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

Data Insights: Covid-2019 Monitor

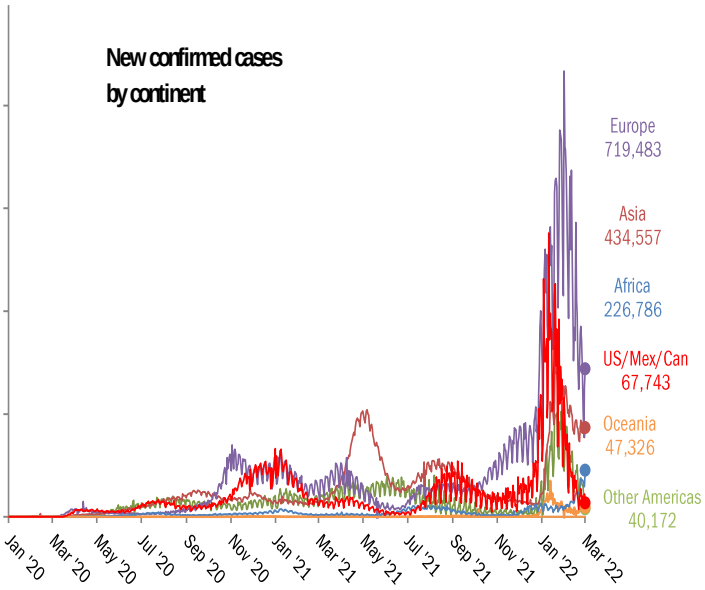
Wednesday, March 2, 2022

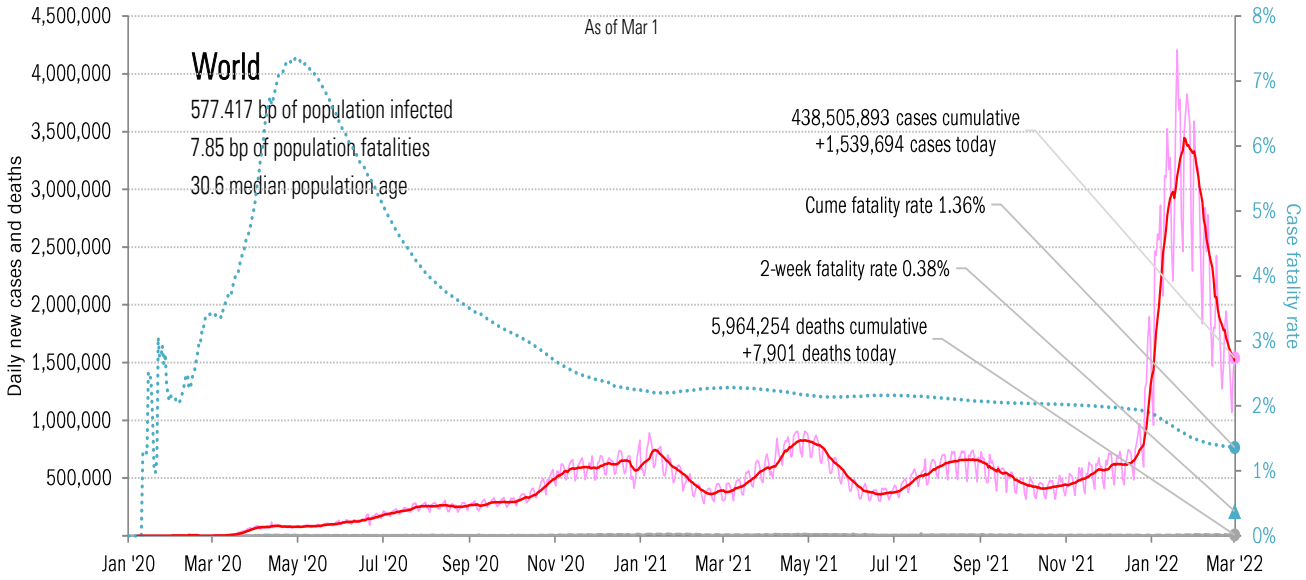
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	219,237	United States	1,713
Vietnam	114,144	Russia	772
United Kingdom	99,670	Spain	473
Russia	96,092	Mexico	382
France	81,442	Indonesia	325
Japan	65,368	Poland	269
Germany	62,096	United Kingdom	269
Turkey	59,885	Brazil	246
Spain	58,561	China	246
United States	50,658	Japan	238
	907,153		4,933
World	1,539,694	World	7,901
Top ten	59%	Top ten	62%





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

The US scorecard

Cases: 7-day average and daily Deaths: Daily

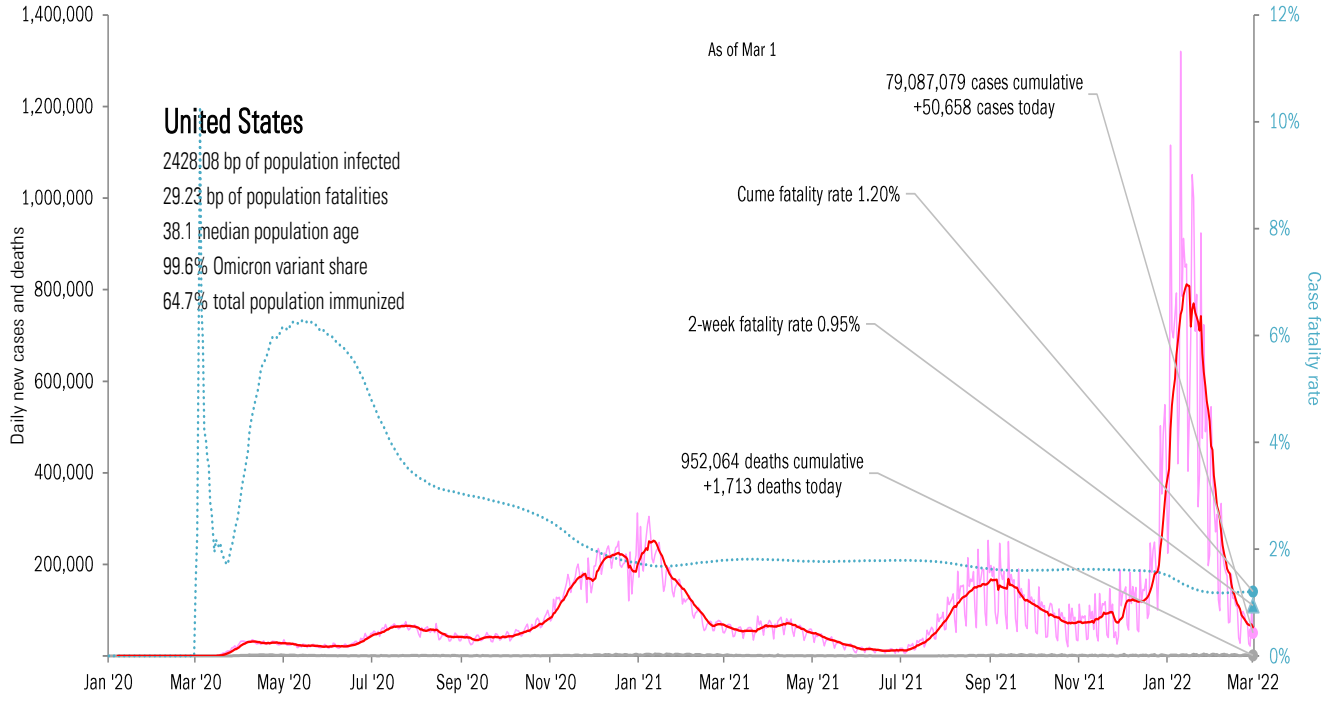
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
IA	5,224	FL	185	NY	533	CA	8,981,736	CA	85,557	TX	480,545	NV	90%	AK	87%
TX	5,195	MO	177	UT	19	TX	6,622,301	TX	85,050	CA	415,145	WA	84%	AL	86%
CA	3,970	TX	151	GA	10	FL	5,839,814	FL	69,888	FL	408,782	RI	84%	TX	85%
FL	3,627	PA	116	DC	2	NY	4,926,708	NY	67,409	NY	241,753	MN	84%	NM	85%
KY	2,757	GA	114	AS	0	IL	3,033,061	PA	43,332	GA	202,355	GA	84%	KY	84%
TN	2,409	CA	89	DE	0	PA	2,758,482	OH	36,822	OH	188,017	MA	83%	NV	83%
MN	2,076	TN	69	GU	0	OH	2,654,991	GA	35,529	PA	173,187	WV	83%	MS	83%
IL	1,841	MA	64	MP	0	NC	2,590,748	IL	35,236	IL	154,282	FL	80%	WV	82%
ID	1,574	AL	62	PR	0	GA	2,466,525	MI	34,505	MI	138,513	DC	80%	VT	80%
VA	1,496	OK	62	VT	0	MI	2,360,399	NJ	32,951	KY	138,299	MO	80%	AR	80%
	30,169		1,089		564		42,234,765		526,279		2,540,878				
All states	50,658		1,713		-993	All states	79,087,079		952,064		4,607,825	All states	70%		67%
Top ten	60%		64%		-57%	Top ten	53%		55%		55%	Median	75%		74%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NE	-21,797	CA	-336	TX	-54	MP	+20 bp
WA	-6,492	VA	-195	MI	-35	FL	+10 bp
NC	-4,882	IL	-69	MO	-18	IL	+10 bp
CA	-3,497	KY	-54	MS	-17	IN	+10 bp
IL	-2,642	ND	-45	NJ	-17	NC	+10 bp



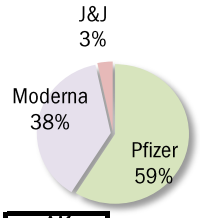
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	568,316,239				+0.153 million
Boosters	95,626,516				+0.070 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	261,258,798	78%	221,894,846	66%	+0.038 million
Age 12 to 17	17,335,166	69%	14,756,578	58%	+0.006 million
Age 18 to 64	176,113,719	87%	149,297,259	73%	+0.020 million
Age 65 and over	58,190,295	100%	50,350,710	92%	+0.001 million

Immunity	Full	Partial
US	64.7%	76.4%
UK	71.9%	77.2%
France	77.6%	80.0%
Spain	83.5%	87.9%
Germany	74.8%	75.6%
Italy	78.7%	83.9%
Australia	79.5%	85.6%
Israel	65.9%	72.1%
Canada	81.2%	85.6%
Japan	79.5%	80.7%
Africa	12.5%	18.5%
India	56.8%	69.3%
Brazil	72.5%	83.1%
China	85.5%	87.9%

Global data differs due to sources, timing



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

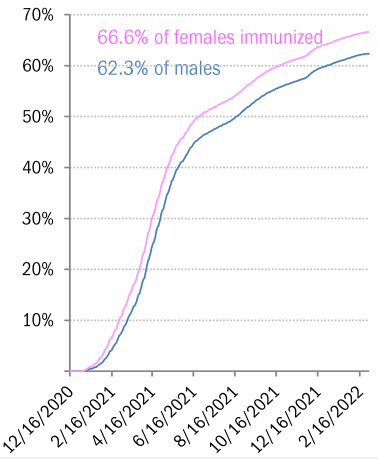
"Immunity" = two doses

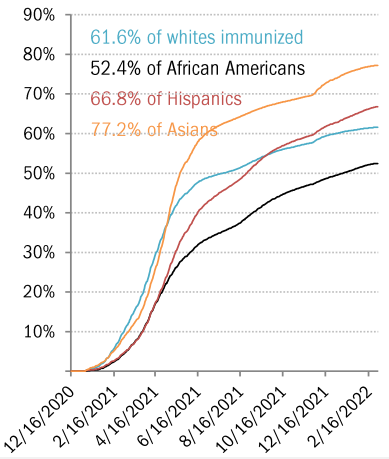
Best
Middle
Worst

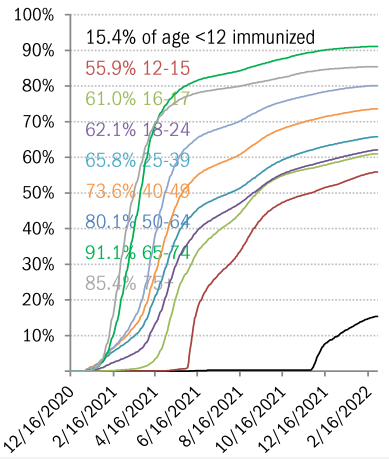
As of Mar 1

					WI					ME
					71.1%					89.1%
					64.6%					78.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
79.8%	60.3%	64.5%	64.5%	74.3%	76.0%	66.1%		89.0%	92.6%	95.0%
71.5%	53.2%	56.0%	54.5%	68.2%	67.5%	59.2%		75.6%	80.1%	67.9%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.0%	74.1%	58.0%	74.9%	67.3%	60.7%	62.9%	83.4%	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%	65.4%	65.3%	64.2%	84.5%	84.9%	93.9%	95.0%
70.5%	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%	61.4%	82.3%	66.6%	95.0%	81.7%	
	60.1%	69.7%	60.1%	53.5%	53.6%	59.4%	55.9%	71.6%	67.6%	
			OK	LA	MS	AL	GA			
			70.0%	60.2%	58.8%	61.9%	64.4%			
			56.0%	52.6%	50.9%	50.3%	53.7%			
HI			TX					FL		PR
86.3%			71.1%					78.1%		95.0%
77.2%			60.1%					66.0%		81.5%

The demographics of US vaccination



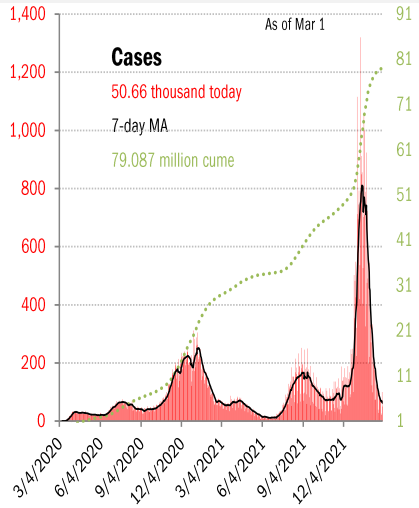


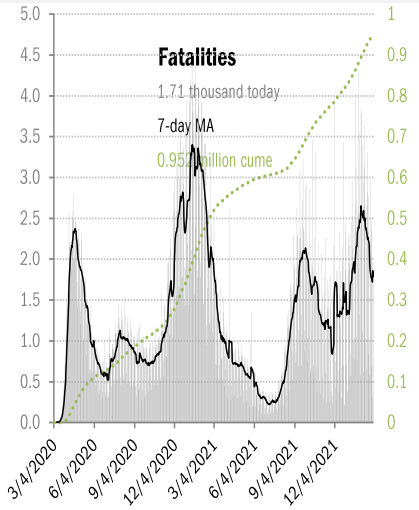


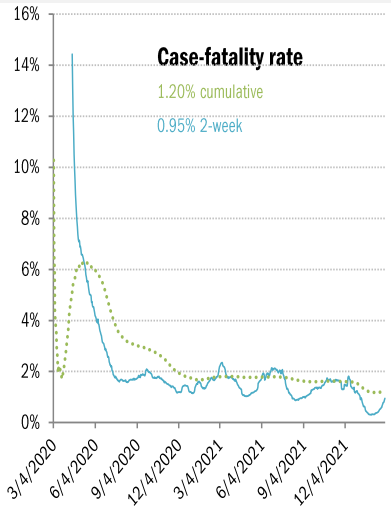
Source: CDC, CDC, Our World in Data, TrendMacro calculations

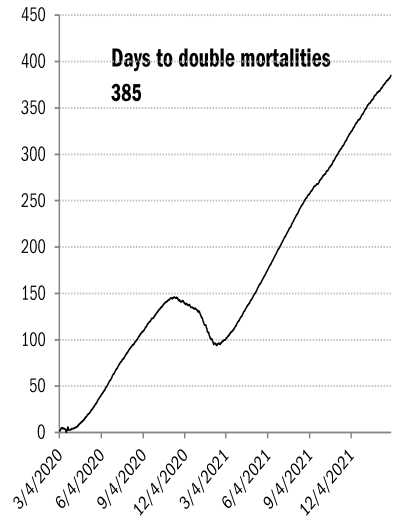
US deep-dive

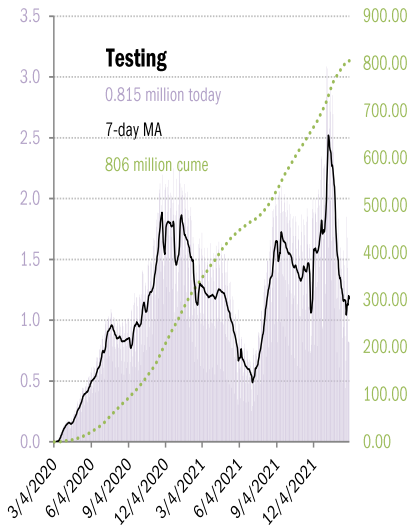
National and state-by-state data do not line up because of different sources

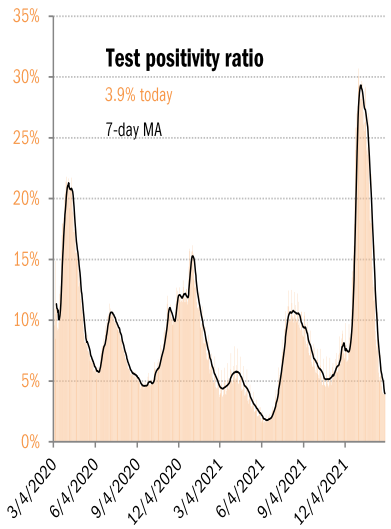


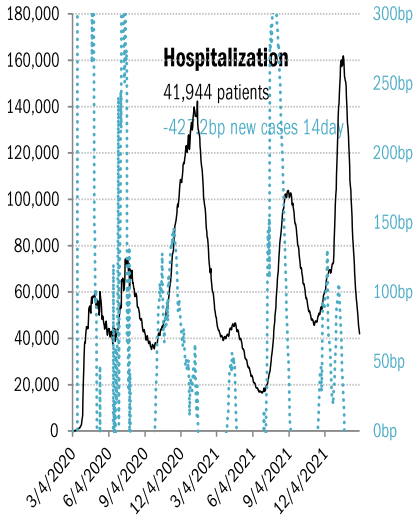


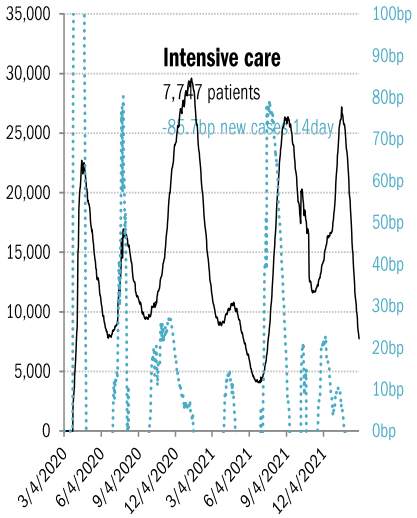


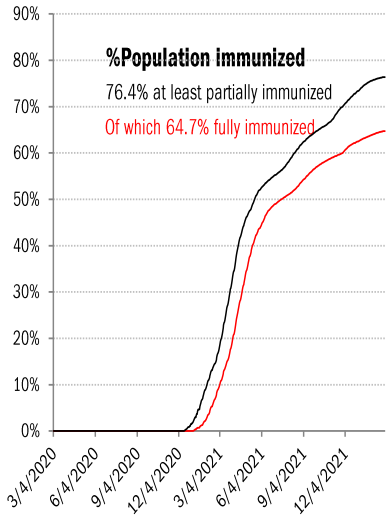










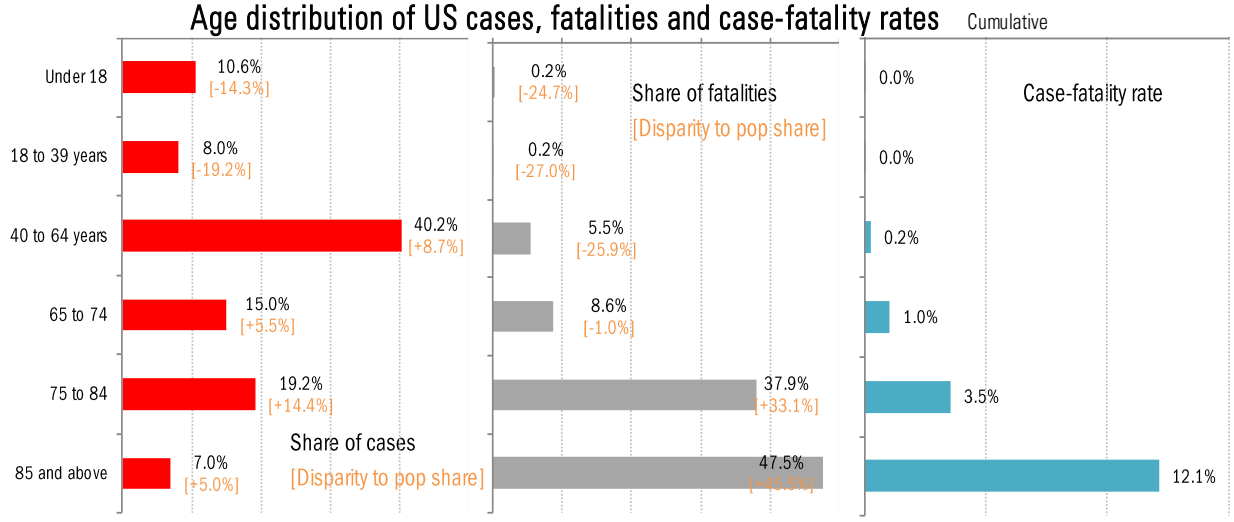


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

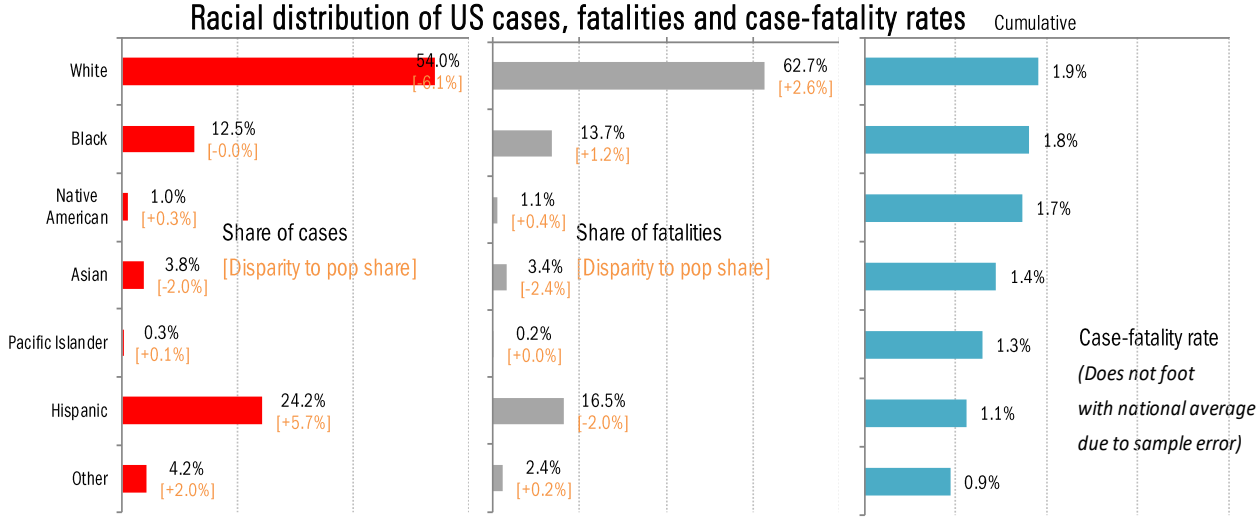
US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

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

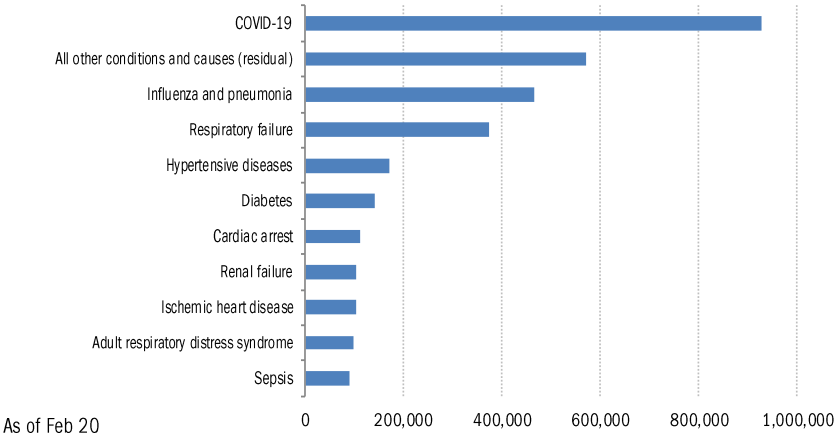


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Feb 20

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

Prioritizing Case Investigation and Contact Tracing for COVID-19
CDC
February 28, 2022

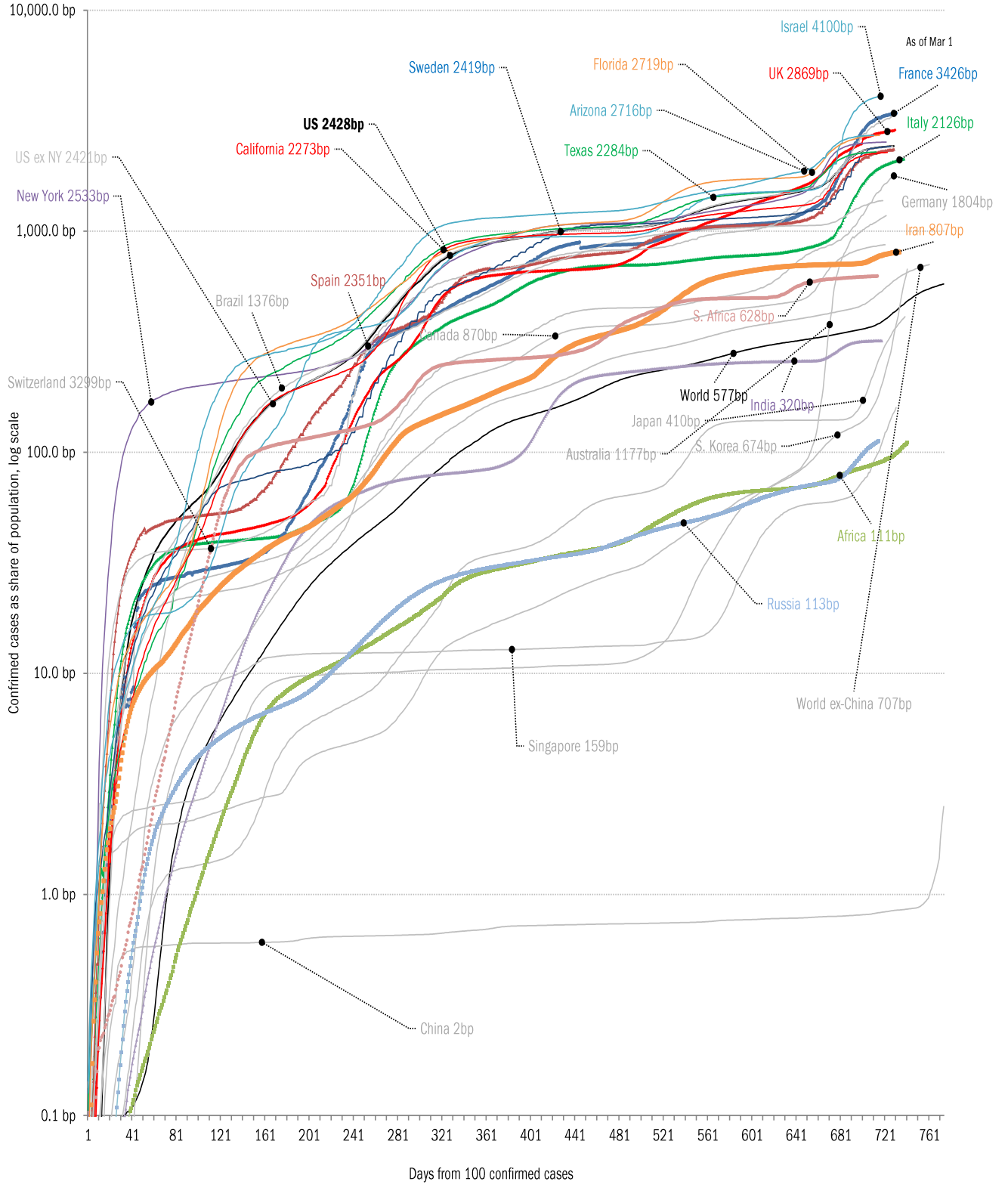
Flight Attendants Don't Want A Mask Mandate Anymore, Either
Gary Leff
View from the Wing
February 25, 2022

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

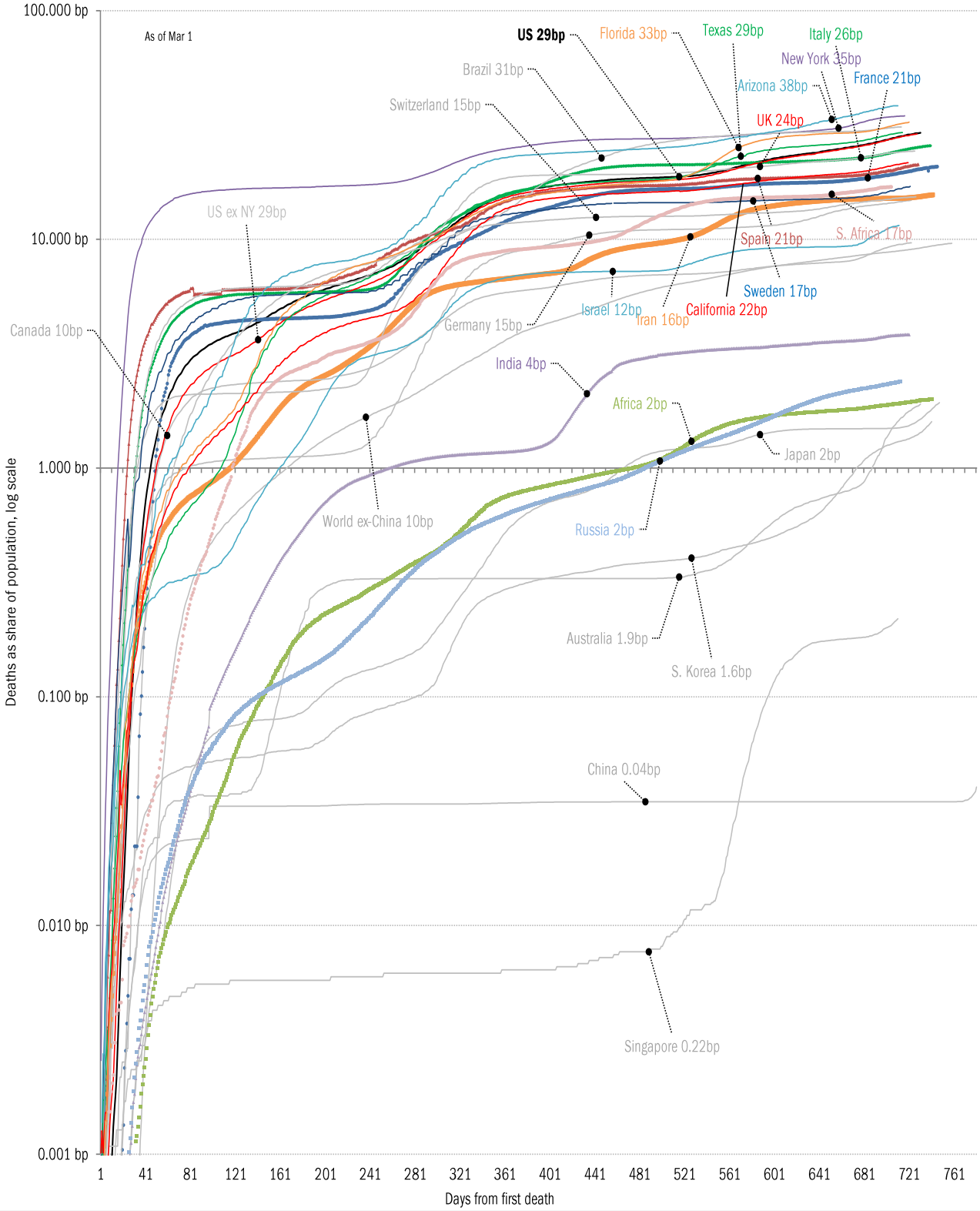
Share of infected population from first day with 100 confirmed cases, log scale



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

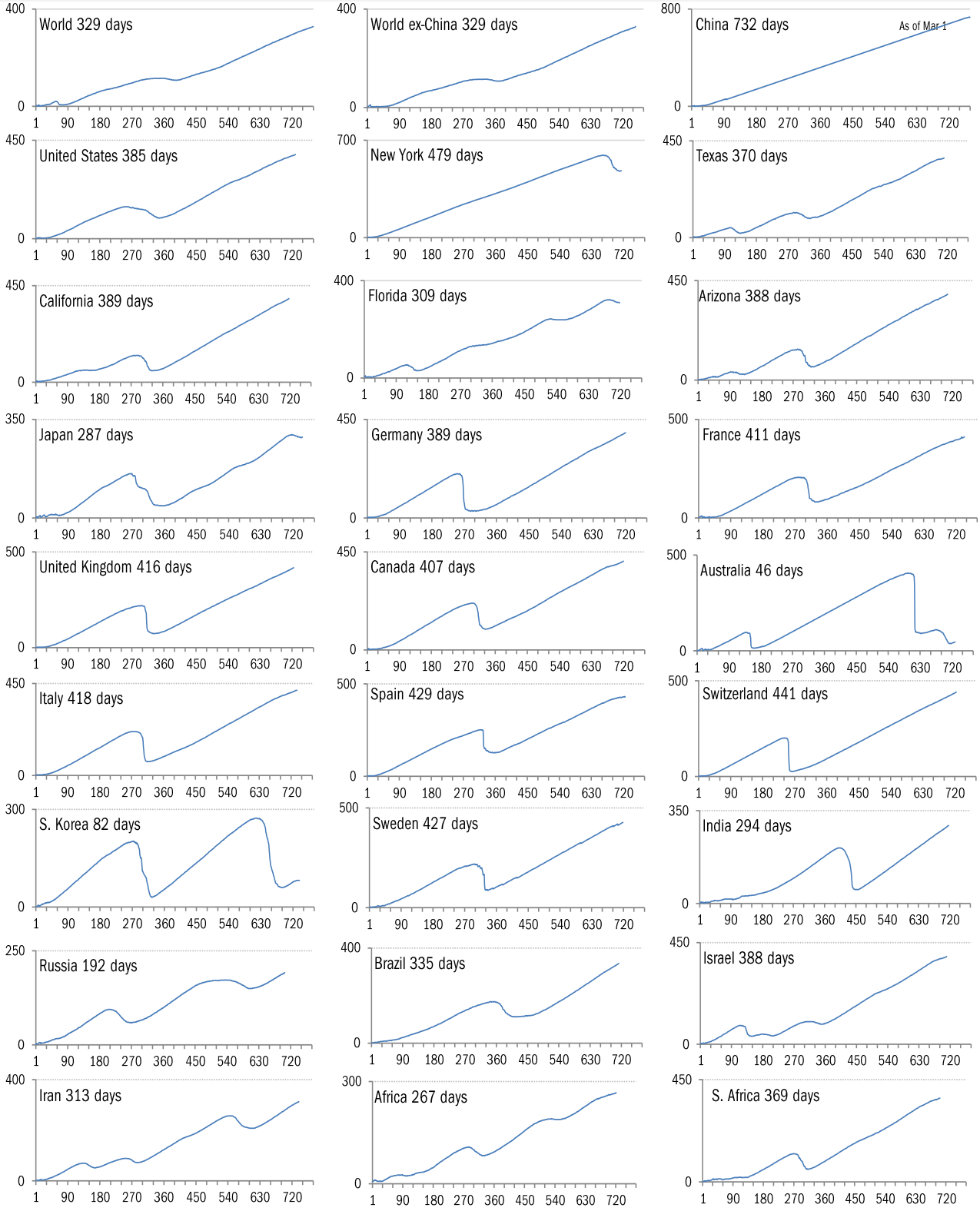


Source: Johns Hopkins, TrendMacro calculations

"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

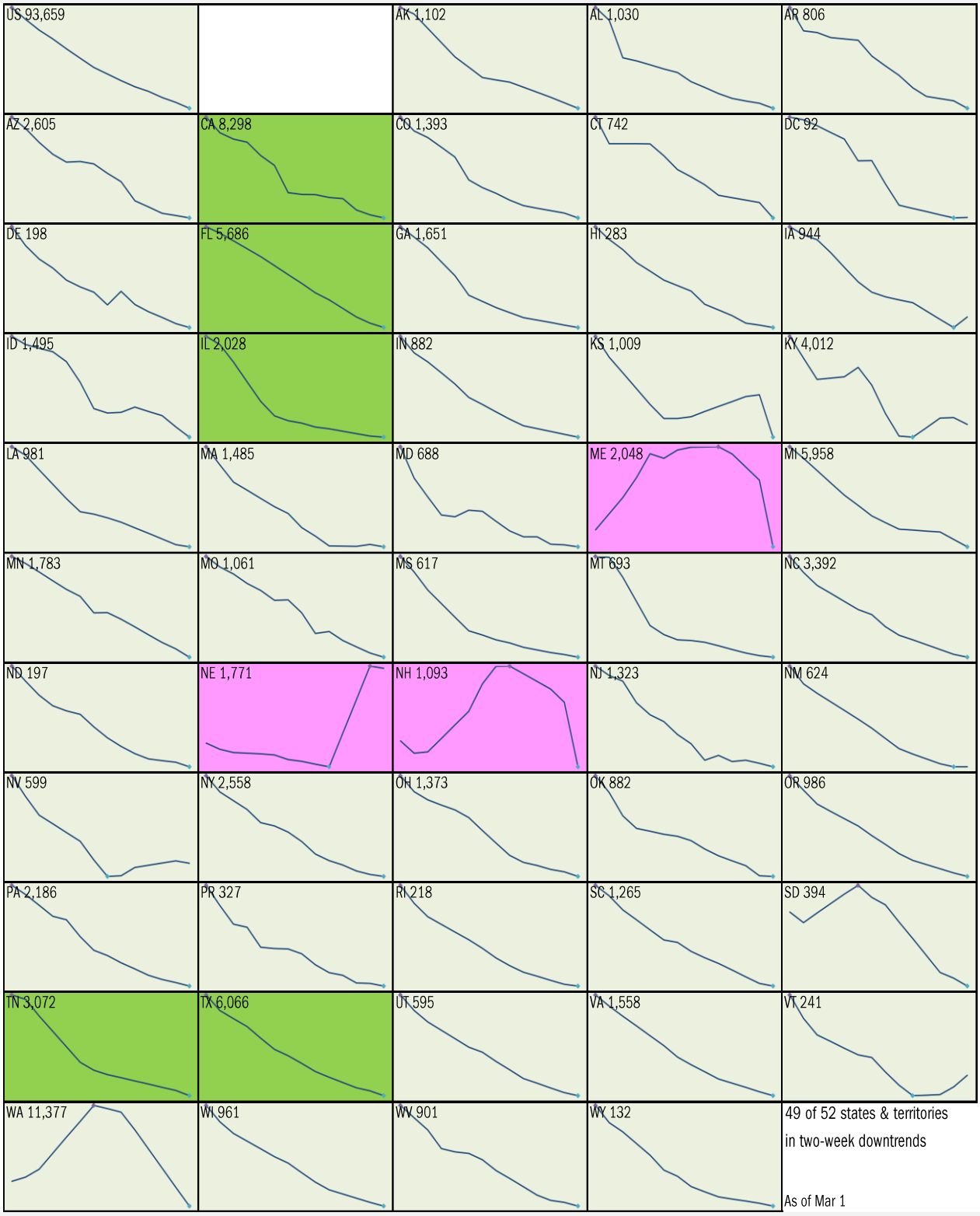


Source: Johns Hopkins, TrendMacro calculations

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

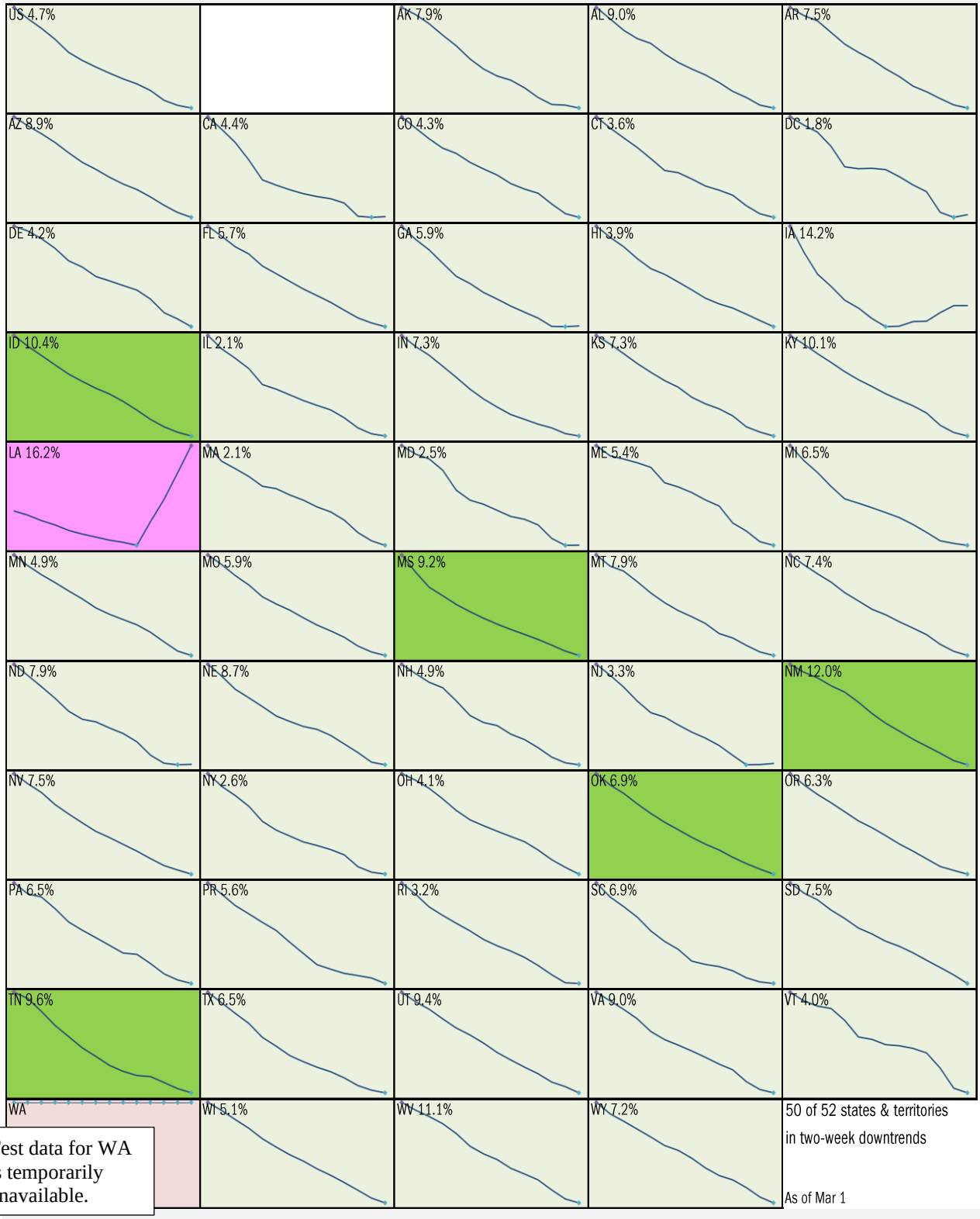


Source: Johns Hopkins, TrendMacro calculations

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

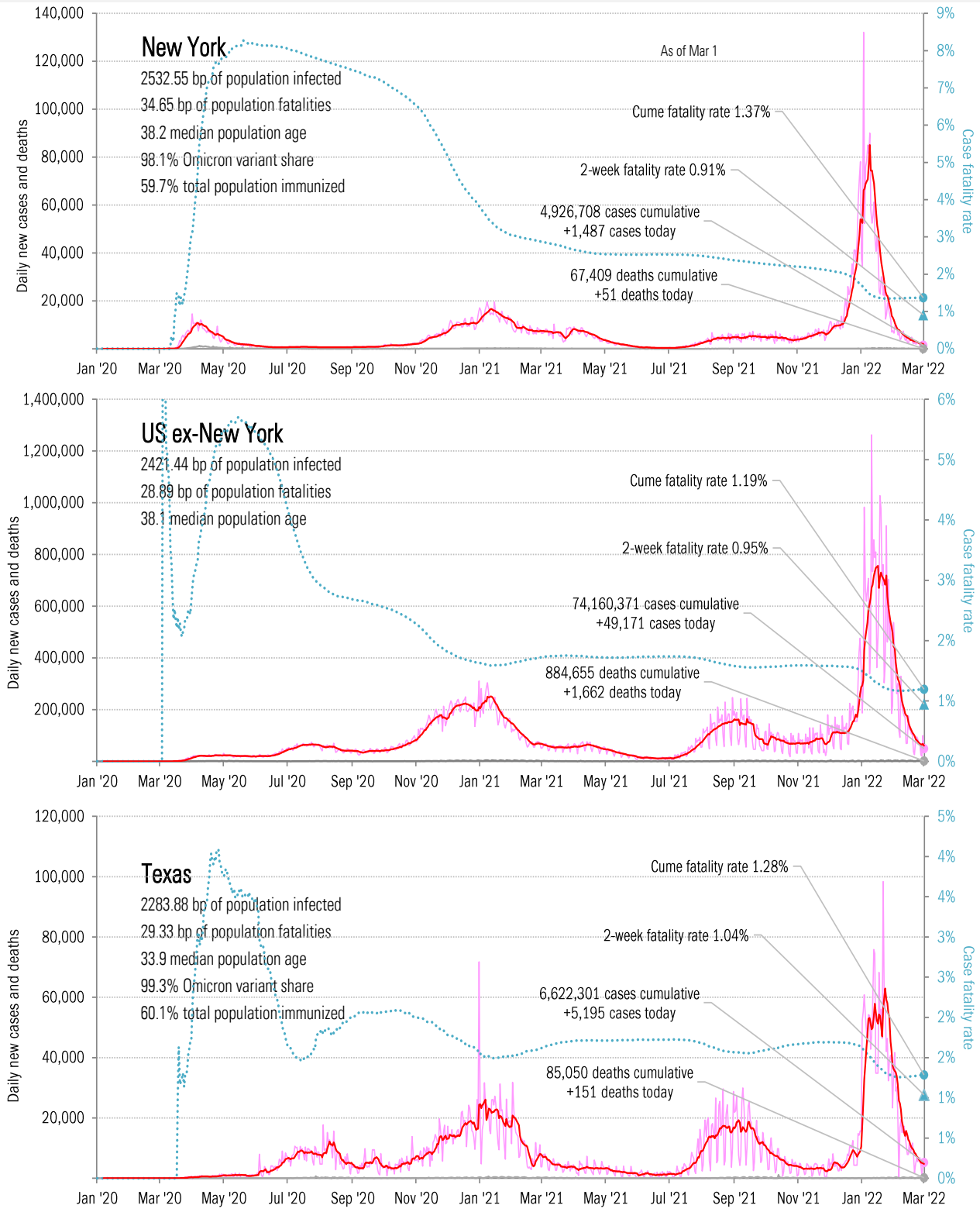


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

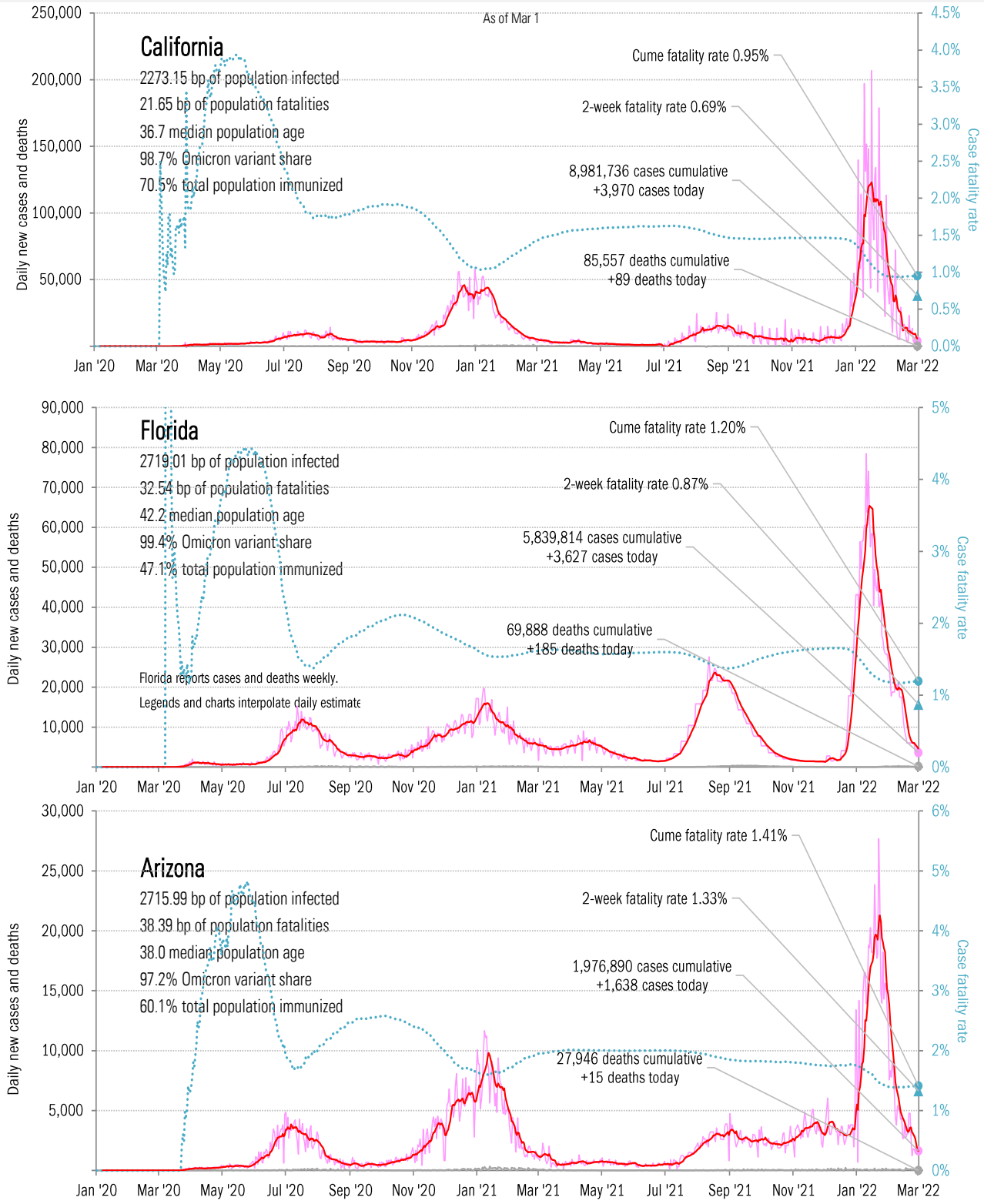
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

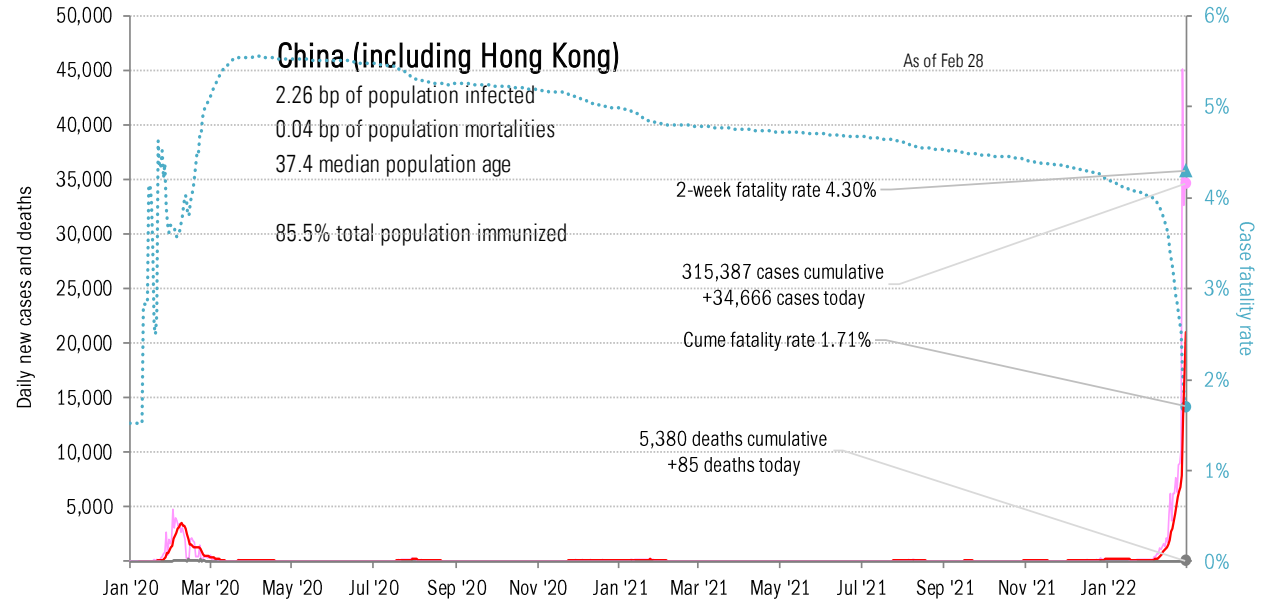
Cases: 7-day average and daily Deaths: Daily

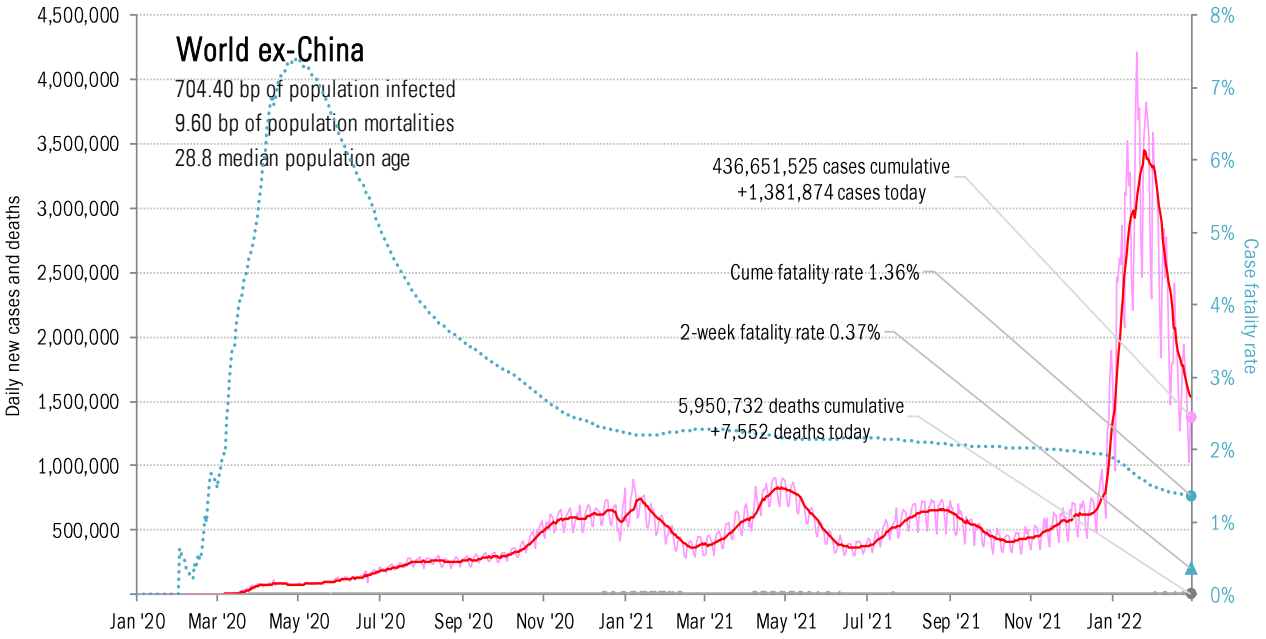


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

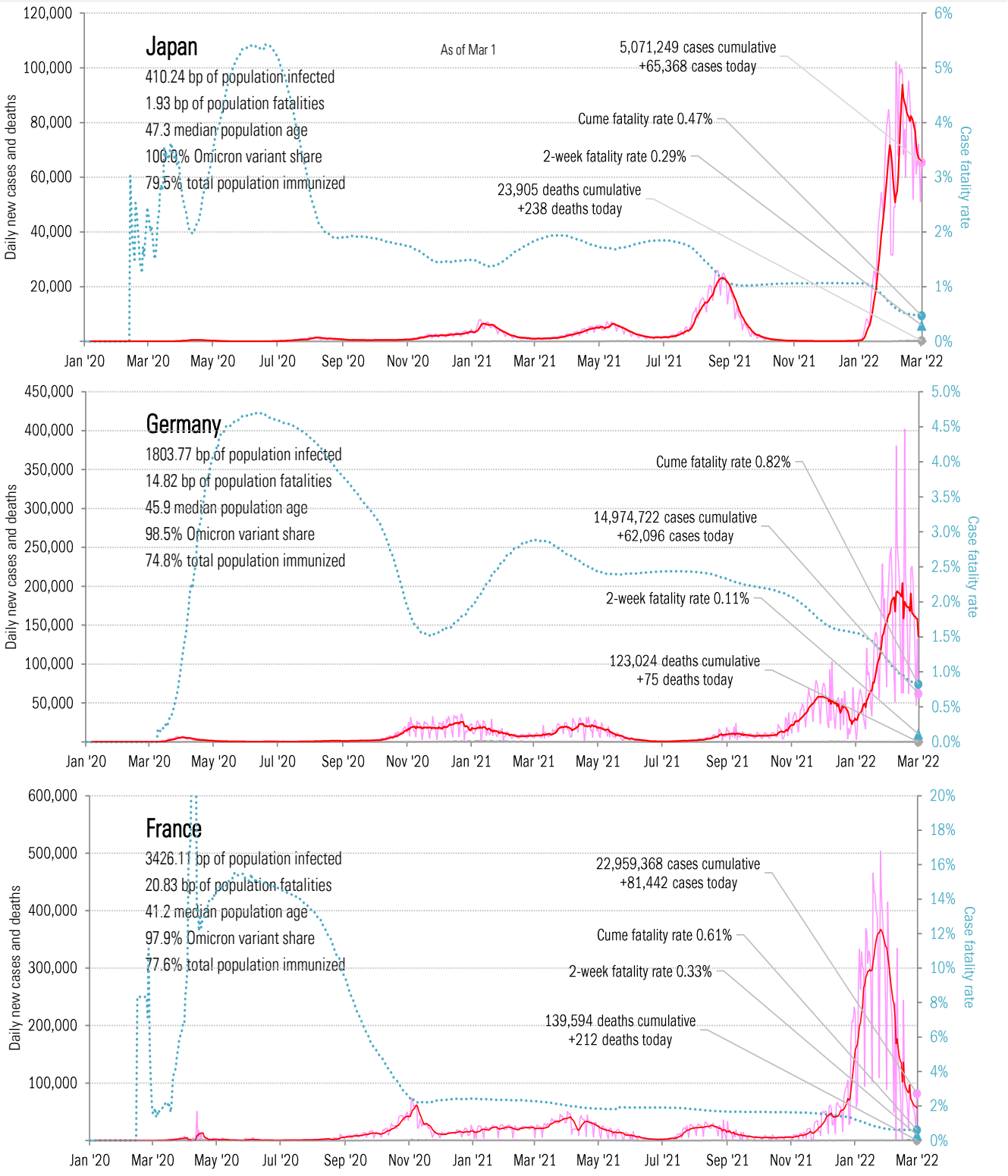




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

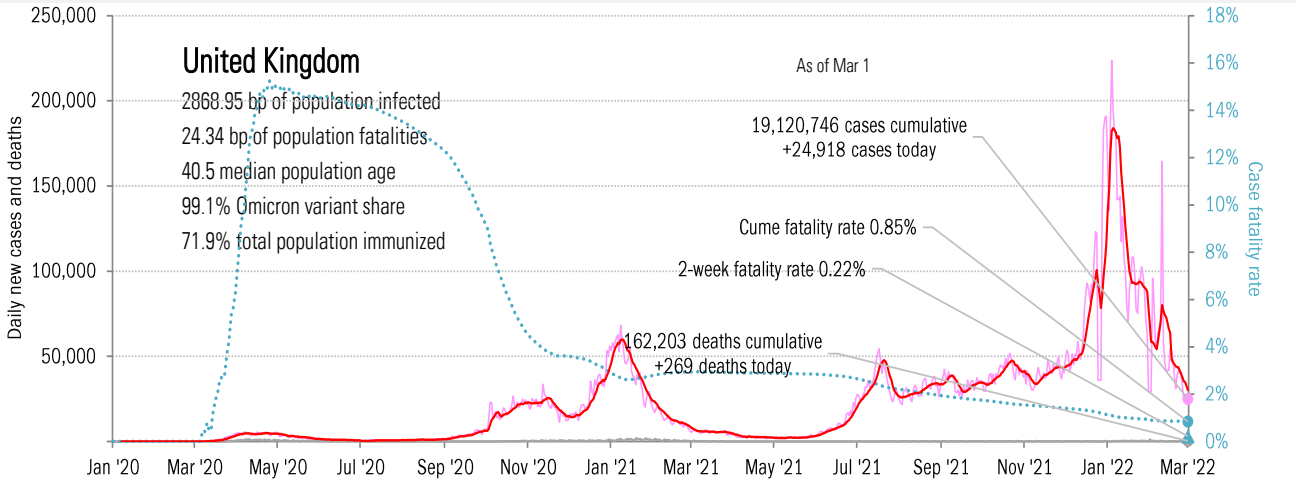
Cases: 7-day average and daily Deaths: Daily

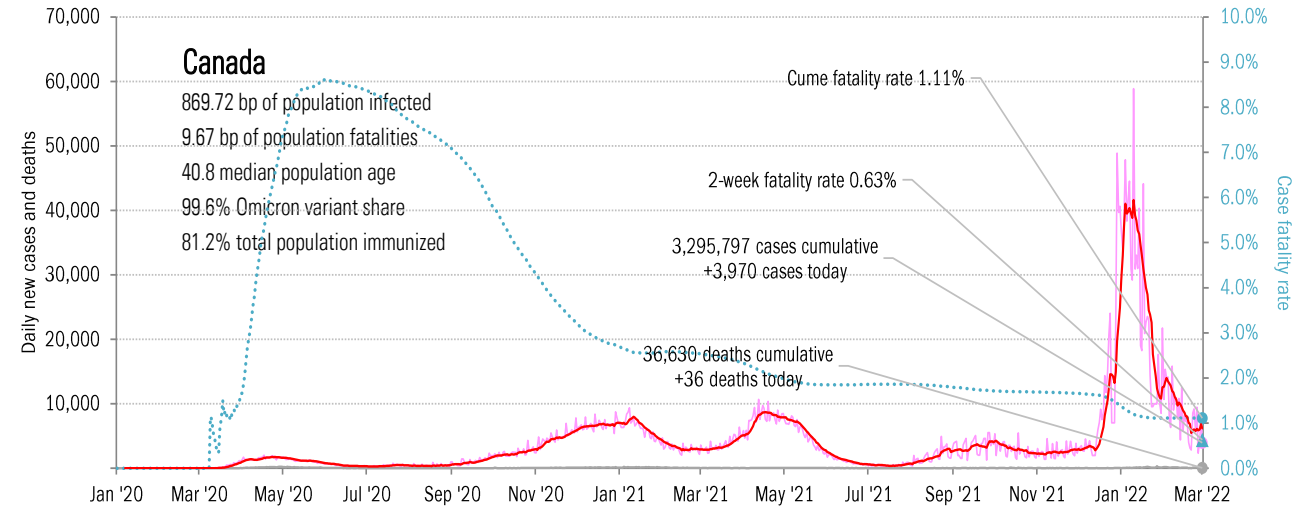


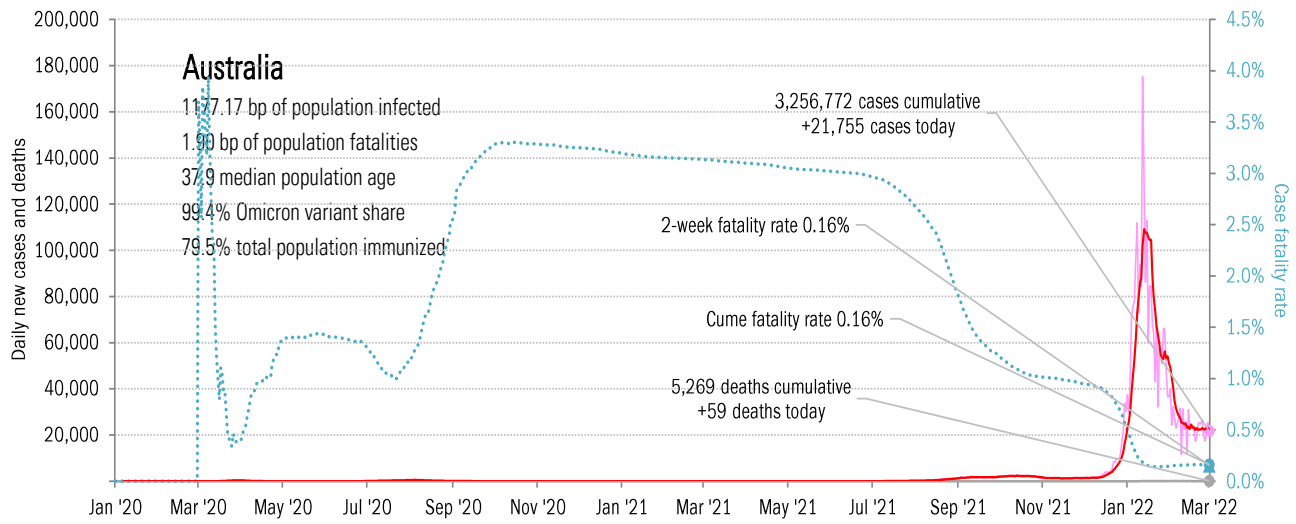
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily



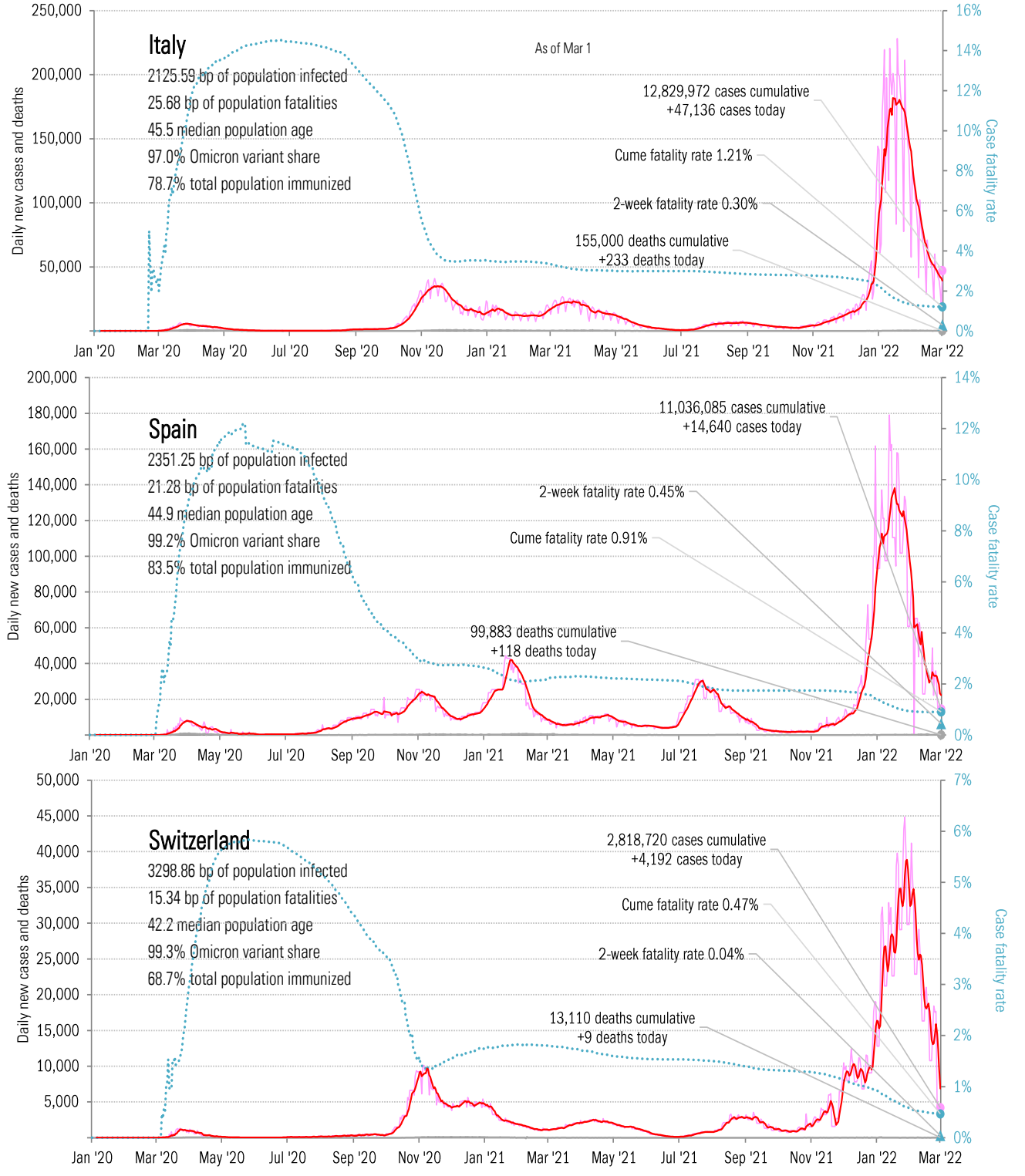




Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

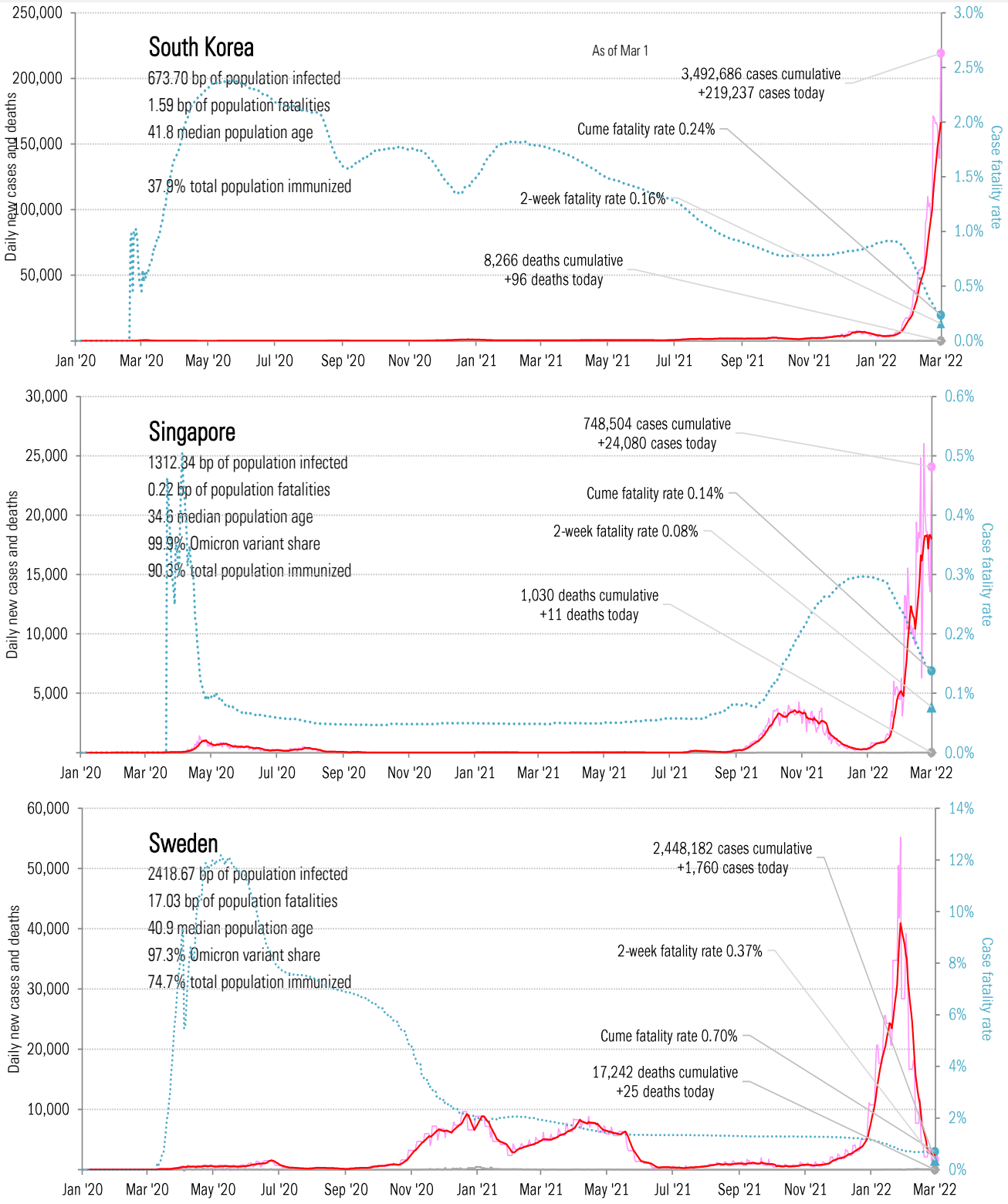
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

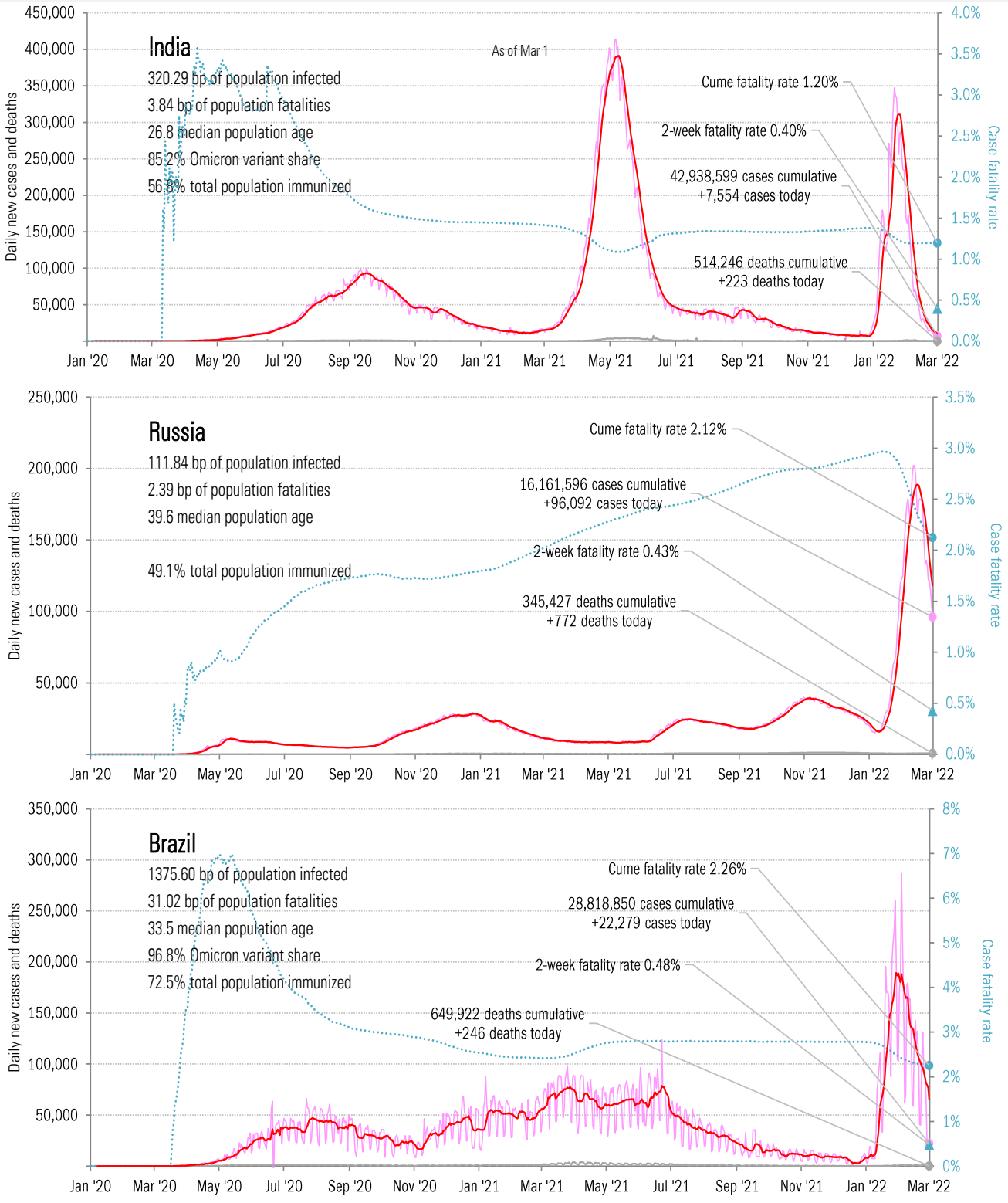
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

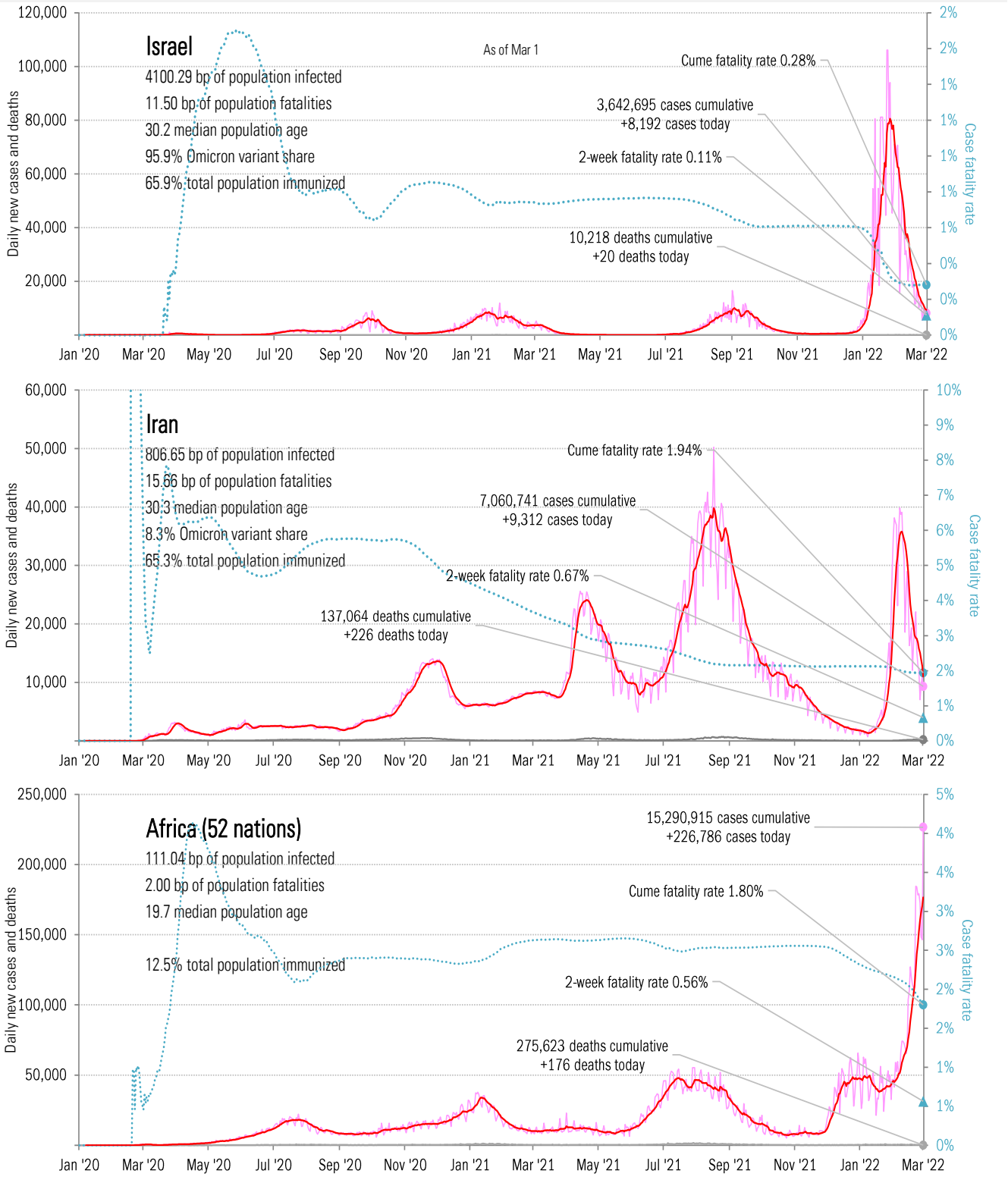
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

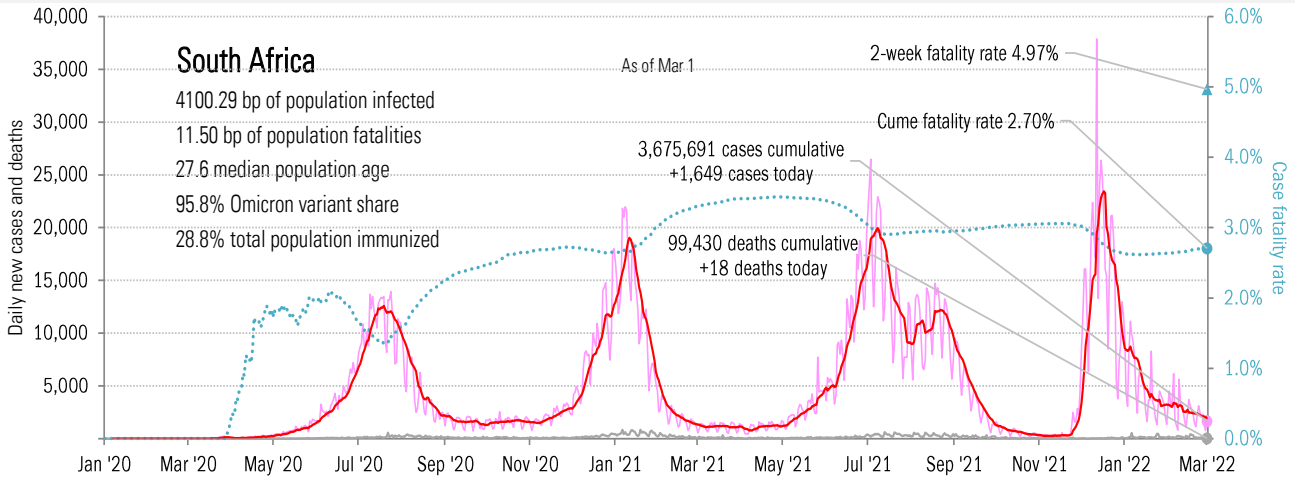
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations