Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

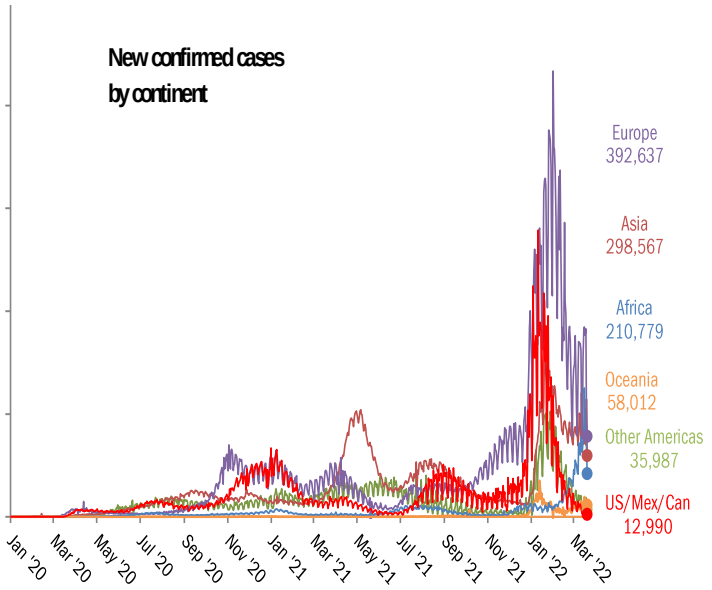
Monday, March 21, 2022

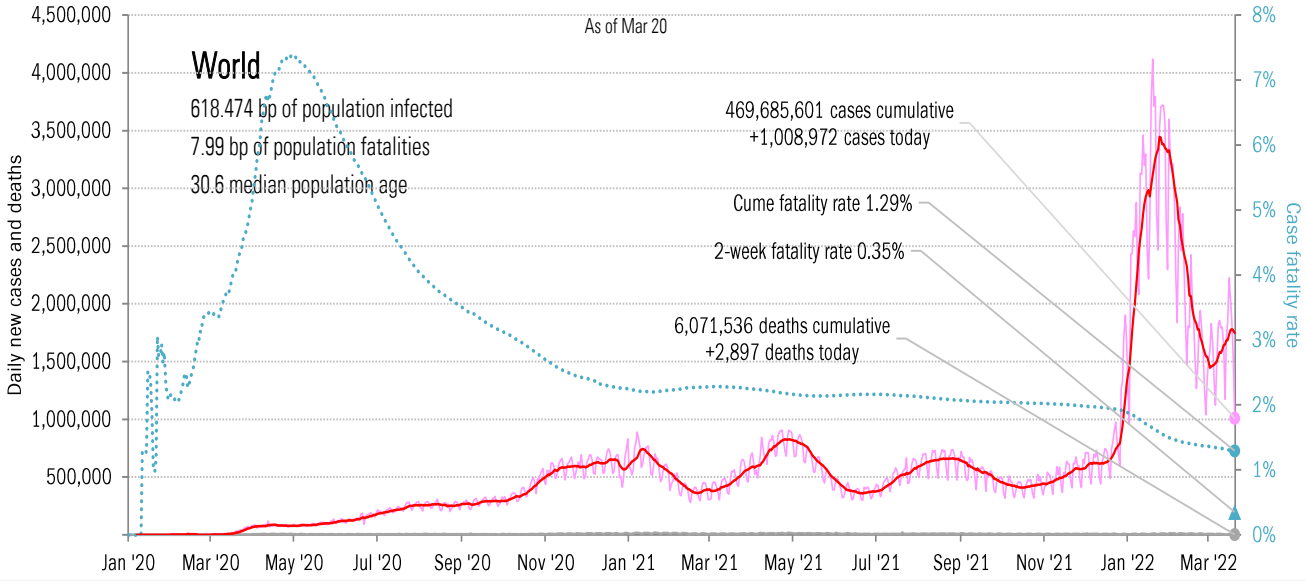
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	209,169	Russia	422
Vietnam	166,207	Korea, South	329
Germany	92,316	Philippines	240
France	81,283	United States	196
Italy	61,564	Mexico	141
Australia	43,230	Indonesia	139
Japan	39,560	Brazil	106
Austria	37,192	Switzerland	95
Netherlands	34,823	Italy	93
Russia	30,513	Thailand	88
	795,857		1,849
World	1,008,972	World	2,897
Top ten	79%	Top ten	64%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

Cases: 7-day average and daily Deaths: Daily

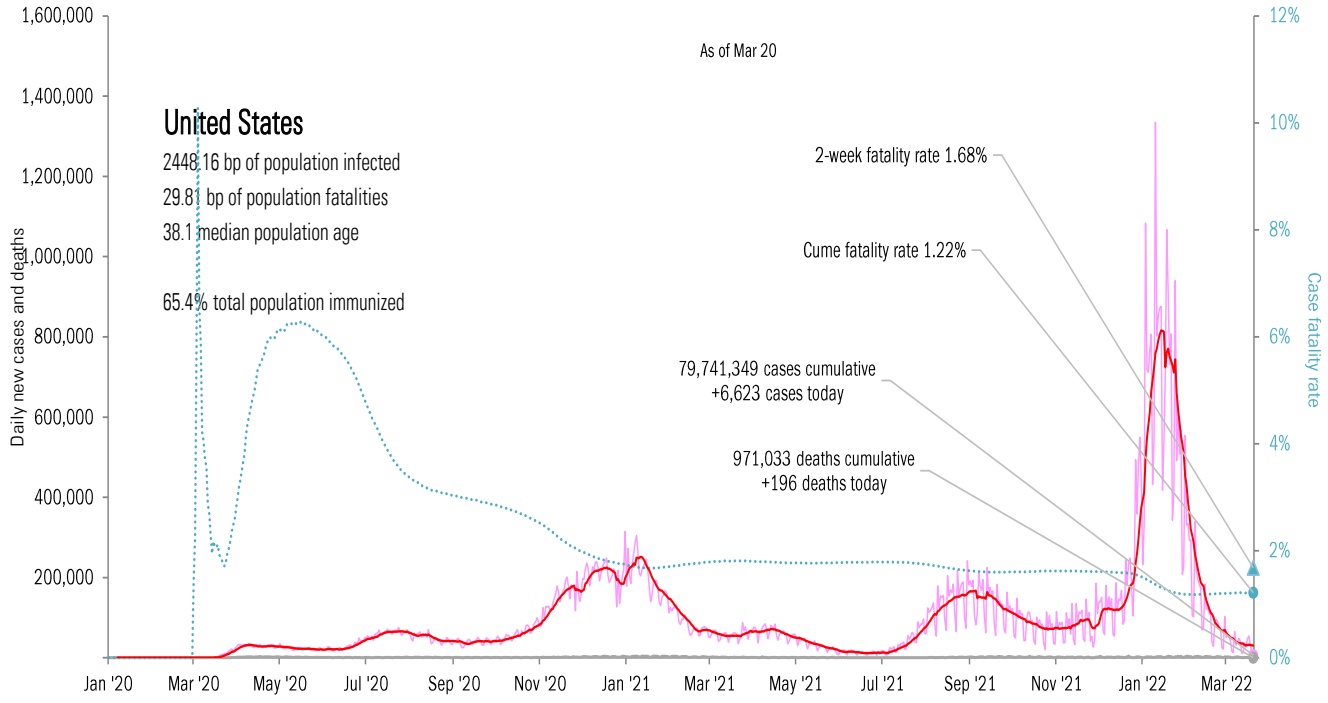
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	2,667	FL	121	KS	33	CA	9,065,637	CA	88,024	TX	484,842	RI	89%	KY	86%
TX	2,217	PA	38	NY	124	TX	6,691,638	TX	86,654	CA	420,222	MA	85%	TX	85%
NJ	513	AR	22	MA	33	FL	5,874,824	FL	72,575	FL	411,921	MN	85%	AL	85%
PA	362	MD	5	MT	14	NY	4,963,787	NY	67,817	NY	243,471	WV	83%	RI	84%
AR	290	NY	4	NE	14	IL	3,053,185	PA	44,049	GA	205,920	MO	83%	NM	84%
PR	287	TX	4	OK	38	PA	2,774,815	OH	37,608	OH	189,397	WA	83%	WA	81%
MD	204	NJ	2	DE	12	OH	2,666,030	GA	36,507	PA	174,811	PA	82%	DC	79%
DE	76	AK	0	OH	78	NC	2,616,864	IL	35,631	IL	155,607	MD	82%	MS	79%
GU	7	AL	0	SD	10	GA	2,482,518	MI	35,418	MI	139,892	DC	82%	NC	79%
AK	0	AS	0	MN	40	MI	2,378,439	NJ	33,169	KY	139,337	NH	81%	WV	78%
	6,623		196		396		42,567,737		537,452		2,565,420				
All states	6,623		196		1,978	All states	79,741,349		971,033		4,652,427	All states	70%		67%
Top ten	100%		100%		20%	Top ten	53%		55%		55%	Median	76%		74%

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	TX	-57	GA	-235	AK	+10 bp
CA	-3,195	DE	-21	IN	-78	GA	+10 bp
AR	-841	CA	-20	IA	-32	ID	+10 bp
NJ	-356	NJ	-10	MO	-28	KS	+10 bp
PA	-329	AR	-3	NH	-17	MO	+10 bp



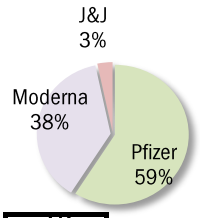
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	573,565,103				+0.091 million
Boosters	97,881,710				+0.038 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	262,639,999	79%	223,294,818	67%	+0.023 million
Age 12 to 17	17,481,441	69%	14,908,045	59%	+0.003 million
Age 18 to 64	176,958,779	87%	150,066,286	74%	+0.012 million
Age 65 and over	58,289,102	100%	50,449,611	92%	+0.002 million

Immunity	Full	Partial
US	65.4%	76.8%
UK	72.2%	77.3%
France	77.8%	80.1%
Spain	85.5%	88.0%
Germany	75.1%	75.8%
Italy	79.1%	84.0%
Australia	81.3%	86.0%
Israel	65.9%	72.1%
Canada	81.5%	85.7%
Japan	79.7%	81.0%
Africa	14.9%	20.1%
India	58.8%	69.7%
Brazil	74.2%	84.3%
China	85.8%	88.1%

Global data differs due to sources, timing



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

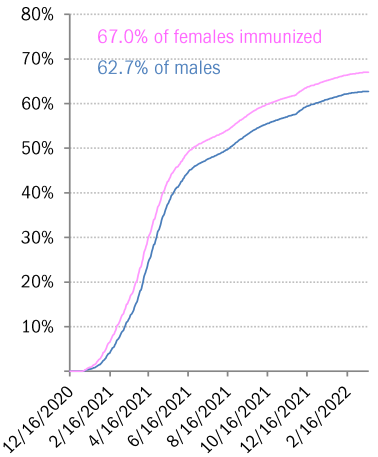
"Immunity" = two doses

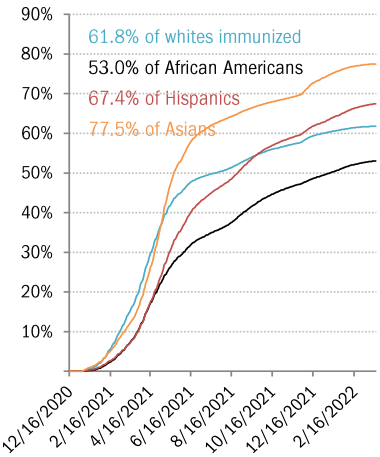
Best
Middle
Worst

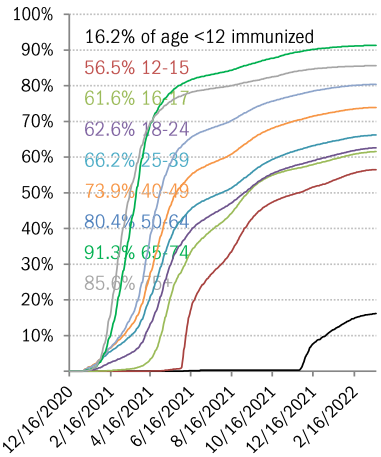
As of Mar 20

					WI					ME
					71.3%					89.3%
					64.9%					78.7%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.1%	60.6%	64.7%	64.6%	74.6%	76.2%	66.5%		89.4%	92.8%	95.0%
71.9%	53.5%	56.2%	54.6%	68.6%	68.0%	59.6%		76.0%	80.5%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.3%	74.5%	58.2%	75.4%	67.5%	61.0%	63.1%	83.8%	89.5%	95.0%	
69.0%	60.1%	50.9%	60.3%	61.4%	54.4%	57.9%	67.4%	74.8%	78.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.3%	71.5%	78.7%	69.6%	65.7%	65.6%	64.5%	84.9%	85.4%	94.4%	95.0%
71.0%	63.6%	69.6%	62.8%	55.5%	56.8%	57.1%	72.4%	74.5%	78.2%	81.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.0%	86.5%	73.9%	66.1%	61.6%	82.9%	67.0%	95.0%	82.2%	
	60.6%	70.1%	60.7%	53.9%	53.9%	59.7%	56.4%	72.2%	68.1%	
			OK	LA	MS	AL	GA			
			70.3%	60.6%	59.1%	62.2%	64.7%			
			56.4%	53.0%	51.3%	50.6%	54.1%			
HI			TX					FL		PR
86.8%			71.8%					78.5%		95.0%
77.7%			60.6%					66.3%		82.0%

The demographics of US vaccination



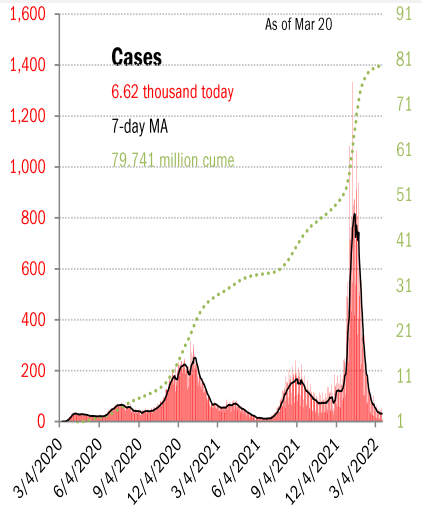


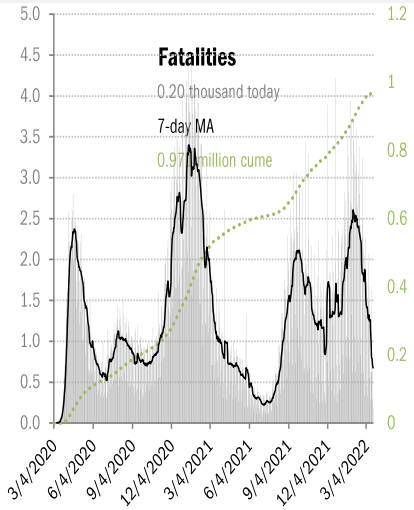


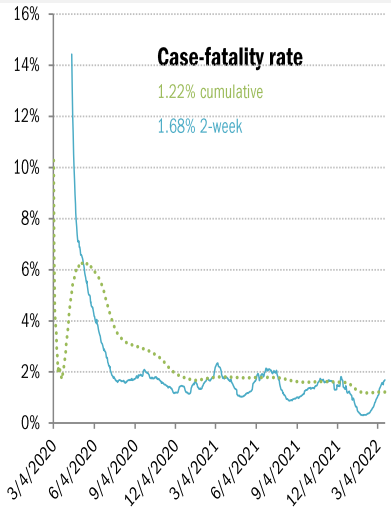
Source: CDC, CDC, Our World in Data, TrendMacro calculations

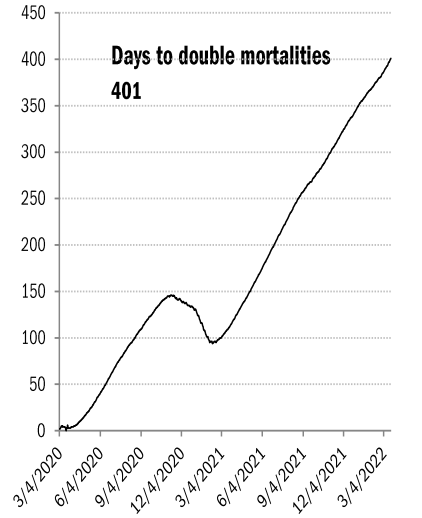
US deep-dive

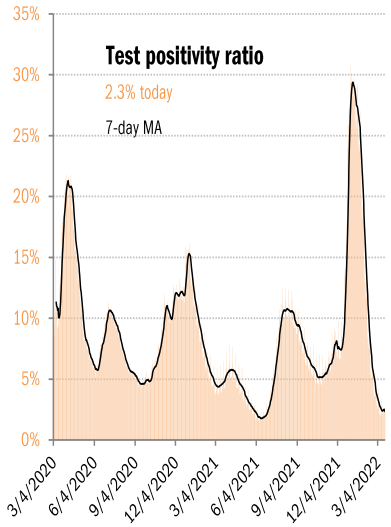
National and state-by-state data do not line up because of different sources

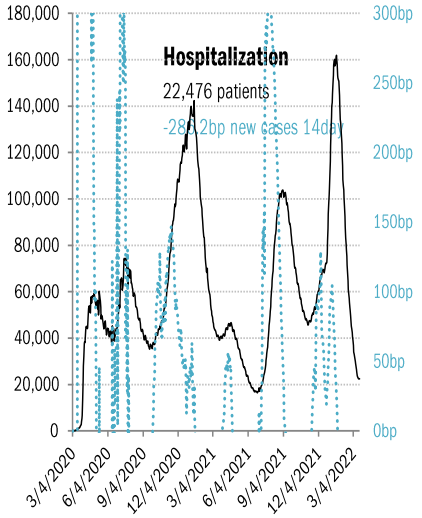


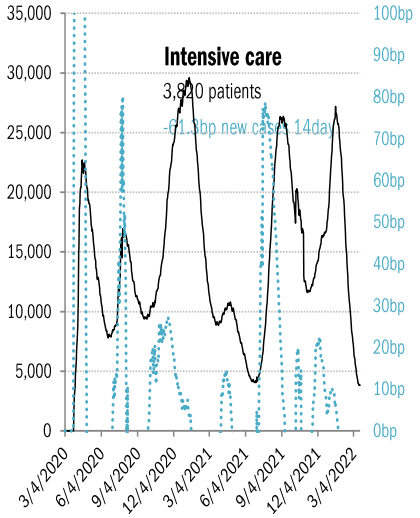


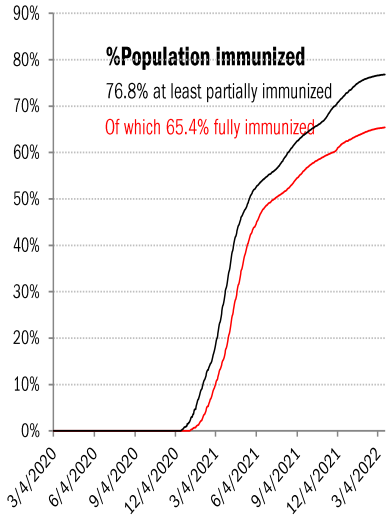












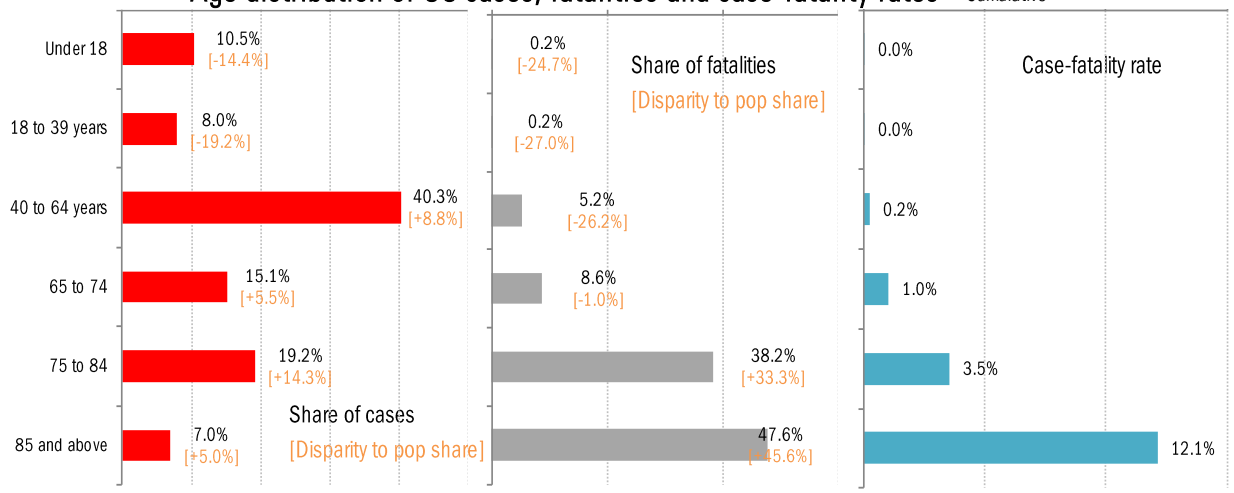
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

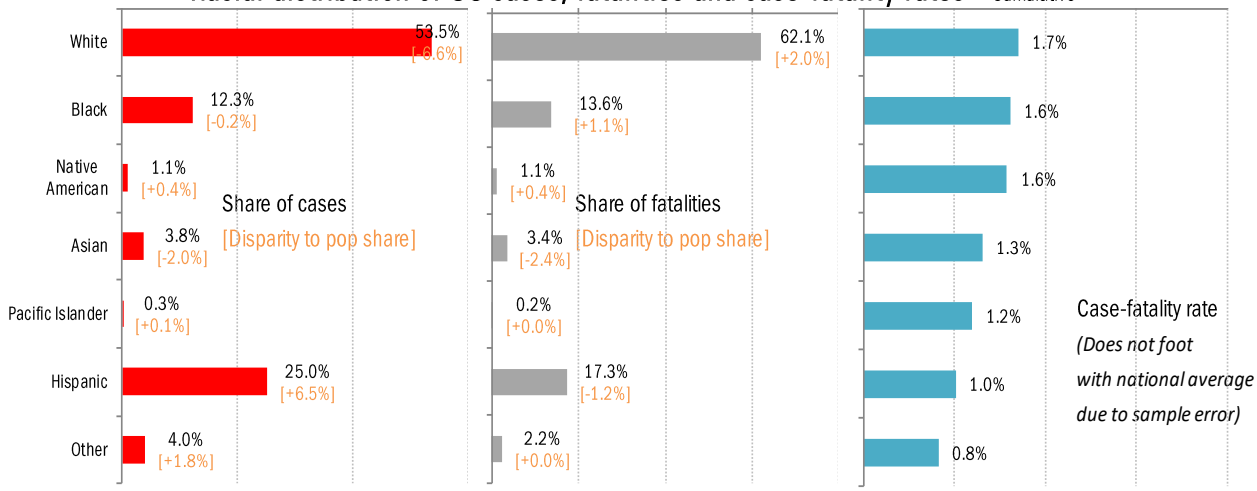
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



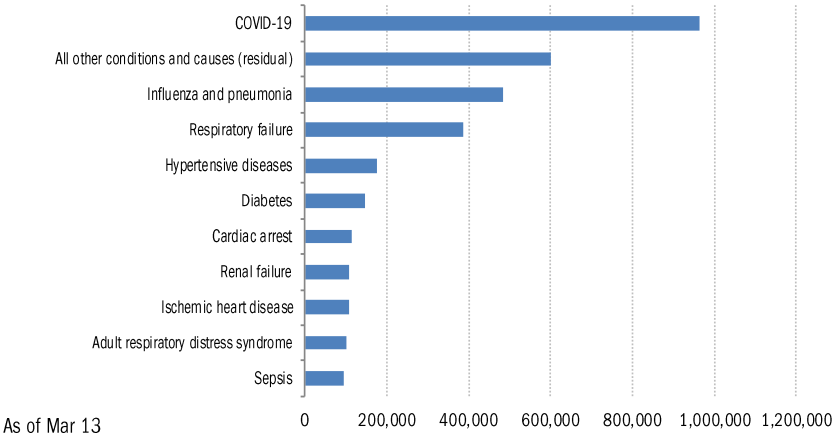
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Mar 13

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 predicts an uptick in U.S. cases, saying it is not yet time to 'declare victory.'](#)
Christina Jewett
New York Times
March 20, 2022

[Pentagon's Work With Ukraine's Biological Facilities Becomes Flashpoint in Russia's Information War](#)
Sharon Weinberger
Wall Street Journal
March 20, 2022

[How Public Opinion Ended Covid, and Started the Next Thing](#)
Jeffrey Tucker
Brownstone Institute
March 14, 2022

[Anatomy of the Hong Kong Disaster](#)
Ian Miller
Brownstone Institute
March 19, 2022

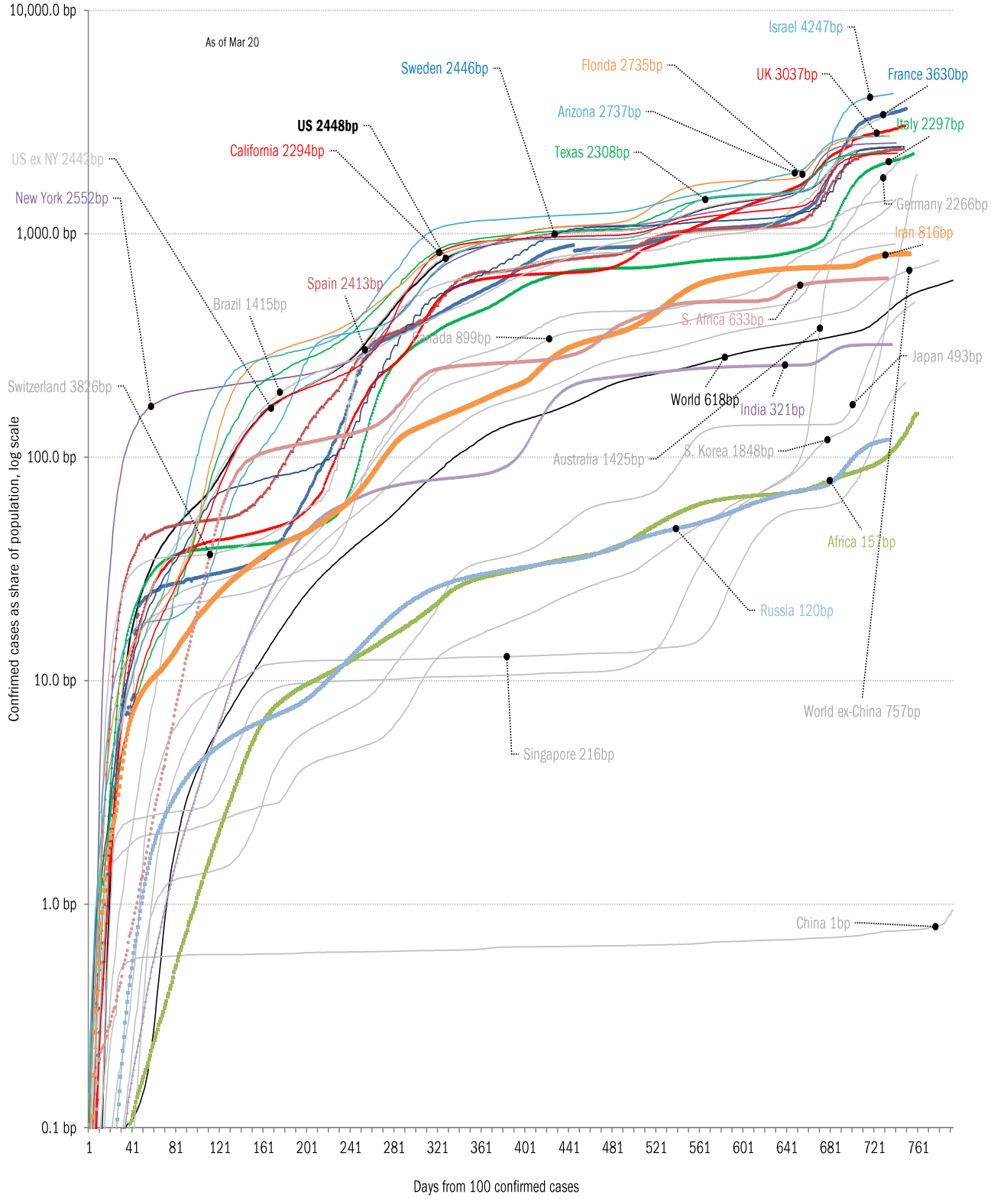
[Fauci Unmasked](#)
Michael Knowles
The Daily Wire
March 19, 2022

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

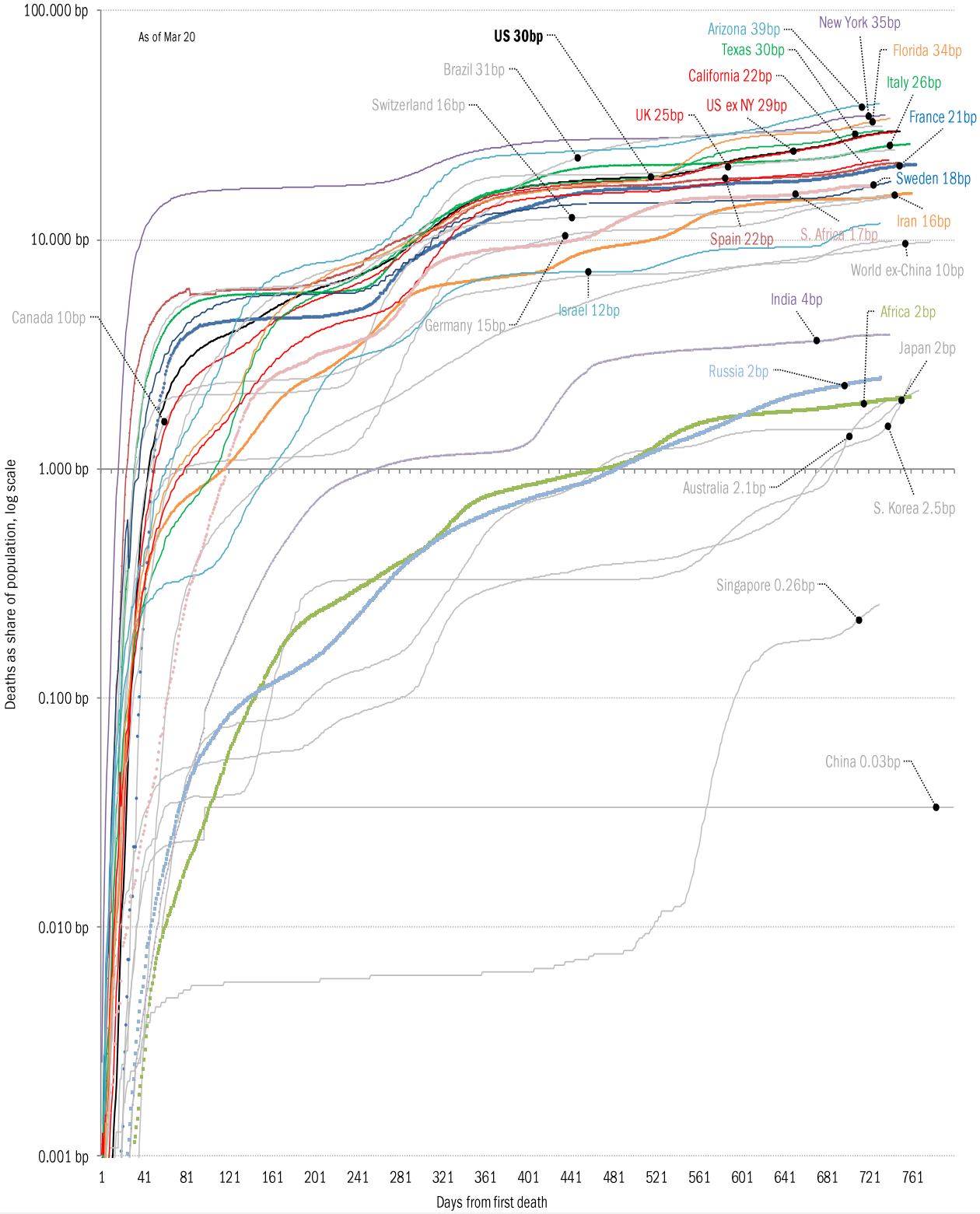
Share of infected population from first day with 100 confirmed cases, log scale



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

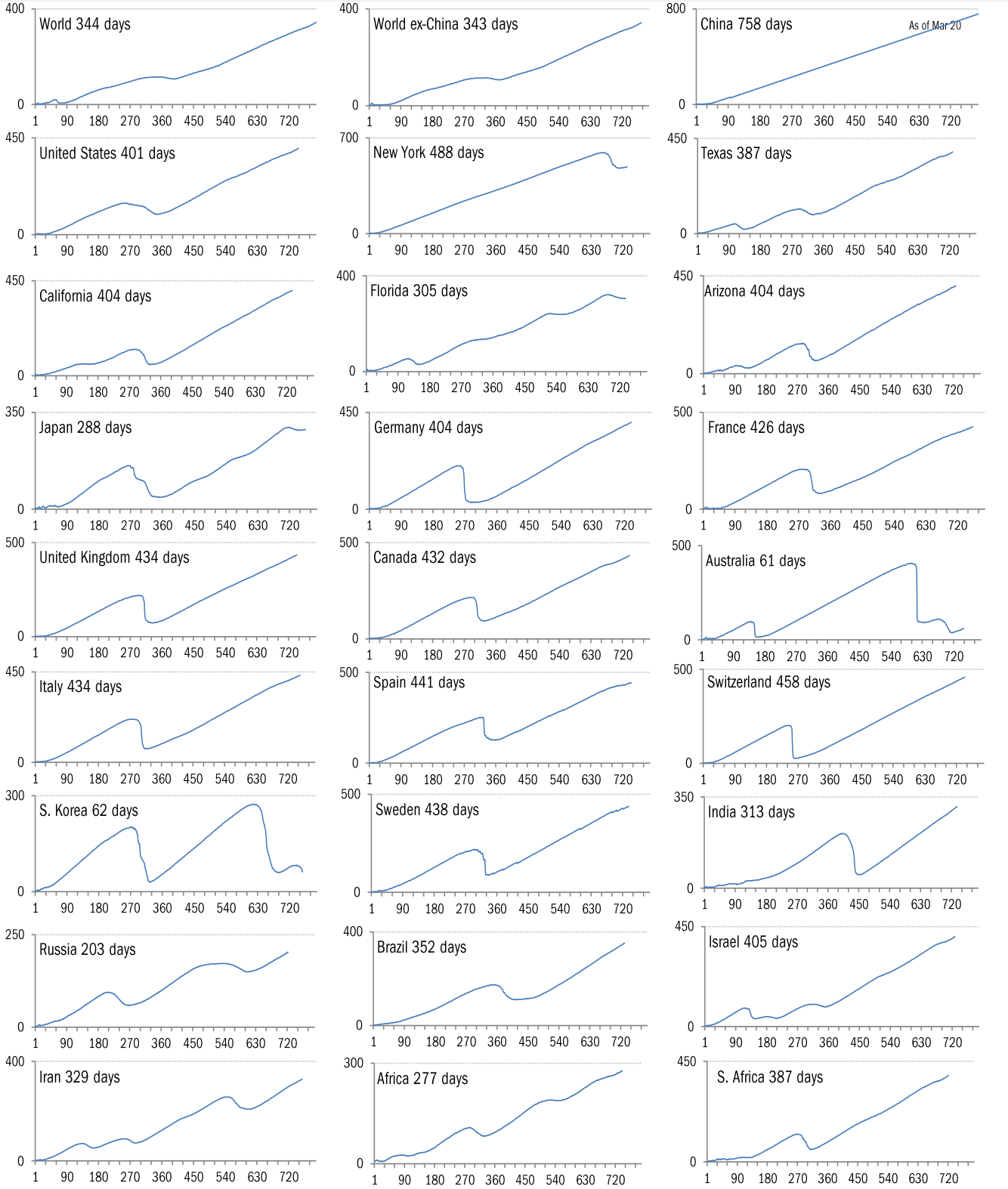


Source: Johns Hopkins, TrendMacro calculations

"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

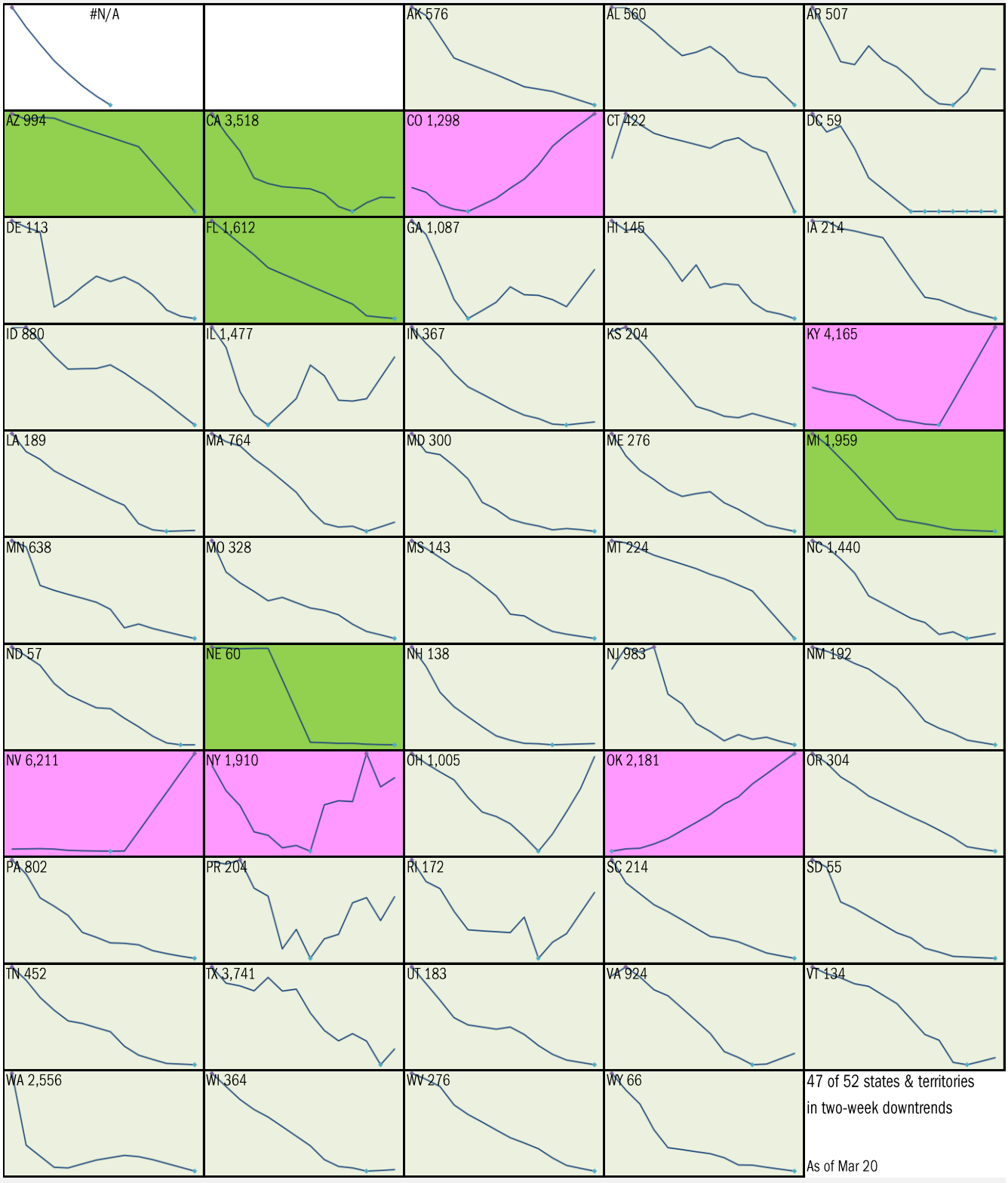


Source: Johns Hopkins, TrendMacro calculations

14-day "downward 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

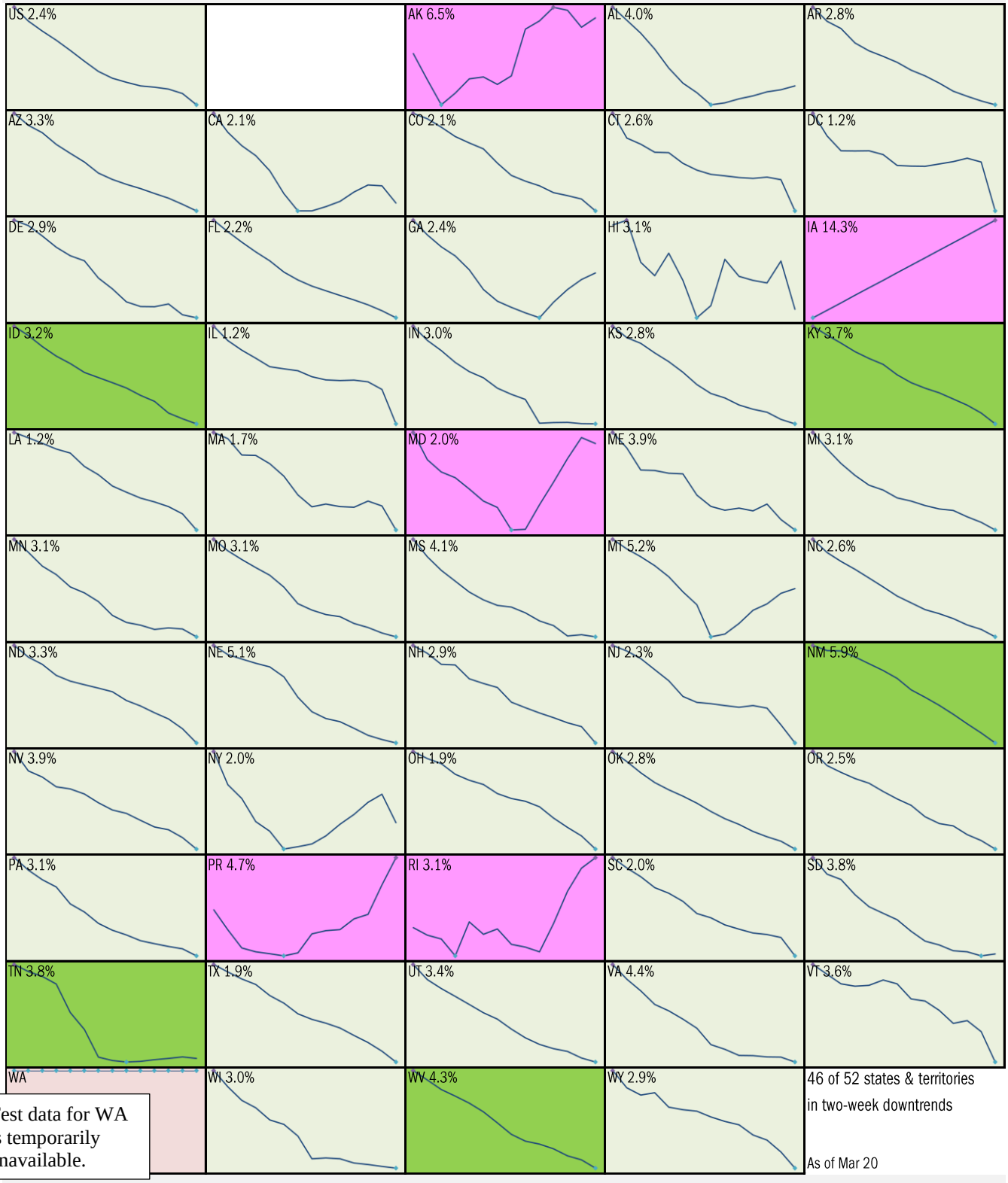


Source: Johns Hopkins, TrendMacro calculations

14-day "downward 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

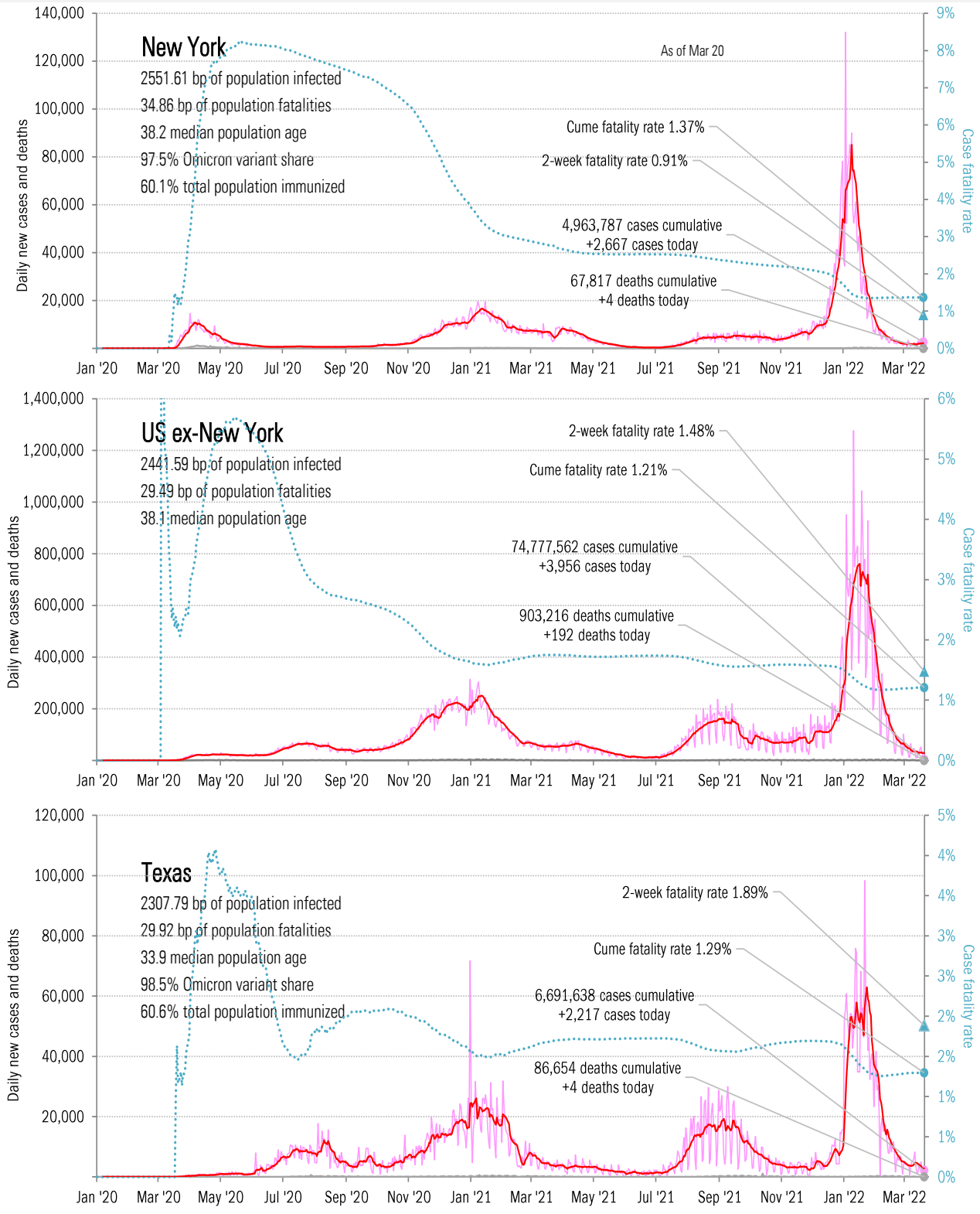


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

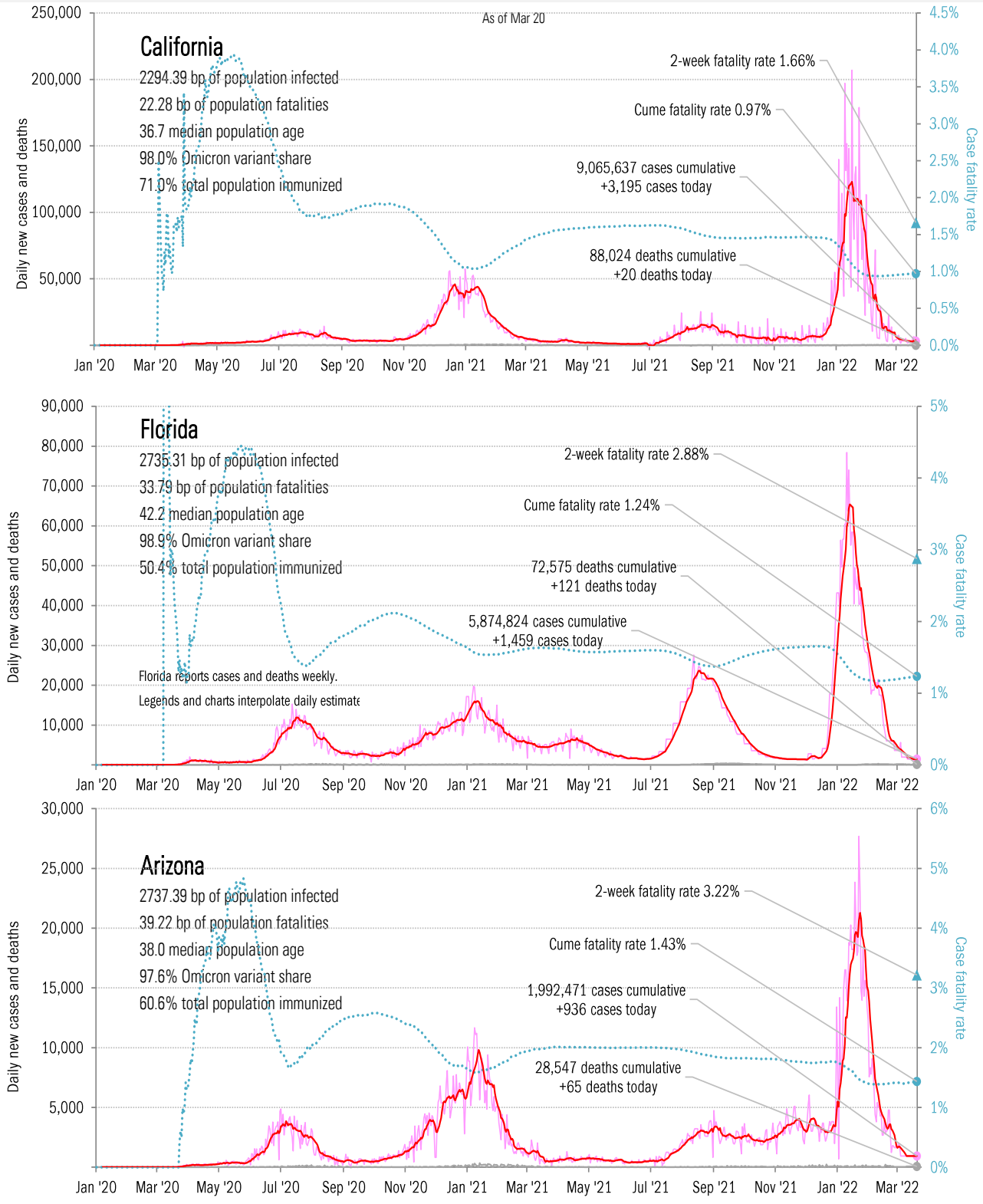
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

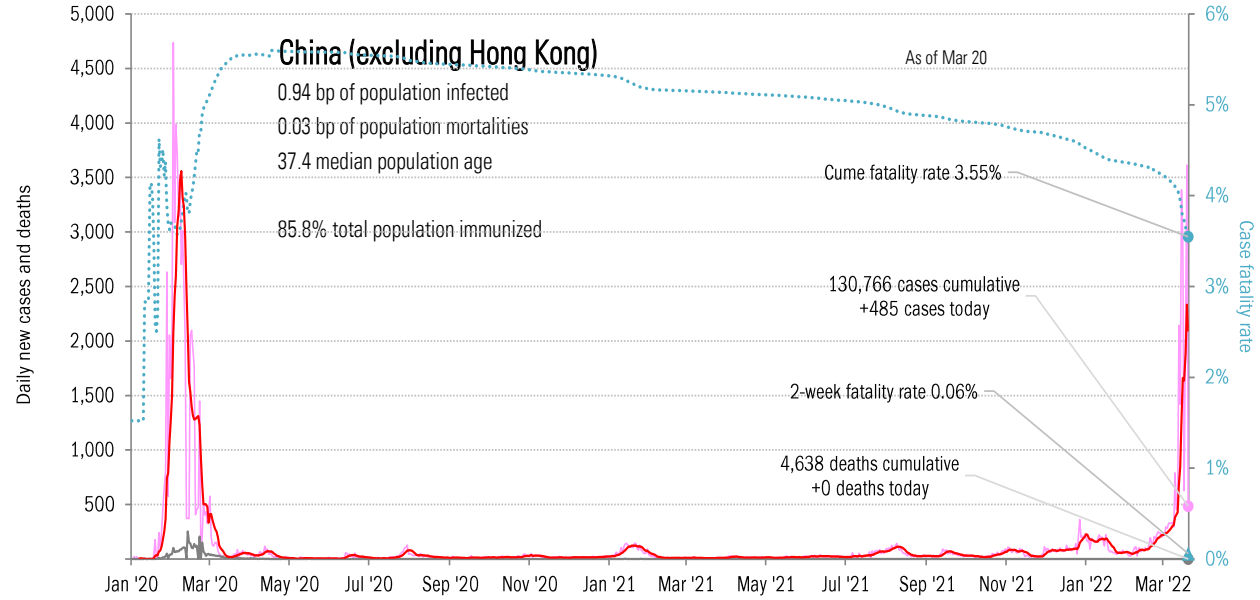
Cases: 7-day average and daily Deaths: Daily

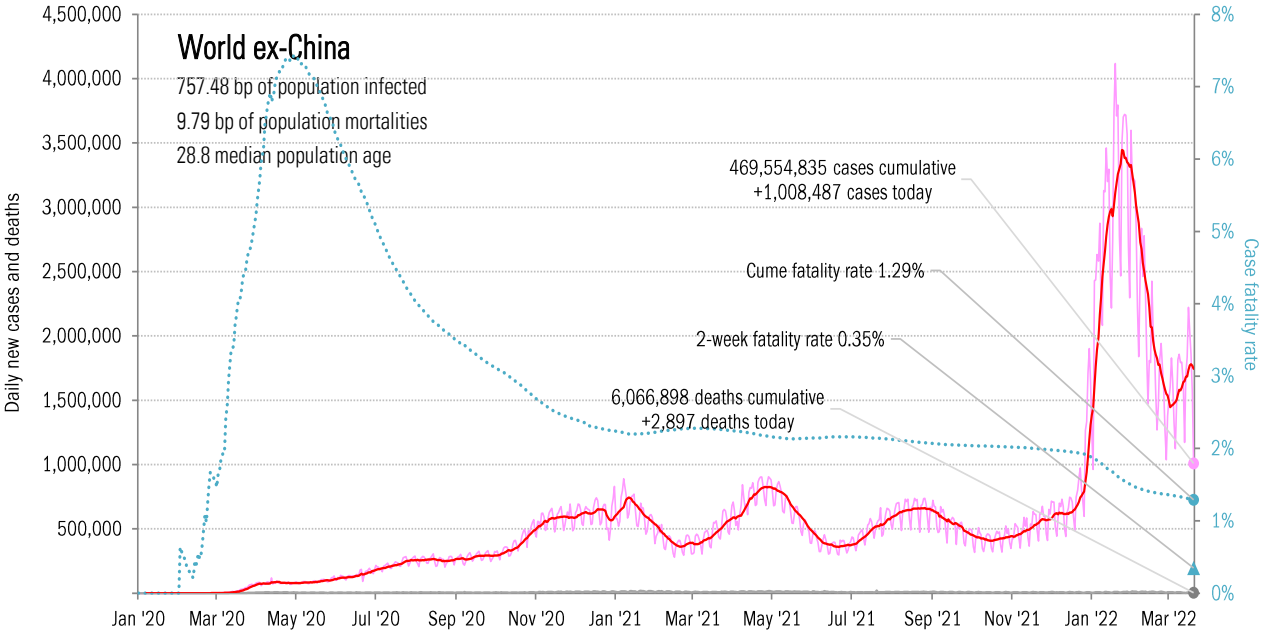


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

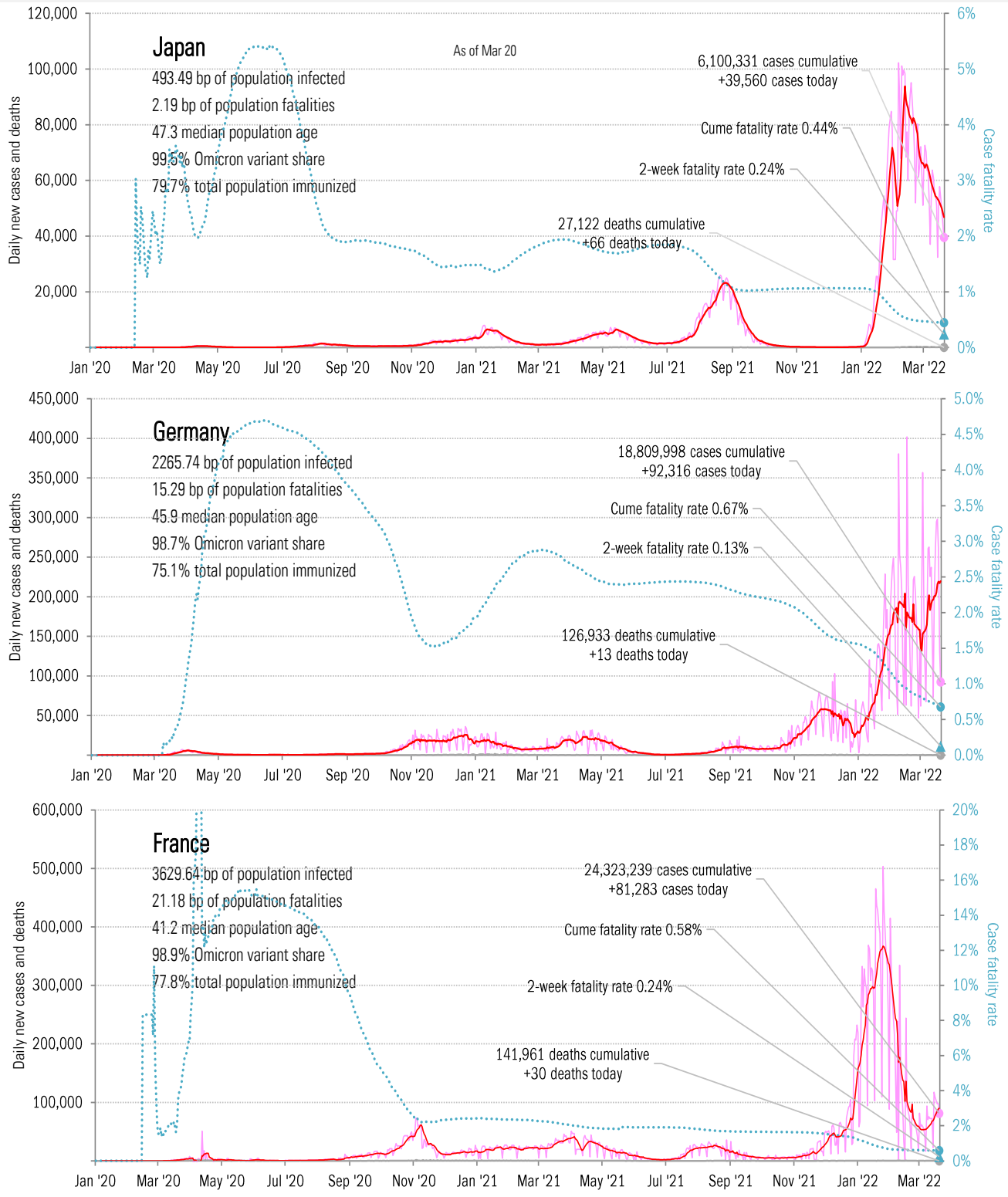




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

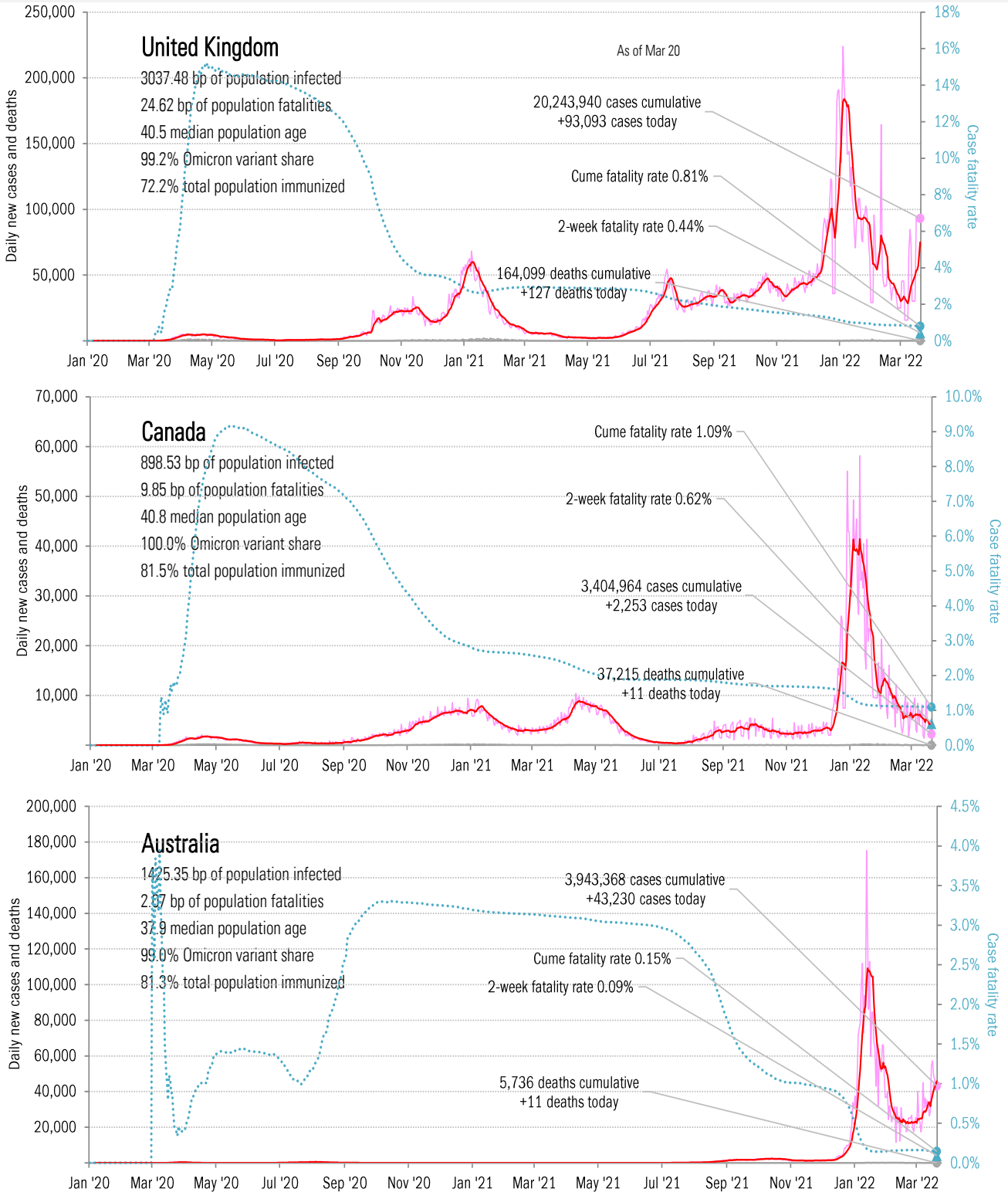
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

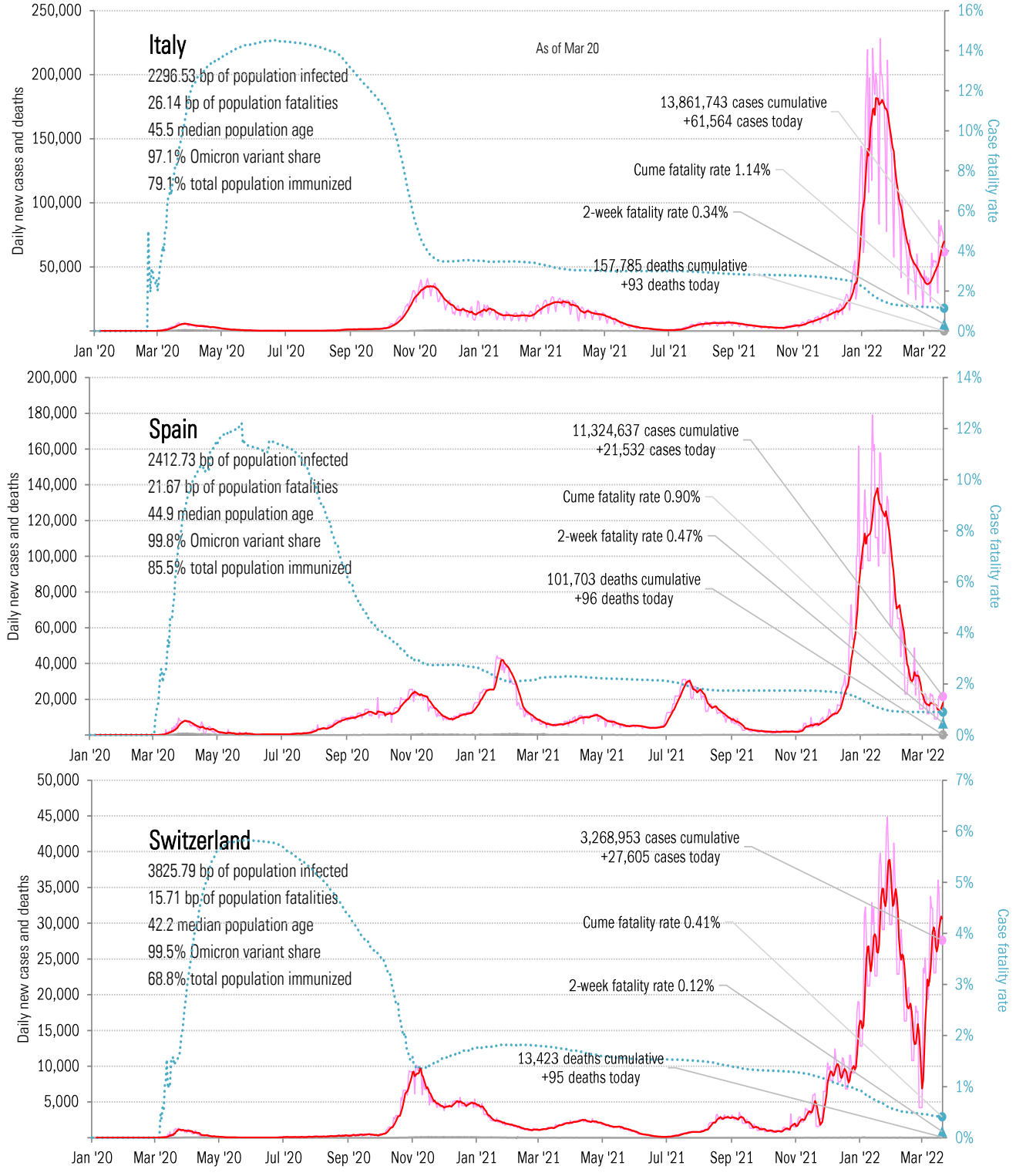
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

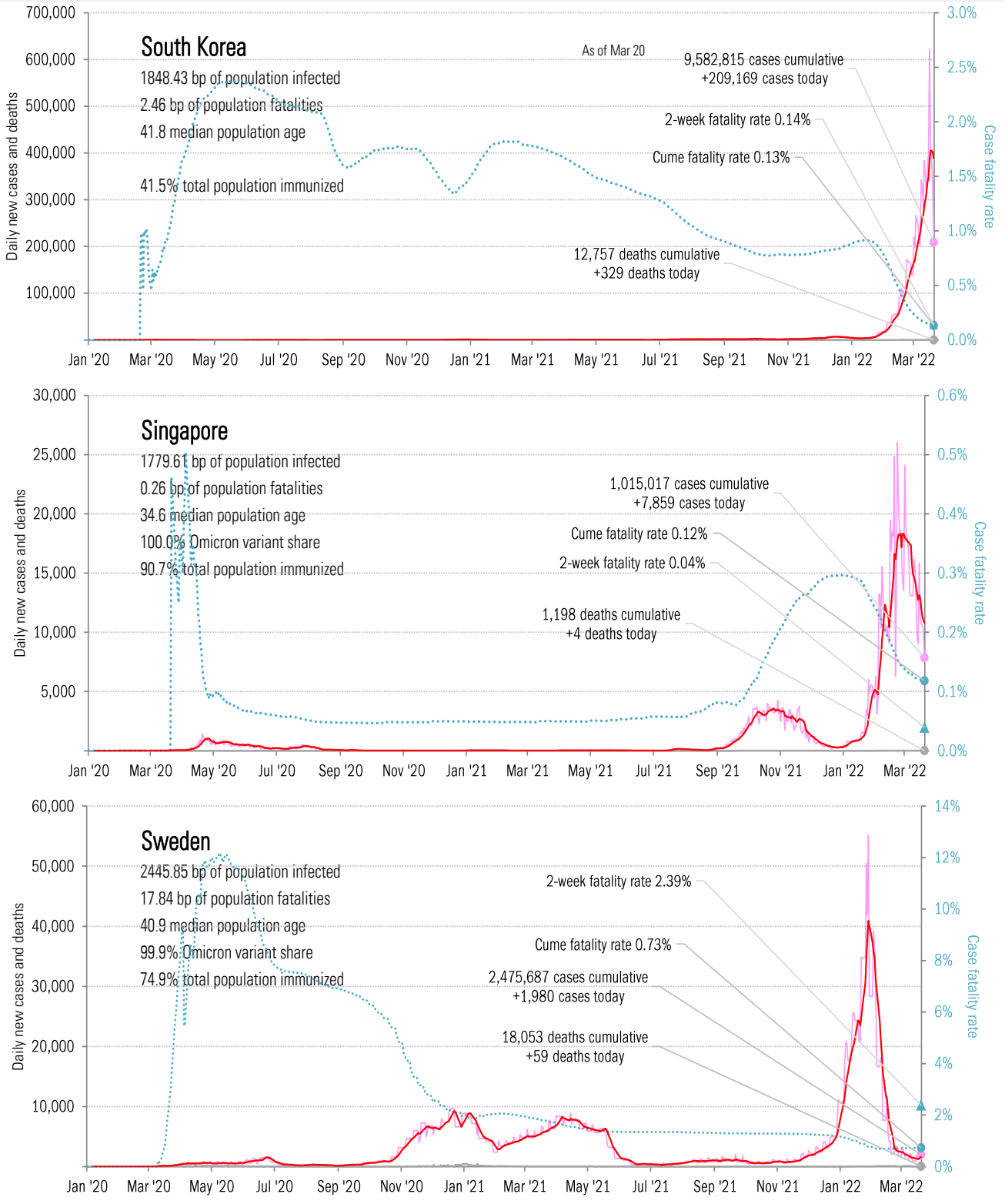
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

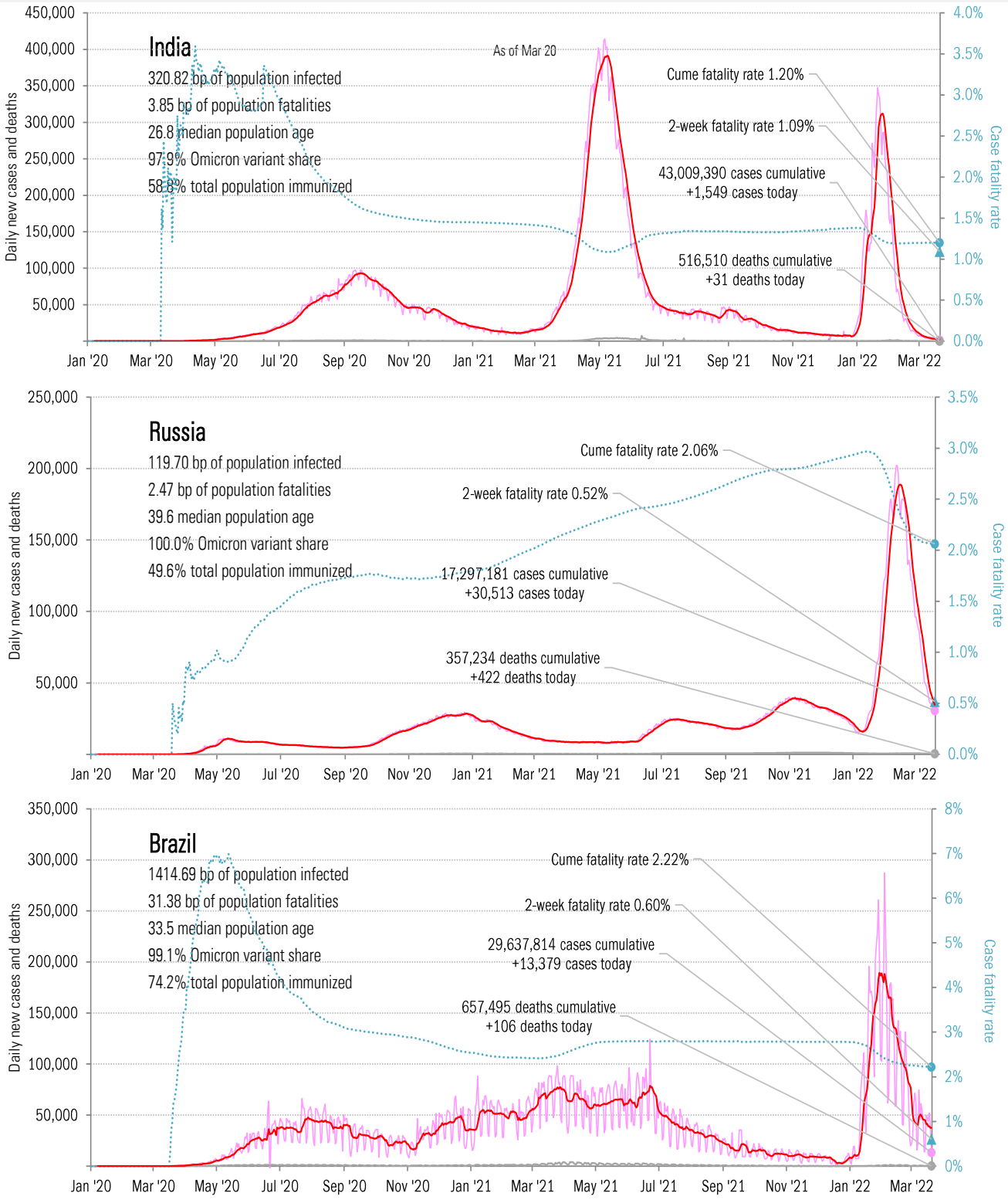
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

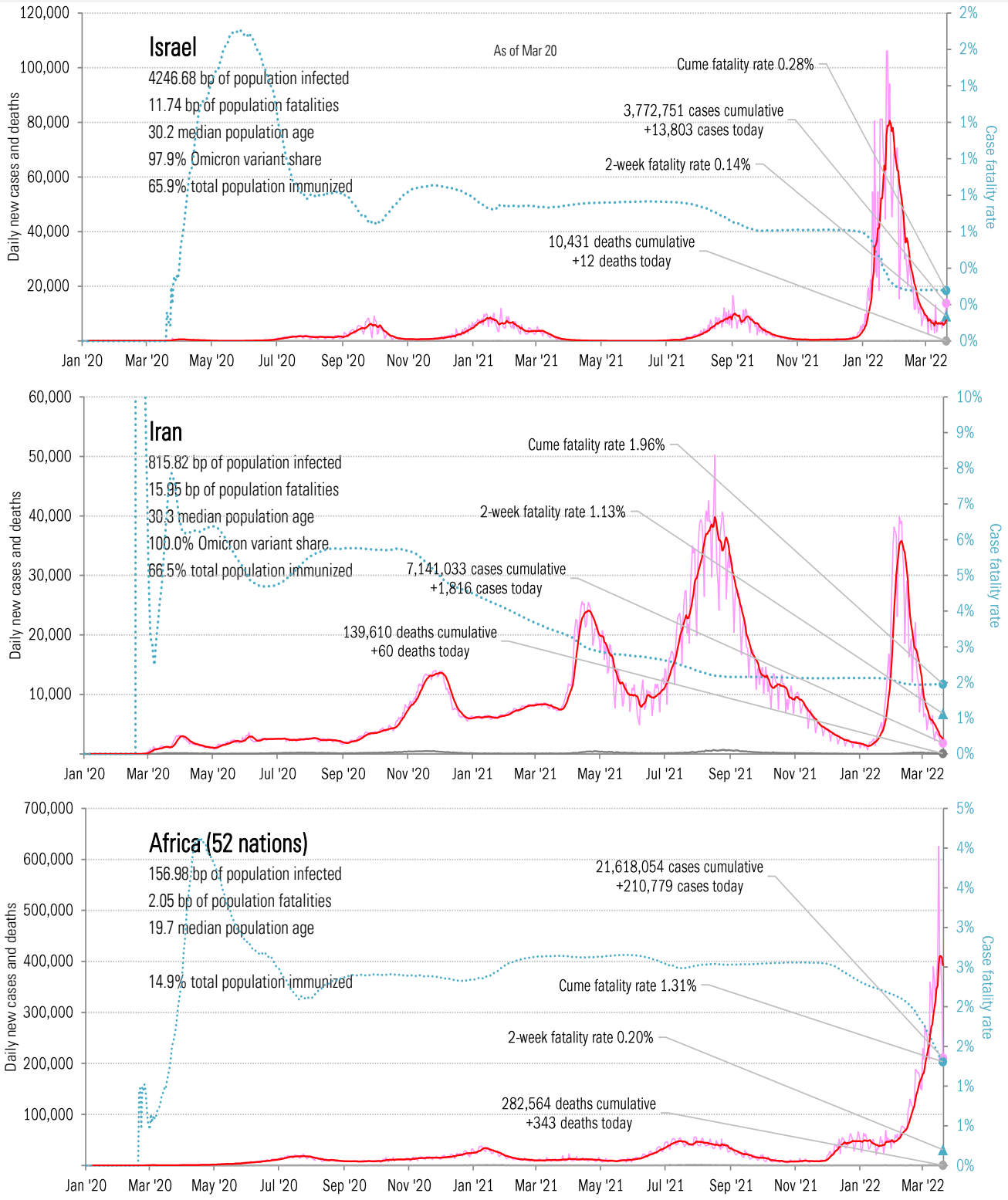
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

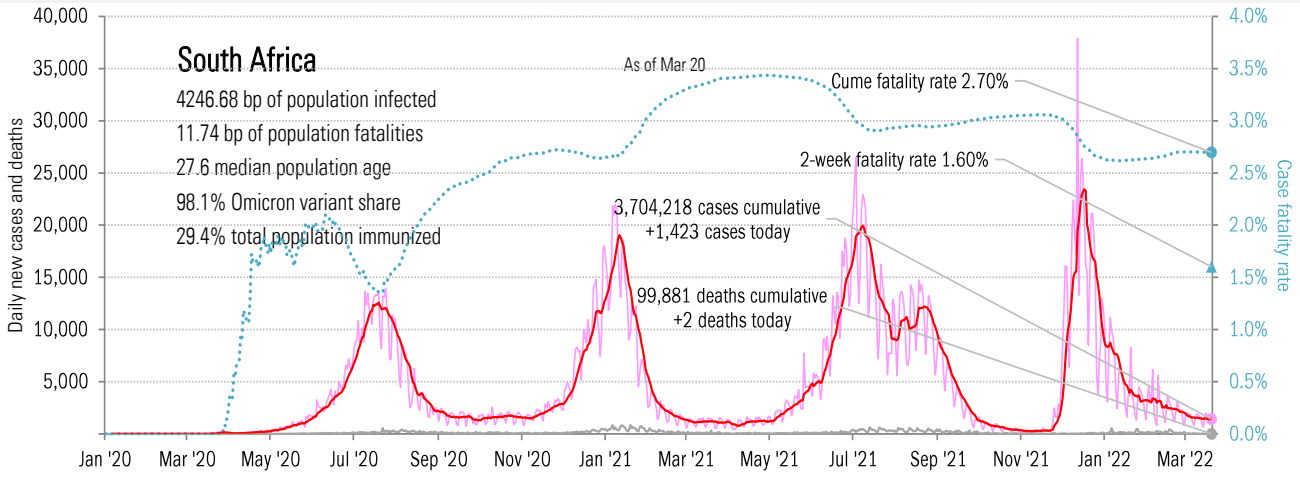
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations