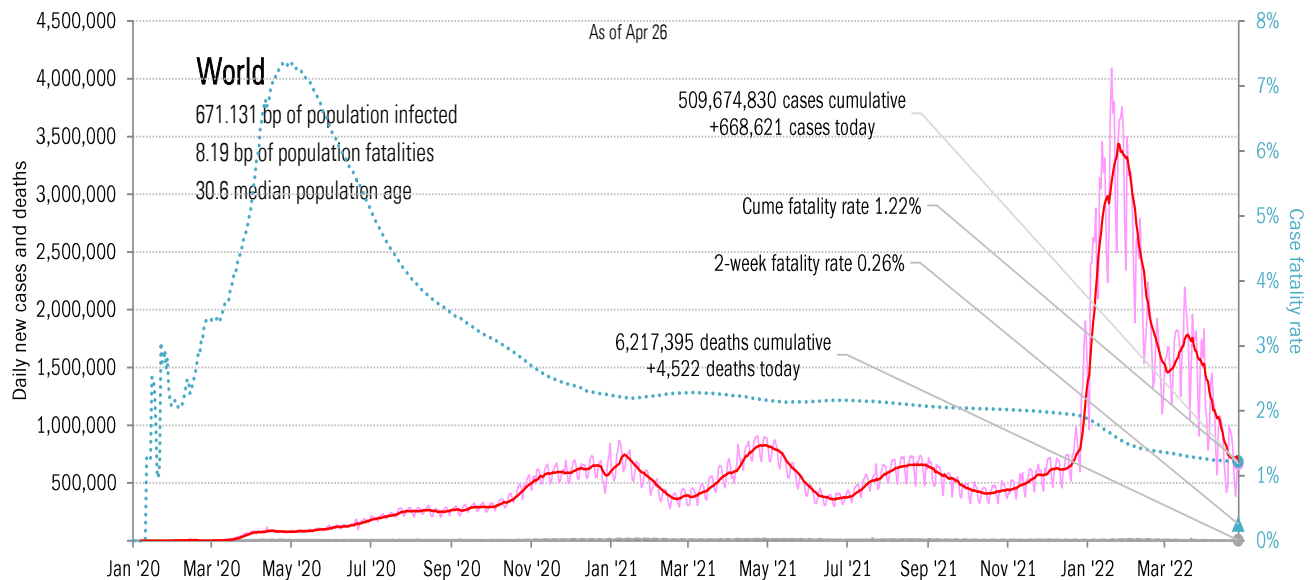
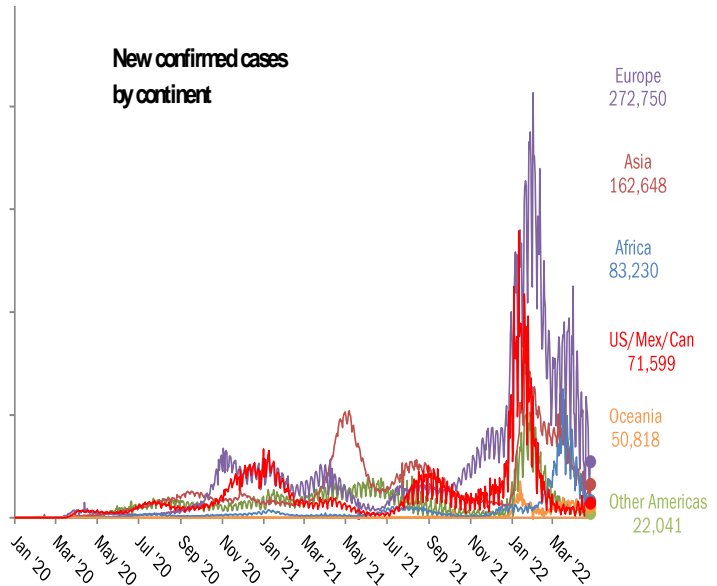
Data Insights: Covid-2019 Monitor

Wednesday, April 27, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
France	97,498	India	1,431
Korea, South	76,761	United States	518
United States	62,819	United Kingdom	452
Vietnam	48,431	Spain	319
Spain	47,421	Korea, South	223
Japan	40,432	Russia	171
Australia	39,909	France	170
Italy	29,984	Italy	146
China	29,609	Brazil	144
Switzerland	22,743	Thailand	125
495,607		3,699	
World	668,621	World	4,522
Top ten	74%	Top ten	82%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

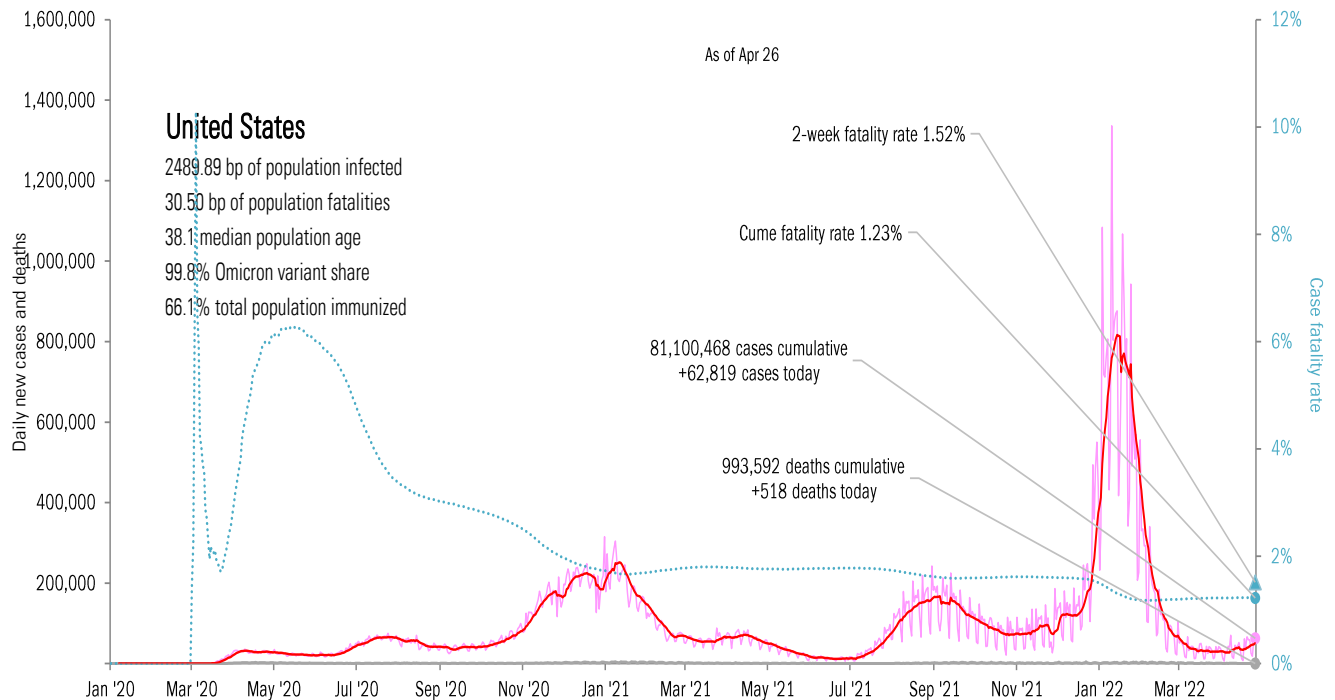
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	16,389		CA	103		MI	100		CA	9,213,640		CA	90,136		TX	489,728		RI	87%	NM	82%
WA	5,984		MT	22		IL	94		TX	6,814,011		TX	88,042		CA	425,952		MA	82%	KY	82%
FL	5,196		WV	21		NY	228		FL	5,938,893		FL	74,002		FL	416,209		WA	82%	TX	79%
NY	5,096		FL	19		MN	41		NY	5,135,657		NY	68,264		NY	249,813		MN	81%	DC	78%
TX	3,058		NY	18		NC	49		IL	3,124,700		PA	44,616		GA	207,464		DE	80%	NH	78%
NJ	2,726		VA	18		LA	30		PA	2,810,781		CH	38,360		CH	191,290		MO	80%	RI	78%
MA	2,616		TX	16		AL	24		CH	2,688,327		GA	37,659		PA	176,888		DC	79%	WA	76%
MN	2,558		CO	13		DE	9		NC	2,647,650		IL	36,017		IL	158,139		PA	79%	DE	76%
IL	2,509		NJ	12		ID	9		GA	2,509,160		MI	35,935		MI	142,197		WV	79%	MA	75%
MD	2,101		NM	11		FL	133		MI	2,411,464		NJ	33,407		KY	133,109		MD	78%	MO	75%
48,233			253			717			43,294,283			546,438			2,590,789						
All states	62,819		518		1,685			All states	81,100,468		993,592		4,704,408		All states	70%	67%				
Top ten	77%		49%		43%			Top ten	53%		55%		55%		Median	72%	70%				

Some states not reporting

Five most improved US states

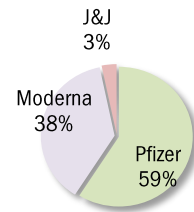
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IL	-5,646	FL	-135	CA	-55	CO	+10 bp
MA	-3,133	MT	-16	TX	-54	RI	+10 bp
AZ	-3,020	CO	-15	FR	-35	TN	+10 bp
IN	-2,454	MA	-14	OR	-30	VT	+10 bp
VA	-1,975	IL	-10	MA	-24	AK	+0 bp



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	588,809,015		+0.377 million	US	66.1%	77.5%
Boosters	101,527,318		+0.060 million	UK	72.9%	77.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,104,023	79%	225,714,613	68%	+0.026 million	Spain 86.4% 88.1%
Age 12 to 17	17,698,698	70%	15,094,232	60%	+0.002 million	Germany 75.4% 76.0%
Age 18 to 64	178,337,396	88%	151,281,648	74%	+0.012 million	Italy 79.4% 84.1%
Age 65 and over	58,804,812	100%	51,082,579	93%	+0.009 million	Australia 83.4% 86.4%



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

AK	69.7%
	62.2%

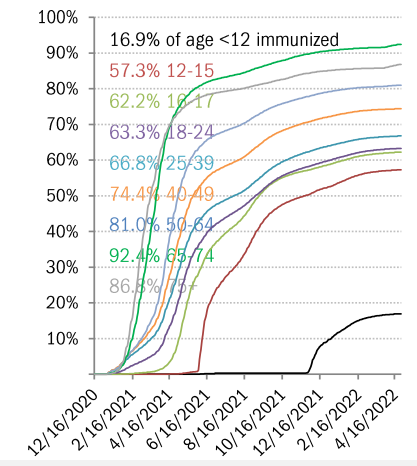
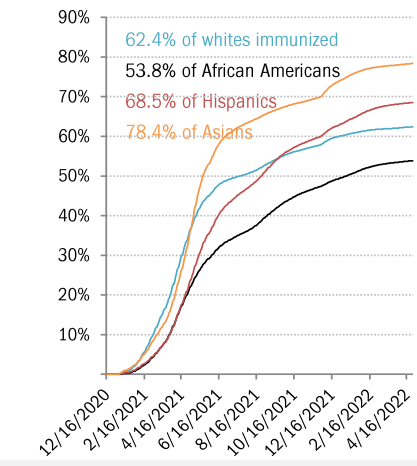
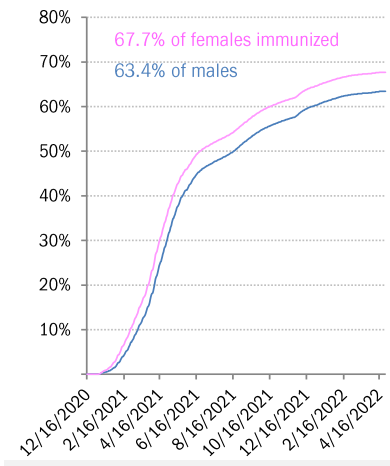
Israel	66.0%	72.2%
Canada	82.2%	88.6%
Japan	80.5%	81.8%
Africa	16.2%	21.3%
India	61.2%	71.9%
Brazil	76.4%	85.3%
China	86.3%	88.8%

Global data differs due to sources, timing

As of Apr 26

					WI					ME
					71.8%					90.3%
					65.5%					79.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.7%	61.0%	65.2%	64.8%	75.0%	76.6%	66.9%		90.1%	93.4%	87.9%
72.5%	54.0%	56.7%	54.9%	69.1%	68.6%	60.1%		76.8%	81.1%	70.1%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.8%	75.1%	58.7%	76.4%	67.9%	61.4%	63.5%	84.7%	90.3%	95.0%	
69.5%	60.7%	51.5%	61.3%	61.9%	54.8%	58.3%	68.3%	75.5%	78.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.6%	72.0%	79.3%	70.2%	66.1%	66.1%	64.9%	85.6%	86.3%	95.0%	95.0%
72.0%	64.2%	70.2%	63.5%	56.0%	57.3%	57.5%	73.1%	75.5%	79.1%	82.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.9%	87.5%	74.4%	66.6%	62.1%	84.0%	67.3%	95.0%	82.9%	
	61.5%	71.0%	61.3%	54.3%	54.5%	60.9%	56.6%	74.0%	68.9%	
			OK	LA	MS	AL	GA			
			71.0%	60.9%	59.5%	62.7%	65.3%			
			57.1%	53.4%	51.7%	51.0%	54.6%			
			TX					FL		PR
			73.0%					79.2%		94.9%
			61.3%					66.9%		82.9%

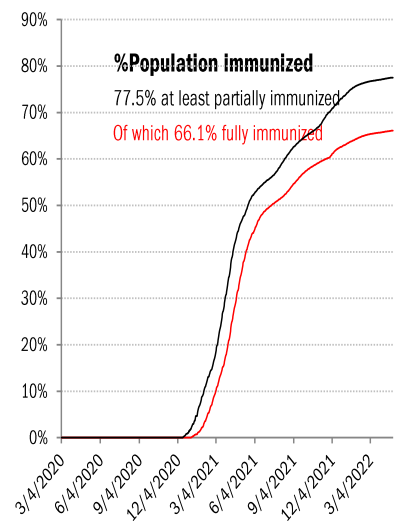
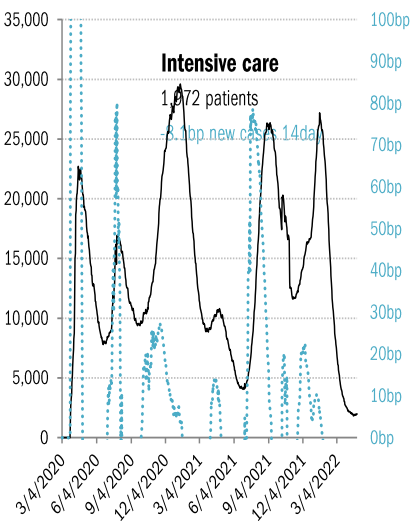
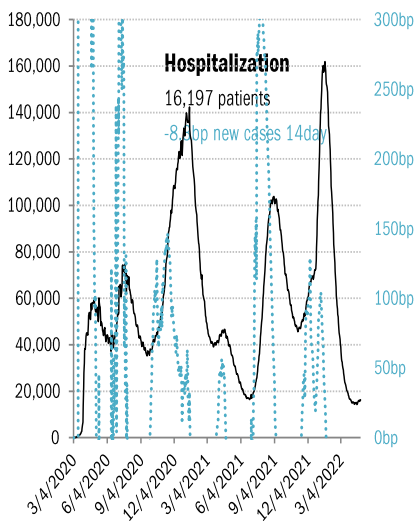
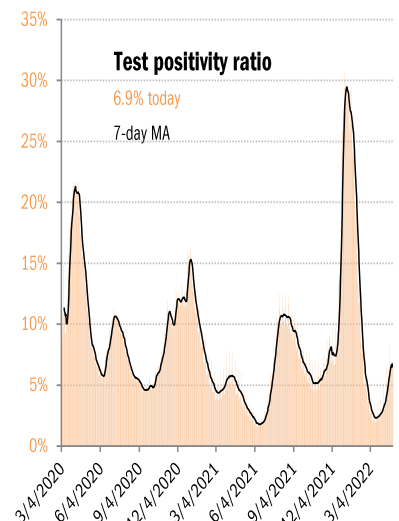
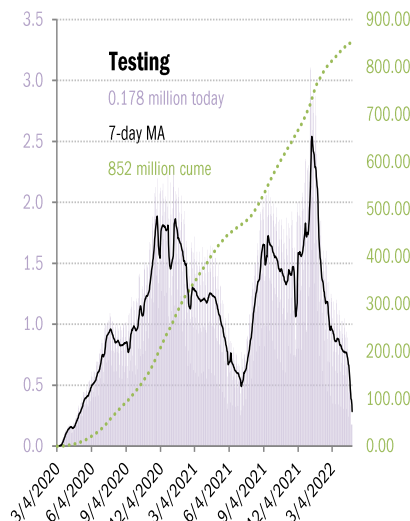
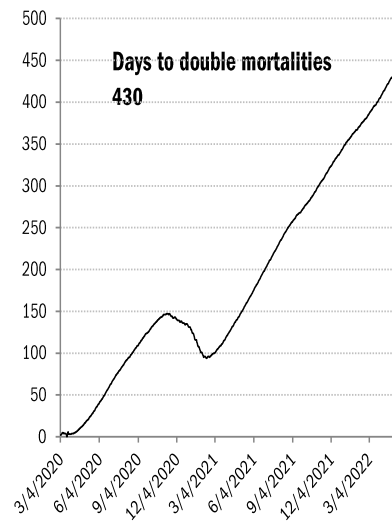
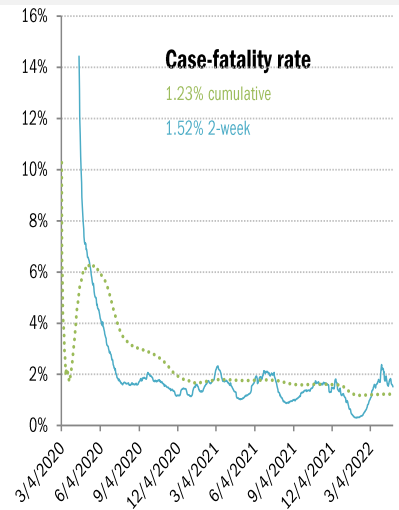
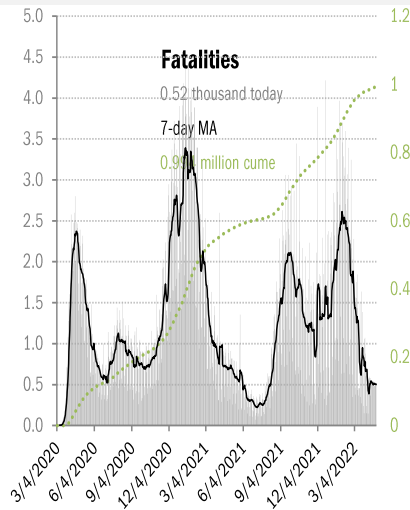
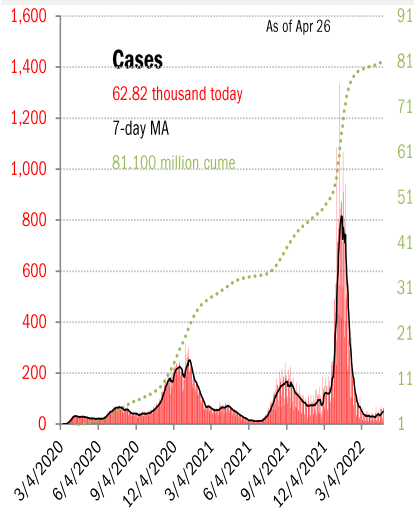
The demographics of US vaccination



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

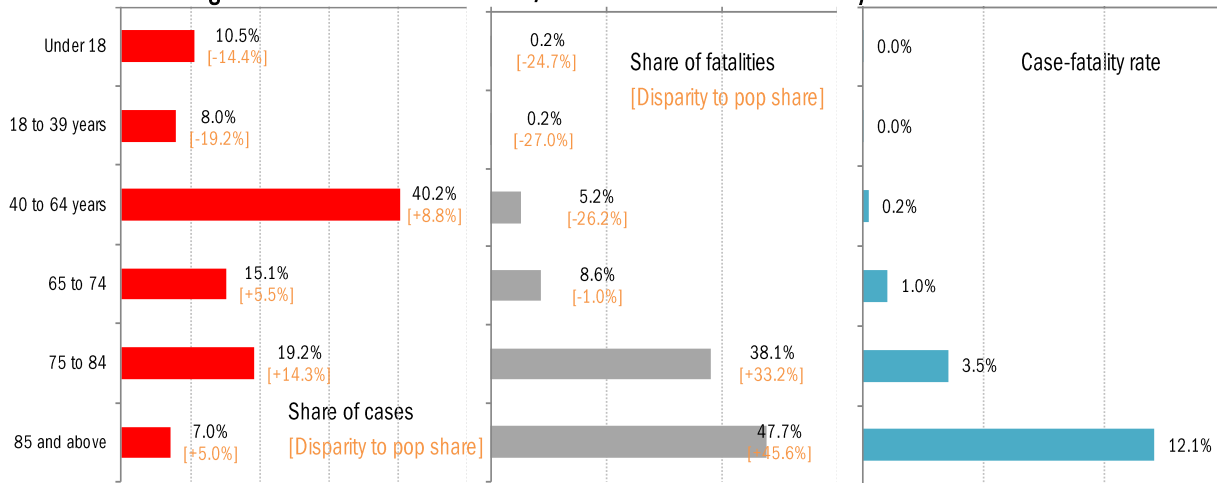
US deep-dive

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

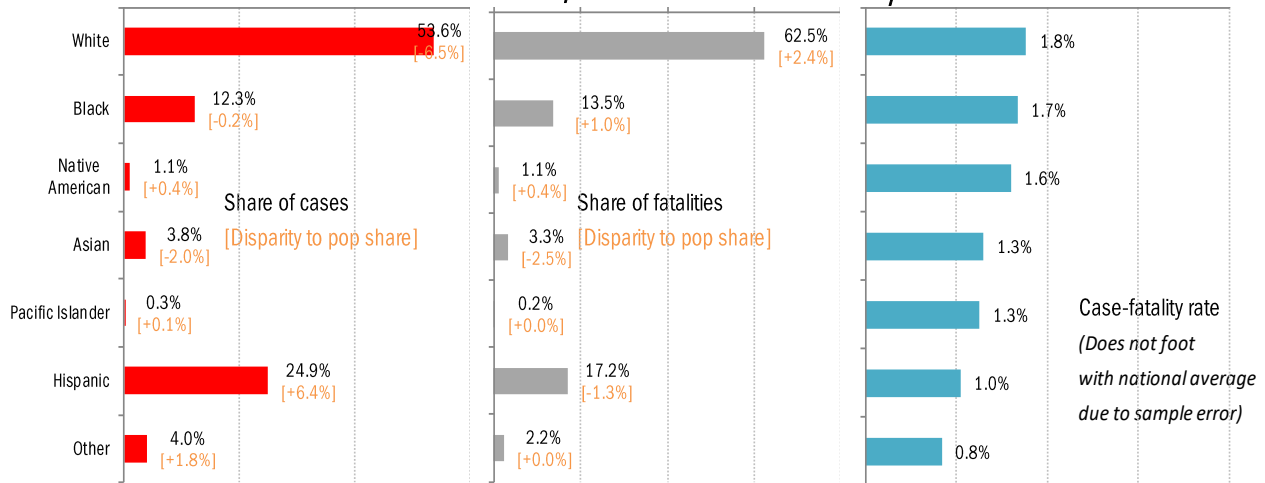


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

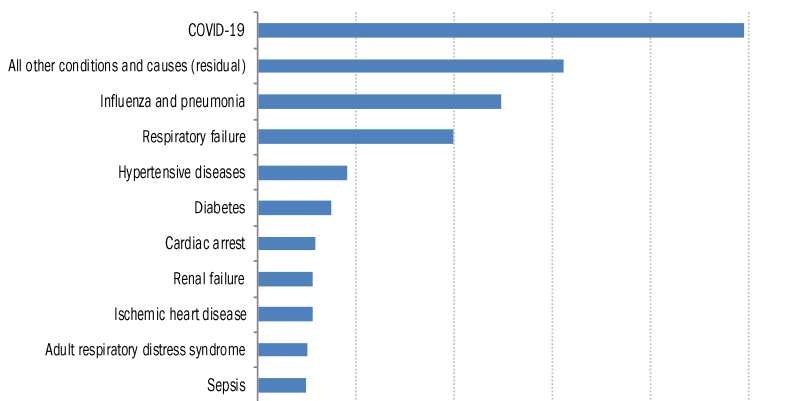


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Apr 17

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

[Seroprevalence of Infection-Induced SARS-CoV-2 Antibodies — United States, September 2021–February 2022](#)

Kristie E.N. Clarke et al.
CDC
April 26, 2022

[CDC estimates 3 in 4 kids have had coronavirus infections](#)

Mike Stobbe
AP
April 26, 2022

[Homeschooling surge continues despite schools reopening](#)

Carolyn Thompson
AP
April 26, 2022

[Report: Pandemic 'Erased' a Decade of Growth in Pre-K Enrollment](#)

Linda Jacobson
The 74
April 26, 2022

[Kamala Harris tests positive for Covid](#)

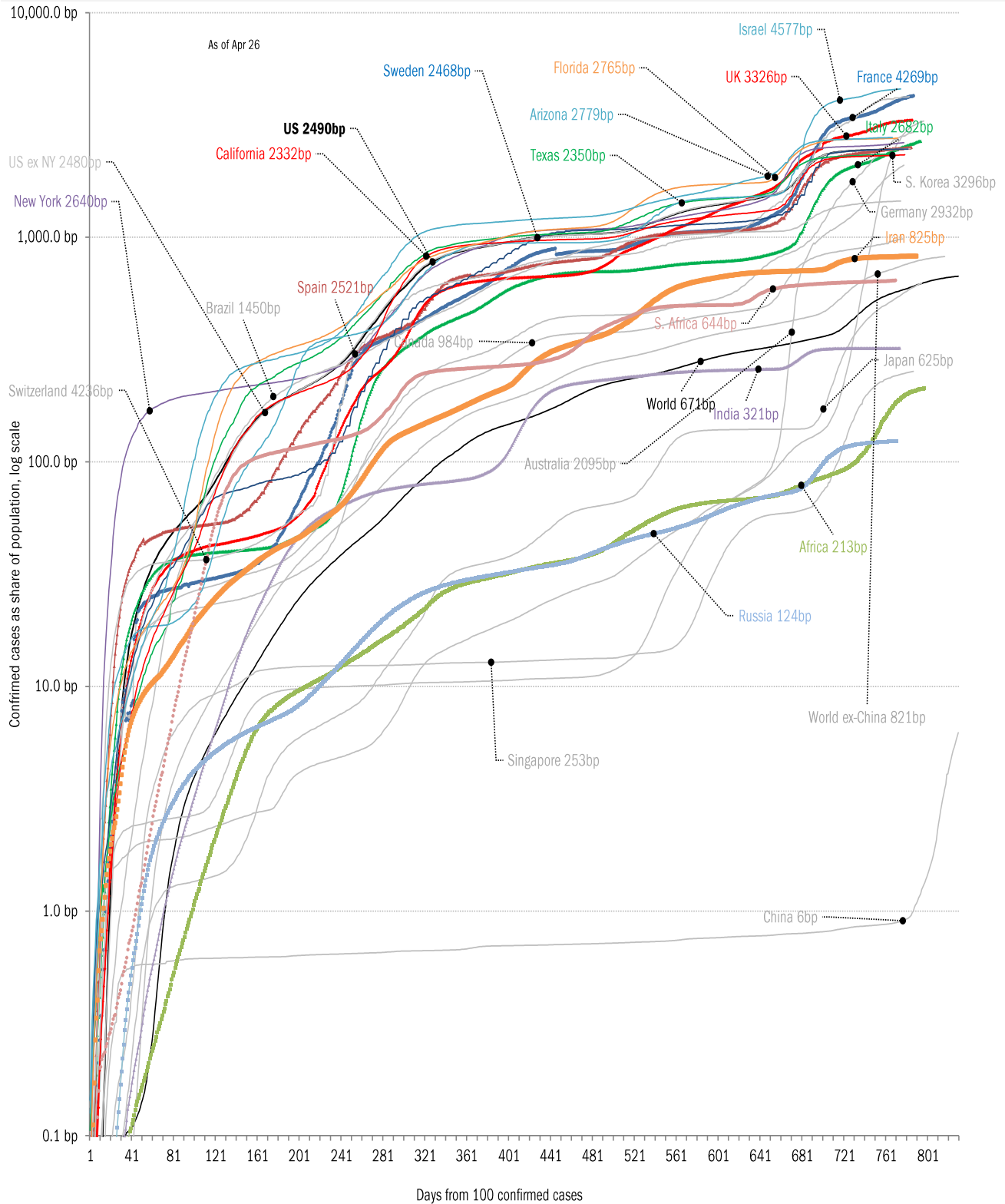
Myah Ward
Politico
April 26, 2022

Meme of the day



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

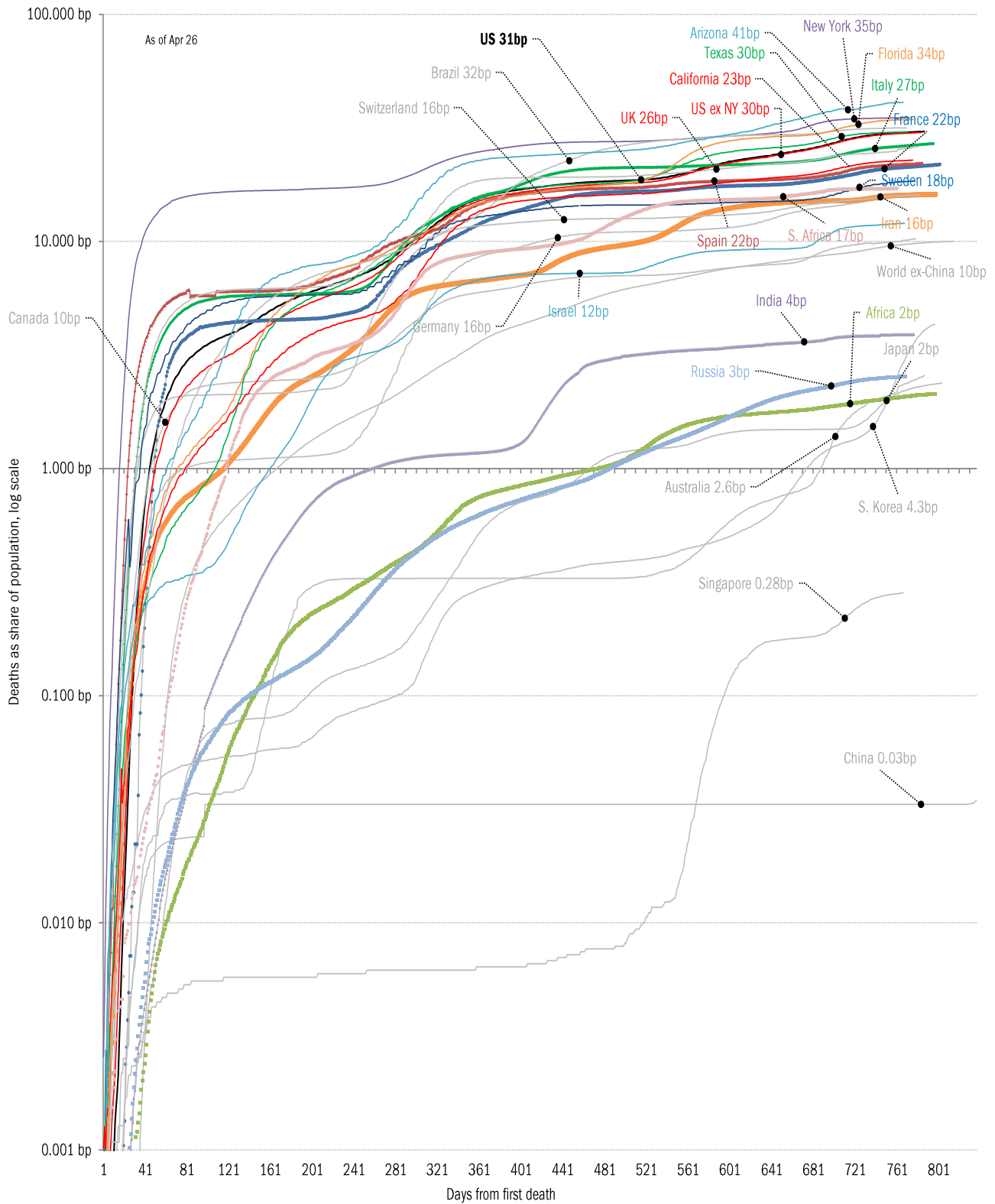
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

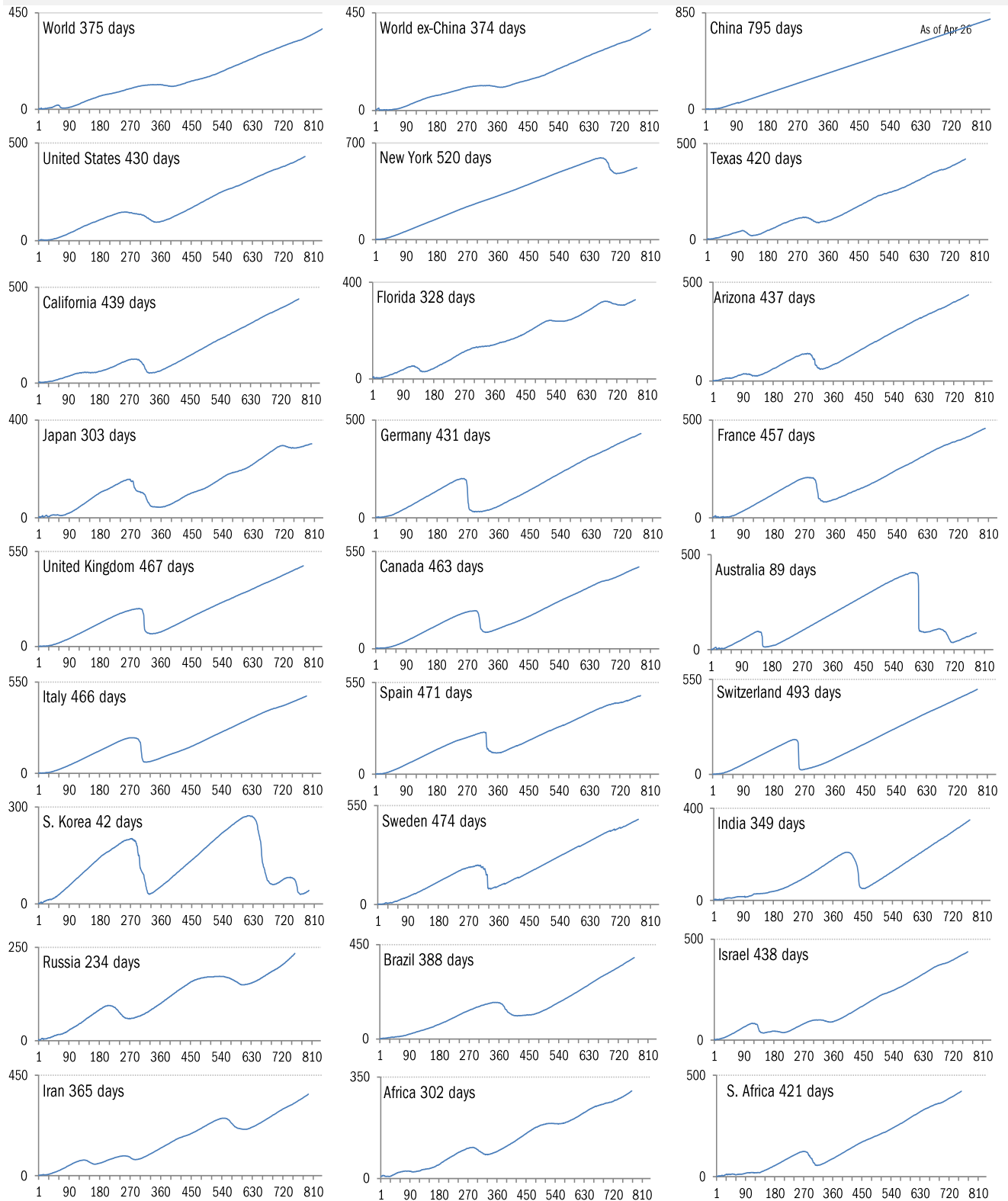


Source: [Johns Hopkins](#), TrendMacro calculations

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

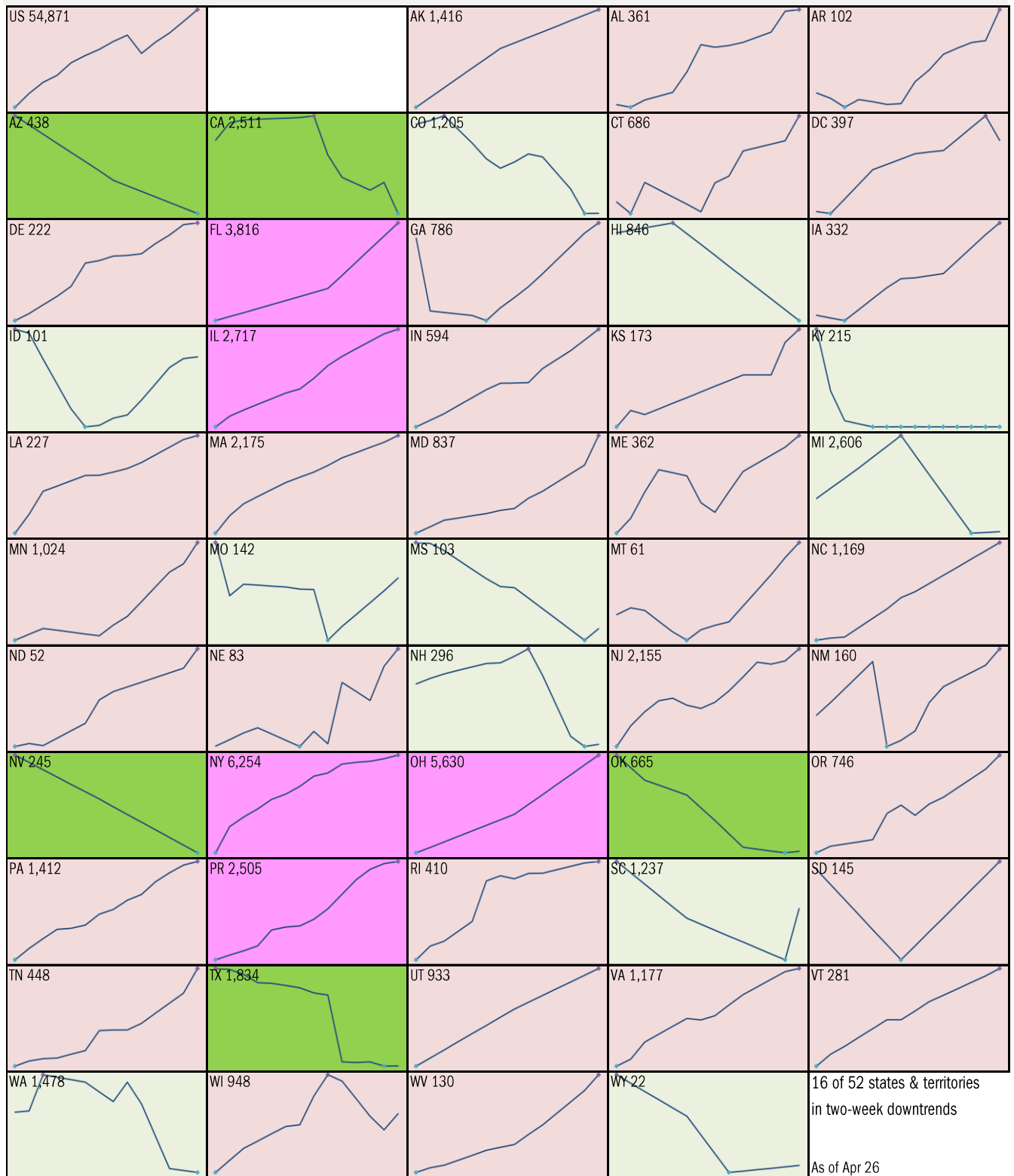


Source: [Johns Hopkins](#), TrendMacro calculations

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

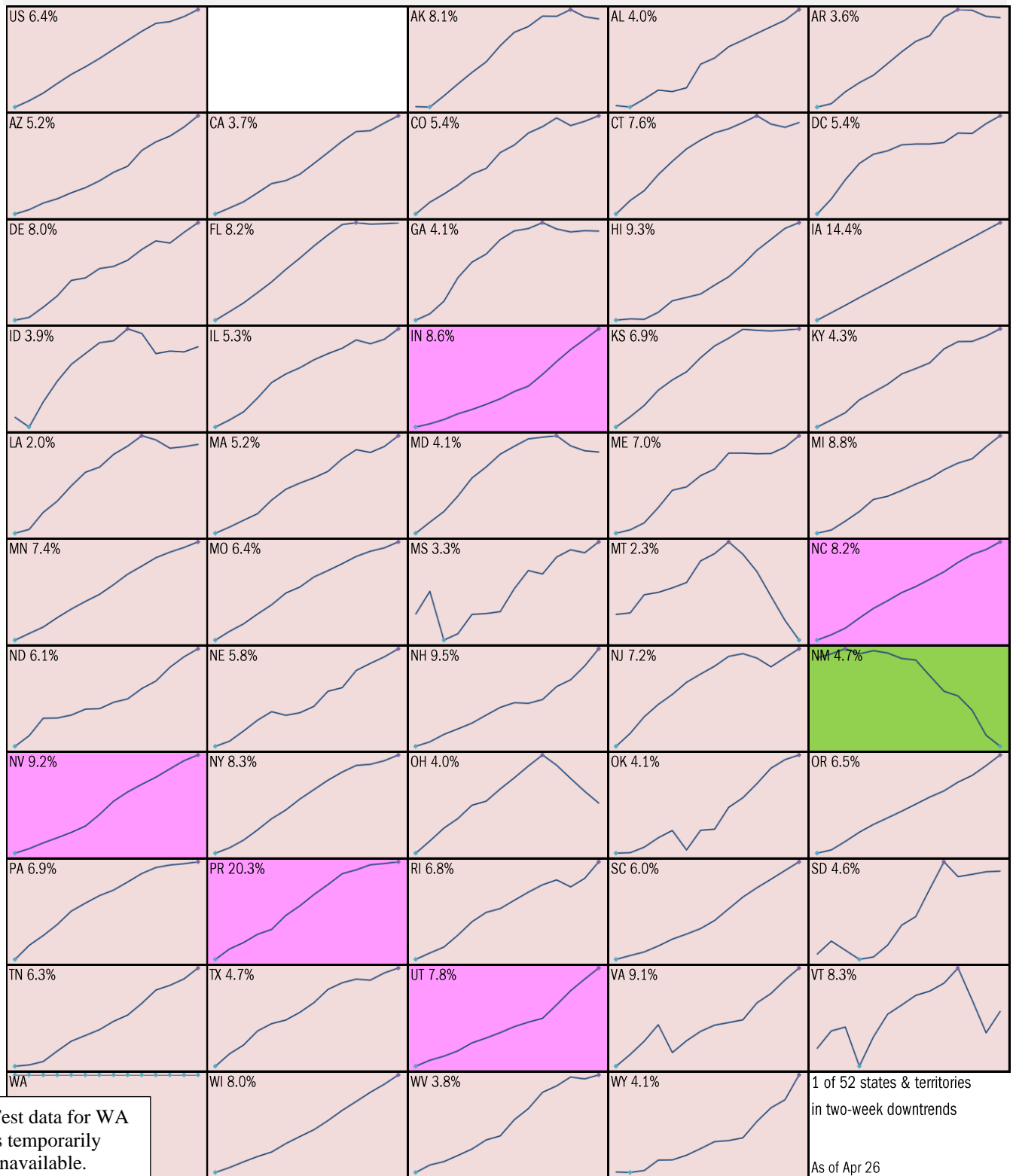


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

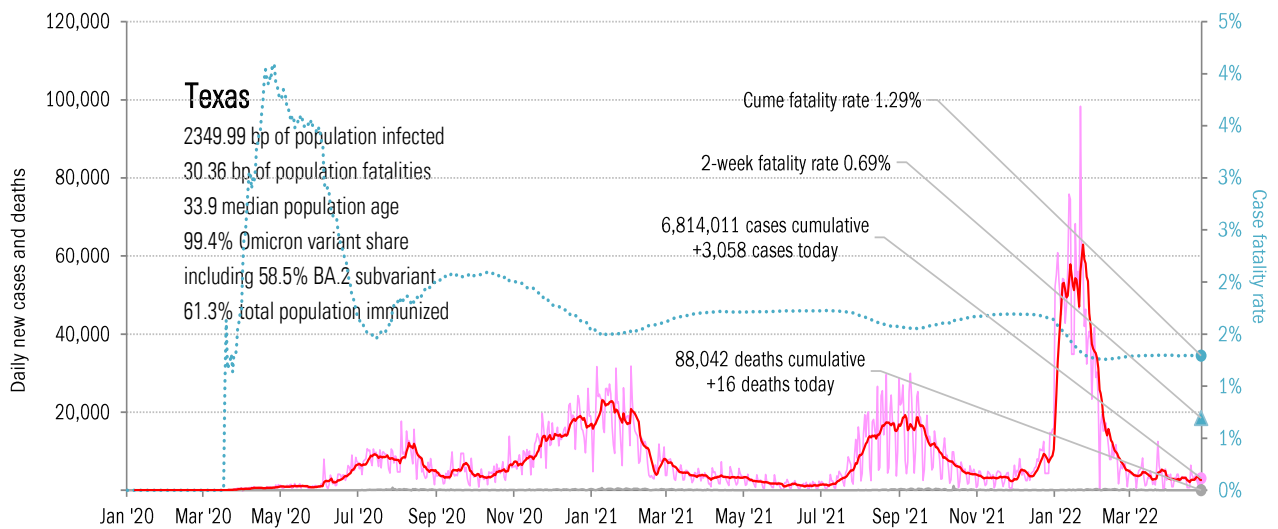
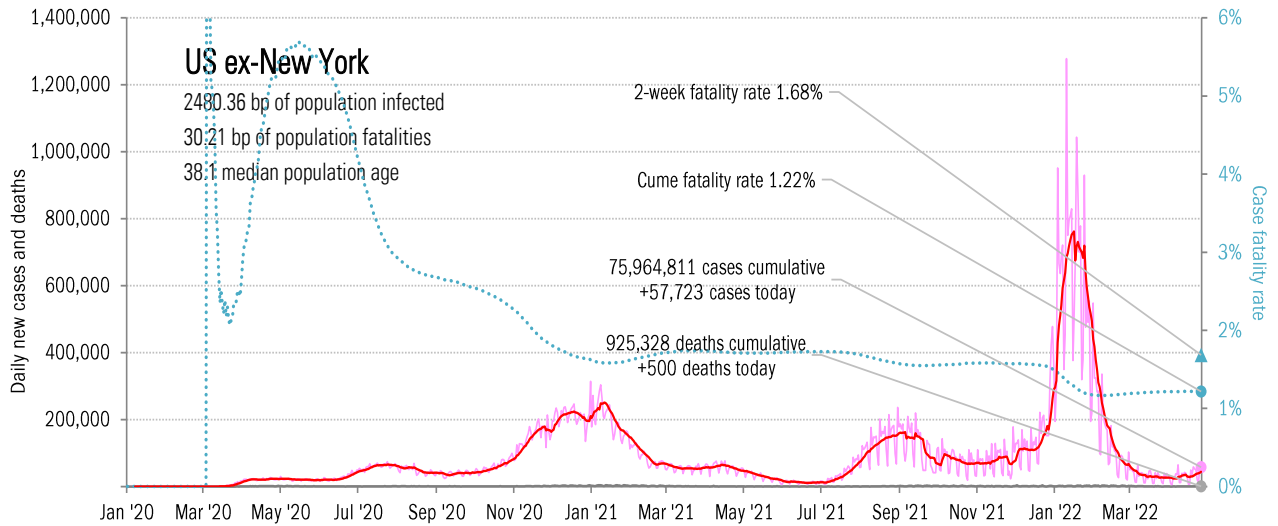
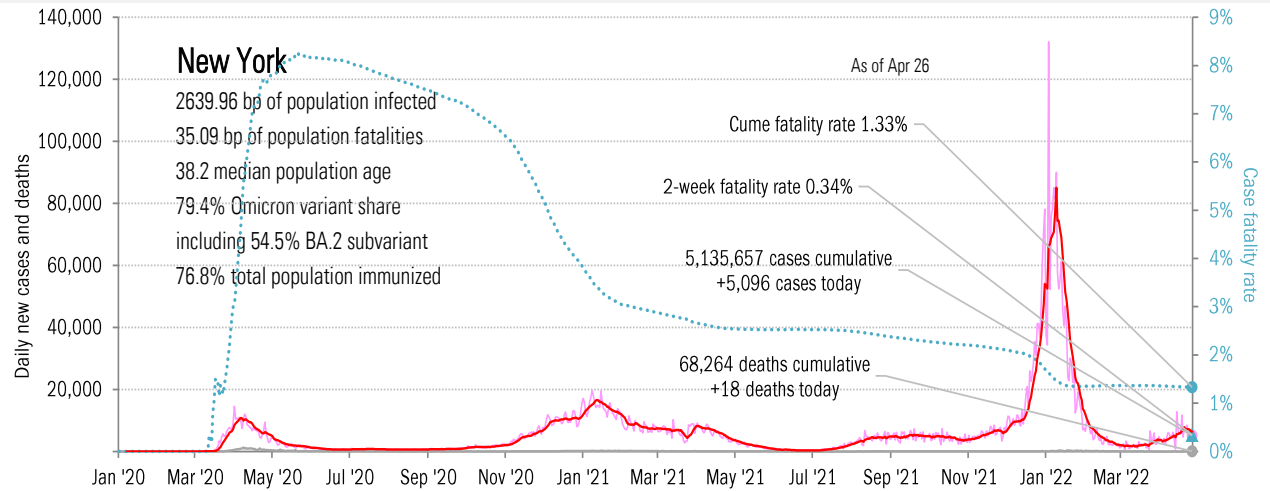
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

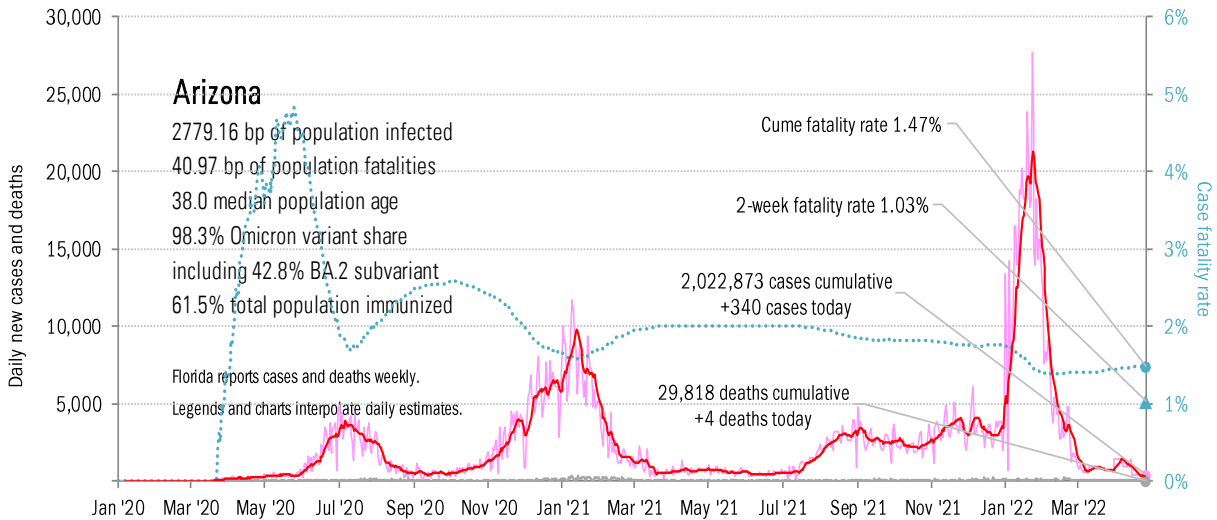
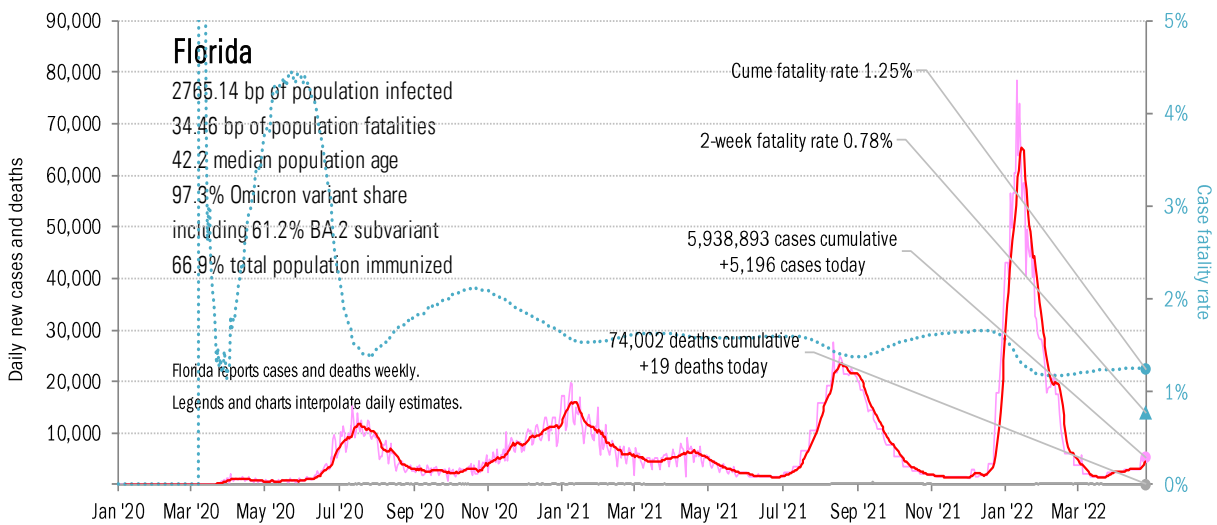
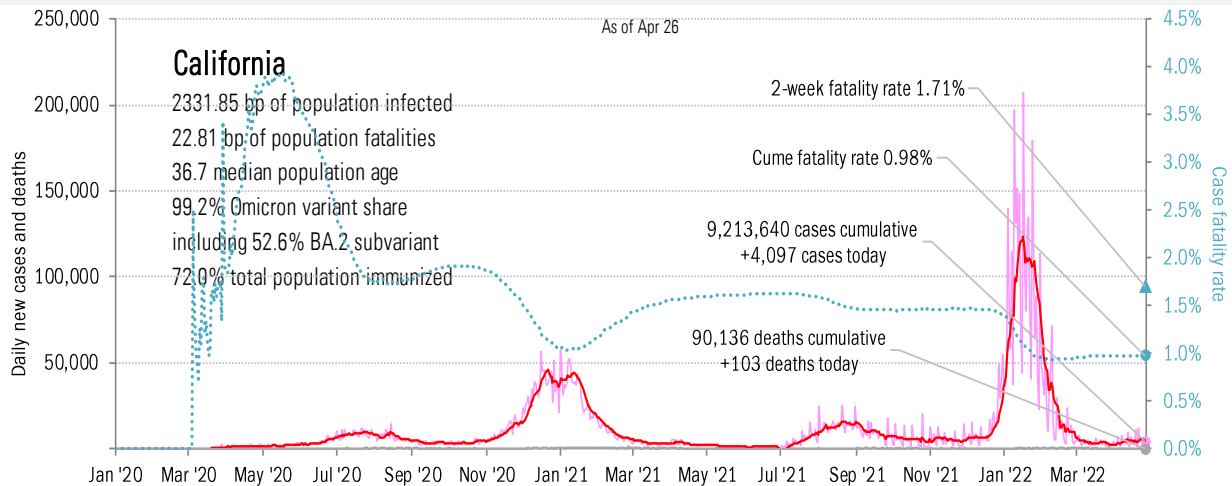
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

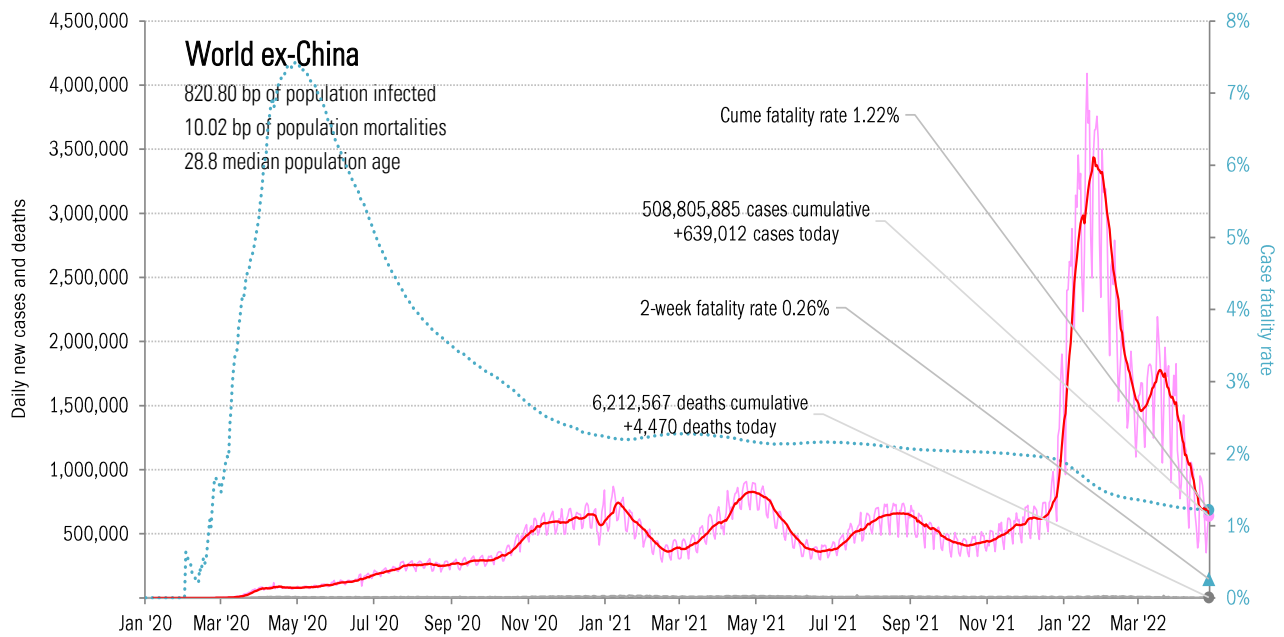
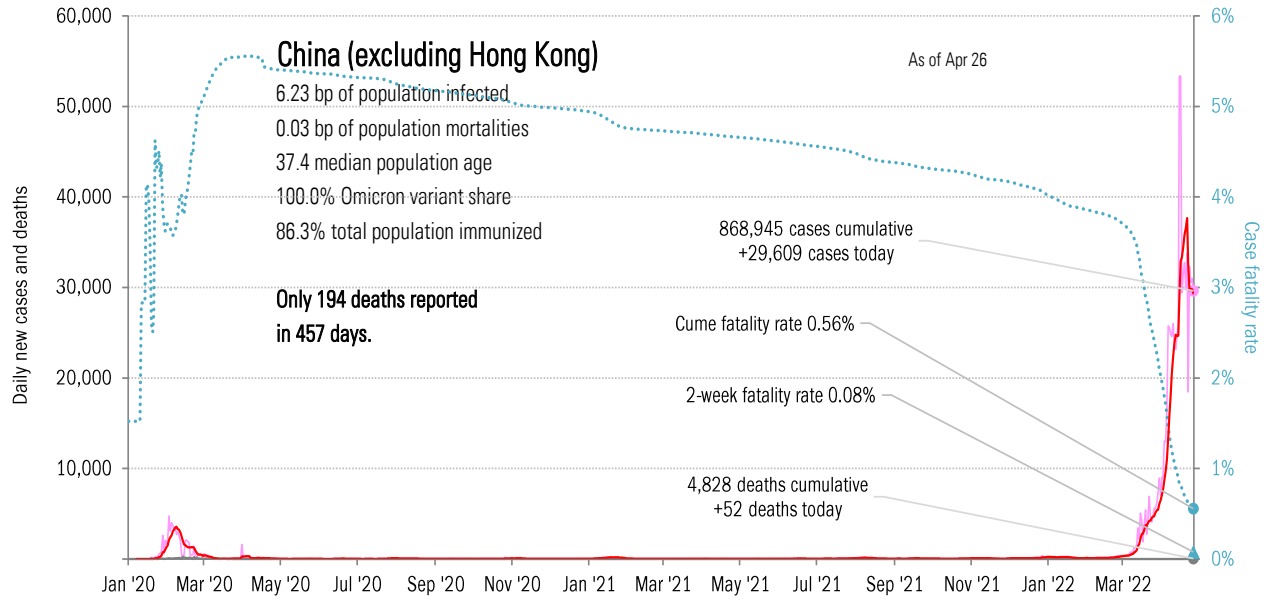
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

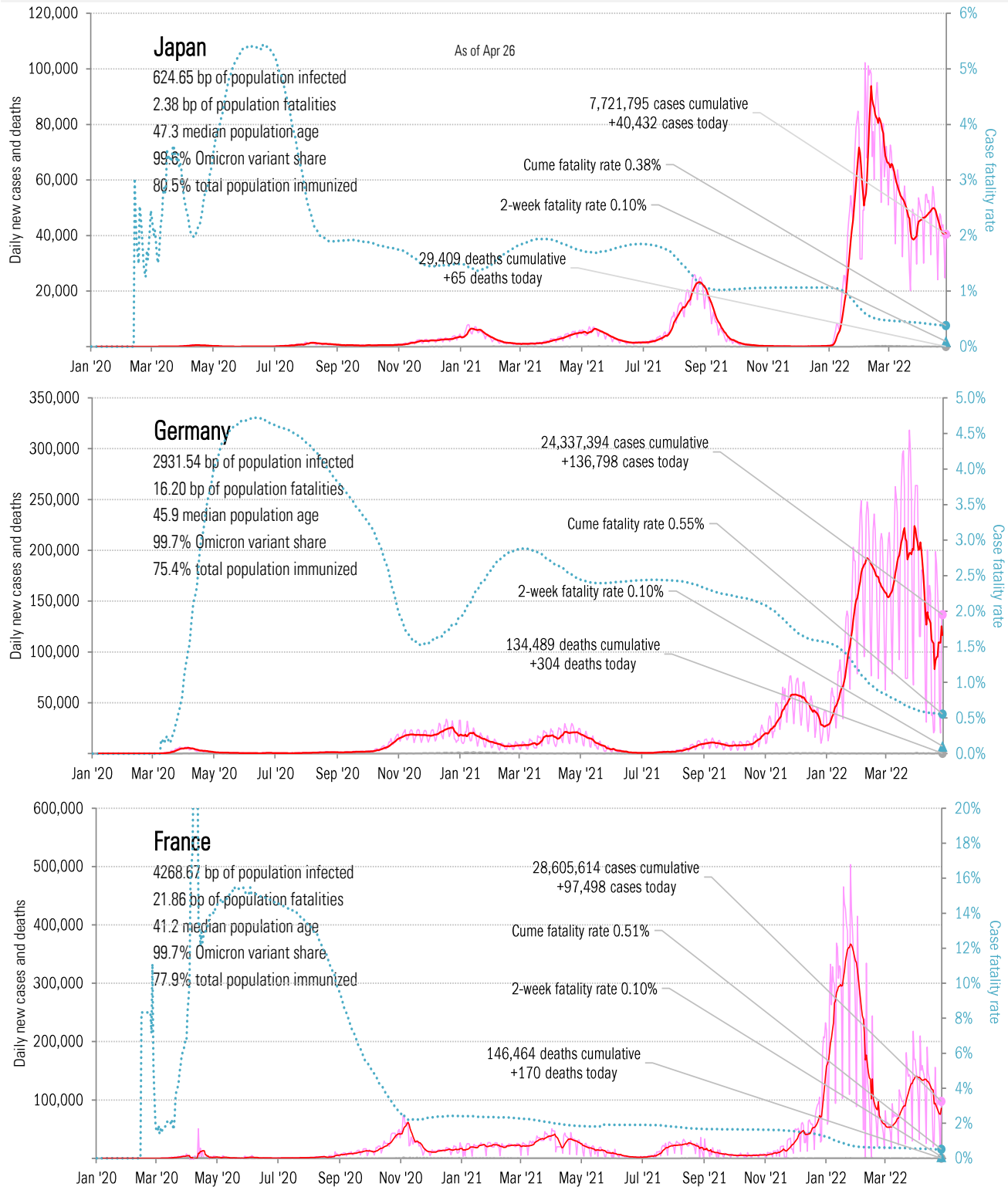
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

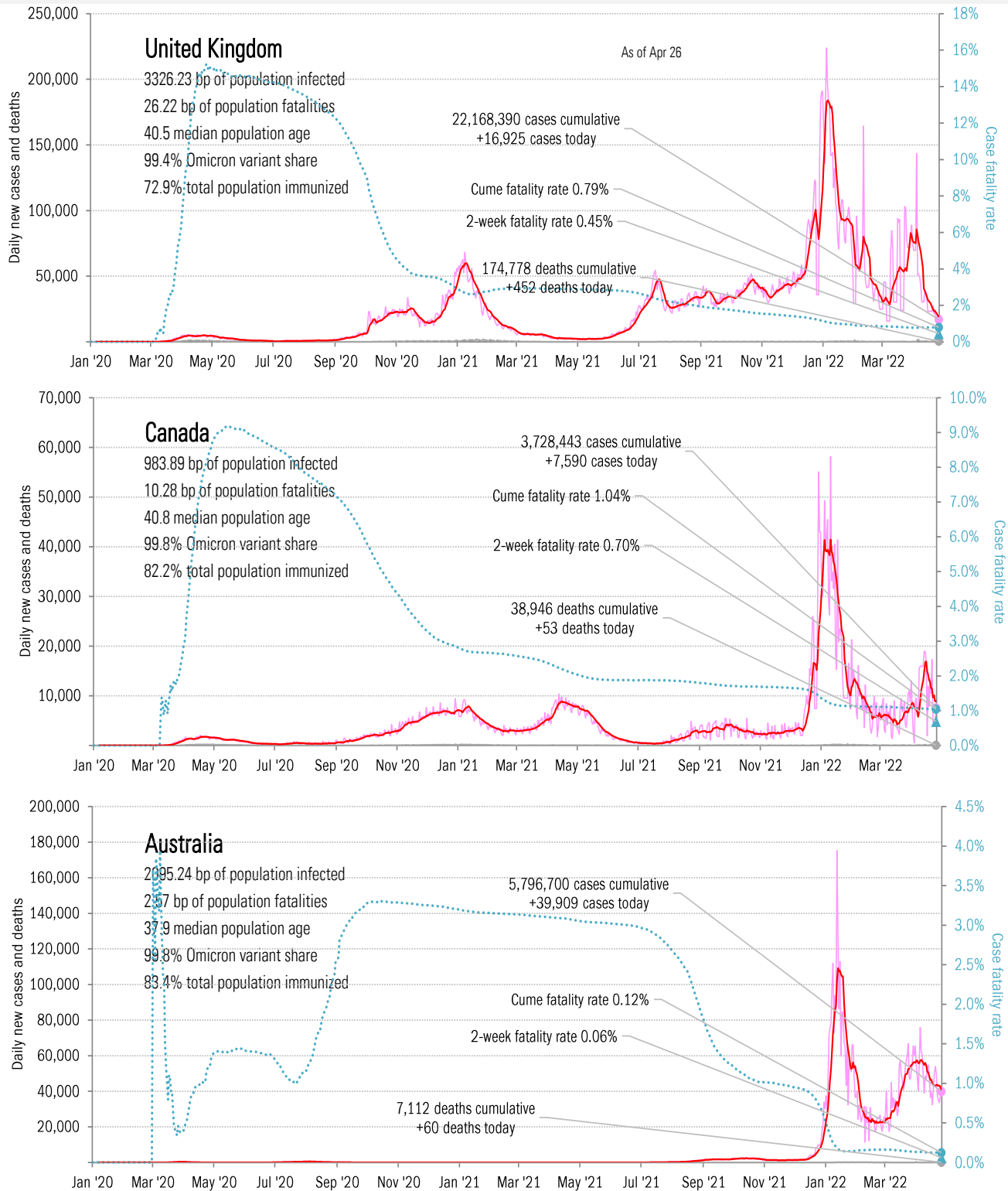
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

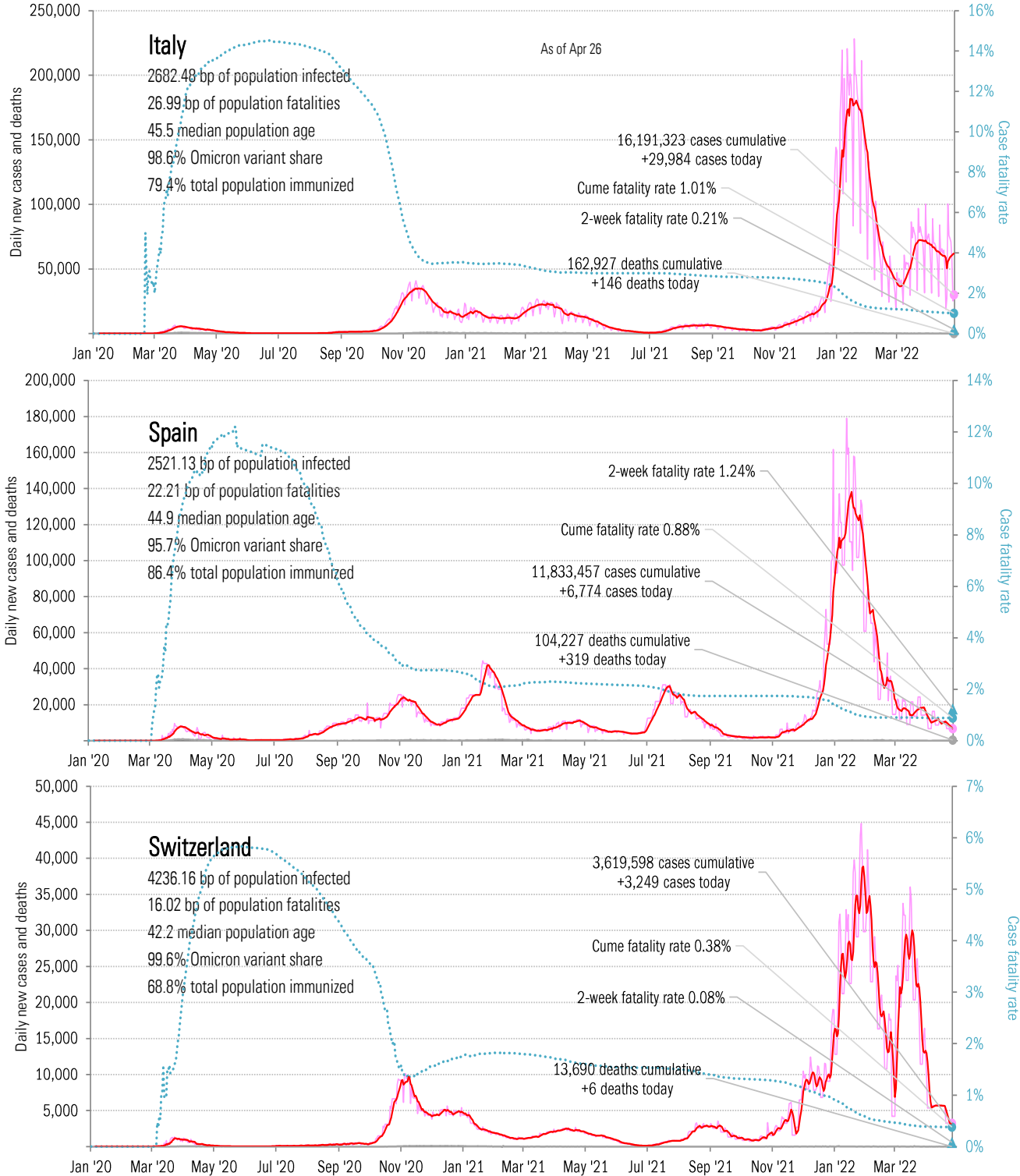
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

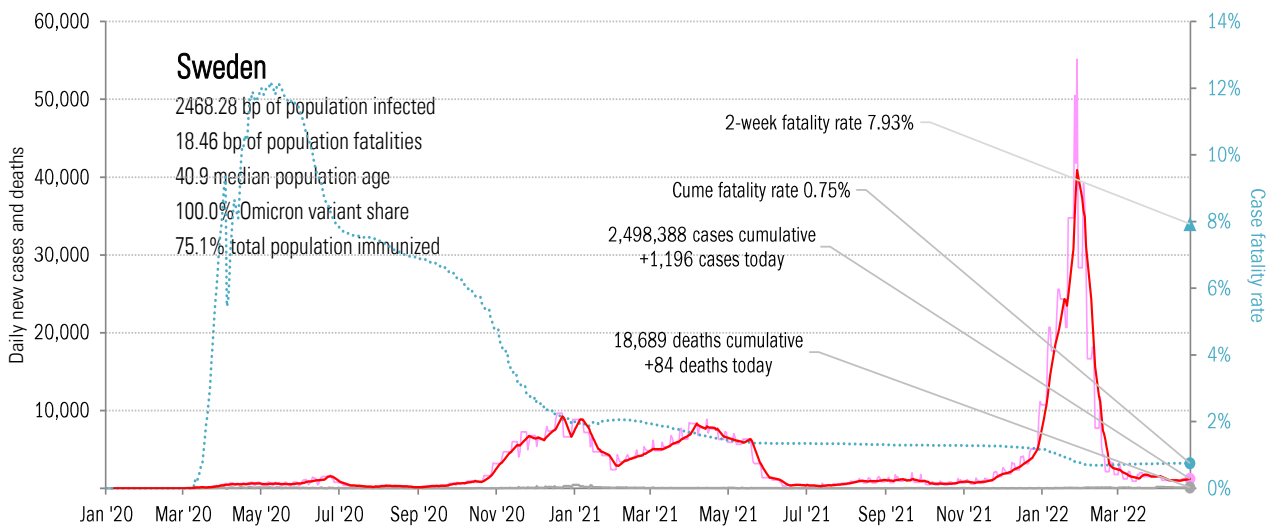
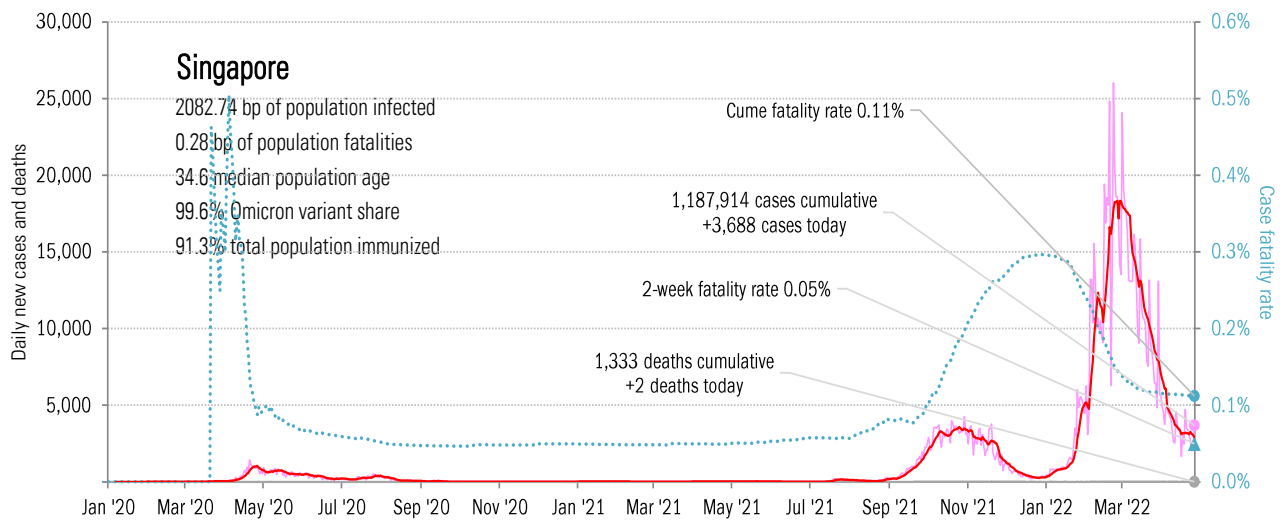
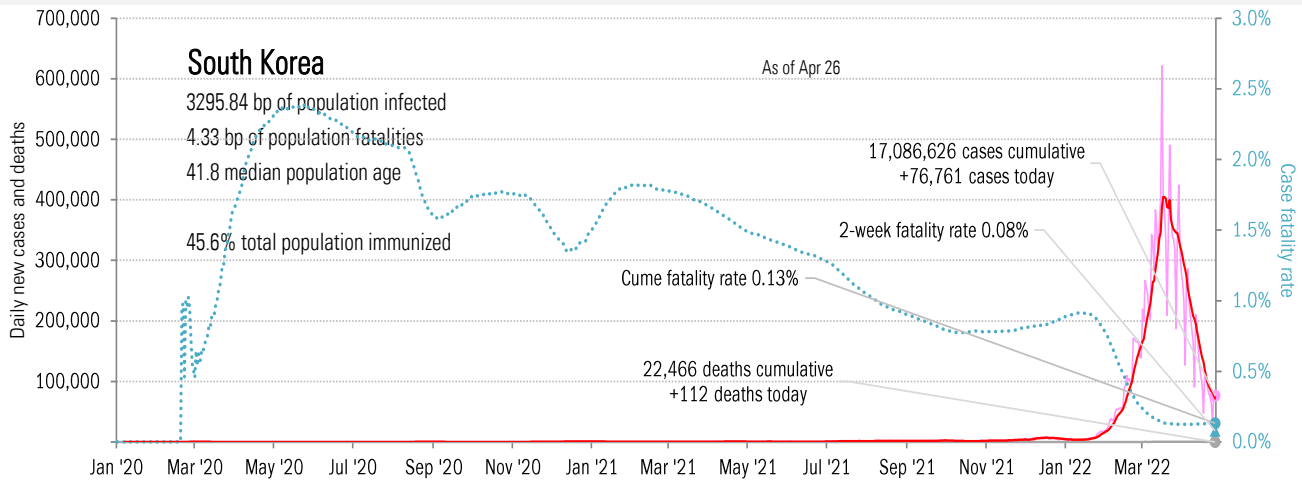
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

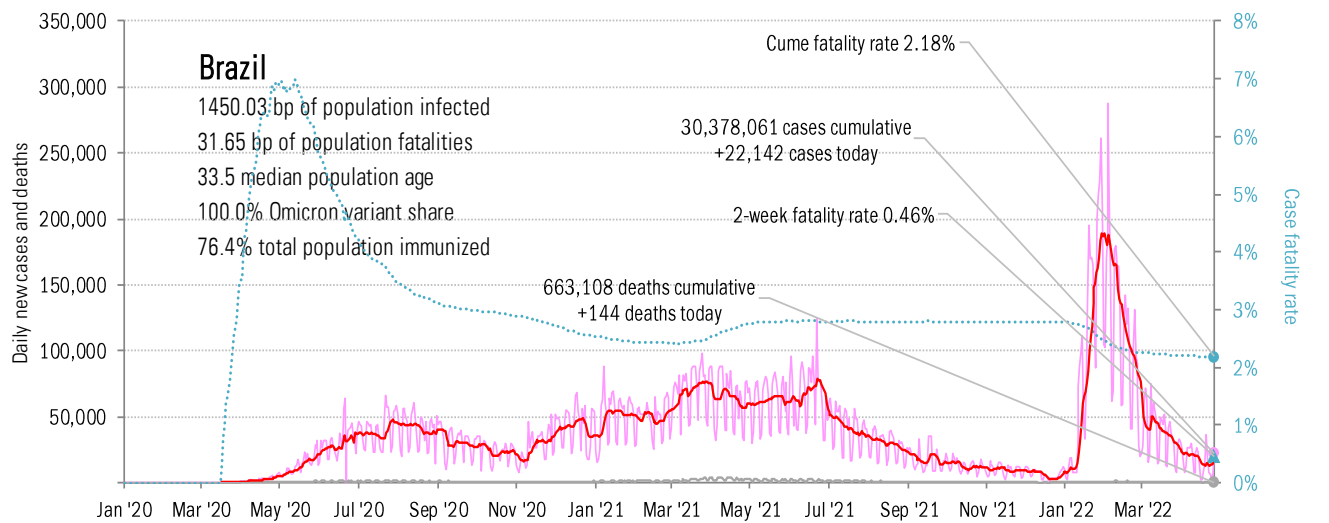
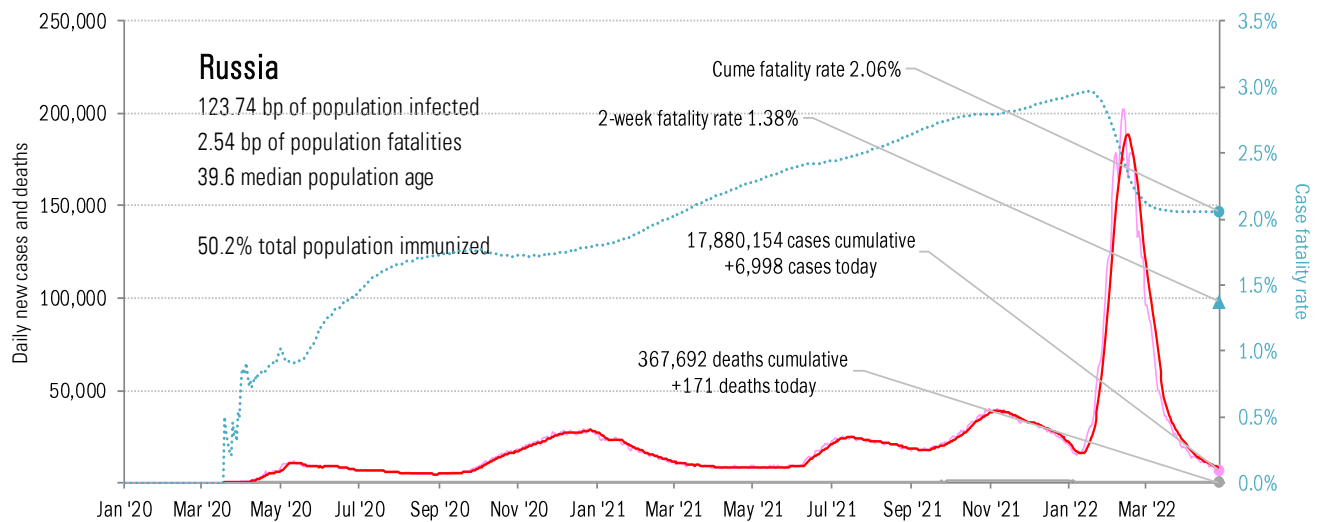
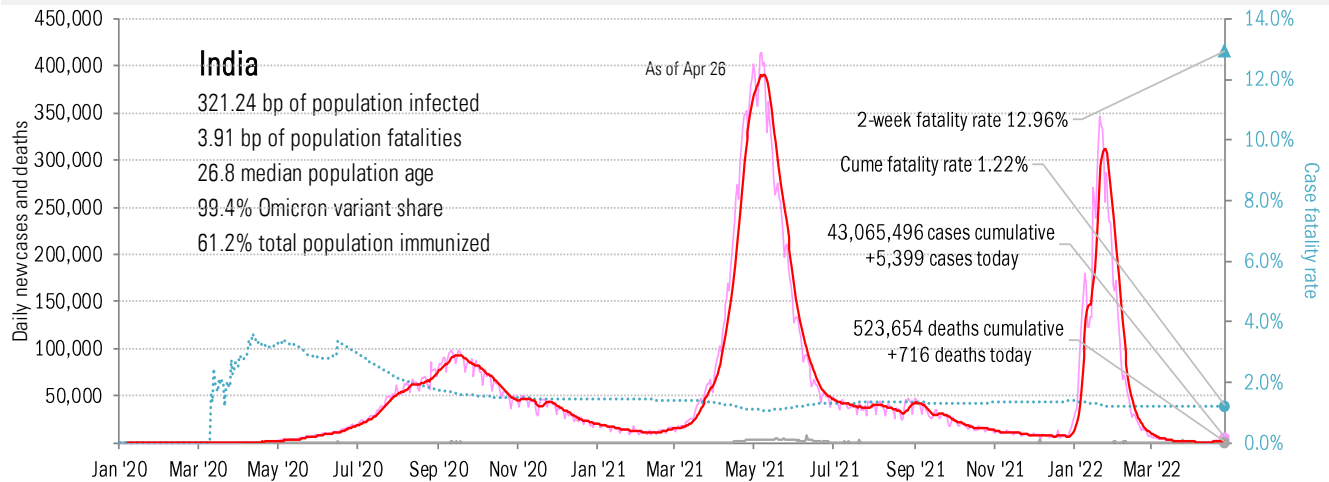
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

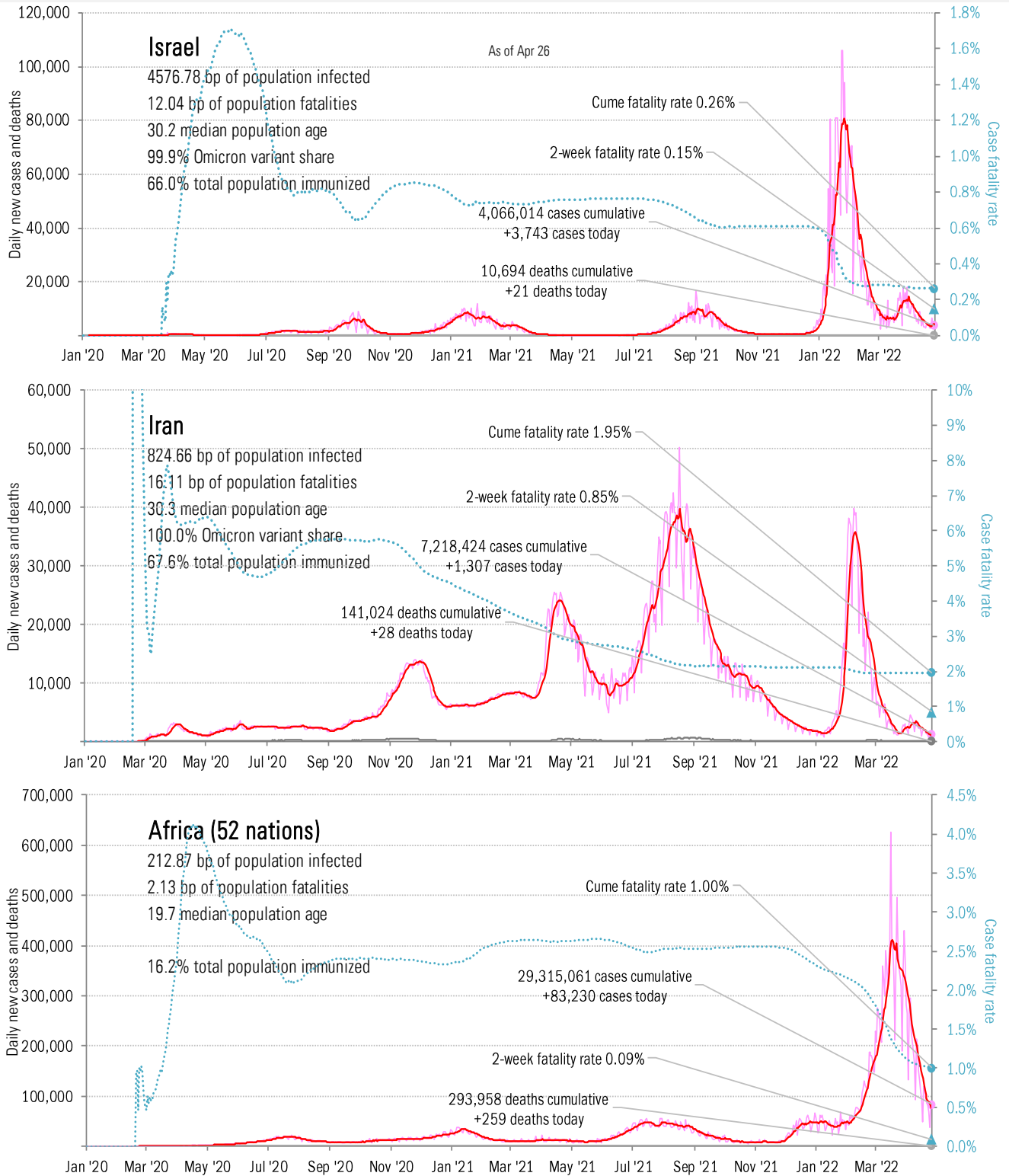
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

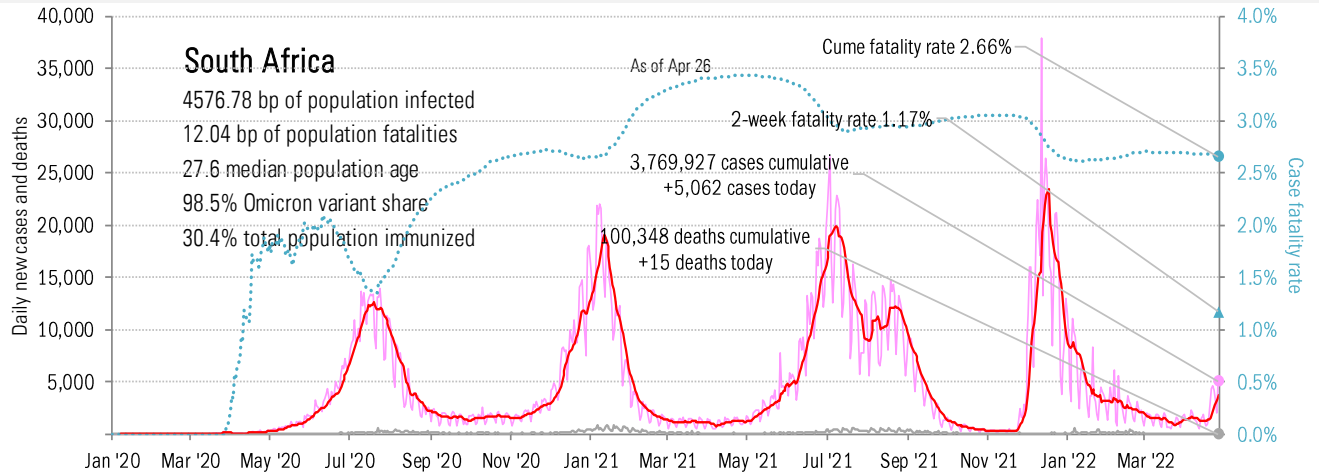
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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