Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

Data Insights: Covid-2019 Monitor

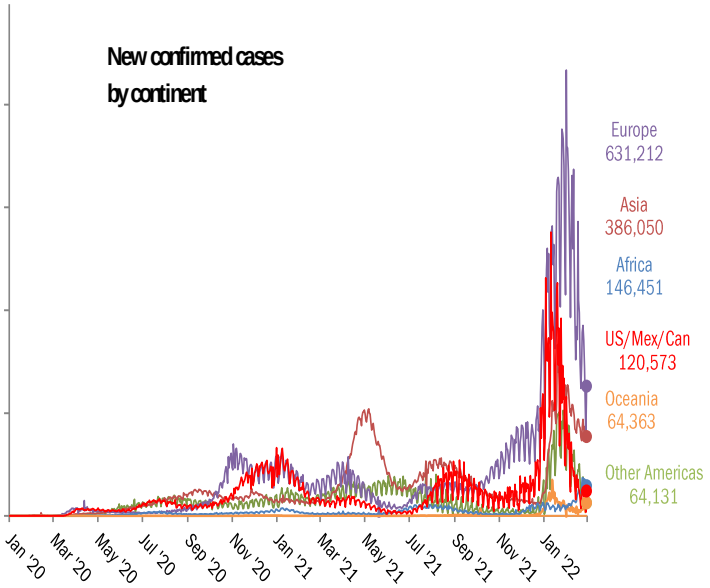
Tuesday, March 1, 2022

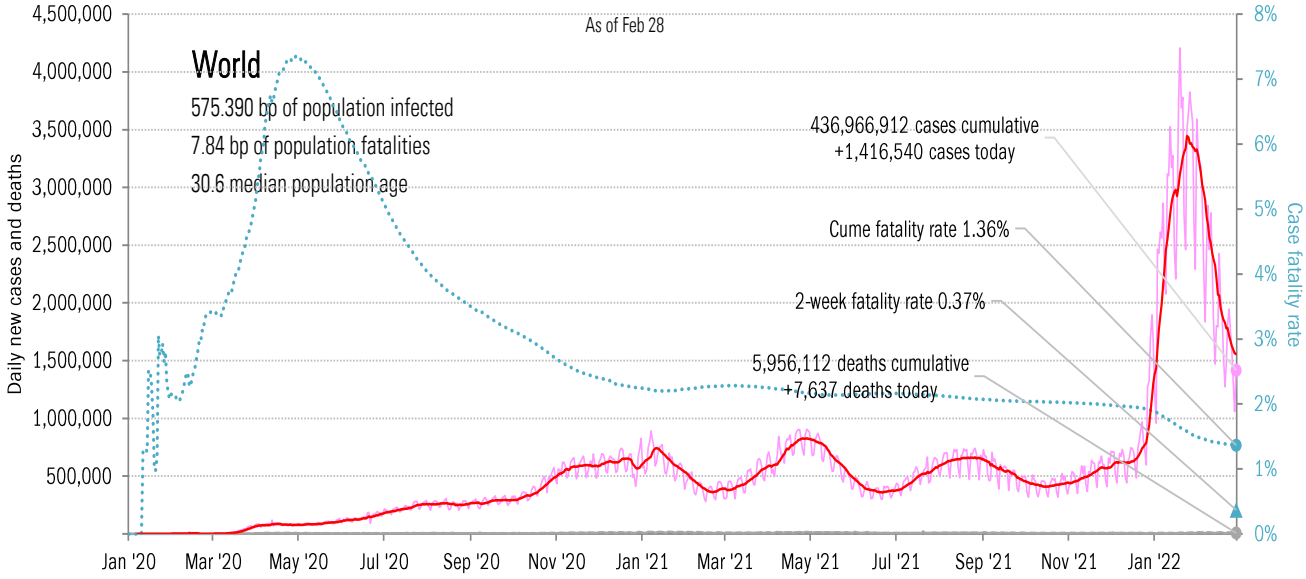
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	138,993	United States	1,968
Germany	132,801	Russia	721
Vietnam	122,480	Vietnam	378
United States	109,600	Indonesia	262
Russia	105,745	Brazil	239
Netherlands	92,108	Germany	236
United Kingdom	82,530	France	233
Turkey	64,275	Turkey	213
Japan	51,016	Iran	207
Switzerland	36,733	Italy	207
	936,281		4,664
World	1,416,540	World	7,637
Top ten	66%	Top ten	61%





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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

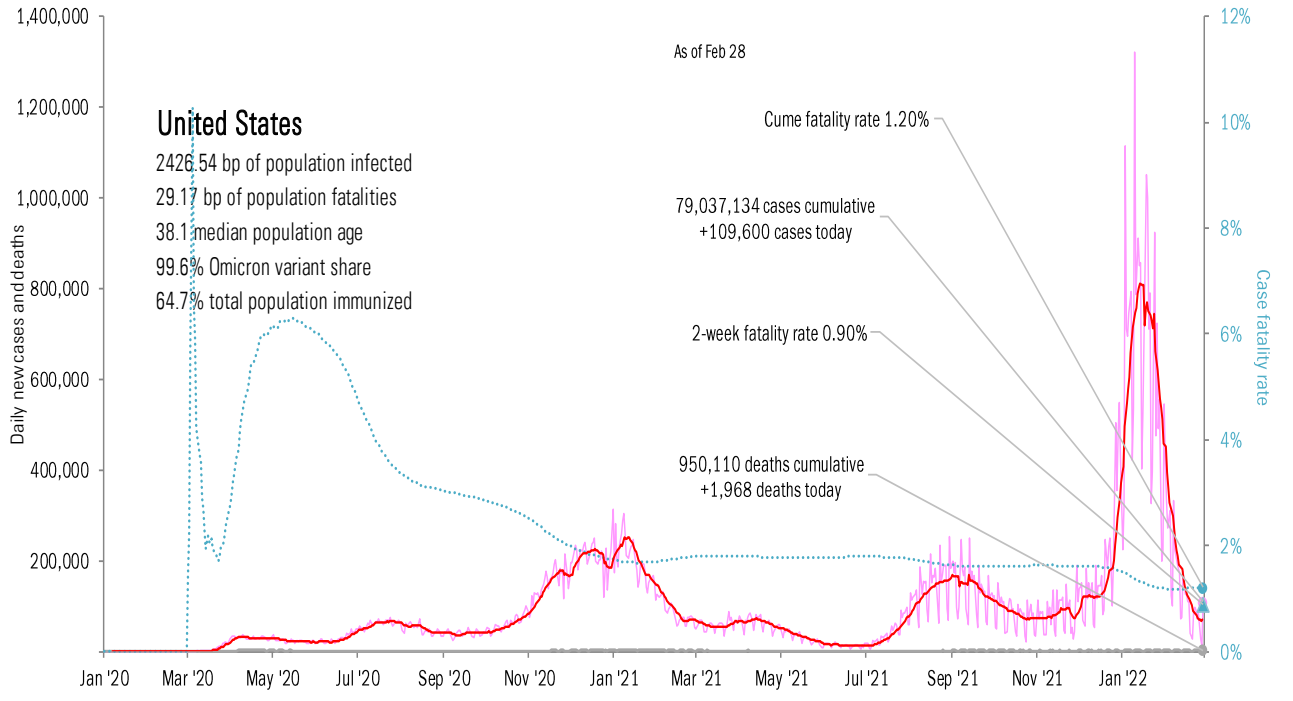
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NE	21,959	CA	425	GA	121	CA	8,978,479	CA	85,468	TX	480,674	RI	87%	AK	87%
CA	16,843	VA	235	TX	36	TX	6,617,106	TX	84,899	CA	414,694	WV	83%	NM	86%
WA	6,492	FL	169	NC	25	FL	5,836,187	FL	69,704	FL	408,562	GA	83%	TX	86%
NC	6,113	IL	109	MA	17	NY	4,925,221	NY	67,358	NY	241,061	MN	83%	AL	86%
IL	4,483	GA	99	ID	14	IL	3,031,220	PA	43,216	GA	202,108	MA	83%	MS	85%
TX	3,972	KY	98	DE	7	PA	2,757,425	OH	36,580	OH	187,927	WA	81%	OK	83%
FL	3,627	SC	75	WV	7	OH	2,653,940	GA	35,415	PA	173,075	MD	81%	KY	82%
VA	3,432	OK	71	NH	5	NC	2,589,517	IL	35,196	IL	154,179	MO	80%	WV	82%
CO	2,718	NC	70	AK	3	GA	2,465,056	MI	34,505	MI	138,430	DC	79%	NV	81%
KY	2,671	TN	69	NV	3	MI	2,360,399	NJ	32,915	KY	138,242	NV	79%	NC	81%
	72,310		1,420		238		42,214,550		525,256		2,538,952				
All states	109,600		1,968		-332	All states	79,037,134		950,110		4,605,247	All states	70%		67%
Top ten	66%		72%		-72%	Top ten	53%		55%		55%	Median	74%		73%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-927	NY	-30	MD	-16	MP	+20 bp
NJ	-517	TX	-12	LA	-15	FL	+10 bp
AL	-157	MD	-11	MS	-13	IL	+10 bp
MP	-106	PA	-11	OR	-13	IN	+10 bp
ND	-70	AR	-5	NM	-10	NC	+10 bp



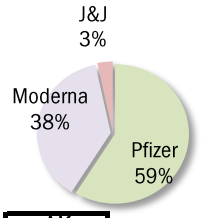
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	568,010,892				+0.280 million
Boosters	95,486,703				+0.121 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	261,176,241	78%	221,818,512	66%	+0.075 million
Age 12 to 17	17,326,262	68%	14,744,848	58%	+0.009 million
Age 18 to 64	176,061,505	87%	149,257,592	73%	+0.039 million
Age 65 and over	58,186,010	100%	50,348,324	92%	+0.004 million

Immunity	Full	Partial
US	64.7%	76.4%
UK	71.8%	77.1%
France	77.5%	80.0%
Spain	83.4%	87.8%
Germany	74.7%	75.6%
Italy	78.6%	83.9%
Australia	79.4%	85.5%
Israel	65.9%	72.1%
Canada	81.1%	85.6%
Japan	79.5%	80.7%
Africa	12.4%	18.3%
India	56.7%	69.3%
Brazil	72.3%	83.0%
China	85.5%	87.9%

Global data differs due to sources, timing



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

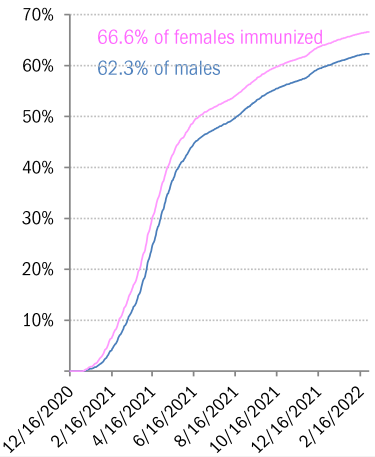
"Immunity" = two doses

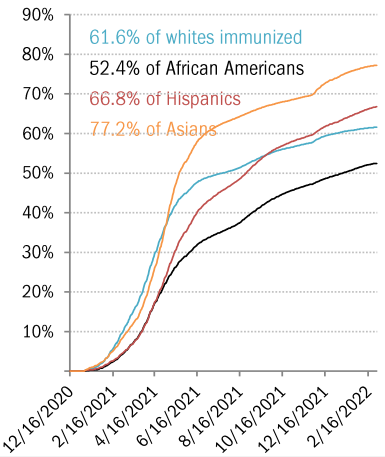
Best
Middle
Worst

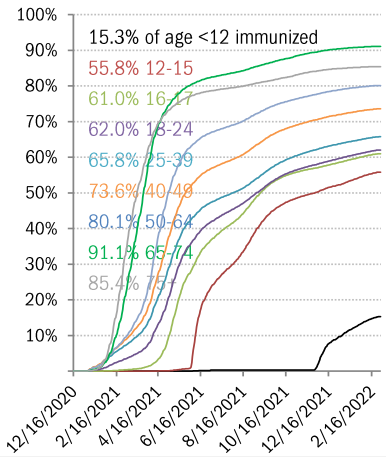
As of Feb 28

					WI					ME
					71.1%					89.1%
					64.6%					78.3%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
79.7%	60.3%	64.5%	64.5%	74.3%	76.0%	66.1%		89.0%	92.6%	95.0%
71.4%	53.1%	55.9%	54.4%	68.2%	67.5%	59.3%		75.5%	80.1%	67.9%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.0%	74.0%	58.0%	74.9%	67.3%	60.7%	62.9%	83.3%	89.0%	95.0%	
68.7%	59.7%	50.6%	59.9%	61.1%	54.1%	57.6%	67.0%	74.3%	77.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
81.9%	71.2%	78.4%	69.4%	65.3%	65.3%	64.2%	84.5%	84.9%	93.9%	95.0%
70.4%	63.3%	69.2%	62.5%	55.1%	56.4%	56.8%	72.0%	74.1%	77.8%	80.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.5%	86.0%	73.4%	65.7%	61.3%	82.3%	66.6%	95.0%	81.7%	
	60.1%	69.7%	60.1%	53.5%	53.6%	59.4%	55.9%	71.5%	67.6%	
			OK	LA	MS	AL	GA			
			70.0%	60.2%	58.8%	61.9%	64.3%			
			56.0%	52.6%	50.9%	50.2%	53.6%			
HI			TX					FL		PR
86.3%			71.1%					78.1%		95.0%
77.2%			60.1%					66.0%		81.4%

The demographics of US vaccination



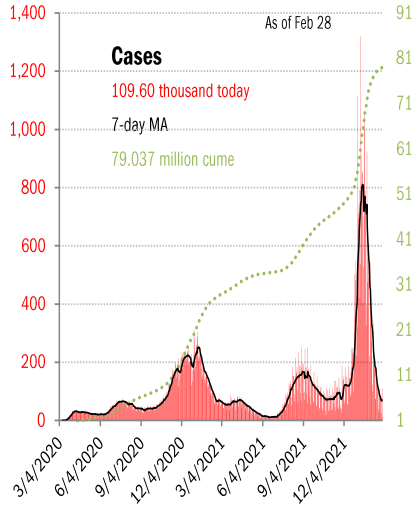


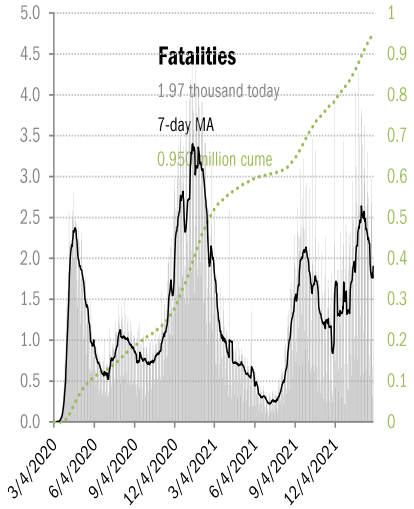


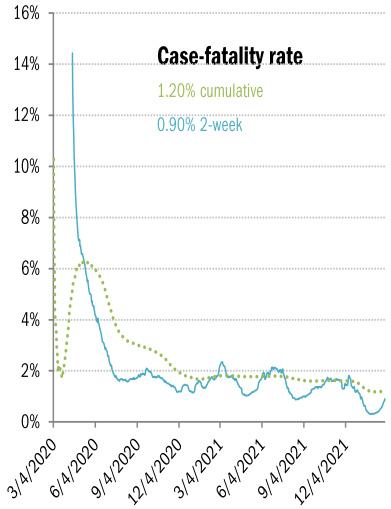
Source: CDC, CDC, Our World in Data, TrendMacro calculations

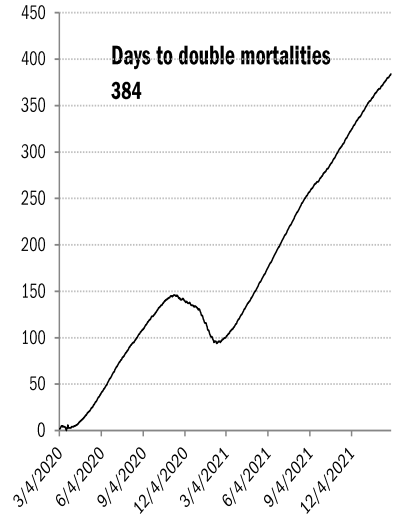
US deep-dive

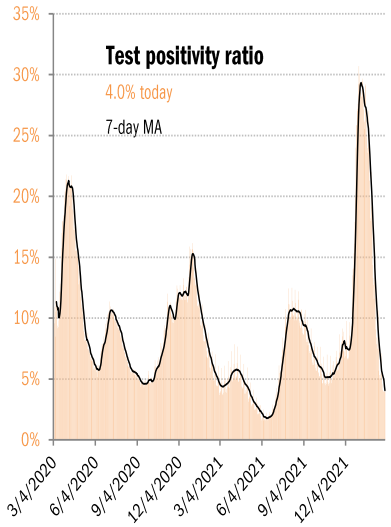
National and state-by-state data do not line up because of different sources

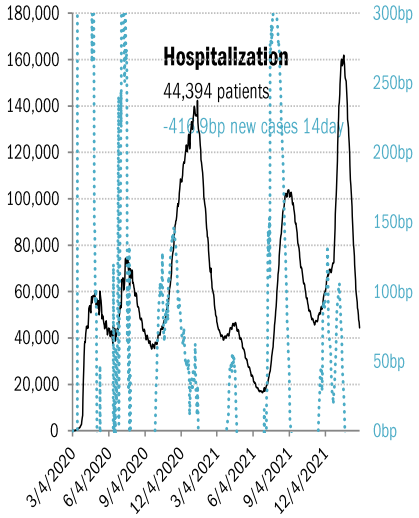


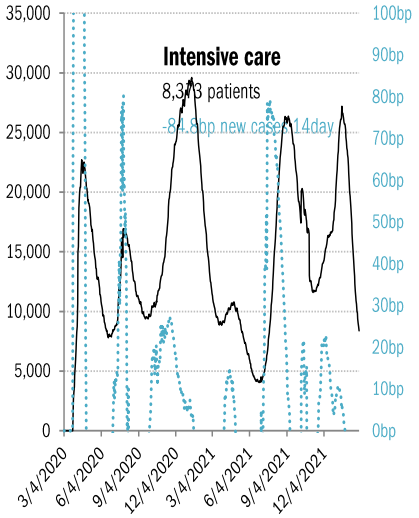


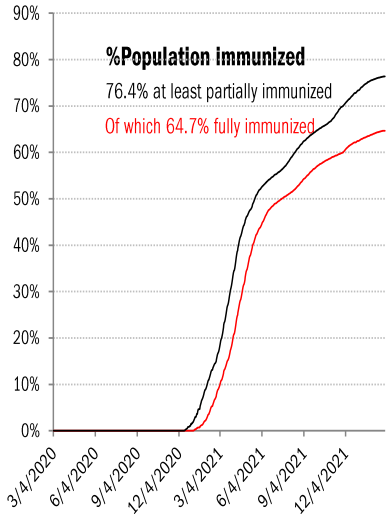






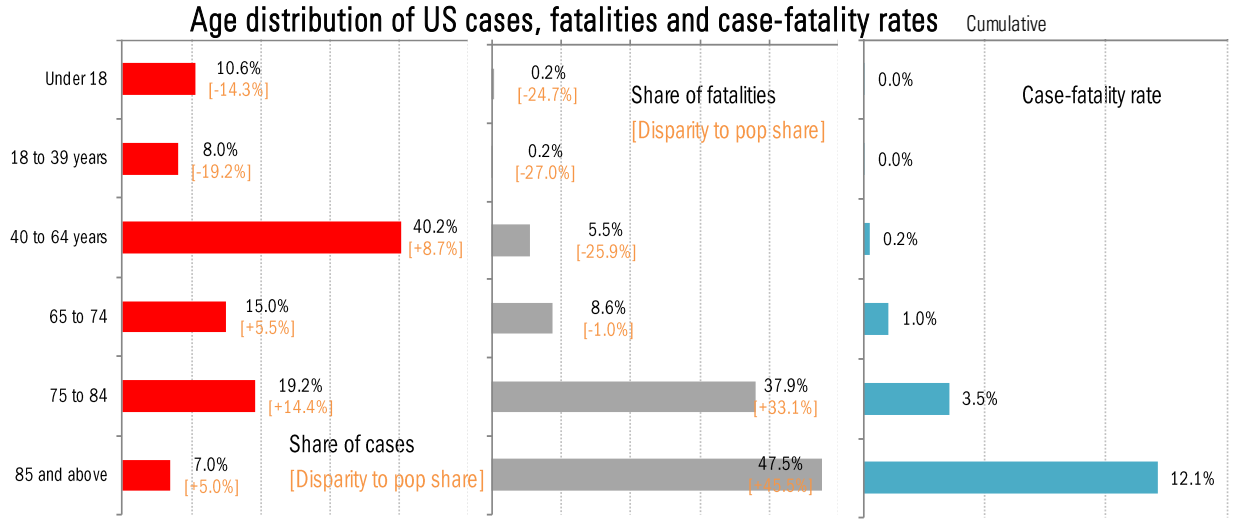


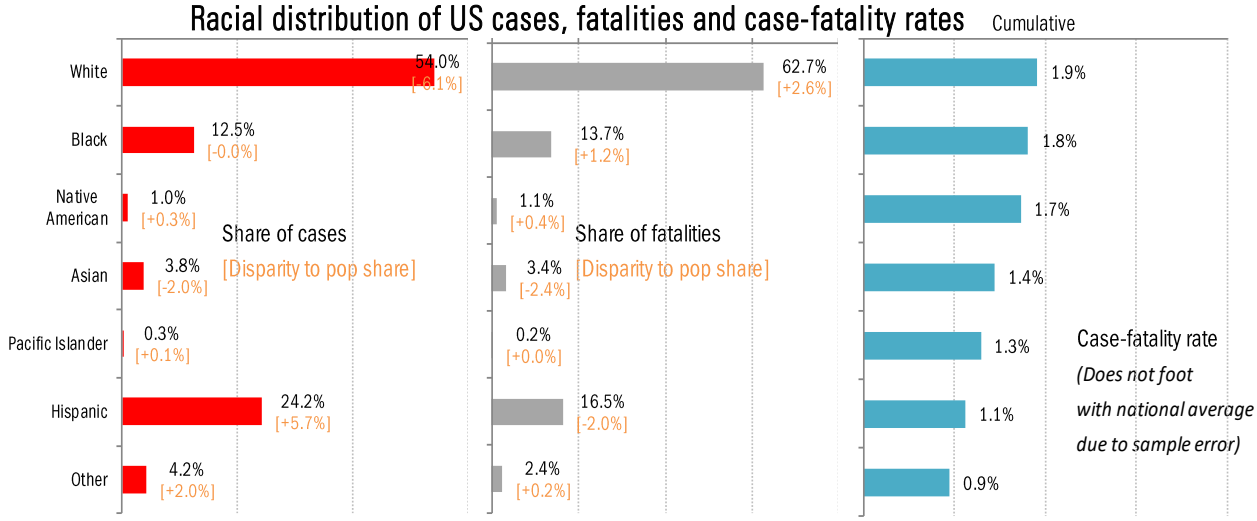




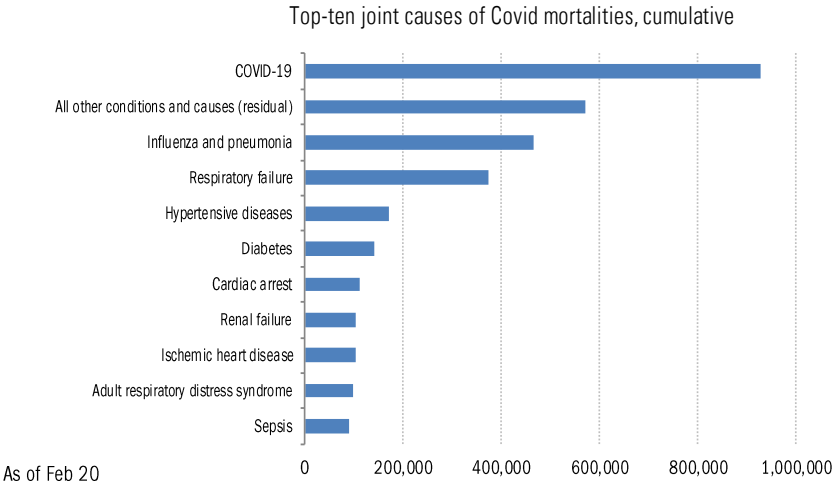
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive on the demographics of age, race and health *Updates weekly on Sundays*





Comorbidities



The CDC website now omits the following text, which had been included every day for over a year:

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

Pfizer's COVID vaccine is just 12% effective in preventing Omicron infection in children aged five to 11, new study reveals - so why ARE health officials pushing parents to get their kids shots?
Mansur Shaheen
Daily Mail
February 28, 2022

California, Oregon, Washington to end school mask mandates
Jocelyn Gecker and Adam Beam
AP
February 28, 2022

What is long covid? Current understanding about risks, symptoms and recovery.
Allyson Chiu
Washington Post
February 28, 2022

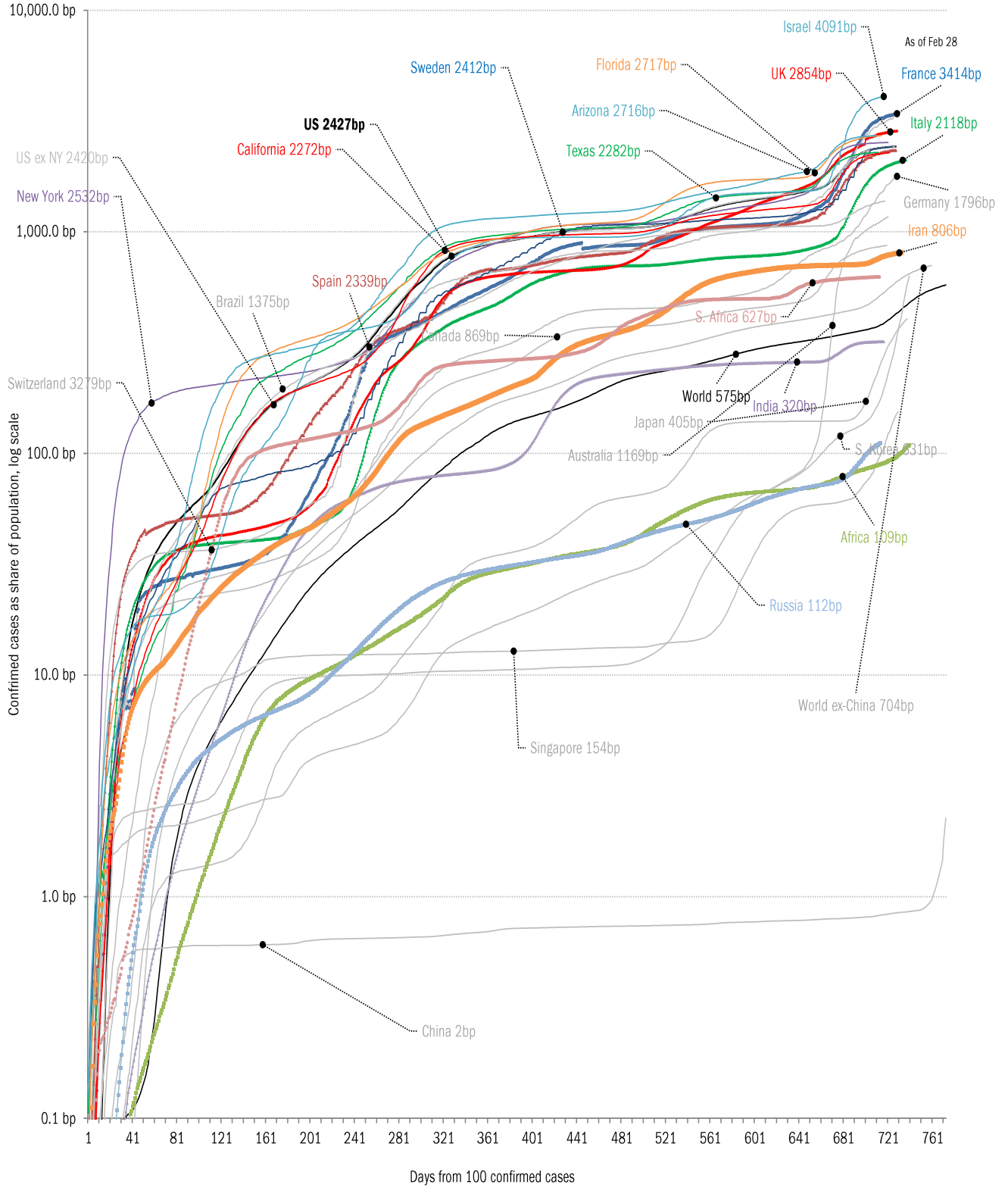
Nuclear Explosion
Ready.gov
February 15, 2022

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

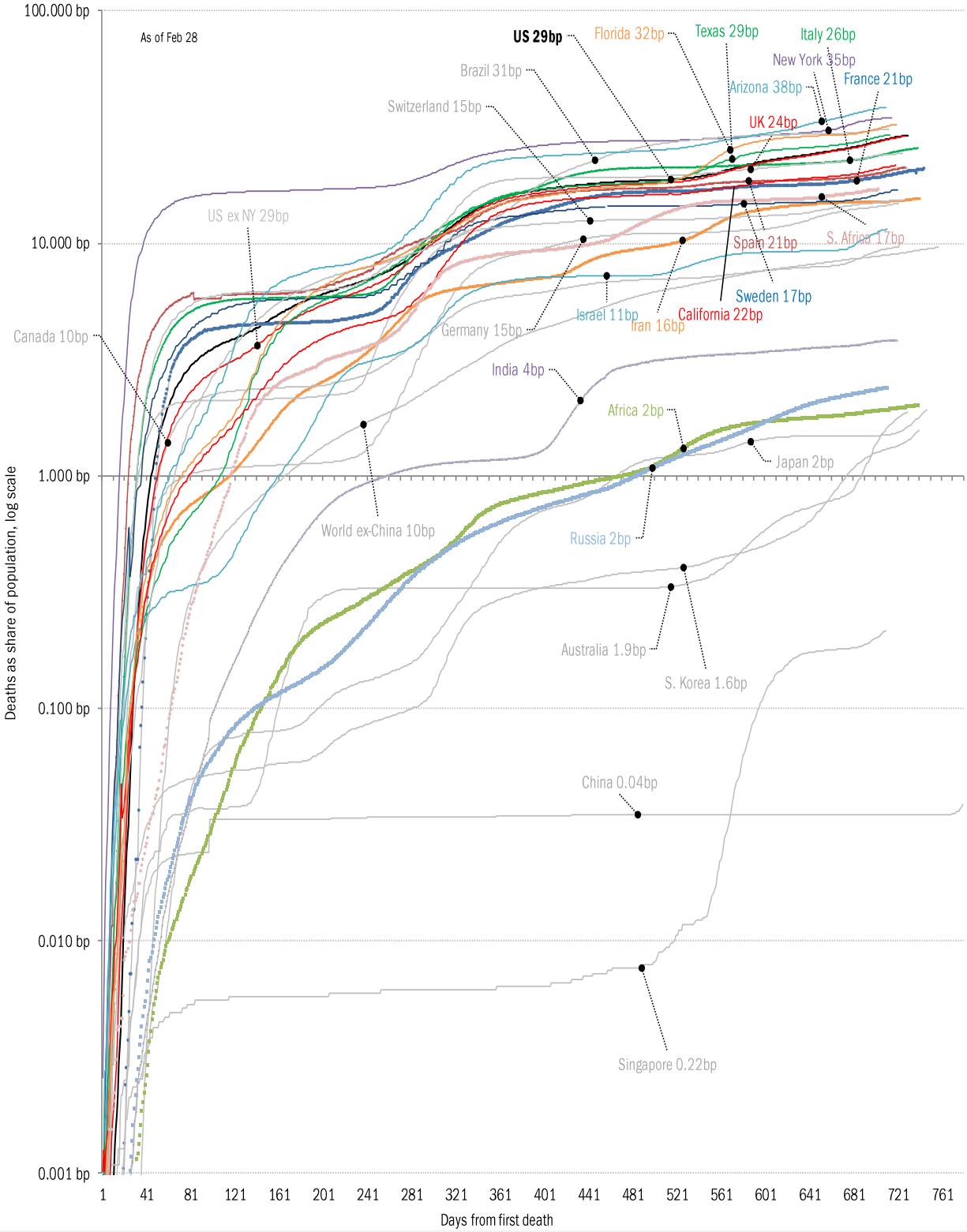
Share of infected population from first day with 100 confirmed cases, log scale



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

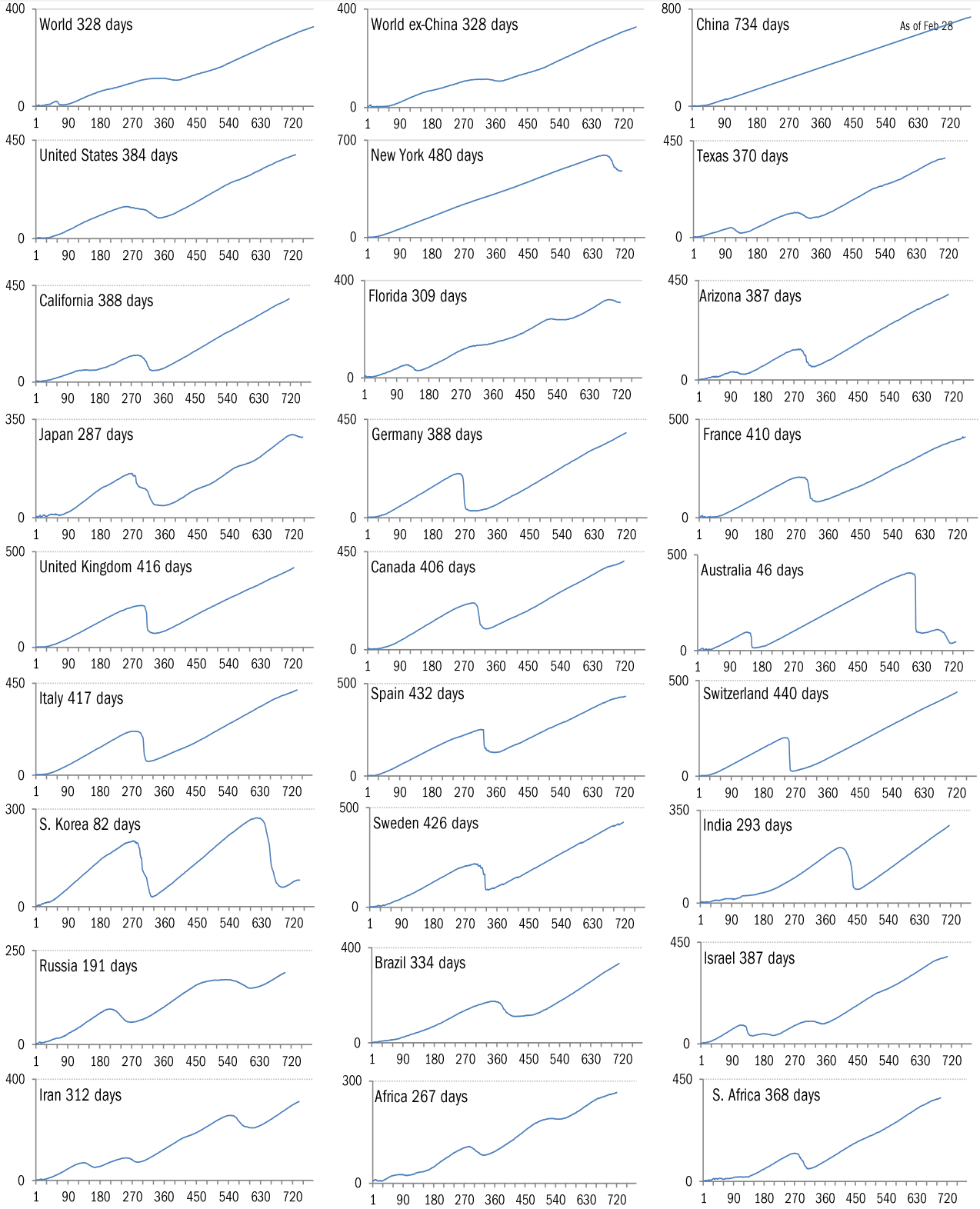


Source: Johns Hopkins, TrendMacro calculations

"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

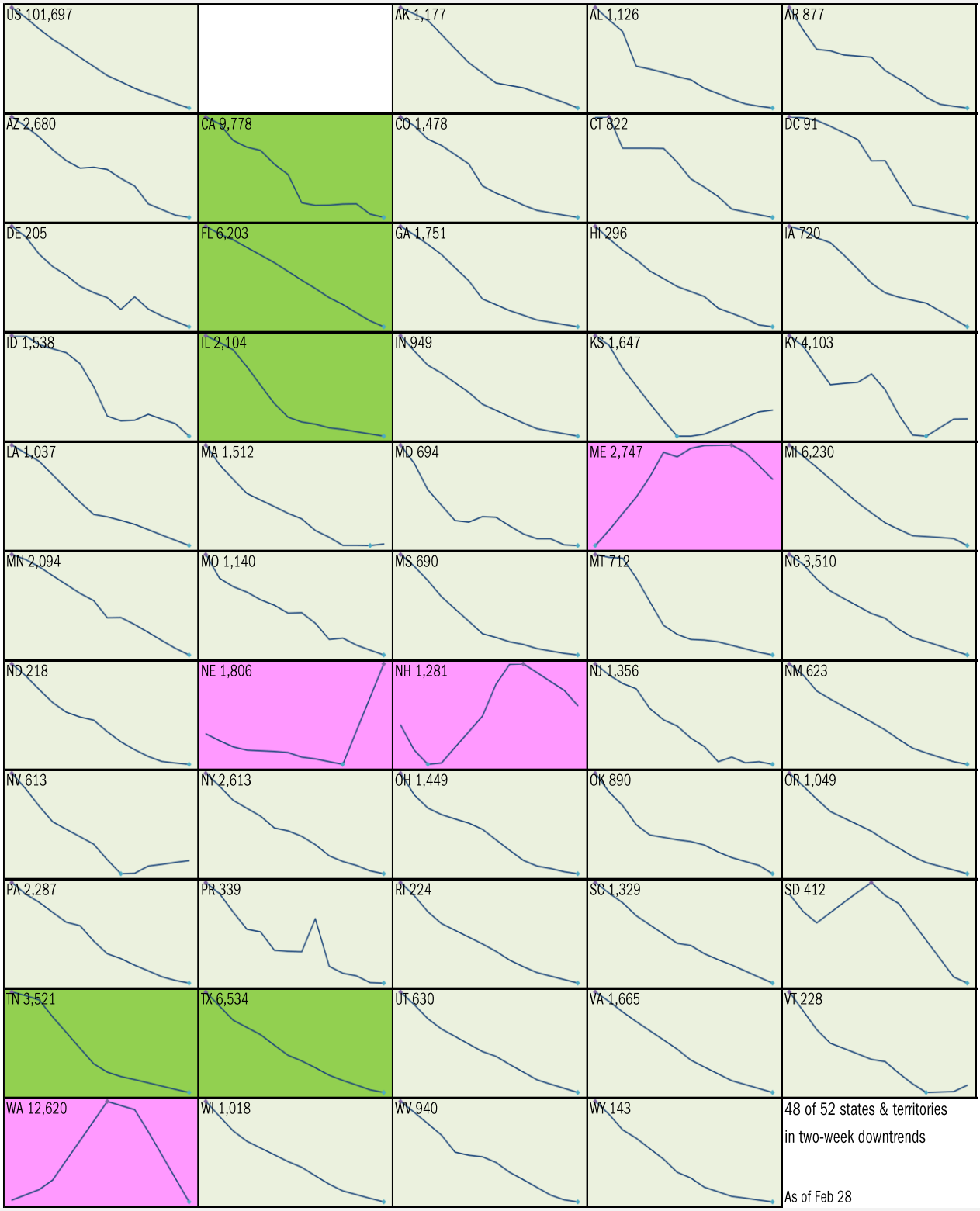


Source: Johns Hopkins, TrendMacro calculations

Requirement to Open Up America Again: 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

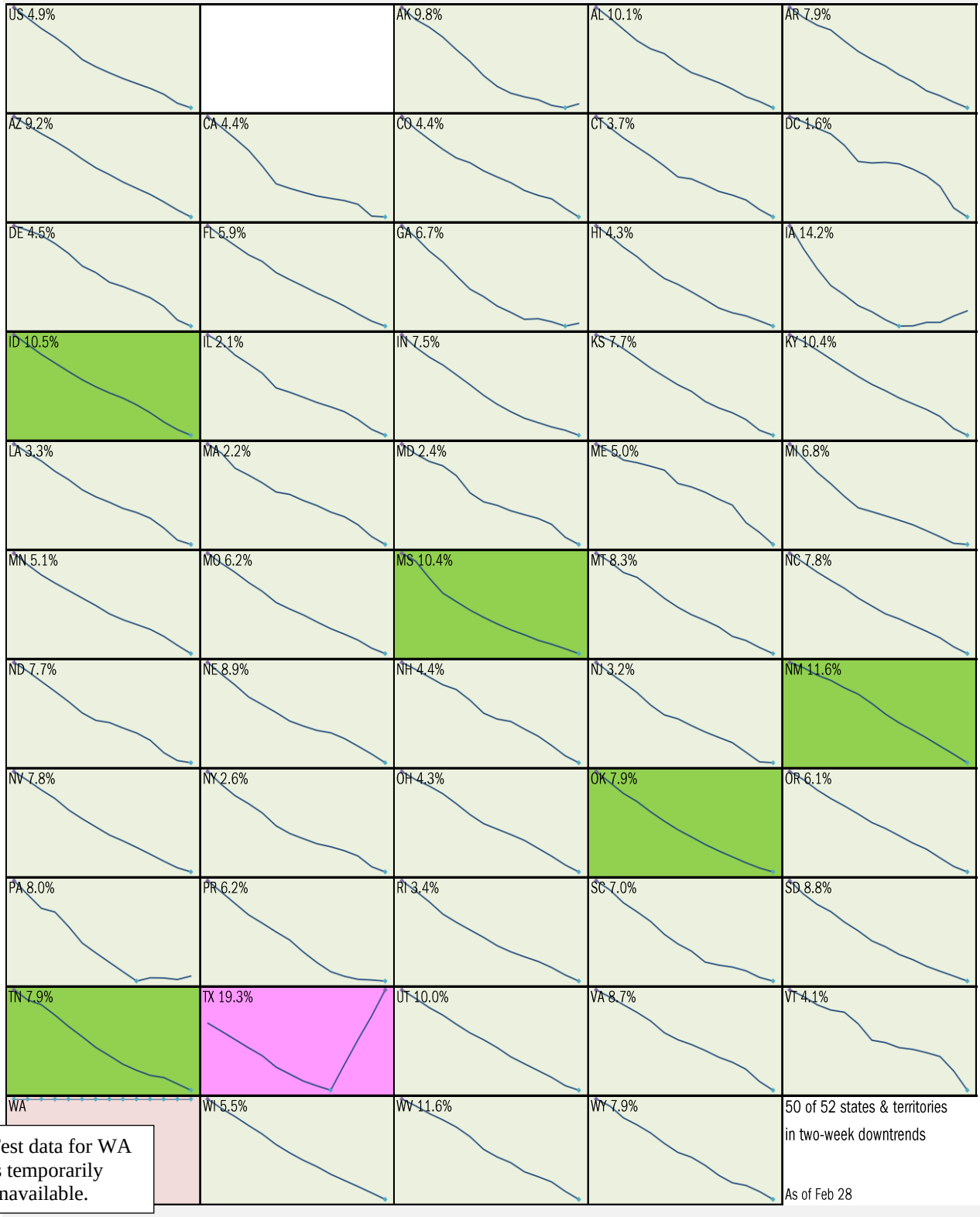


Source: Johns Hopkins, TrendMacro calculations

Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

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

Downward trajectory Five best Upward trajectory Five worst

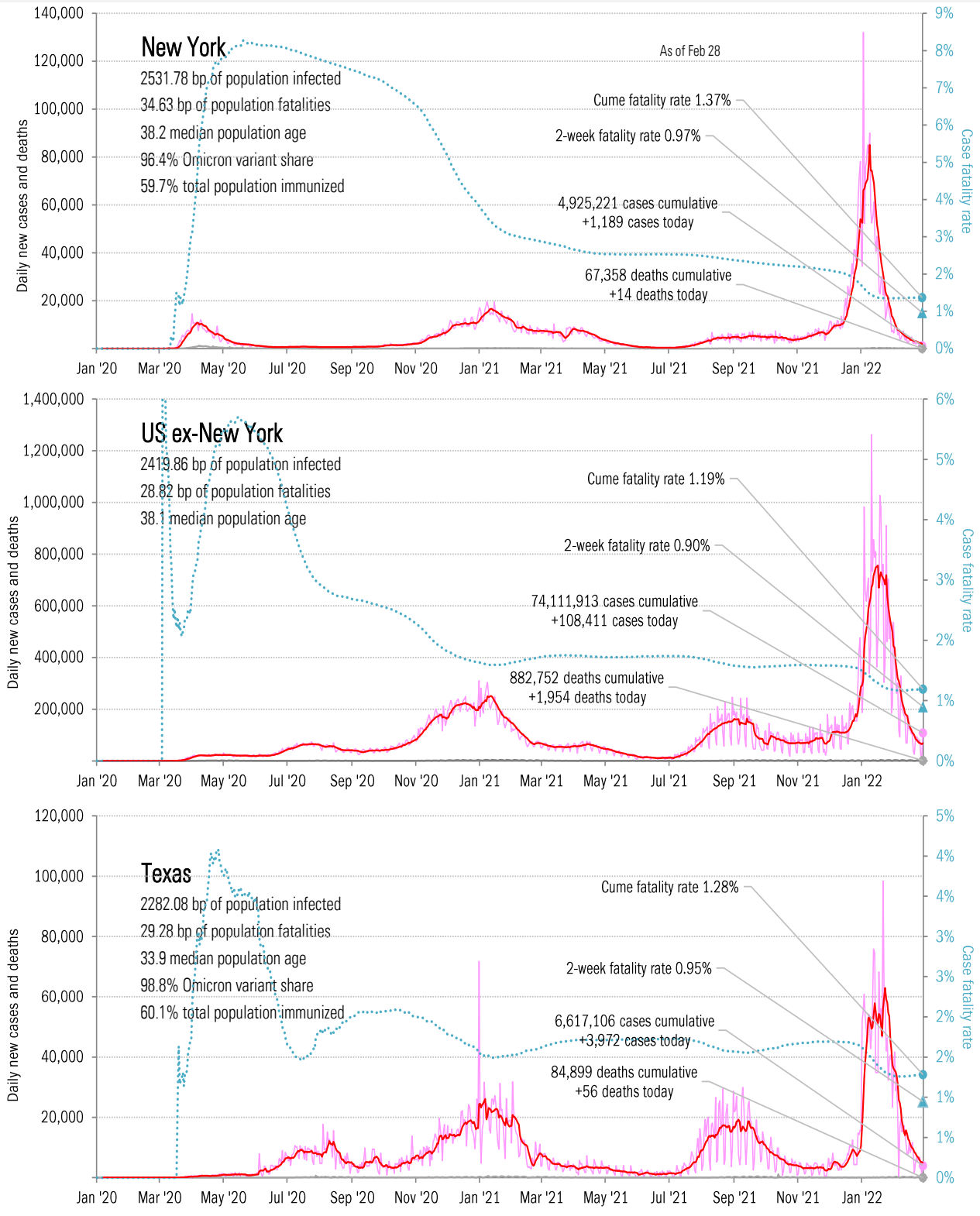


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

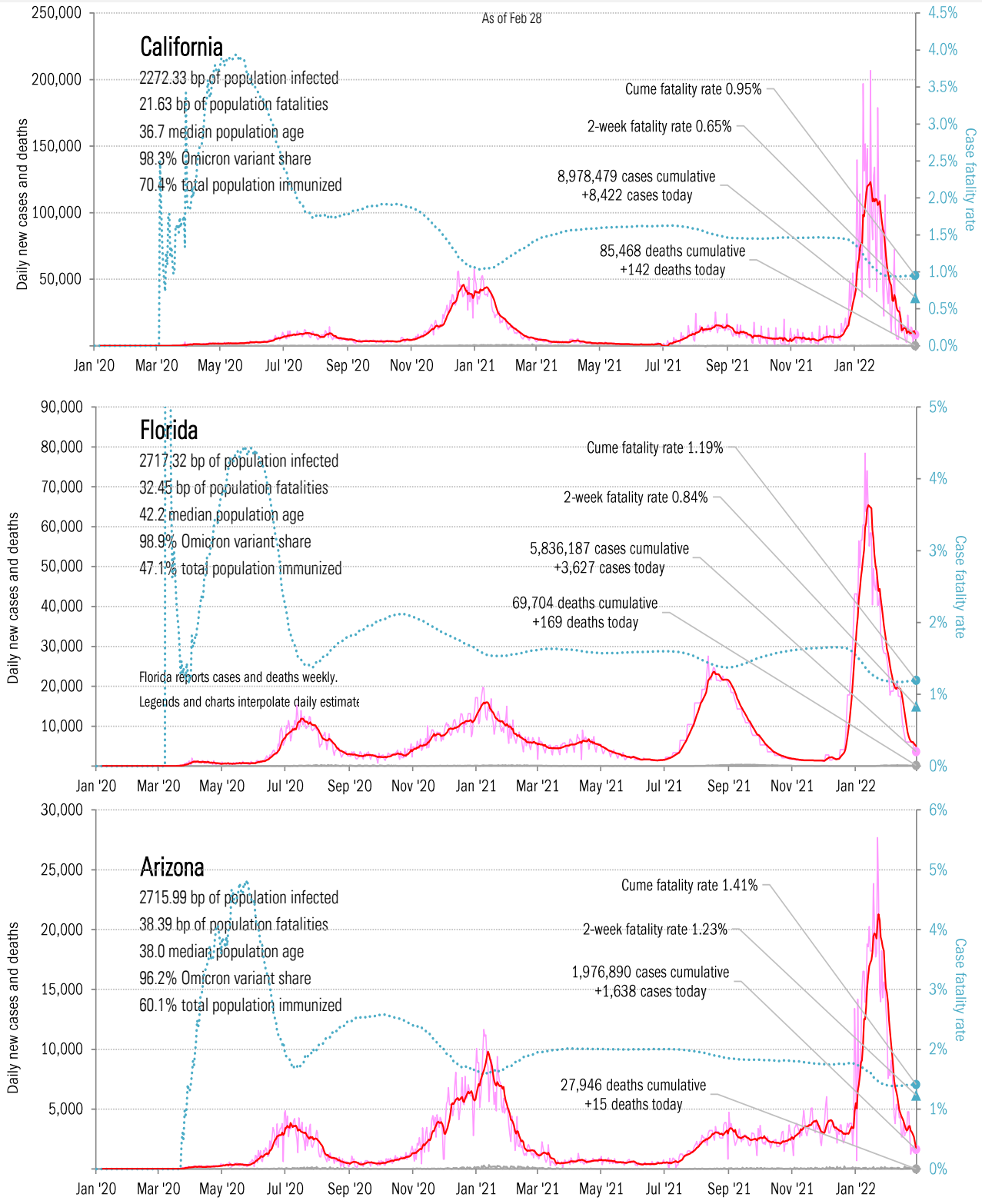
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

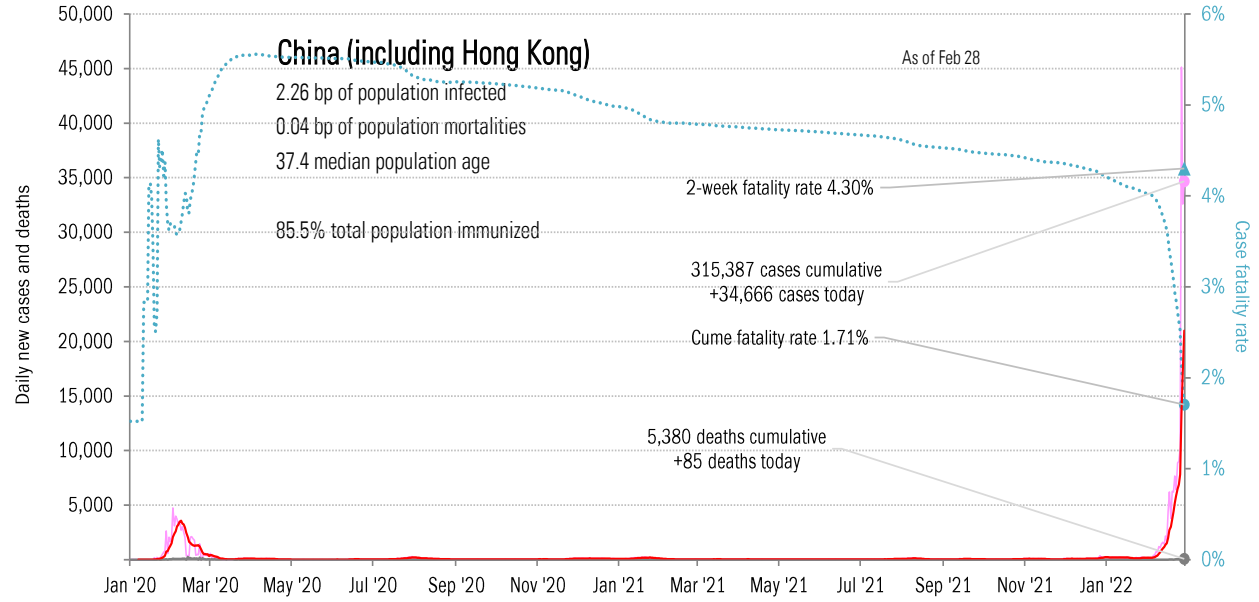
Cases: 7-day average and daily Deaths: Daily

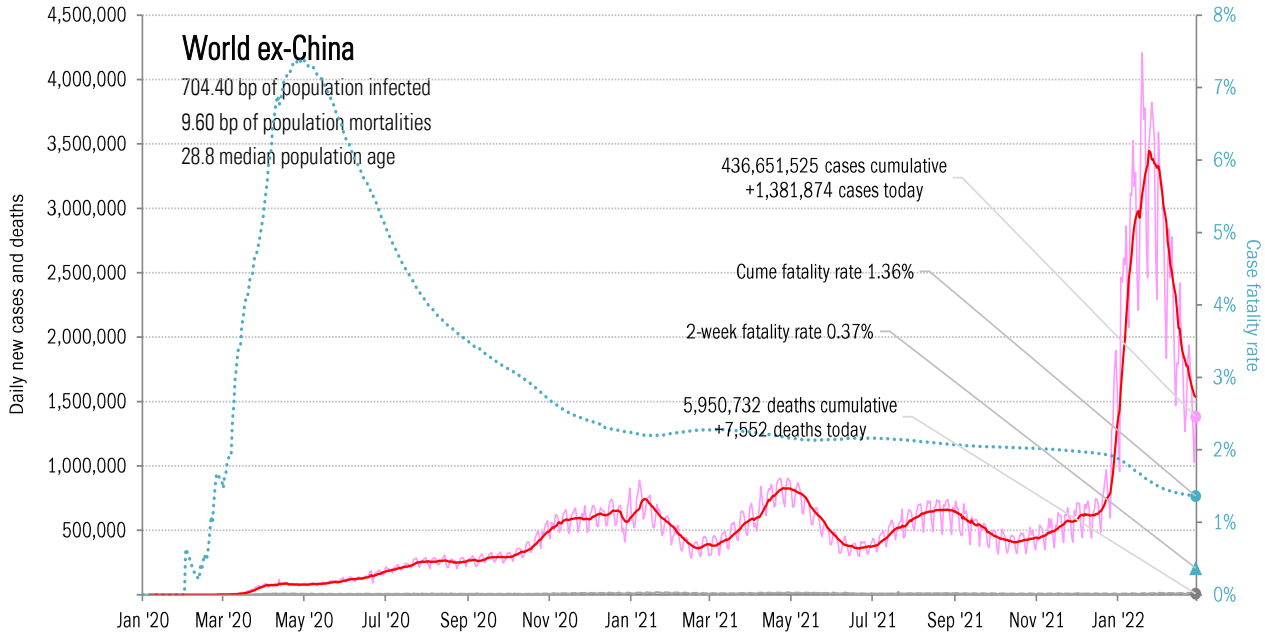


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

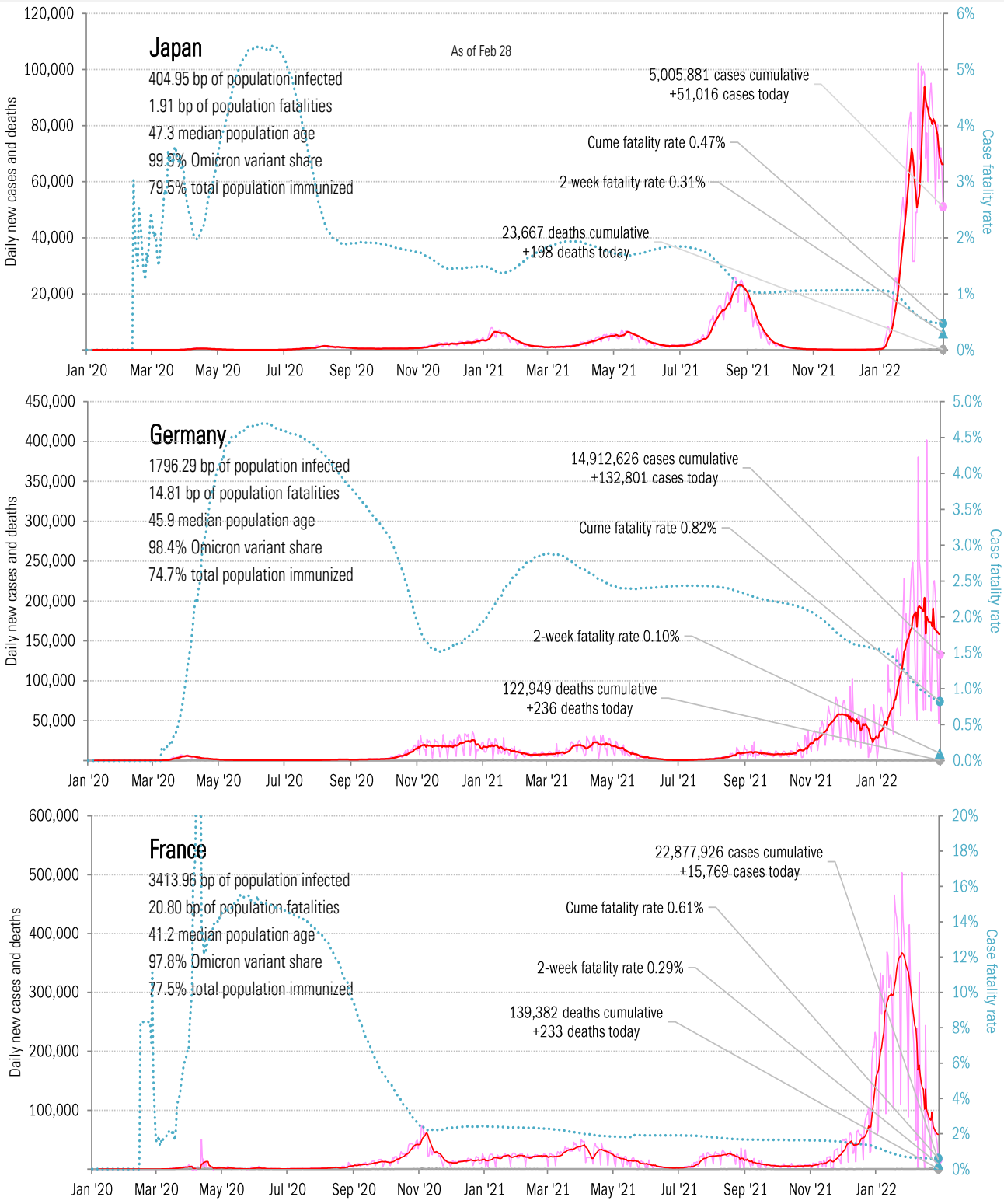




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

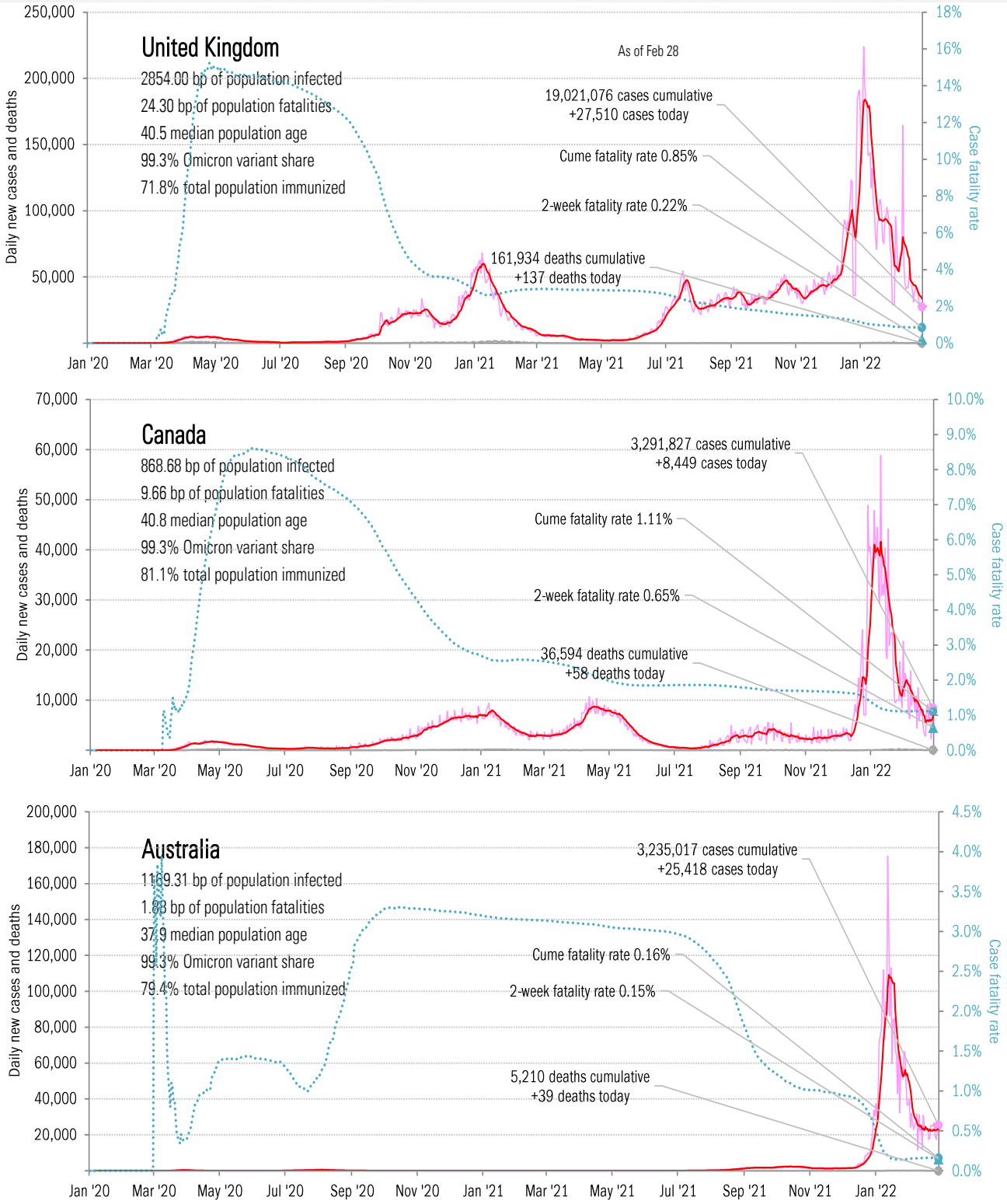
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

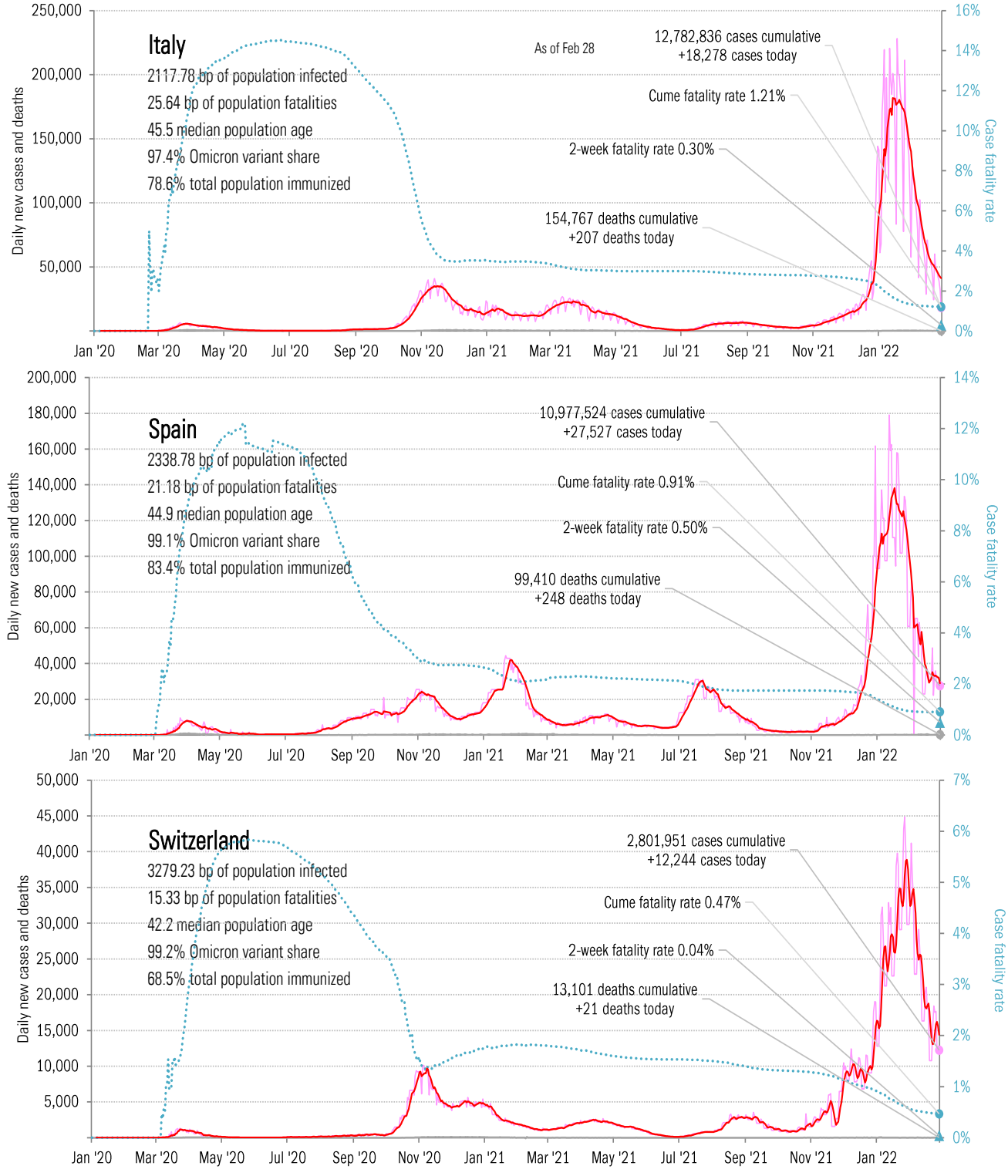
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

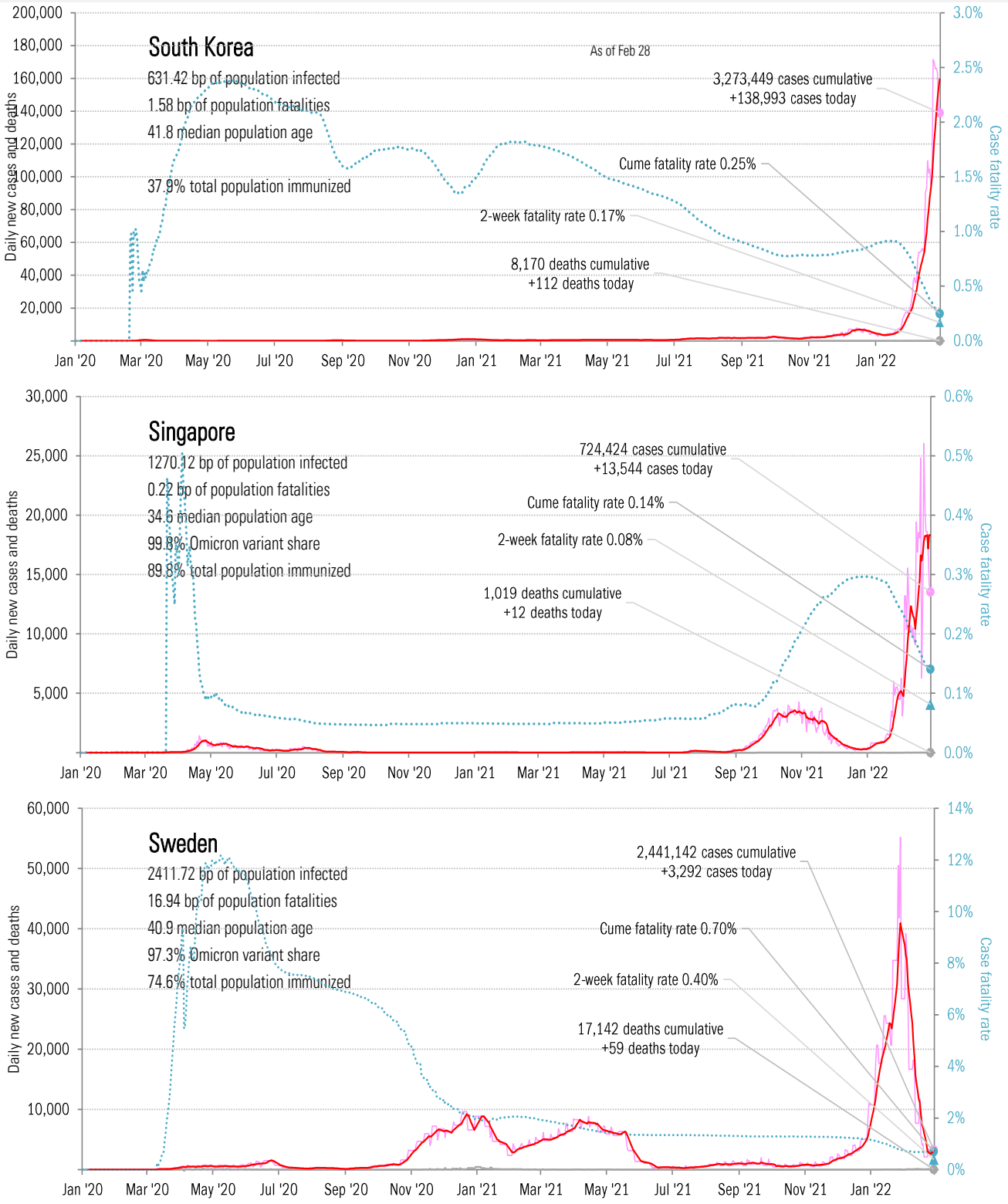
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

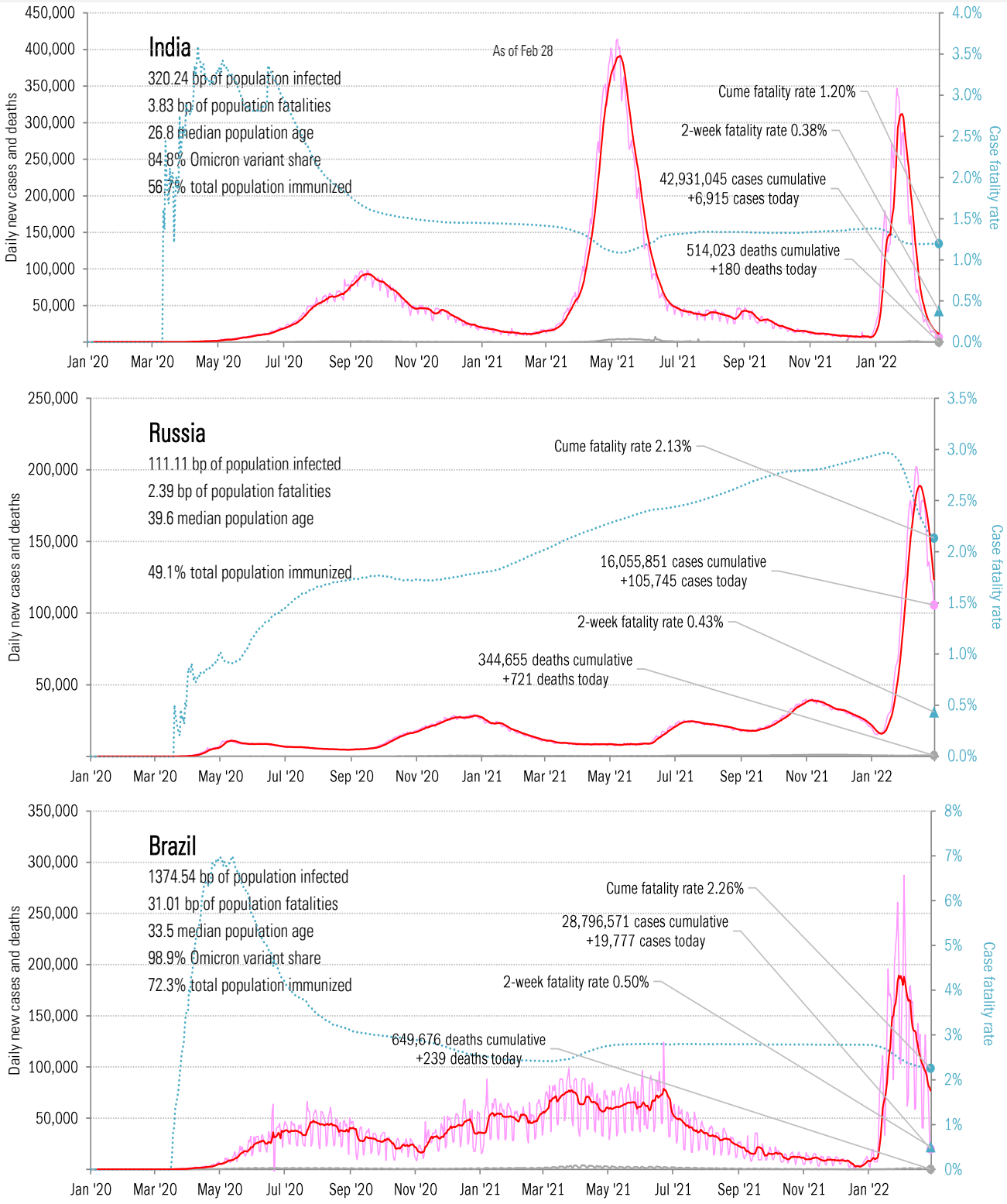
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

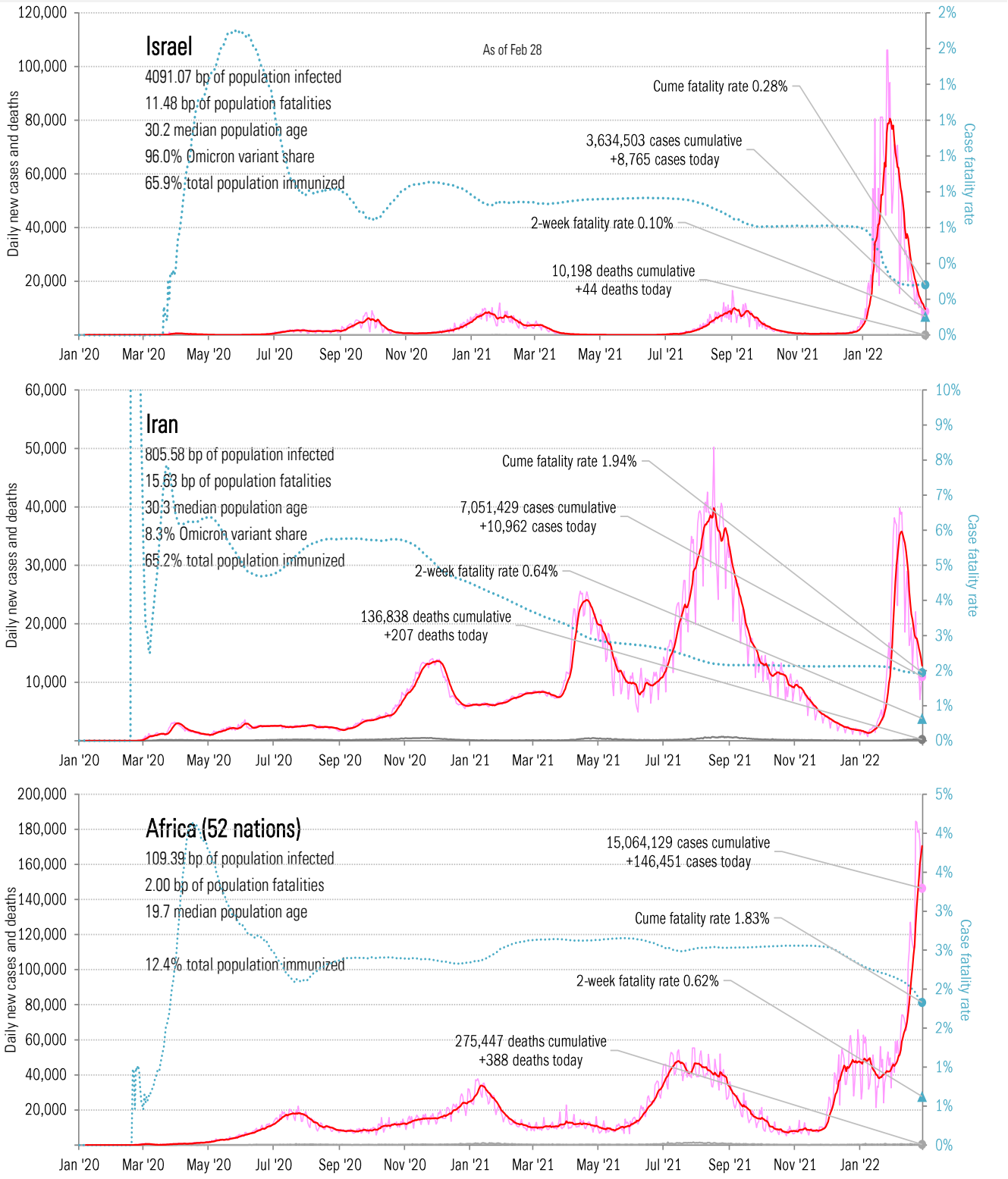
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

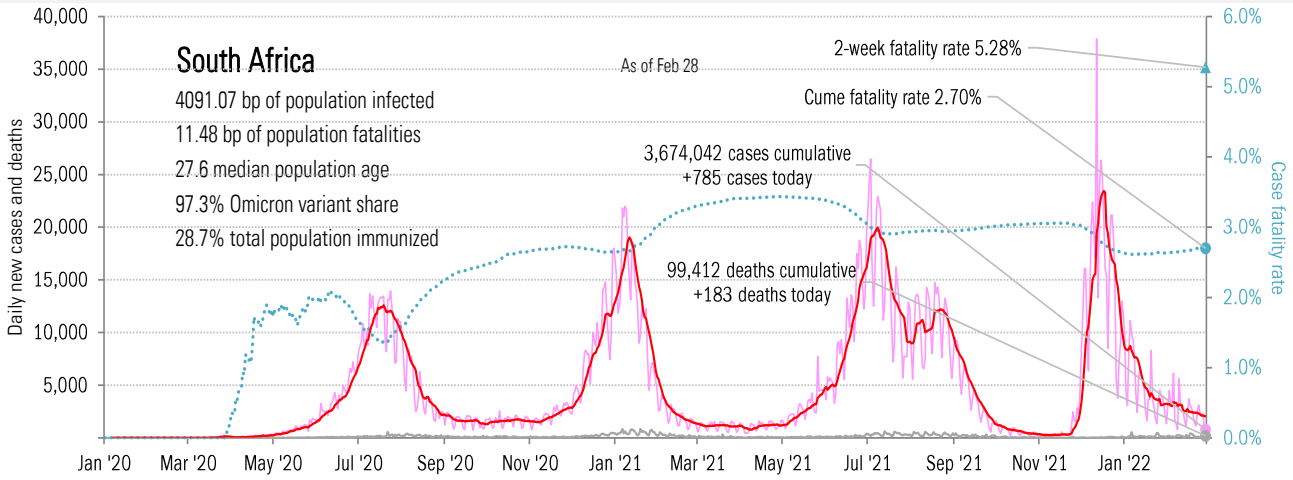
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations