Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

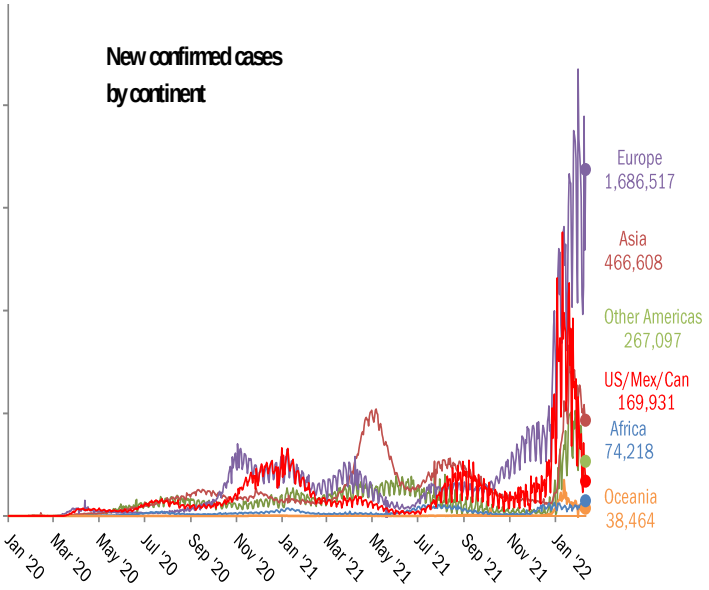
Friday, February 11, 2022

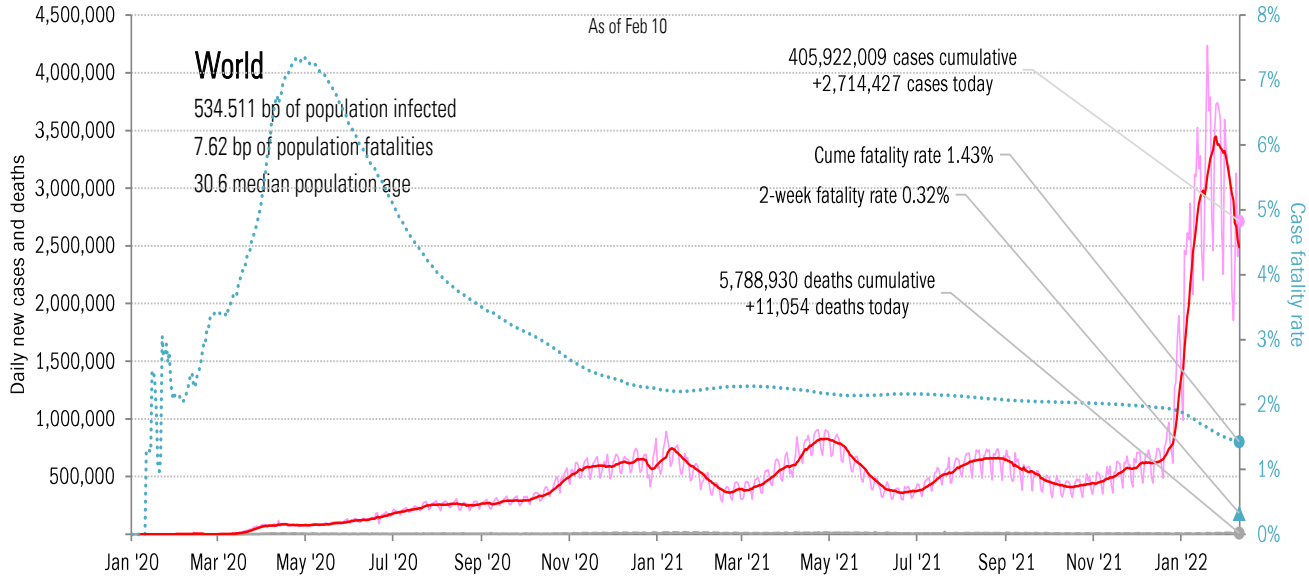
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
France	334,334	United States	2,618
Germany	236,080	Brazil	917
Russia	195,293	Russia	691
United Kingdom	164,528	India	657
Brazil	162,636	France	655
United States	159,008	Spain	393
Japan	99,604	Italy	325
Turkey	98,602	Ukraine	290
Netherlands	86,961	Turkey	264
Italy	76,195	Argentina	263
	1,613,241		7,073
World	2,714,427	World	11,054
Top ten	59%	Top ten	64%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

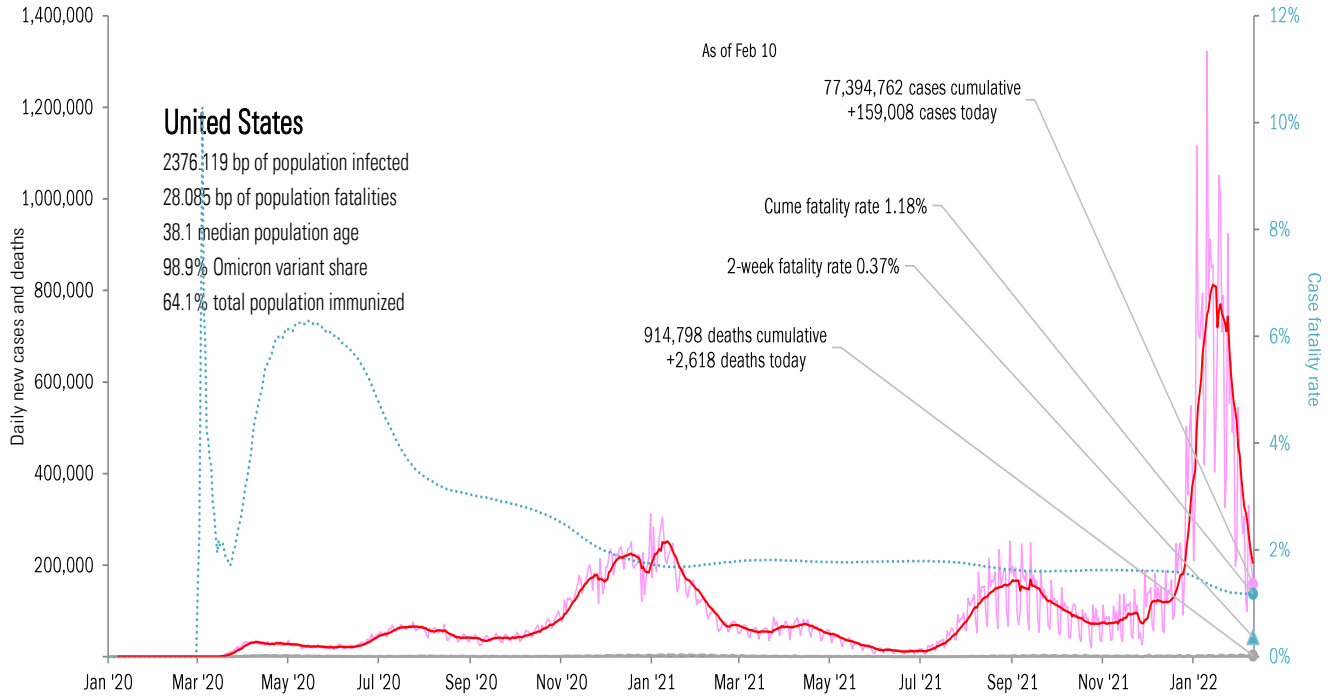
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
FL	21,473	TX	296	WY	6	CA	8,775,650	CA	82,122	TX	469,862	MA	87%	AL	95%
TX	17,248	FL	293	NE	3	TX	6,484,110	TX	81,655	CA	403,540	WV	86%	TX	94%
NC	8,725	CA	238	AS	0	FL	5,689,254	FL	66,686	FL	399,653	MN	86%	VT	93%
NY	7,354	PA	138	GU	0	NY	4,873,548	NY	66,276	NY	236,638	GA	86%	OK	92%
KY	6,935	SC	118	KS	0	IL	2,987,502	PA	42,035	GA	197,302	RI	86%	KY	90%
MO	6,535	IN	117	MP	0	PA	2,713,459	OH	34,592	OH	184,407	AZ	85%	MS	90%
IN	6,438	IL	116	AK	-1	OH	2,625,551	IL	34,228	PA	169,514	PA	85%	NM	89%
TN	6,337	NY	111	VI	-2	NC	2,518,195	GA	33,959	IL	151,307	MO	85%	GA	89%
IL	5,419	GA	109	VT	-2	GA	2,429,839	MI	33,286	MI	135,578	WA	84%	AR	88%
GA	4,889	NC	98	ID	-3	MI	2,316,871	NJ	32,260	KY	135,204	NH	82%	NV	87%
	91,353		1,634		1		41,413,979		507,099		2,483,005				
All states	159,008		2,618		-2,835	All states	77,394,762		914,798		4,497,572	All states	70%		67%
Top ten	57%		62%		0%	Top ten	53%		56%		55%	Median	80%		81%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-14,754	MI	-375	LA	-81	UT	+120 bp
MI	-10,718	IA	-172	AR	-58	MA	+20 bp
WA	-8,244	CA	-105	AZ	-50	AK	+10 bp
AZ	-5,402	WA	-95	UT	-47	AL	+10 bp
AK	-2,240	CO	-77	VA	-43	AR	+10 bp



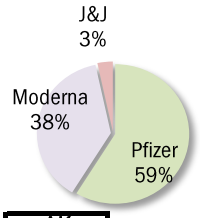
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	559,162,131				+0.713 million
Boosters	92,063,797				+0.322 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	259,212,043	78%	219,511,071	66%	+0.186 million
Age 12 to 17	17,118,667	68%	14,504,311	57%	+0.020 million
Age 18 to 64	174,860,623	86%	148,018,721	73%	+0.097 million
Age 65 and over	58,059,287	100%	50,197,174	92%	+0.011 million

Immunity	Full	Partial
US	64.1%	75.8%
UK	71.4%	76.9%
France	77.0%	80.0%
Spain	82.1%	87.7%
Germany	74.1%	75.4%
Italy	77.4%	83.6%
Australia	78.9%	84.9%
Israel	65.8%	72.1%
Canada	80.2%	85.3%
Japan	79.3%	80.5%
Africa	11.2%	16.5%
India	53.2%	68.5%
Brazil	71.0%	81.0%
China	85.1%	87.7%

Global data differs due to sources, timing



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

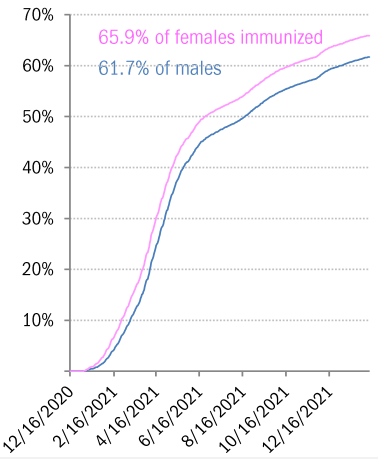
"Immunity" = two doses

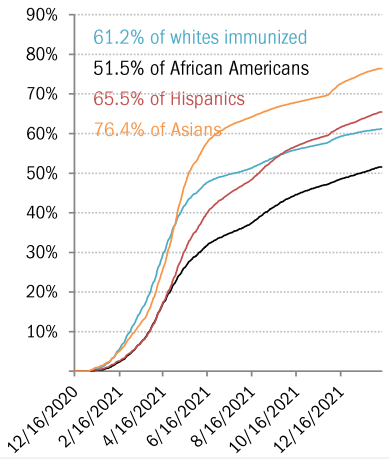
Best
Middle
Worst

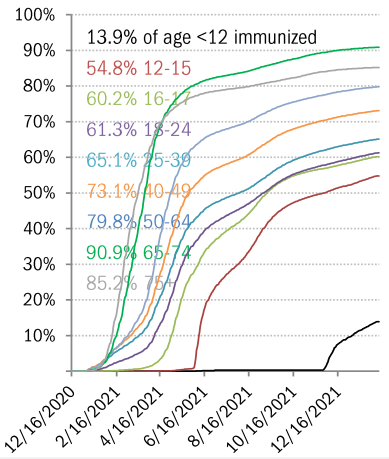
As of Feb 10

					WI					ME
					70.7%					88.9%
					64.0%					77.9%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
79.2%	59.9%	64.1%	64.2%	73.9%	75.8%	65.5%		88.1%	92.5%	95.0%
70.4%	52.6%	55.5%	54.2%	67.5%	66.8%	58.6%		74.8%	79.7%	69.2%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
76.5%	73.4%	57.6%	74.4%	66.9%	60.2%	62.5%	82.6%	88.2%	95.0%	
68.2%	59.0%	50.2%	59.3%	60.7%	53.6%	57.1%	66.3%	73.5%	77.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
81.1%	70.6%	77.8%	69.0%	64.9%	64.9%	63.8%	83.9%	84.2%	93.2%	95.0%
69.6%	62.5%	68.7%	62.0%	54.7%	56.0%	56.4%	71.3%	73.2%	77.2%	79.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	70.8%	85.1%	72.9%	65.3%	60.9%	81.6%	66.0%	94.0%	81.0%	
	59.4%	68.8%	59.5%	53.0%	53.0%	58.8%	55.2%	70.6%	66.8%	
			OK	LA	MS	AL	GA			
			69.5%	59.8%	58.4%	61.5%	64.0%			
			55.5%	52.2%	50.5%	49.8%	53.3%			
HI			TX					FL		PR
85.6%			70.2%					77.6%		94.1%
76.5%			59.3%					65.5%		80.2%

The demographics of US vaccination



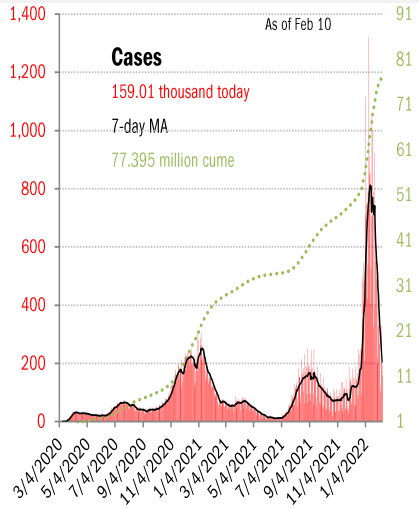


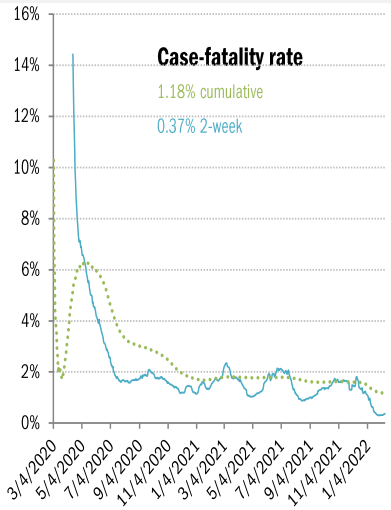


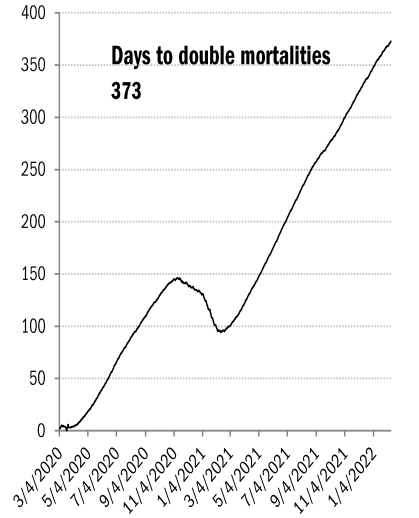
Source: CDC, CDC, Our World in Data, TrendMacro calculations

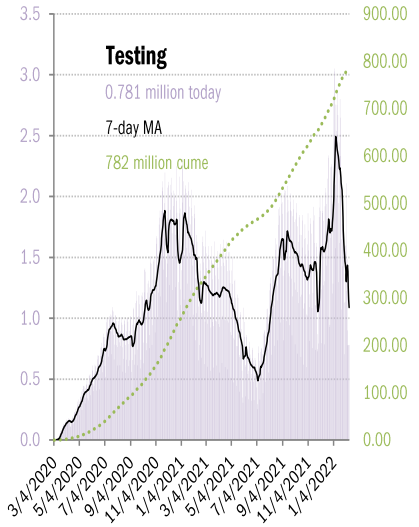
US deep-dive

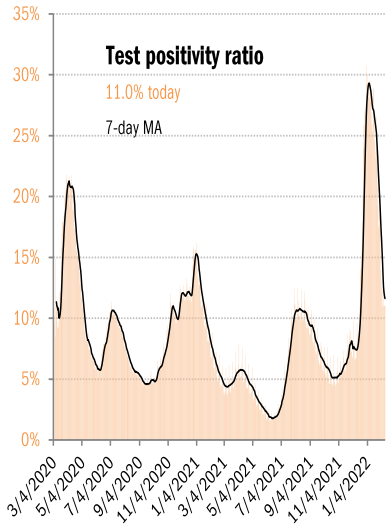
National and state-by-state data do not line up because of different sources

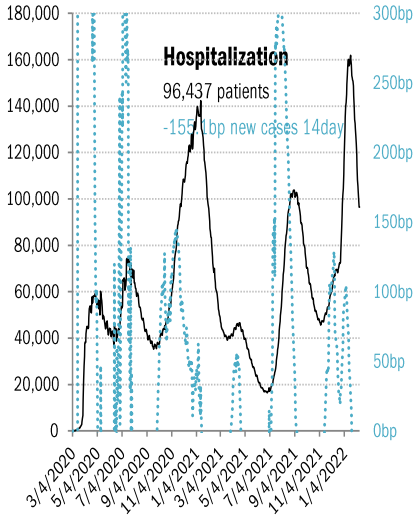


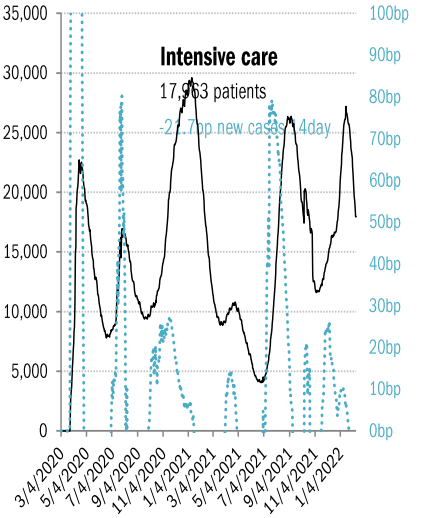


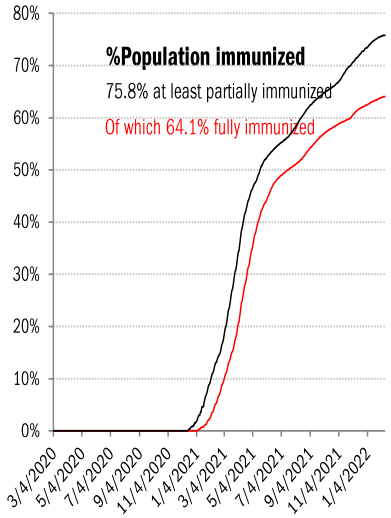










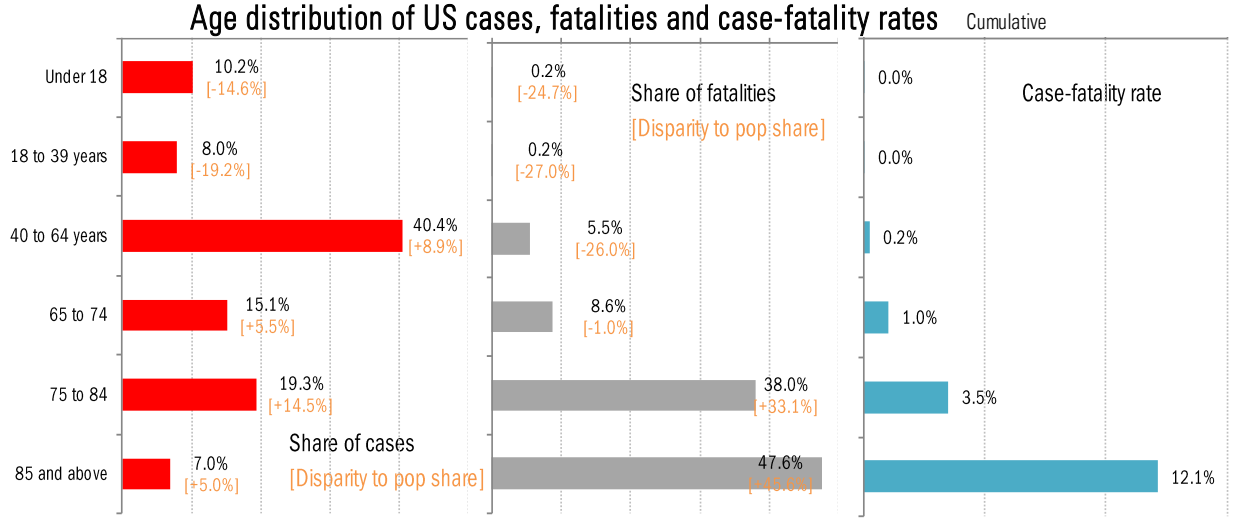


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

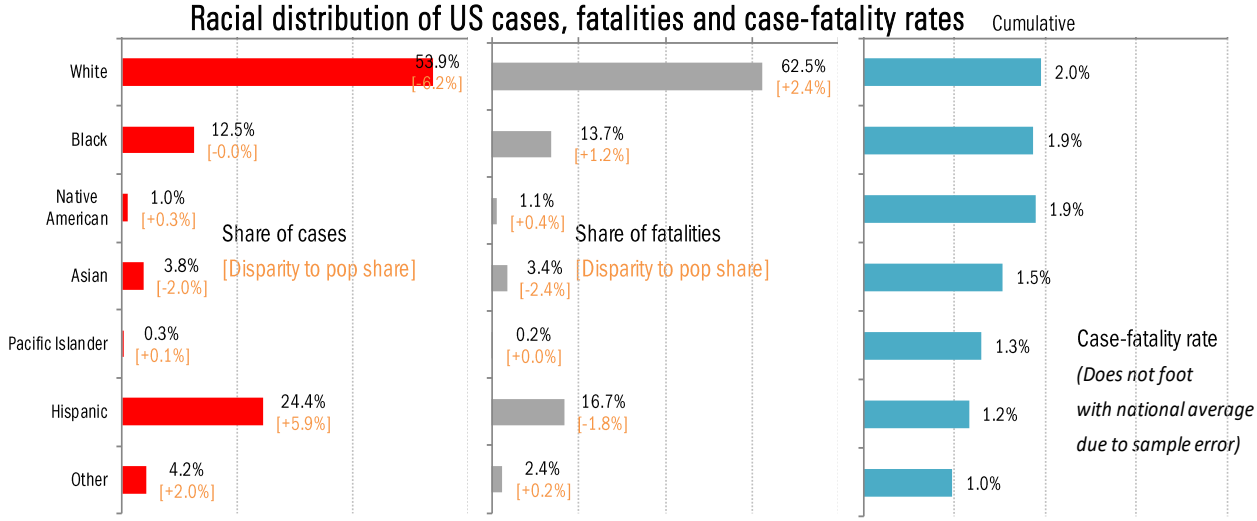
US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

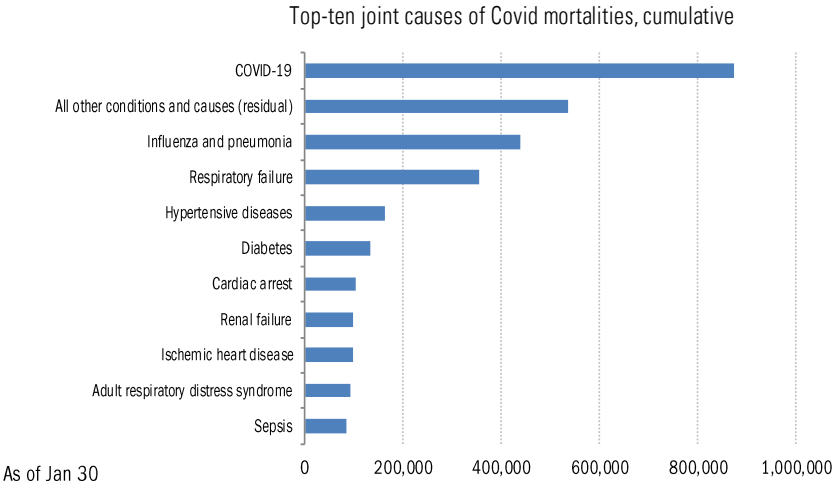
Age distribution of US cases, fatalities and case-fatality rates



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



Comorbidities



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

Luc Montagnier, Nobel-Winning Co-Discoverer of H.I.V., Dies at 89
Randi Hutter Epstein
New York Times
February 10, 2022

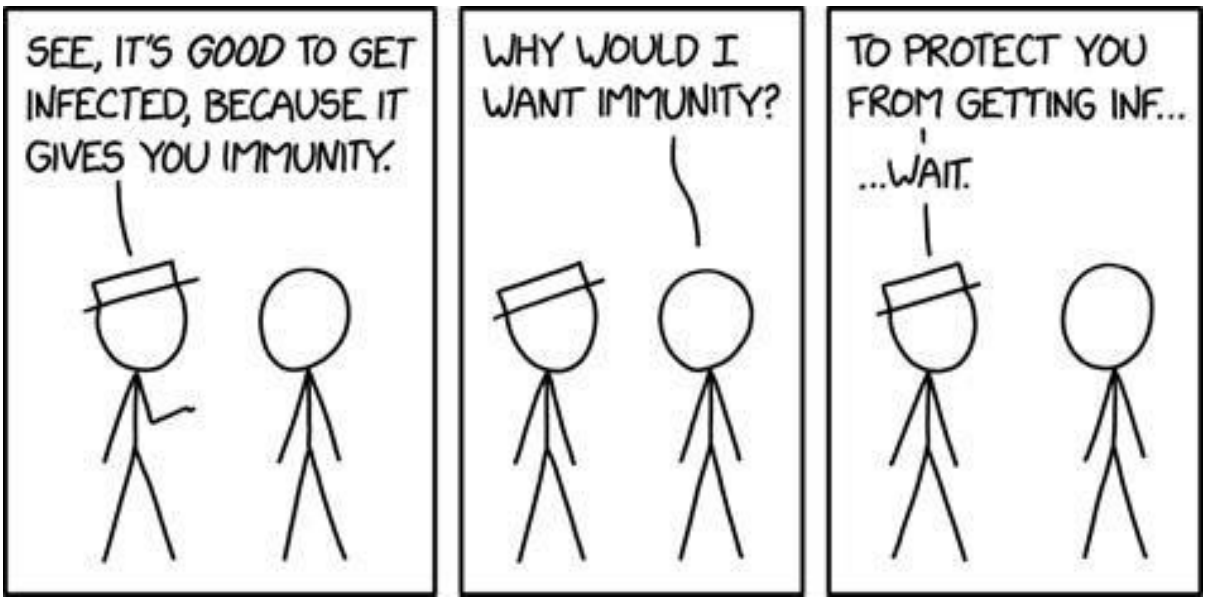
Nearly 3,000 N.Y.C. Workers Have a Day to Get Vaccinated or Be Fired
Emma G. Fitzsimmons
New York Times
February 10, 2022

Trucker Protests in Canada: What You Need to Know
Azi Paybarah
New York Times
February 10, 2022

Elites Are Smearing Truckers Because We're Doing Their Job Representing the People
Gord Magill
Newsweek
February 1, 2022

Were masks a waste of time?
Geoff Shullenberger
UnHerd
February 7, 2022

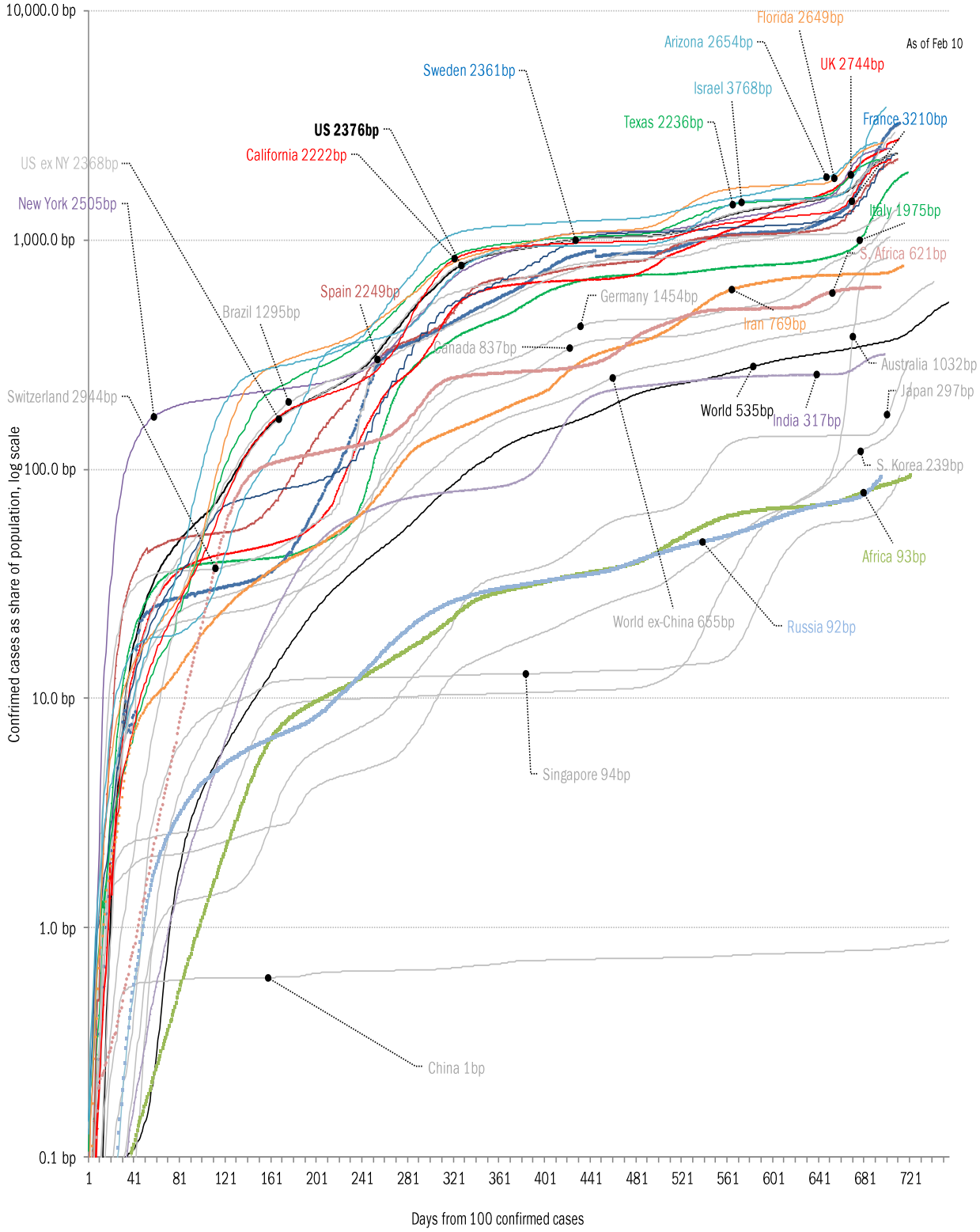
Meme of the day



Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP

The coronavirus case accelerometer… tracking the world's infection curves

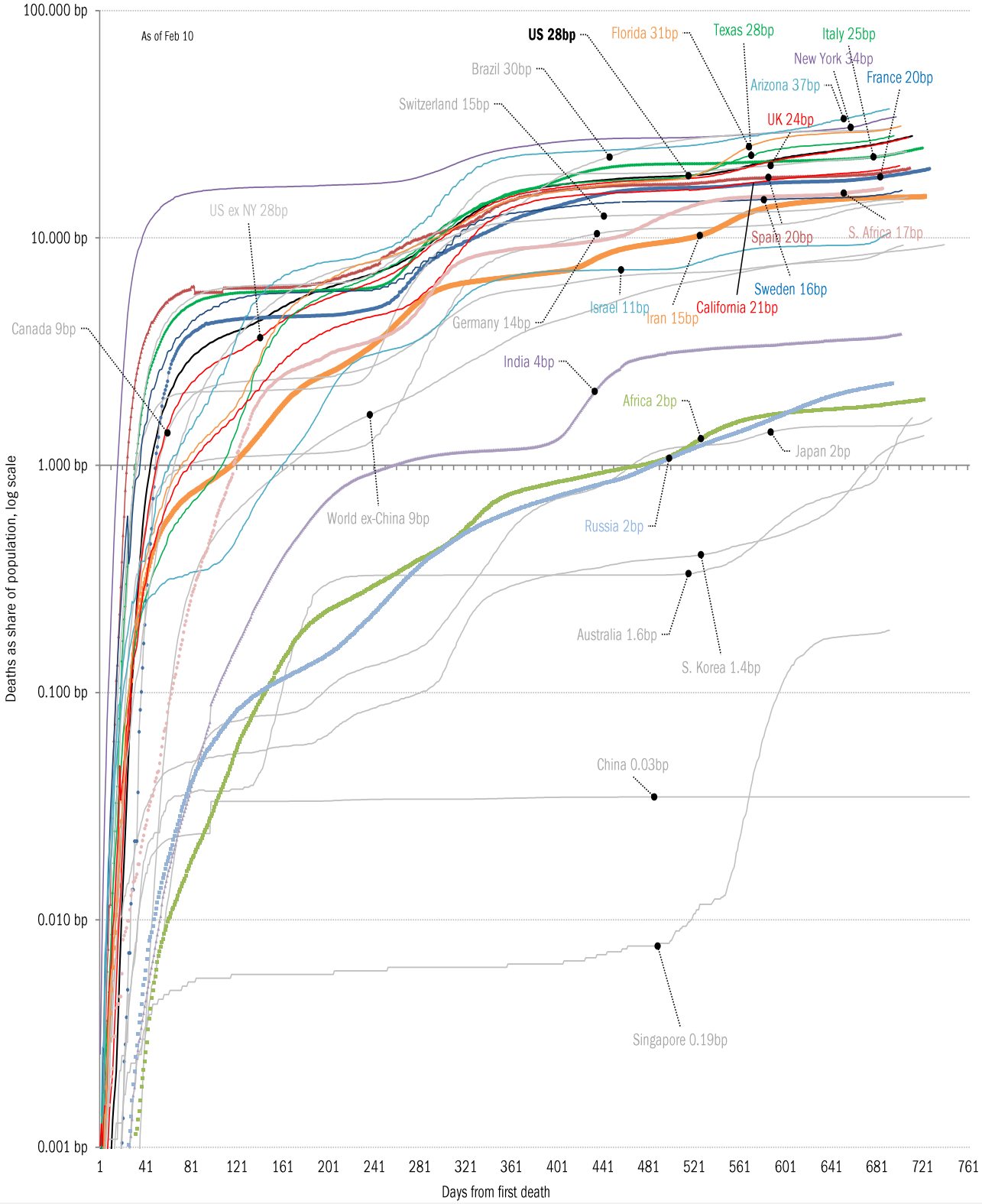
Share of infected population from first day with 100 confirmed cases, log scale



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

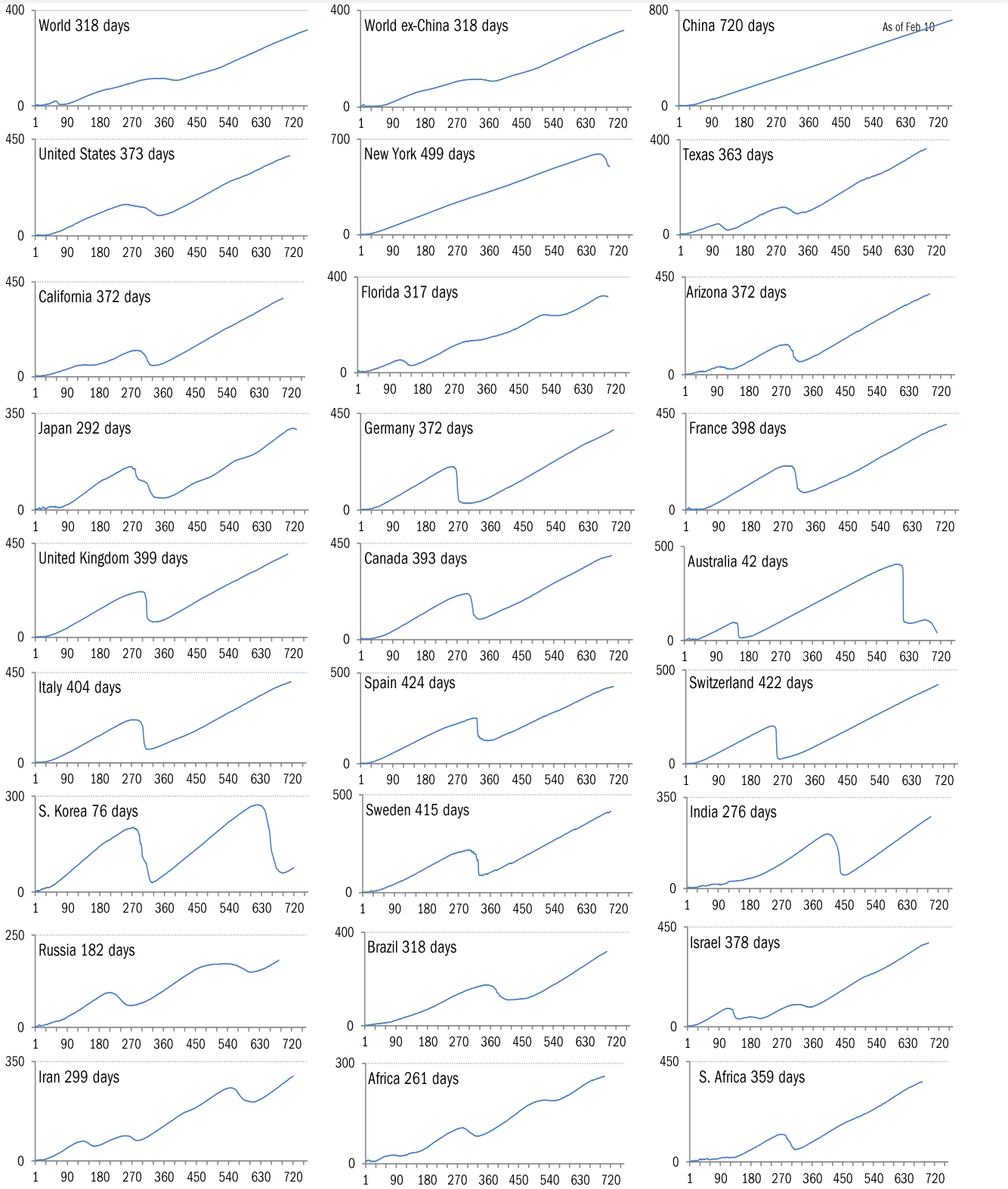


Source: Johns Hopkins, TrendMacro calculations

"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

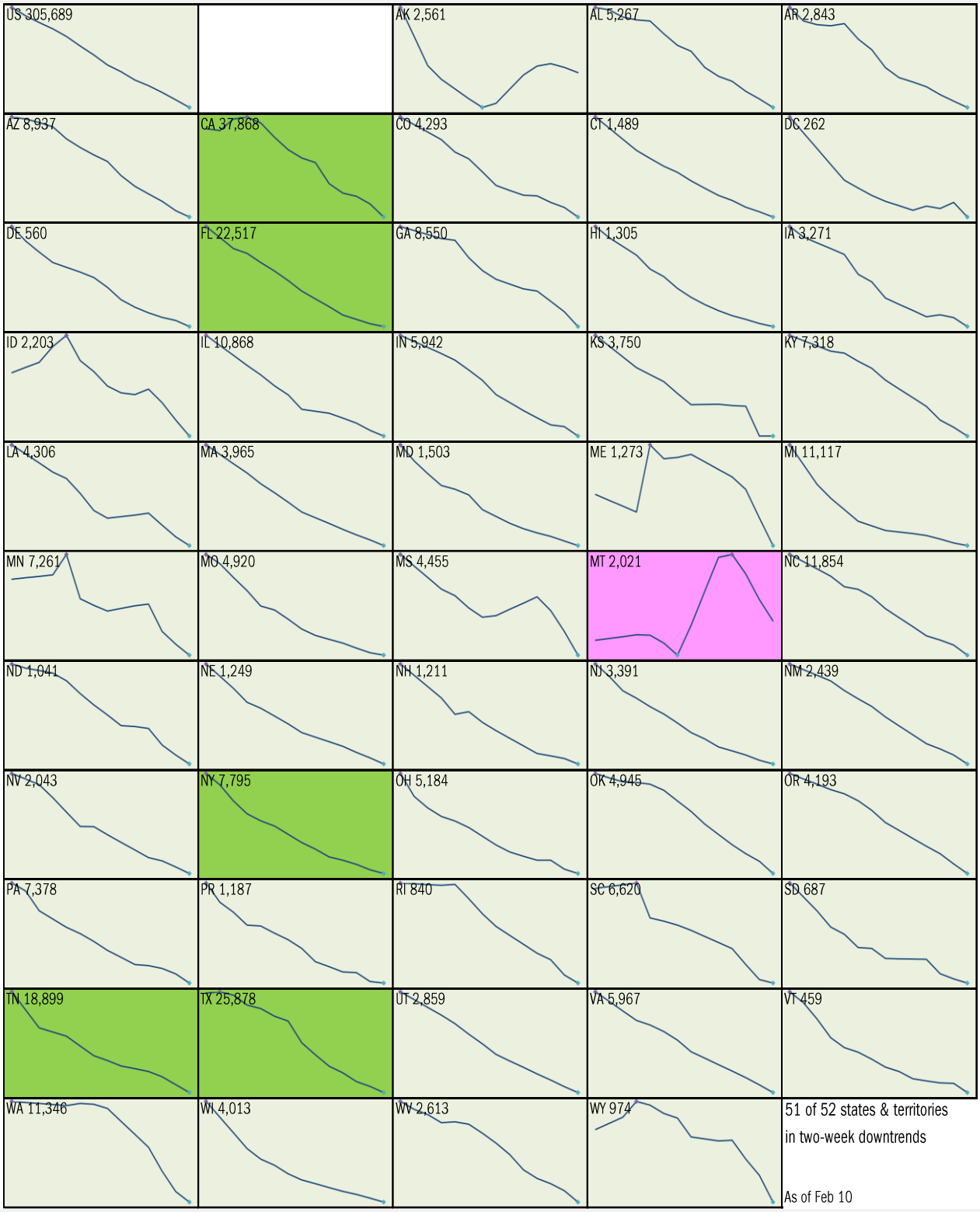


Source: Johns Hopkins, TrendMacro calculations

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

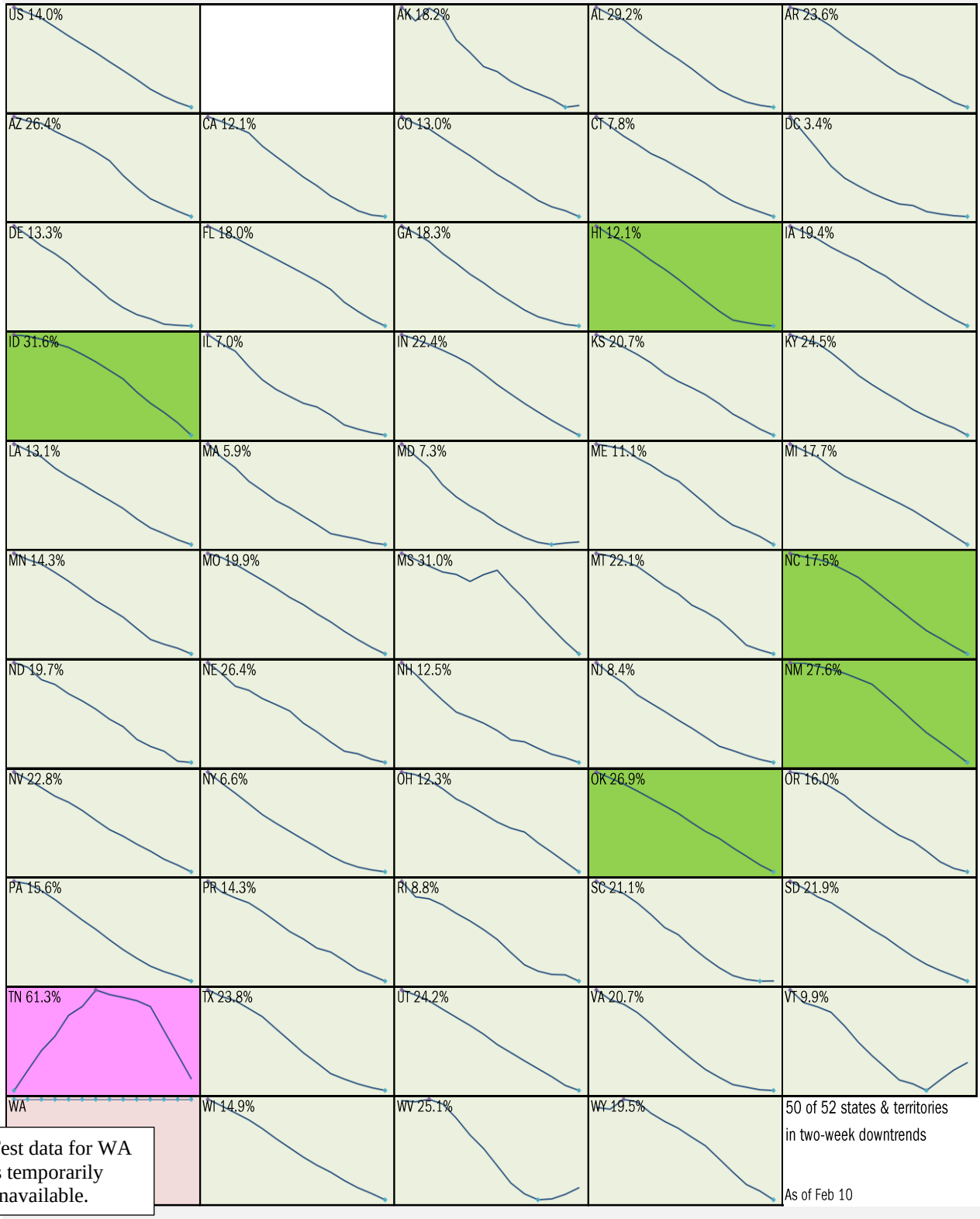


Source: Johns Hopkins, TrendMacro calculations

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

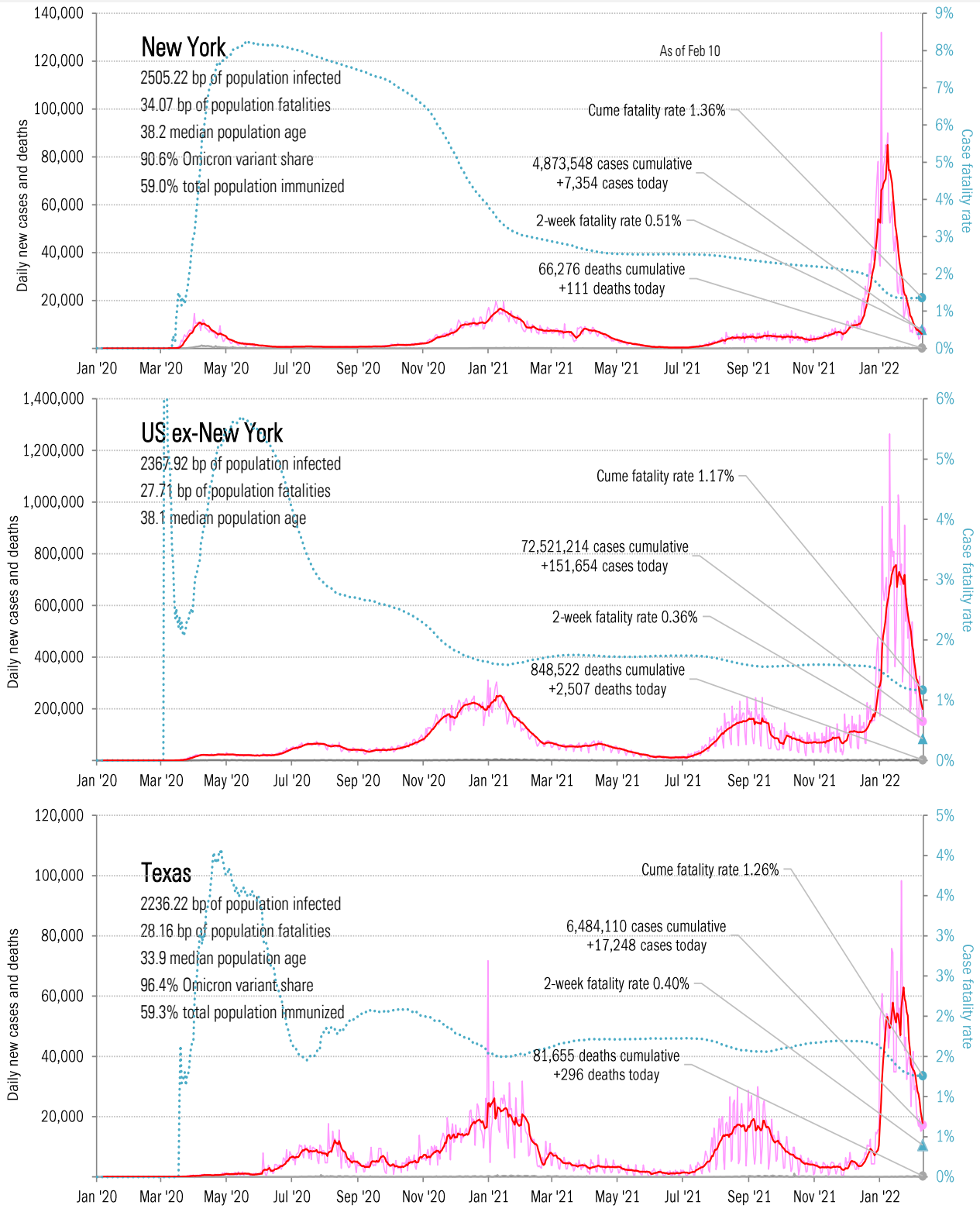


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

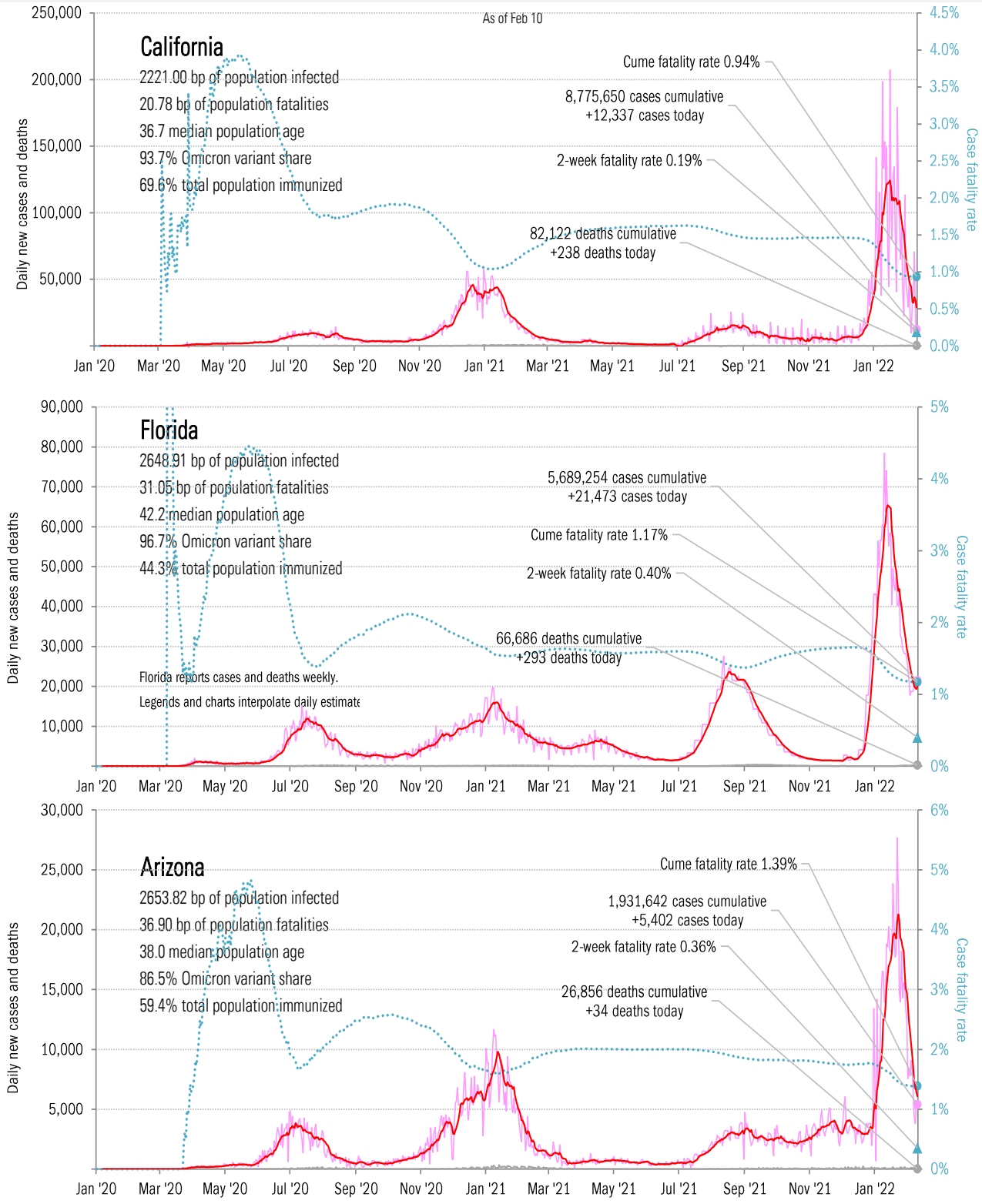
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states (other than Texas)

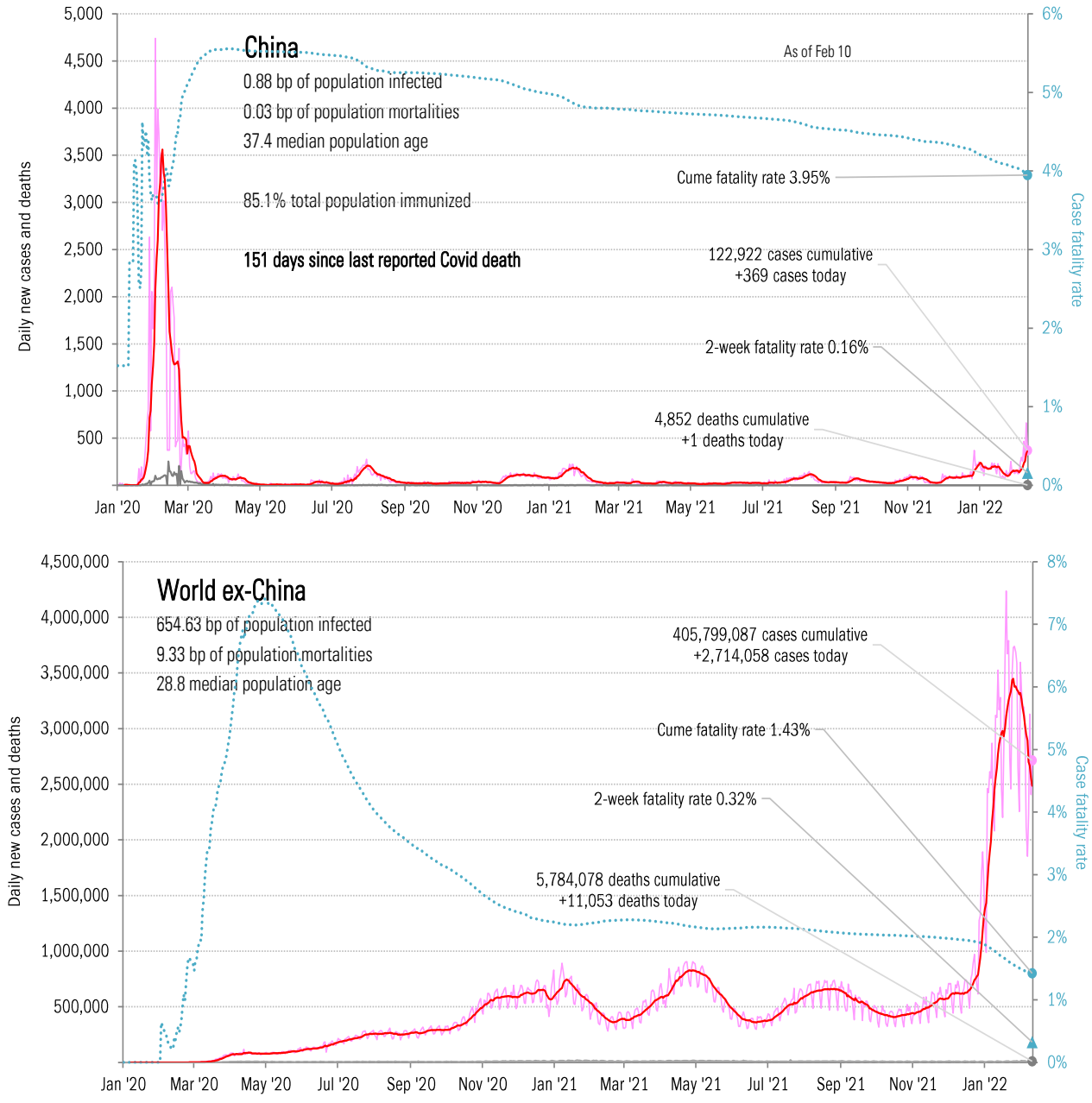
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

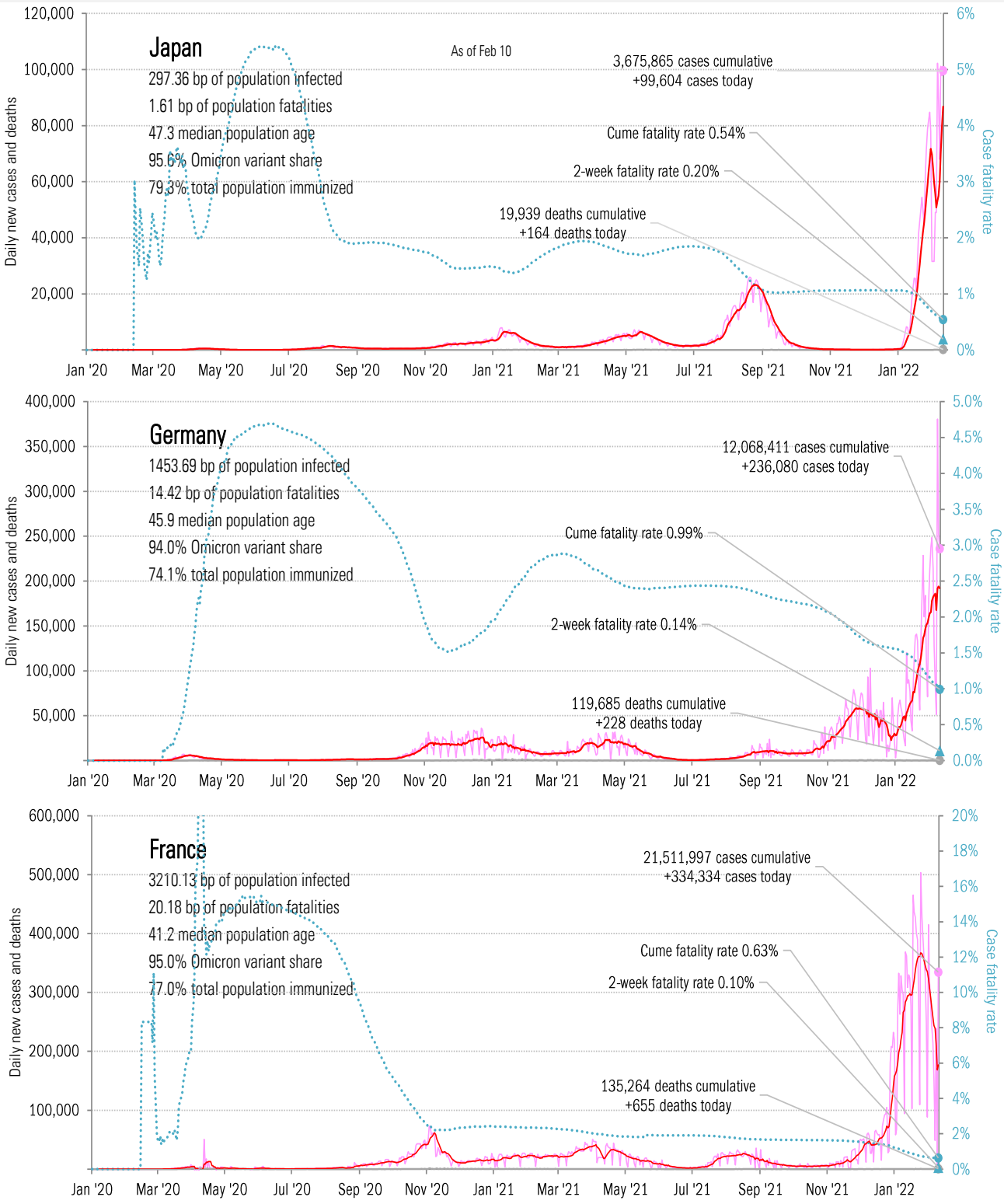
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

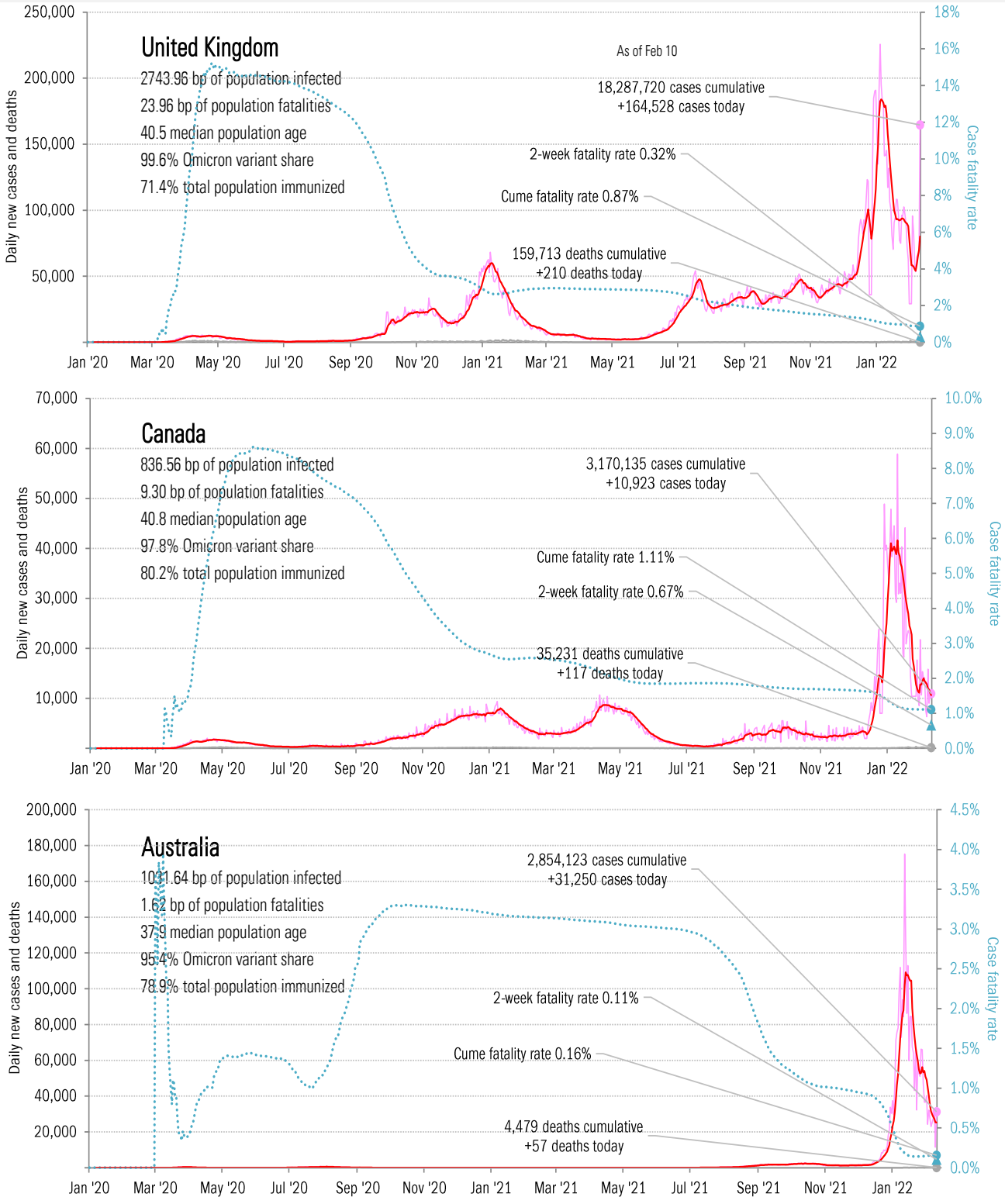
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

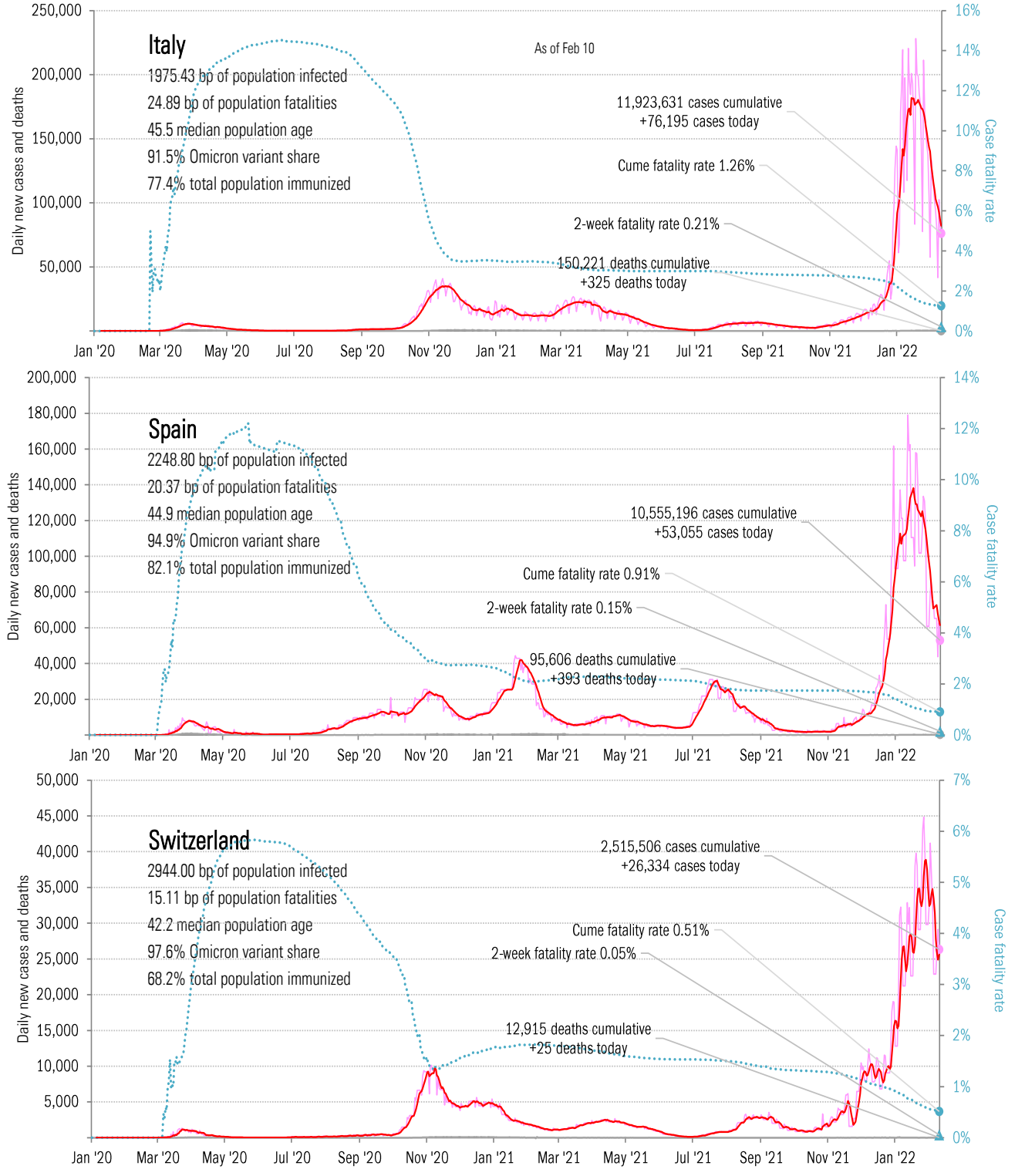
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

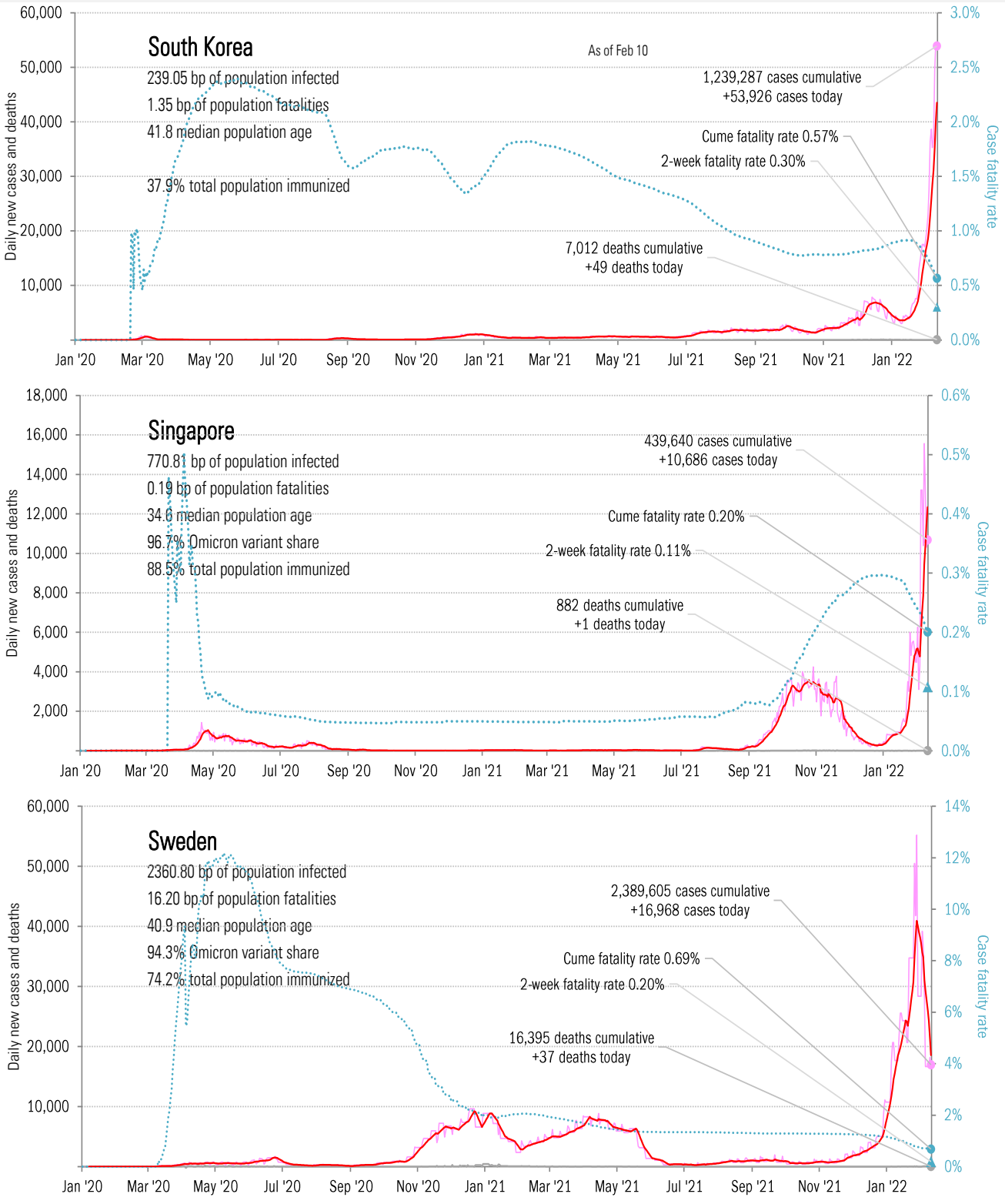
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

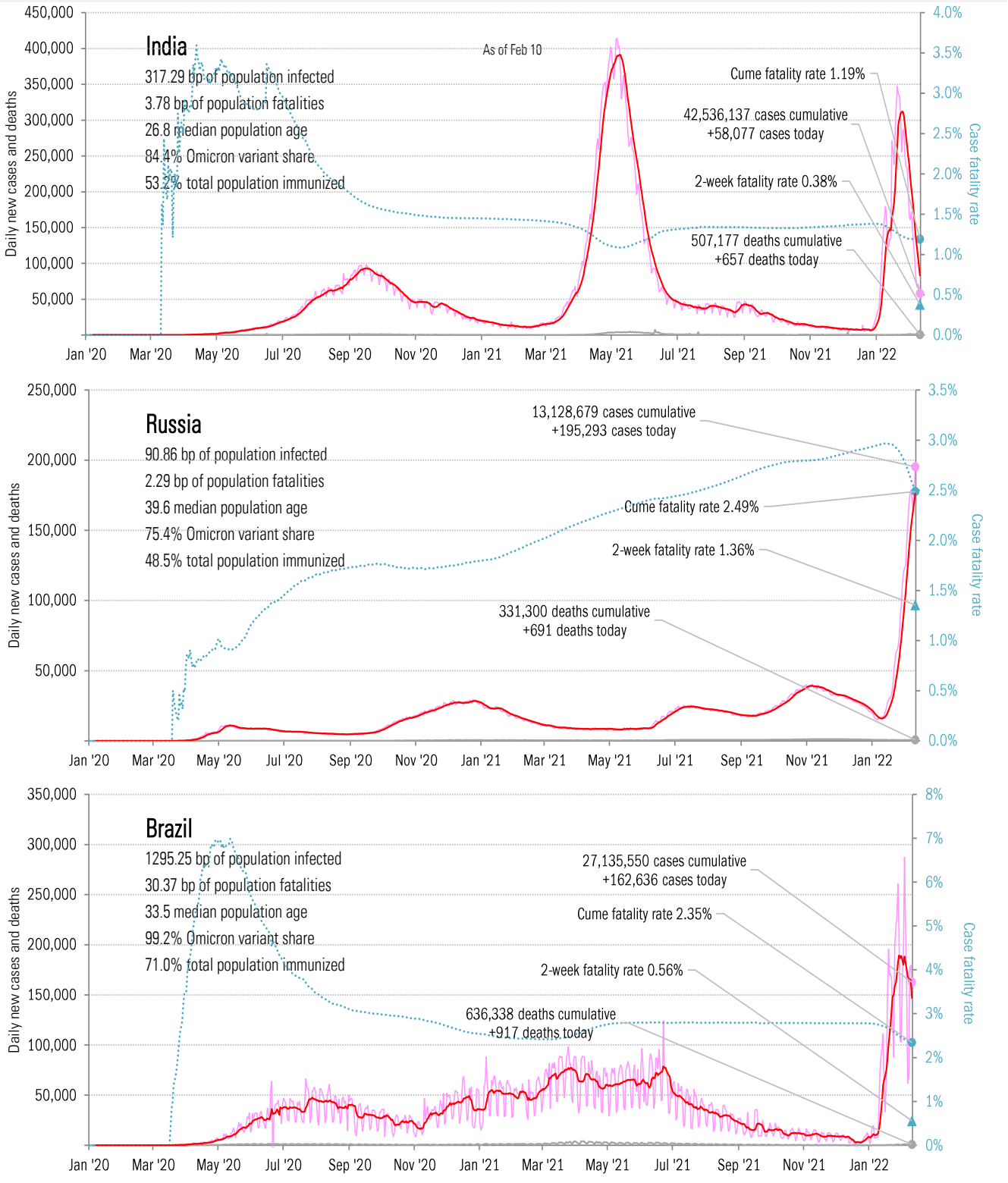
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

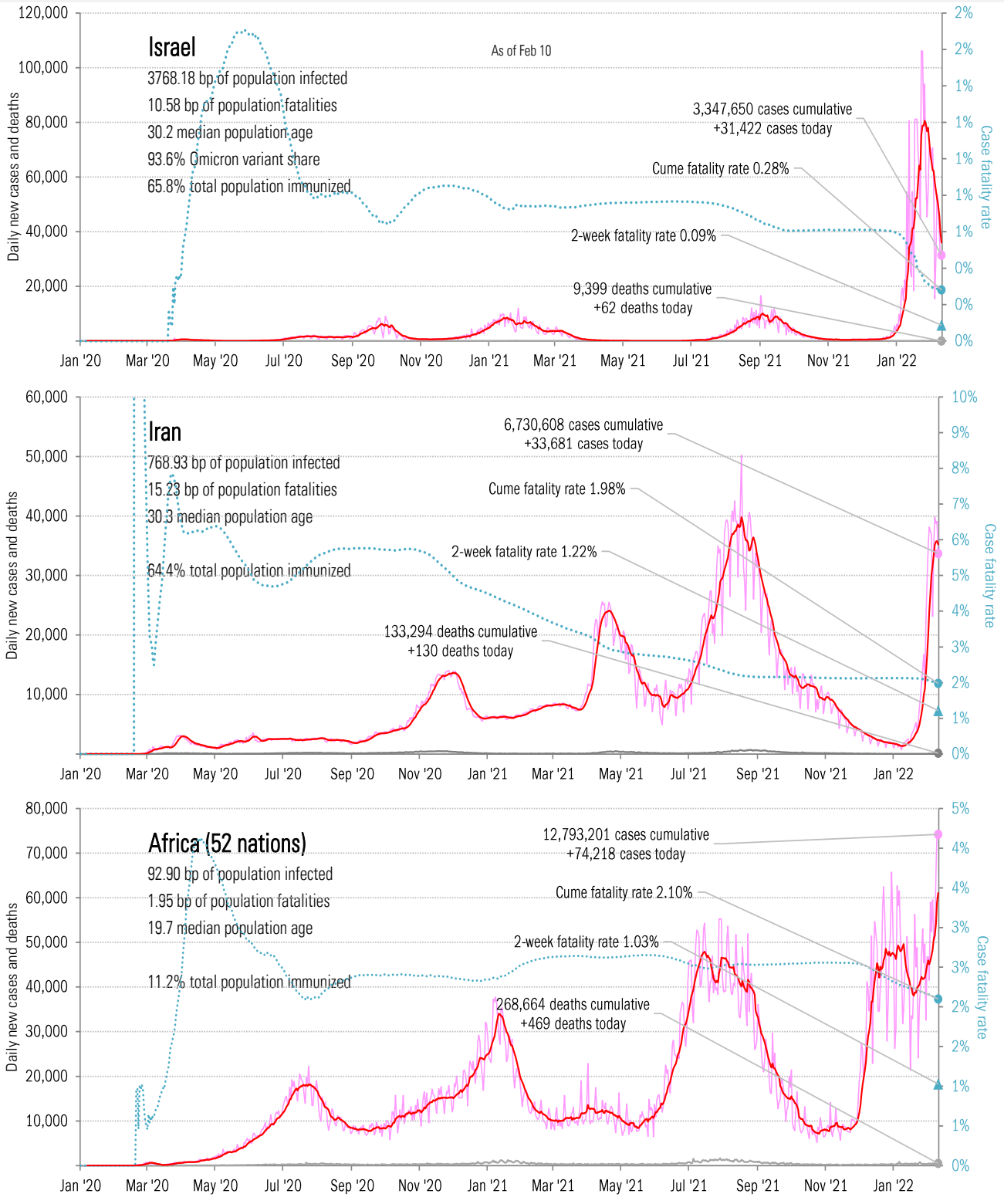
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

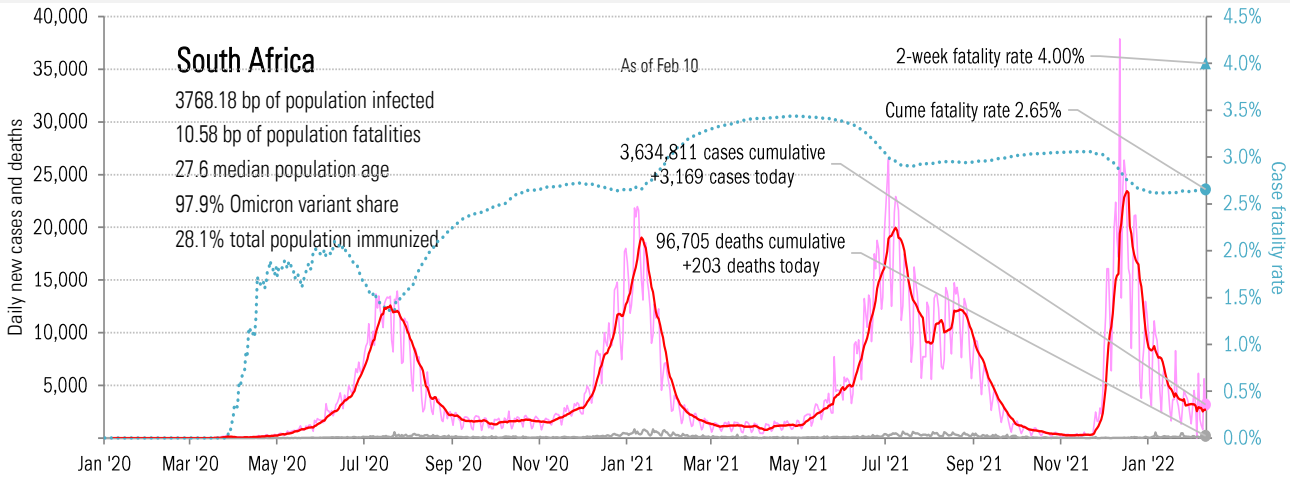
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations