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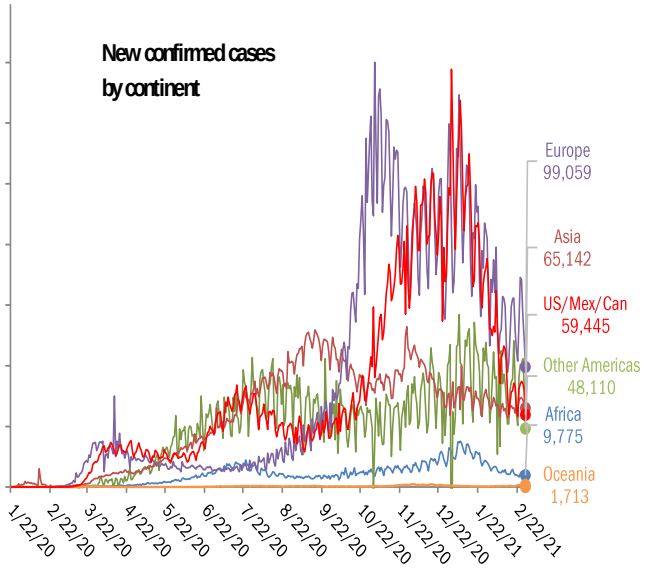
Data Insights: Covid-2019 Monitor

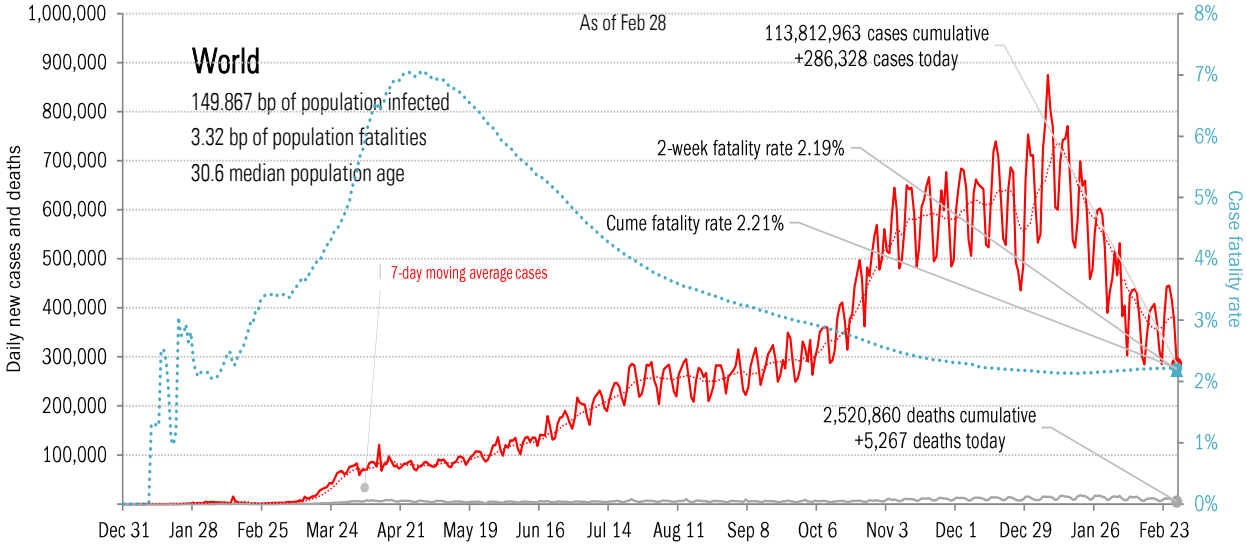
Monday, March 1, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+54,288	United States	+1,049
Brazil	+34,027	Brazil	+721
Italy	+17,440	Mexico	+458
India	+15,510	Russia	+370
Russia	+11,234	Italy	+192
Poland	+10,101	Indonesia	+185
Turkey	+8,424	Czechia	+145
Iran	+8,010	United Kingdom	+144
Czechia	+7,885	Slovakia	+114
Germany	+6,118	Poland	+113
	+173,037		+3,491
World	+286,328	World	+5,267
Top ten	60%	Top ten	66%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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The US scorecard

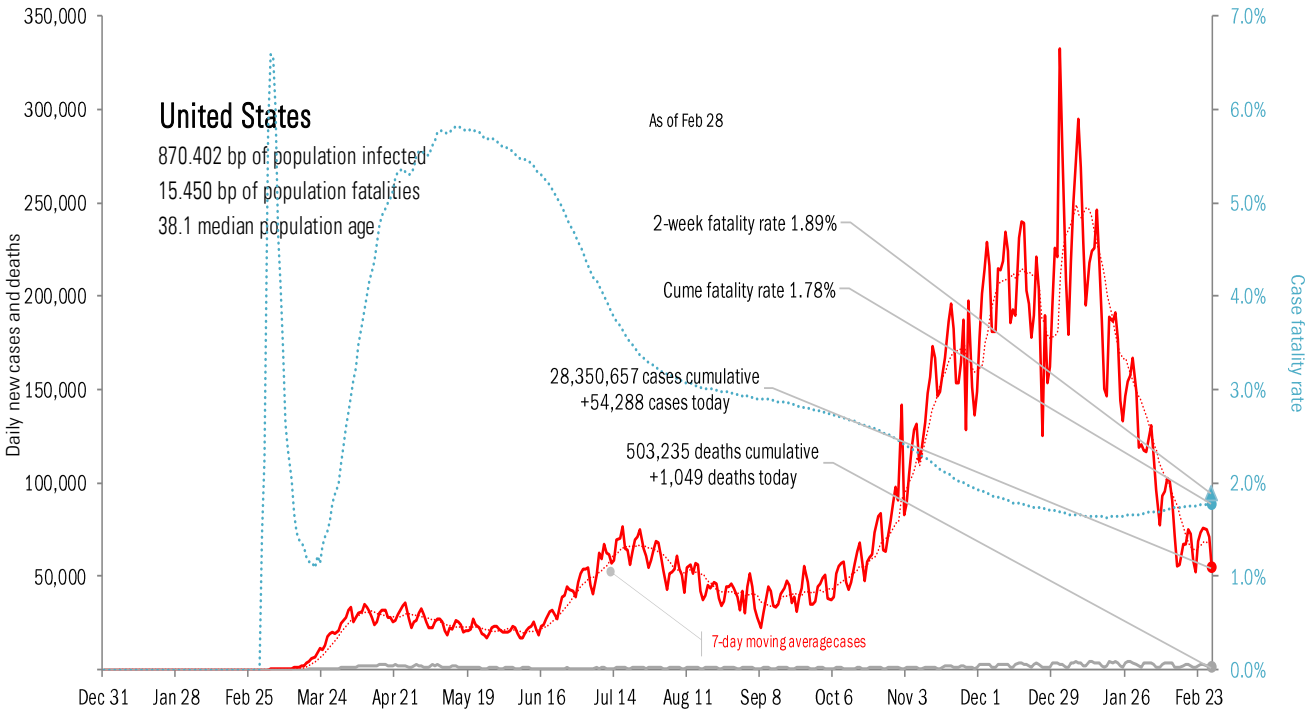
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	+7,580	TX	+197	AL	+35	CA	3,475,562	CA	51,979	NY	89,995	RI	100%	DC	88%
FL	+5,385	VA	+170	IA	+15	TX	2,644,024	TX	42,936	FL	80,572	MA	80%	DE	83%
CA	+4,685	CA	+158	CO	+11	FL	1,874,154	NY	38,497	NJ	63,713	CT	80%	TX	82%
TX	+3,815	FL	+126	WV	+2	NY	1,630,445	FL	31,406	AZ	57,599	MD	79%	RI	82%
AR	+3,220	NY	+90	AK	+0	IL	1,186,696	PA	24,021	GA	56,039	MO	79%	AL	82%
NJ	+2,389	PA	+84	AS	+0	GA	1,006,521	NJ	23,252	OH	50,279	GA	77%	GA	81%
GA	+2,334	OH	+60	CT	+0	OH	967,422	IL	22,735	AL	45,428	FL	77%	MO	81%
PA	+1,945	MA	+51	GU	+0	PA	931,642	OH	17,297	IN	42,775	PA	77%	FL	79%
SC	+1,751	OK	+49	HI	+0	NC	858,548	GA	17,295	MD	35,000	MI	76%	NM	79%
VA	+1,736	SC	+32	ID	+0	AZ	816,782	MI	16,508	WI	26,127	SC	76%	MS	78%
	+34,840		+1,017		+63		15,391,796		285,926		547,527				
All states	+54,288		+1,049		-1519	All states	28,350,657		503,235		868,006	All states	72%		71%
Top ten	64%		97%		-4%	Top ten	54%		57%		63%	Median	70%		71%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-7,258	CA	-281	IL	-48	TX	+4,784
NC	-2,643	AR	-184	SC	-45	AR	+3,490
NJ	-1,745	GA	-74	IN	-41	NM	+2,239
MI	-1,425	MI	-70	NM	-36	OH	+2,114
PA	-1,416	AL	-62	MO	-32	TN	+1,124



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

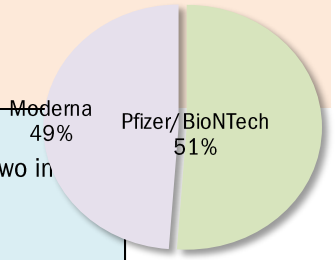
Rolling out the vaccines in the US

US overall	Over last day
96.40 million doses distributed	+0.00 million/day
75.24 million doses administered	+2.43 million/day
49.77 million persons with one shot	+1.34 million/day
24.78 million persons with two shots	+1.08 million/day
7.11 million shots long-term care residents/staff	+0.07 million/day

78.0% of distributed doses administered

15.0% of US pop 1 shot **7.5% 2 shots**

100% of LTC 1 shot **54.5% 2 shots**



At today's dosing pace, every American will have two in

239 days

by Oct 25, 2021

US will achieve herd immunity in

108 days

by Jun 15, 2021

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

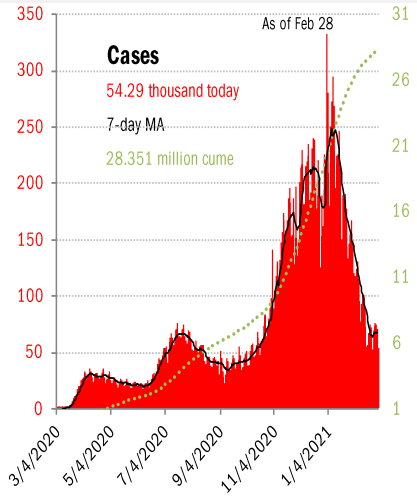
AK										ME
46.8%										31.0%
22.8%										16.9%
13.3%					WI				VT	NH
					27.3%				33.2%	30.3%
					16.5%				16.8%	17.2%
					8.6%				8.7%	7.3%
WA	ID	MT	ND	MN	IL	MI		NY	MA	
29.5%	27.2%	32.0%	32.4%	28.4%	28.2%	27.1%		29.6%	30.3%	
14.9%	14.4%	17.7%	19.3%	16.7%	15.8%	14.9%		13.8%	17.7%	
7.6%	7.2%	8.7%	10.2%	8.1%	6.4%	8.4%		7.4%	7.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
29.4%	28.2%	33.8%	37.2%	28.6%	27.5%	28.2%	30.6%	28.2%	33.6%	29.1%
15.0%	14.5%	17.3%	20.8%	16.9%	14.9%	14.4%	14.9%	16.0%	19.4%	17.3%
8.4%	7.3%	9.4%	10.6%	5.7%	8.4%	7.7%	6.5%	8.1%	8.4%	7.0%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
29.3%	25.6%	29.5%	31.2%	27.6%	29.5%	33.8%	29.7%	30.4%	30.0%	
15.5%	12.2%	15.7%	16.0%	13.2%	15.6%	17.7%	15.8%	14.6%	14.8%	
6.6%	5.5%	8.0%	8.2%	6.7%	7.8%	11.4%	8.4%	8.1%	7.1%	
	AZ	NM	KS	AR	TN	NC	SC	DC		
	29.5%	35.2%	29.8%	29.6%	28.8%	28.5%	26.0%	40.3%		
	16.8%	22.3%	14.8%	13.9%	12.9%	15.0%	14.3%	11.9%		
	7.2%	11.7%	7.2%	7.5%	6.7%	8.2%	6.7%	5.7%		
			OK	LA	MS	AL	GA			
			35.4%	28.6%	29.2%	28.6%	27.1%			
			17.4%	14.3%	13.9%	13.3%	11.9%			
			9.9%	8.1%	7.1%	6.4%	7.0%			
HI			TX					FL		PR
35.2%			26.3%					29.4%		32.5%
17.5%			12.2%					14.7%		11.1%
9.7%			6.2%					8.2%		6.1%

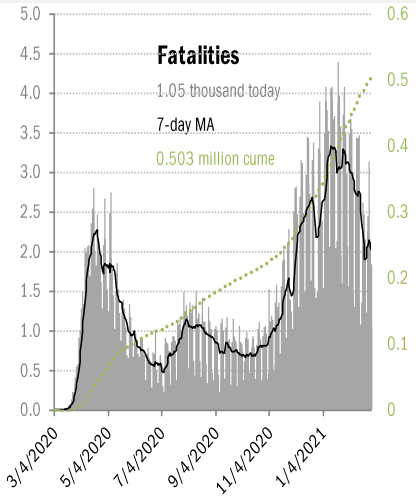
As of Feb 28

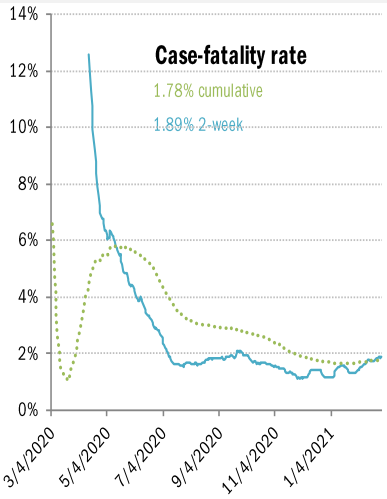
Source: CDC, CDC, TrendMacro calculations

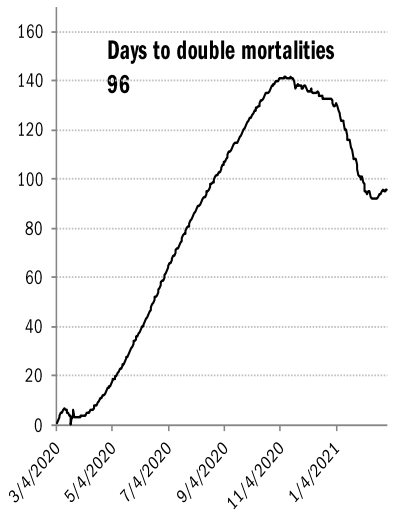
US deep-dive

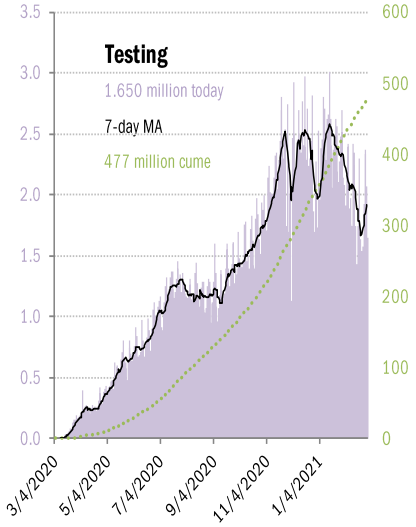
National and state-by-state data do not line up because of different sources

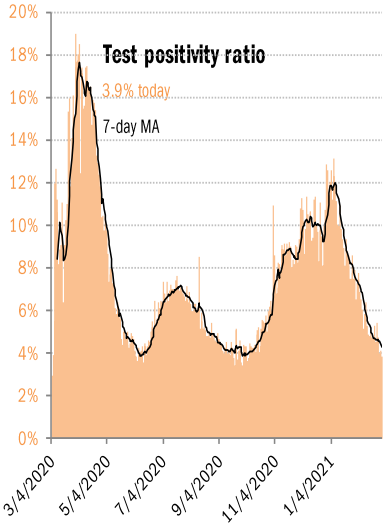


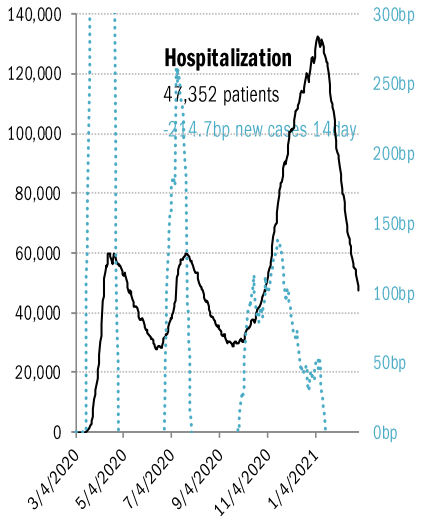


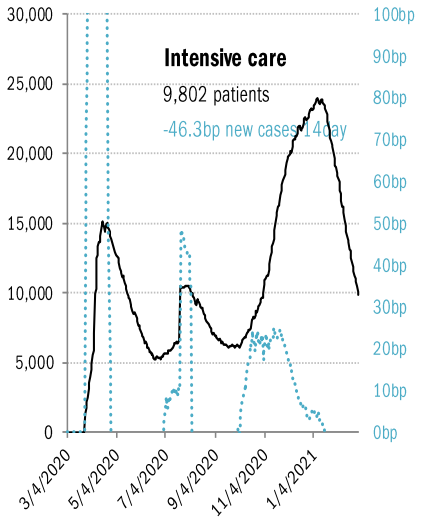


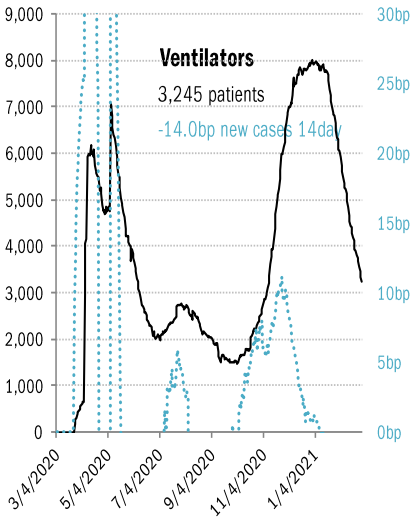






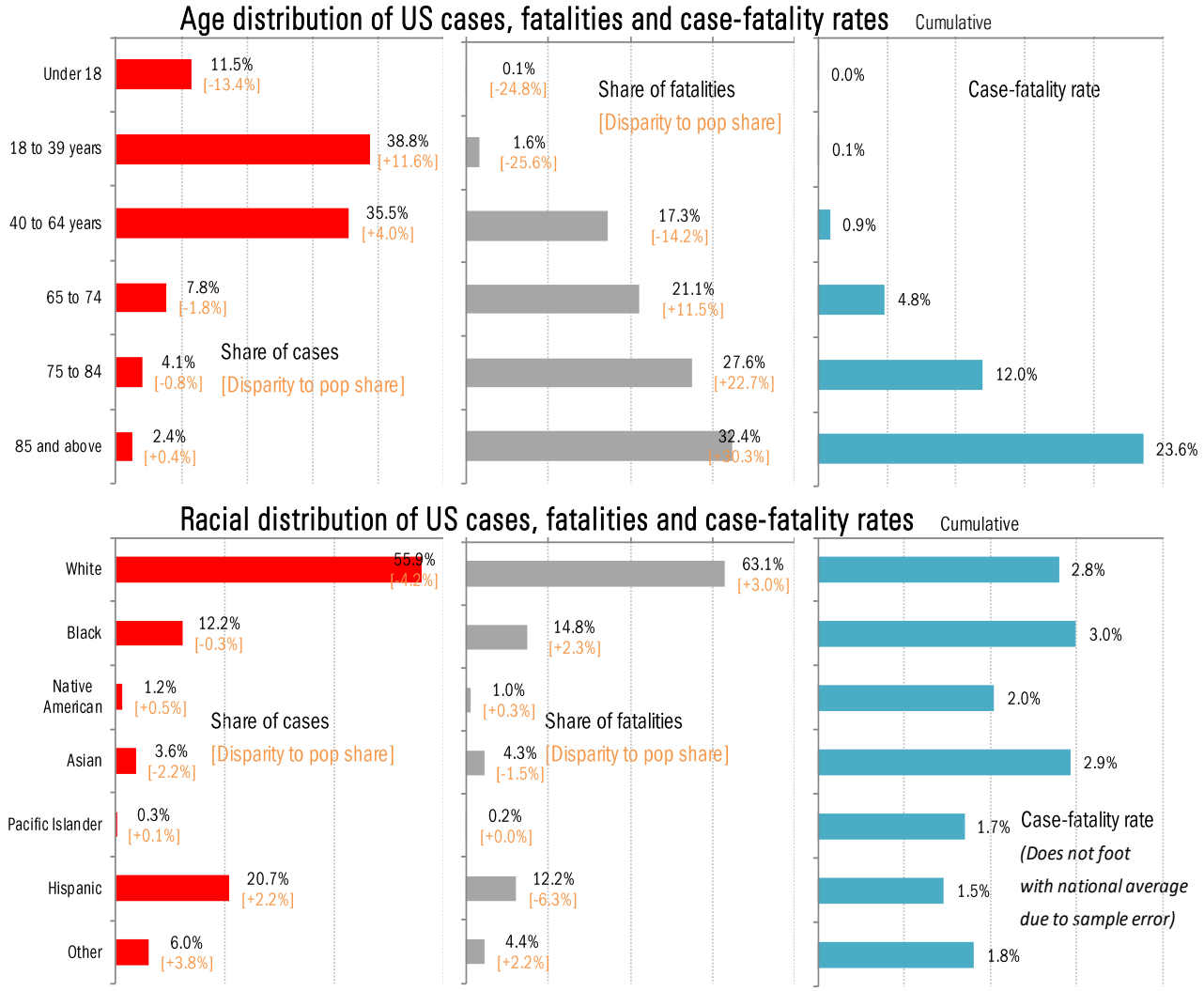




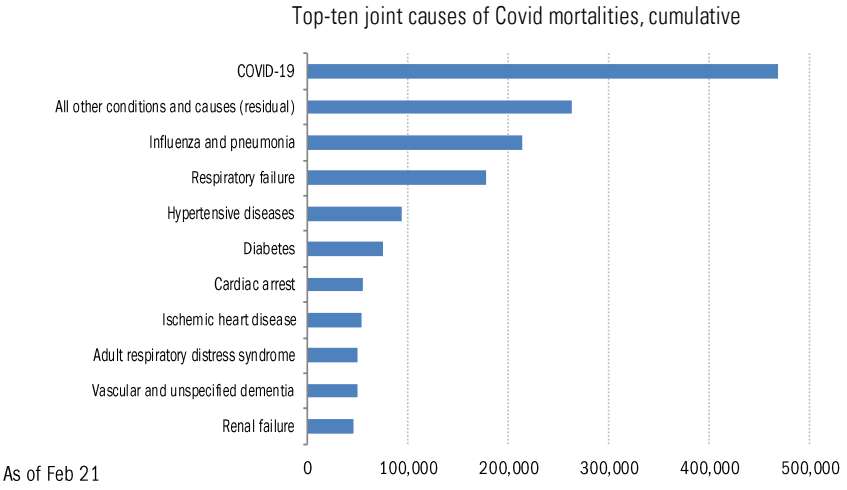


Source: Covid Tracking Project, TrendMacro calculations

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

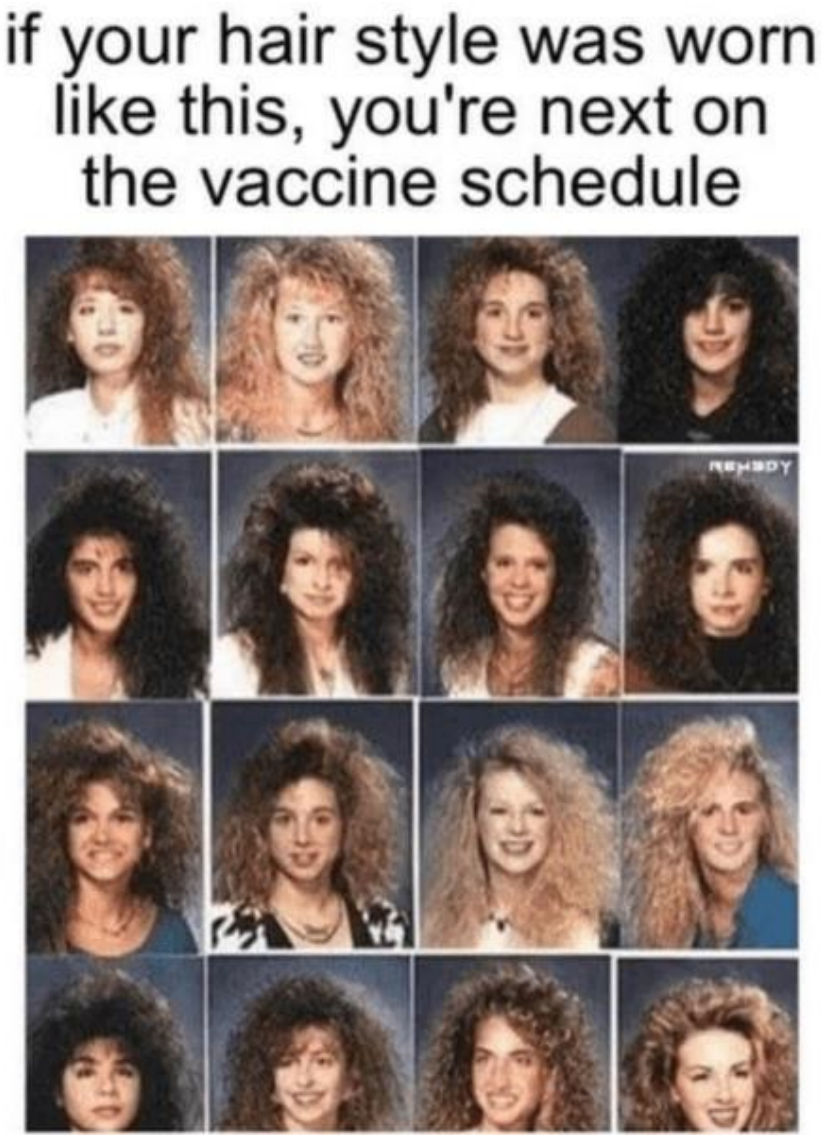
Recommended reading

[Amid Slow Vaccine Deliveries, Desperate E.U. Nations Hunt for More]
Matina Stevis-Gridneff
New York Times
February 26, 2021

[In-person classes. Old buildings. Almost no COVID. Are Philly Catholic schools a blueprint?]
Avi Wolfman-Arent
WHYY
February 21, 202

[My Teens Are Coronavirus Vaccine Guinea Pigs]
Sheila Mulrooney Eldred
New York Times
February 16, 2021

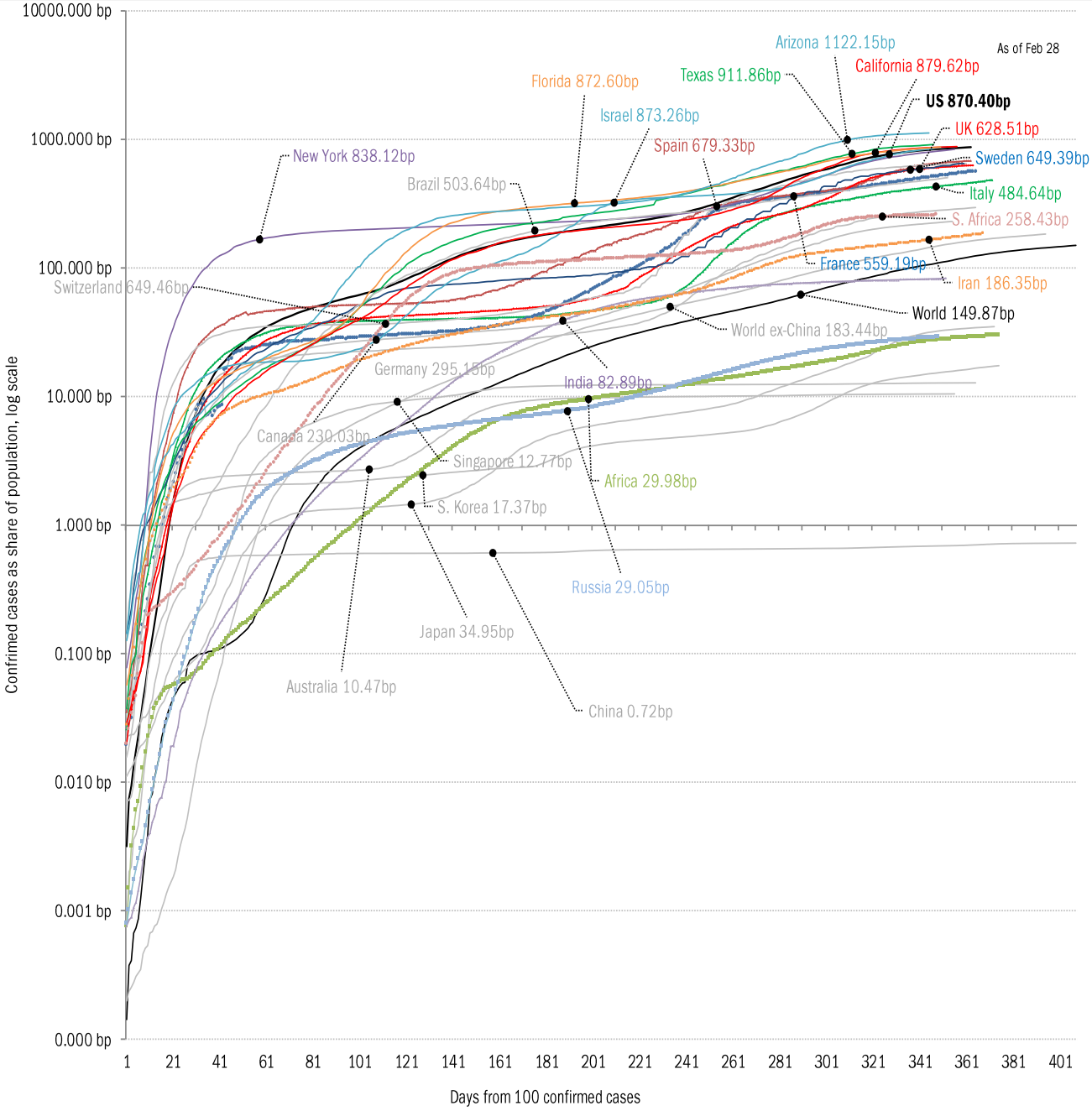
Meme of day



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

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

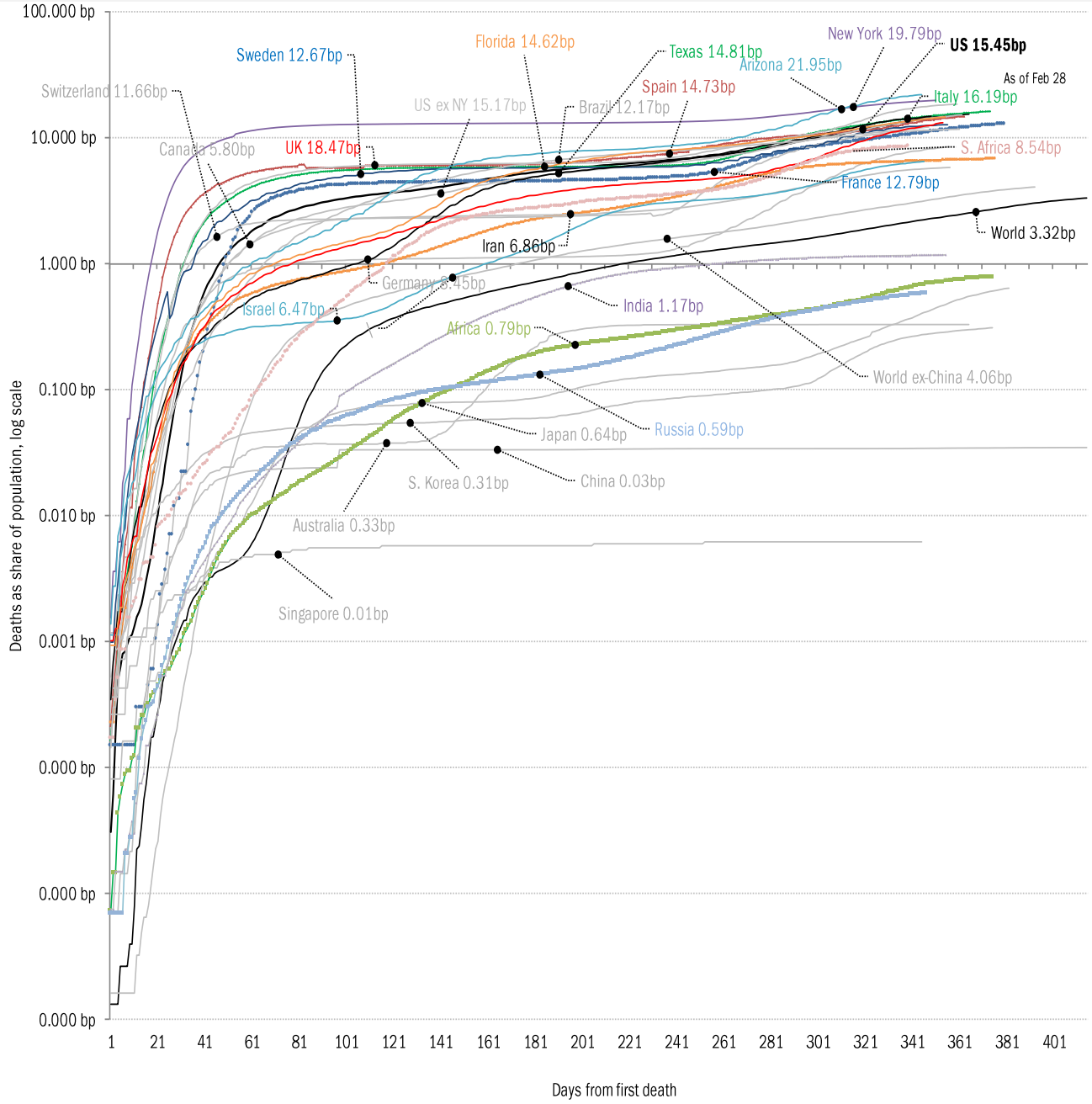
Share of infected population from first day with 100 confirmed cases, log scale



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

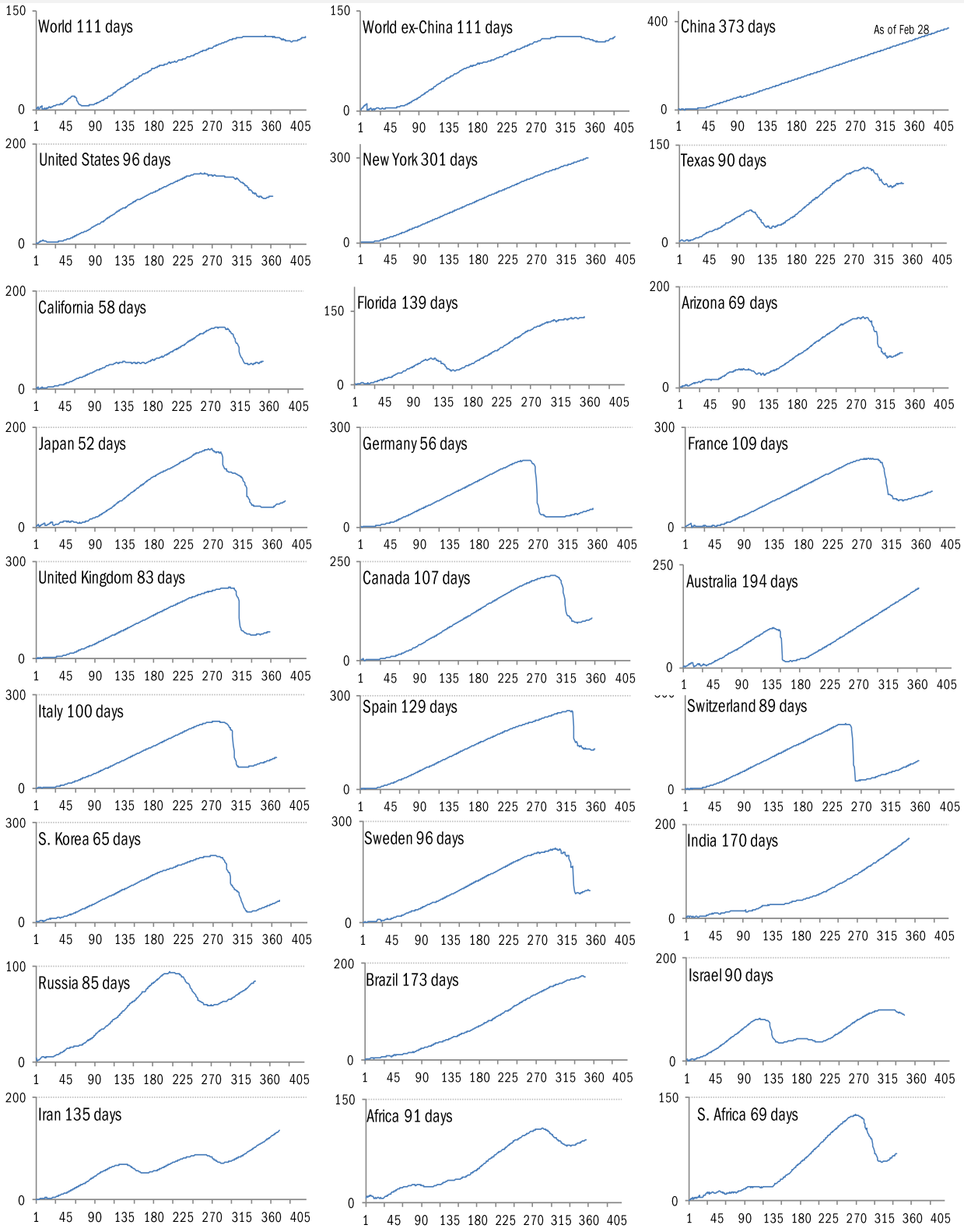


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

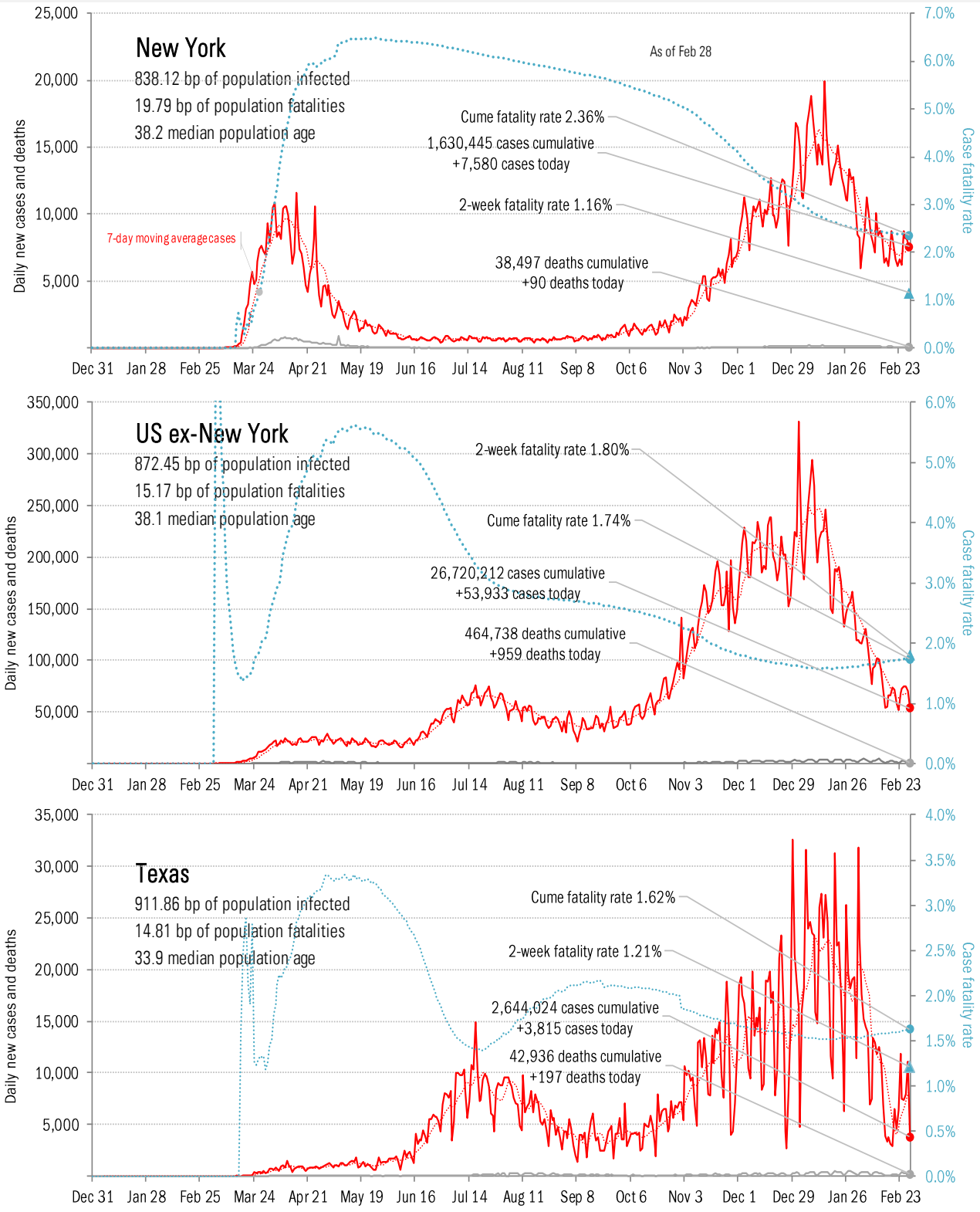
Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

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

Downward trajectory Five best Upward trajectory Five worst

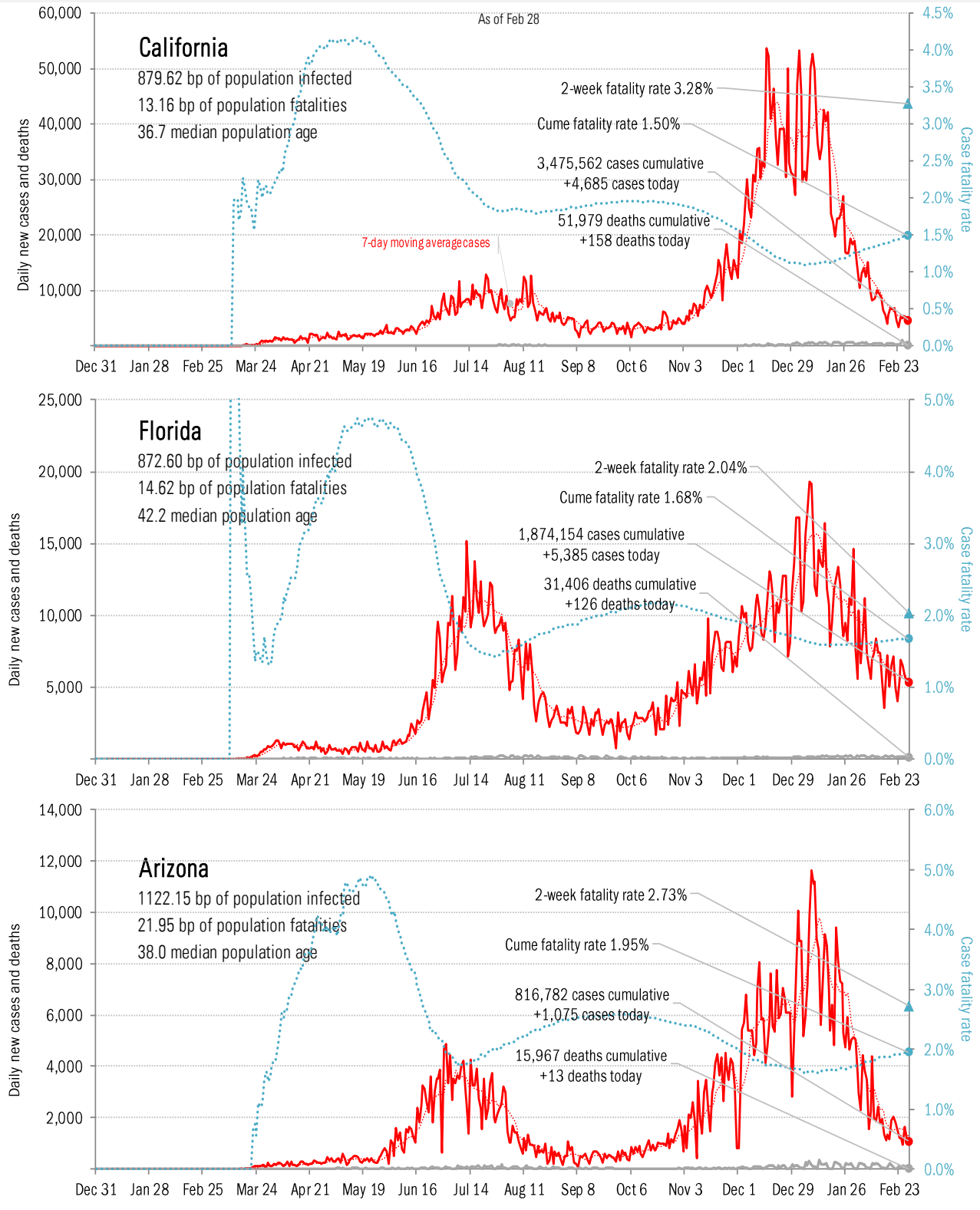
Source: Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



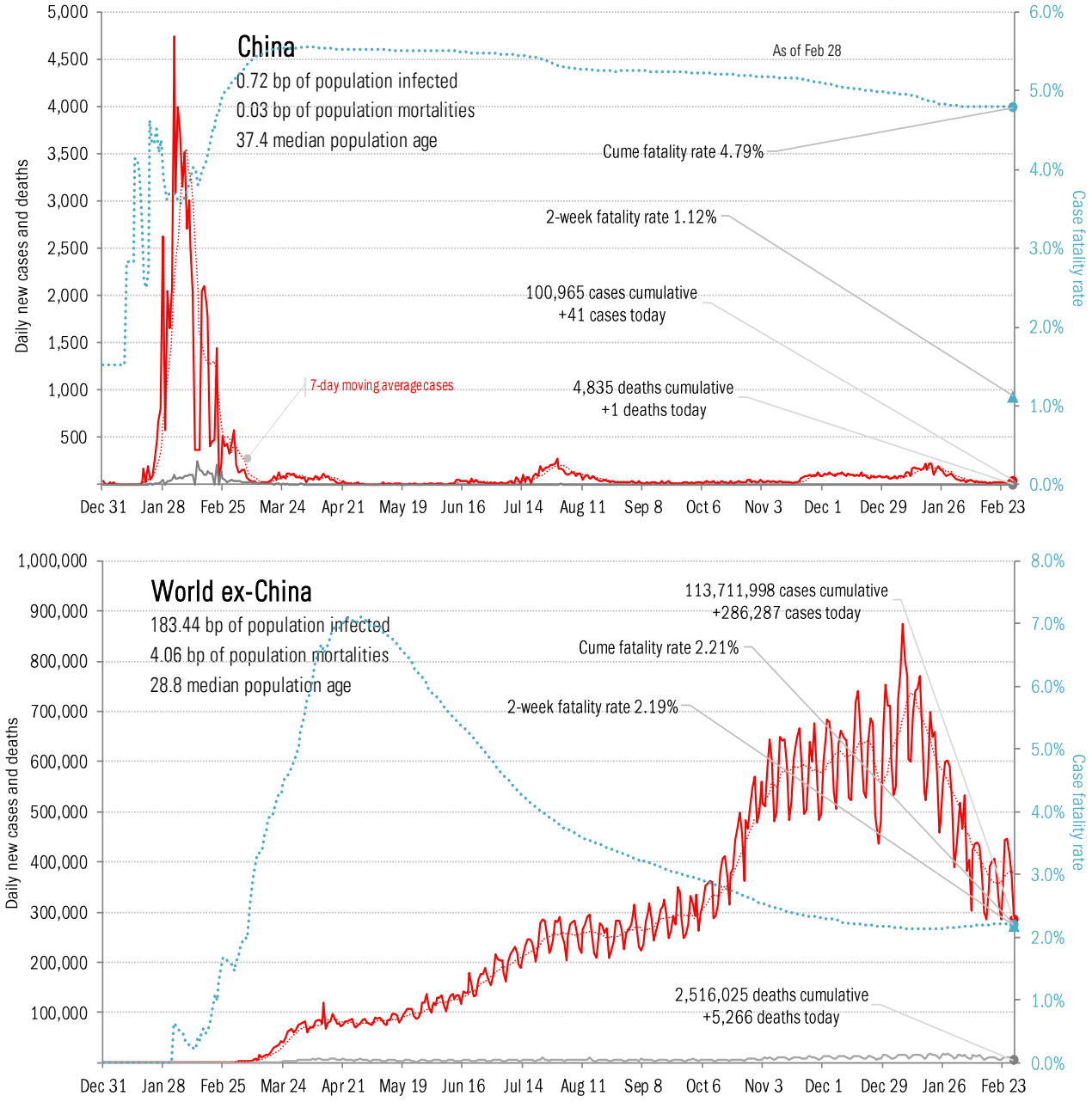
Source: Covid Tracking Project., TrendMacro calculations

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



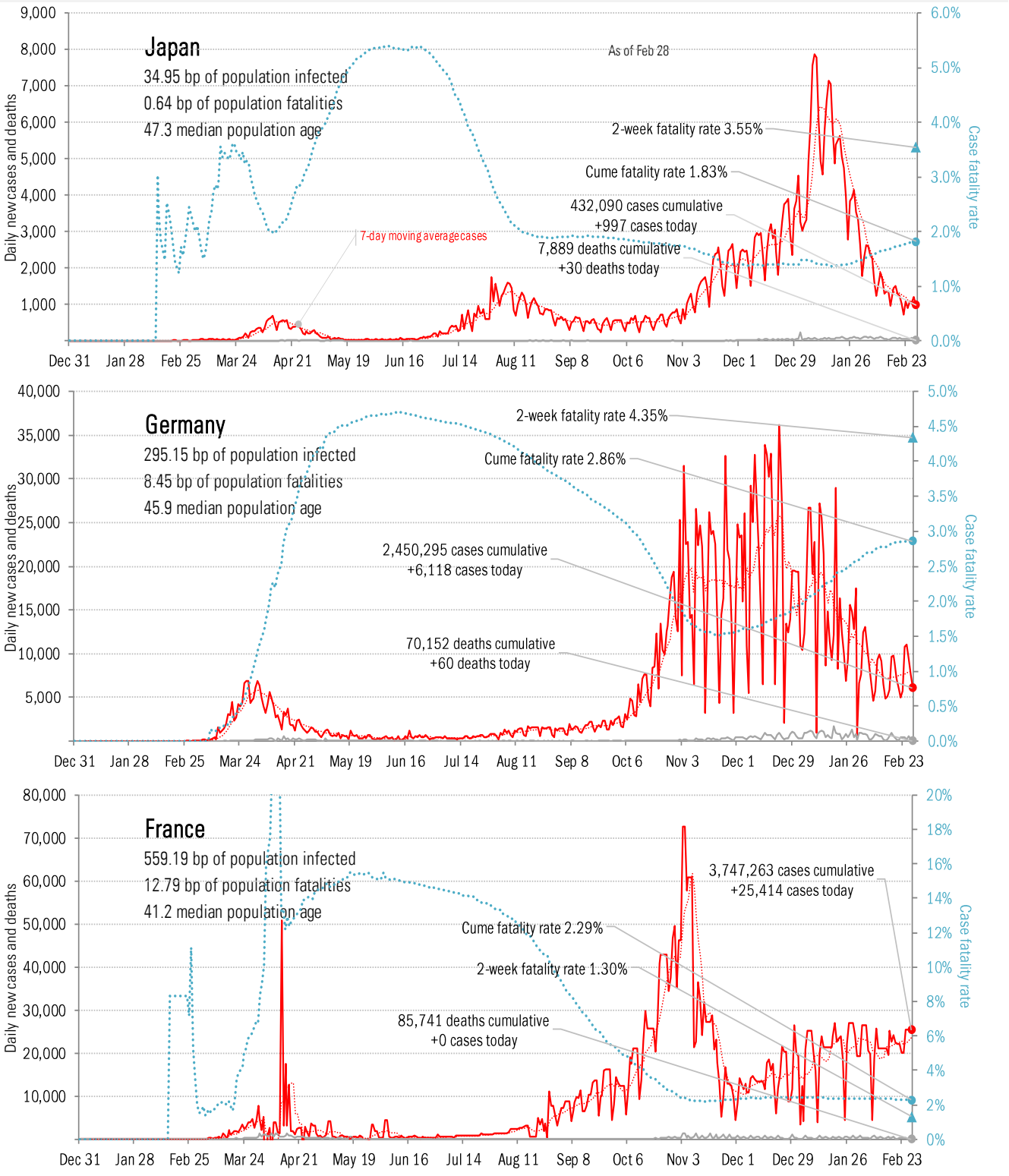
Source: Covid Tracking Project., TrendMacro calculations

Patient zero… and then everyone else



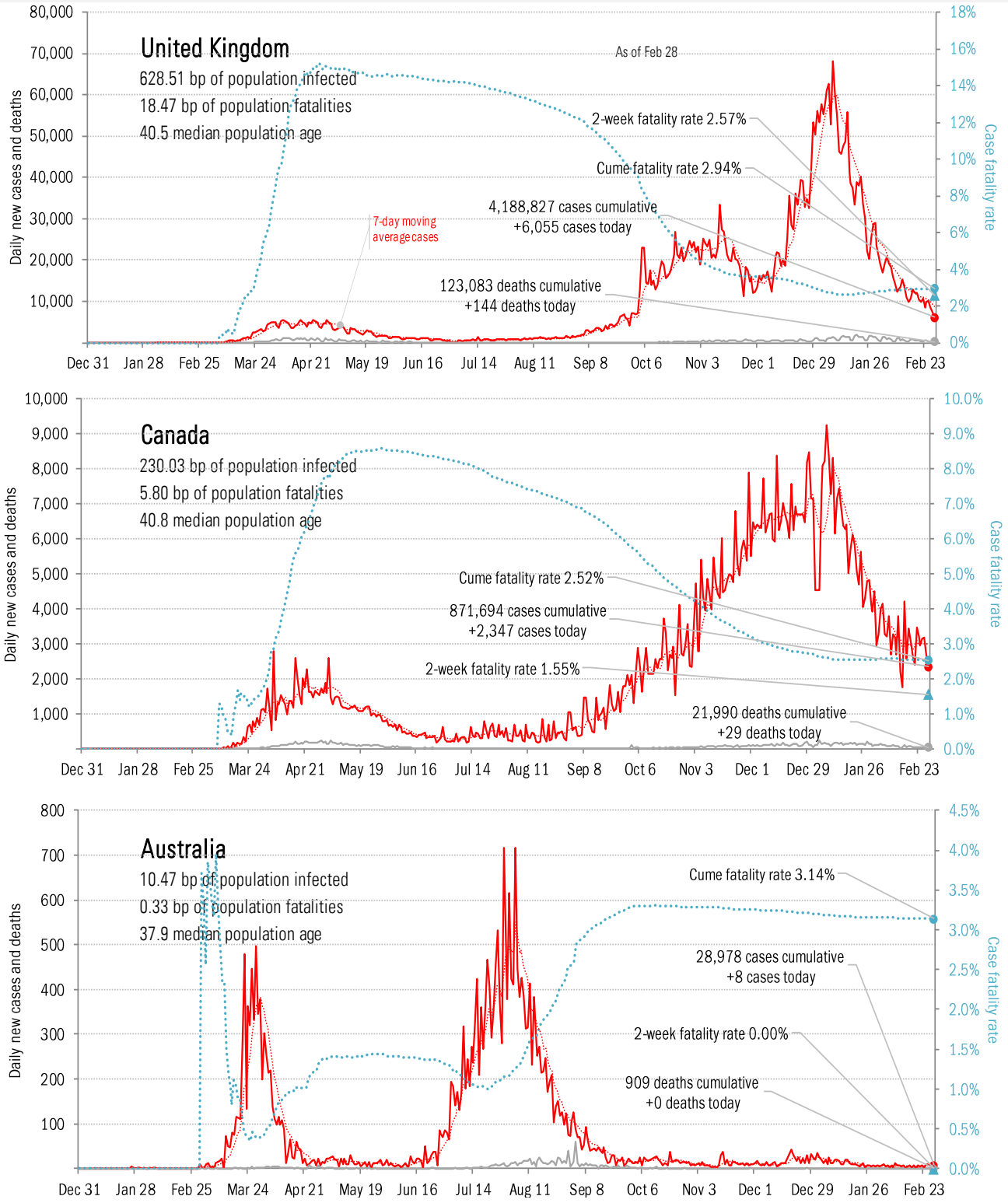
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



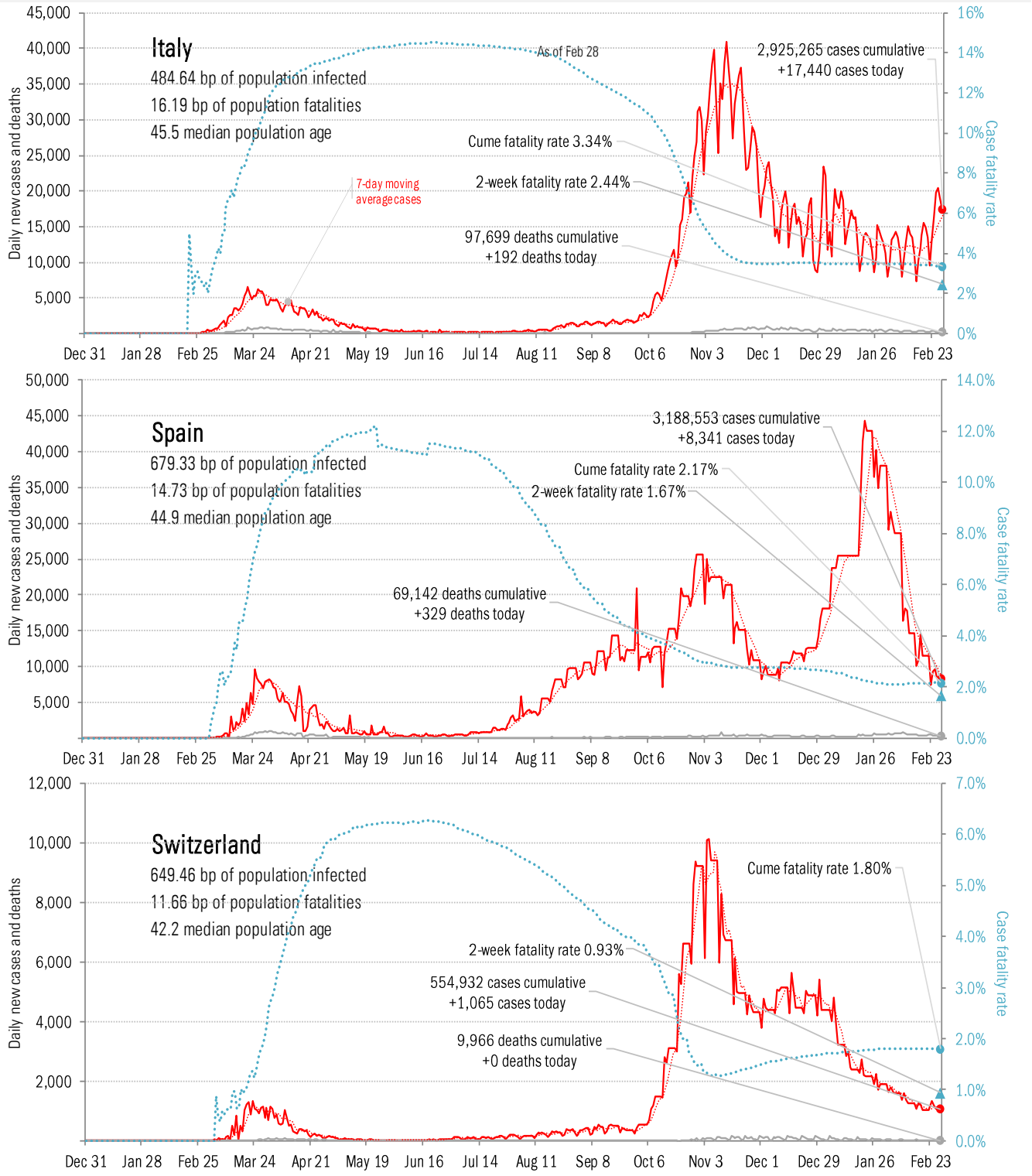
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



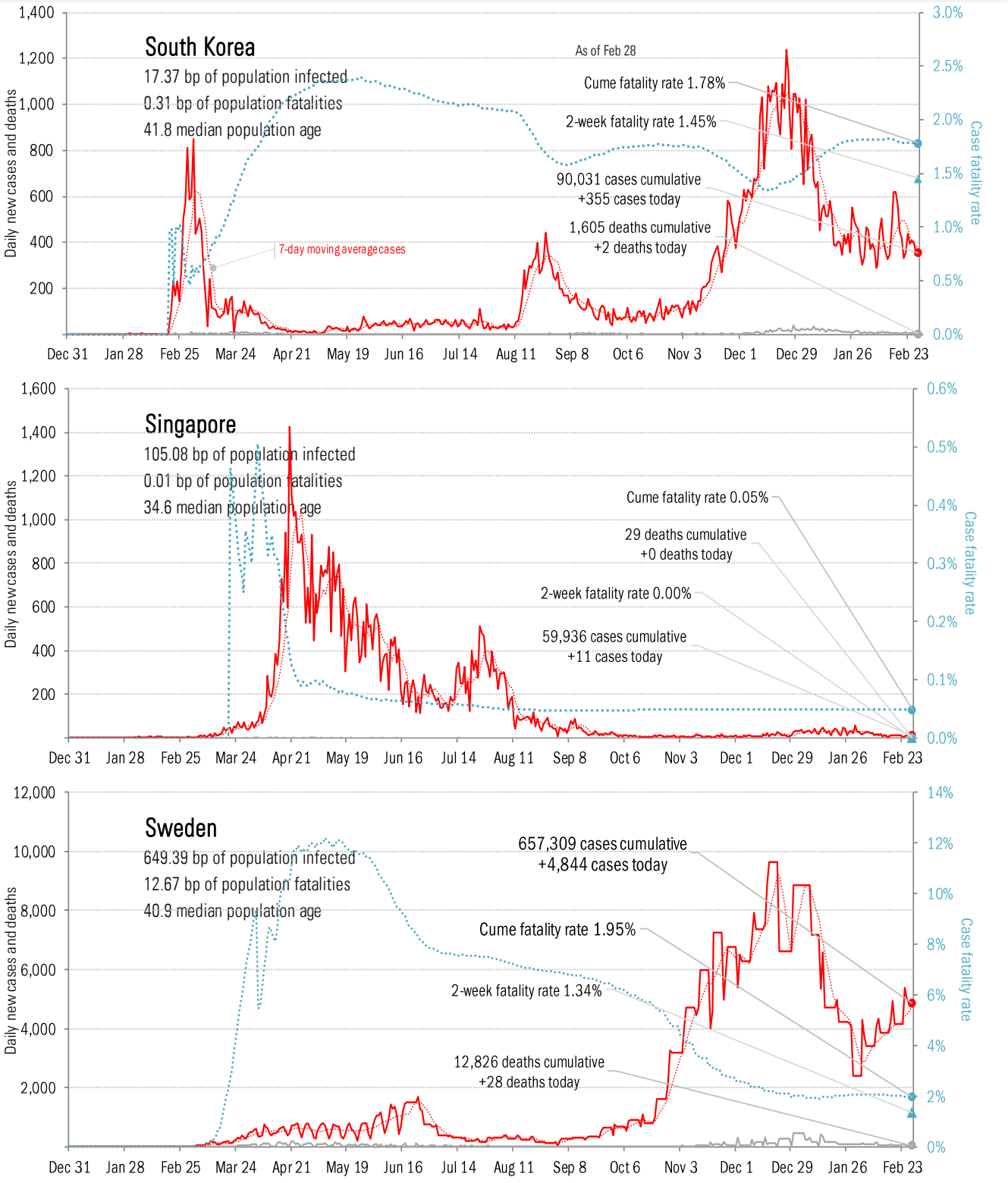
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



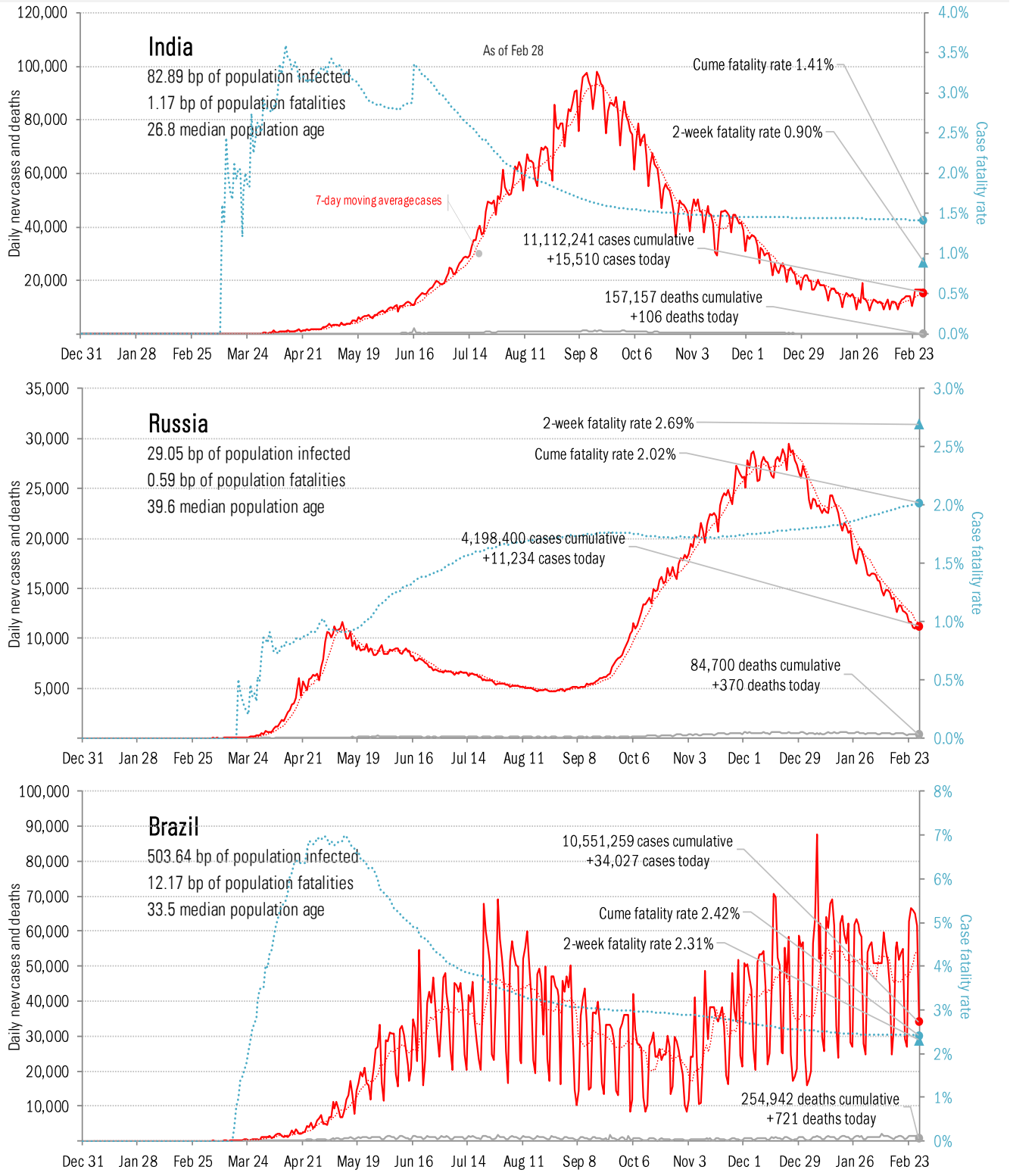
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



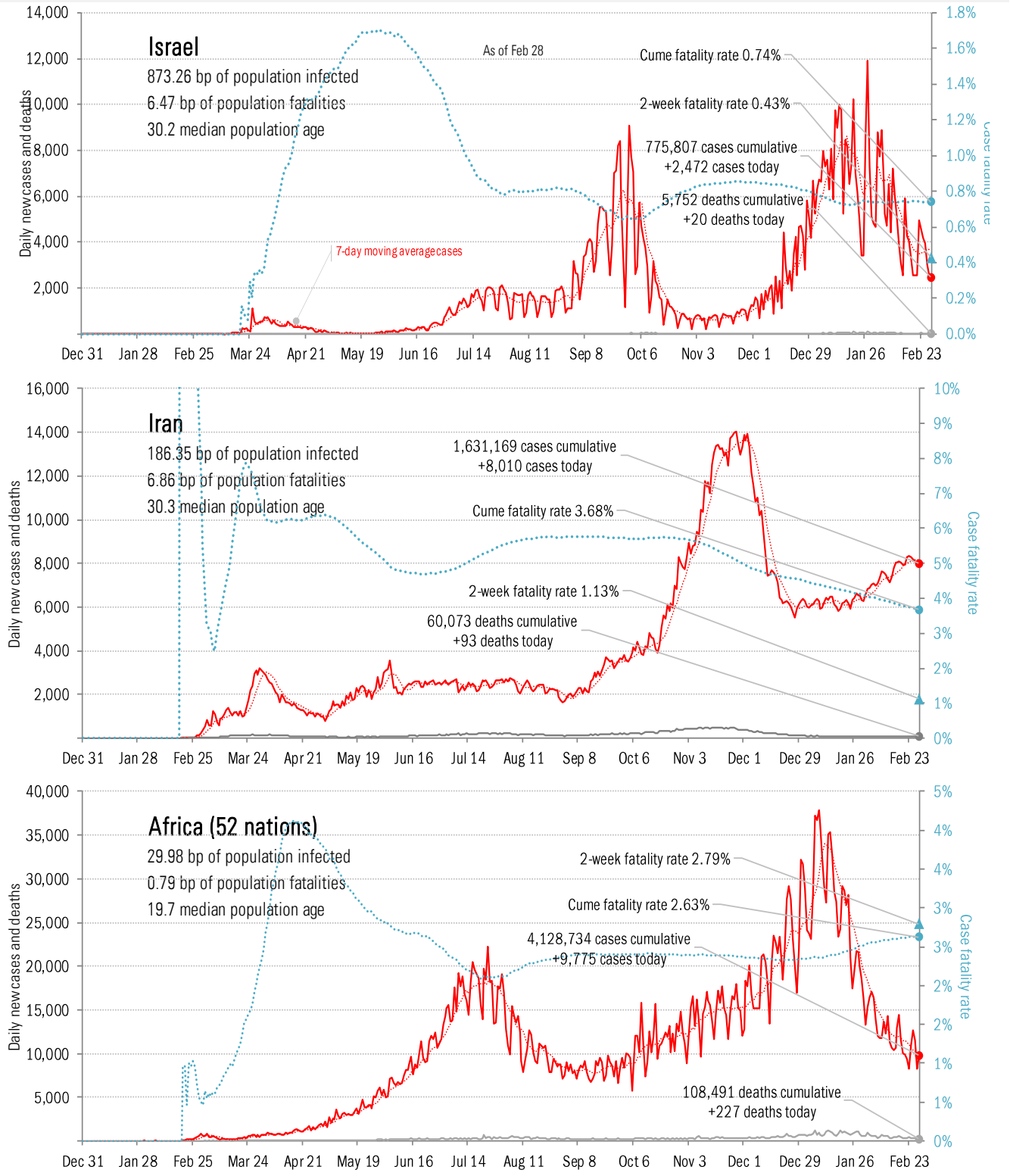
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



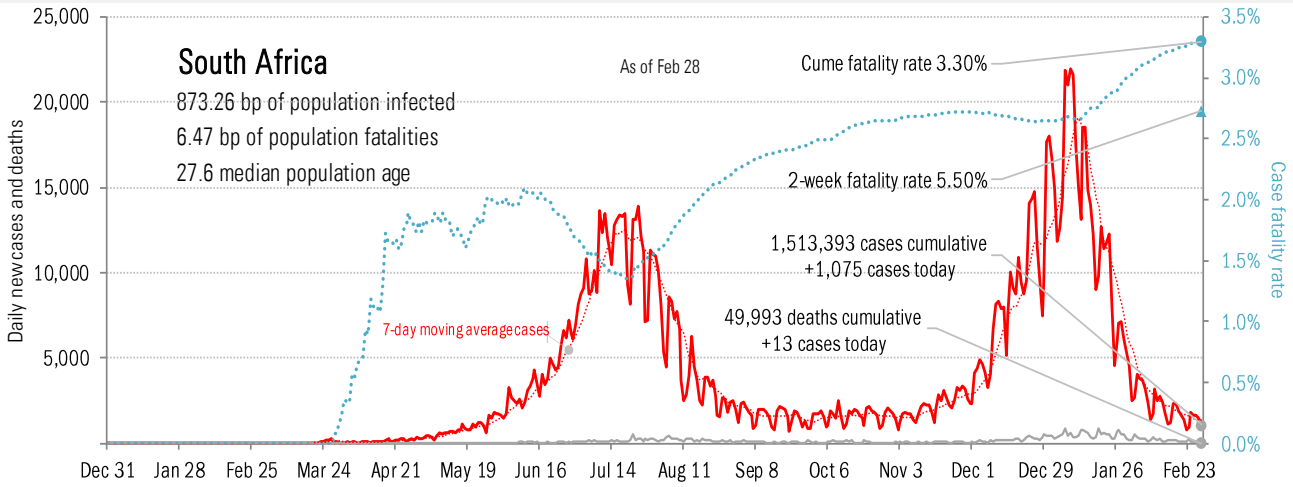
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations