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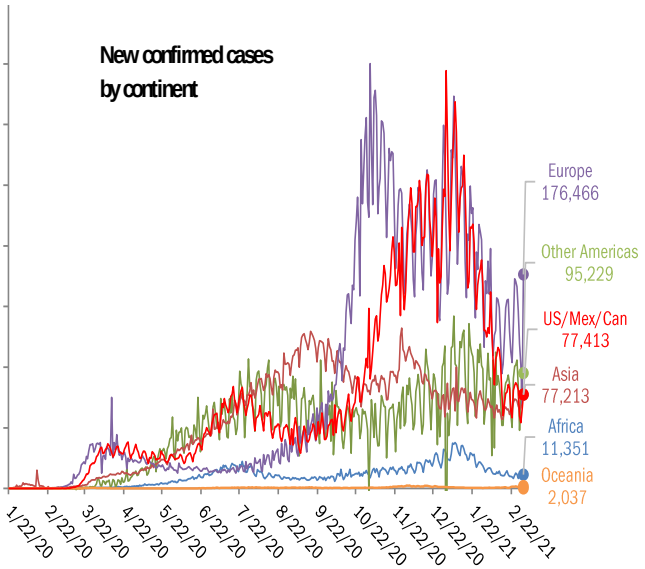
Data Insights: Covid-2019 Monitor

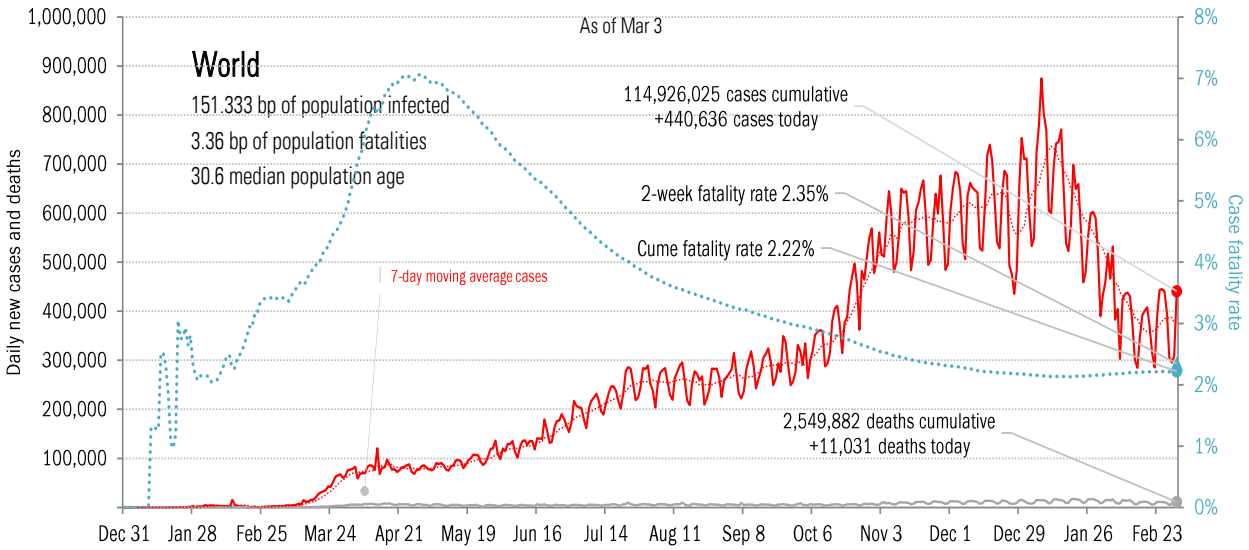
Thursday, March 4, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+71,704	United States	+2,449
United States	+66,836	Brazil	+1,910
France	+26,903	Mexico	+857
Italy	+20,840	United Kingdom	+487
India	+17,407	Spain	+446
Czechia	+16,816	Russia	+443
Poland	+15,698	Germany	+359
Turkey	+11,520	Poland	+352
Germany	+10,852	Italy	+347
Russia	+10,416	France	+322
	+268,992		+7,972
World	+440,636	World	+11,031
Top ten	61%	Top ten	72%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
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The US scorecard

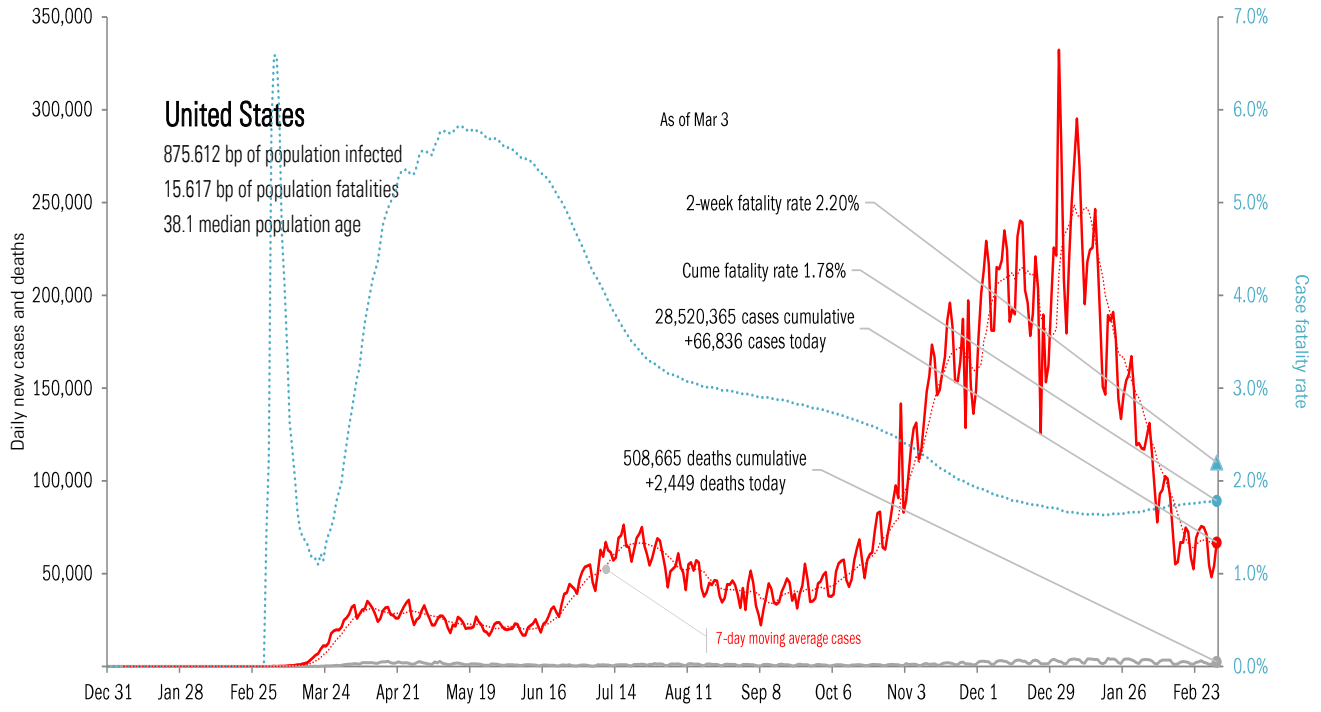
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	+7,822	VA	+383	TN	+42	CA	3,484,963	CA	52,775	NY	89,995	RI	92%	AL	82%
NY	+7,704	TX	+297	CT	+38	TX	2,663,414	TX	43,563	FL	81,278	MA	80%	MO	81%
FL	+5,860	CA	+278	KS	+38	FL	1,888,725	NY	38,735	NJ	64,050	FL	79%	TX	81%
NJ	+3,691	MO	+216	IL	+29	NY	1,650,184	FL	31,829	AZ	57,697	PA	79%	FL	79%
CA	+3,352	GA	+145	OR	+26	IL	1,191,520	PA	24,169	GA	56,369	CT	79%	GA	79%
GA	+2,735	FL	+133	MS	+12	GA	1,014,542	NJ	23,449	OH	50,613	SC	78%	DE	79%
AL	+2,733	NJ	+128	UT	+10	OH	972,605	IL	22,853	AL	45,723	DC	77%	DC	79%
PA	+2,577	NC	+75	PR	+7	PA	938,411	GA	17,625	IN	42,955	MD	77%	OK	77%
NC	+2,145	NY	+75	VA	+7	NC	865,554	OH	17,189	MD	35,223	GA	76%	MS	77%
IL	+2,104	KS	+73	NJ	+6	AZ	819,954	MI	16,550	WI	26,279	MO	76%	NM	76%
	+40,723		+1,803		+215		15,489,872		288,737		550,182				
All states	+66,836		+2,449		-926	All states	28,520,365		508,665		873,073	All states	71%		70%
Top ten	61%		74%		-23%	Top ten	54%		57%		63%	Median	70%		68%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-1,187	OK	-56	TX	-169	AL	+10,560
GA	-412	AZ	-52	MI	-143	TX	+8,407
LA	-267	CA	-25	NY	-108	LA	+7,491
WA	-202	MS	-24	CA	-85	OH	+1,699
NE	-138	IA	-23	NC	-84	IA	+1,546

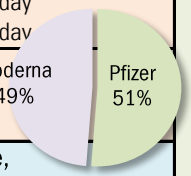


Source: Covid Tracking Project, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day
107.03 million doses distributed	+4.67 million/day
80.54 million doses administered	+1.91 million/day
52.86 million persons with one shot	+1.10 million/day
26.96 million persons with two shots	+0.80 million/day
7.22 million shots long-term care residents/staff	+0.04 million/day

75.3% of distributed doses administered
15.9% of US pop 1 shot **8.1% 2 shots**
100% of LTC 1 shot **56.0% 2 shots**



At today's dosing pace, every American will have two in
302 days
by Dec 29, 2021

US will achieve herd immunity in
134 days
by Jul 15, 2021

Share pop full immunization	
United States	8.1%
United Kingdom	1.3%
France	2.5%
Spain	2.8%
Germany	2.7%
Italy	2.5%
Australia	0.7%
Israel	41.3%
Canada	1.5%
Japan	2.5%
China	1.1%
India	0.2%
Brazil	1.0%

State	
Doses distributed as % population	Best
One shot received as % population	Middle
Two shots received as % population	Worst

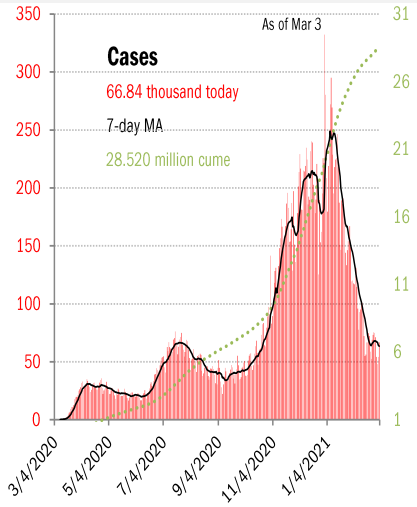
AK					WI				VT	ME
54.6%					32.0%				37.0%	34.6%
23.3%					17.2%				17.7%	17.1%
14.0%					9.3%				9.5%	8.1%
WA	ID	MT	ND	MN	IL	MI		NY	MA	NH
33.1%	29.4%	34.7%	35.4%	32.2%	31.0%	31.5%		33.1%	33.3%	33.5%
15.9%	15.1%	18.2%	19.8%	17.6%	16.7%	15.6%		15.2%	19.0%	18.3%
8.7%	7.9%	9.1%	10.6%	8.7%	7.1%	8.8%		7.9%	8.1%	7.6%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
31.7%	31.1%	37.5%	40.4%	31.2%	31.0%	31.5%	33.4%	31.3%	36.7%	33.2%
15.8%	15.2%	17.9%	21.5%	17.7%	15.4%	15.3%	15.8%	17.5%	20.7%	19.1%
8.9%	8.0%	9.9%	11.0%	6.2%	9.0%	8.3%	7.1%	8.8%	8.7%	7.7%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
32.3%	28.4%	32.1%	33.9%	30.1%	32.1%	36.4%	32.4%	33.8%	33.6%	
16.9%	13.2%	16.6%	16.7%	14.6%	16.5%	18.0%	16.8%	16.0%	15.4%	
7.6%	6.1%	8.7%	8.7%	7.4%	8.3%	11.7%	9.1%	8.8%	8.3%	
	AZ	NM	KS	AR	TN	NC	SC	DC		
	32.9%	39.2%	34.5%	32.0%	29.9%	31.3%	28.9%	43.9%		
	17.5%	23.1%	15.5%	14.7%	13.8%	15.9%	14.9%	12.3%		
	8.3%	12.4%	7.6%	8.1%	7.1%	8.6%	7.3%	6.1%		
			OK	LA	MS	AL	GA			
			39.2%	31.9%	31.7%	30.0%	29.7%			
			18.2%	15.0%	14.7%	13.8%	12.1%			
			10.4%	8.4%	7.8%	7.1%	7.3%			
HI			TX					FL		PR
39.3%			30.0%					33.1%		35.6%
17.9%			13.3%					15.1%		11.5%
10.4%			7.2%					8.4%		6.4%

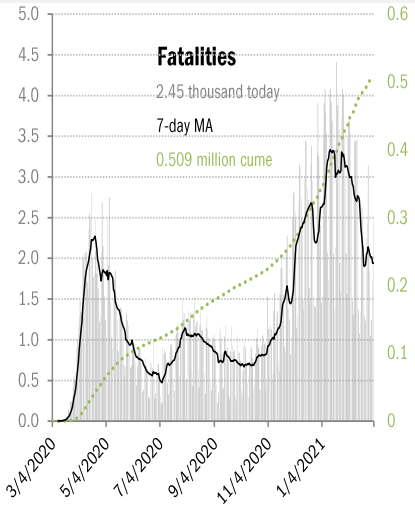
As of Mar 3

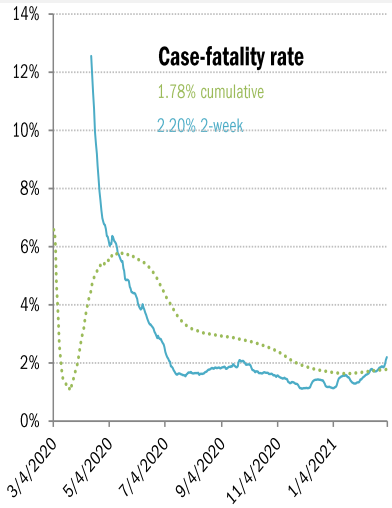
Source: CDC, CDC, Our World in Data, TrendMacro calculations

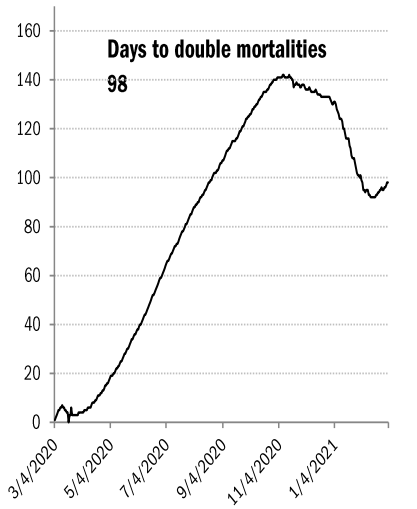
US deep-dive

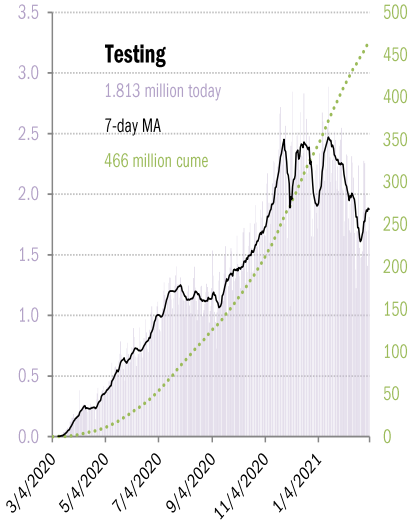
National and state-by-state data do not line up because of different sources

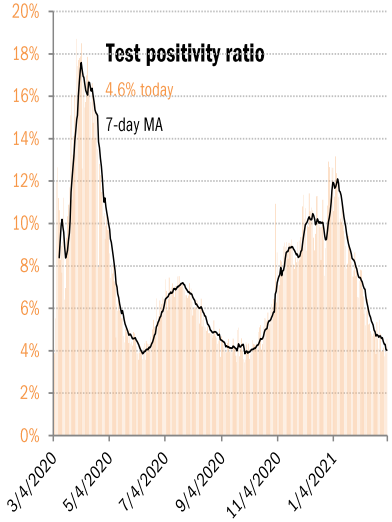


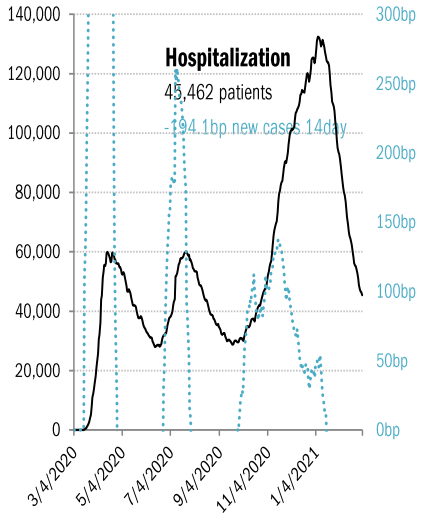


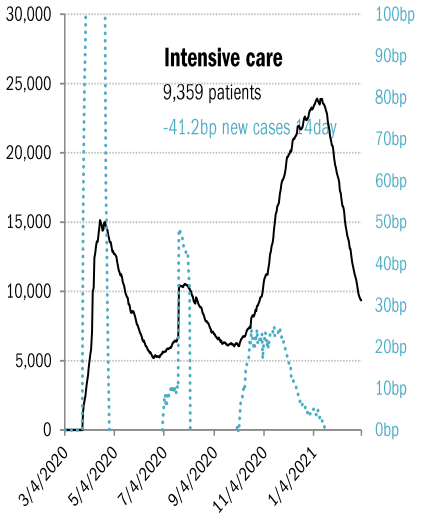


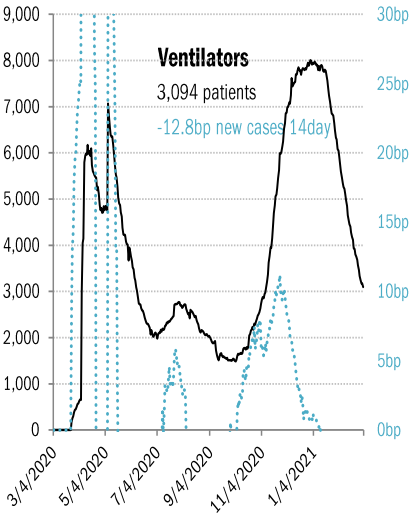






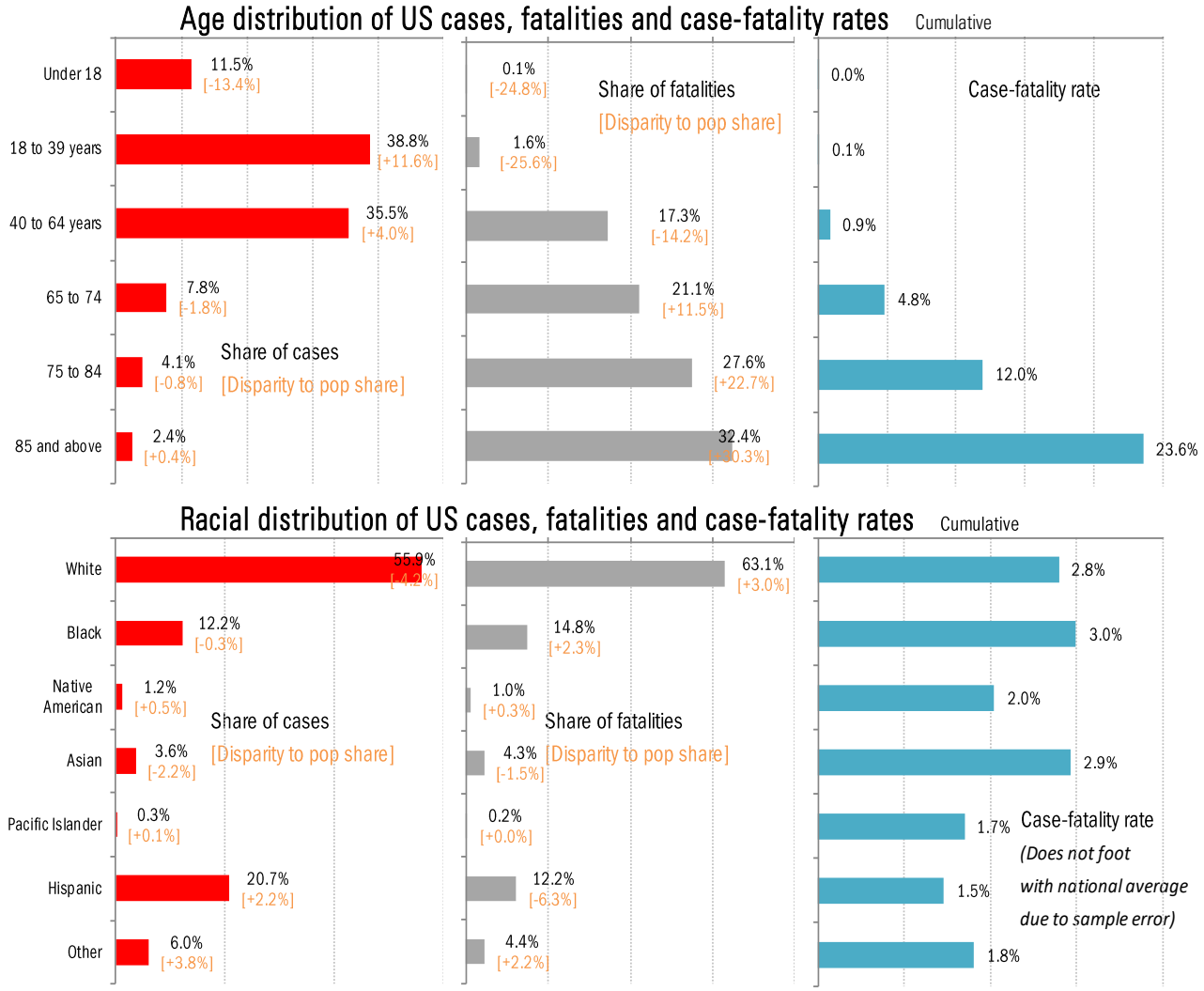




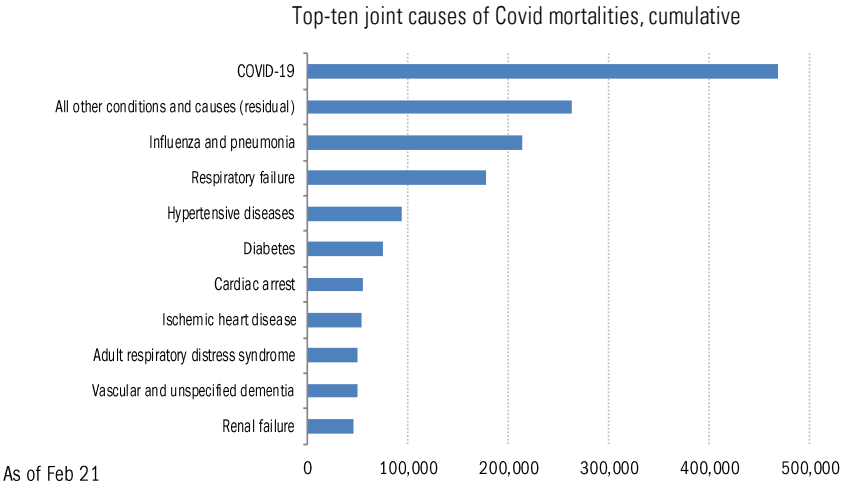


Source: Covid Tracking Project, TrendMacro calculations

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



Comorbidities



As of Feb 21

For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 3.8 additional conditions or causes per death.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

Biden Calls State Decisions to End Mask Mandates 'Neanderthal Thinking'
Maria Jimenez Moya, Campbell Robertson, Erin Coulehan and James Dobbins
New York Times
March 3, 2021

Canada GDP Collapse Reveals How Trudeau's Debt Binge Went Awr
Theophilos Argitis
Bloomberg
March 2, 2021

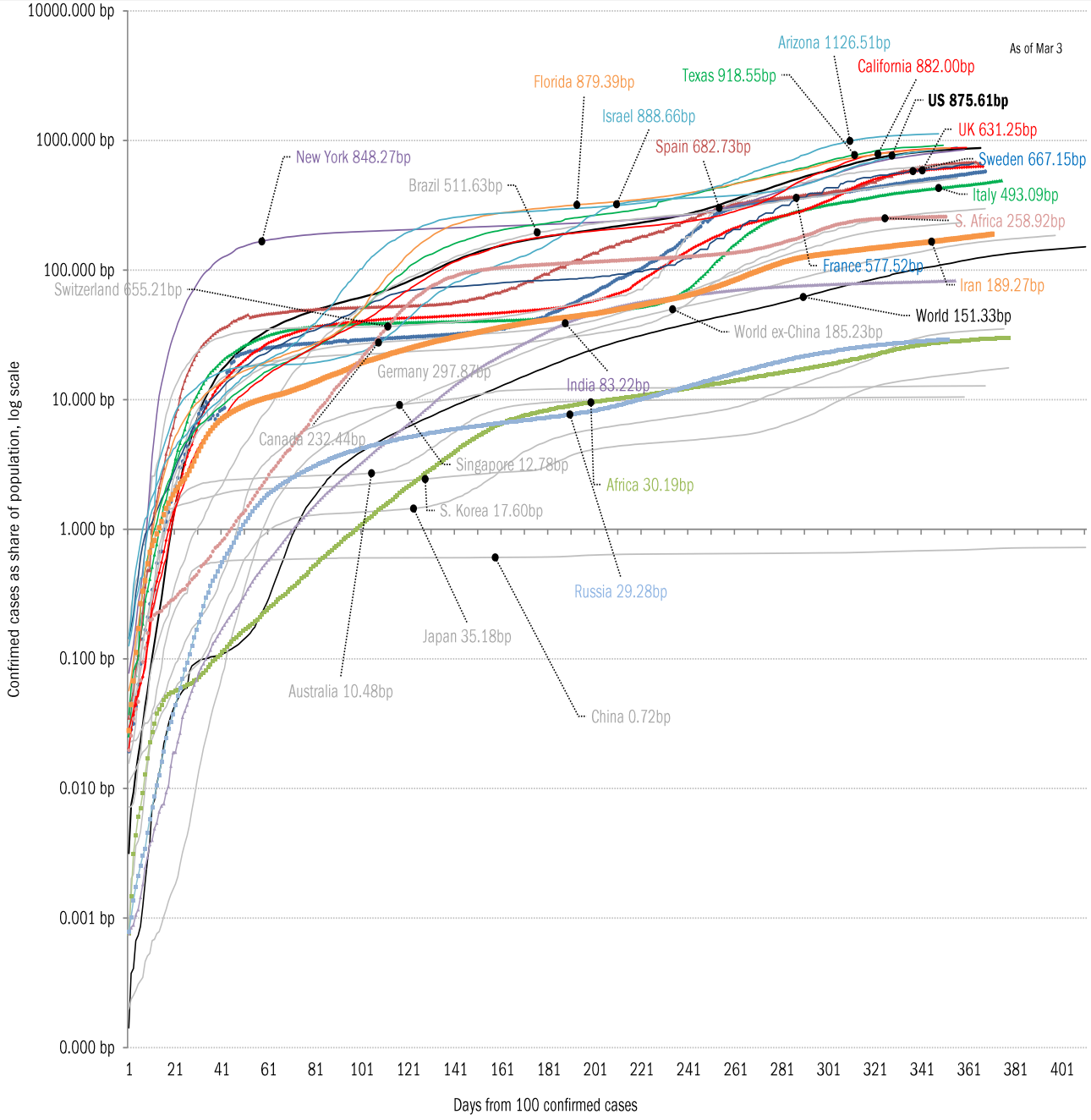
Will Fish Sauce and Charred Oranges Return the World Covid Took From Me?
Tejal Rao
New York Times
March 2, 2021

Meme of day

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

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

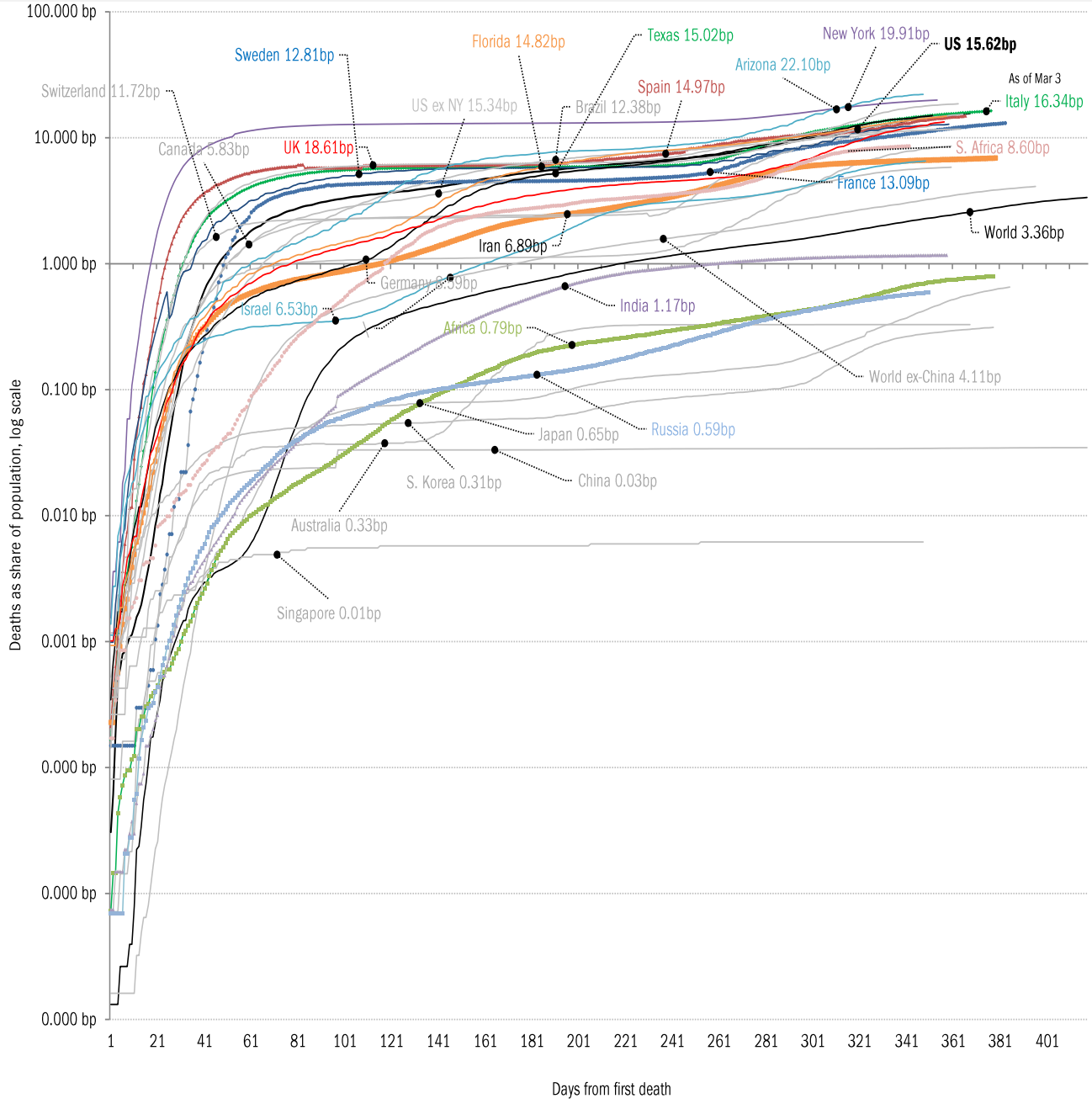
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

The coronavirus mortality accelerometer … tracking the world's fatality curves

Share of deceased population from day of first fatality

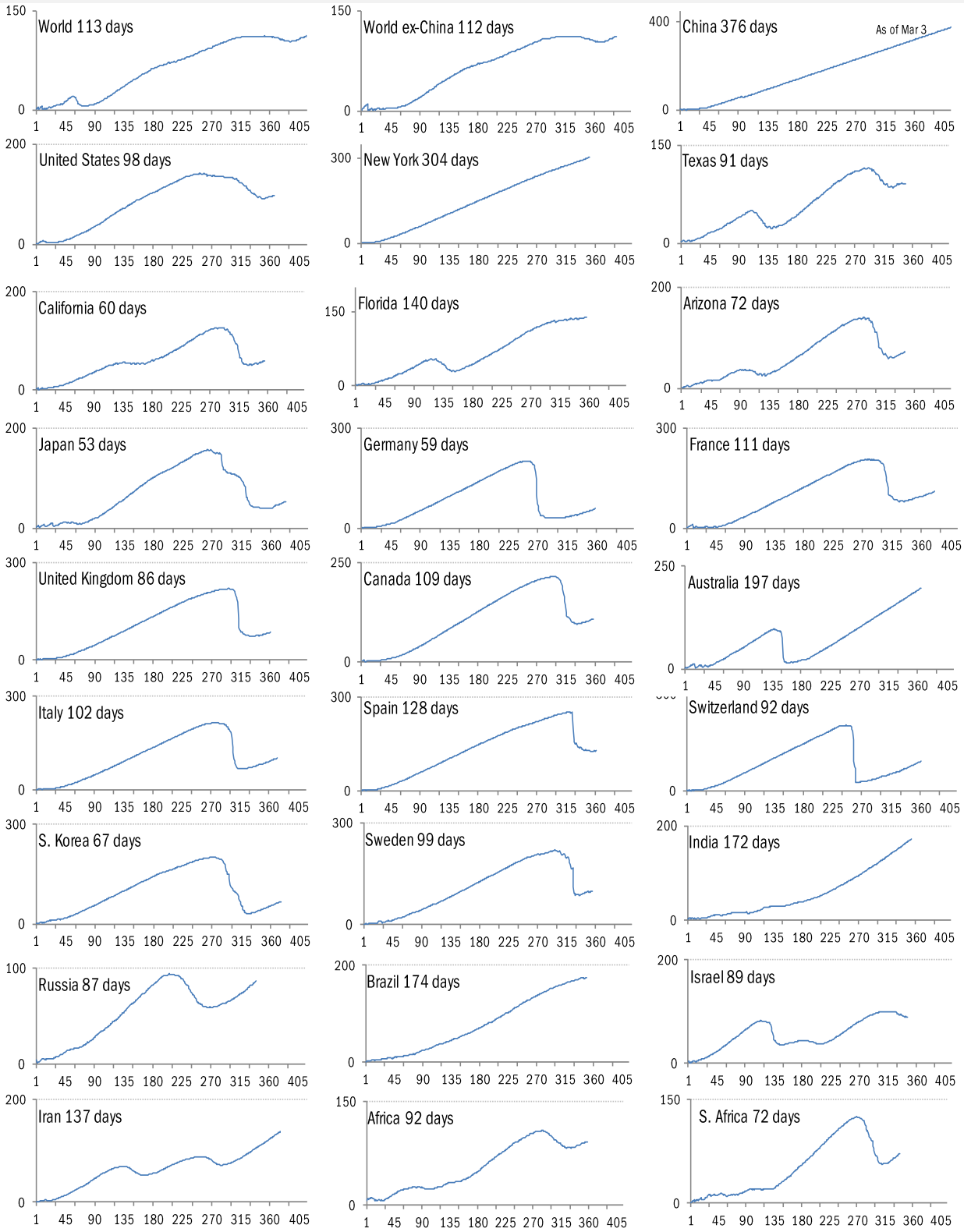


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

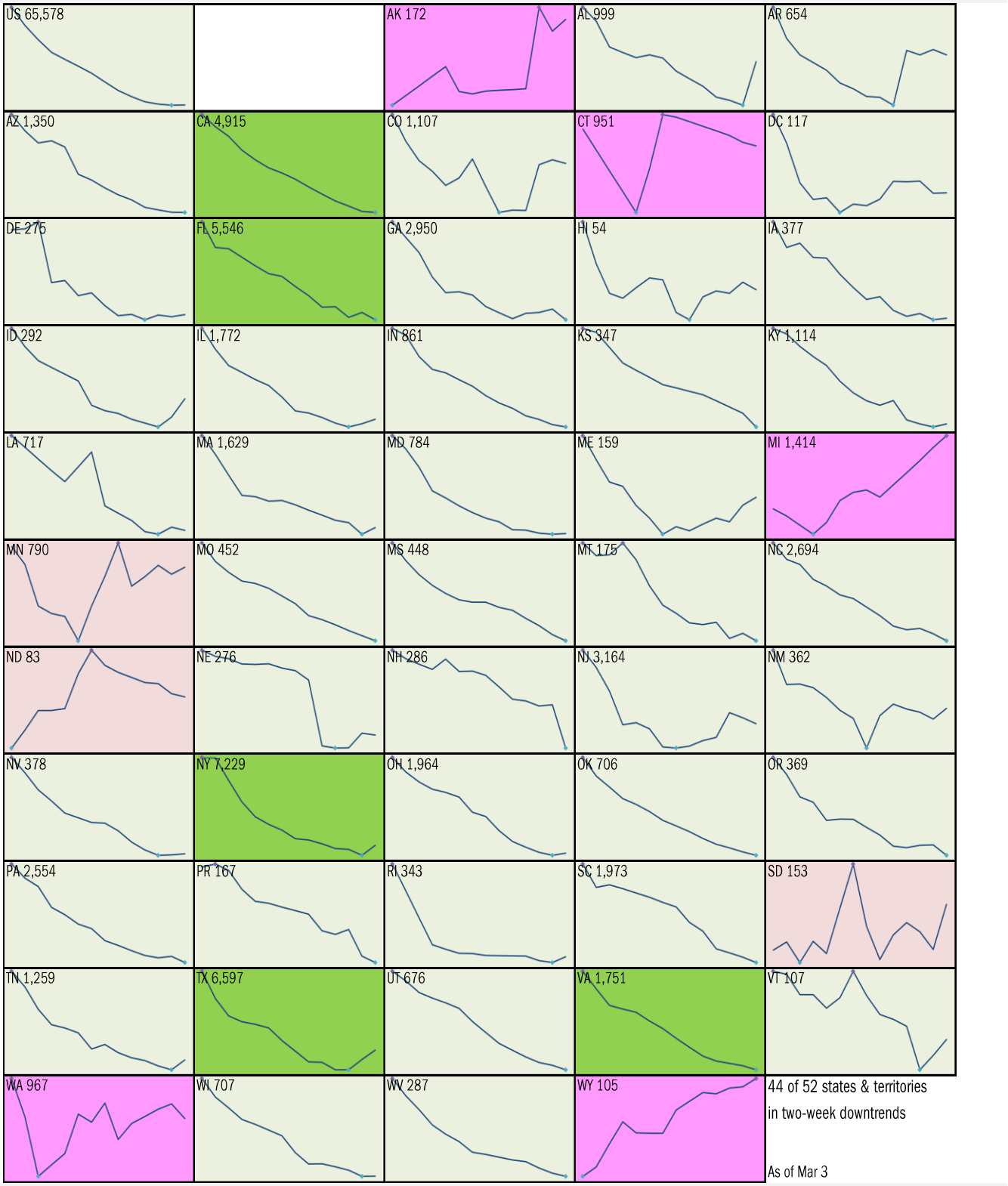


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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: Covid Tracking Project, TrendMacro calculations

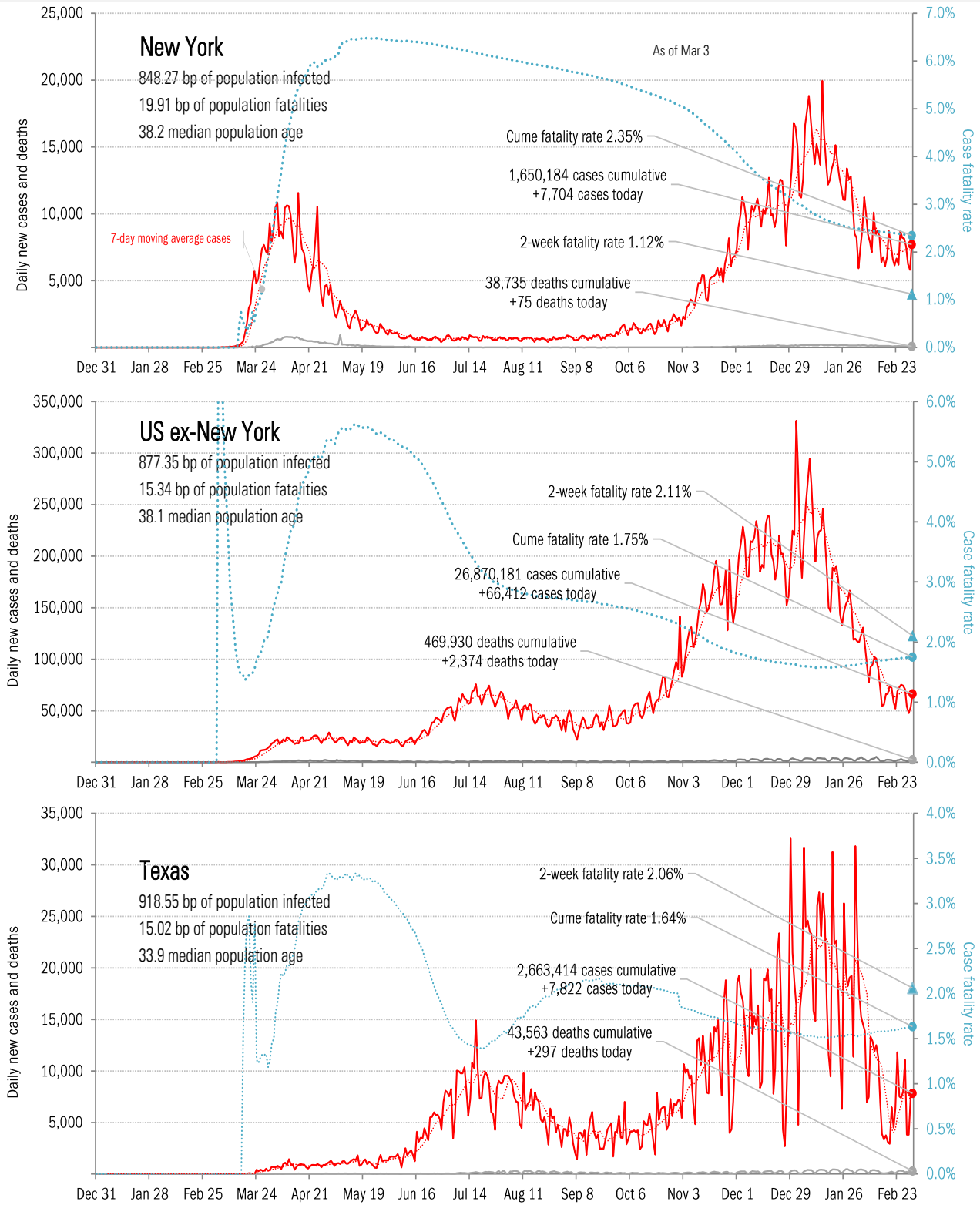
Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

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

Downward trajectory Five best Upward trajectory Five worst

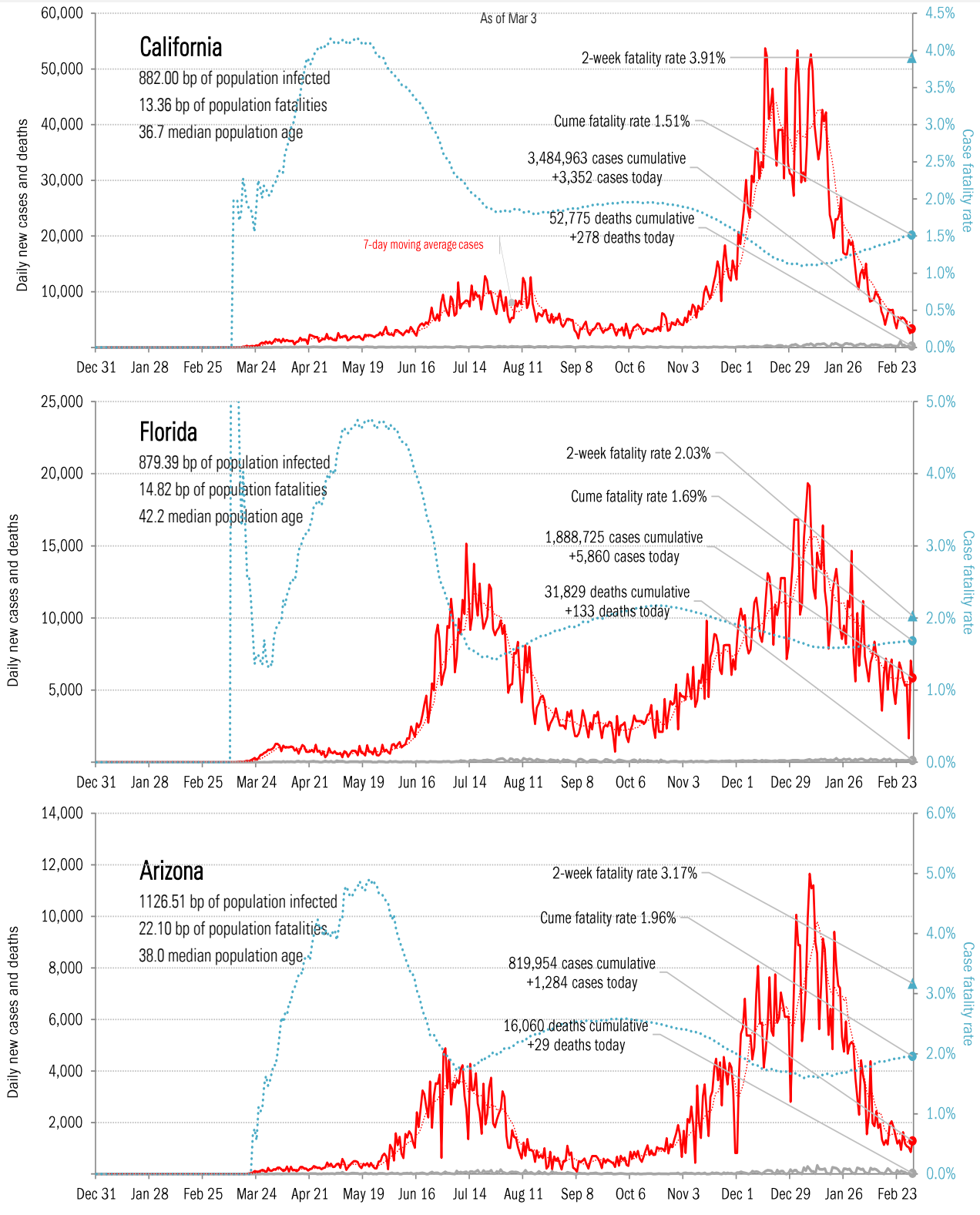
Source: Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



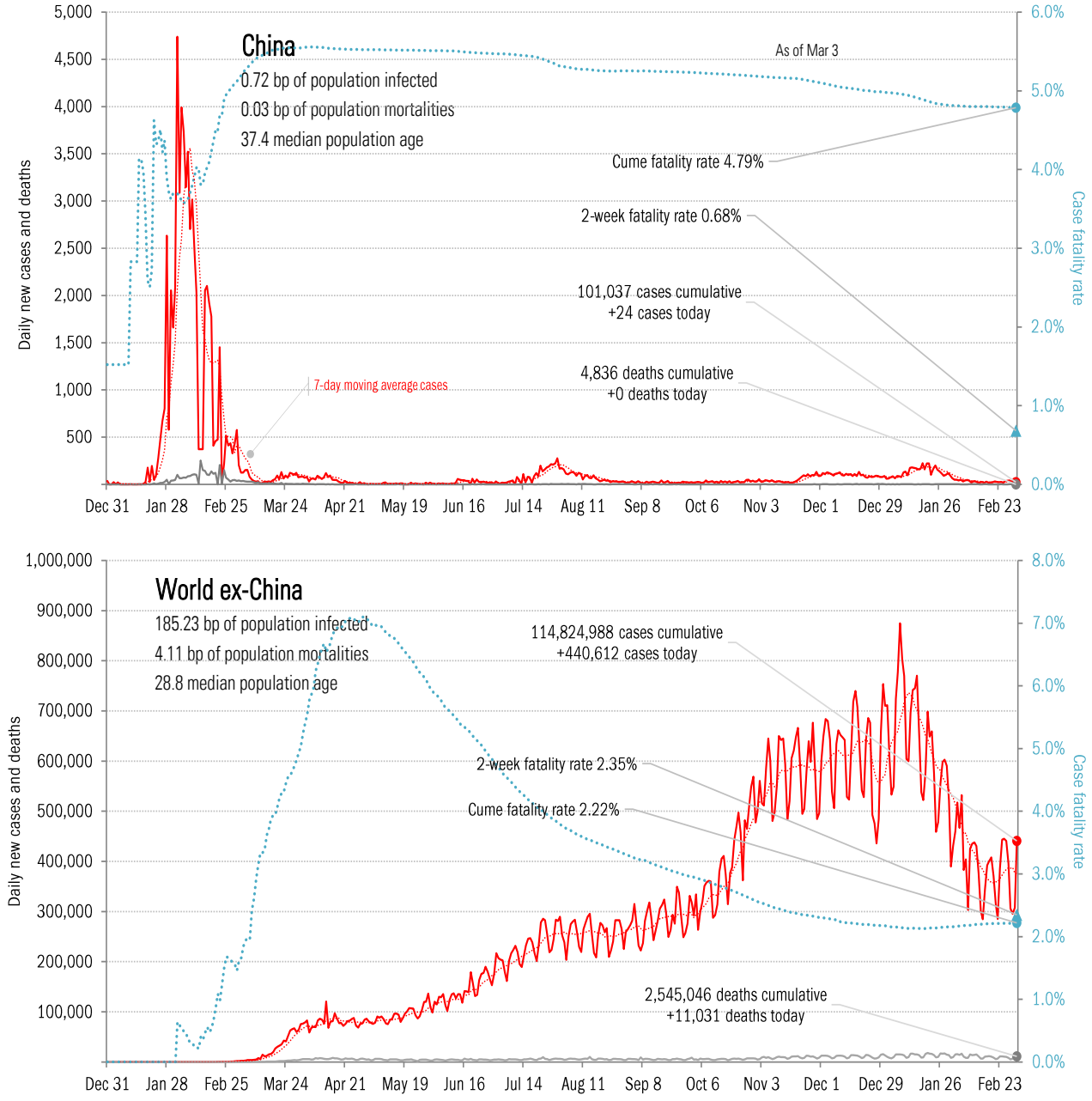
Source: Covid Tracking Project., TrendMacro calculations

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



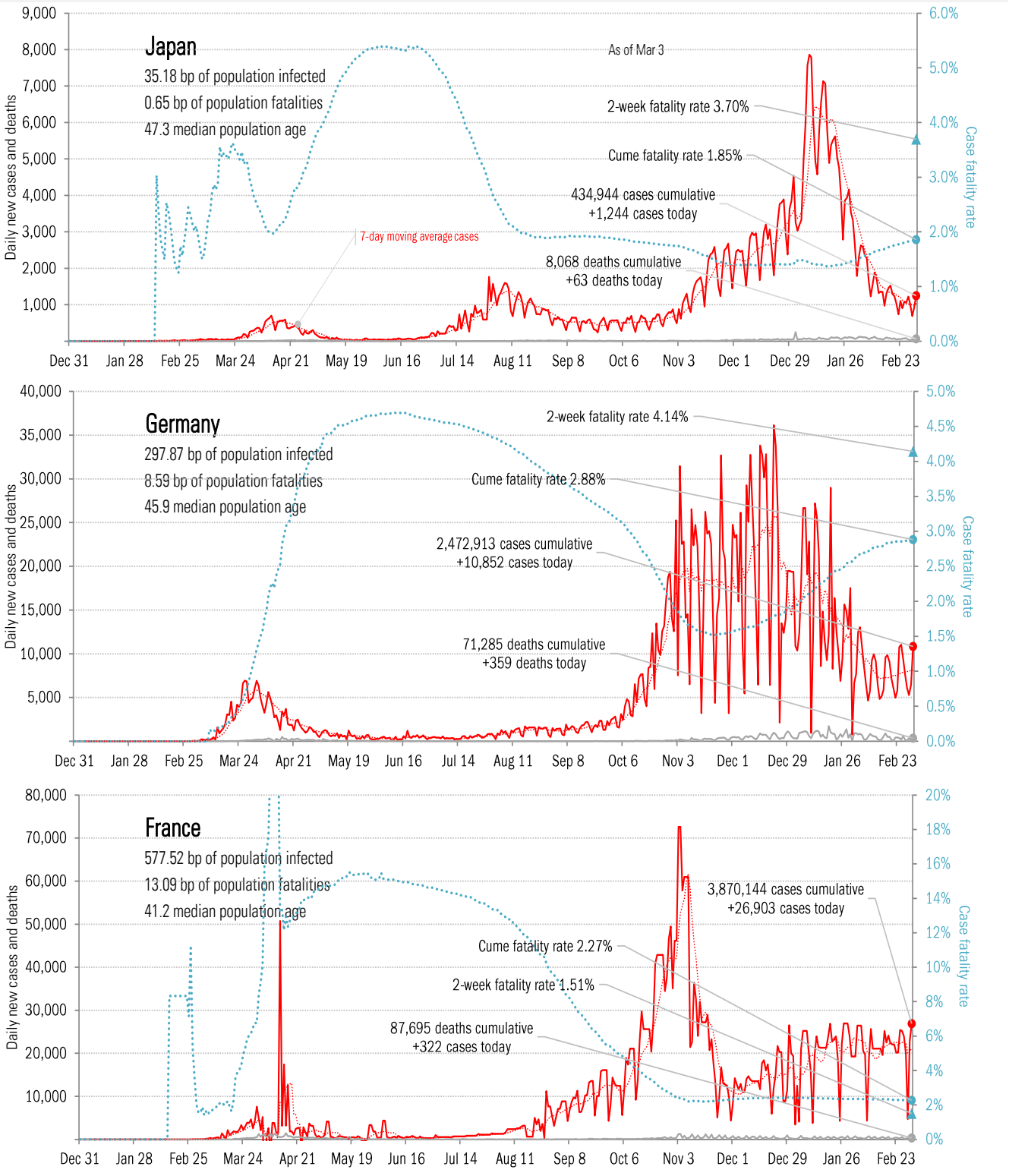
Source: Covid Tracking Project., TrendMacro calculations

Patient zero… and then everyone else



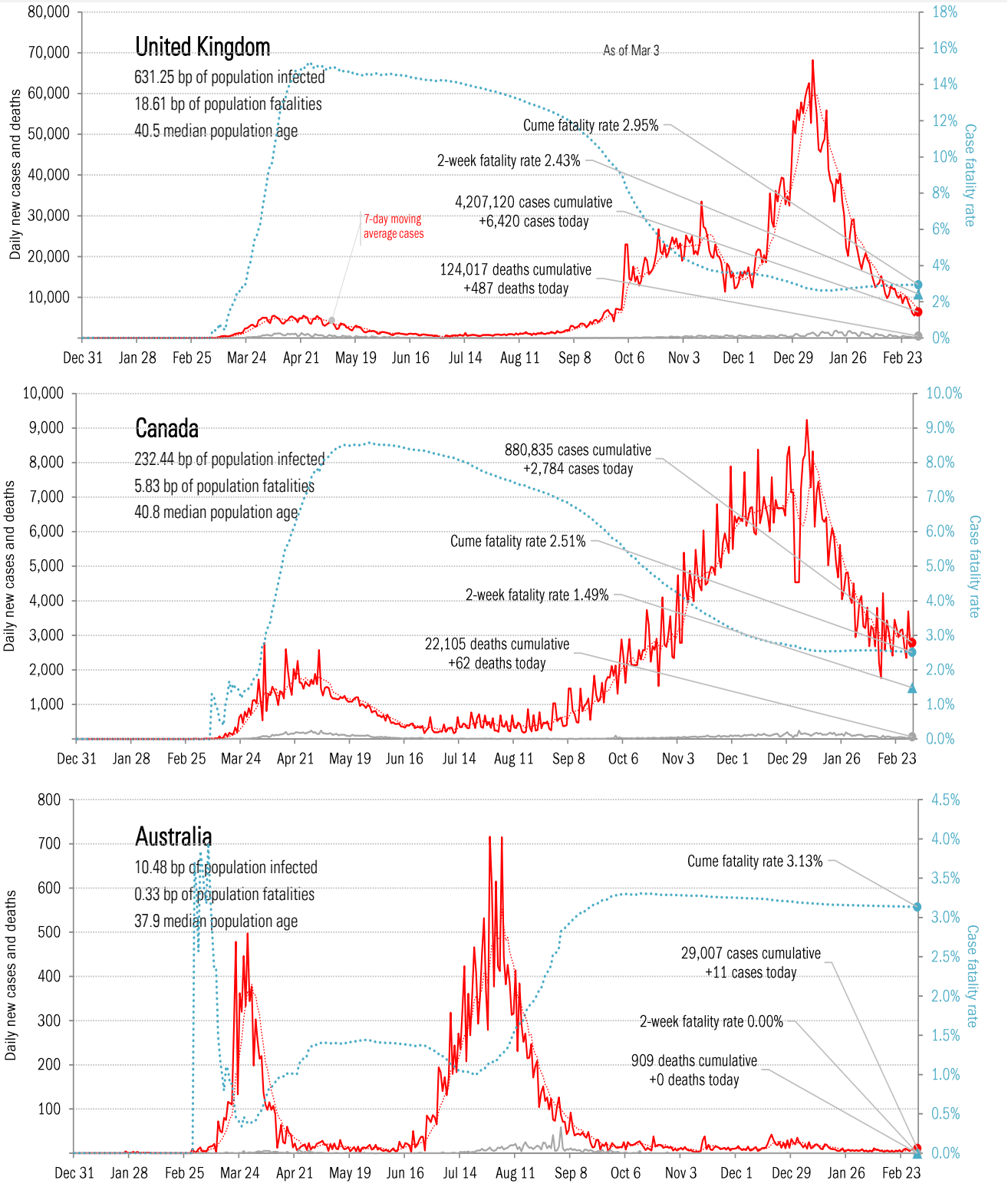
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



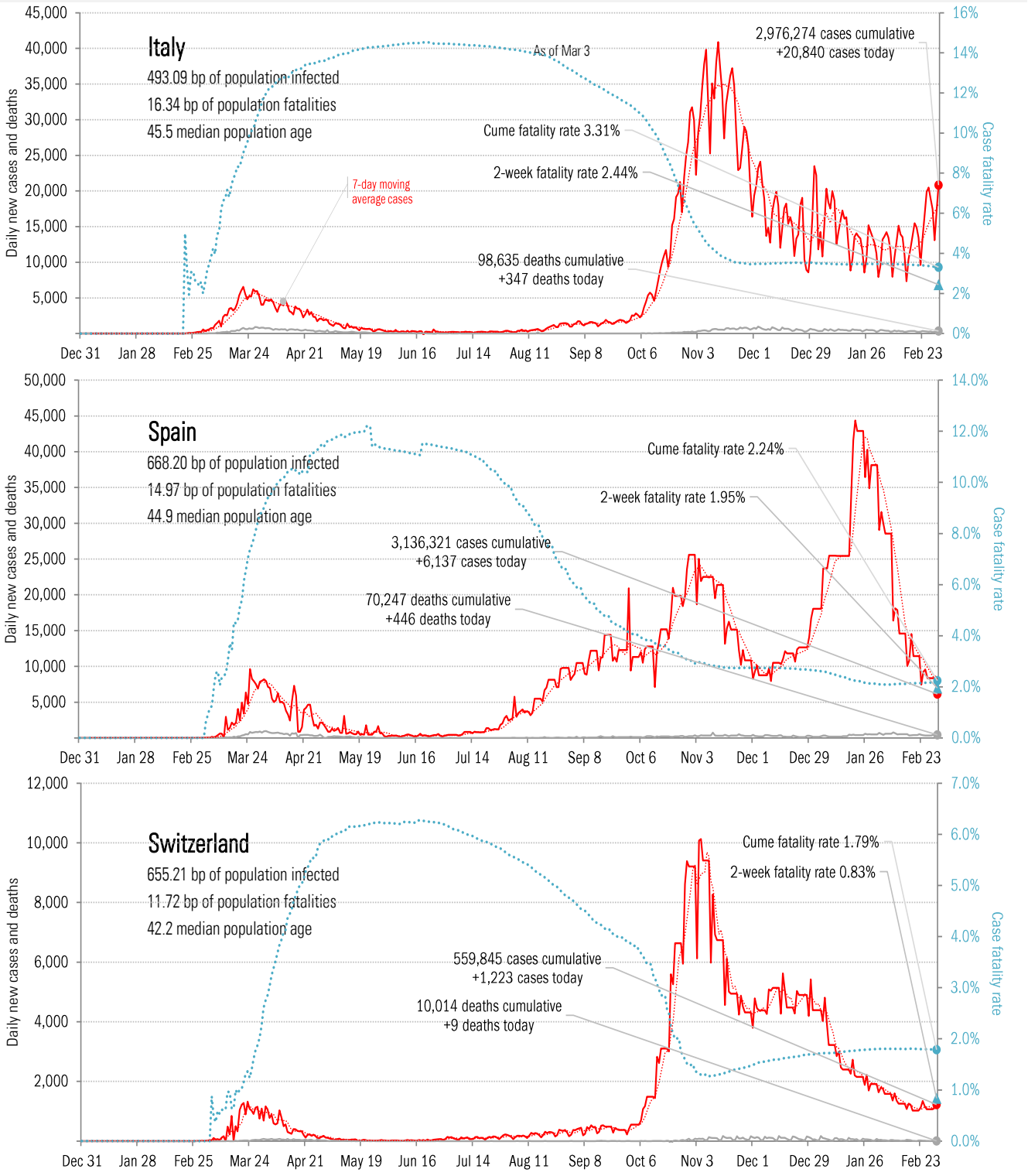
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



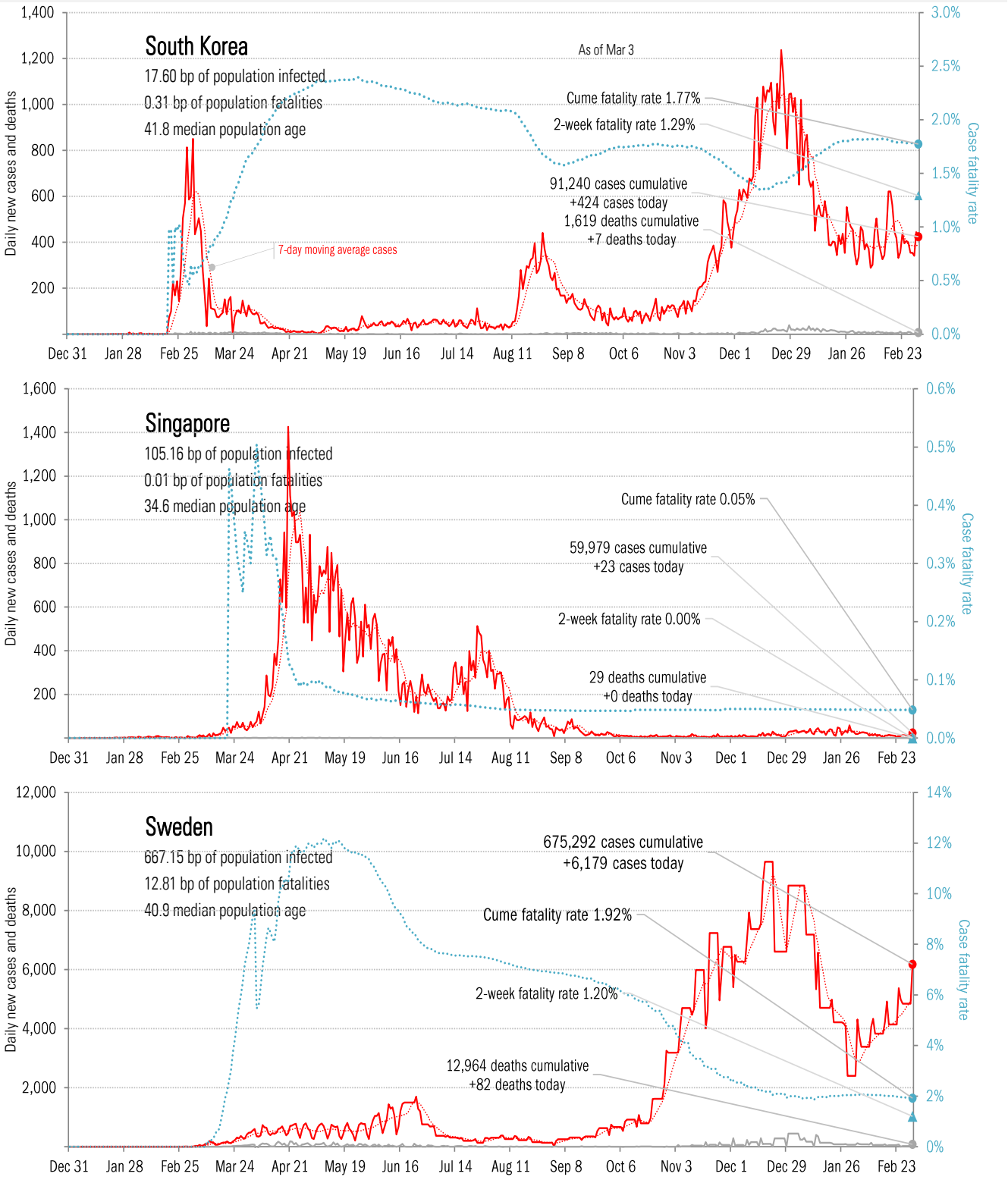
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



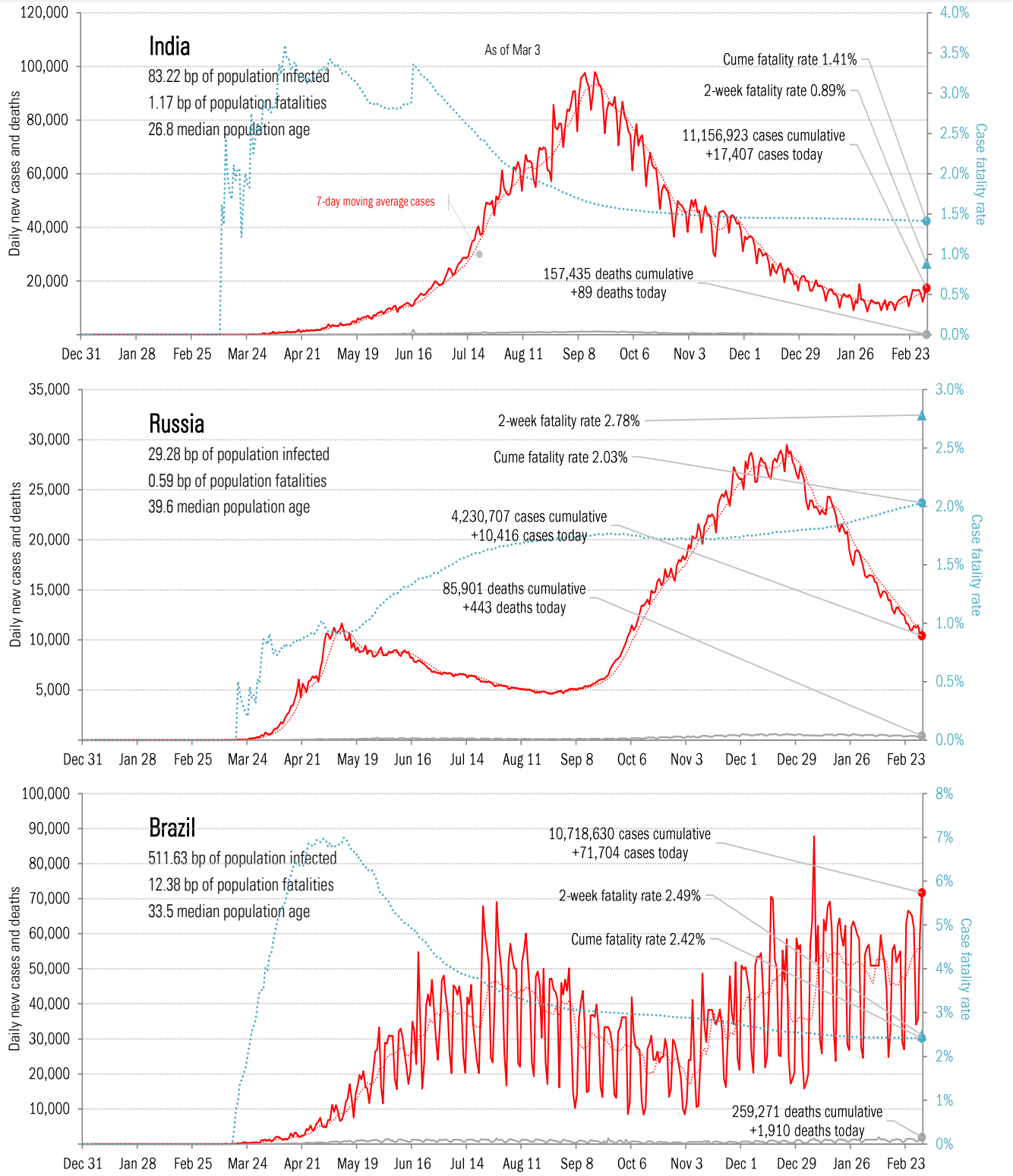
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



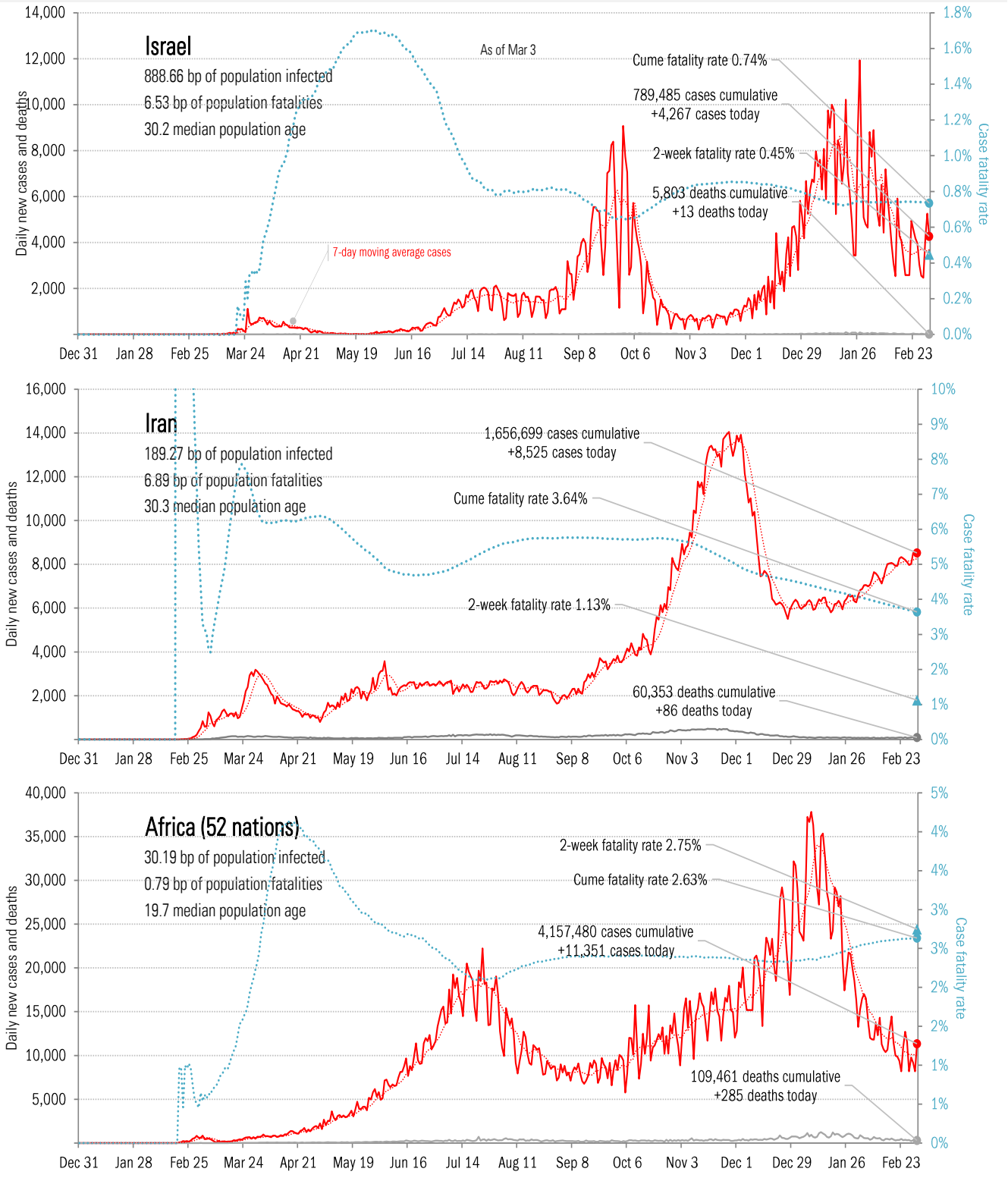
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



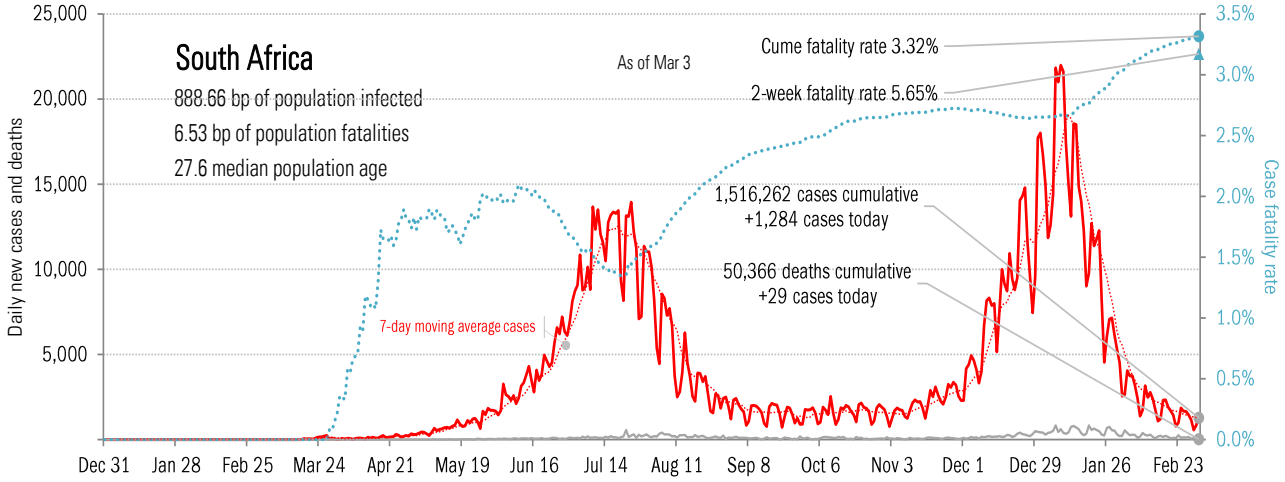
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations