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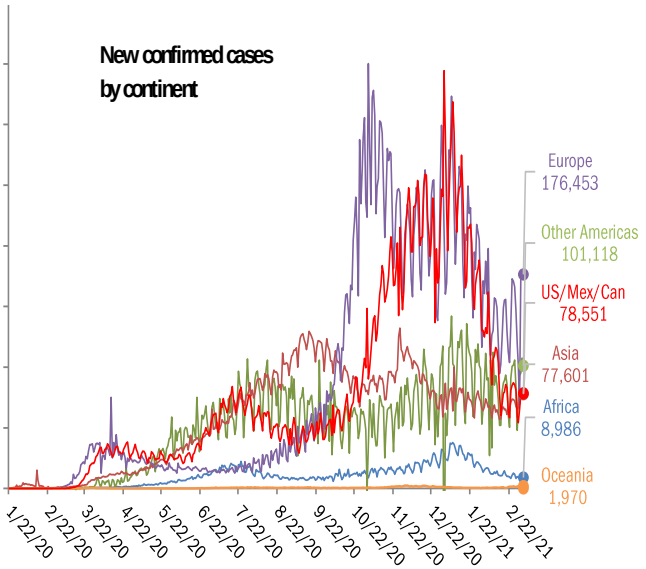
Data Insights: Covid-2019 Monitor

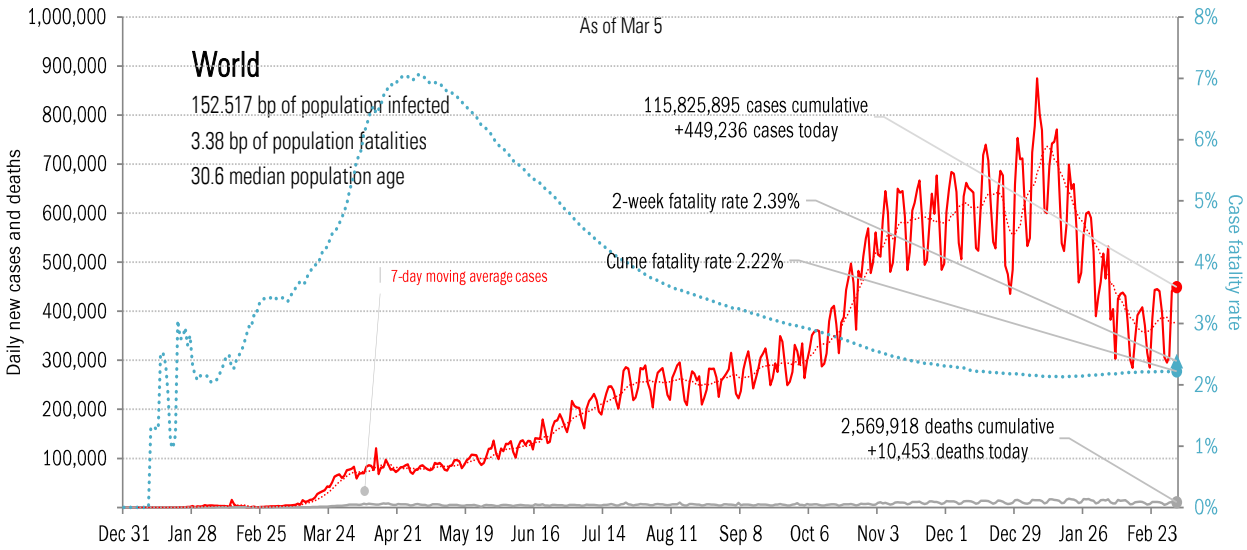
Saturday, March 6, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+75,495	United States	+2,221
United States	+68,787	Brazil	+1,800
Italy	+24,010	Mexico	+712
France	+23,507	Spain	+637
India	+18,284	Russia	+453
Poland	+15,831	France	+439
Czechia	+14,714	Germany	+298
Turkey	+11,302	Italy	+297
Russia	+10,906	Poland	+263
Ukraine	+10,273	United Kingdom	+236
	+273,109		+7,356
World	+449,236	World	+10,453
Top ten	61%	Top ten	70%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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The US scorecard

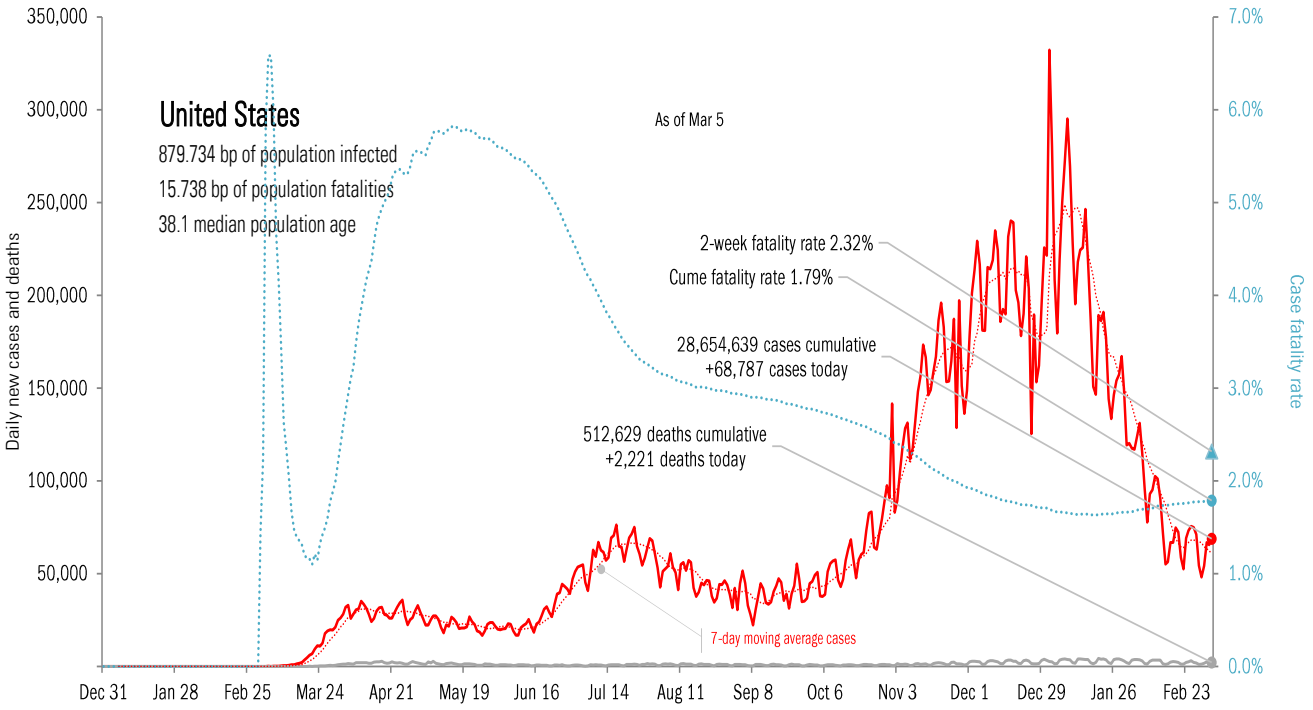
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	+8,956	OH	+467	IN	+38	CA	3,493,126	CA	53,448	NY	89,995	RI	94%	GA	83%
TX	+6,853	CA	+400	KS	+32	TX	2,678,295	TX	44,134	FL	81,902	MA	81%	DC	83%
FL	+5,876	TX	+256	MO	+20	FL	1,900,598	NY	38,891	NJ	65,254	GA	80%	MO	83%
CA	+4,659	FL	+138	WV	+7	NY	1,666,733	FL	32,093	AZ	57,819	MO	79%	DE	83%
NJ	+3,701	NY	+95	NM	+6	IL	1,194,702	PA	24,262	GA	56,627	CT	79%	AL	82%
PA	+2,757	AZ	+84	ME	+5	GA	1,019,509	NJ	23,521	OH	50,782	PA	79%	TX	81%
AZ	+2,276	VA	+71	AK	+1	OH	976,230	IL	22,946	AL	45,976	MD	79%	FL	80%
NC	+2,093	GA	+65	CO	+1	PA	944,196	GA	17,815	IN	43,104	FL	79%	OK	78%
GA	+2,081	NC	+47	AS	+0	NC	870,149	OH	17,656	MD	35,378	SC	78%	NC	77%
MA	+1,899	IL	+44	HI	+0	AZ	823,384	MI	16,601	WI	26,387	DC	78%	MS	76%
	+41,151		+1,667		+110		15,566,922		291,367		553,224				
All states	+68,787		+2,221		-1631	All states	28,654,639		512,629		877,384	All states	73%		71%
Top ten	60%		75%		-7%	Top ten	54%		57%		63%	Median	71%		70%

Some states not reporting

Five most improved US states

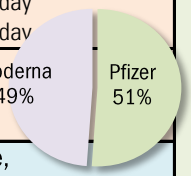
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,175	GA	-60	VA	-130	TX	+11,490
GA	-805	TX	-59	FL	-117	PA	+2,509
NC	-409	AL	-37	CA	-110	OH	+2,411
IL	-298	MI	-27	SC	-98	UT	+2,279
PA	-271	IA	-22	NC	-51	NM	+1,668



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
114.13 million doses distributed		+4.23 million/day
85.01 million doses administered		+2.44 million/day
55.55 million persons with one shot		+1.51 million/day
28.70 million persons with two shots		+0.91 million/day
7.31 million shots long-term care residents/staff		+0.04 million/day
74.5% of distributed doses administered		
16.7% of US pop 1 shot	**8.6% 2 shots**	
100% of LTC 1 shot	**57.3% 2 shots**	



At today's dosing pace, every American will have two in
235 days
by Oct 25, 2021

US will achieve herd immunity in
103 days
by Jun 16, 2021

Share pop full immunization	
United States	8.6%
United Kingdom	1.5%
France	2.7%
Spain	2.9%
Germany	2.8%
Italy	2.6%
Australia	0.7%
Israel	42.3%
Canada	1.5%
Japan	2.6%
China	2.8%
India	0.3%
Brazil	1.2%

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

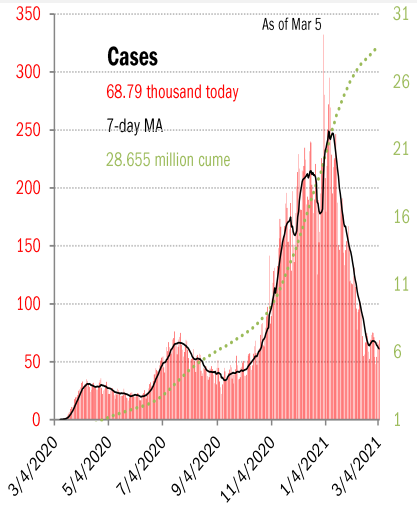
AK											ME
57.6%											37.5%
23.9%											19.2%
14.6%											9.5%
						WI				VT	NH
						32.5%				40.6%	35.5%
						18.2%				18.4%	19.3%
						10.0%				9.7%	8.1%
WA	ID	MT	ND	MN	IL	MI			NY	MA	
34.5%	33.0%	37.8%	38.6%	34.6%	34.2%	33.0%			35.2%	35.9%	
16.8%	15.8%	19.2%	20.8%	18.5%	17.4%	16.5%			16.2%	20.0%	
9.3%	8.5%	10.0%	11.4%	9.3%	7.8%	9.3%			8.2%	8.8%	
OR	NV	WY	SD	IA	IN	OH	PA		NJ	CT	RI
33.3%	33.1%	40.8%	44.2%	33.9%	32.6%	34.0%	34.7%		33.1%	39.9%	35.1%
16.4%	16.0%	18.1%	22.5%	18.4%	16.0%	16.0%	17.0%		18.7%	22.2%	20.3%
9.4%	8.5%	10.2%	11.9%	7.0%	9.7%	8.7%	7.7%		9.3%	8.9%	8.1%
CA	UT	CO	NE	MO	KY	WV	VA		MD	DE	
34.4%	30.9%	34.9%	36.7%	33.1%	34.4%	38.0%	33.1%		34.6%	36.9%	
17.4%	14.2%	17.2%	17.8%	15.4%	17.7%	19.3%	17.6%		17.0%	16.3%	
7.9%	6.4%	9.1%	9.6%	8.0%	8.9%	12.3%	9.6%		9.4%	9.2%	
	AZ	NM	KS	AR	TN	NC	SC		DC		
	35.7%	42.7%	37.3%	35.3%	33.0%	33.7%	30.7%		47.8%		
	18.2%	23.9%	16.3%	15.4%	14.5%	16.3%	15.5%		13.1%		
	9.0%	13.0%	8.2%	8.5%	7.7%	8.9%	8.3%		6.4%		
			OK	LA	MS	AL	GA				
			43.8%	33.9%	35.6%	31.7%	31.8%				
			19.2%	15.9%	15.6%	14.4%	12.6%				
			11.0%	9.0%	8.5%	7.8%	7.9%				
HI			TX						FL		PR
41.8%			31.6%						35.0%		38.5%
18.7%			14.1%						15.9%		11.9%
11.3%			7.7%						8.9%		6.8%

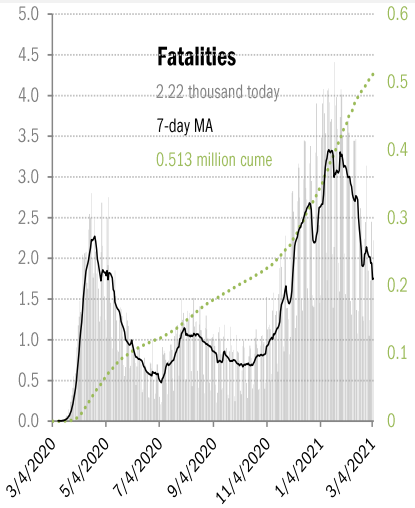
As of Mar 5

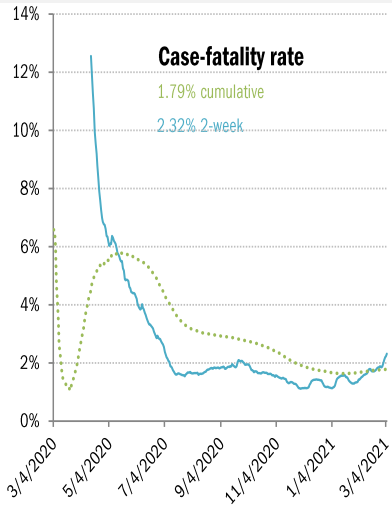
Source: CDC, CDC, Our World in Data, TrendMacro calculations

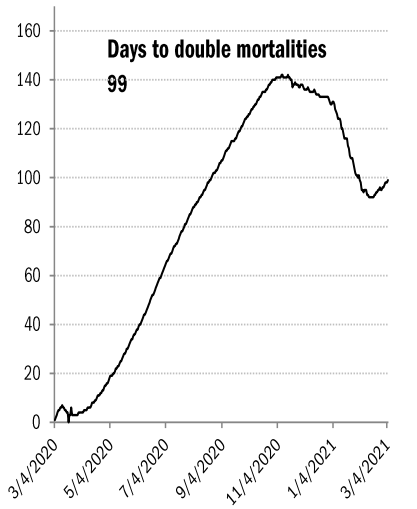
US deep-dive

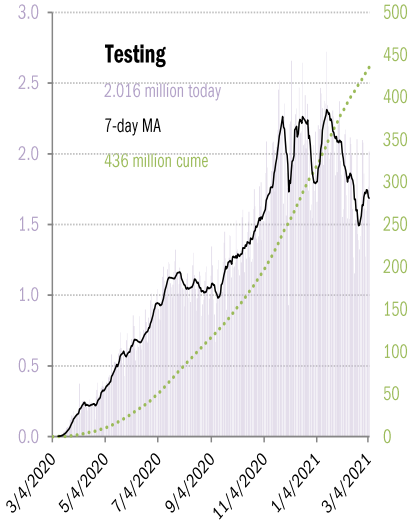
National and state-by-state data do not line up because of different sources

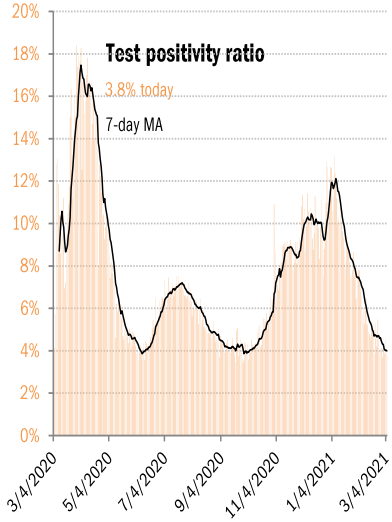


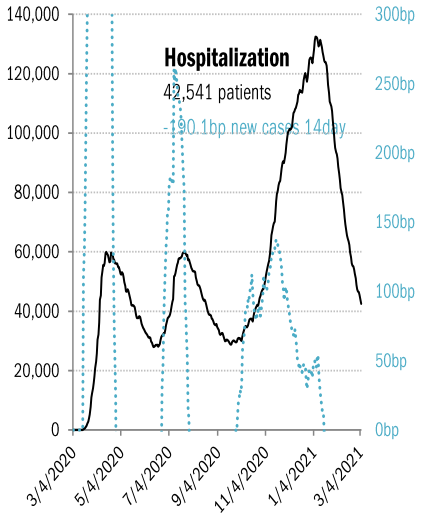


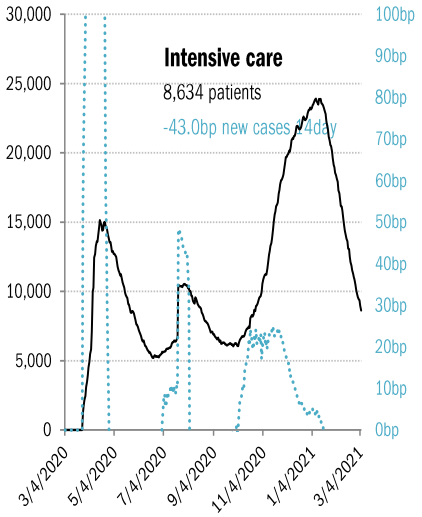


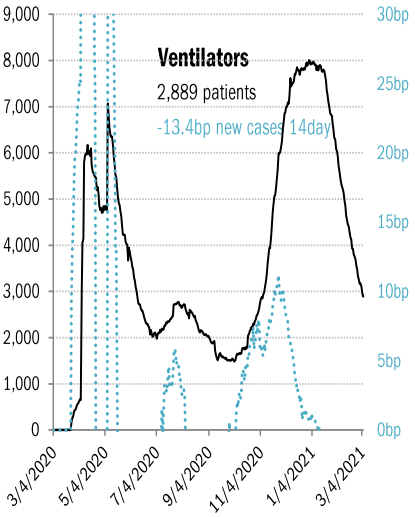






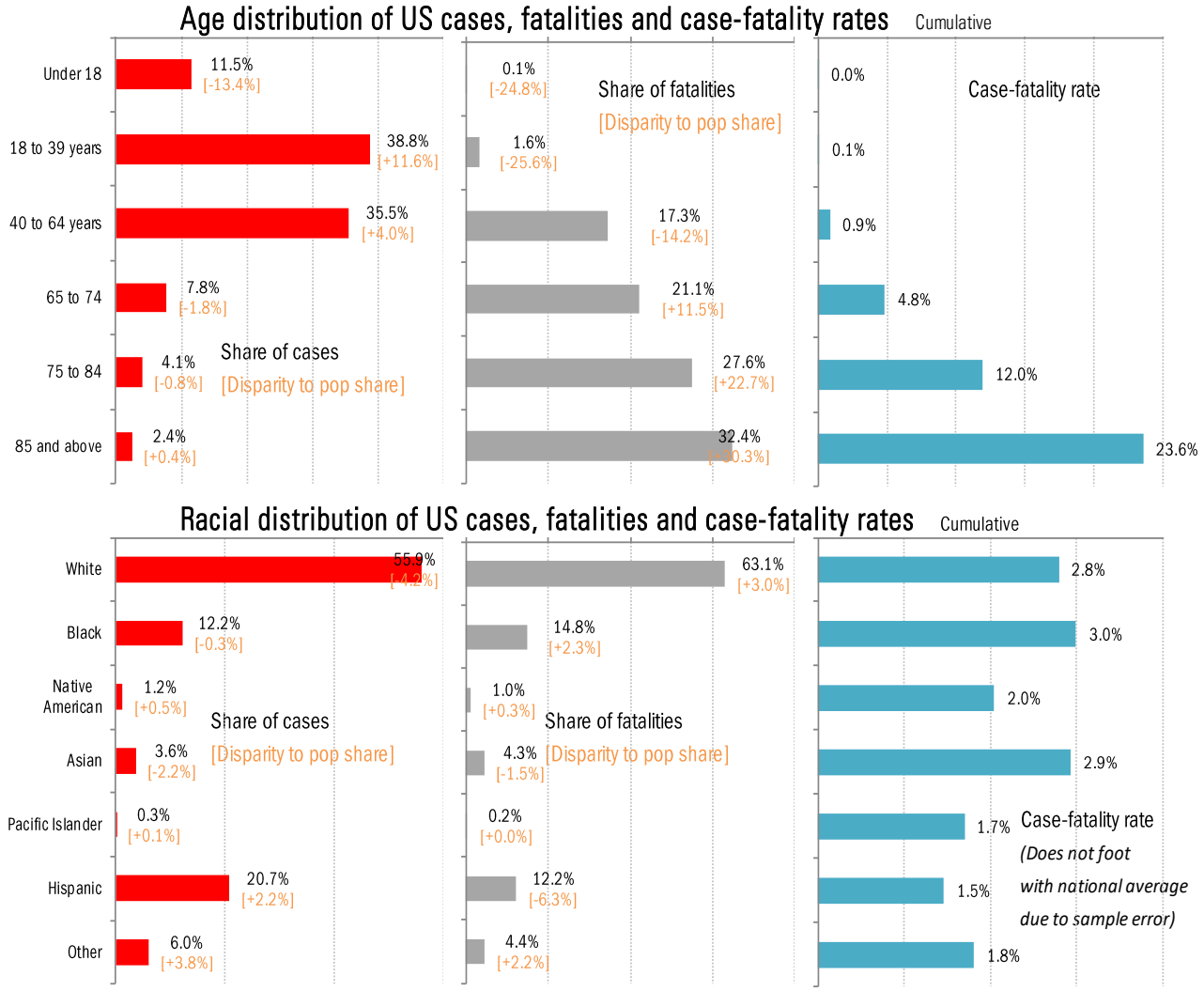




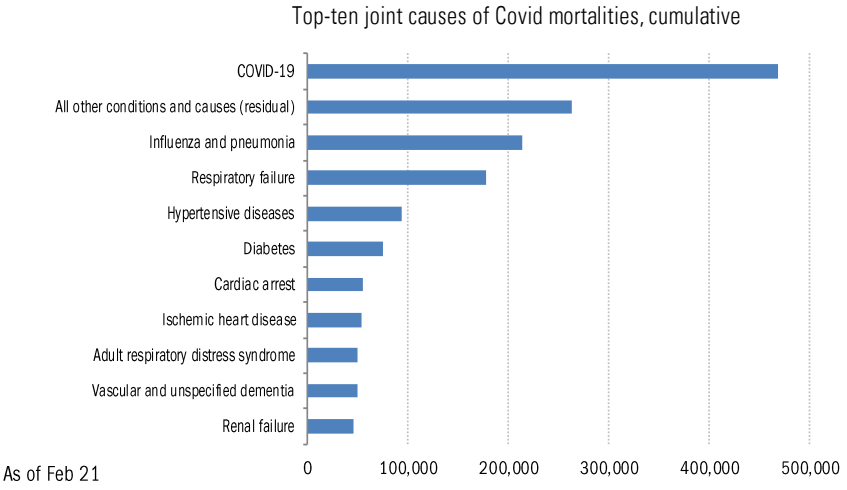


Source: Covid Tracking Project, TrendMacro calculations

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



Comorbidities



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

[World's Worst Covid Crisis Is Unfolding in Brazil, Where No Fix Seems to Work]
Andre Romani Pinto, Simone Preissler Iglesias and Martha Viotti Beck
Bloomberg
March 5, 2021

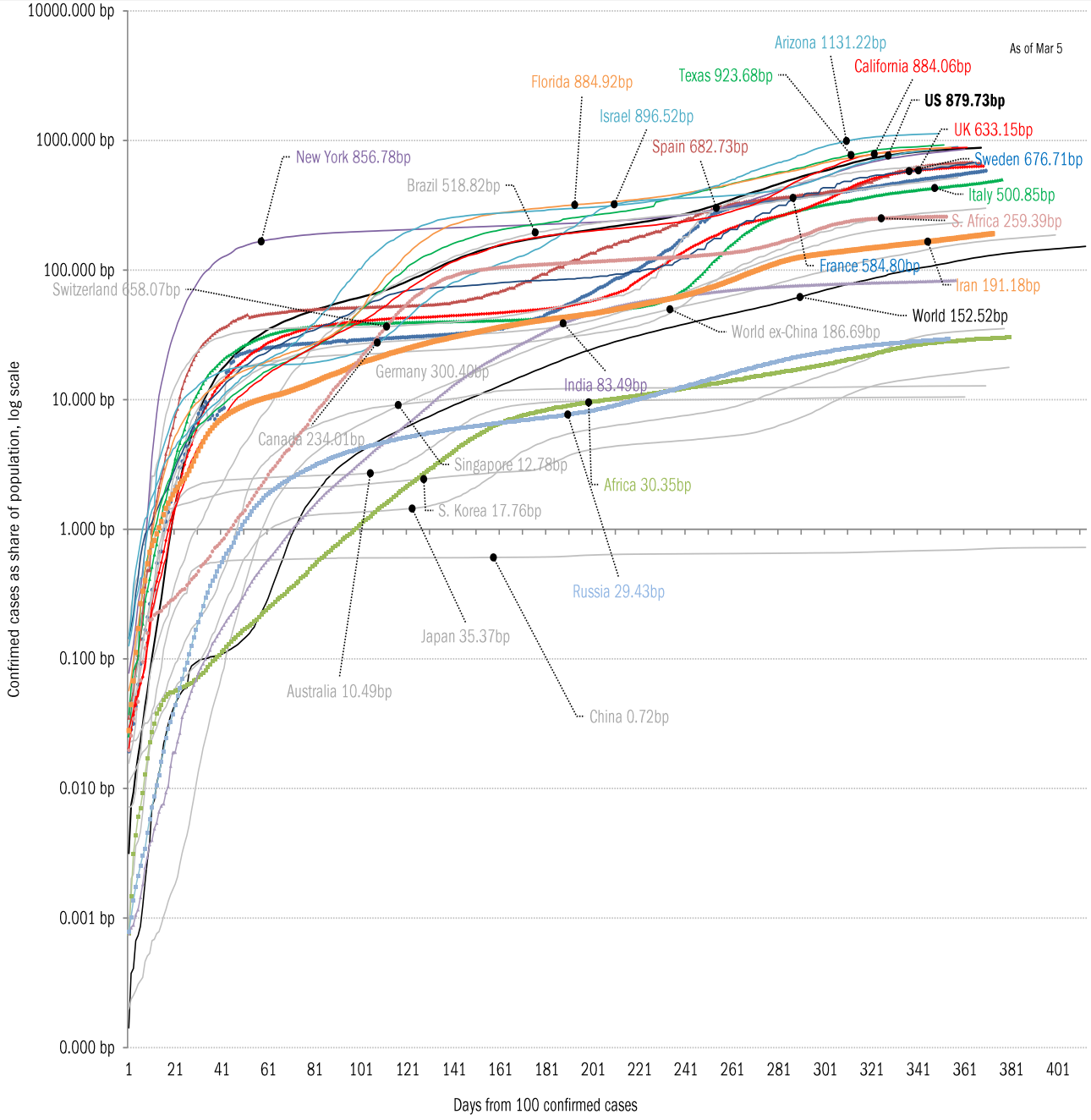
[New Emails Detail WHO/NIH Accommodations to Chinese Confidentiality 'Terms']
Judicial Watch
March 1, 2021

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

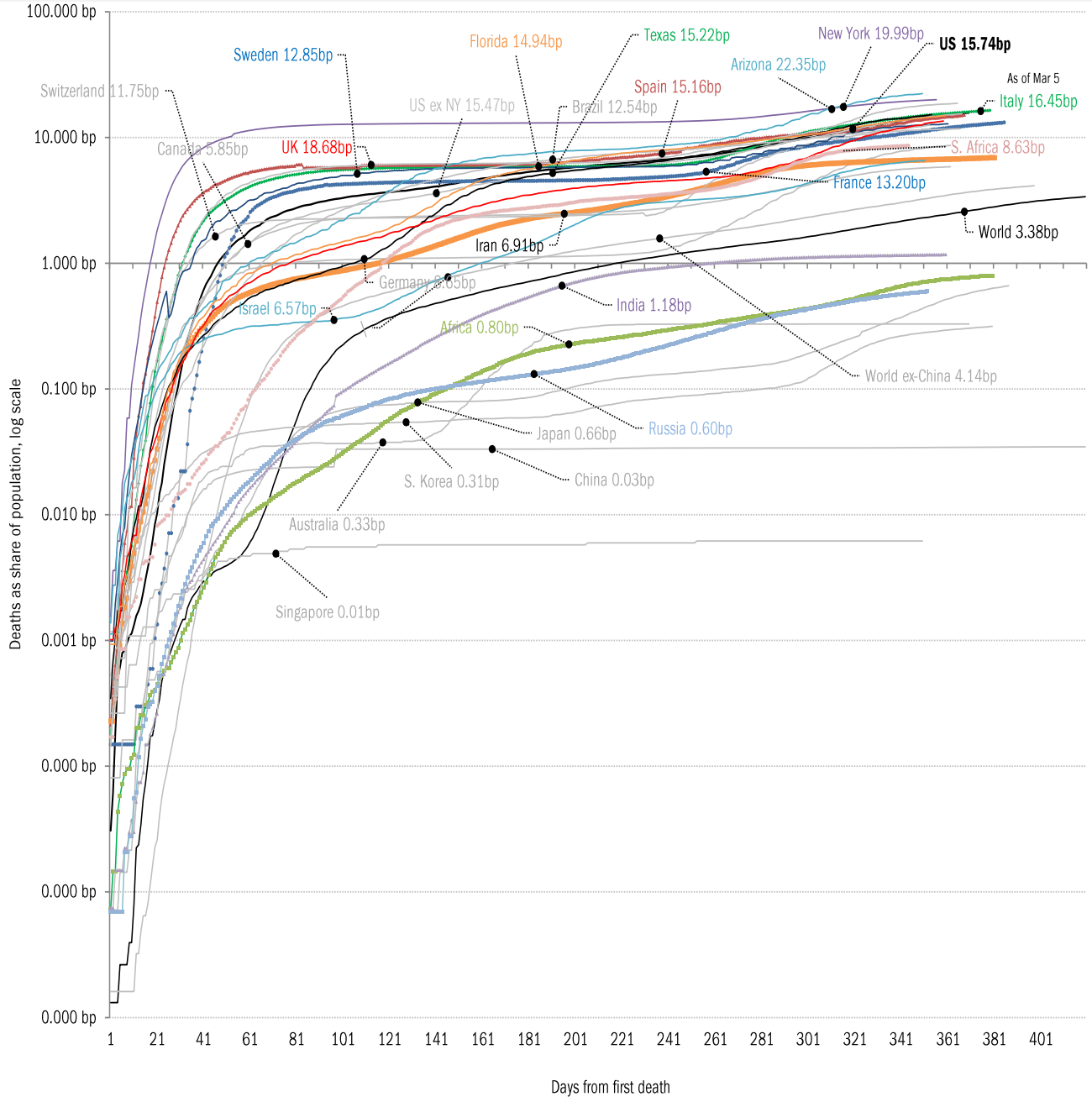
Share of infected population from first day with 100 confirmed cases, log scale



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

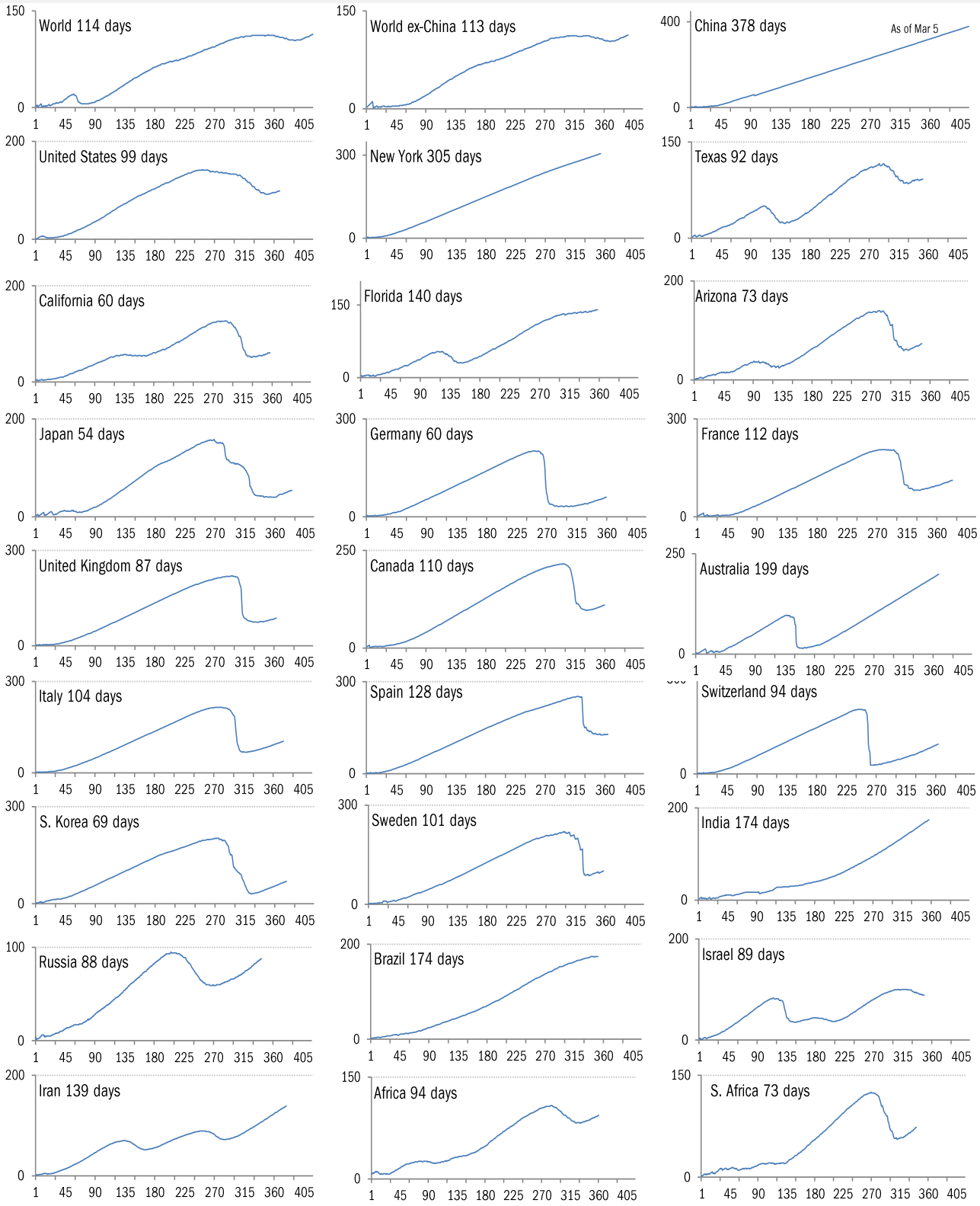


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

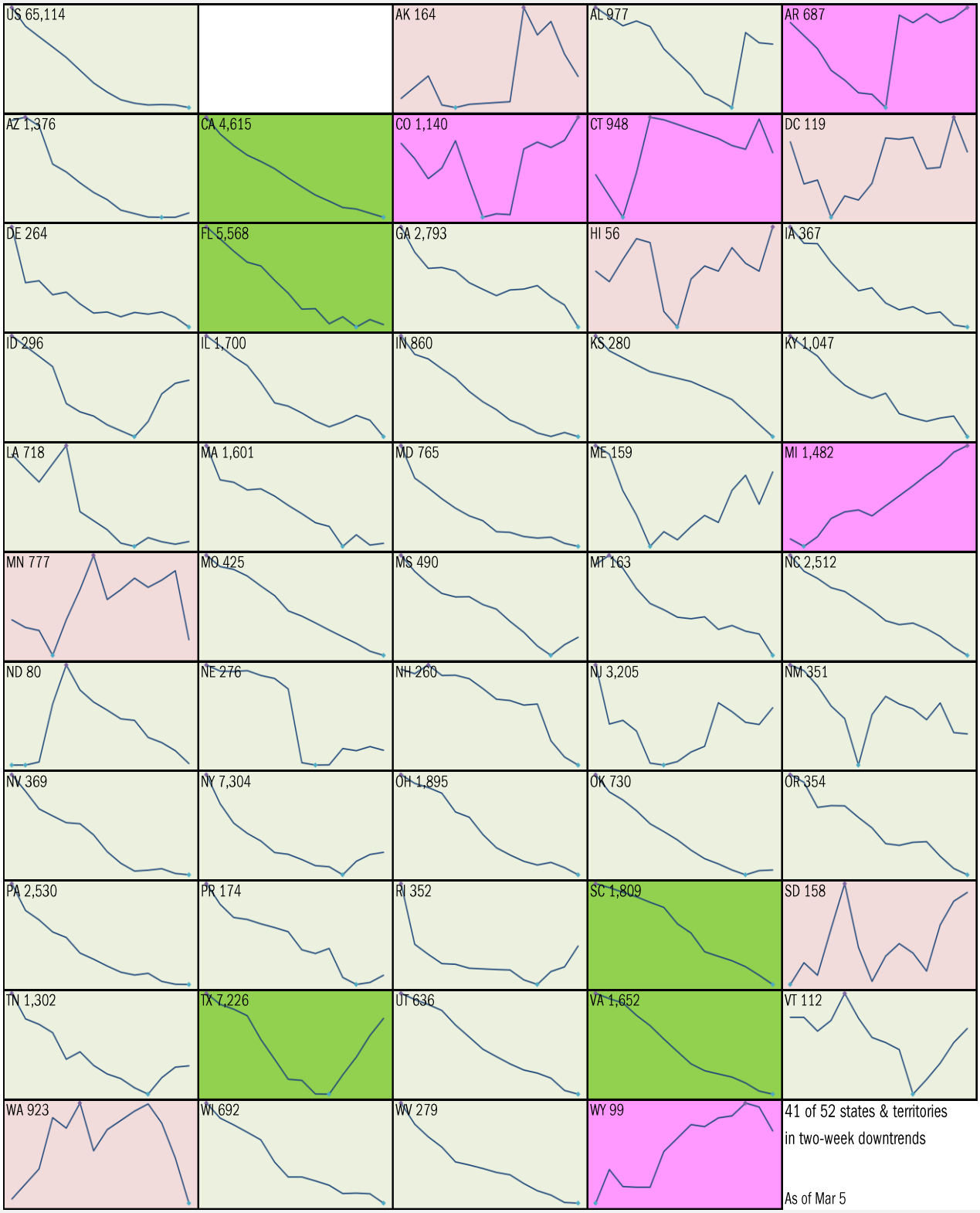


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

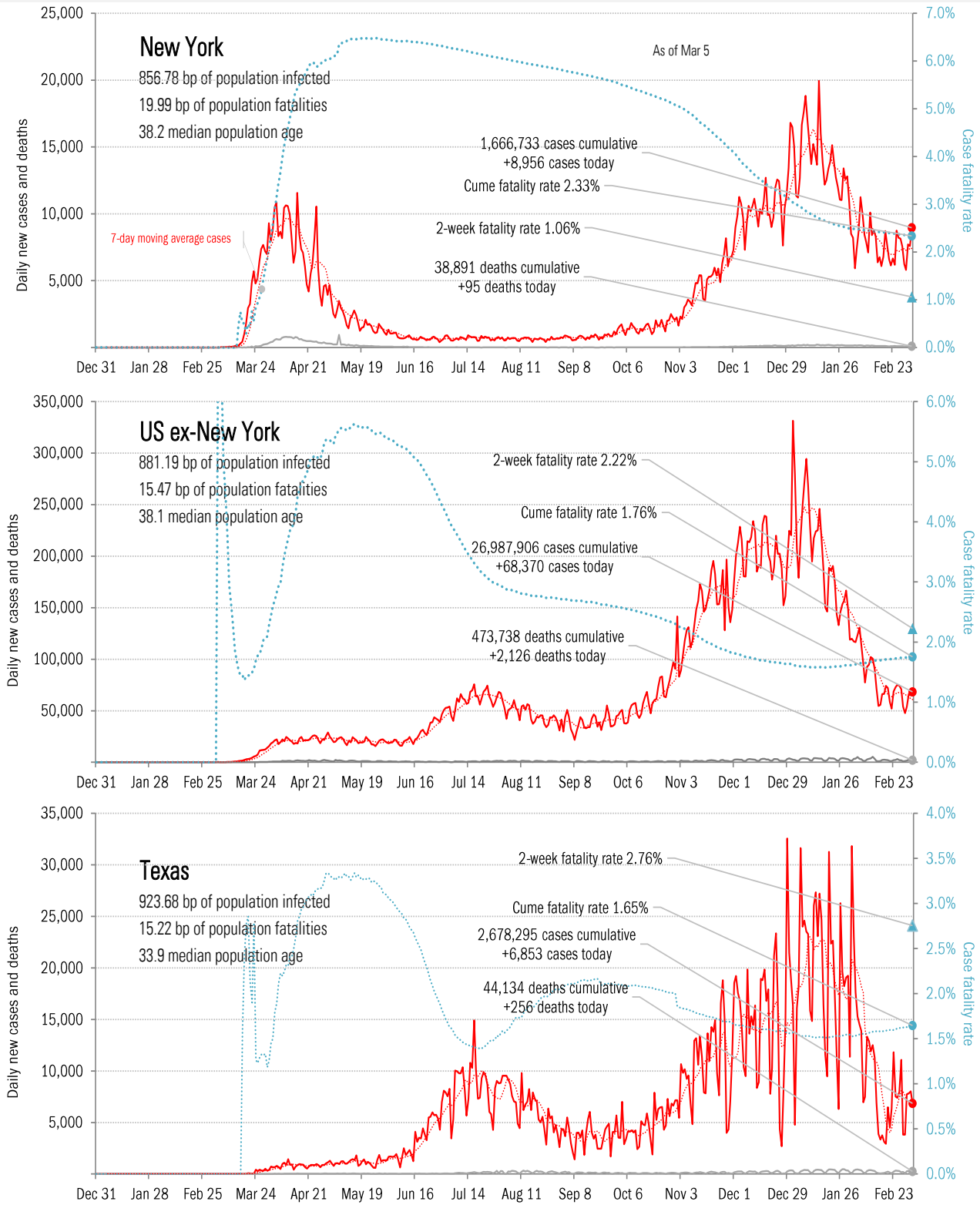
Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

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

Downward trajectory Five best Upward trajectory Five worst

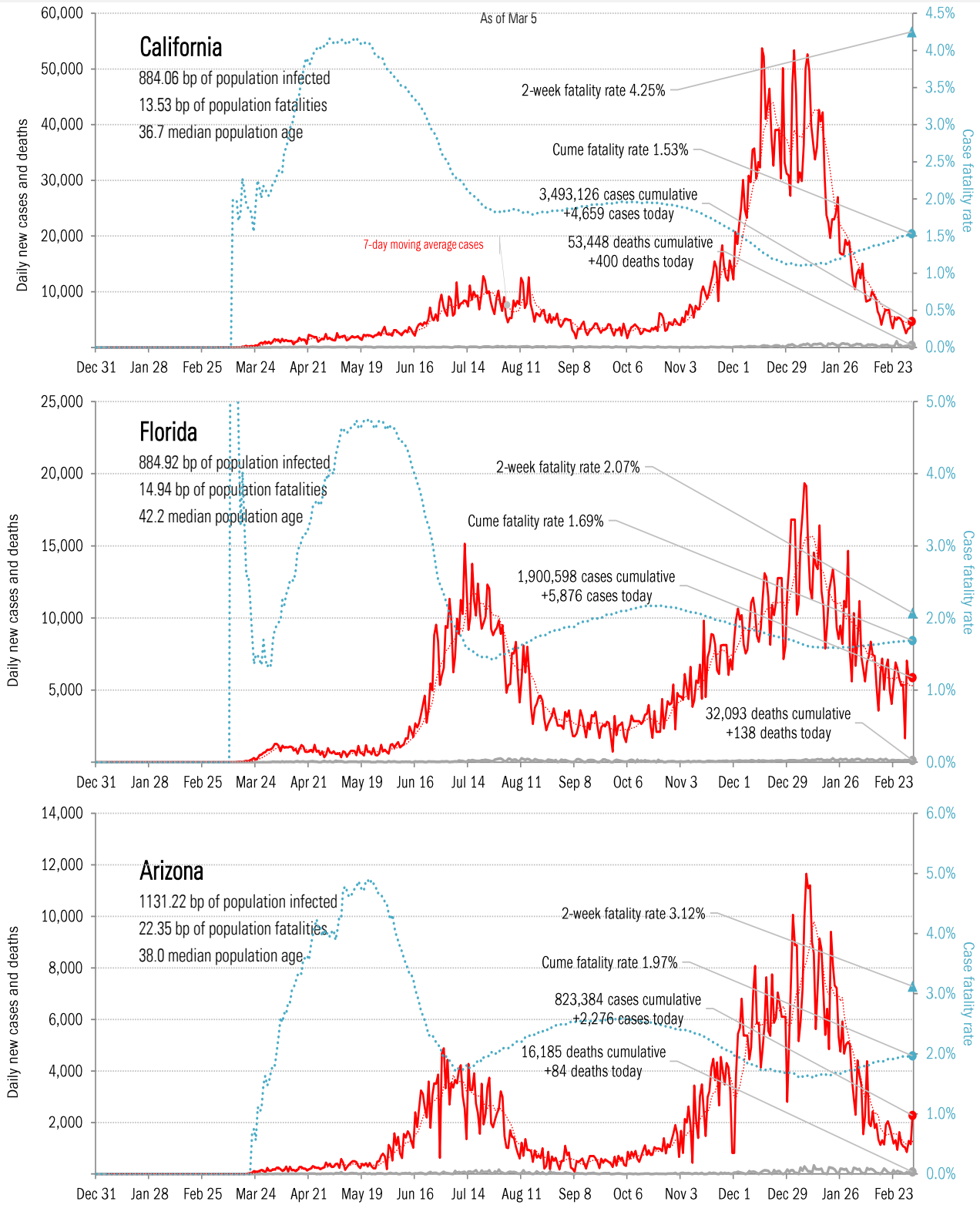
Source: Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



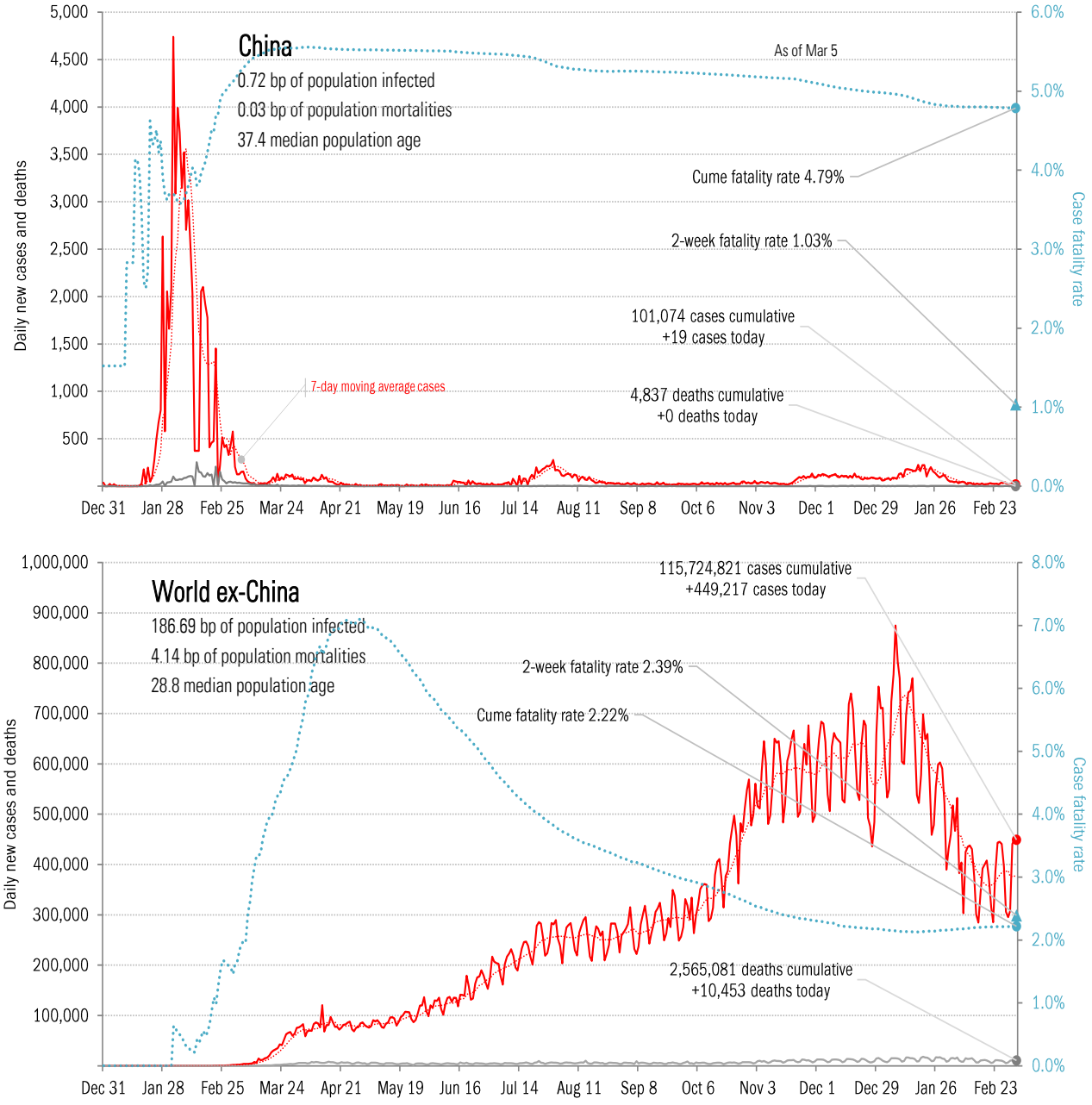
Source: Covid Tracking Project., TrendMacro calculations

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



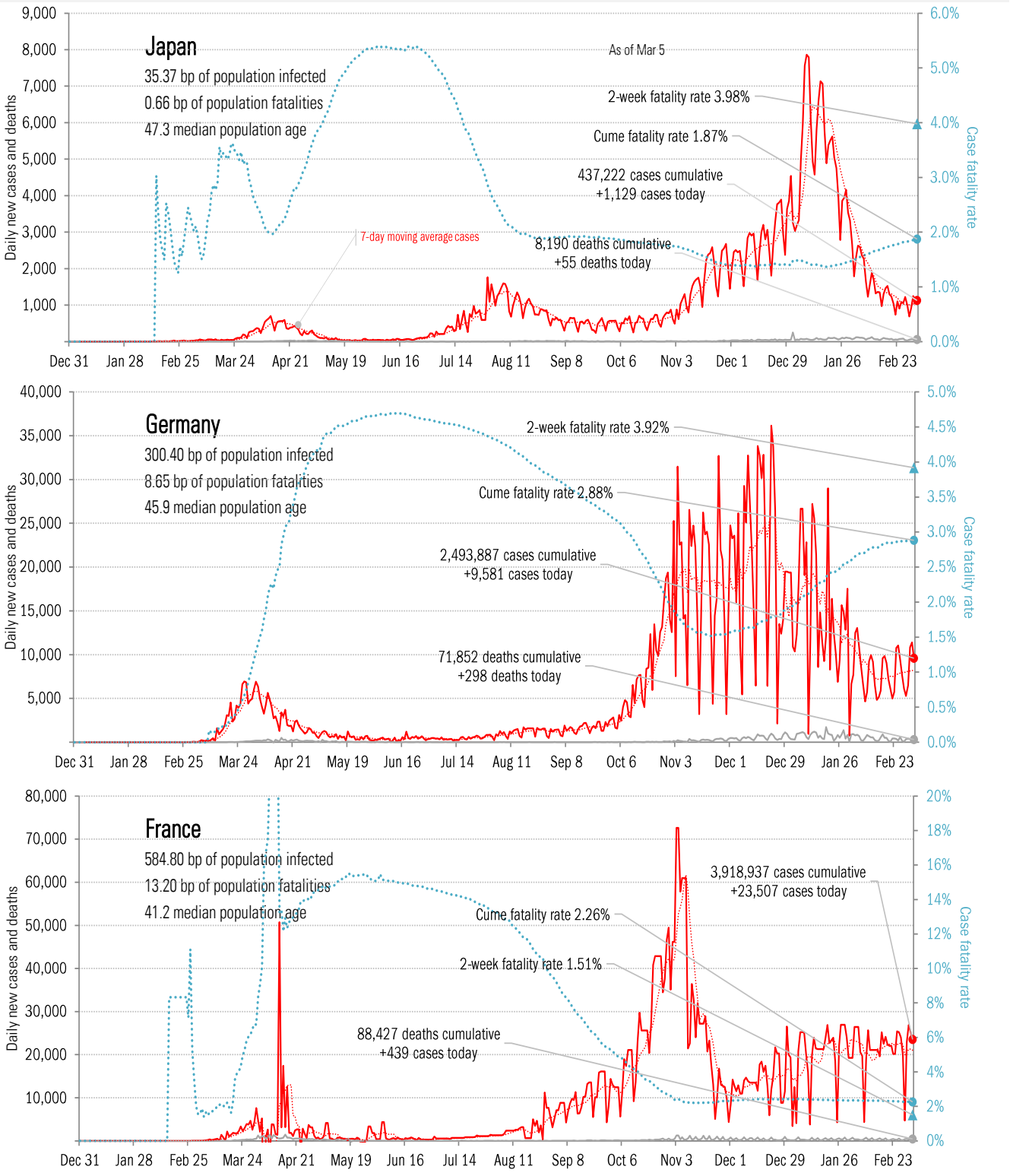
Source: Covid Tracking Project., TrendMacro calculations

Patient zero… and then everyone else



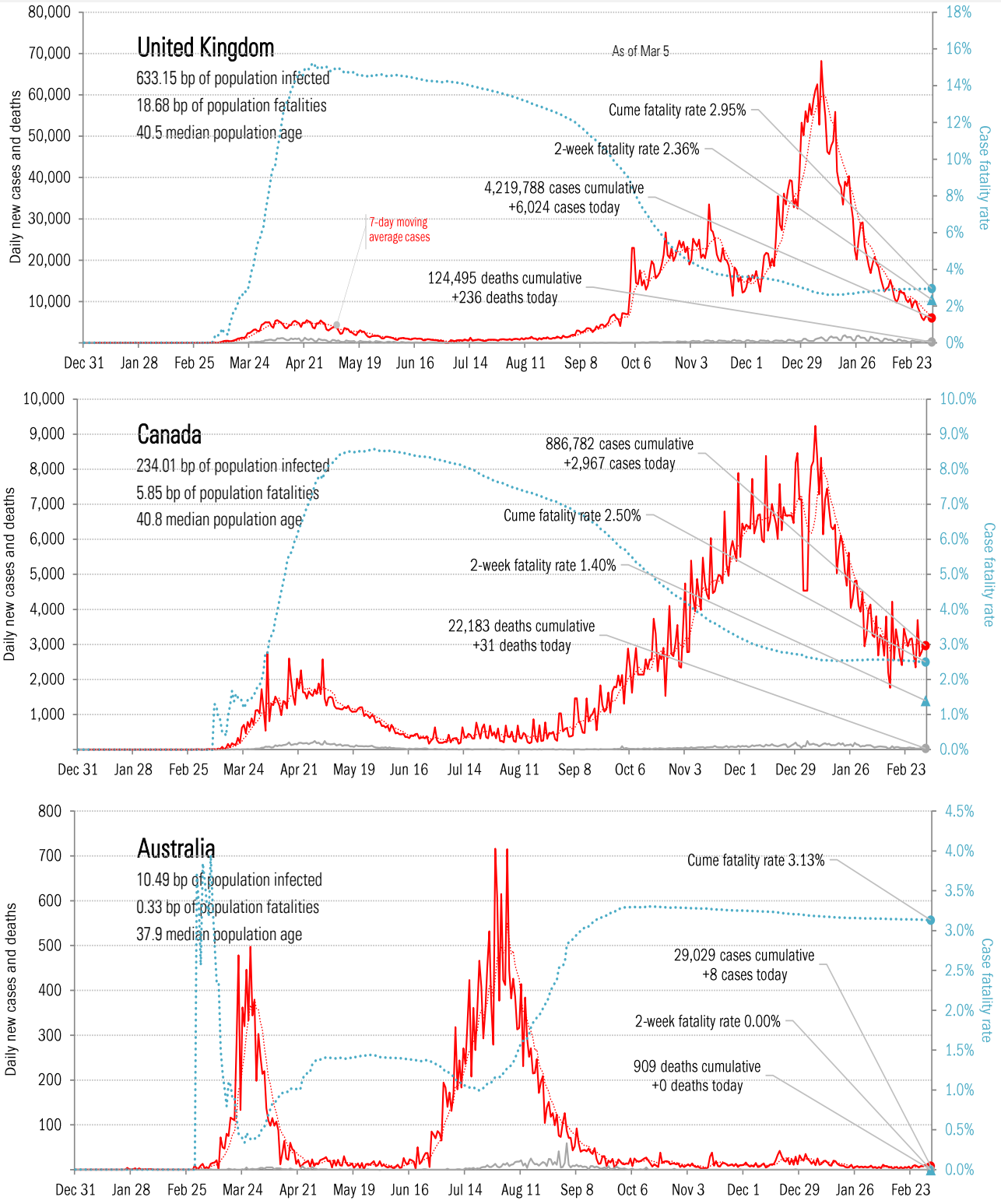
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



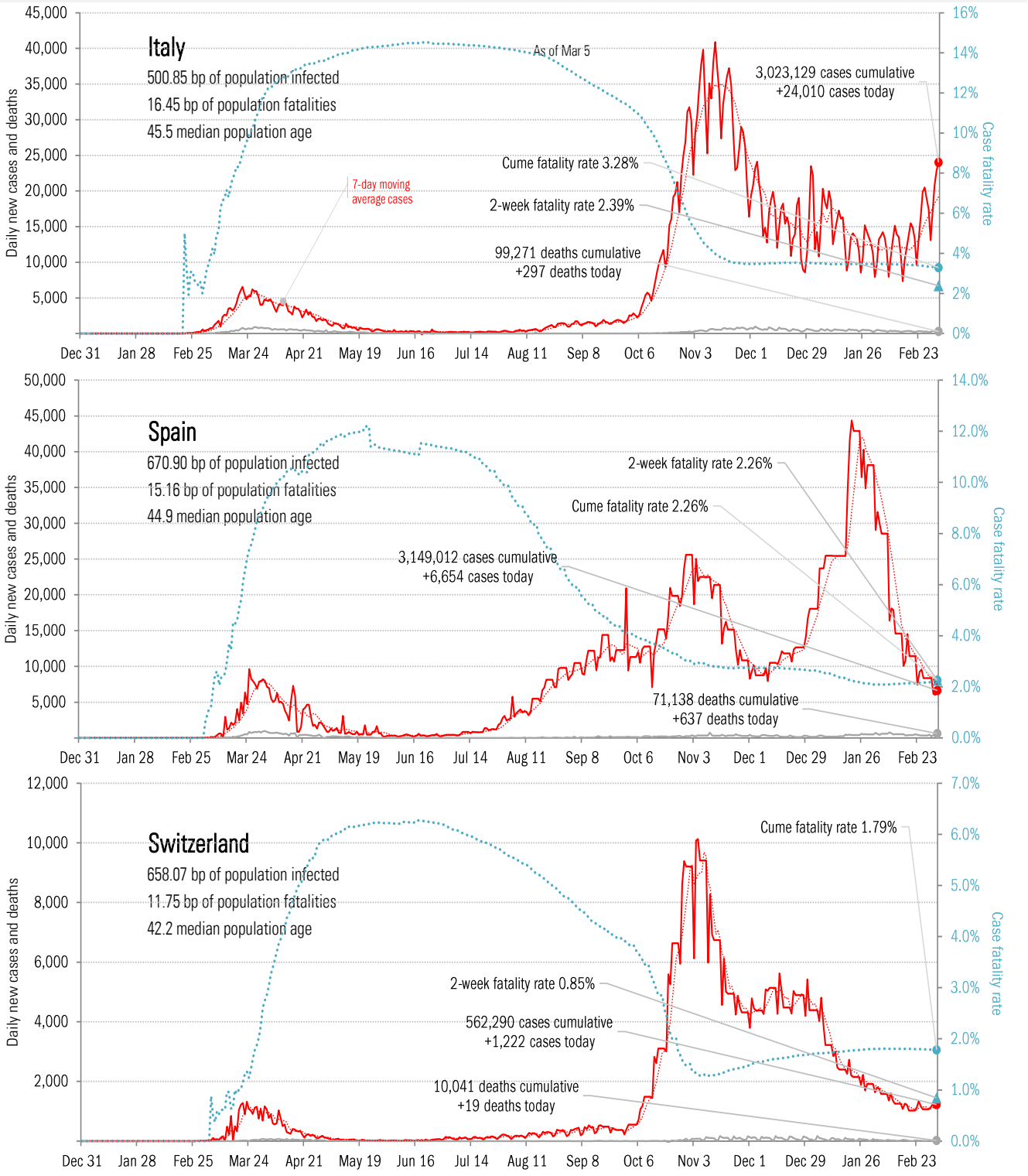
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



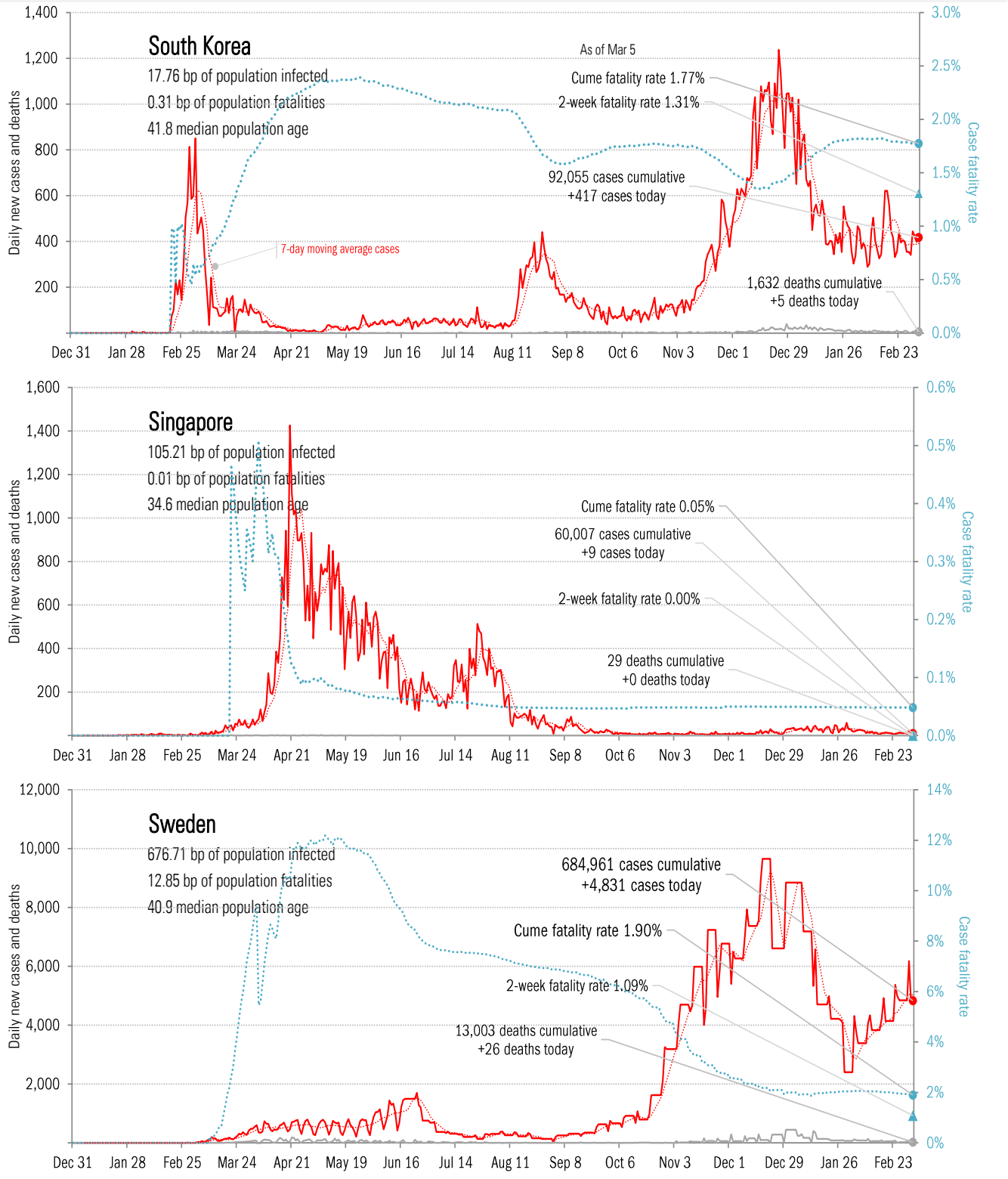
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



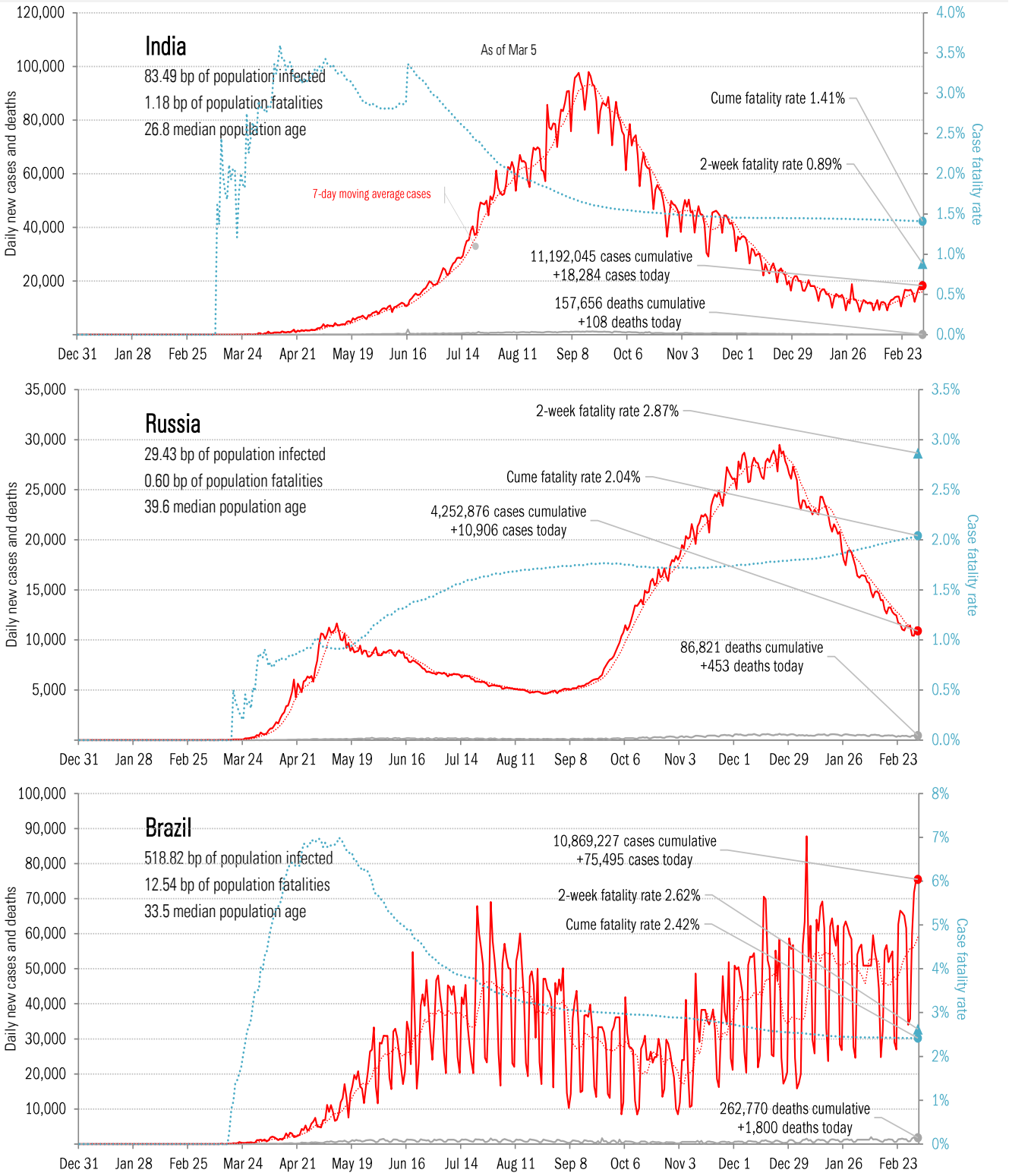
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



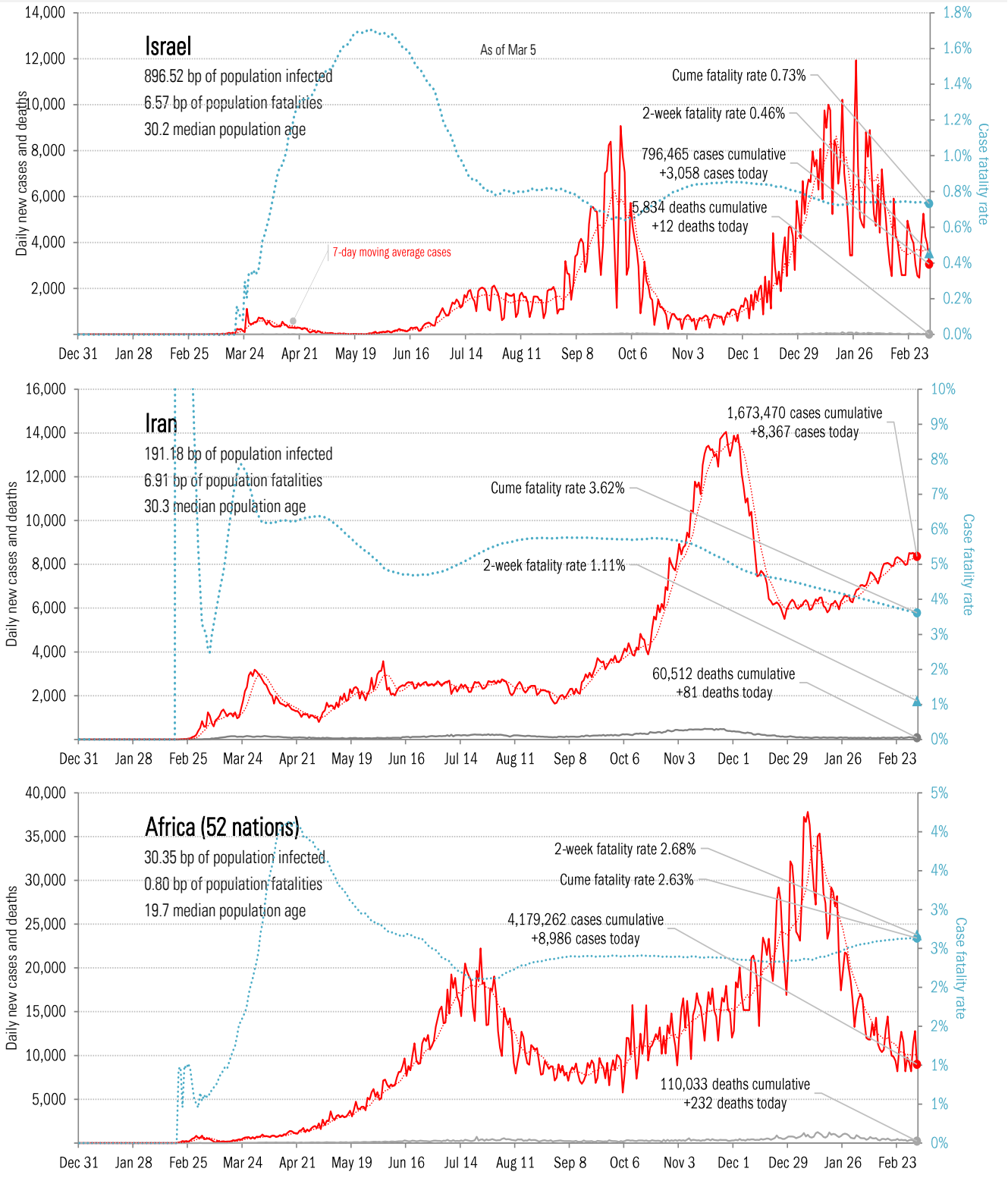
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



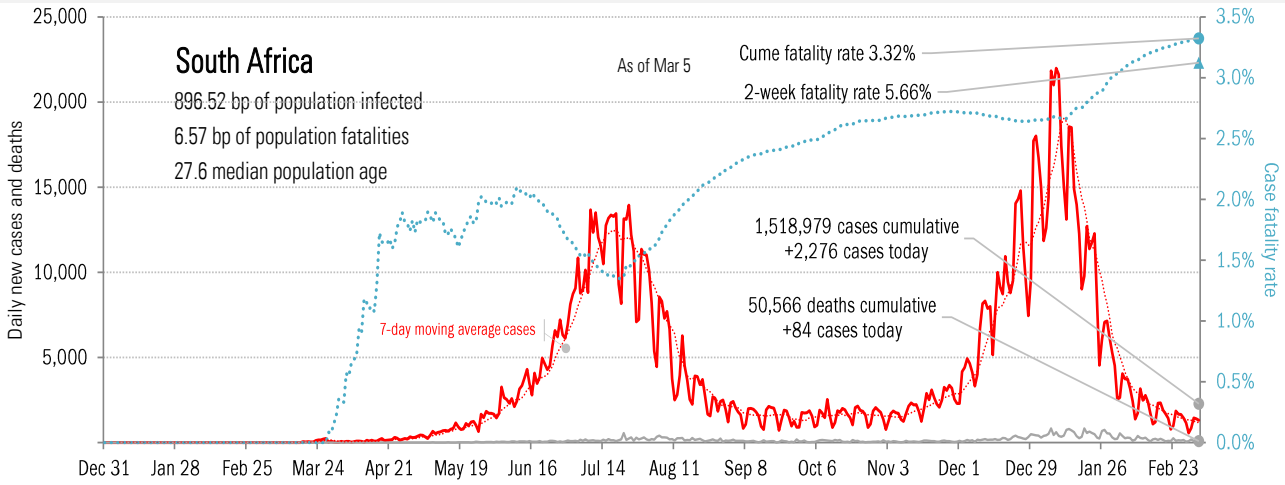
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations