Trend Macrolytics, LLC
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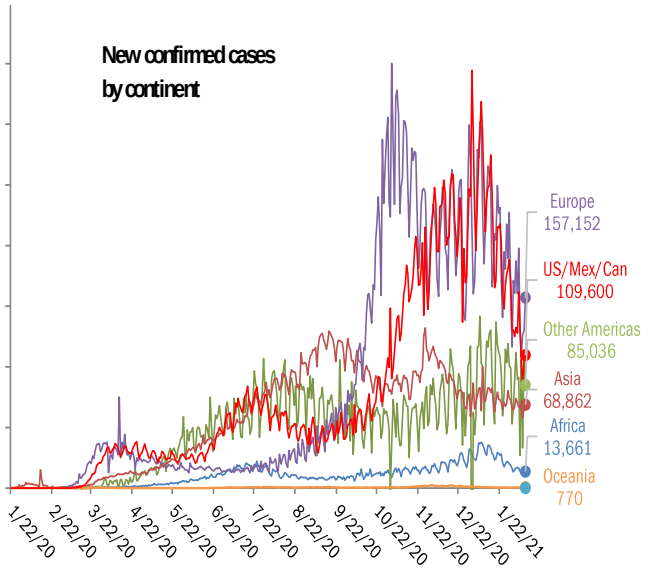
Data Insights: Covid-2019 Monitor

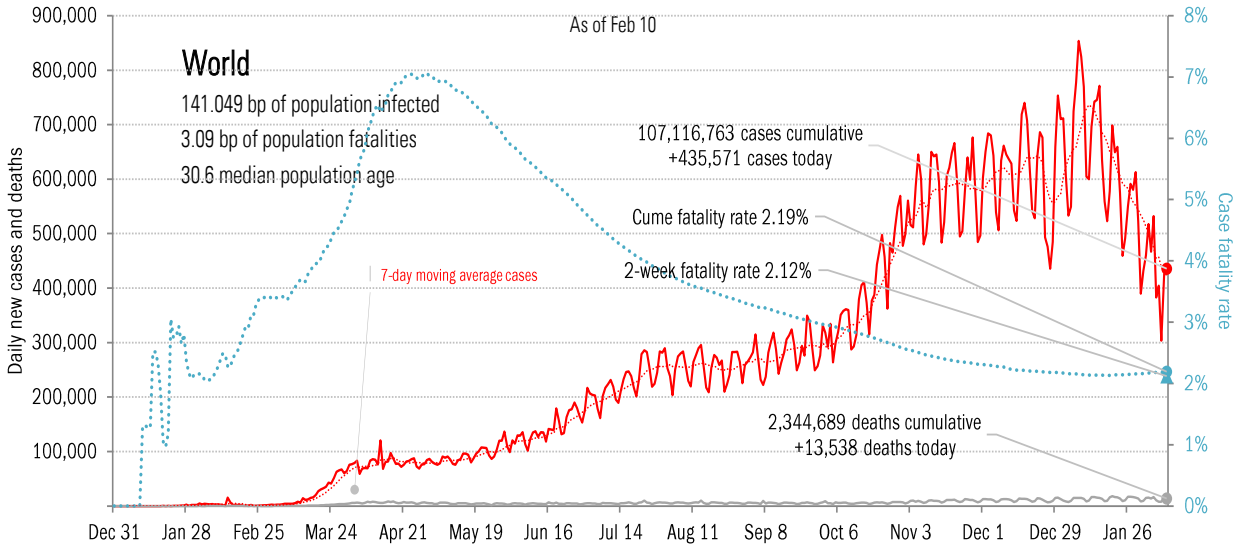
Thursday, February 11, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+95,194	United States	+3,445
Brazil	+59,602	Brazil	+1,330
France	+25,678	Mexico	+1,328
Spain	+18,114	United Kingdom	+1,002
Russia	+14,258	Germany	+666
United Kingdom	+13,077	Spain	+643
Italy	+12,947	Russia	+526
India	+12,923	Poland	+361
Mexico	+11,138	Italy	+336
Czechia	+10,283	France	+296
	+273,214		+9,933
World	+435,571	World	+13,538
Top ten	63%	Top ten	73%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
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The US scorecard

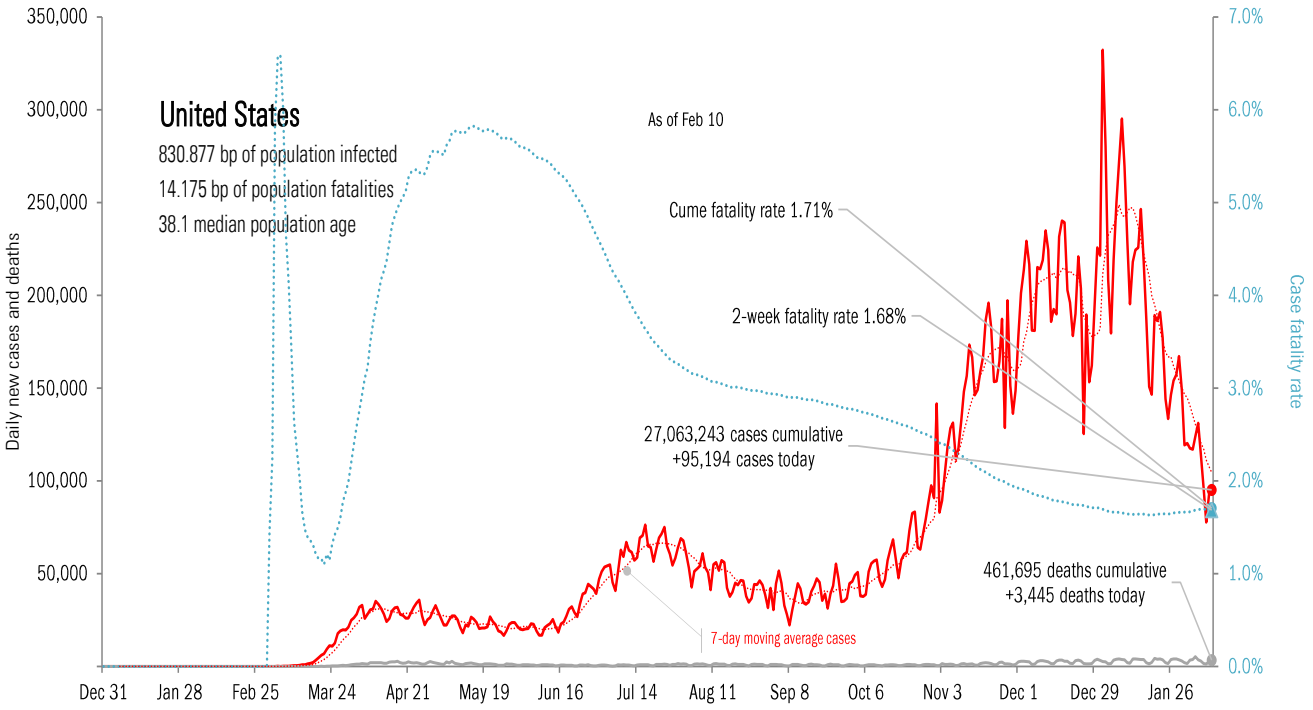
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	+12,897	CA	+518	KS	+58	CA	3,362,981	CA	44,995	NY	89,995	RI	101%	GA	87%
CA	+8,390	TX	+385	TN	+15	TX	2,517,453	TX	39,386	FL	76,286	GA	83%	RI	86%
FL	+7,405	AL	+309	WY	+13	FL	1,765,659	NY	36,619	NJ	61,952	SC	81%	AL	86%
NY	+7,101	AZ	+176	NM	+10	NY	1,494,187	FL	28,691	AZ	55,088	FL	81%	OK	85%
NJ	+4,370	FL	+165	IN	+8	IL	1,152,995	PA	22,745	GA	52,543	CT	80%	DC	84%
NC	+3,833	NJ	+147	MT	+6	GA	950,906	NJ	22,250	OH	48,080	MA	79%	TX	83%
GA	+3,490	NY	+138	UT	+6	OH	928,631	IL	21,869	AL	43,685	PA	78%	CA	82%
PA	+3,378	NC	+135	GU	+2	PA	880,291	MI	15,939	IN	41,292	CA	78%	FL	81%
OH	+3,281	PA	+125	PR	+2	NC	805,898	GA	15,421	MD	33,398	MD	77%	MO	81%
VA	+3,203	GA	+120	AS	+0	AZ	789,245	MA	15,207	WI	25,090	DC	77%	SC	80%
	+57,348		+2,218		+120		14,648,246		263,122		527,409				
All states	+95,194		+3,445		-2200	All states	27,063,243		461,695		834,314	All states	72%		74%
Top ten	60%		64%		-5%	Top ten	54%		57%		63%	Median	71%		72%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
AZ	-2,404	FL	-74	NY	-441	TX	+43,460
WA	-2,257	AZ	-55	TX	-236	LA	+17,216
LA	-1,032	GA	-51	CA	-207	AL	+11,741
NY	-765	MI	-48	NC	-118	PA	+11,674
PA	-710	MS	-47	PA	-110	OH	+6,804



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

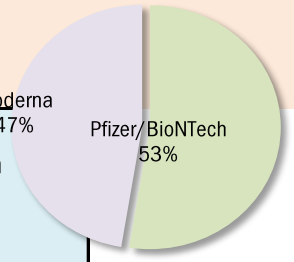
Rolling out the vaccines in the US

US overall	Over last day
65.97 million doses distributed	+3.07 million/day
44.77 million doses administered	+1.56 million/day
33.78 million persons with one or more shot	+0.92 million/day
10.47 million persons with two or more shots	+0.63 million/day
5.18 million shots long-term care residents/staff	+0.16 million/day

67.9% of distributed doses administered

13.6% of US pop at least 1 shot **3.2% 2 shots**

100% of LTC at least 1 shot **28.3% 2 shots**



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

391 days

by Mar 8, 2022

US will achieve herd immunity in

189 days

by Aug 17, 2021

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

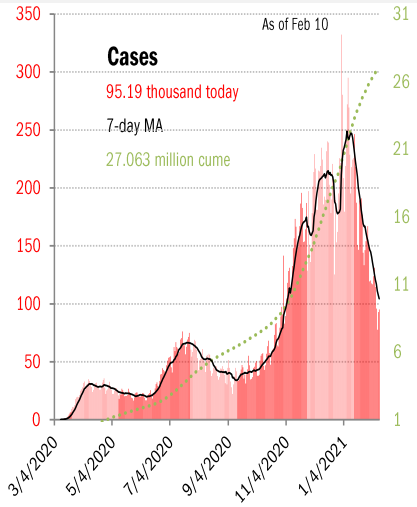
AK										ME	
35.6%										21.3%	
15.4%										10.5%	
6.0%										3.7%	
						WI			VT	NH	
						18.2%			21.5%	20.4%	
						10.6%			10.5%	9.2%	
						2.9%			4.5%	3.7%	
WA	ID	MT	ND	MN	IL	MI		NY	MA		
18.5%	17.3%	18.0%	18.8%	18.8%	18.4%	18.7%		19.2%	20.2%		
10.2%	8.7%	9.9%	11.7%	9.6%	9.5%	9.7%		9.4%	10.0%		
2.8%	2.2%	3.6%	5.1%	2.9%	2.5%	3.7%		3.2%	2.8%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI	
19.7%	16.9%	20.3%	19.6%	17.1%	19.2%	18.4%	19.0%	19.0%	22.5%	19.7%	
10.3%	9.5%	10.6%	10.7%	8.5%	9.2%	9.2%	9.2%	9.9%	11.9%	8.3%	
3.6%	2.4%	3.1%	4.7%	3.0%	2.6%	2.8%	2.8%	2.9%	4.0%	3.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE		
19.3%	17.3%	19.3%	20.6%	16.6%	18.8%	21.2%	18.3%	18.2%	18.8%		
10.1%	9.6%	9.7%	8.7%	8.3%	9.9%	12.4%	10.8%	9.1%	10.6%		
2.4%	3.3%	3.9%	3.6%	2.5%	3.1%	6.2%	2.7%	2.8%	2.7%		
	AZ	NM	KS	AR	TN	NC	SC	DC			
	18.8%	19.6%	19.0%	19.3%	17.9%	17.5%	14.2%	25.5%			
	9.9%	12.3%	8.3%	10.3%	8.5%	9.9%	9.2%	10.7%			
	2.4%	4.4%	2.6%	3.4%	3.8%	2.9%	2.5%	3.8%			
			OK	LA	MS	AL	GA				
			19.7%	19.0%	19.2%	17.6%	18.0%				
			11.1%	9.6%	9.3%	8.4%	8.9%				
			4.1%	4.1%	2.3%	2.1%	2.4%				
HI			TX					FL		PR	
20.9%			17.3%					19.8%		20.4%	
10.0%			9.2%					9.6%		7.6%	
3.0%			3.1%					3.5%		2.5%	

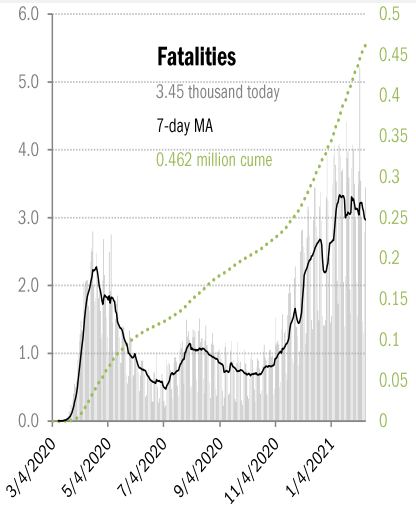
As of Feb 10

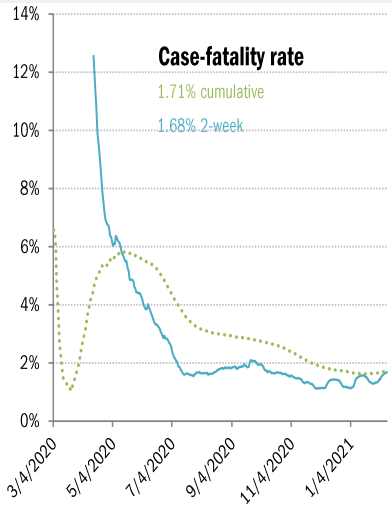
Source: CDC, CDC, TrendMacro calculations

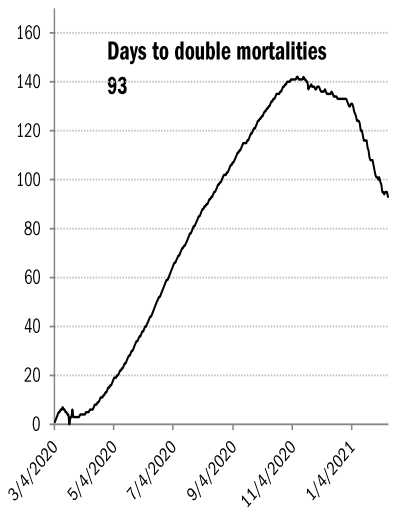
US deep-dive

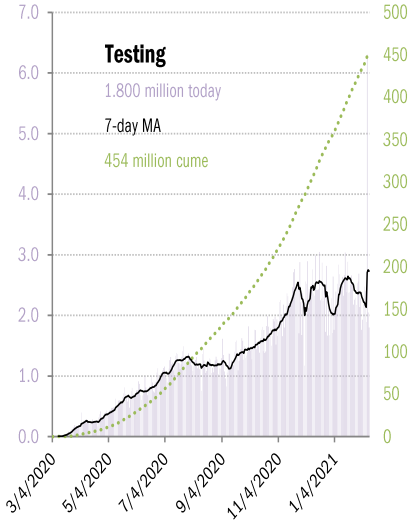
National and state-by-state data do not line up because of different sources

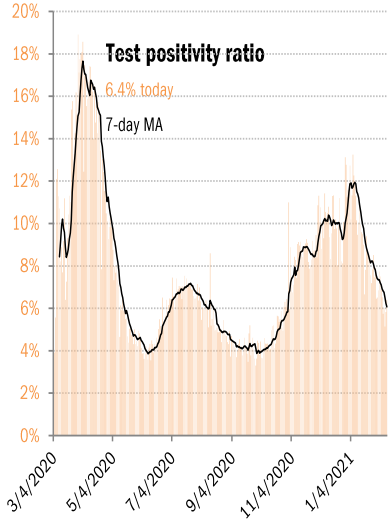


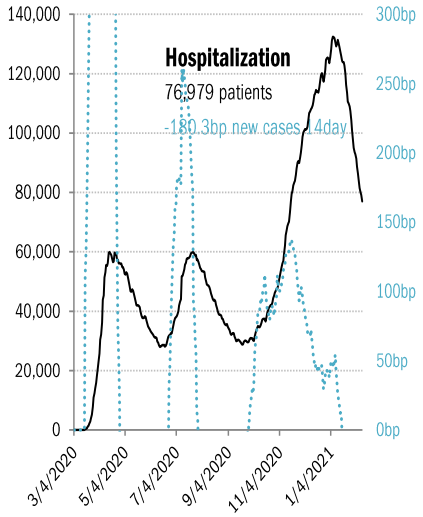


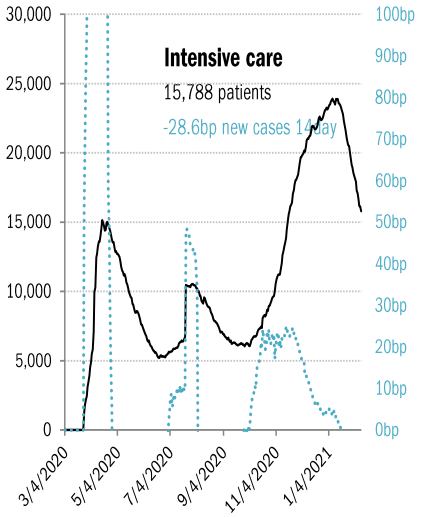


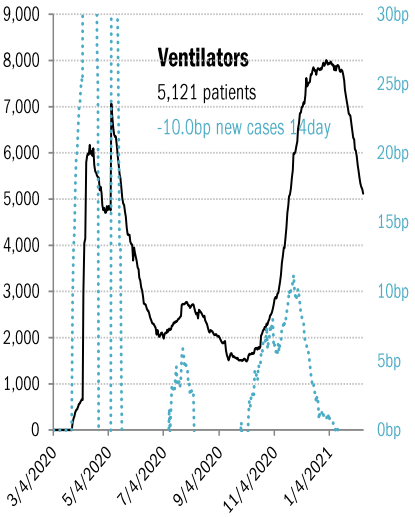






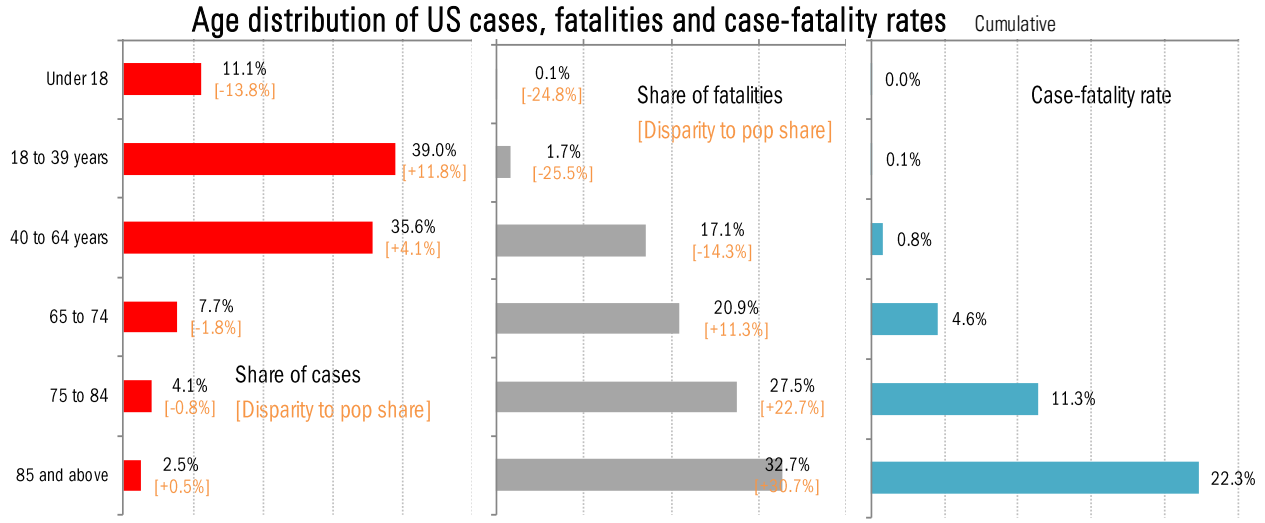


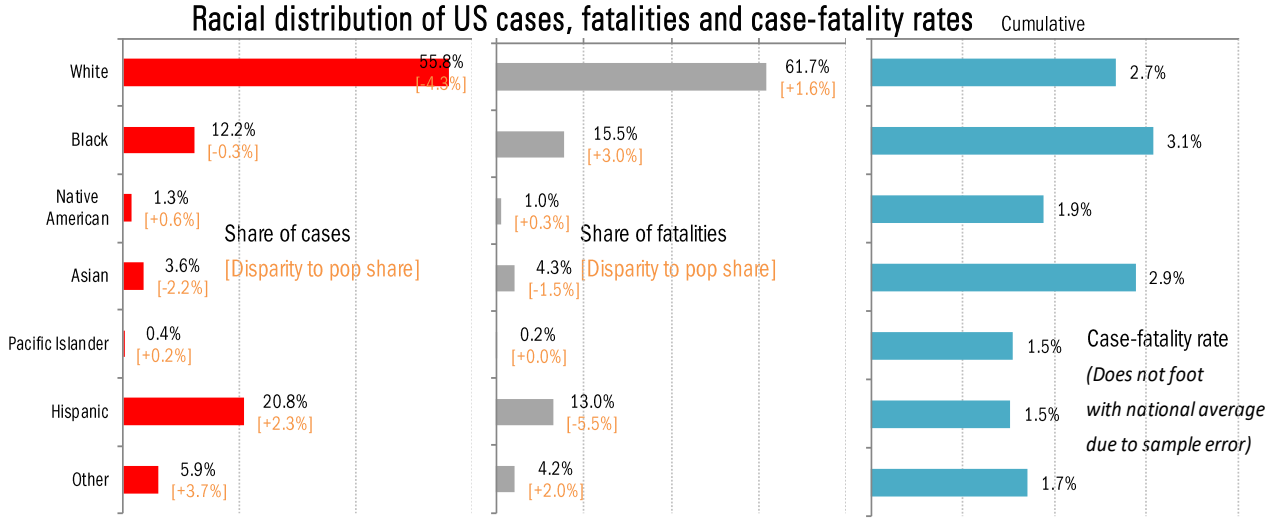




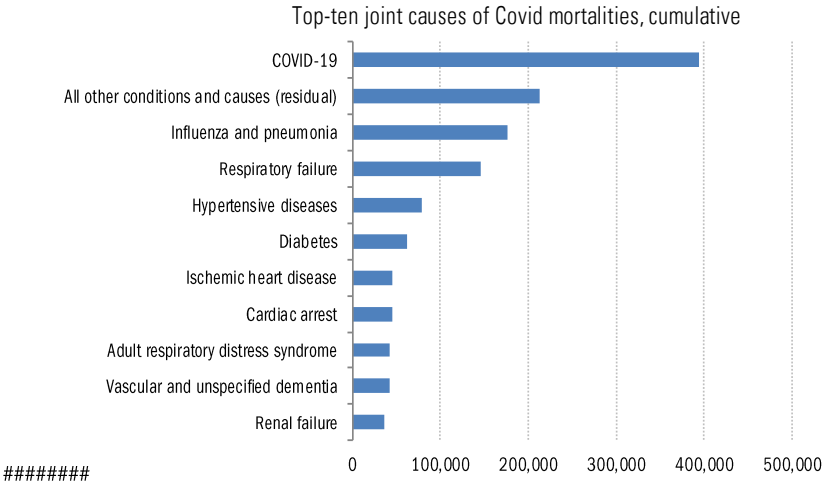
Source: Covid Tracking Project, TrendMacro calculations

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





Comorbidities



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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 2.9 additional conditions or causes per death.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

CONFLICT OF INTEREST: WHO's COVID Investigator Is Recipient Of Chinese Communist Cash, Worked With Wuhan Lab For 18 Years.
Raheem Kassam and Natalie WInters
The National Pulse
February 10, 2021

For people with stammers, lockdown and mask-wearing can prove an exceptional challenge
Charlie Duffield
iNews
February 7, 2021

'Speeding Up' the Vaccine Process Doesn't Work
Jim Geraghty
National Review
February 10, 2021

Beyond COVID-19: Can mRNA Treat Diseases, Too?
Nick Tate
WebMD
February 9, 2021

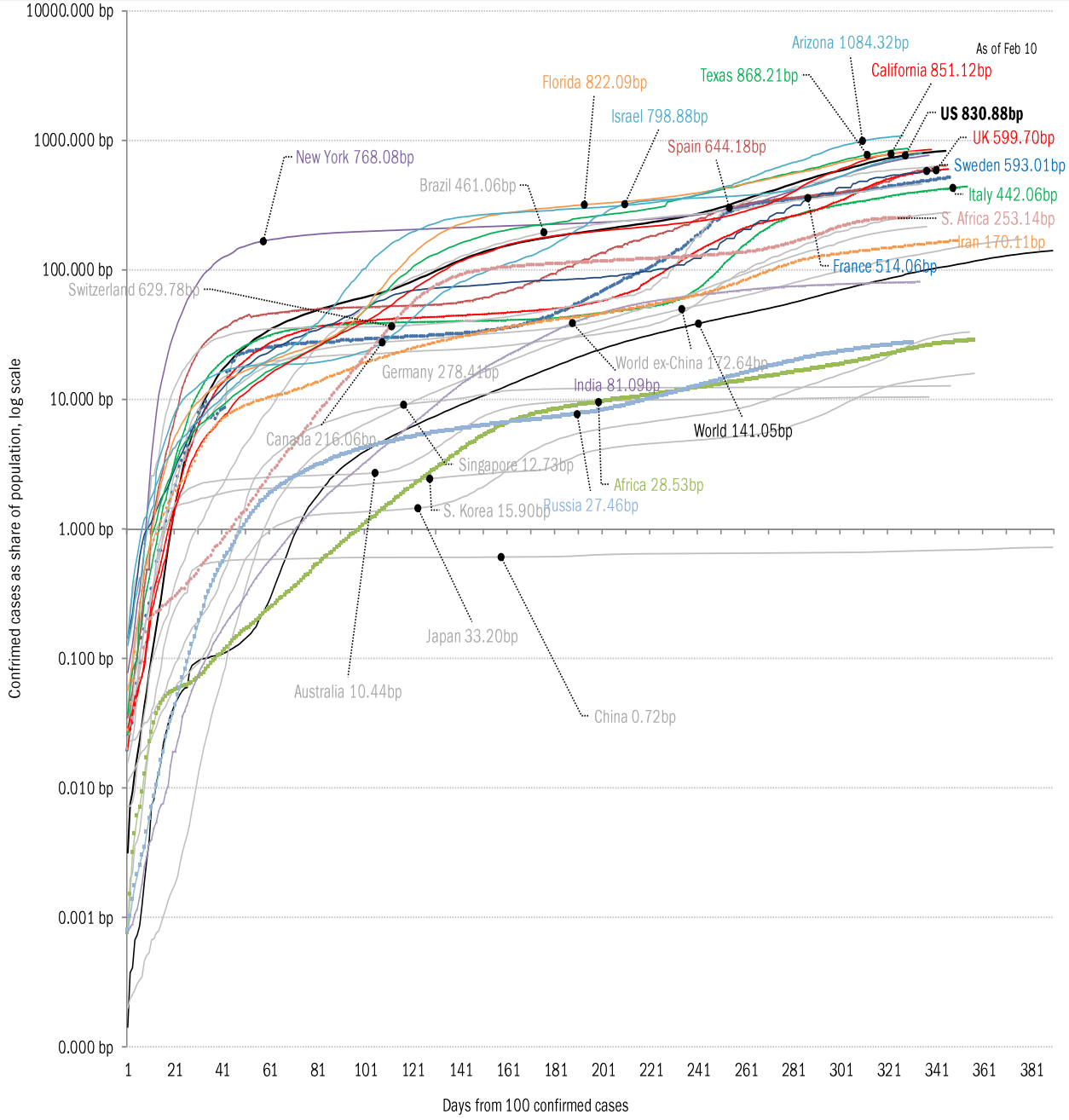
The WHO's Covid shame
Ian Birrell
UnHerd
February 10, 2021

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

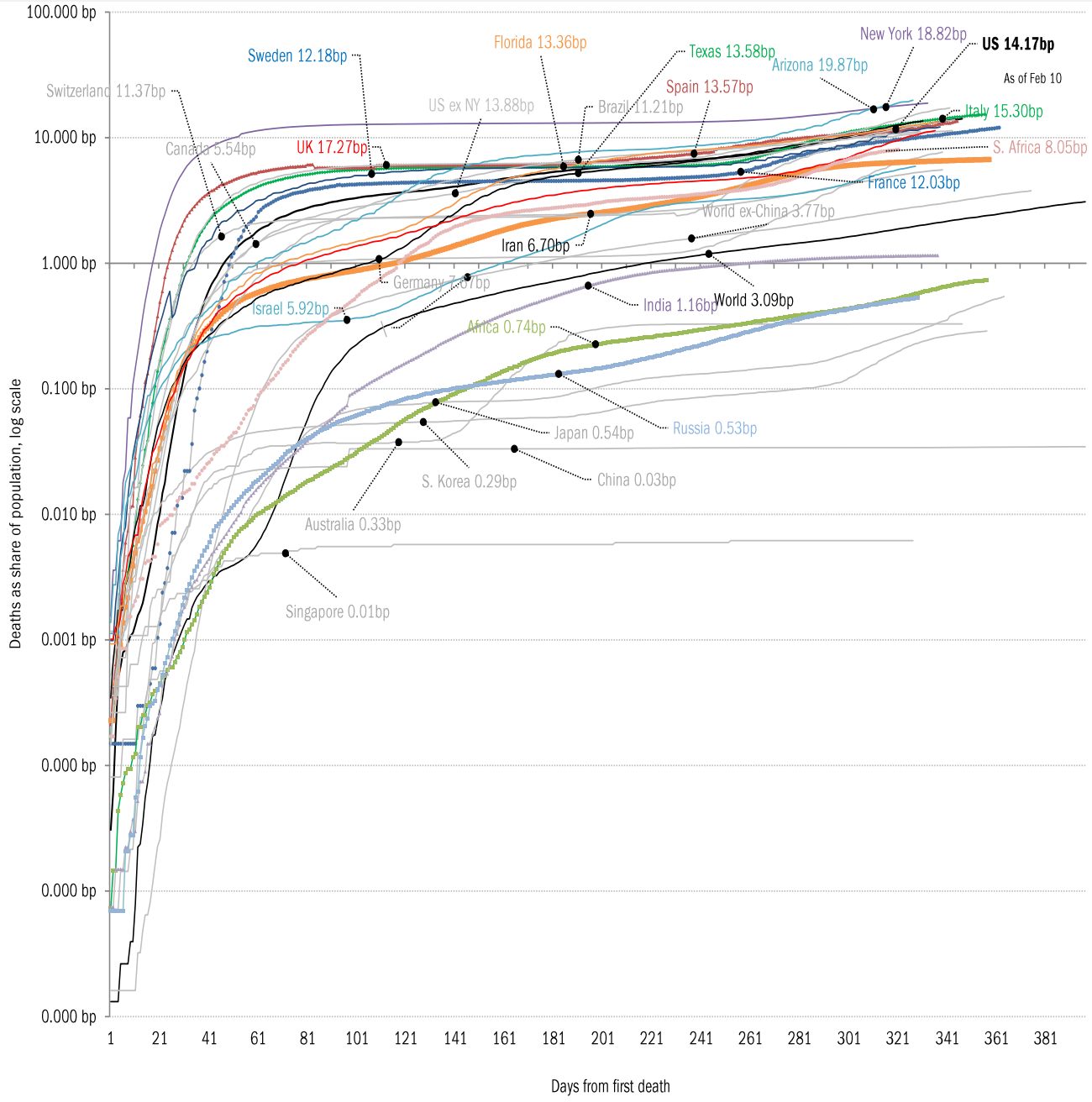
Share of infected population from first day with 100 confirmed cases, log scale



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

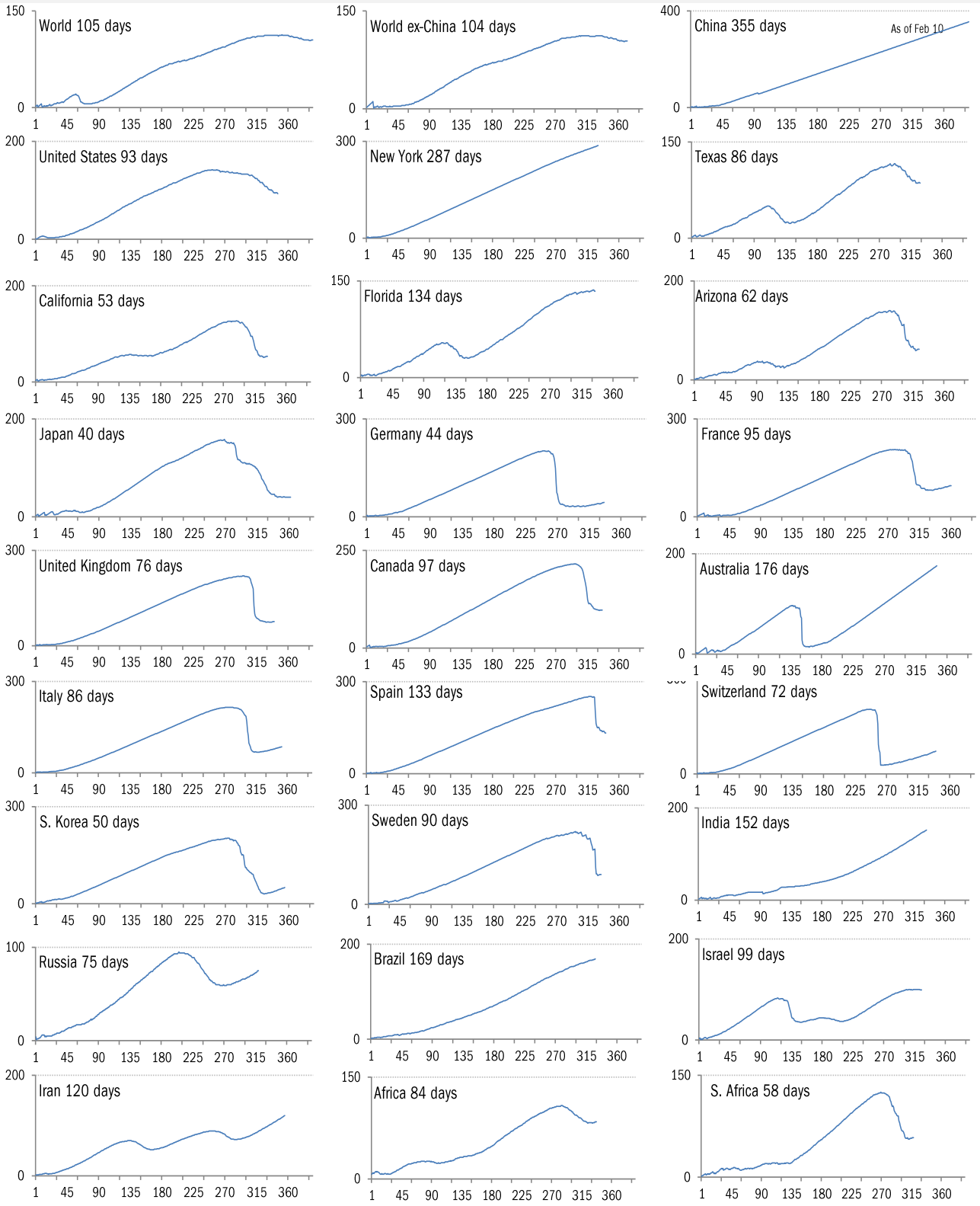


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

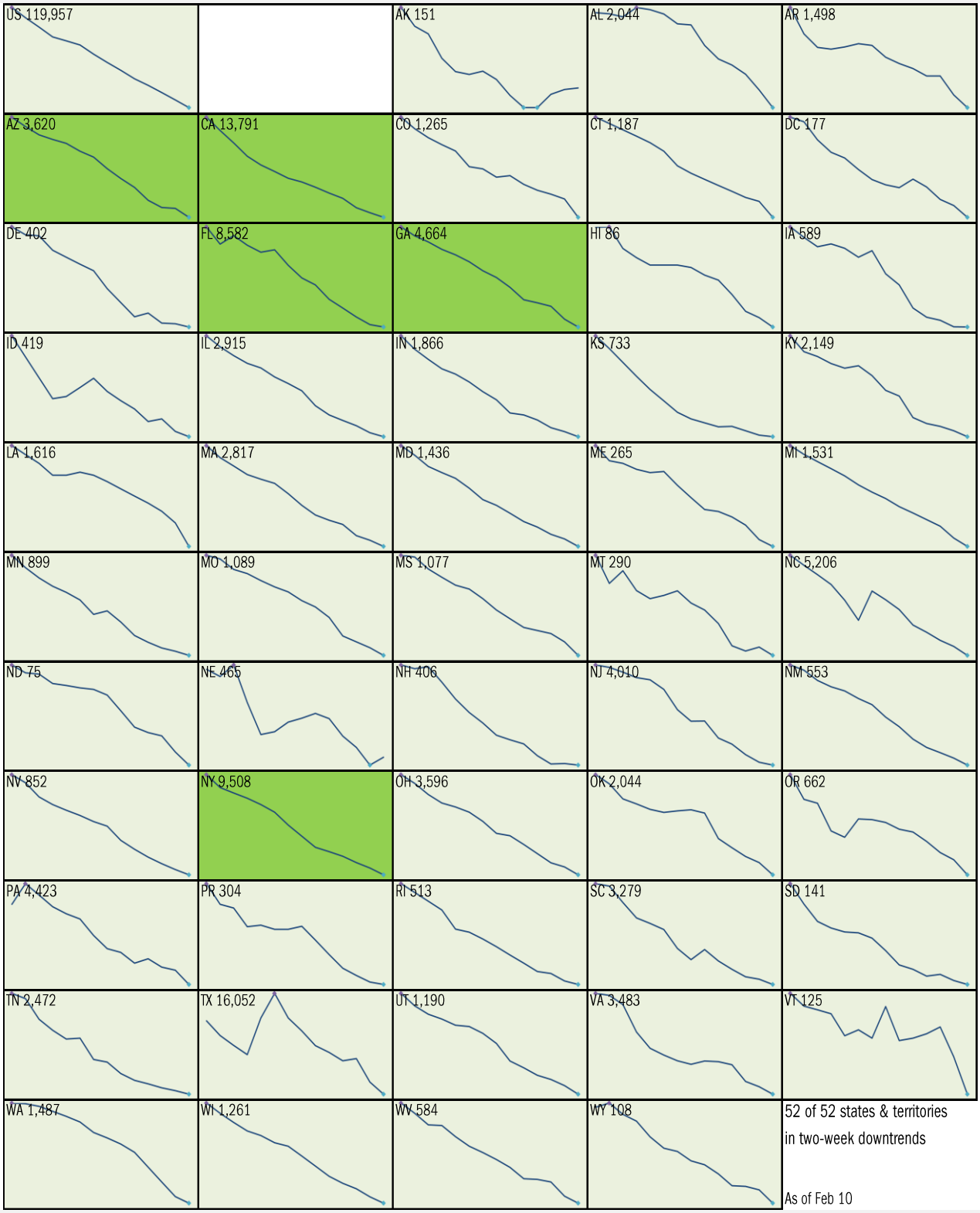


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

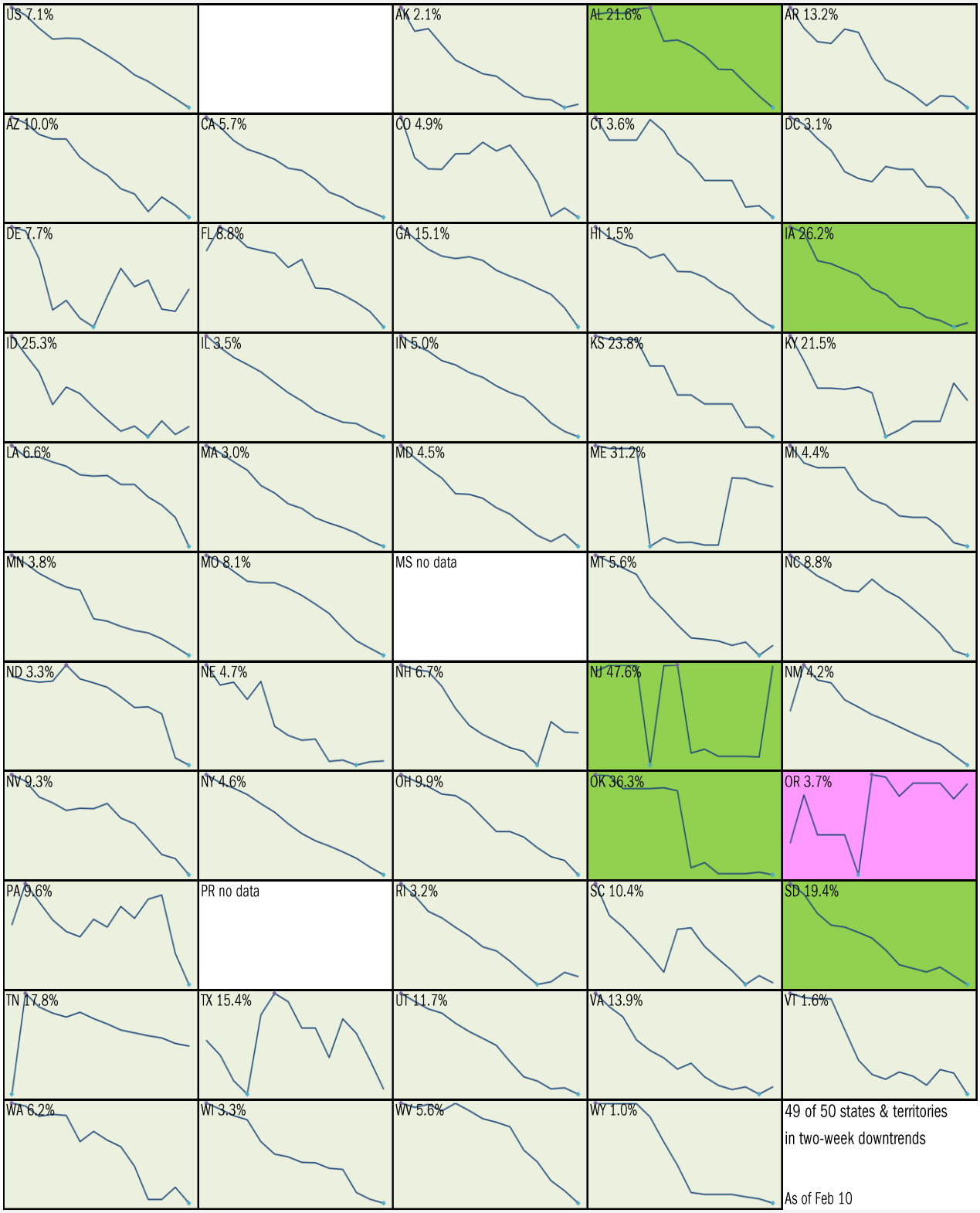


Source: Covid Tracking Project, TrendMacro calculations

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

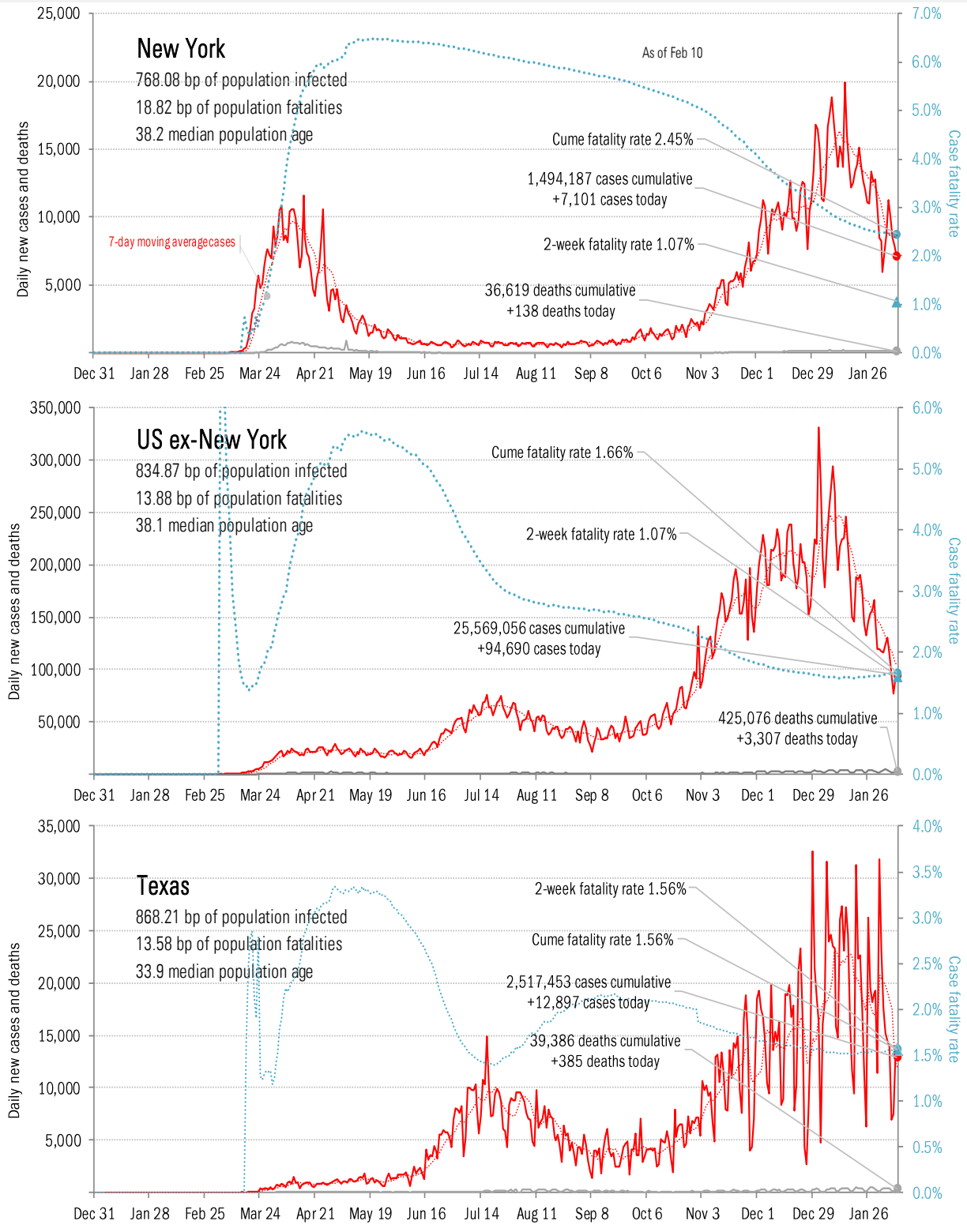
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



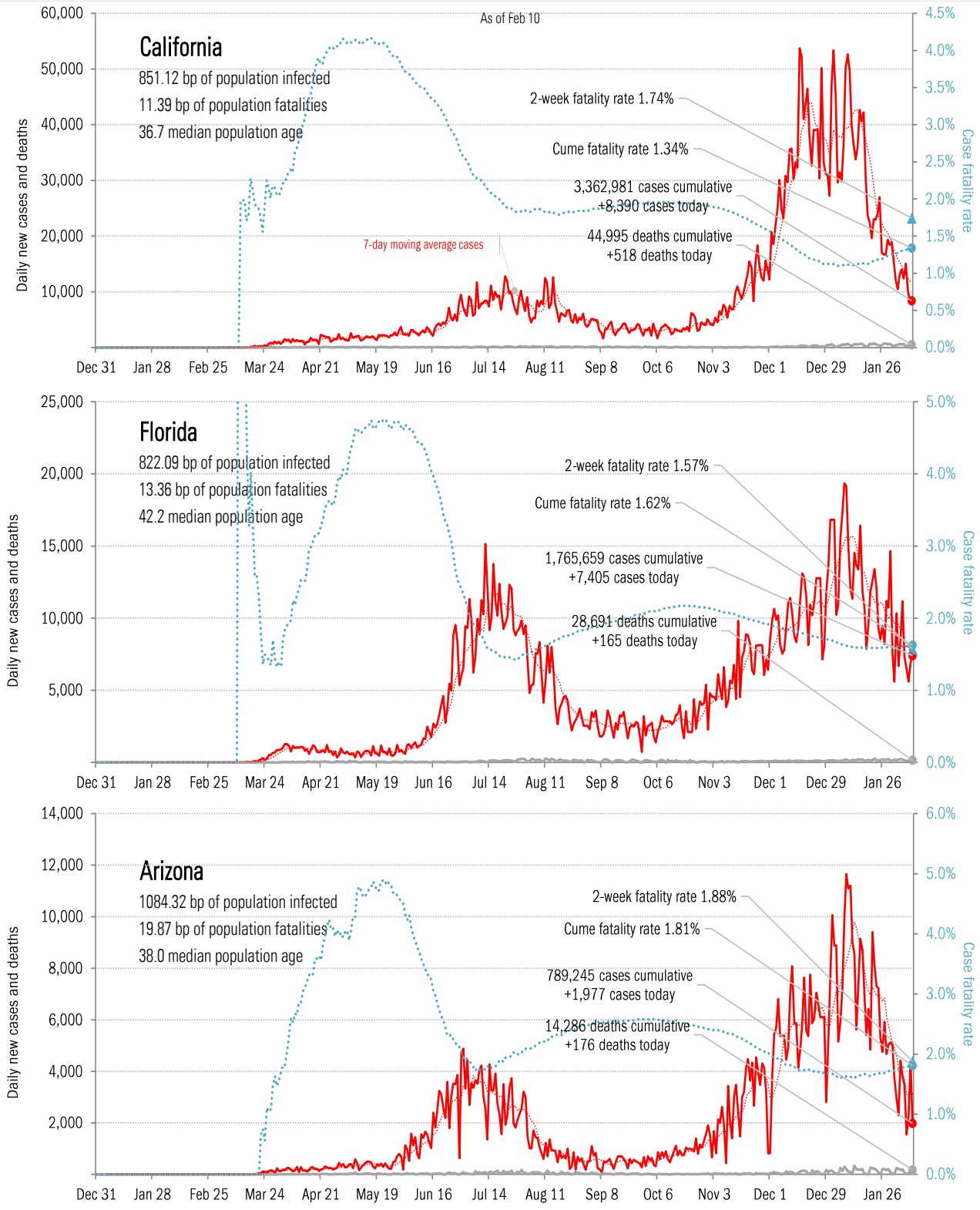
Source: Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



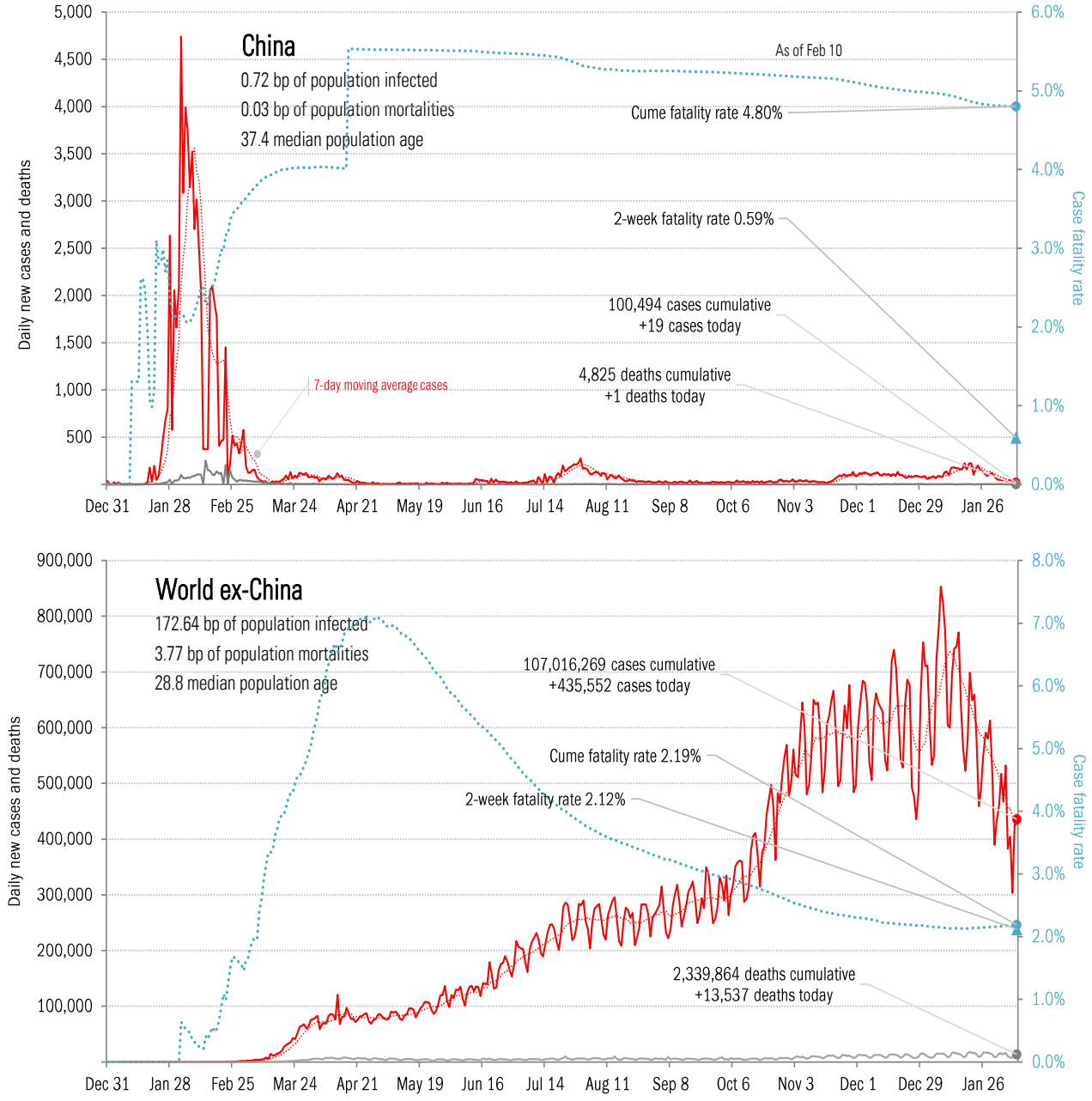
Source: Covid Tracking Project,, TrendMacro calculations

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



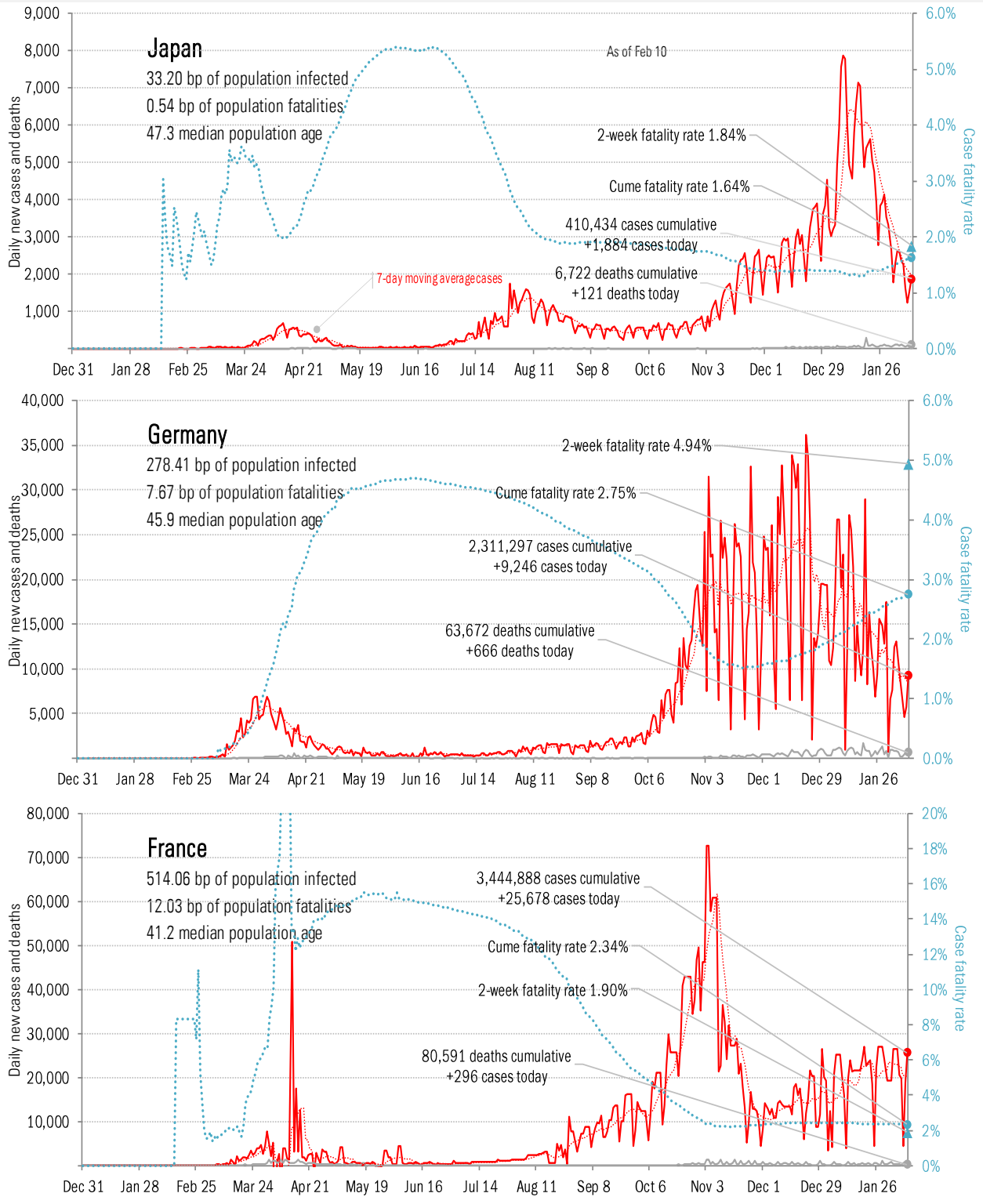
Source: Covid Tracking Project., TrendMacro calculations

Patient zero… and then everyone else



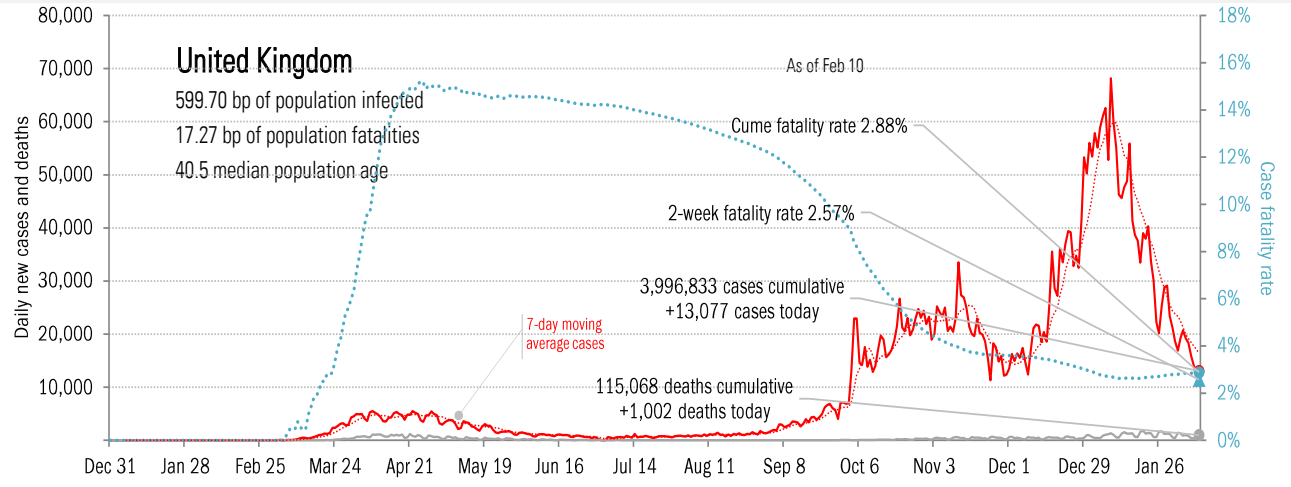
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

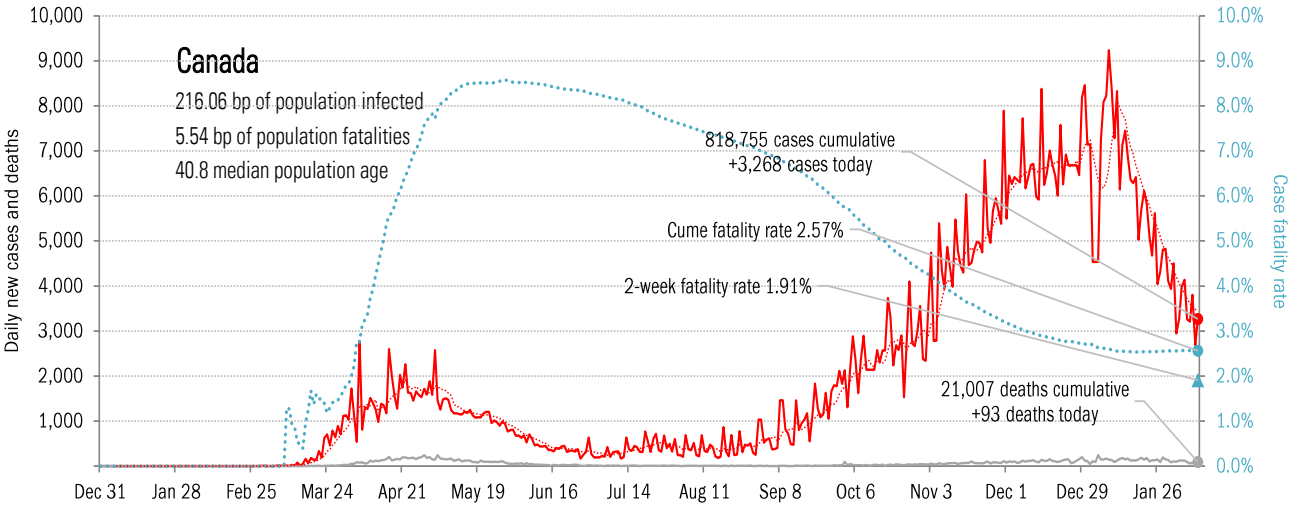
Impact in the largest economies

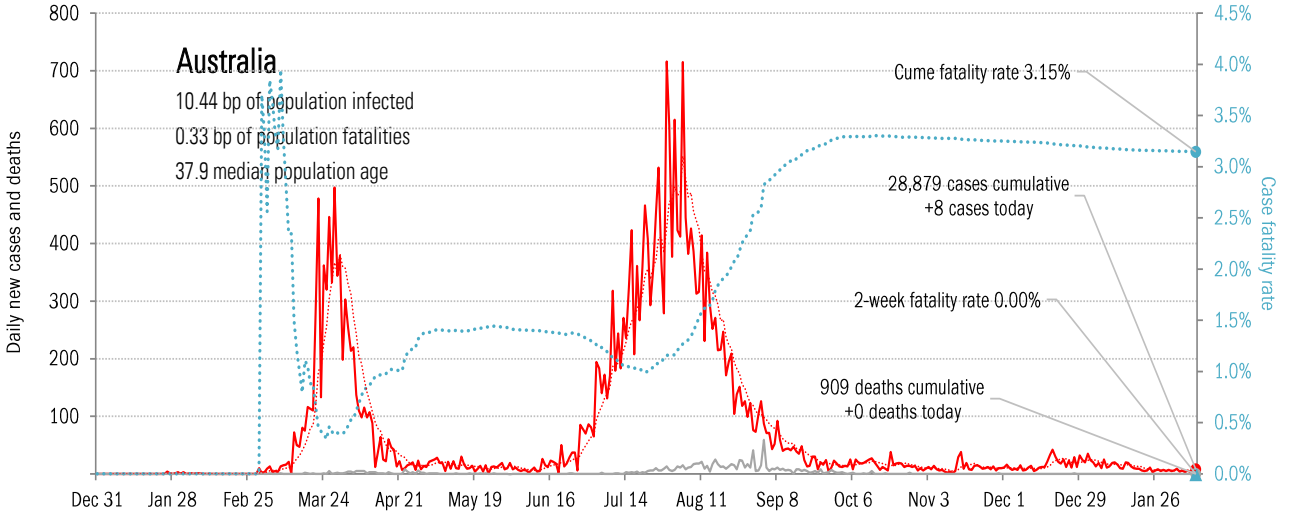


Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

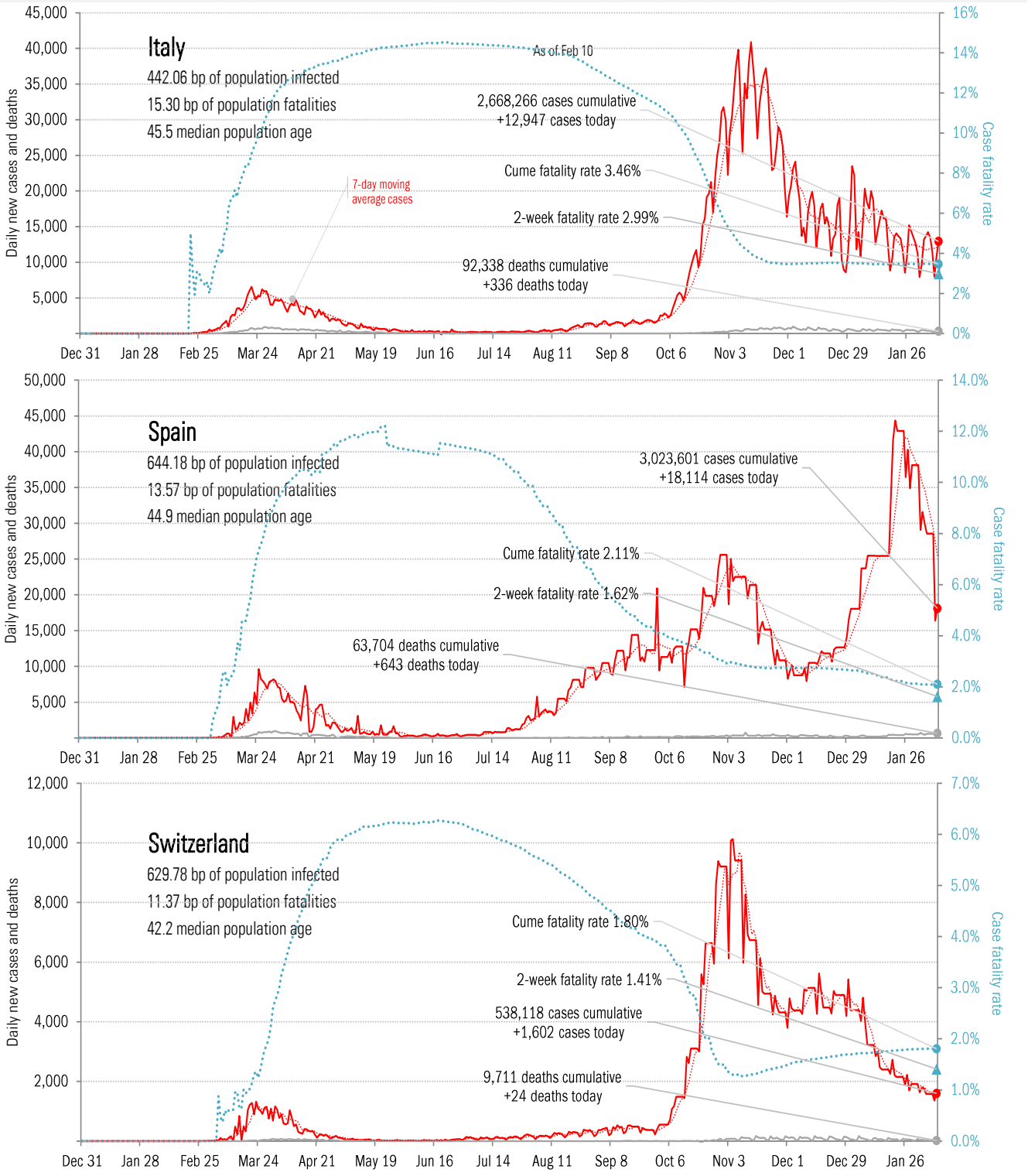






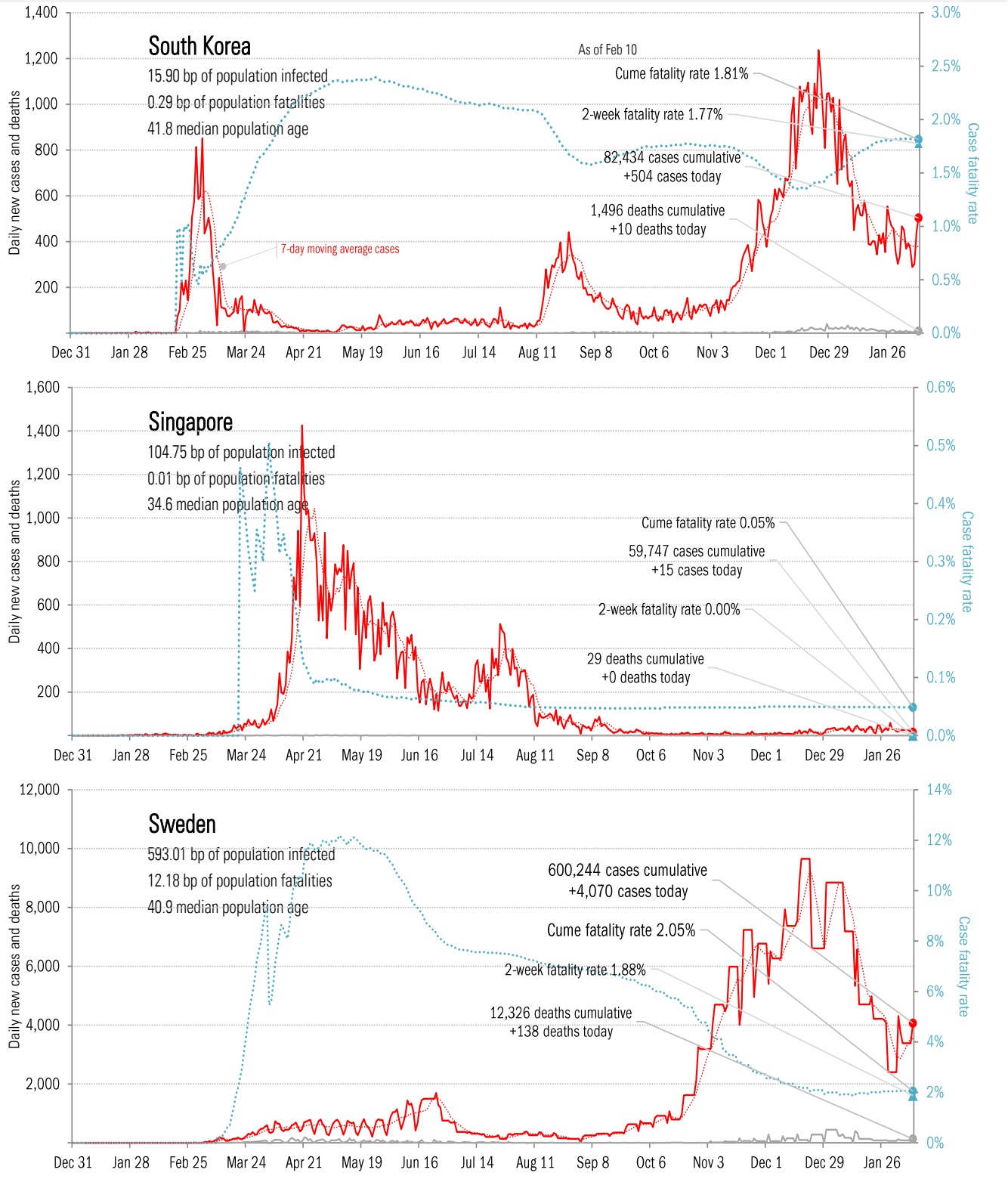
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



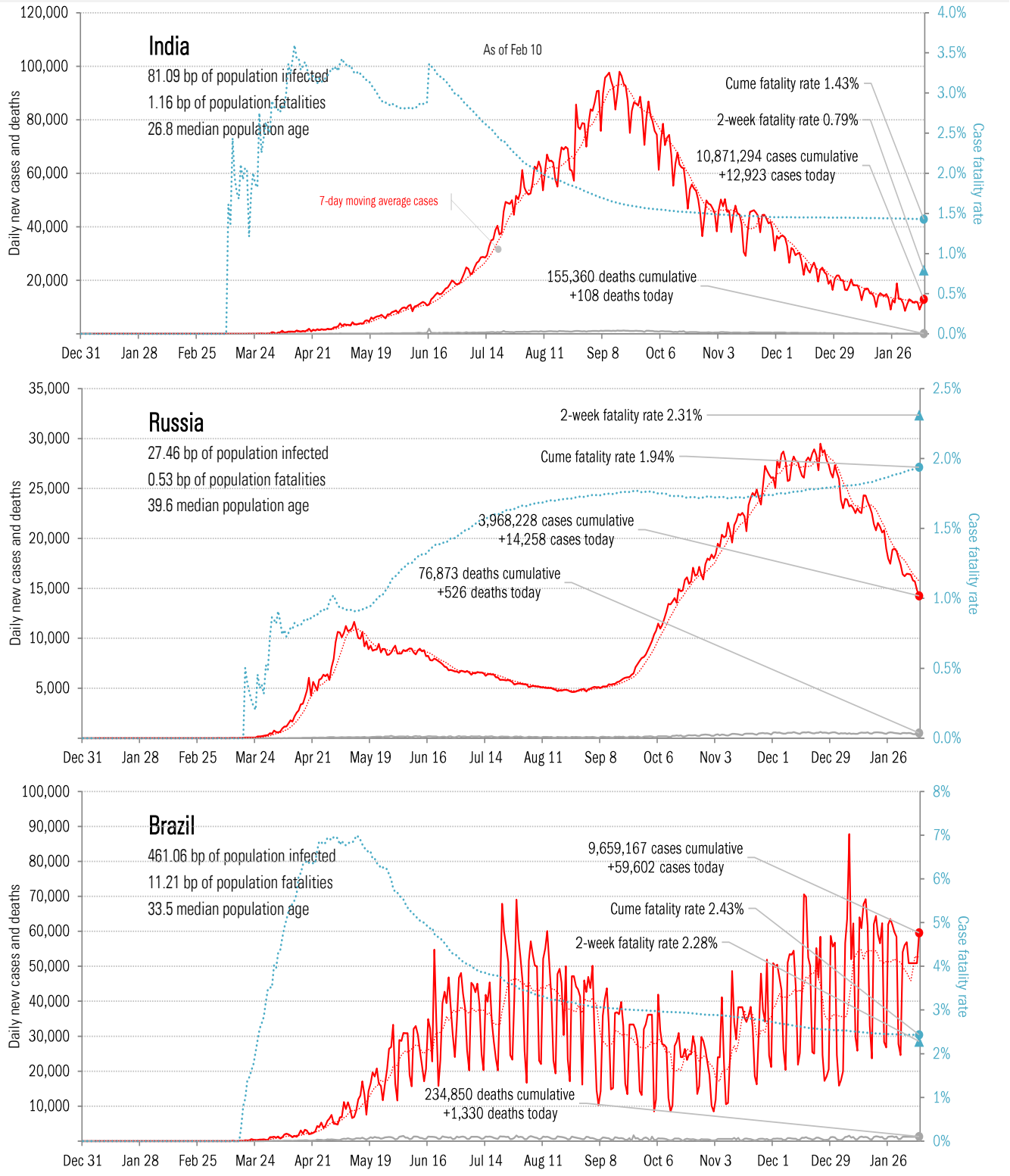
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



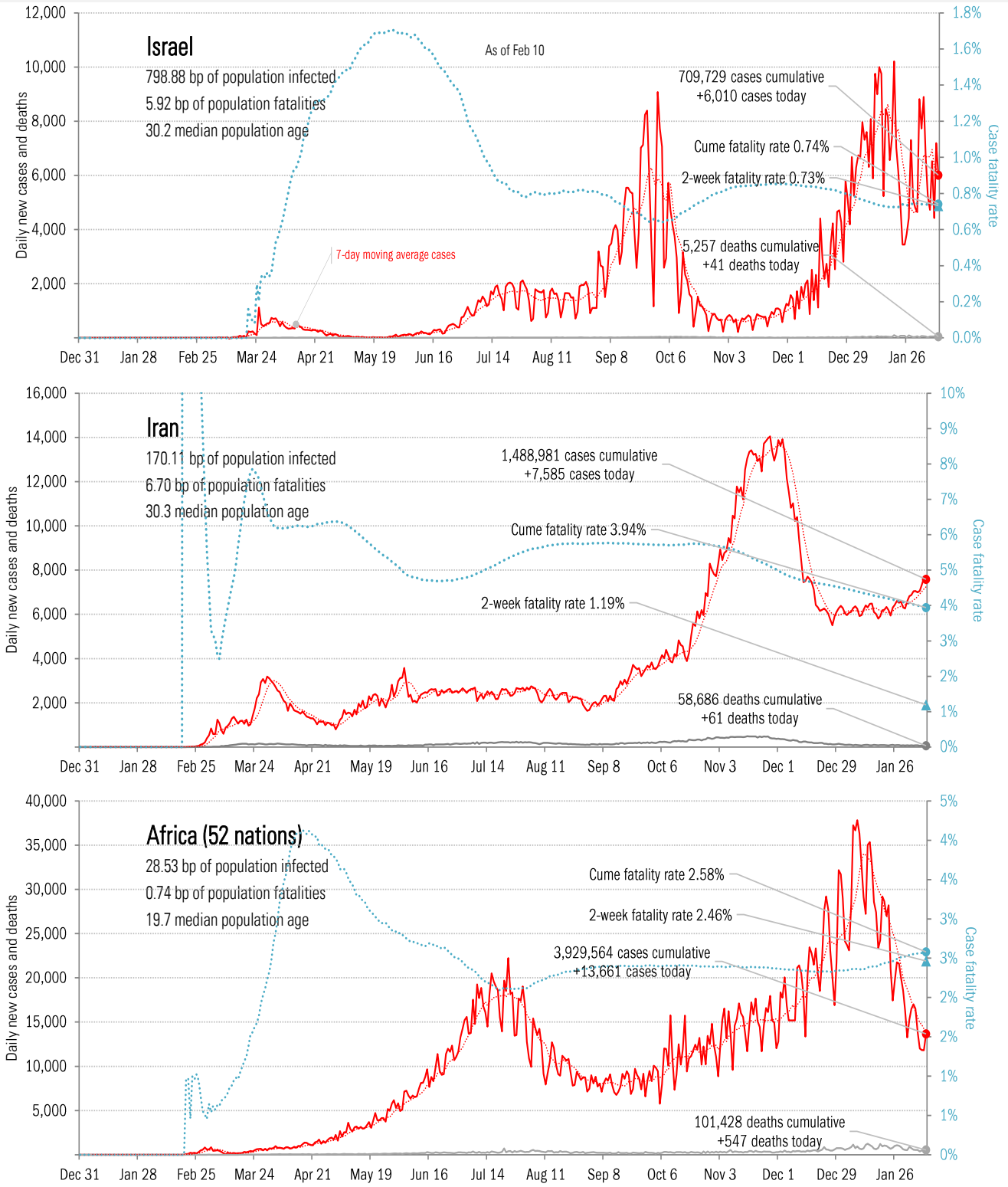
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



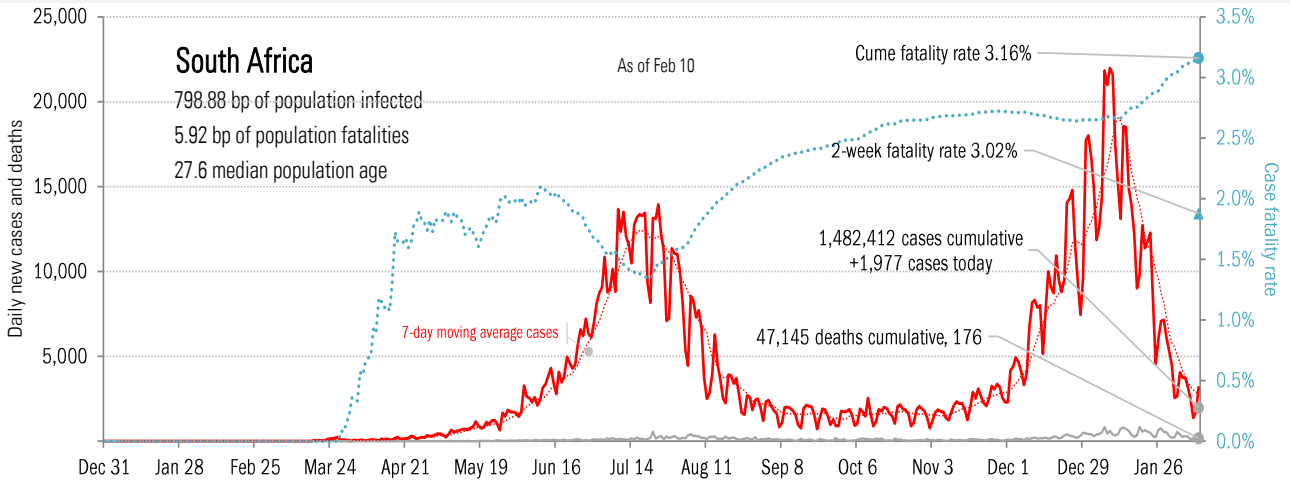
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations