Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

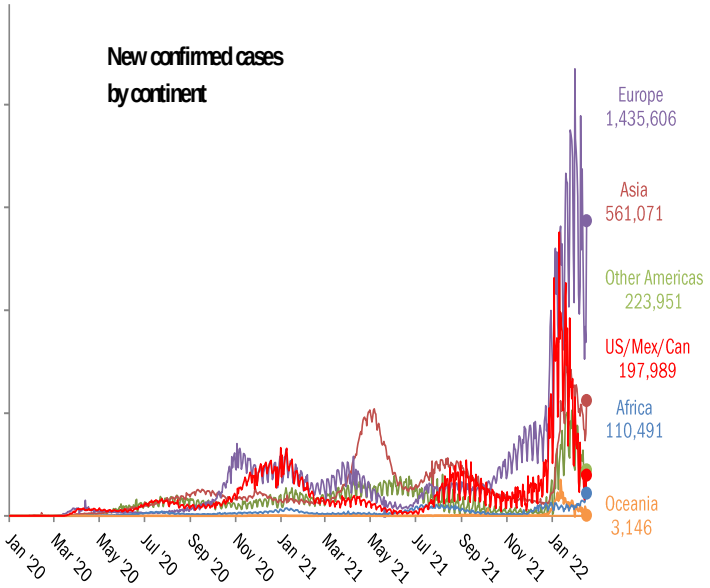
Thursday, February 17, 2022

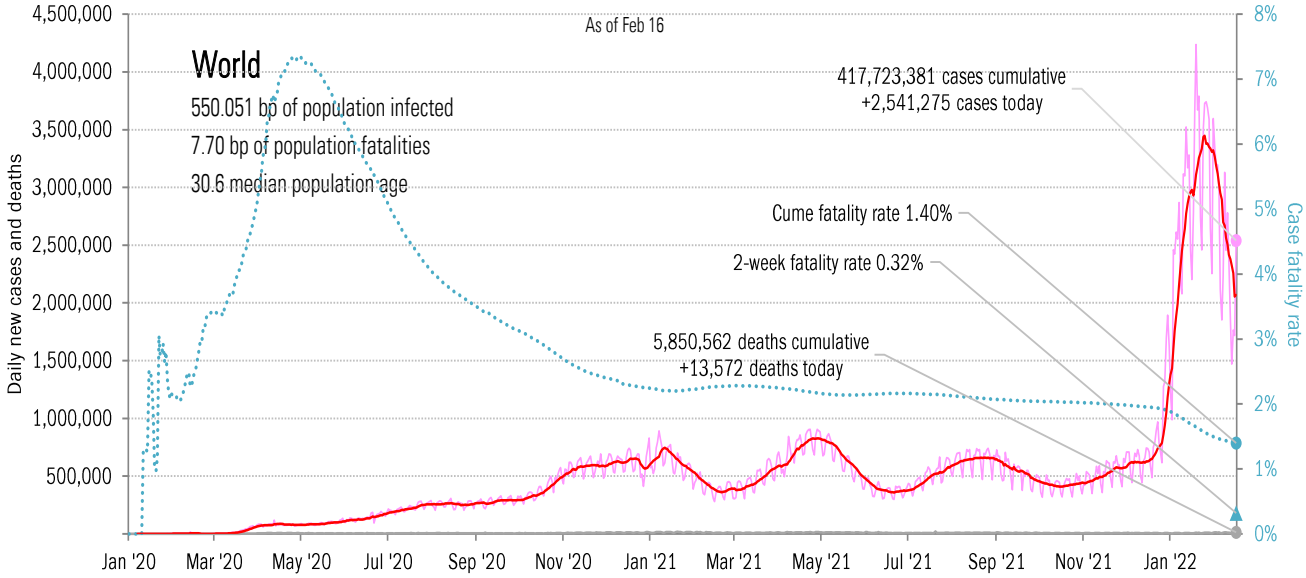
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	401,828	United States	3,287
France	243,929	Mexico	1,163
Russia	177,823	Brazil	1,020
Indonesia	158,268	Russia	736
United States	145,509	France	669
Brazil	142,528	India	541
Turkey	94,176	Germany	455
Korea, South	93,127	Indonesia	446
Japan	90,885	Spain	444
Netherlands	63,960	Poland	372
	1,612,033		9,133
World	2,541,275	World	13,572
Top ten	63%	Top ten	67%





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

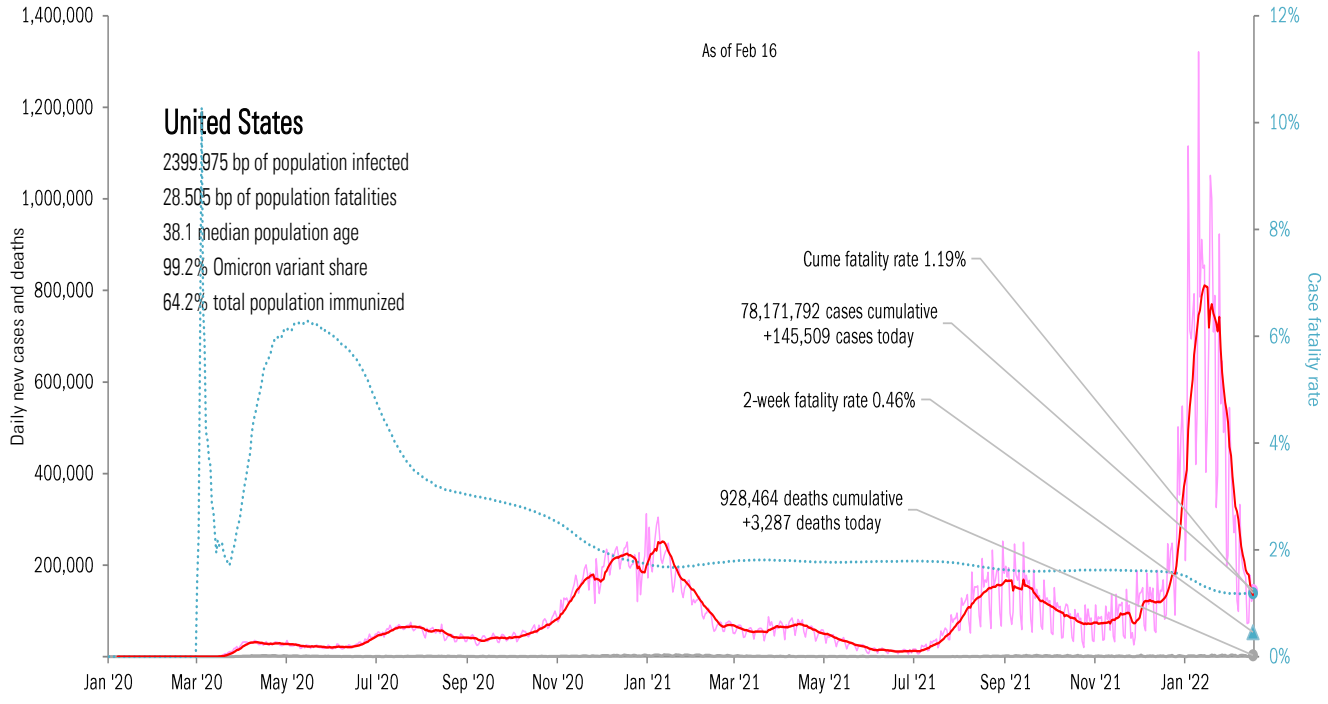
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
MD	23,402	MI	352	AS	0	CA	8,863,723	CA	83,366	TX	474,769	GA	87%	TX	92%
CA	13,978	TX	290	GU	0	TX	6,545,752	TX	82,896	CA	408,285	RI	86%	AL	92%
FL	9,021	CA	289	MP	0	FL	5,775,285	FL	67,860	FL	403,609	MA	85%	VT	90%
TX	8,374	FL	207	VI	0	NY	4,895,155	NY	66,768	NY	238,853	WV	85%	MS	90%
MI	6,304	SC	164	AK	-3	IL	3,007,987	PA	42,533	GA	198,811	WA	85%	OK	87%
NC	6,079	WA	149	DC	-3	PA	2,731,855	OH	35,372	OH	185,904	PA	84%	AR	87%
KY	5,127	NC	133	MT	-4	OH	2,638,202	IL	34,609	PA	171,006	MN	83%	GA	86%
TN	5,085	GA	129	NH	-4	NC	2,549,339	GA	34,464	IL	152,499	MO	83%	NM	86%
NY	4,252	IN	126	RI	-4	GA	2,446,525	MI	33,870	KY	136,863	NH	82%	KY	85%
AZ	3,917	IA	119	HI	-5	MI	2,337,406	NJ	32,544	MI	136,626	FL	82%	NV	85%
	85,539		1,958		-23		41,791,229		514,282		2,507,225				
All states	145,509		3,287		-3,131	All states	78,171,792		928,464		4,544,051	All states	70%		67%
Top ten	59%		60%		1%	Top ten	53%		55%		55%	Median	78%		78%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
ME	-7,412	MO	-233	CA	-87	DE	+20 bp
KS	-6,410	KS	-96	VA	-69	CA	+10 bp
MN	-4,973	MA	-71	MI	-60	IA	+10 bp
TN	-3,609	PA	-68	OK	-54	IL	+10 bp
TX	-3,373	CT	-62	NJ	-27	IN	+10 bp



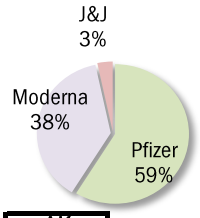
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	562,110,060				+0.449 million
Boosters	93,390,189				+0.192 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	259,971,673	78%	220,308,031	66%	+0.115 million
Age 12 to 17	17,194,068	68%	14,592,501	58%	+0.013 million
Age 18 to 64	175,320,252	86%	148,407,982	73%	+0.061 million
Age 65 and over	58,120,381	100%	50,239,755	92%	+0.008 million

Immunity	Full	Partial
US	64.2%	76.0%
UK	71.5%	77.0%
France	77.1%	80.0%
Spain	82.1%	87.7%
Germany	74.2%	75.4%
Italy	77.8%	83.7%
Australia	79.0%	85.0%
Israel	65.8%	72.1%
Canada	80.4%	85.3%
Japan	79.3%	80.6%
Africa	11.5%	16.8%
India	54.2%	68.8%
Brazil	71.3%	81.5%
China	85.1%	87.7%

Global data differs due to sources, timing



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

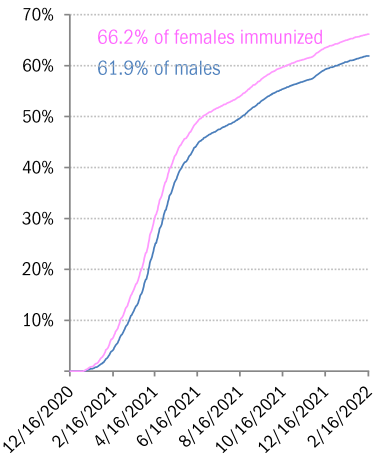
"Immunity" = two doses

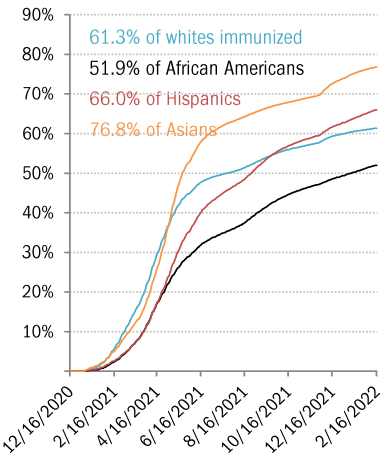
Best
Middle
Worst

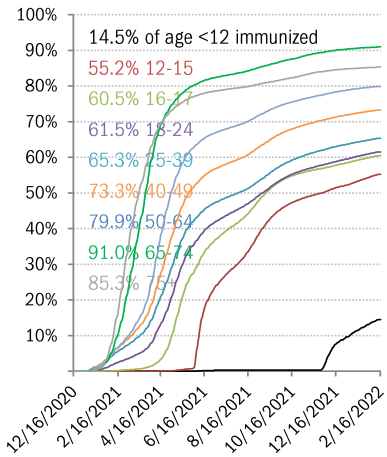
As of Feb 16

AK					WI					ME
68.3%					70.8%					89.0%
60.0%					64.2%					78.1%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
79.4%	60.0%	64.2%	64.3%	74.1%	75.8%	65.8%		88.4%	92.6%	95.0%
70.7%	52.7%	55.7%	54.3%	67.8%	67.0%	58.9%		75.1%	79.9%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
76.7%	73.7%	57.8%	74.6%	67.1%	60.4%	62.7%	82.9%	88.5%	95.0%	
68.4%	59.2%	50.3%	59.5%	60.9%	53.8%	57.3%	66.6%	73.8%	77.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
81.3%	71.0%	78.0%	69.1%	65.1%	65.0%	64.0%	84.1%	84.4%	93.5%	95.0%
69.9%	63.0%	68.8%	62.1%	54.9%	56.2%	56.6%	71.6%	73.5%	77.4%	80.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.0%	85.4%	73.1%	65.5%	61.0%	81.8%	66.1%	94.5%	81.3%	
	59.6%	69.2%	59.8%	53.2%	53.2%	59.0%	55.4%	70.9%	67.1%	
			OK	LA	MS	AL	GA			
			69.7%	59.9%	58.6%	61.6%	64.2%			
			55.7%	52.3%	50.6%	49.9%	53.4%			
HI			TX					FL		PR
85.8%			70.4%					77.7%		94.7%
76.7%			59.6%					65.6%		80.7%

The demographics of US vaccination



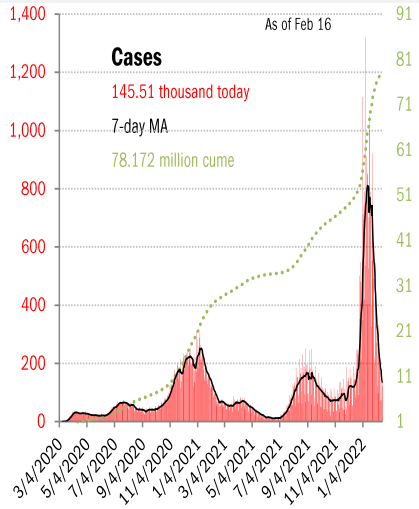


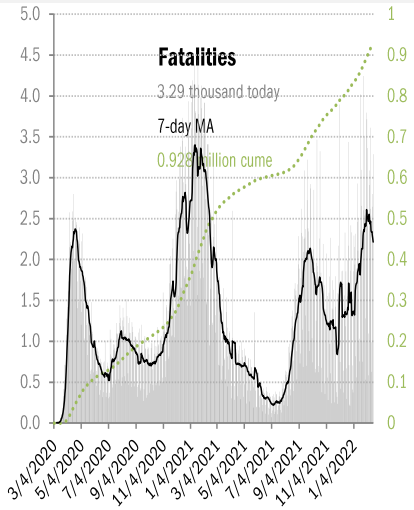


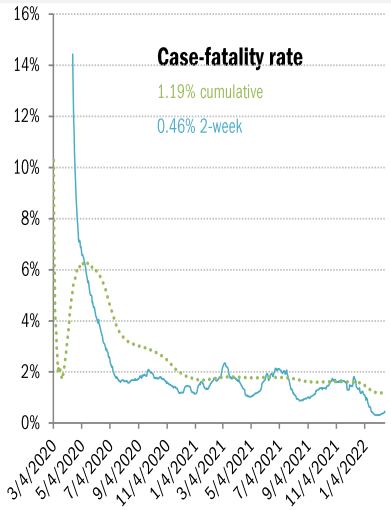
Source: CDC, CDC, Our World in Data, TrendMacro calculations

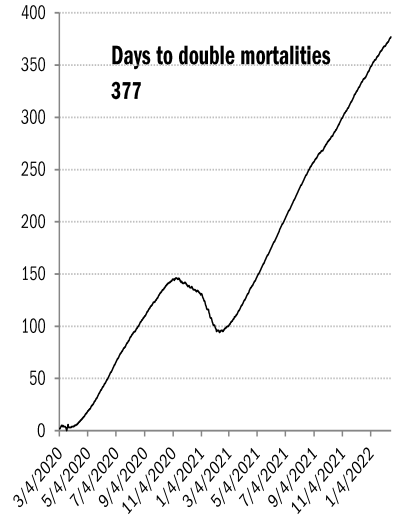
US deep-dive

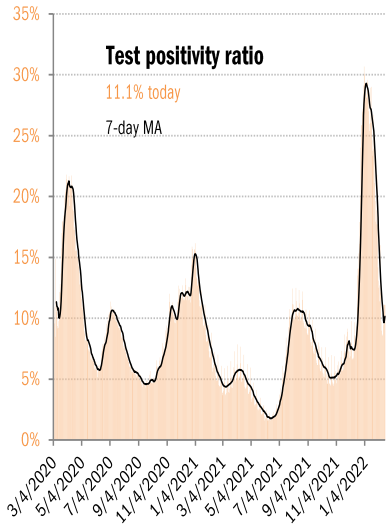
National and state-by-state data do not line up because of different sources

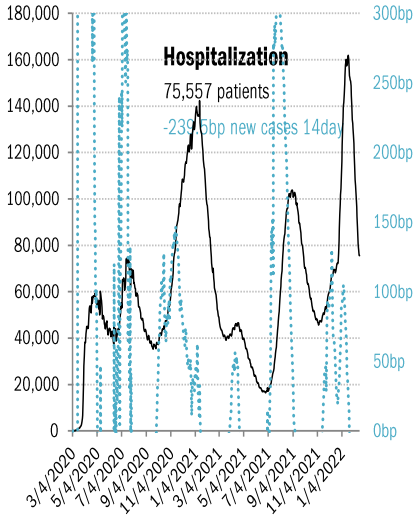


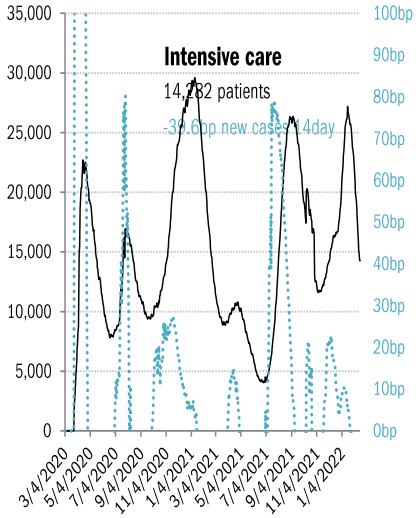


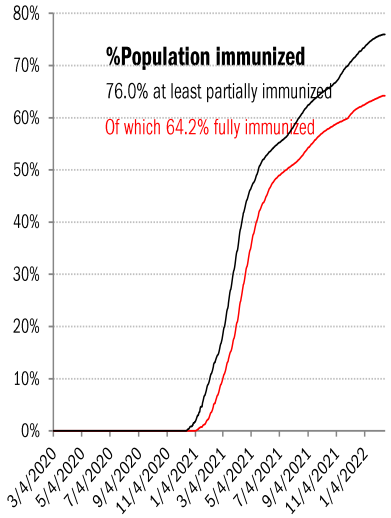










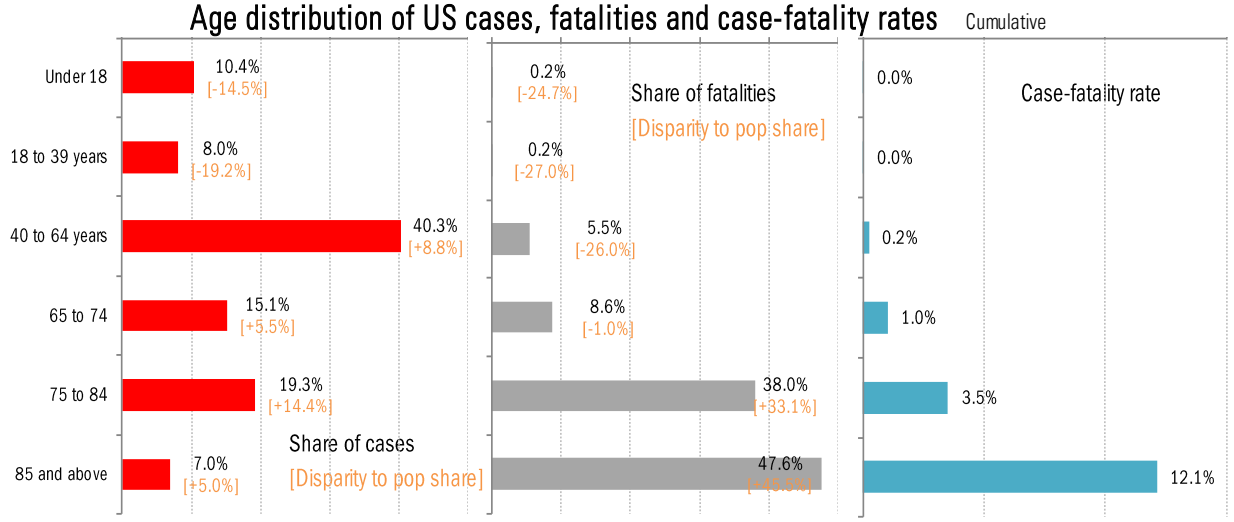


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

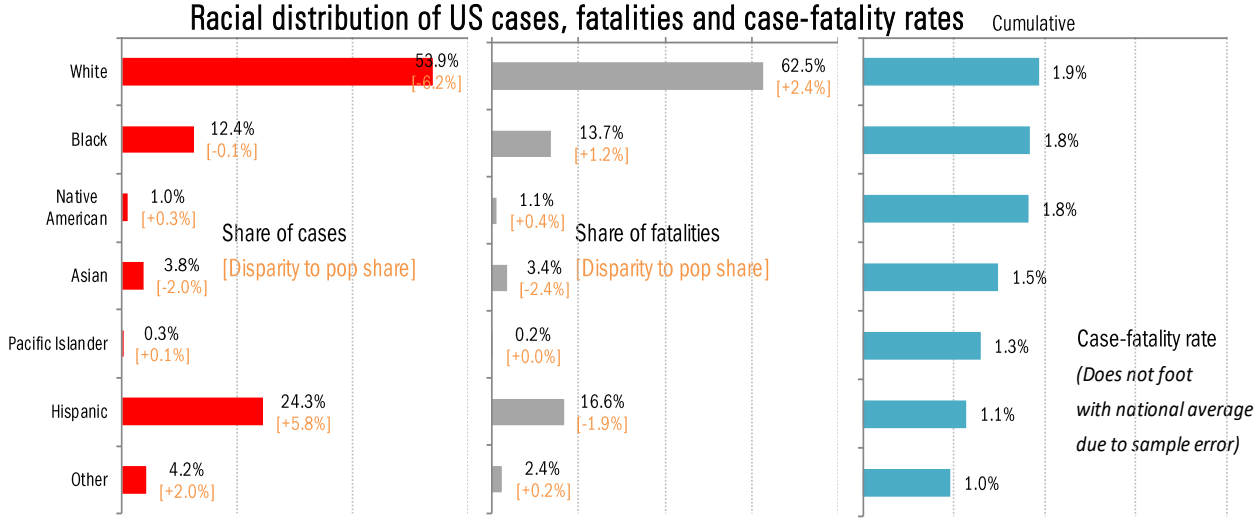
US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

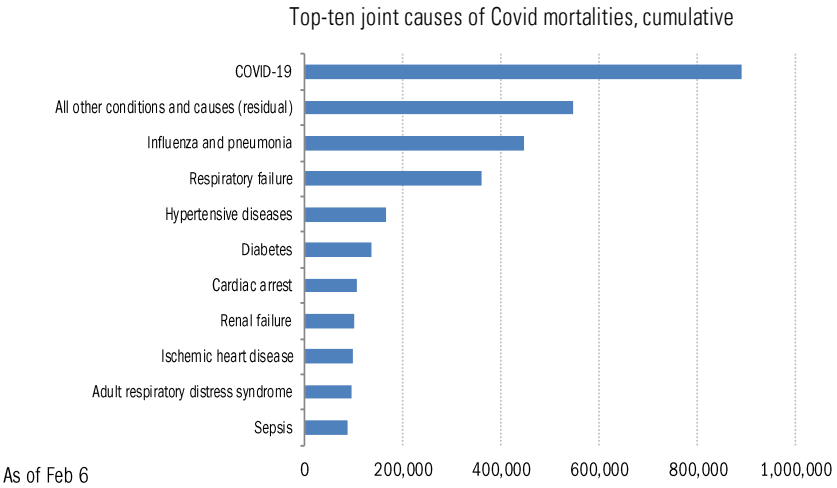
Age distribution of US cases, fatalities and case-fatality rates



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



Comorbidities



As of Feb 6

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

FDA Executive Officer: 'Biden Wants Annual Forced Shots,' Will 'Fountain Revenue'
Darian Alexander
Big League Politics
February 16, 2022

Shutting Down Support for the Truckers
Wall Street Journal
February 16, 2022

Freedom Isn't Quite Dead—the Anglosphere Resists Covid Mandates
Marion Smith
Wall Street Journal
February 16, 2022

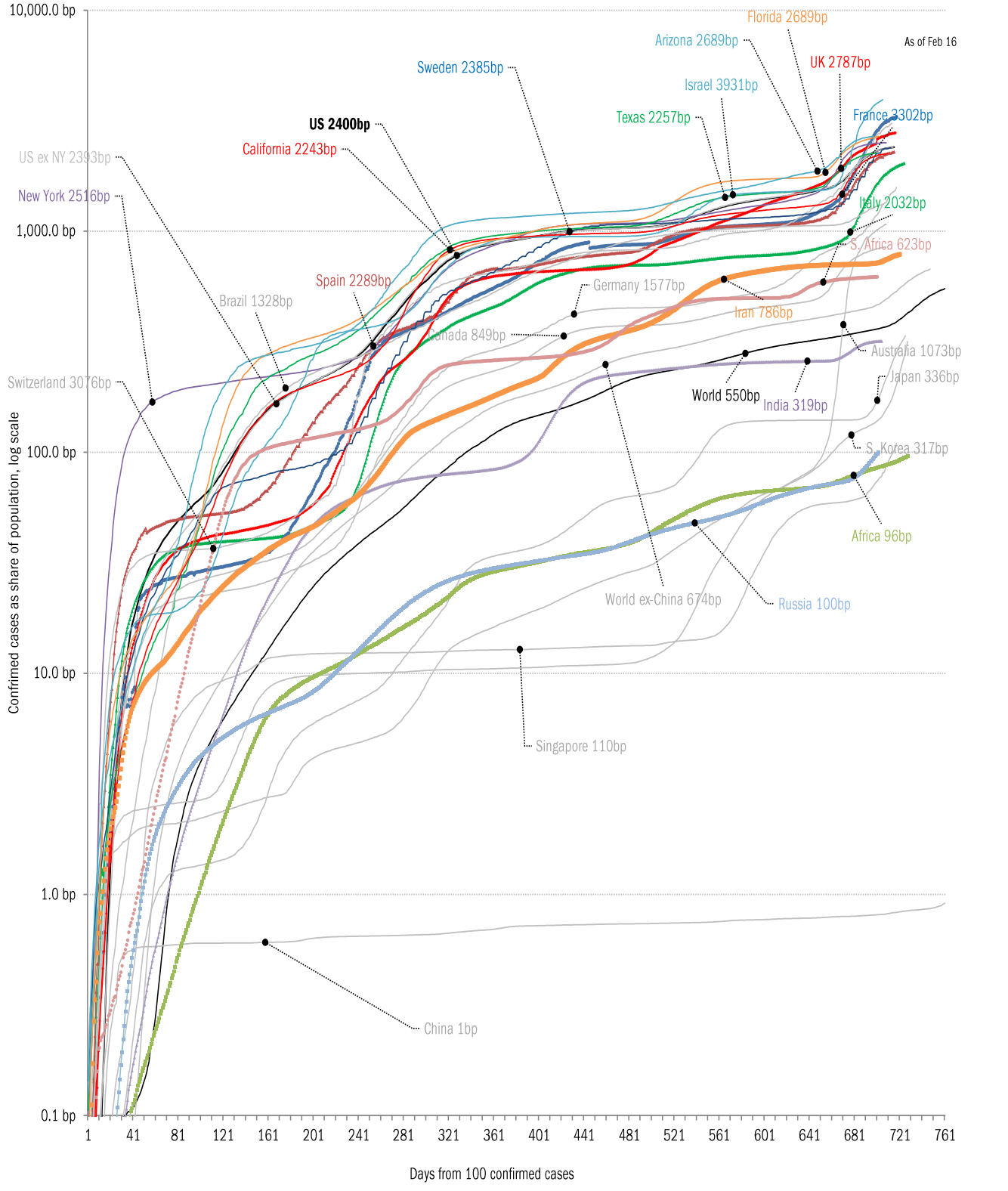
Youngkin signs bill banning school mask mandates in Virginia
Brad Dress
The Hill
February 16, 2022

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

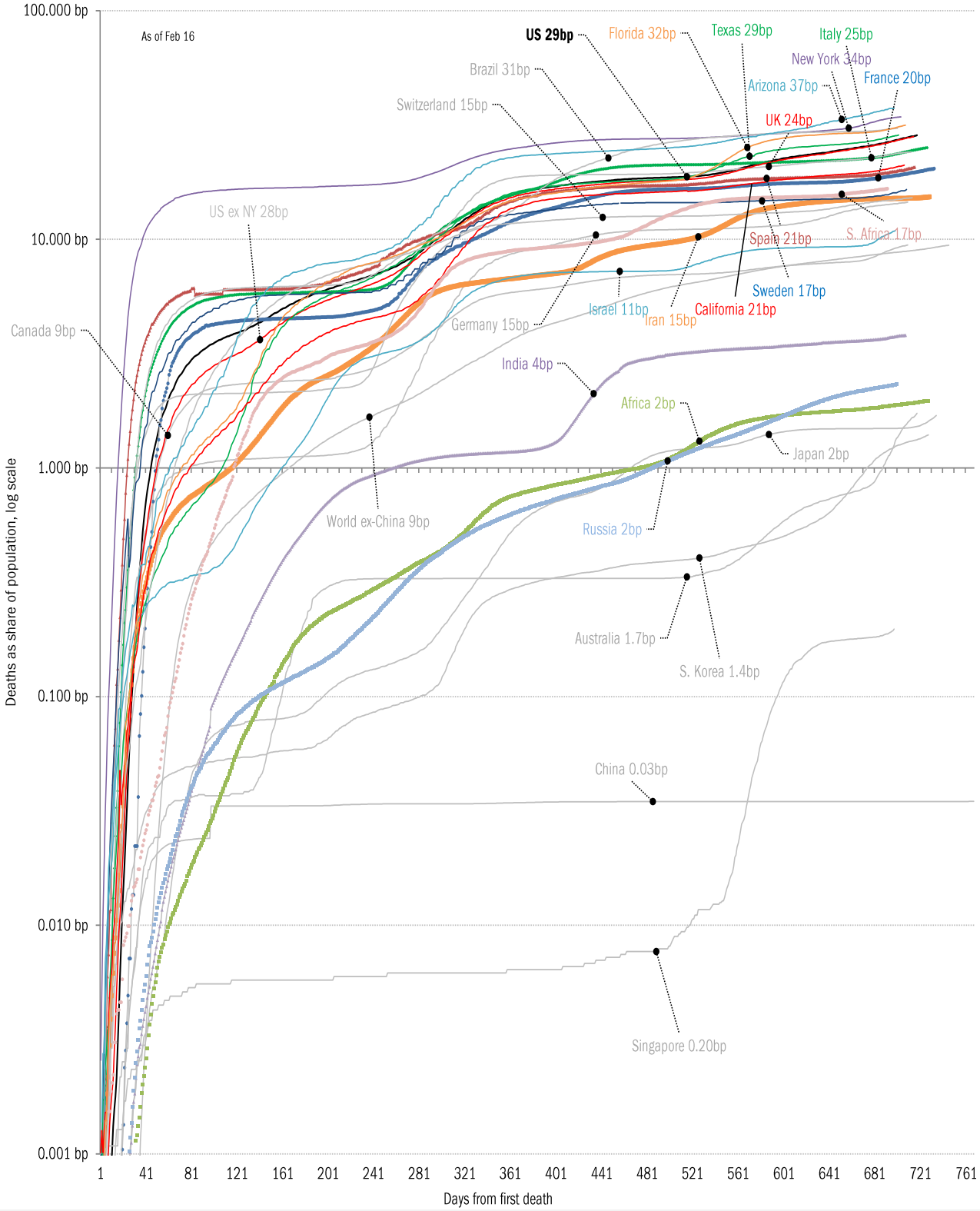
Share of infected population from first day with 100 confirmed cases, log scale



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

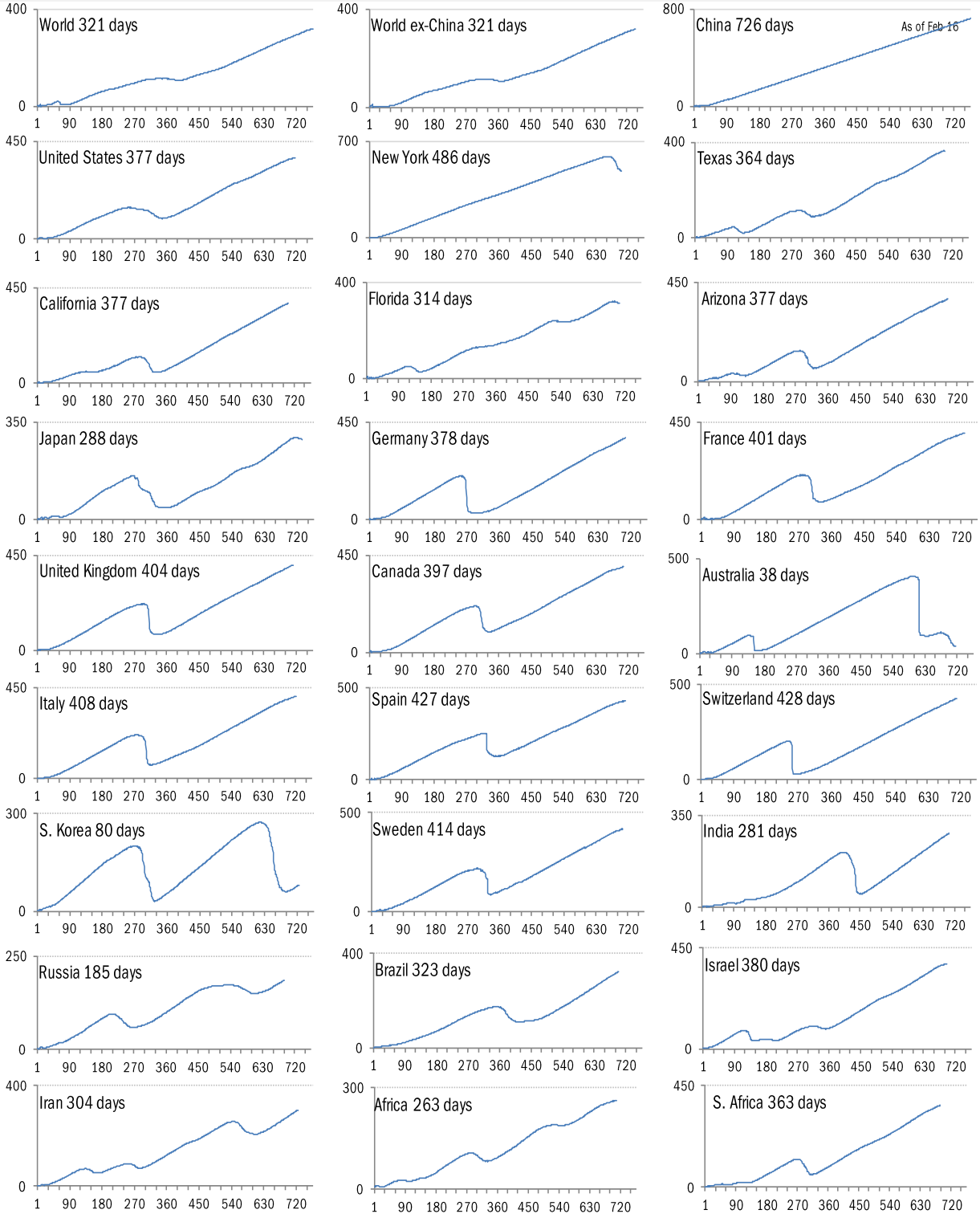


Source: Johns Hopkins, TrendMacro calculations

"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

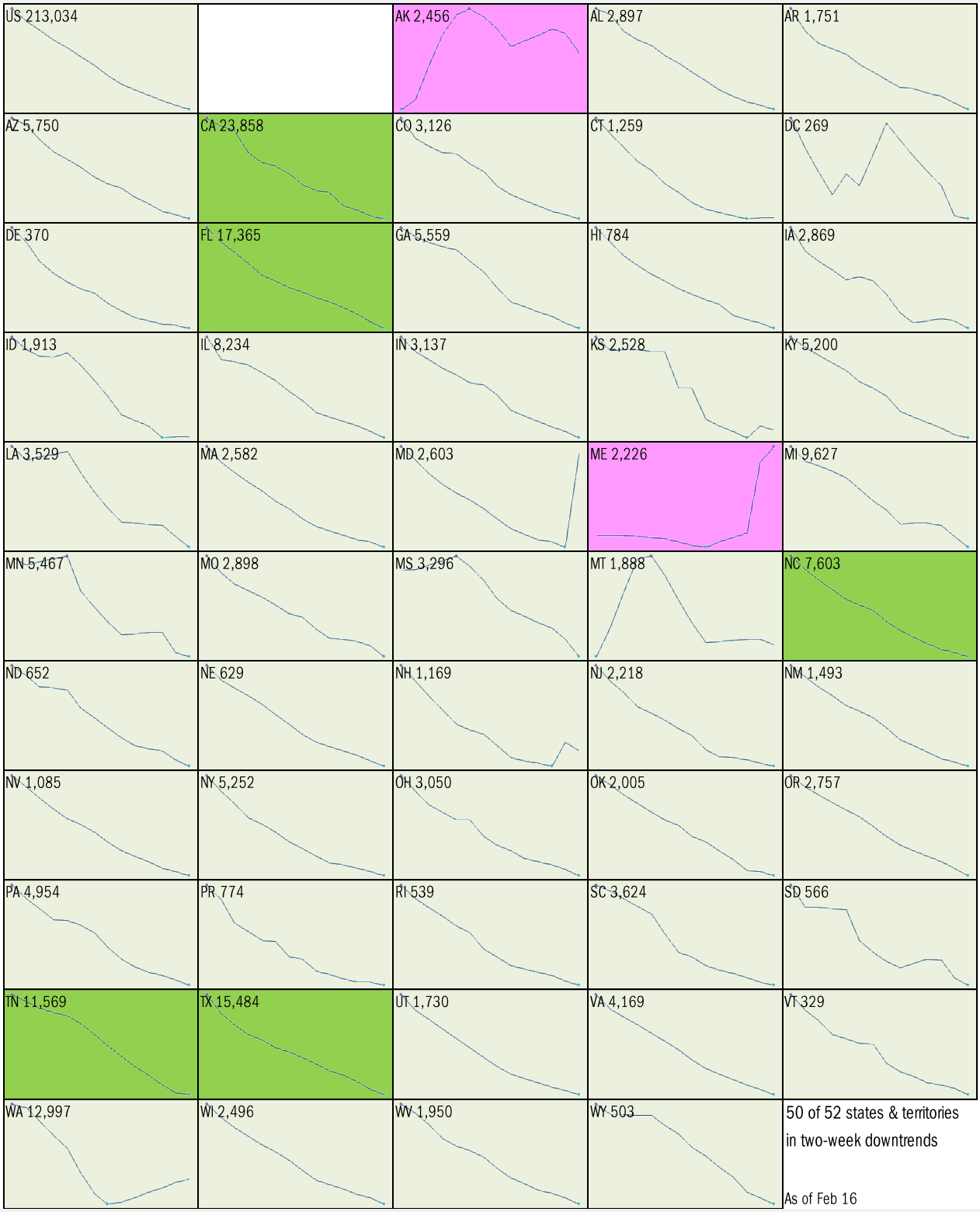


Source: Johns Hopkins, TrendMacro calculations

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

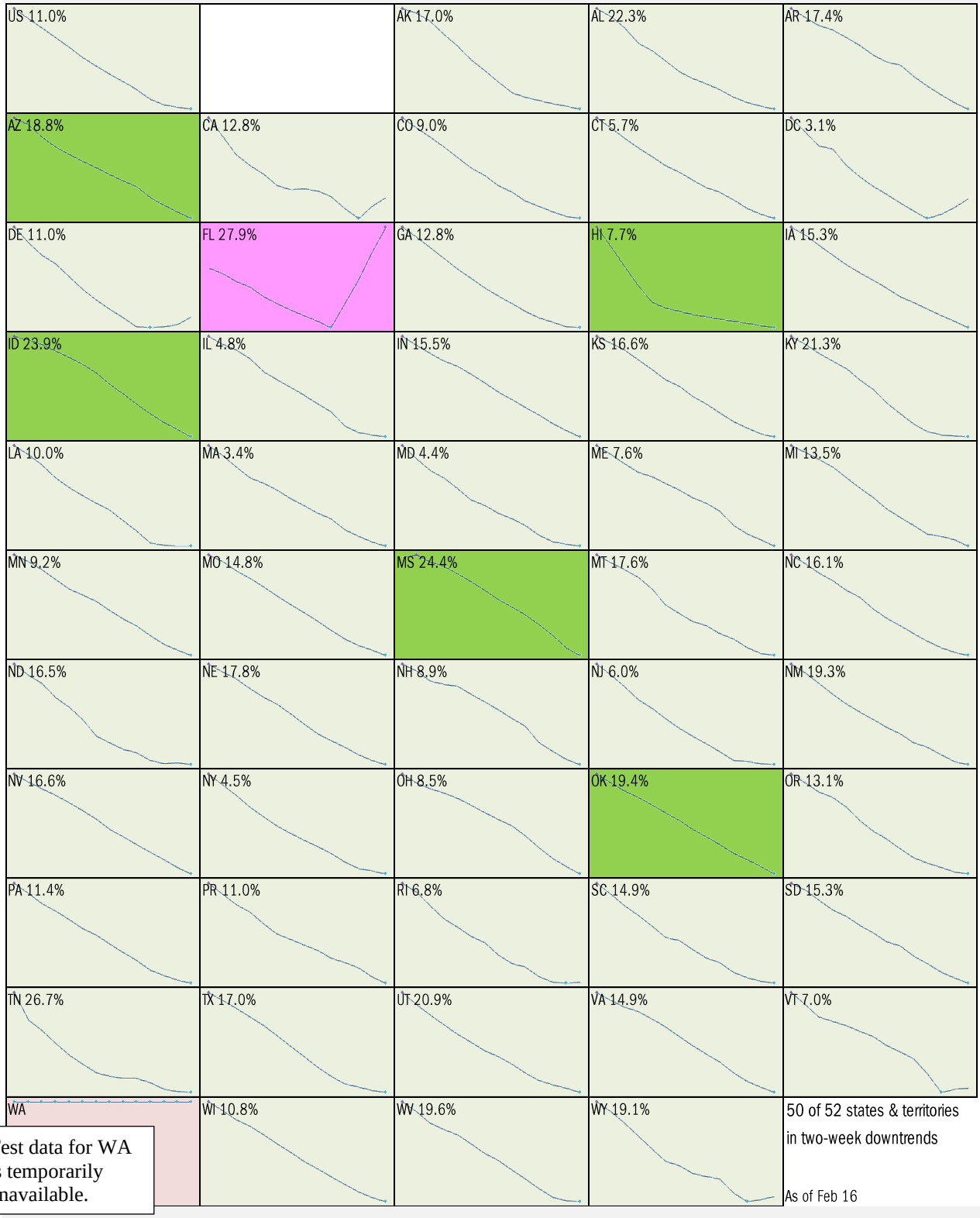


Source: Johns Hopkins, TrendMacro calculations

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

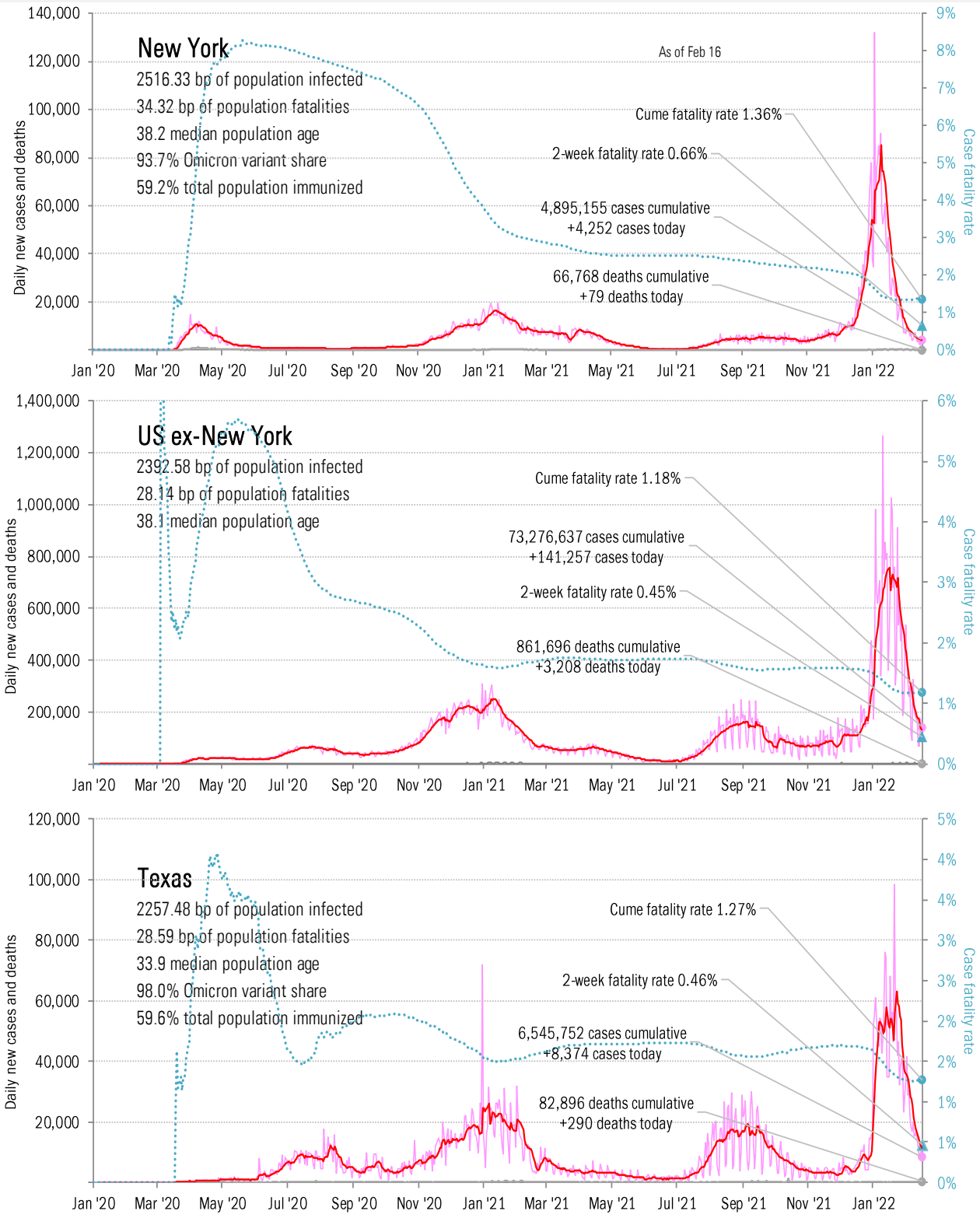


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

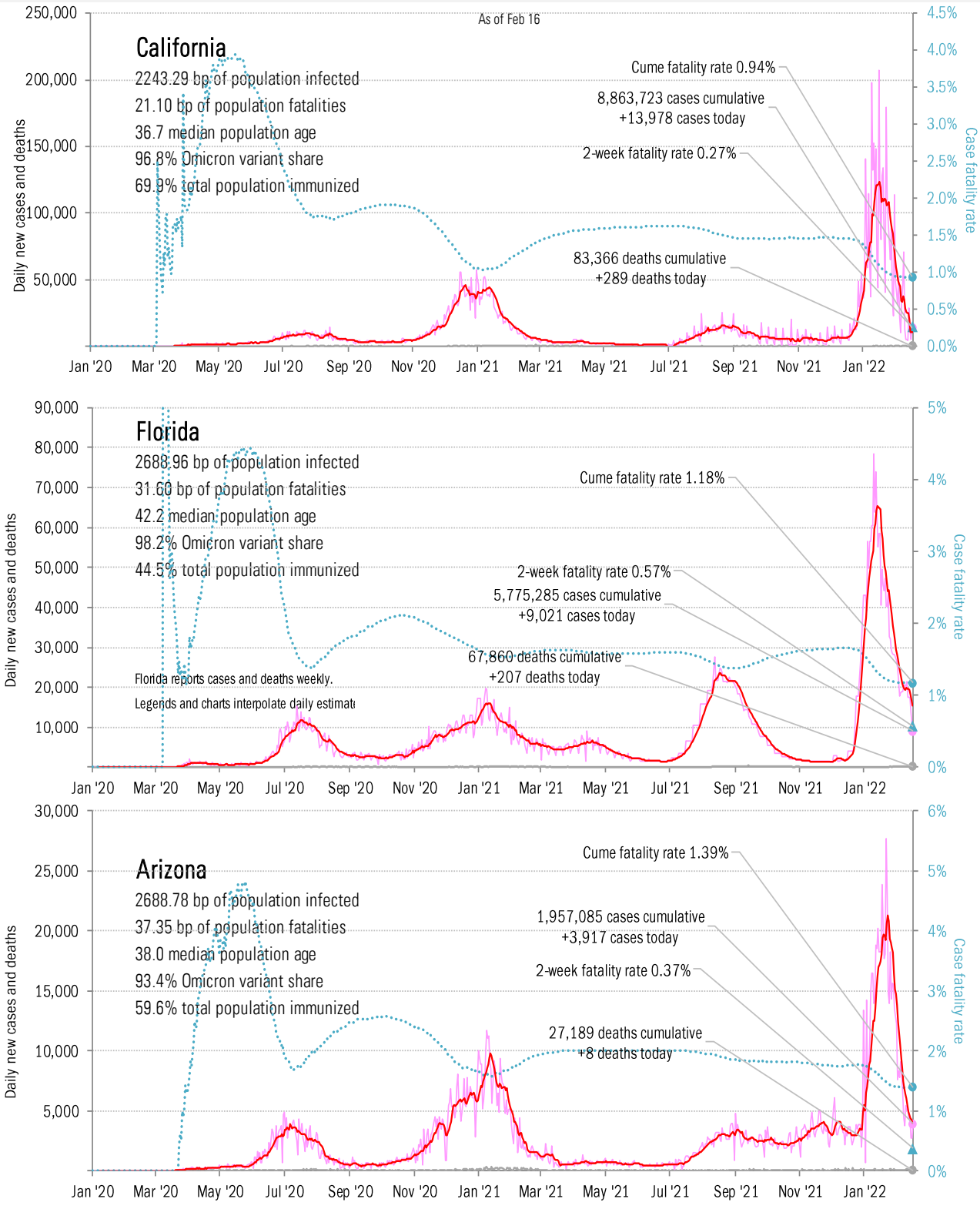
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

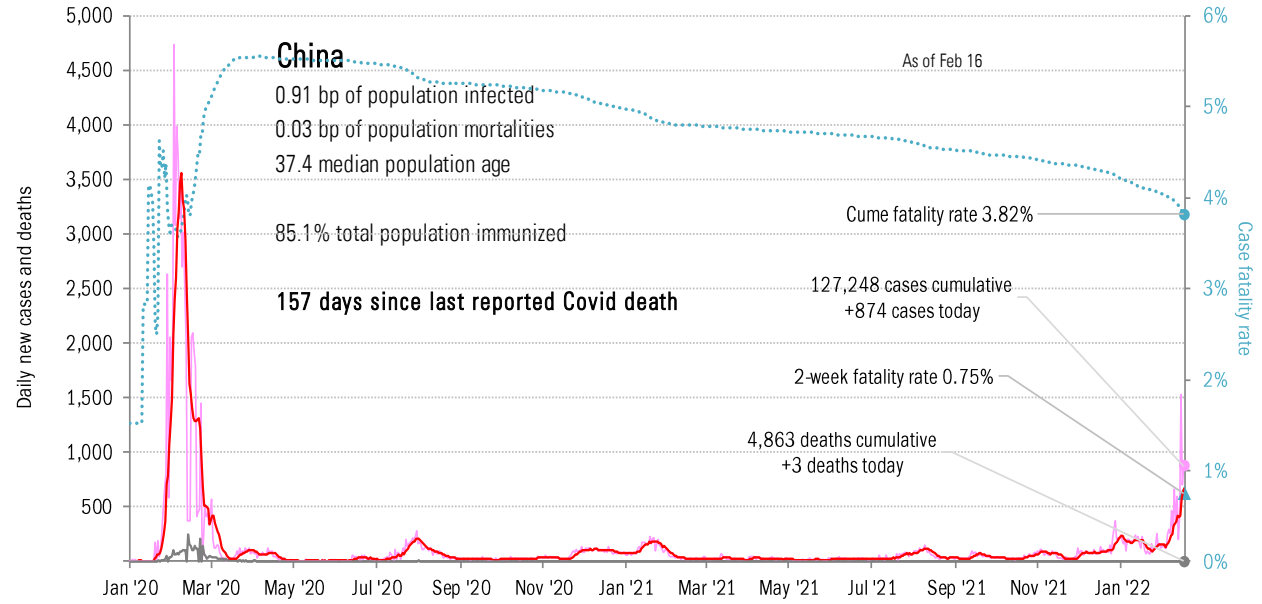
Cases: 7-day average and daily Deaths: Daily

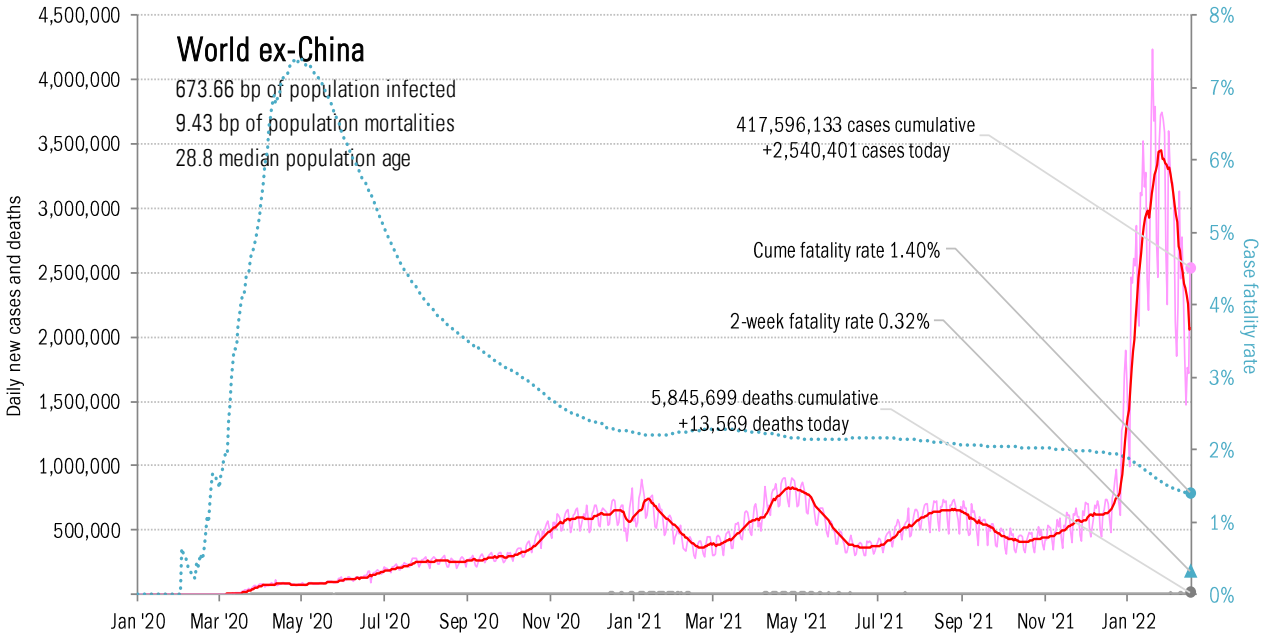


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

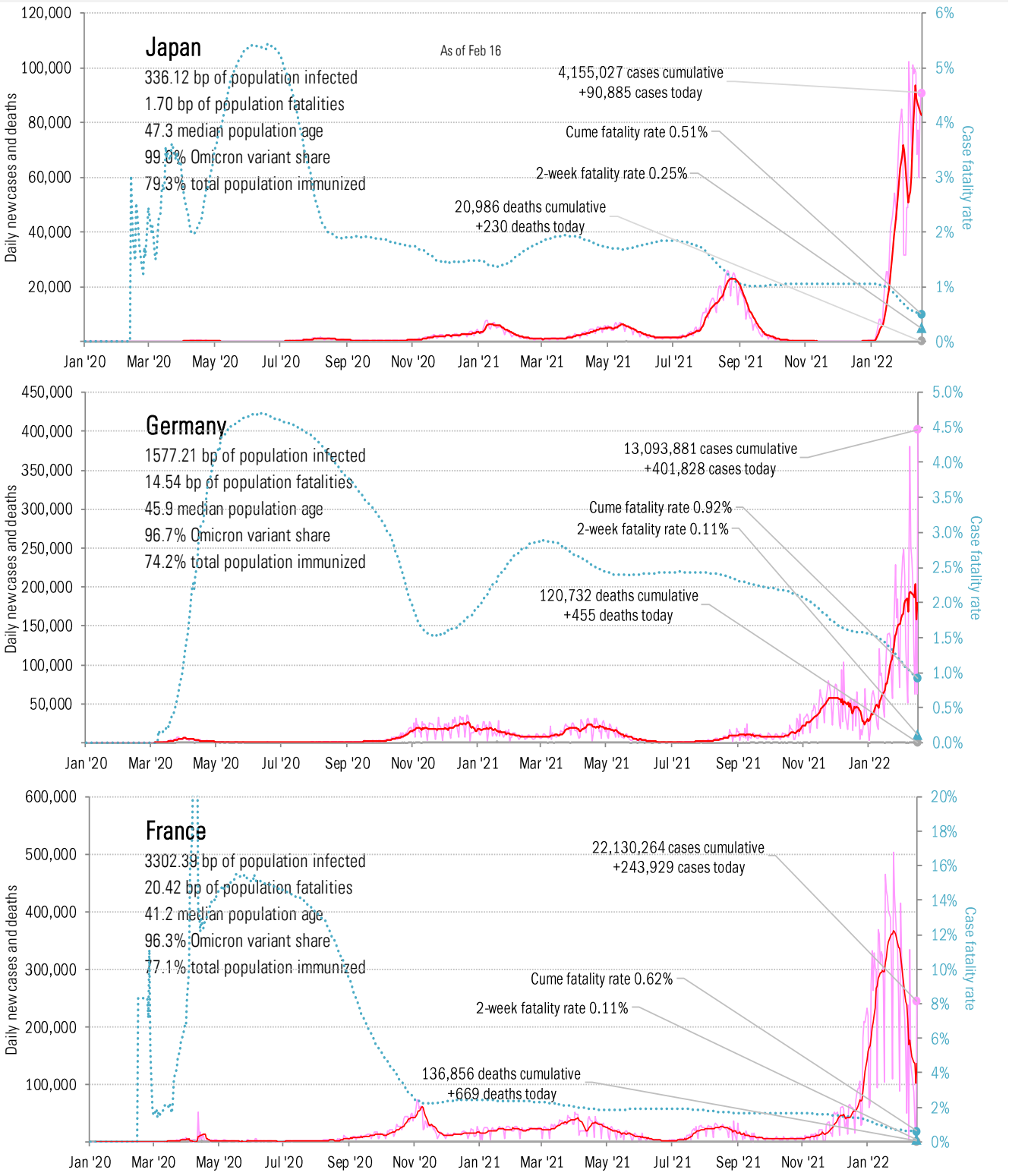




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

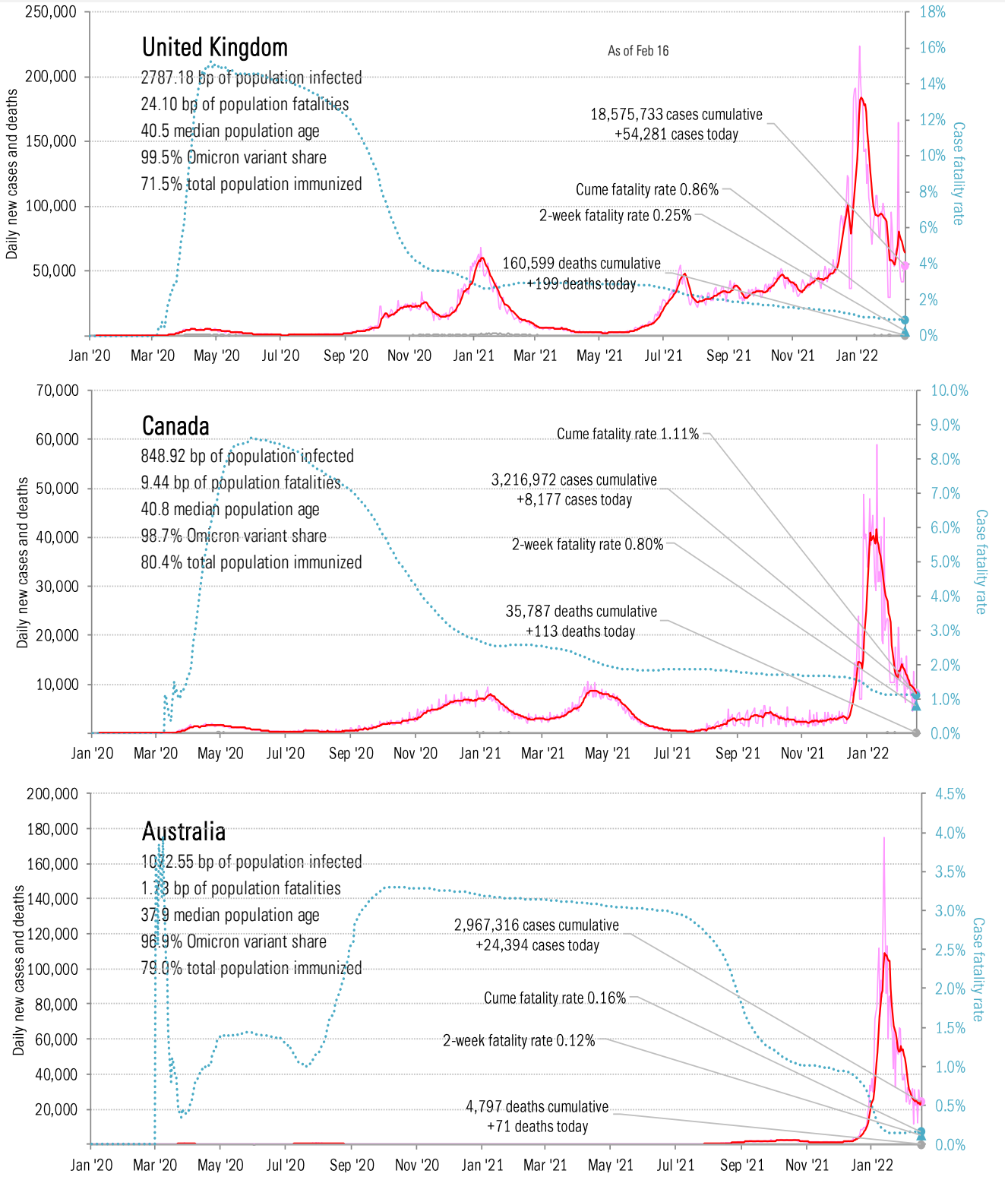
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

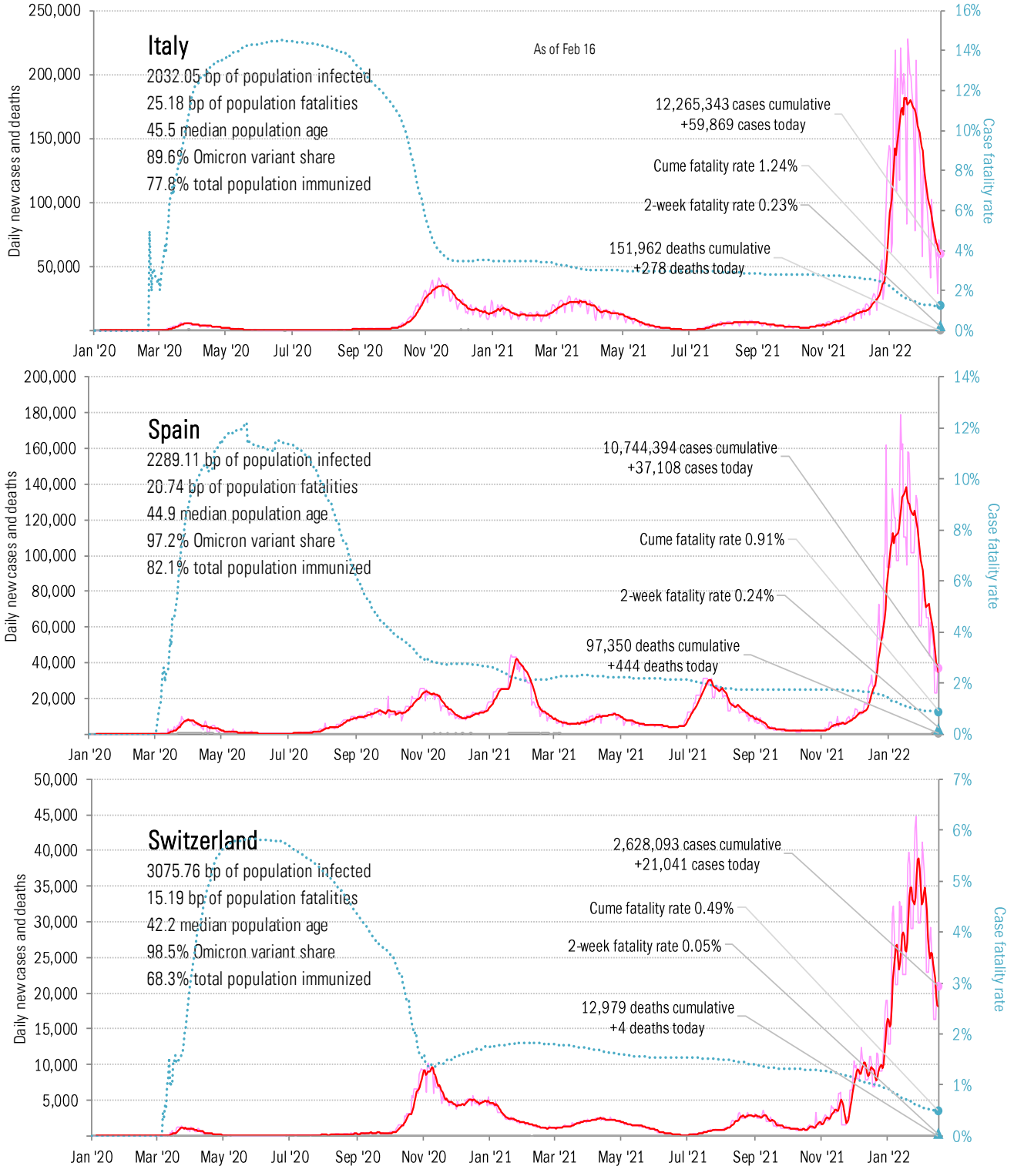
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

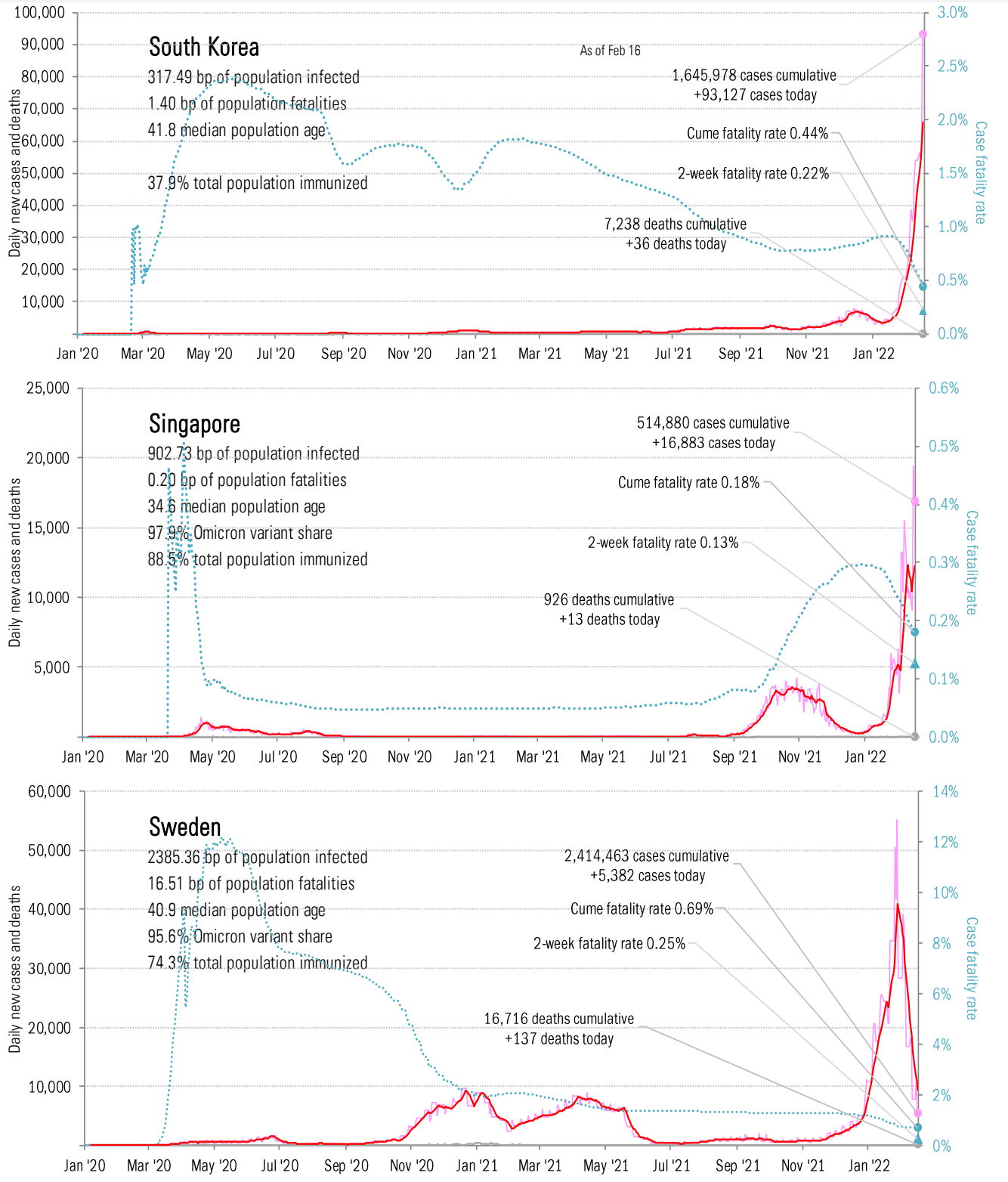
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

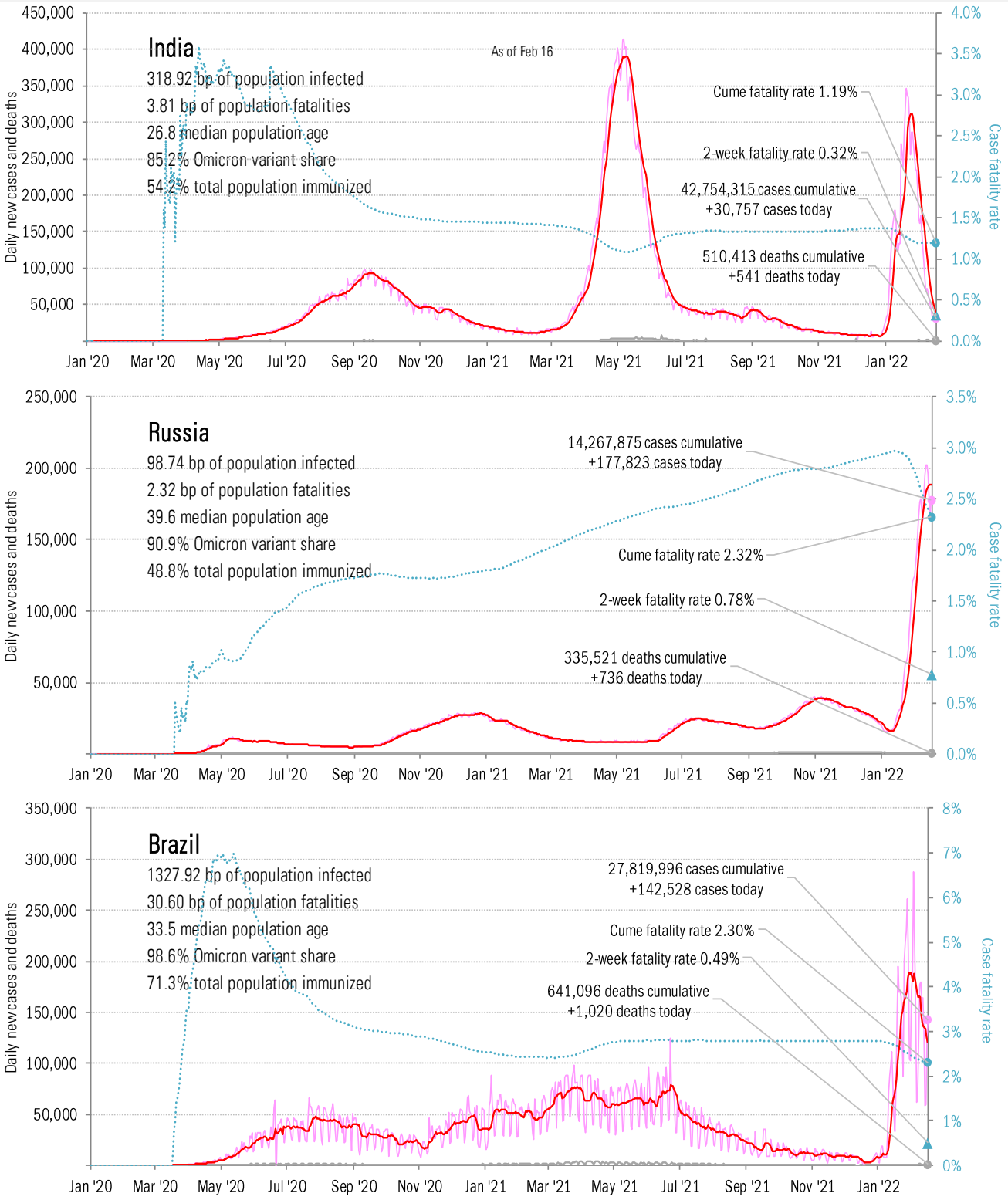
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

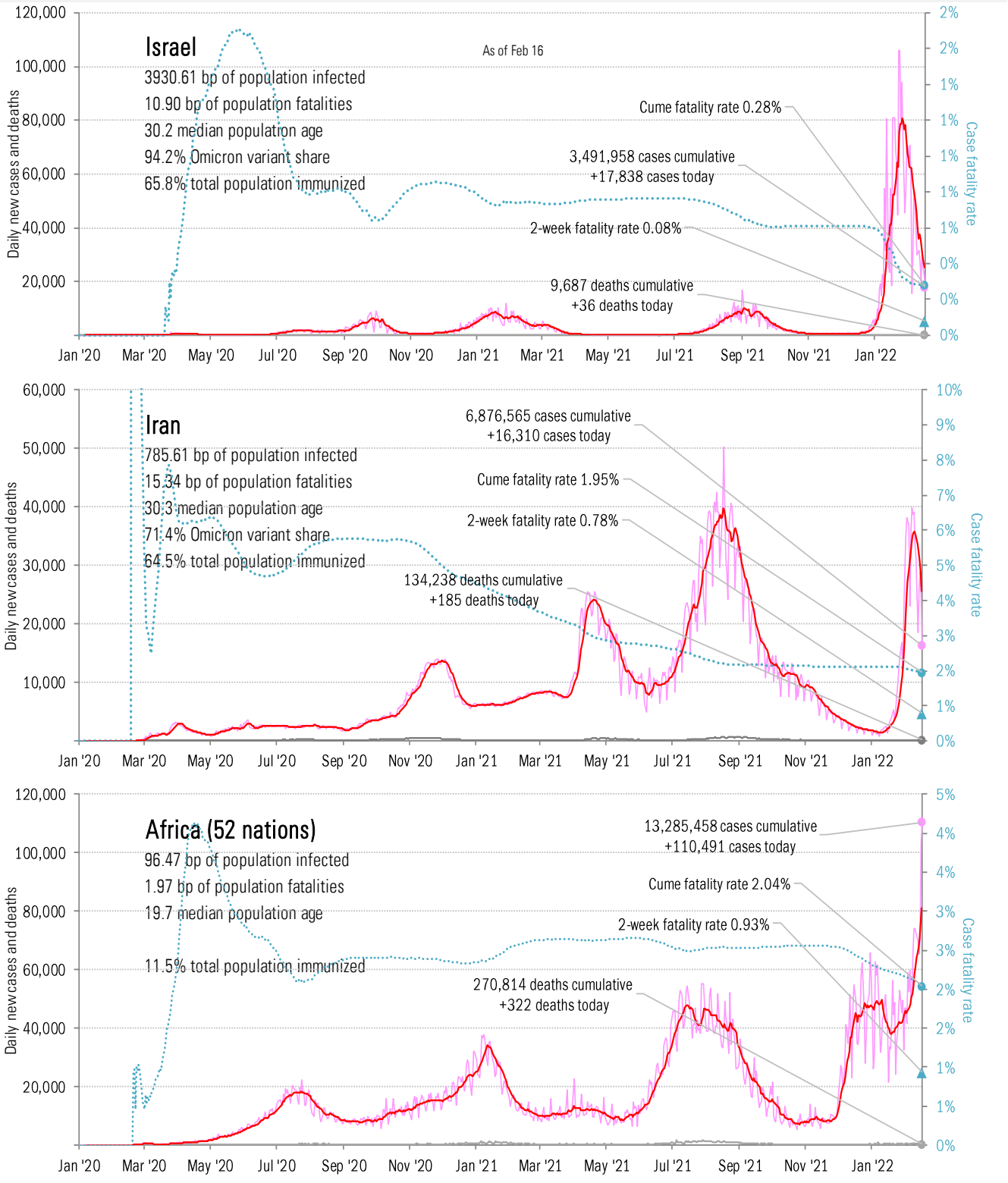
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

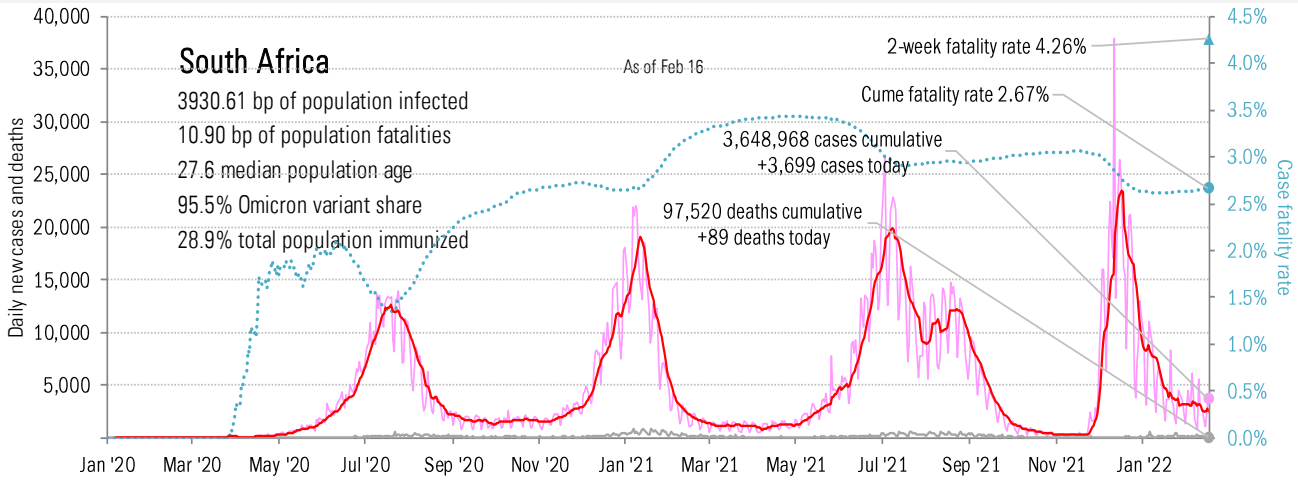
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations