

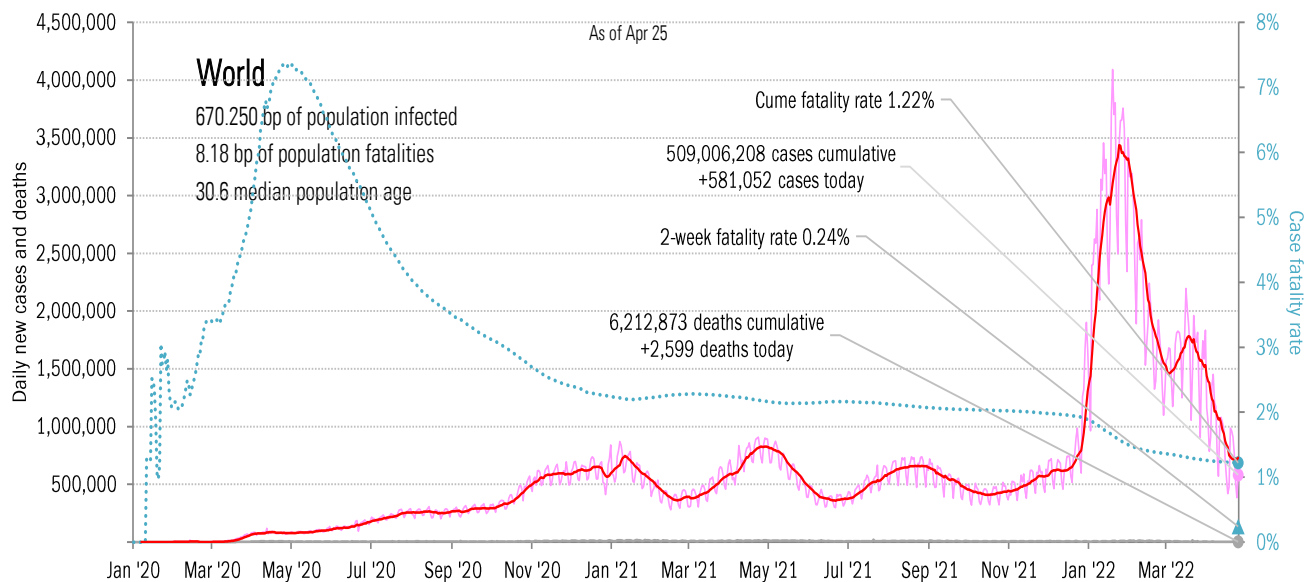
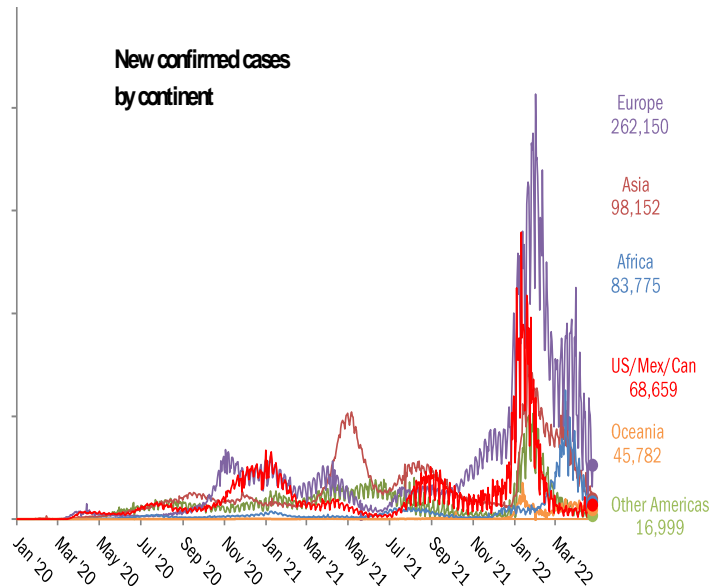
Data Insights: Covid-2019 Monitor

Tuesday, April 26, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	136,798	United States	488
Korea, South	80,301	United Kingdom	341
United States	64,636	Germany	304
United Kingdom	45,159	Argentina	198
Australia	37,480	France	197
China	31,010	Russia	155
Italy	25,282	Thailand	120
Japan	24,763	Italy	93
France	14,062	Brazil	73
Thailand	13,816	Greece	66
473,307		2,035	
World	581,052	World	2,599
Top ten	81%	Top ten	78%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

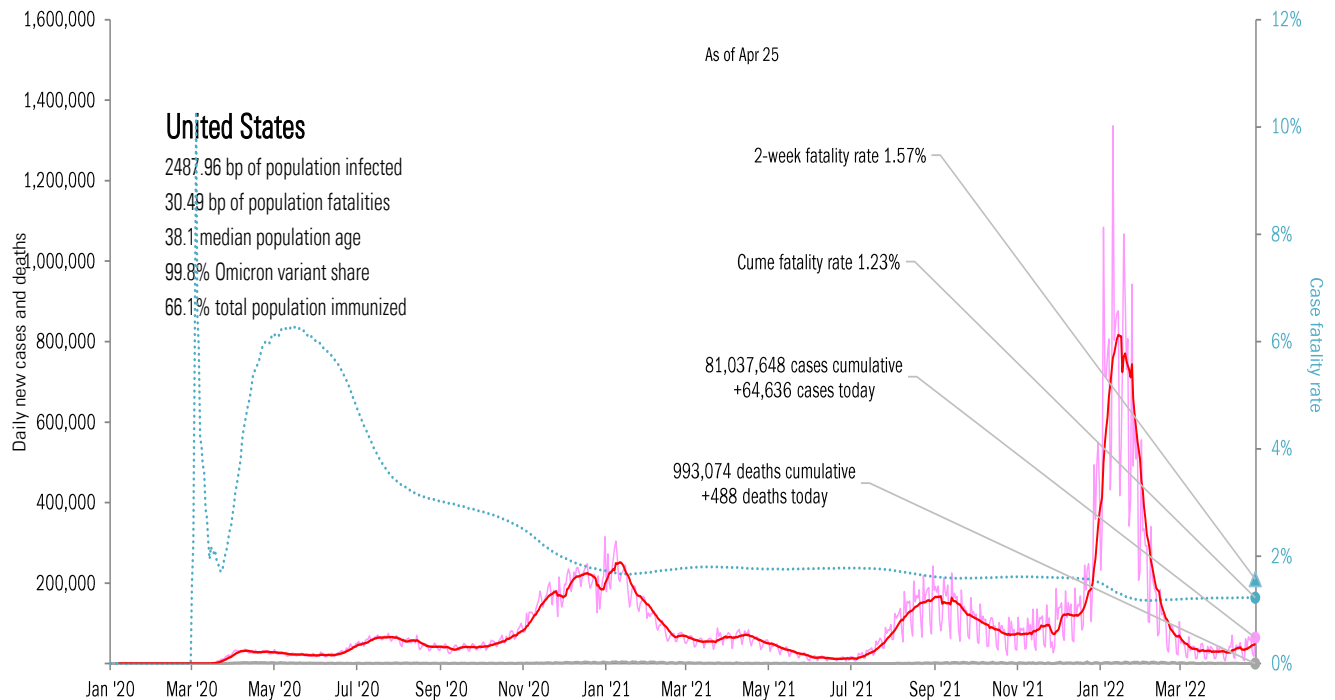
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
IL	8,155		MT	38		IL	87		CA	9,197,251		CA	90,033		TX	489,628		RI	89%	TX	83%
NY	6,949		CO	28		MA	81		TX	6,810,953		TX	88,026		CA	425,888		MA	84%	NM	82%
CA	6,679		VA	20		GA	68		FL	5,933,697		FL	73,984		FL	416,116		WA	84%	KY	81%
MA	5,749		CA	19		NJ	59		NY	5,130,561		NY	68,246		NY	249,619		MN	83%	DE	81%
FL	5,196		NJ	19		VA	37		IL	3,122,191		PA	44,610		GA	207,542		MO	81%	RI	80%
VA	3,302		FL	18		WI	32		PA	2,809,243		CH	38,360		CH	191,229		WV	80%	NH	80%
CO	2,963		MA	15		CH	54		CH	2,688,327		GA	37,659		PA	176,837		DE	80%	MA	79%
WI	2,931		NY	15		LA	23		NC	2,647,650		IL	36,014		IL	158,054		GA	79%	WA	79%
IN	2,454		IL	13		IN	34		GA	2,509,160		MI	35,935		MI	142,033		MD	79%	AL	78%
FR	2,219		OR	8		NY	235		MI	2,411,464		NJ	33,395		KY	133,088		DC	79%	UT	78%
46,597			193			710			43,260,497			546,262			2,590,034						
All states	64,636		488			1,680			All states	81,037,648		993,074			4,702,808			All states	70%	67%	
Top ten	72%		40%			42%			Top ten	53%		55%			55%			Median	73%	70%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-2,681	FL	-118	NY	-59	AZ	+10 bp
FR	-1,820	PA	-4	FL	-40	FL	+10 bp
NJ	-370	AK	0	WA	-26	IL	+10 bp
PA	-115	AR	0	CT	-24	PA	+10 bp
AR	-9	CT	0	MI	-16	SD	+10 bp

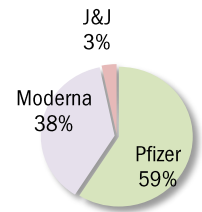


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	588,055,559	+0.118 million	US	66.1%	77.5%
Boosters	101,408,007	+0.022 million	UK	72.9%	77.9%
	One dose	% Pop	Immune	% pop	New immune today
Total population	265,045,036	79%	225,661,769	68%	+0.016 million
Age 12 to 17	17,694,487	70%	15,090,732	60%	+0.001 million
Age 18 to 64	178,306,386	88%	151,257,774	74%	+0.008 million
Age 65 and over	58,788,159	100%	51,065,338	93%	+0.005 million

France	77.9%	80.2%
Spain	86.4%	88.1%
Germany	75.4%	76.0%
Italy	79.3%	84.1%
Australia	83.4%	86.4%
Israel	66.0%	72.2%
Canada	82.2%	88.5%
Japan	80.4%	81.8%
Africa	16.2%	21.3%
India	61.1%	71.8%
Brazil	76.4%	85.3%
China	86.3%	88.8%



State	
AK	69.7%
	62.2%

State

At least partial immunity as % population

Full immunity as % population

Best

Middle

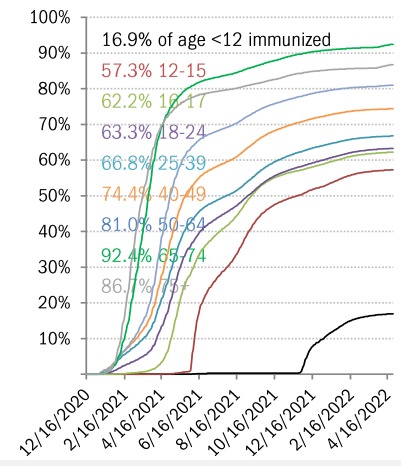
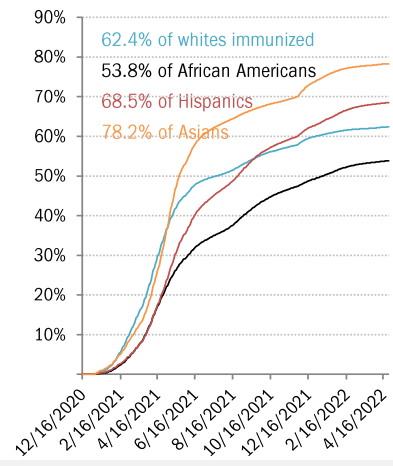
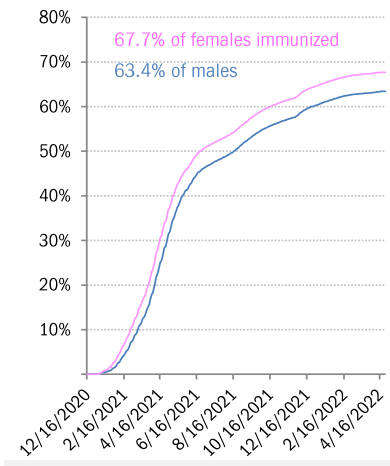
Worst

Immunity = two doses

As of Apr 25

					WI					ME
					71.8%					90.2%
					65.5%					79.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.7%	61.0%	65.1%	64.8%	75.0%	76.6%	66.9%		90.1%	93.4%	87.8%
72.5%	54.0%	56.7%	54.9%	69.1%	68.6%	60.1%		76.8%	81.0%	70.1%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.8%	75.1%	58.7%	76.3%	67.9%	61.4%	63.5%	84.7%	90.2%	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%	85.5%	86.3%	95.0%	95.0%
72.0%	64.2%	70.1%	63.5%	56.0%	57.3%	57.5%	73.1%	75.5%	79.1%	82.3%
	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%	54.4%	60.9%	56.6%	73.9%	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%		94.8%
			61.3%					66.9%		82.9%

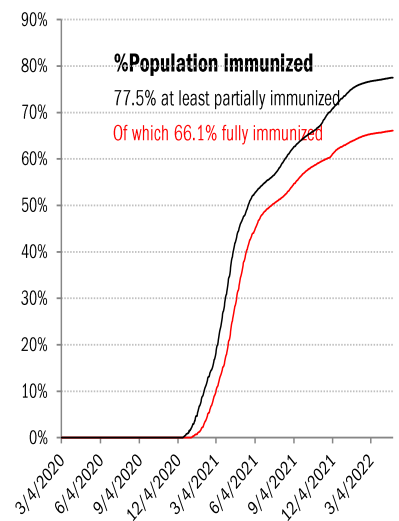
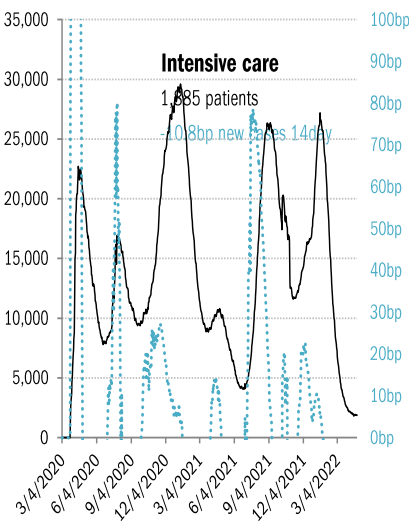
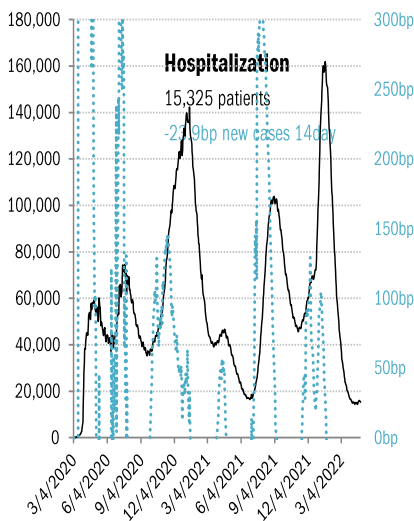
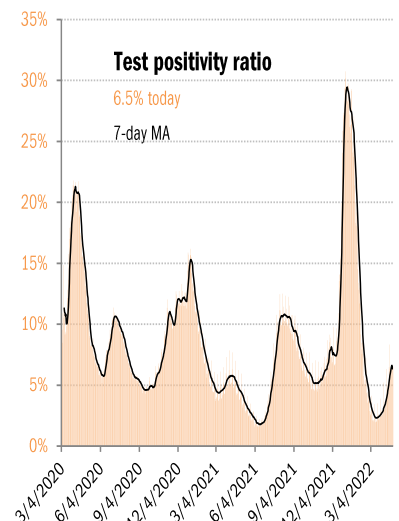
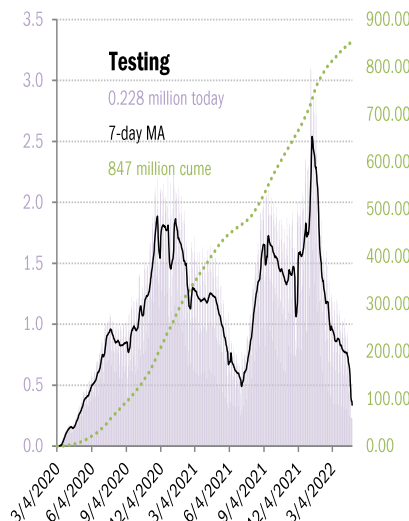
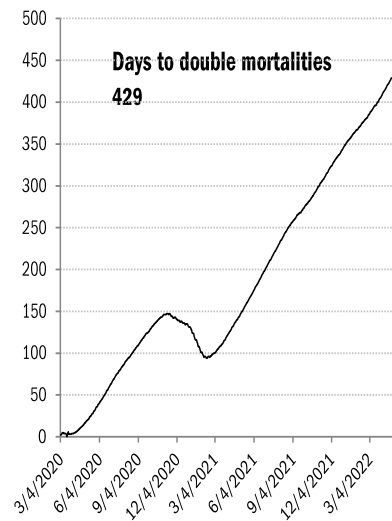
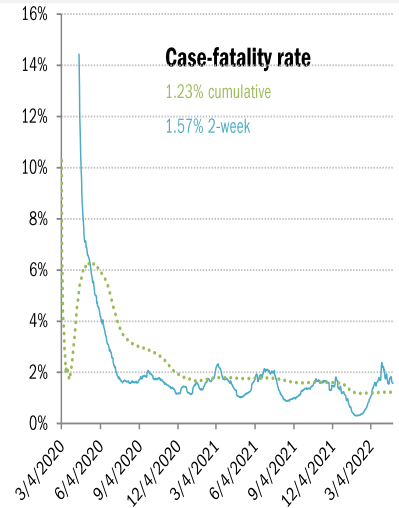
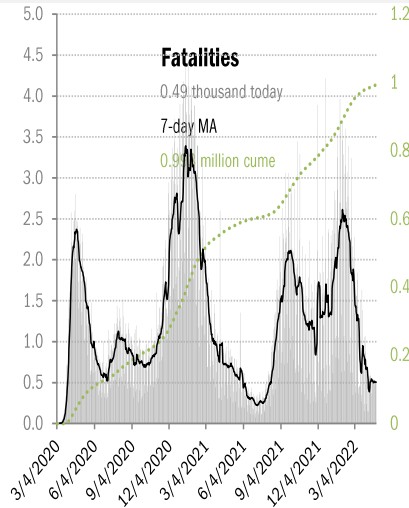
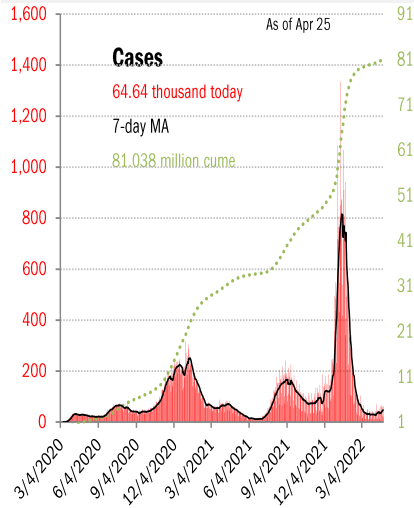
The demographics of US vaccination



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

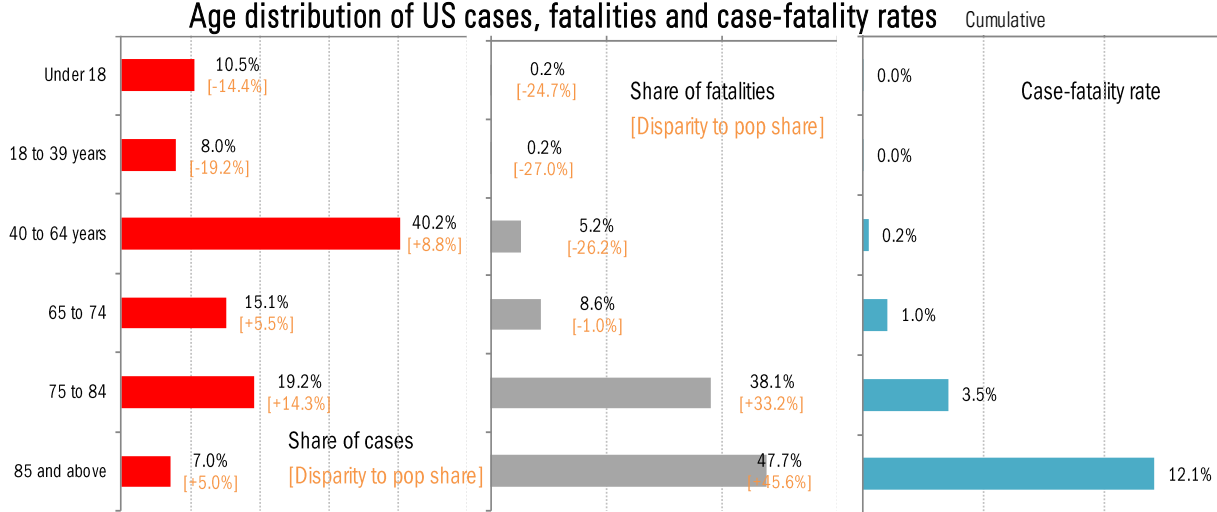
US deep-dive

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

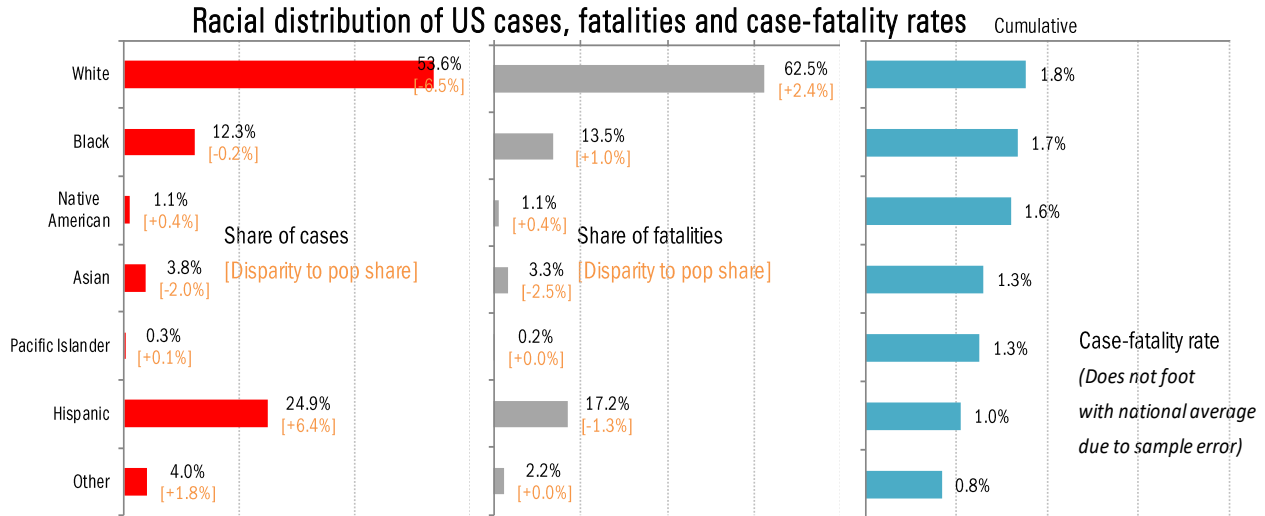


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

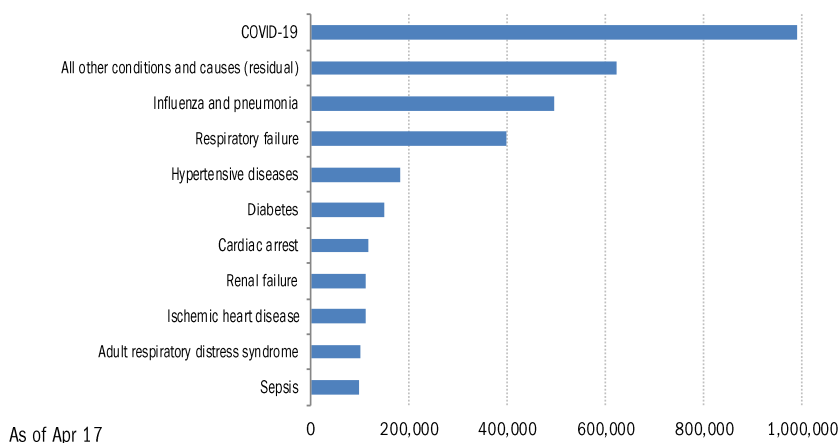


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Biden administration starts Covid treatment push, focusing on Pfizer's Paxlovid](#)

Matthew Herper
Stat
April 26, 2022

[Covid Lockdowns Revive the Ghosts of a Planned Economy](#)

Li Yuan
New York Times
April 25, 2022

[Who Ended the Travel Mask Mandate? A Vaccine Critic, a Florida Judge and 2 Anxious Travelers](#)

Heather Murphy and Charlie Savage
New York Times
April 25, 2022

[China's Spreading Outbreak Stokes Fear of Beijing Lockdown](#)

Bloomberg
April 24, 2022

[There Is No Balm in Gilead](#)

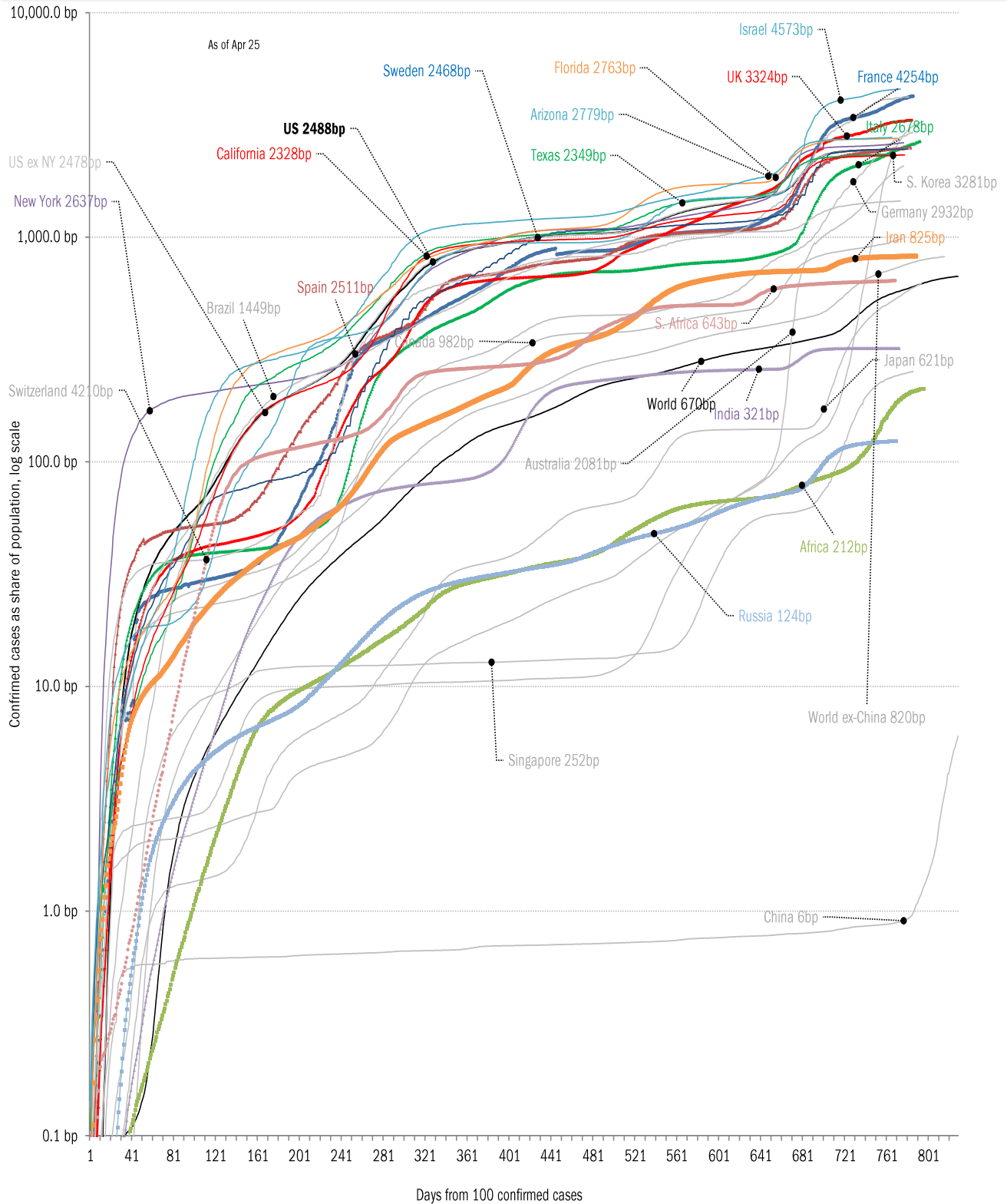
Lloyd Billingsley
American Greatness
April 19, 2022

Meme of the day



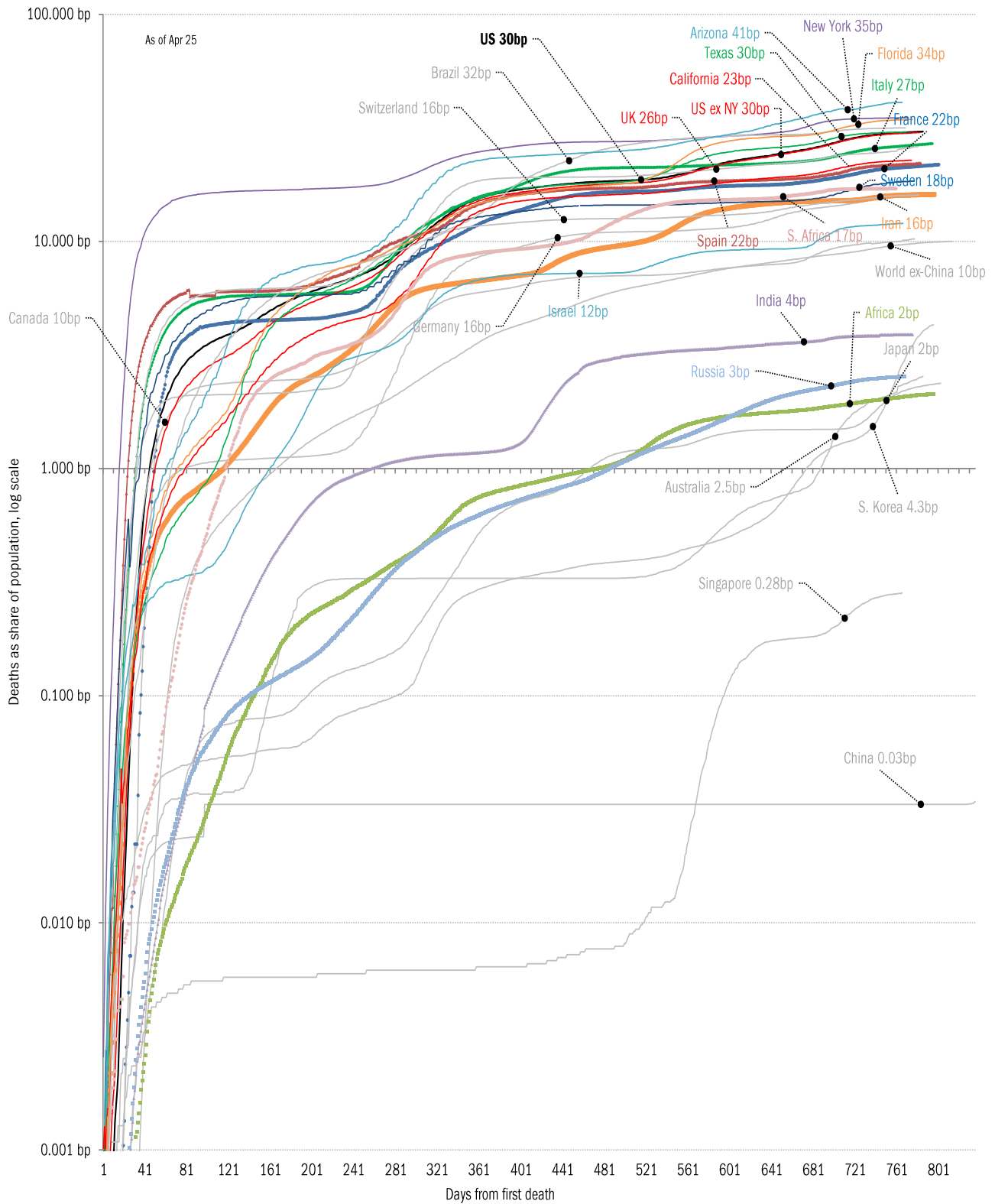
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

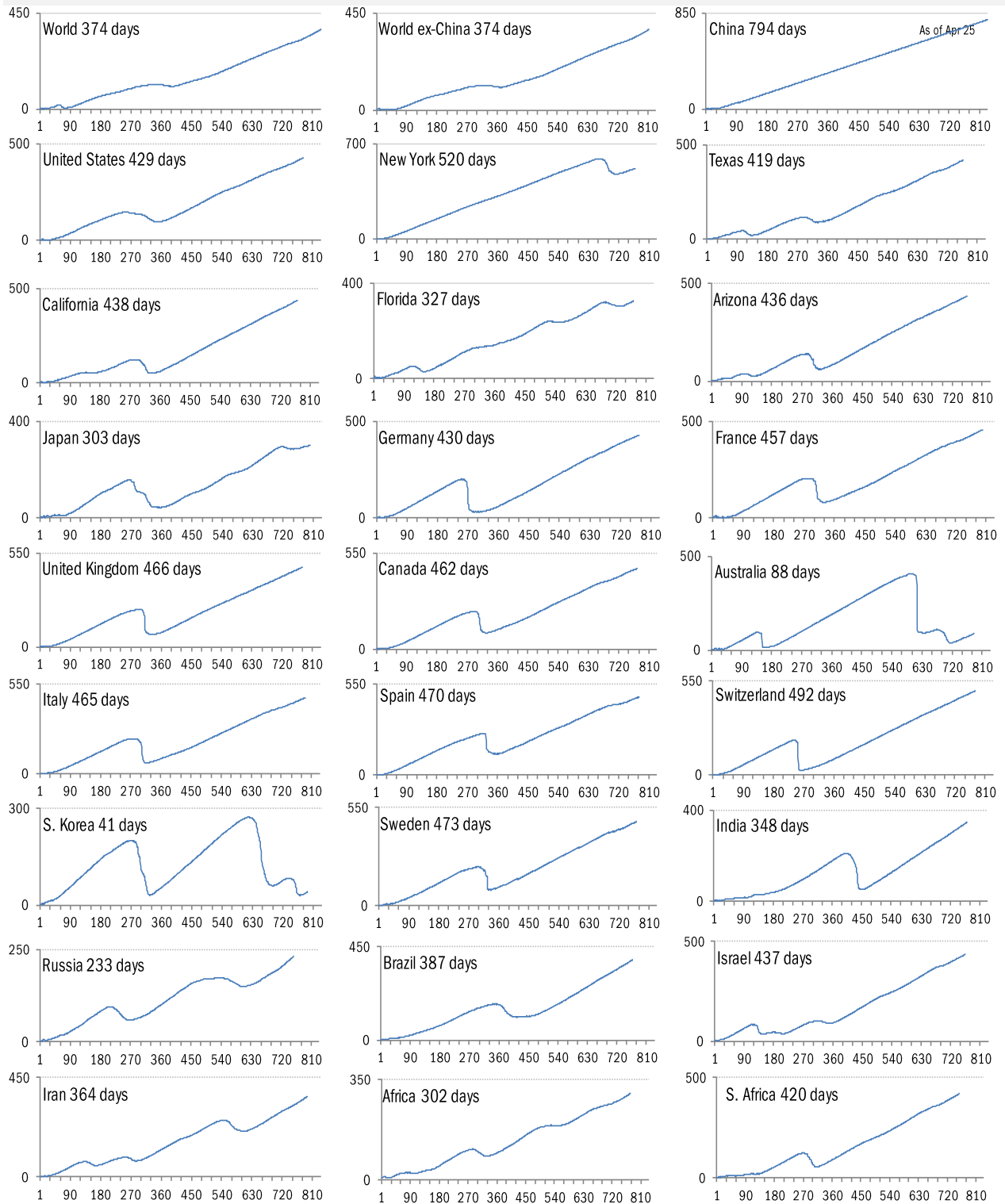


Source: [Johns Hopkins](#), TrendMacro calculations

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

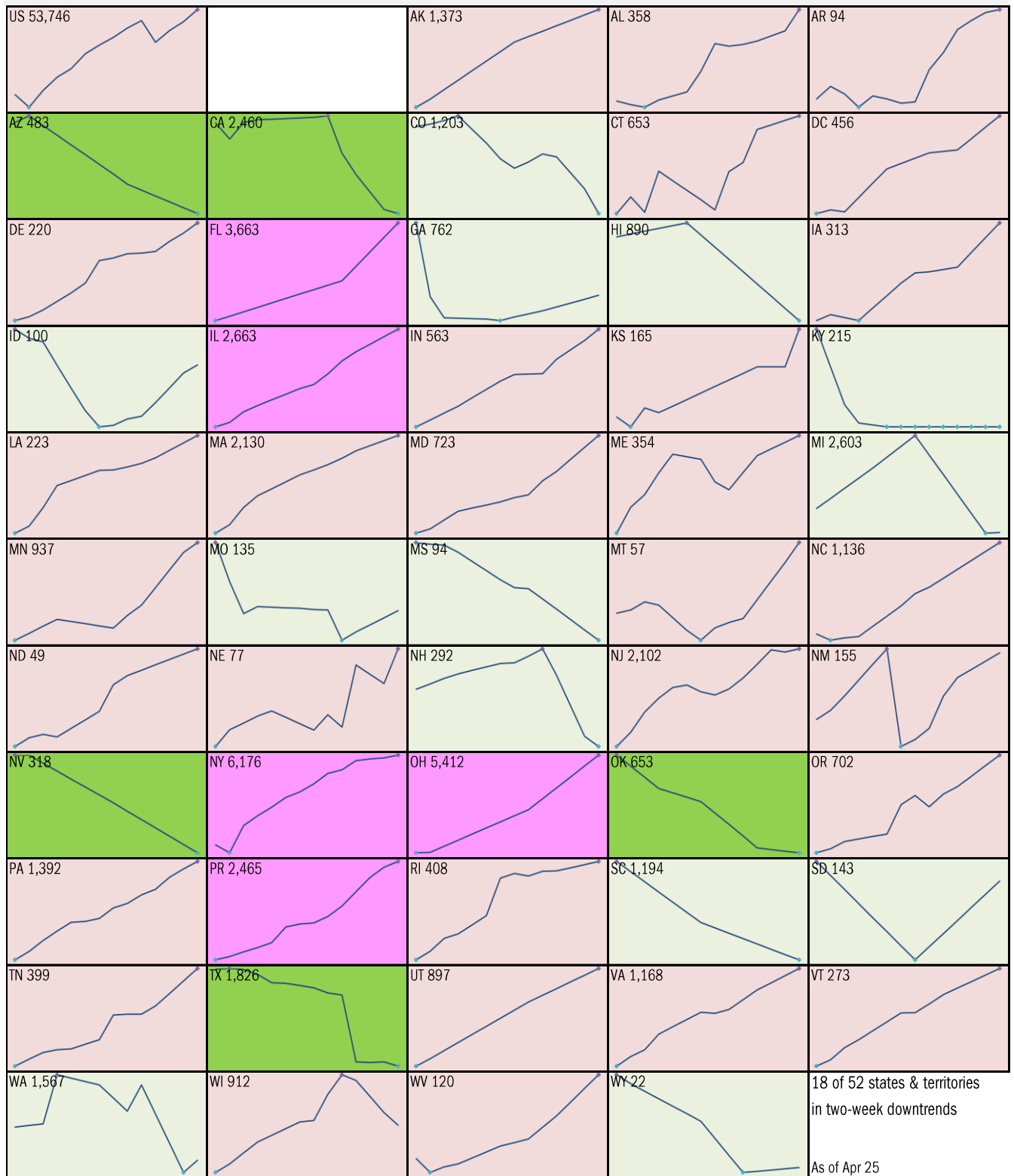


Source: [Johns Hopkins](#), TrendMacro calculations

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

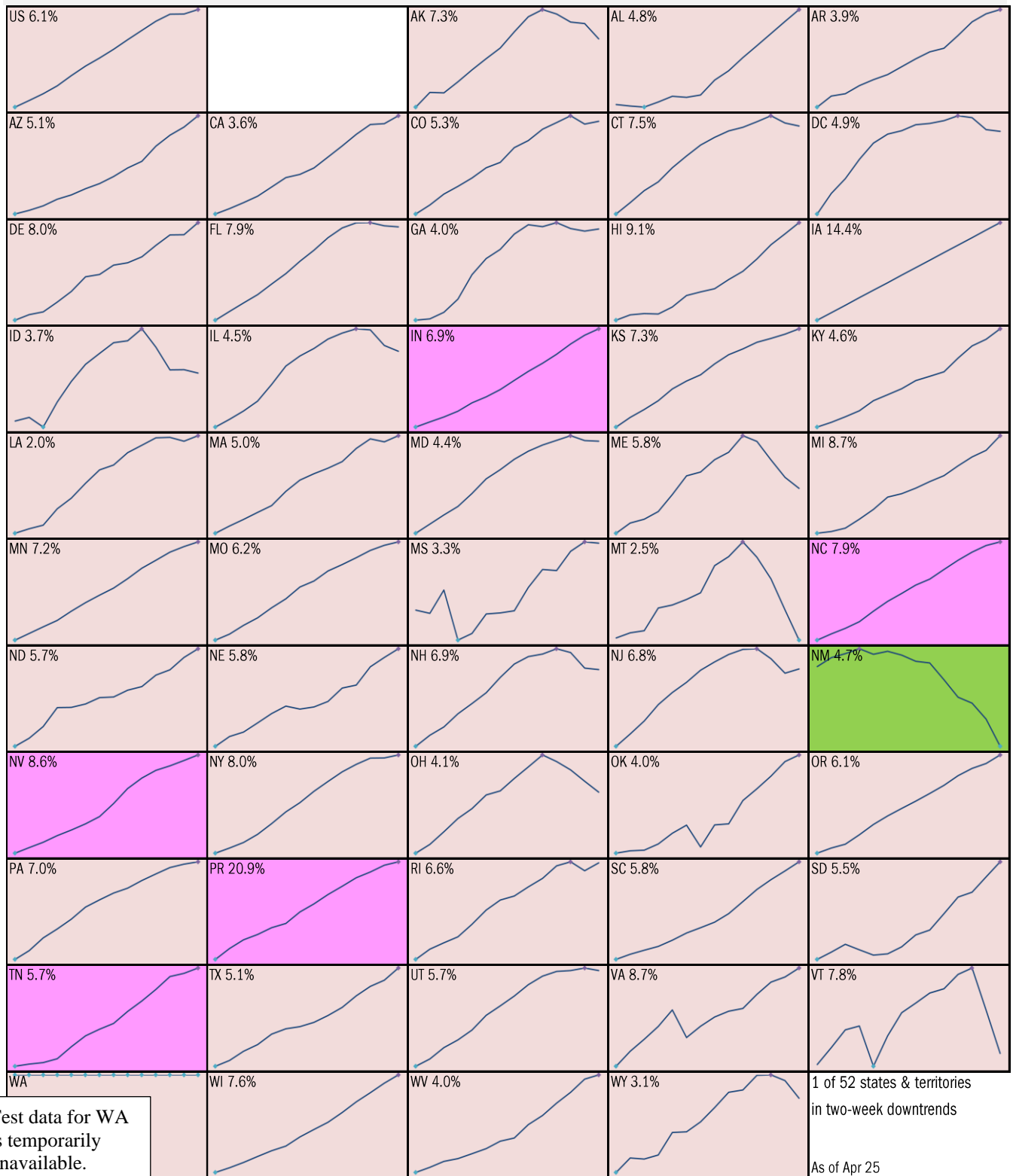


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

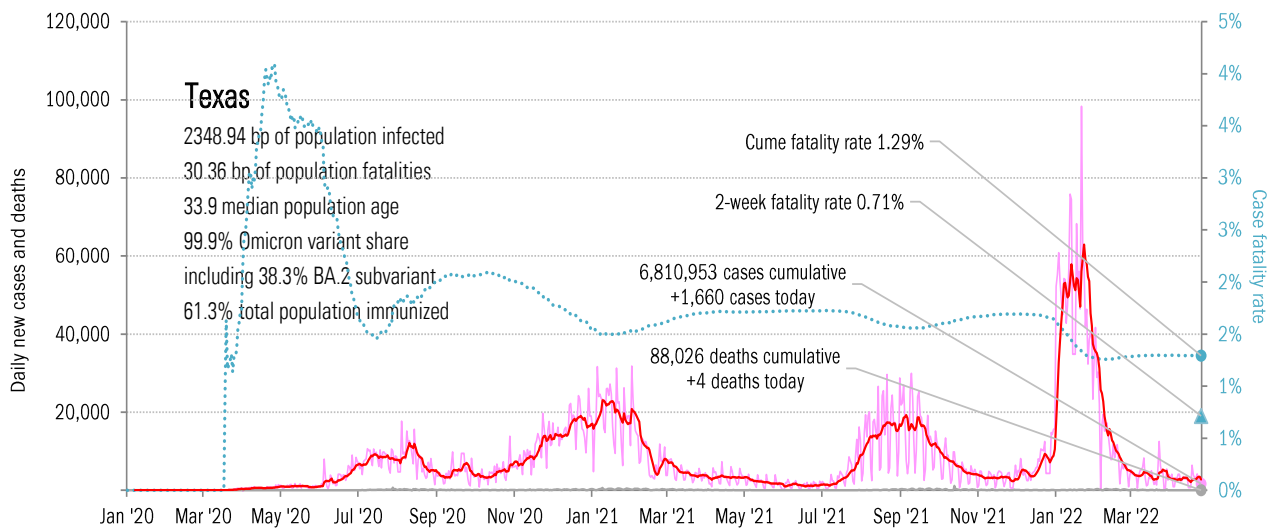
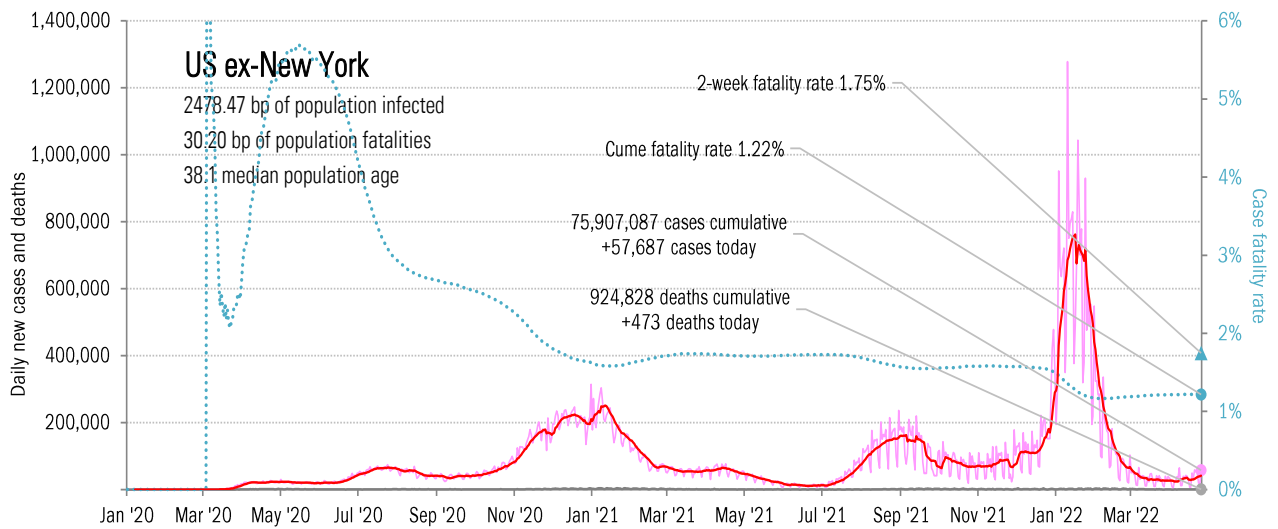
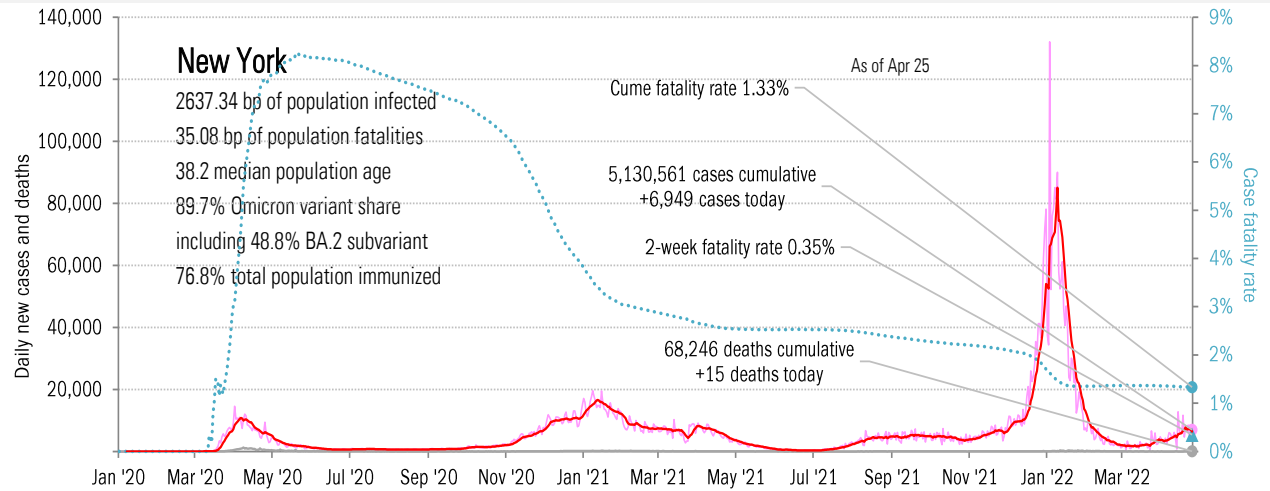
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

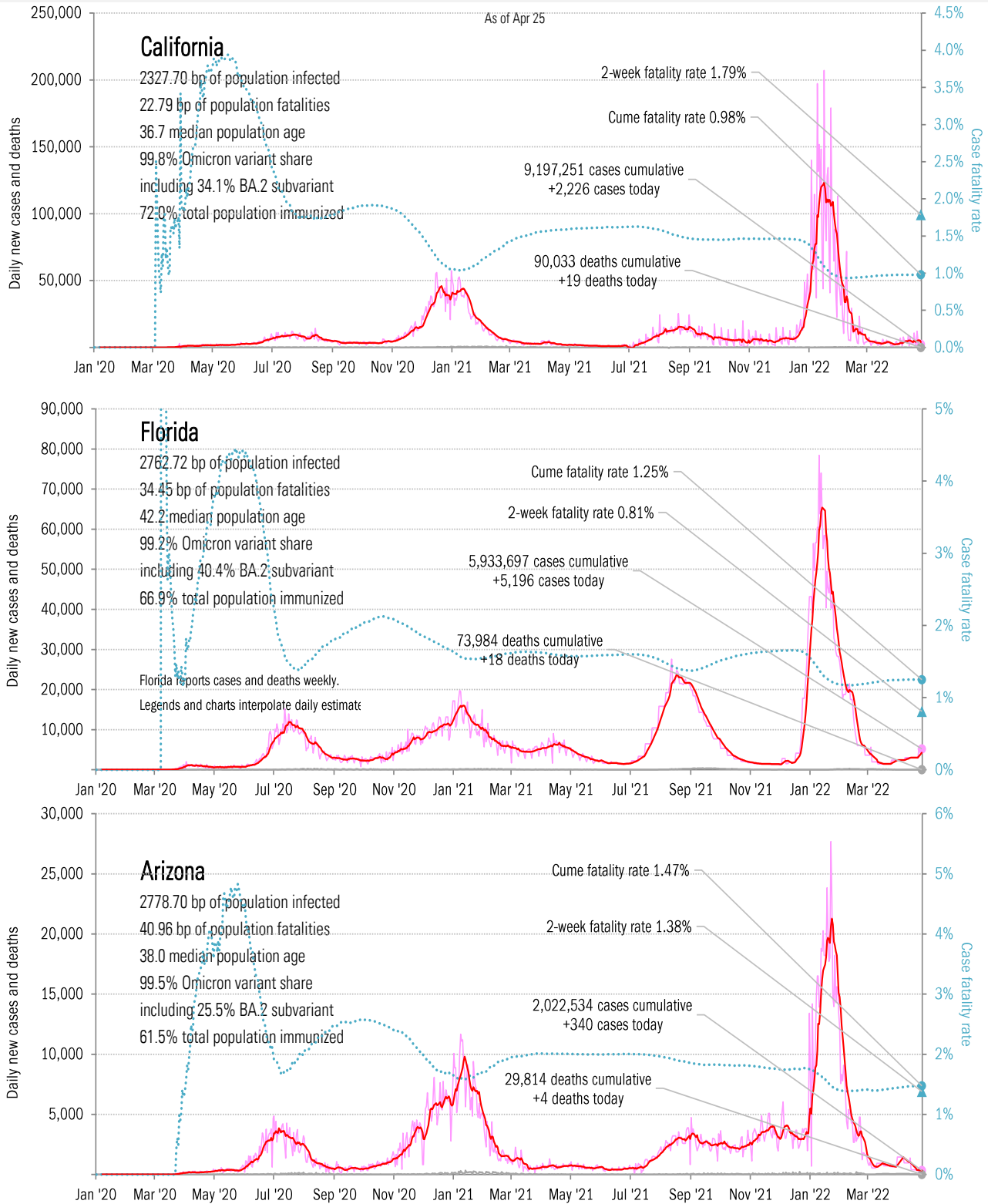
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

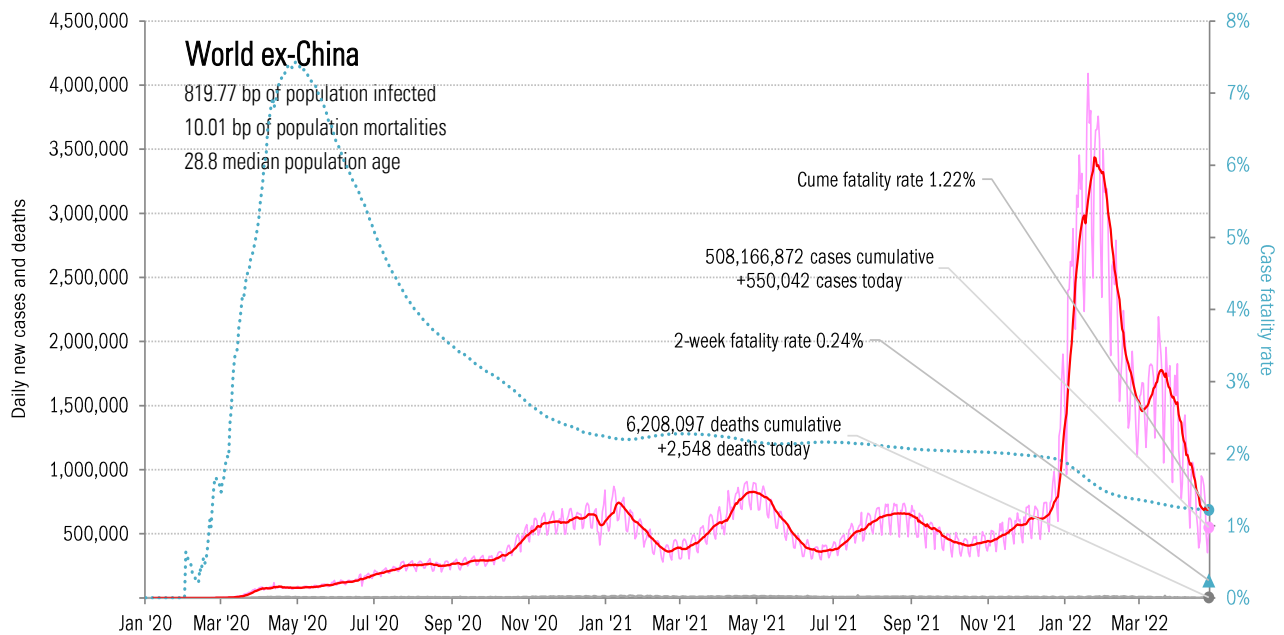
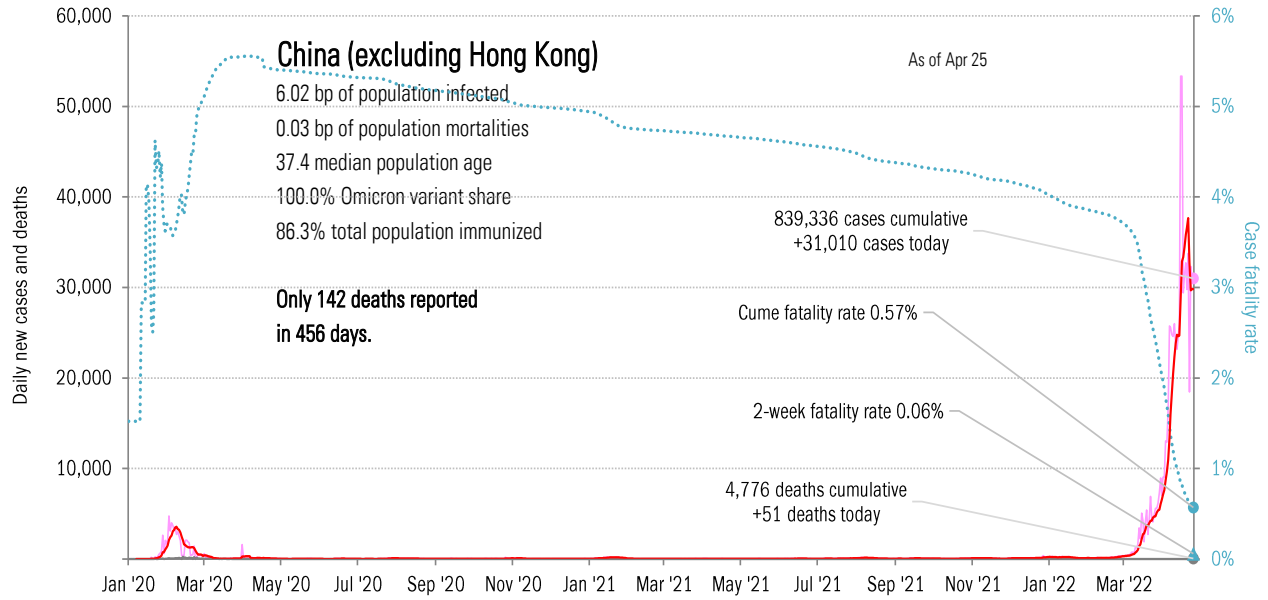
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

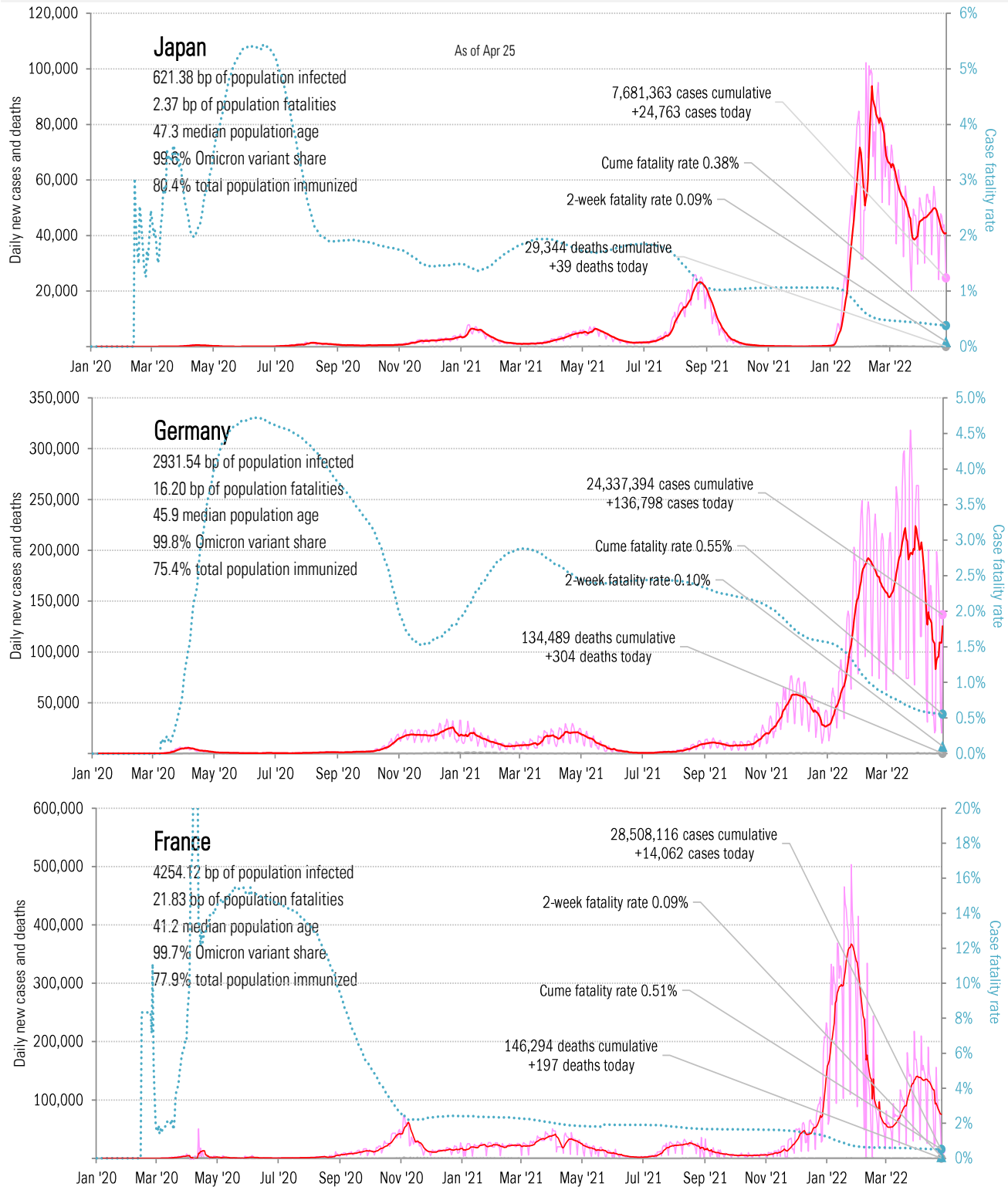
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

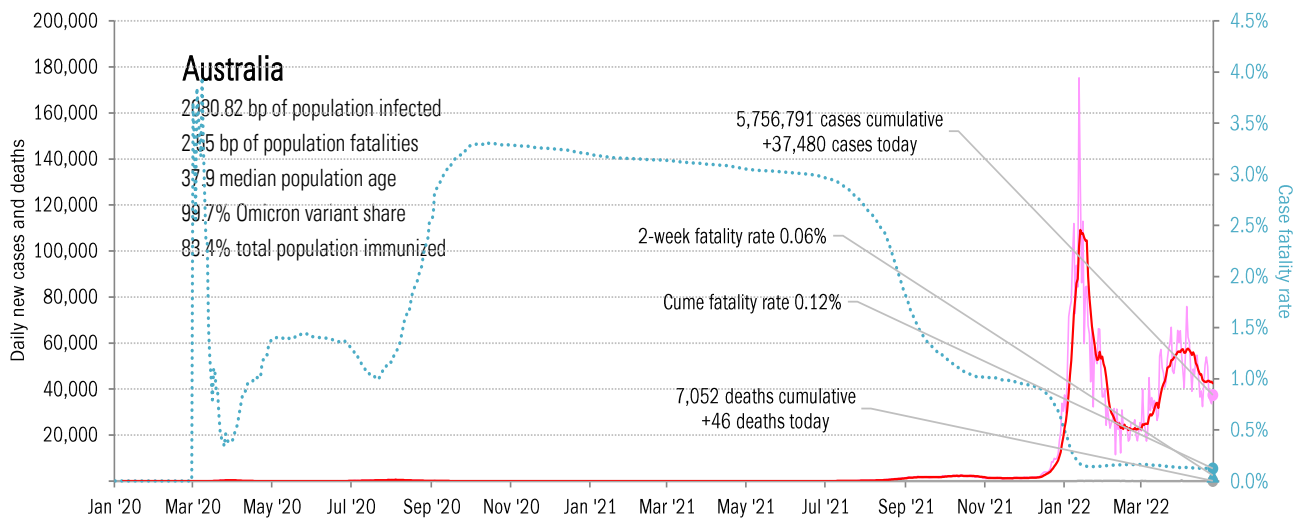
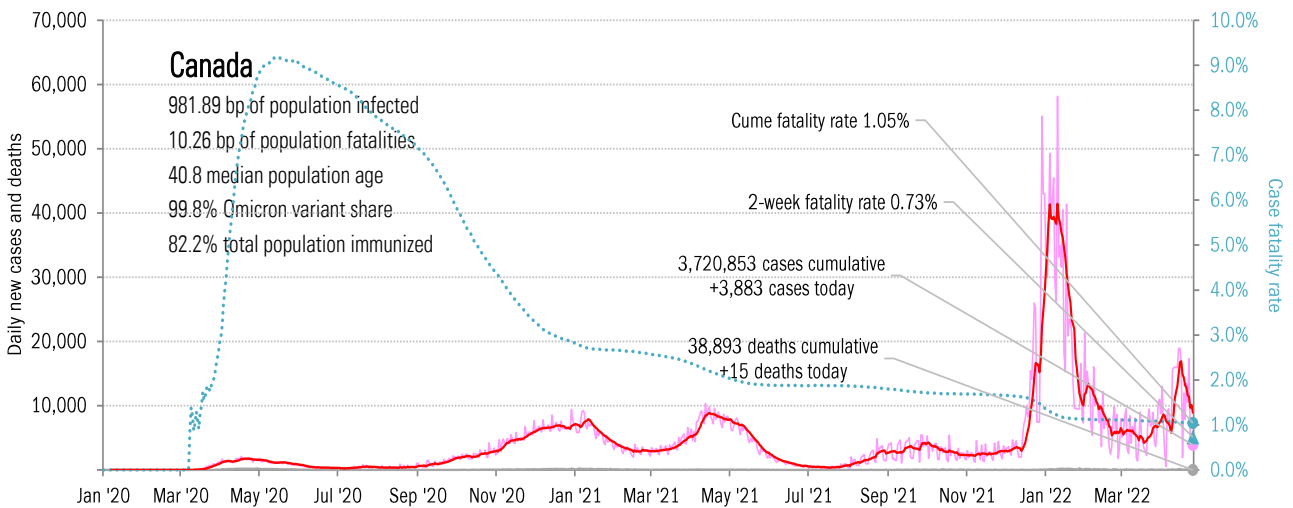
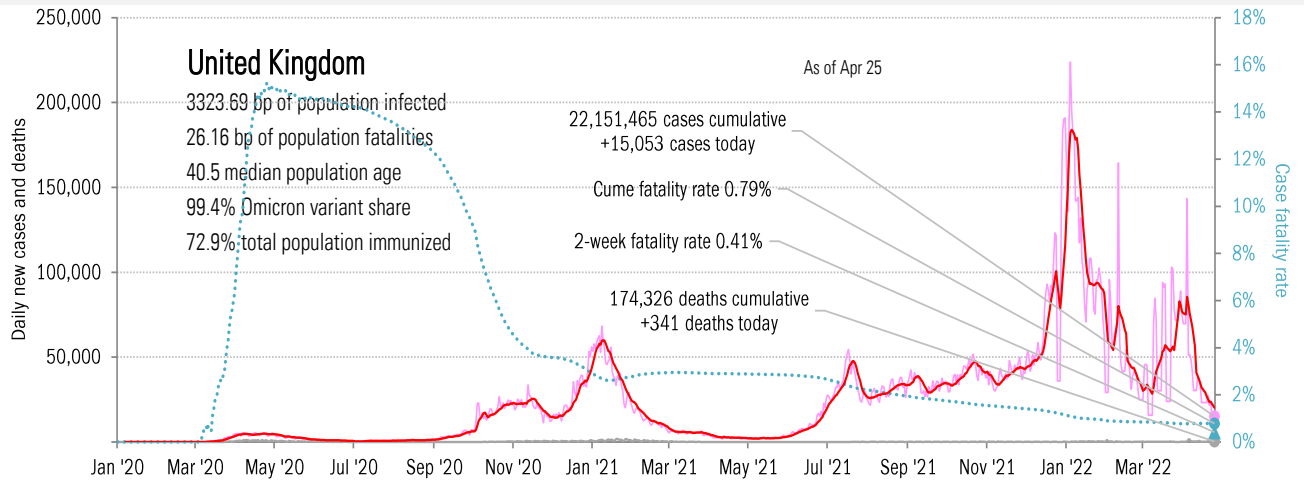
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

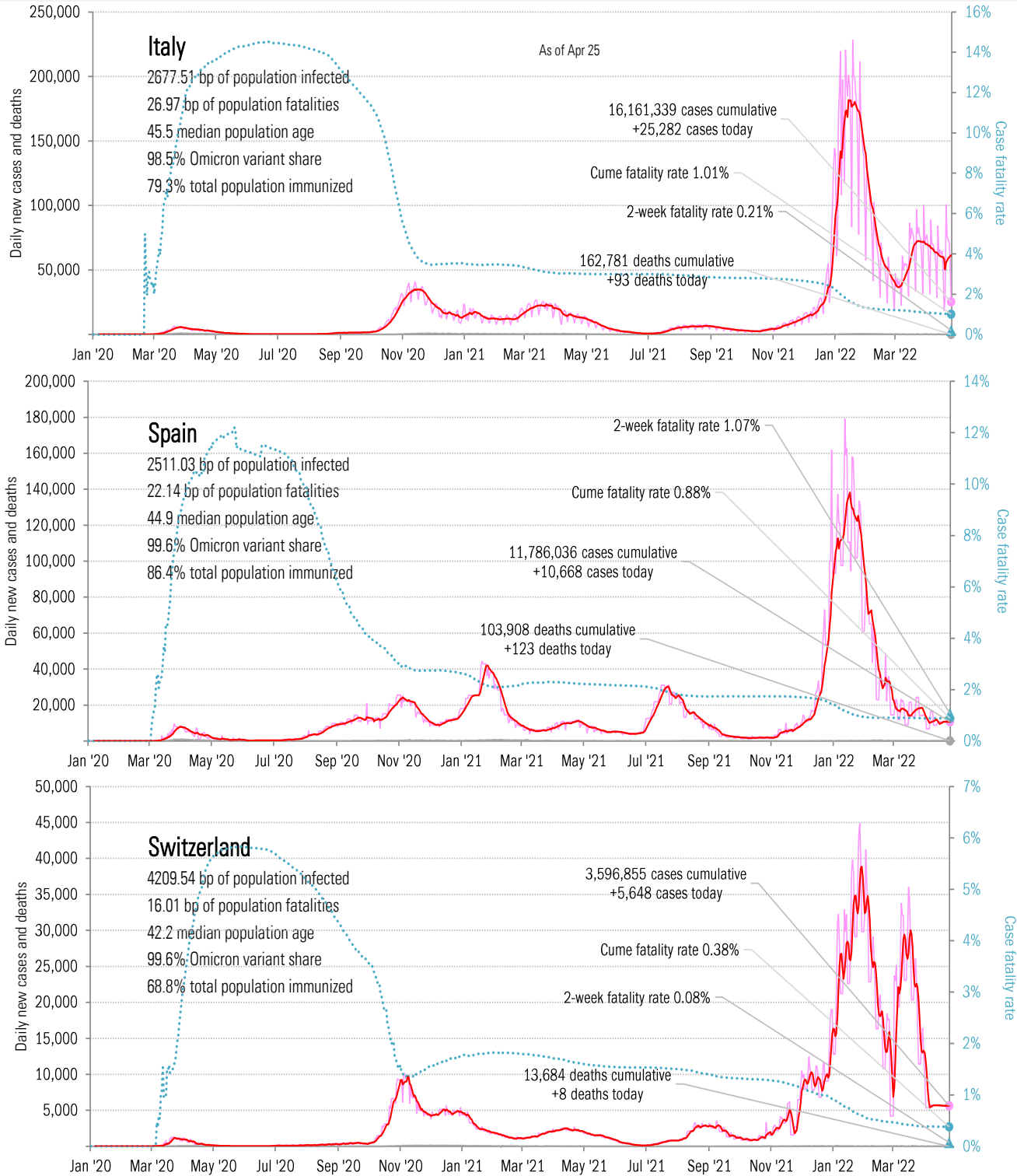
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

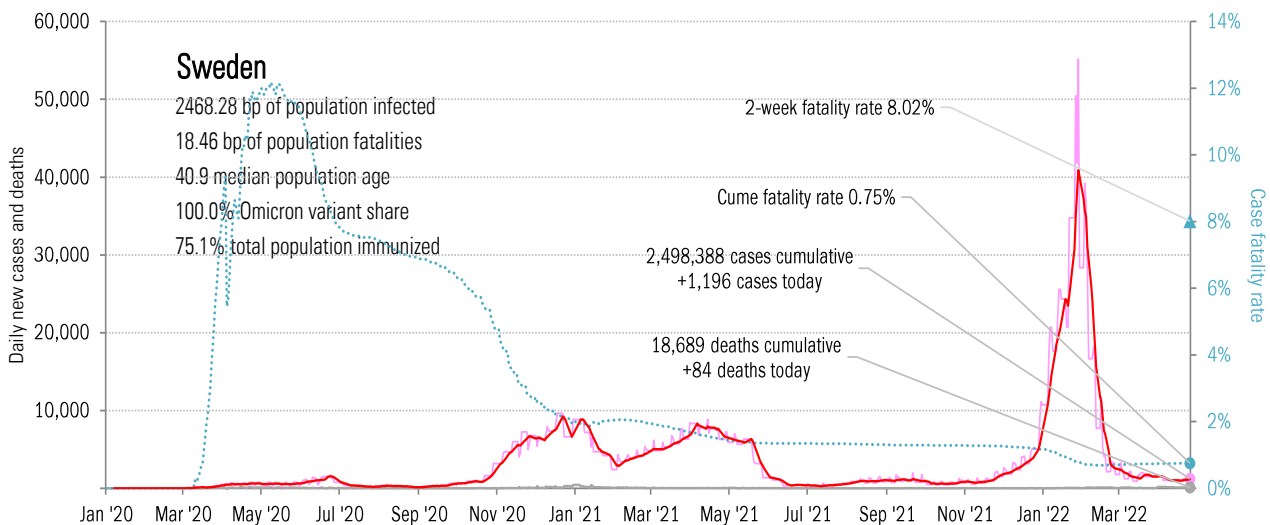
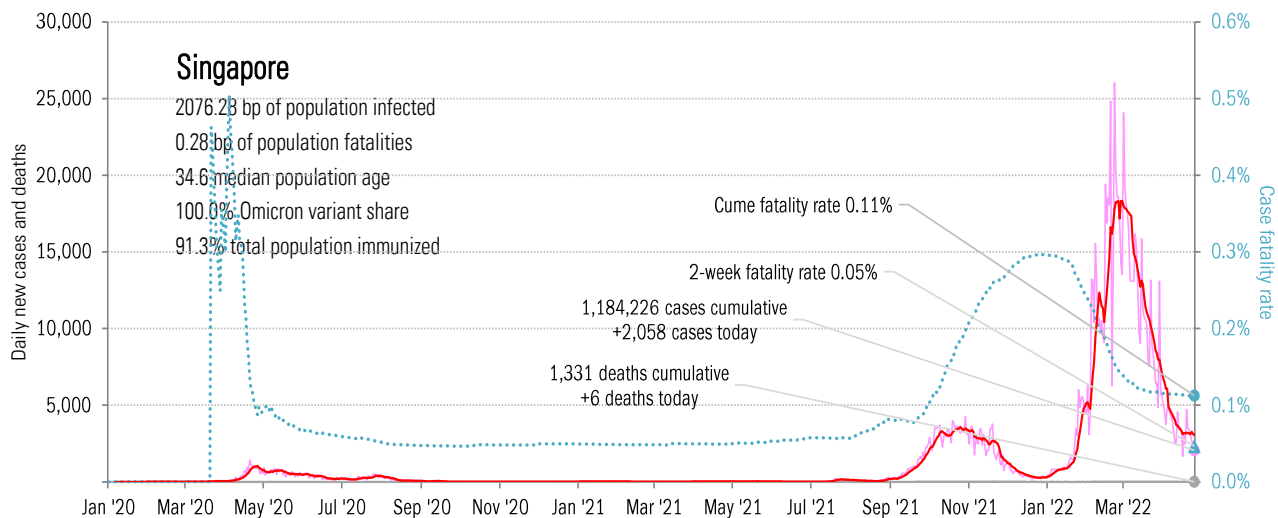
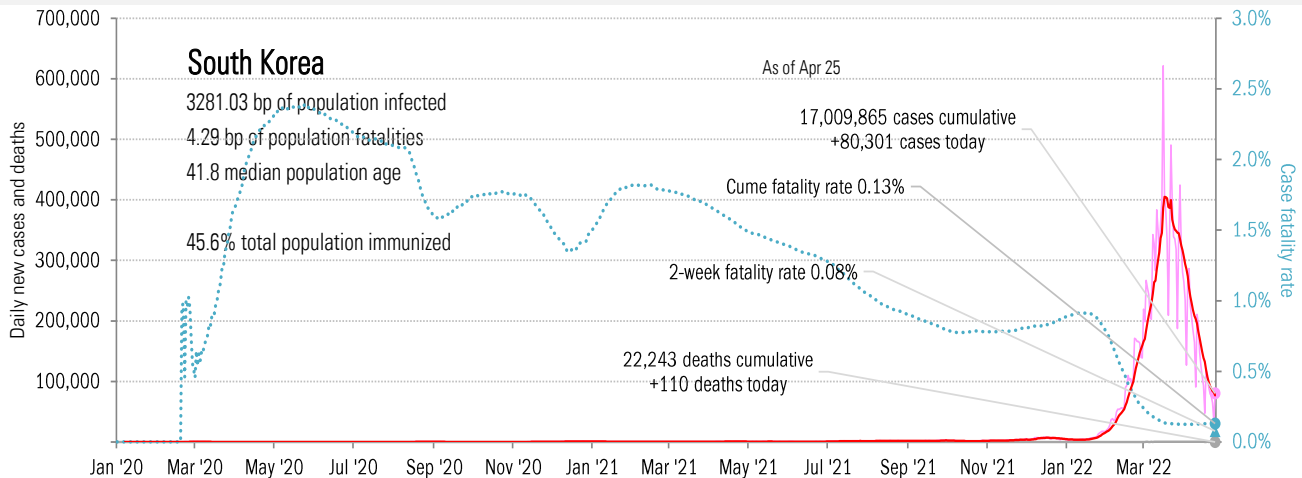
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

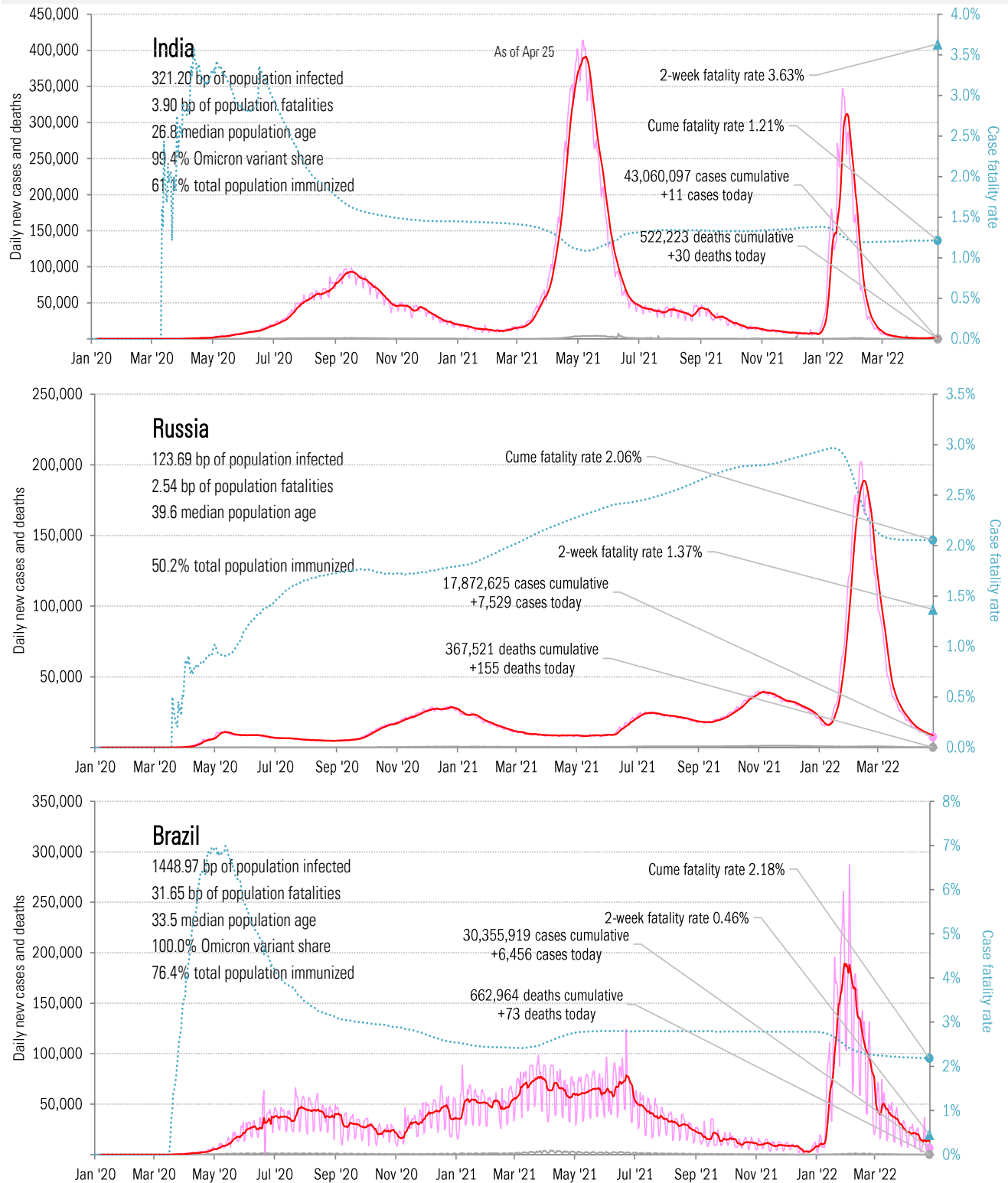
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

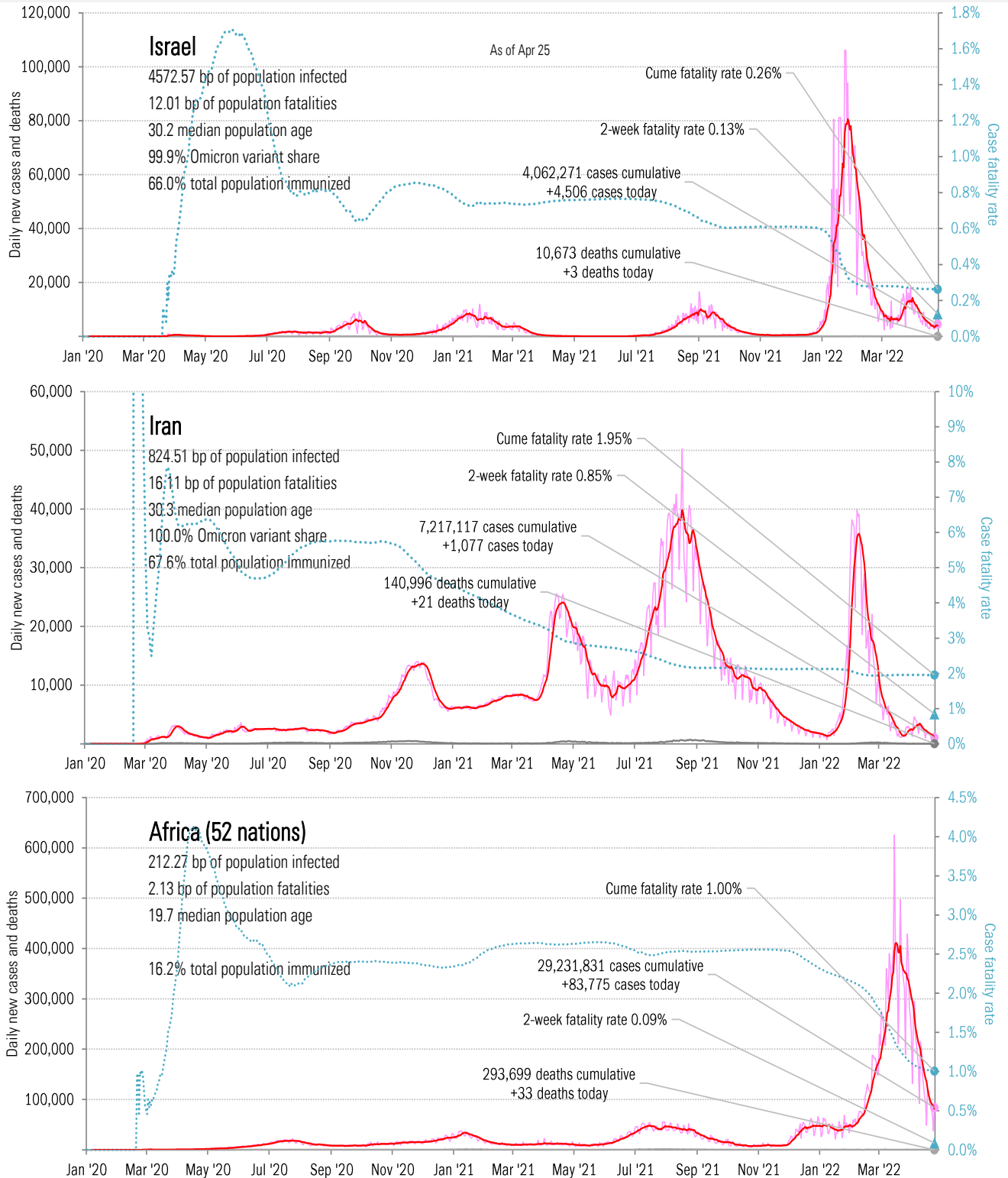
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

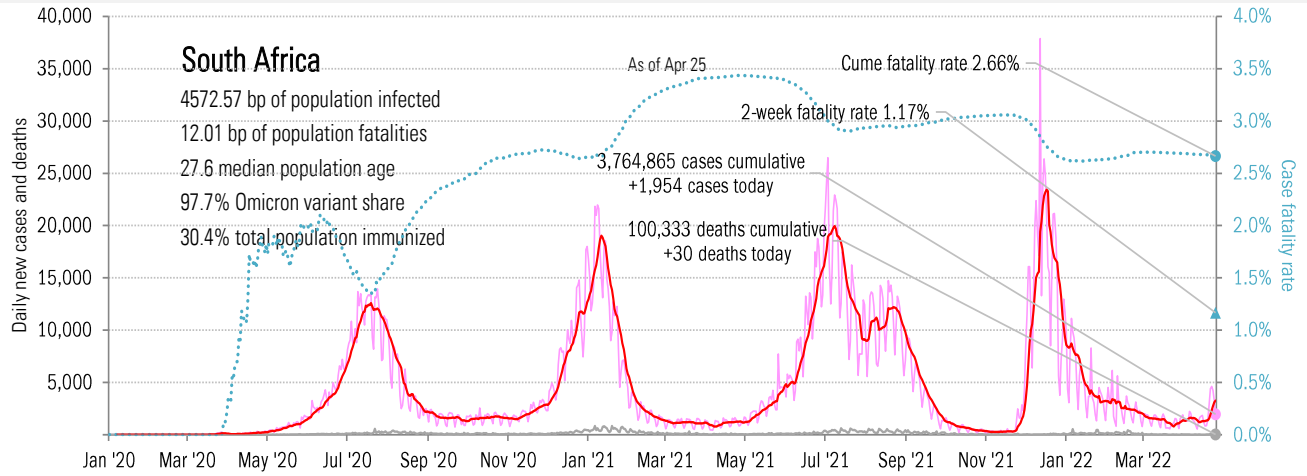
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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