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

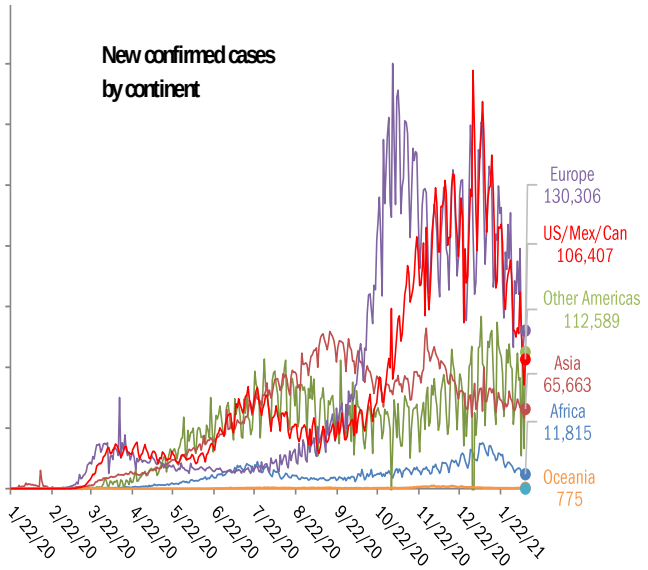
Data Insights: Covid-2019 Monitor

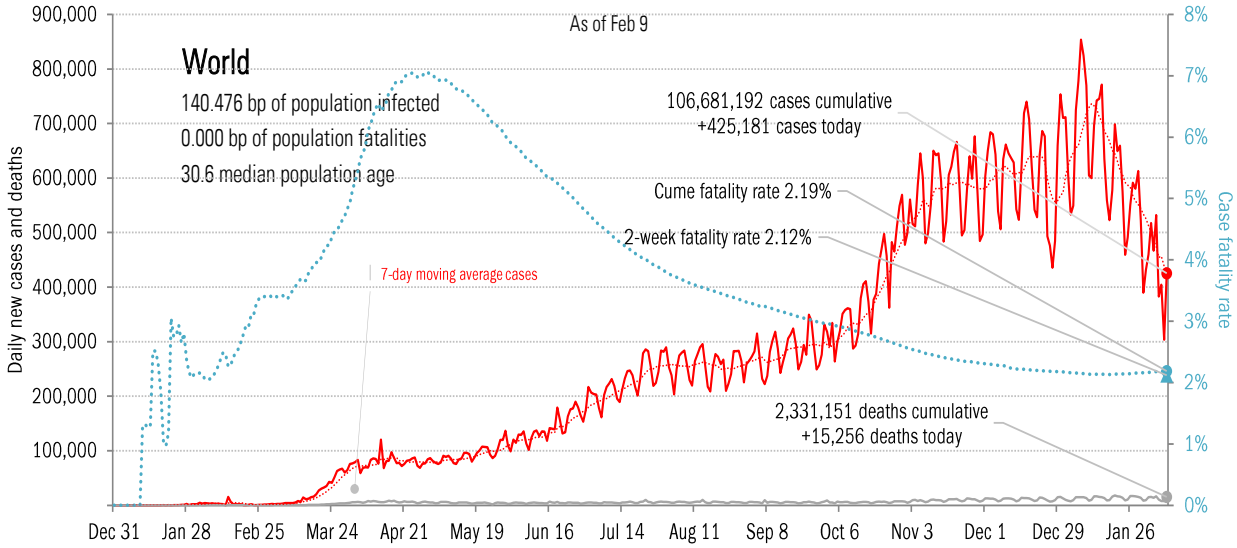
Wednesday, February 10, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+92,986	United States	+2,795
Brazil	+74,925	Brazil	+1,986
France	+18,886	Mexico	+1,701
Spain	+16,402	United Kingdom	+1,052
Russia	+14,808	Germany	+815
United Kingdom	+12,441	Spain	+766
India	+11,067	France	+724
Mexico	+10,738	Russia	+519
Italy	+10,612	Italy	+422
Peru	+10,080	South Africa	+396
	+272,945		+11,176
World	+425,181	World	+15,256
Top ten	64%	Top ten	73%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

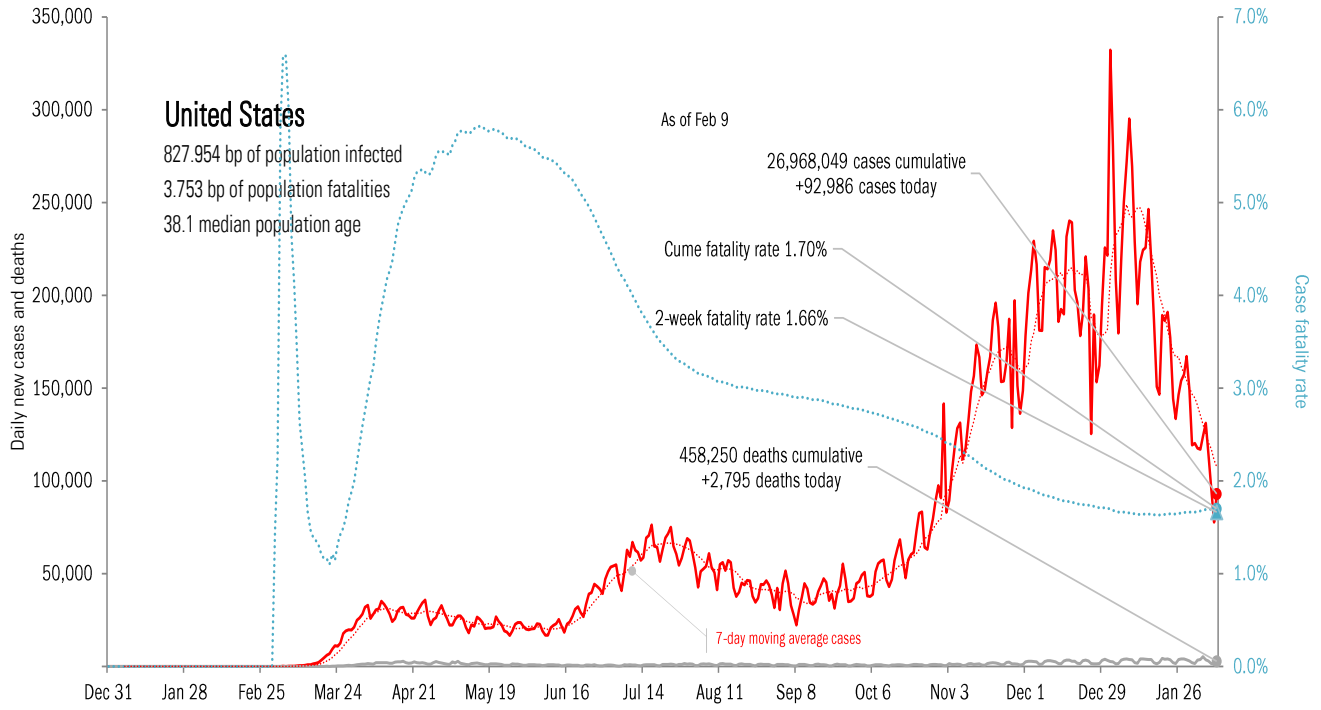
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	+13,329	CA	+327	NY	+159	CA	3,354,591	CA	44,477	NY	89,995	AK	144%	GA	86%
CA	+8,251	TX	+301	KY	+41	TX	2,504,556	TX	39,001	FL	76,001	RI	99%	RI	85%
NY	+7,866	FL	+239	NC	+35	FL	1,758,254	NY	36,481	NJ	61,797	GA	80%	OK	85%
FL	+6,911	AZ	+231	WV	+19	NY	1,487,086	FL	28,526	AZ	54,967	MD	78%	AL	84%
AZ	+4,381	GA	+171	MA	+14	IL	1,150,170	PA	22,620	GA	52,262	MA	77%	CA	83%
PA	+4,088	PA	+149	NJ	+13	GA	947,416	NJ	22,103	OH	47,853	FL	77%	TX	83%
GA	+3,721	NY	+142	CT	+11	OH	925,350	IL	21,802	AL	43,499	CT	77%	DC	81%
NJ	+3,576	OH	+98	DE	+11	PA	876,913	MI	15,925	IN	41,207	PA	77%	NC	81%
VA	+3,291	NJ	+92	IA	+9	NC	802,065	GA	15,301	MD	33,288	SC	77%	MD	79%
OH	+3,207	VA	+78	PA	+9	AZ	787,268	MA	15,124	WI	25,021	CA	76%	FL	79%
	+58,621		+1,828		+321		14,593,669		261,360		525,890				
All states	+92,986		+2,795		-876	All states	26,968,049		458,250		831,088	All states	70%		72%
Top ten	63%		65%		-37%	Top ten	54%		57%		63%	Median	68%		69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CT	-3,498	KS	-96	MS	-99	TX	+20,408
CA	-2,163	CT	-52	AL	-94	MS	+14,964
KS	-1,398	SC	-36	FL	-74	PA	+9,613
MI	-1,210	TN	-32	OH	-72	OH	+5,934
NY	-582	IL	-18	OK	-53	TN	+3,644



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

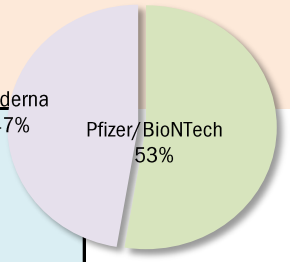
Rolling out the vaccines in the US

US overall	Over last day
62.90 million doses distributed	+3.59 million/day
43.21 million doses administered	+0.79 million/day
32.87 million persons with one or more shot	+0.53 million/day
9.84 million persons with two or more shots	+0.32 million/day
5.02 million shots long-term care residents/staff	+0.07 million/day

68.7% of distributed doses administered

13.2% of US pop at least 1 shot **3.0% 2 shots**

100% of LTC at least 1 shot **26.4% 2 shots**



At today's dosing pace, every American will have two in
778 days
by Mar 28, 2023

US will achieve herd immunity in
376 days
by Feb 20, 2022

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

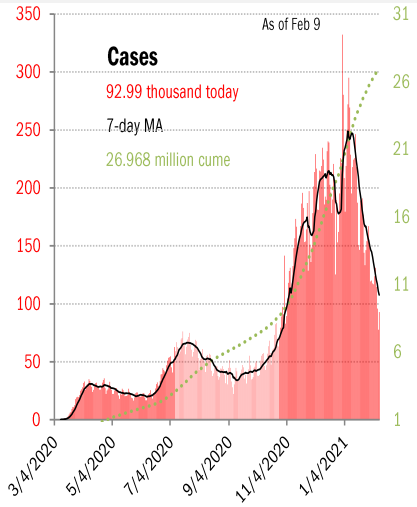
AK										ME	
35.1%										20.6%	
15.2%										10.3%	
5.7%										3.6%	
					WI				VT	NH	
					18.0%				20.8%	19.7%	
					10.3%				10.4%	8.9%	
					2.8%				4.5%	3.5%	
WA	ID	MT	ND	MN	IL	MI		NY	MA		
17.9%	15.8%	15.4%	18.8%	17.3%	17.4%	18.5%		17.6%	18.5%		
9.7%	8.5%	9.6%	11.5%	9.6%	9.1%	9.5%		9.2%	9.4%		
2.6%	2.1%	3.5%	5.0%	2.9%	2.4%	3.4%		2.9%	2.6%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI	
19.0%	16.6%	19.6%	19.0%	16.2%	17.9%	17.7%	18.1%	16.7%	22.4%	19.6%	
10.1%	9.2%	10.2%	10.5%	8.2%	8.9%	9.1%	8.9%	9.6%	11.6%	8.1%	
3.5%	2.2%	2.9%	4.6%	2.9%	2.4%	2.7%	2.7%	2.7%	3.7%	3.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE		
18.7%	16.6%	18.1%	20.0%	15.7%	18.6%	21.2%	18.1%	18.2%	16.7%		
9.8%	9.6%	9.4%	8.6%	8.0%	9.8%	12.3%	10.7%	8.9%	10.4%		
2.2%	3.3%	3.7%	3.5%	2.4%	2.9%	6.0%	2.6%	2.6%	2.6%		
	AZ	NM	KS	AR	TN	NC	SC	DC			
	17.4%	19.3%	16.9%	19.2%	16.9%	16.4%	13.8%	23.7%			
	9.6%	12.1%	8.0%	10.1%	8.2%	9.6%	8.9%	10.7%			
	2.3%	4.2%	2.4%	3.2%	3.7%	2.7%	2.3%	3.8%			
			OK	LA	MS	AL	GA				
			19.0%	18.9%	18.0%	16.8%	17.3%				
			10.9%	9.4%	9.0%	8.1%	8.7%				
			3.8%	3.9%	2.0%	1.9%	2.1%				
HI			TX					FL		PR	
20.2%			15.8%					19.6%		19.8%	
10.0%			8.9%					9.4%		7.4%	
3.0%			2.9%					3.2%		2.4%	

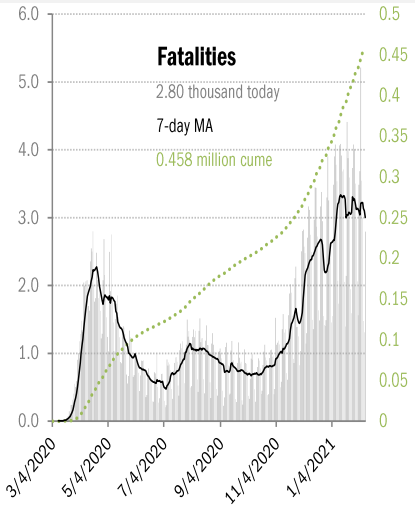
As of Feb 9

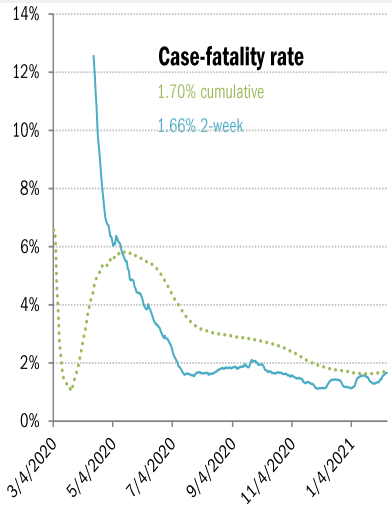
Source: CDC, CDC, TrendMacro calculations

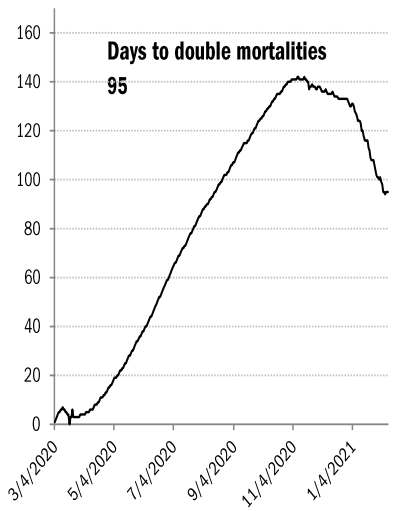
US deep-dive

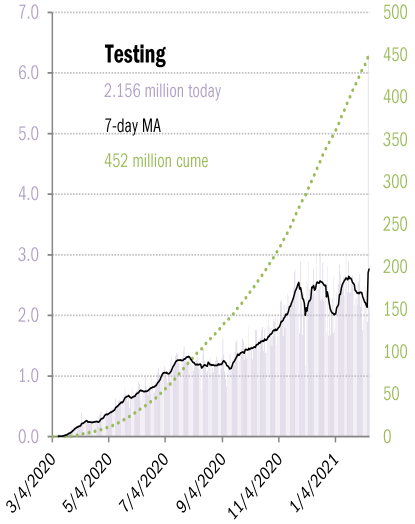
National and state-by-state data do not line up because of different sources

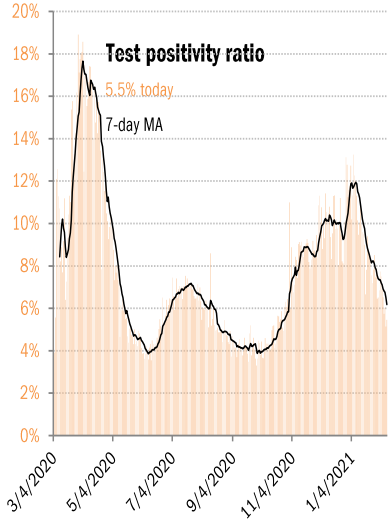


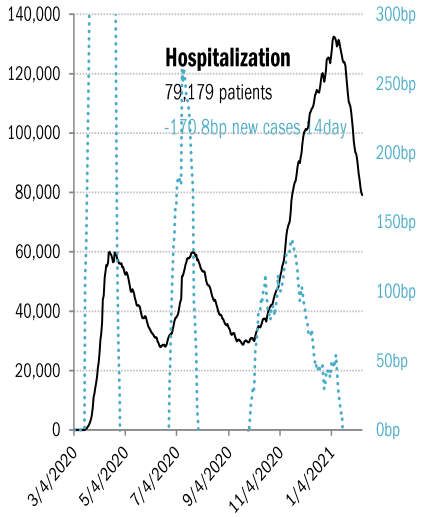


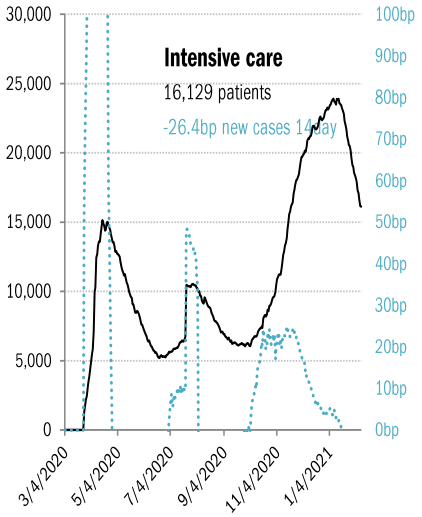


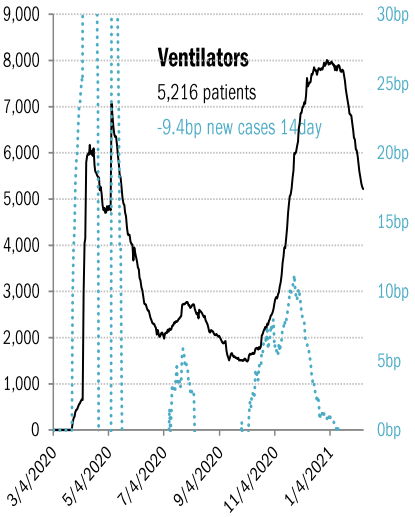






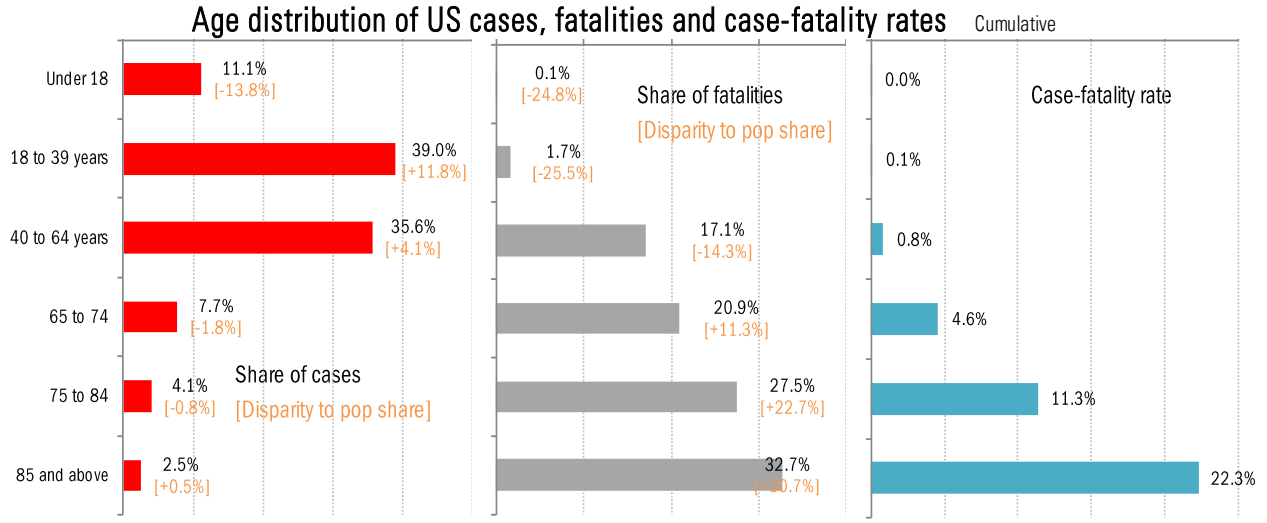


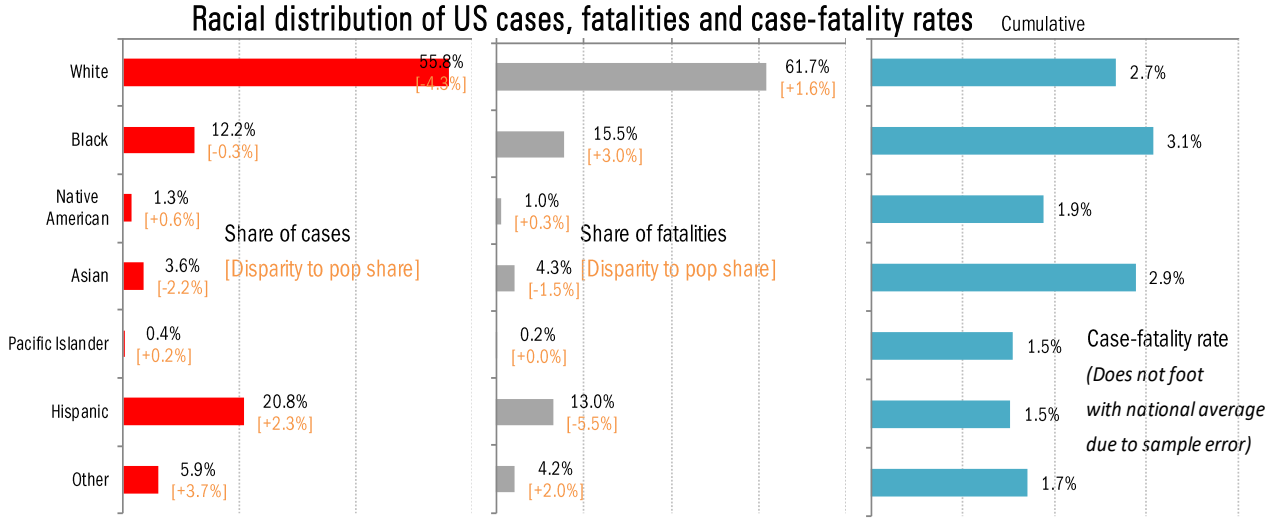


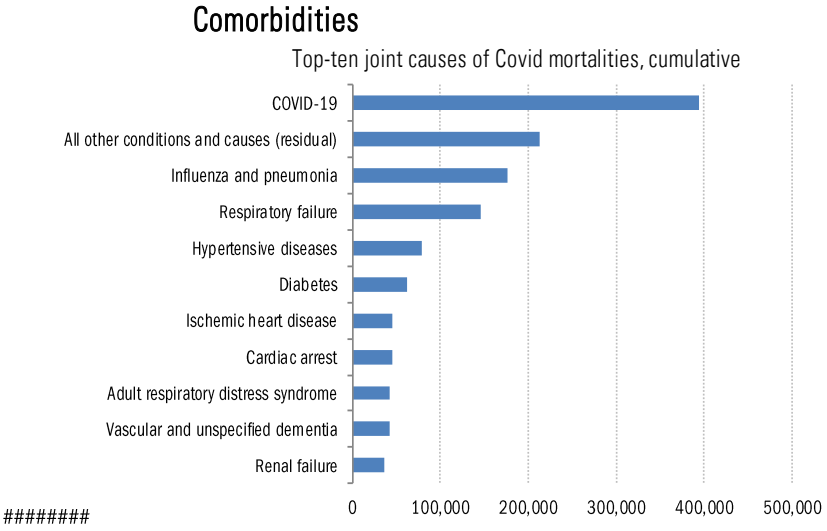


Source: Covid Tracking Project, TrendMacro calculations

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







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

Variant-proof vaccines — invest now for the next pandemic
Dennis R. Burton & Eric J. Topol
Nature
February 8, 2021

Could a Single Vaccine Work Against All Coronaviruses?
Carl Zimmer
New York Times
February 9, 2021

Exam-School Admissions Come Under Pressure amid Pandemic
Naomi Schaefer Riley
Education Next
February 9, 2021

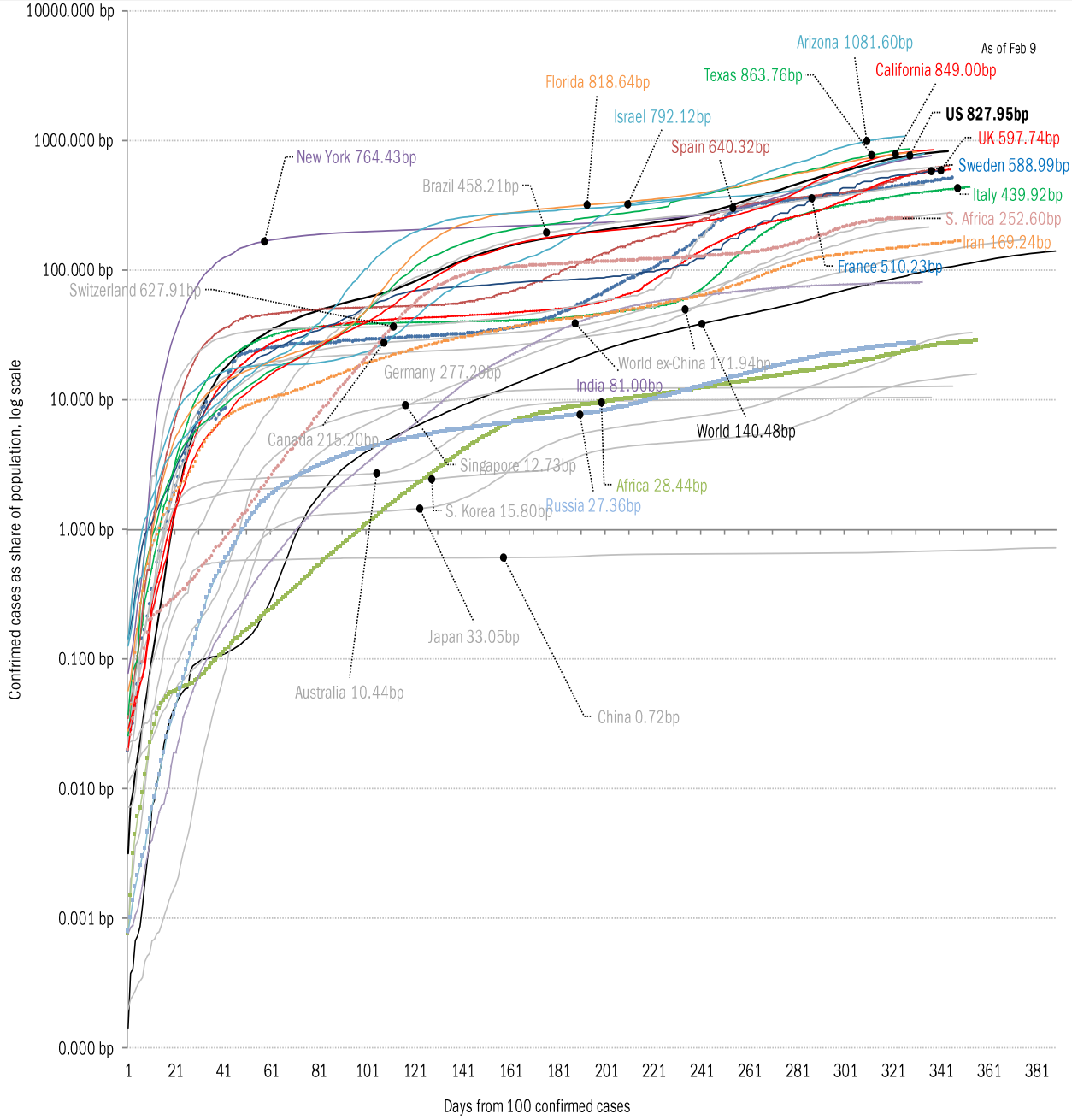
'German ministry hired scientists to induce corona fear'
Netherland News Live
February 9, 2020

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

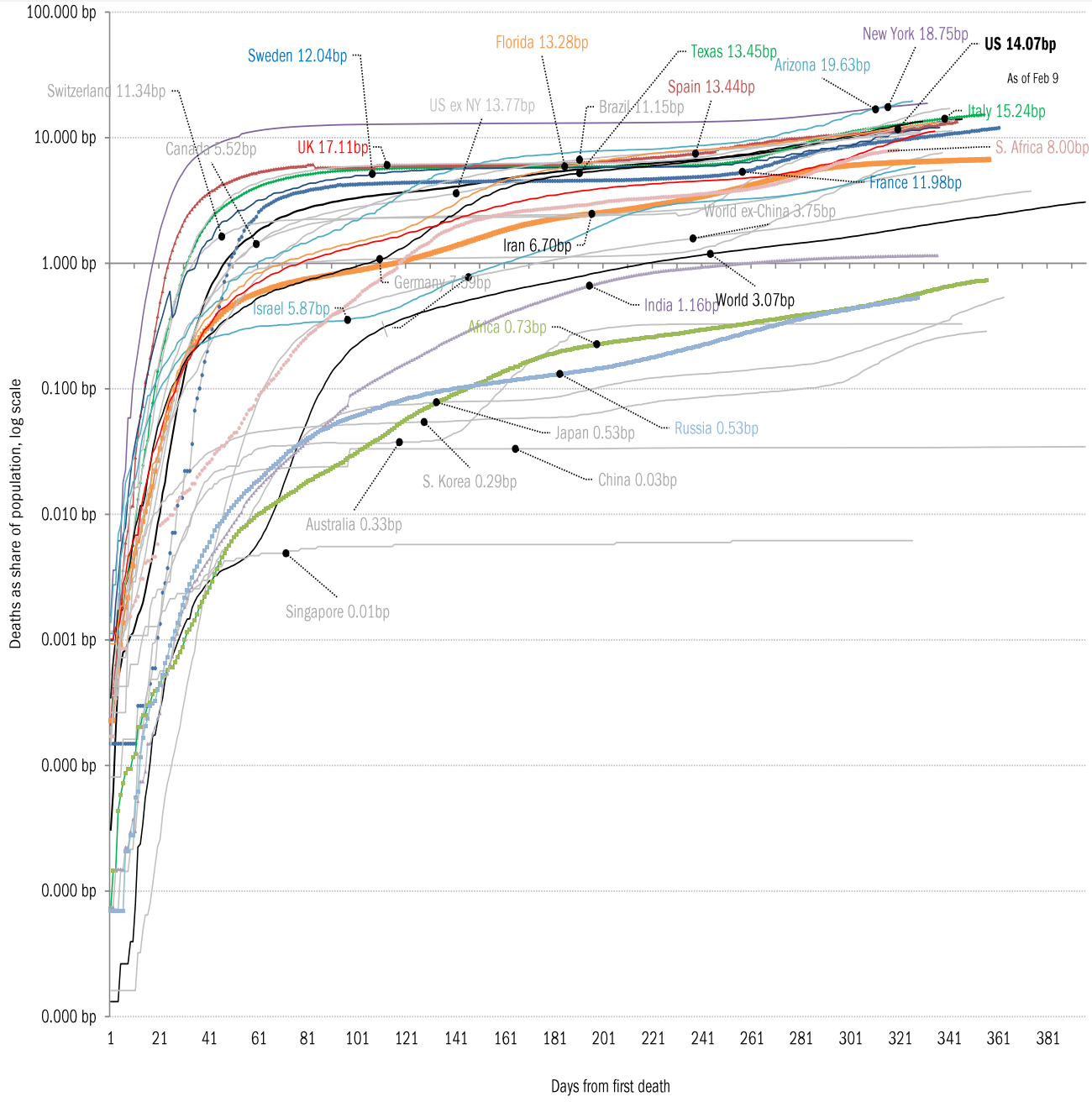
Share of infected population from first day with 100 confirmed cases, log scale



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

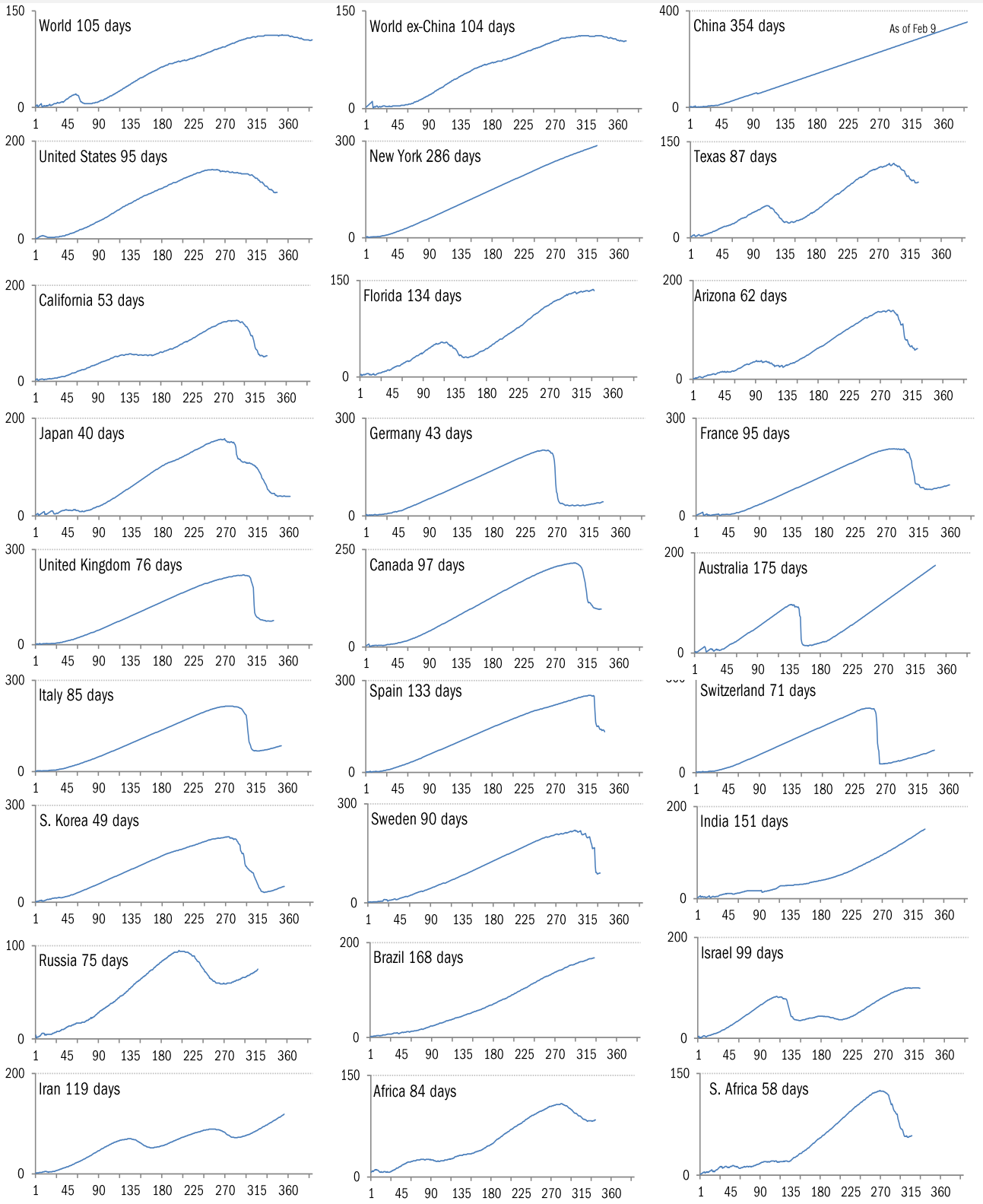


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

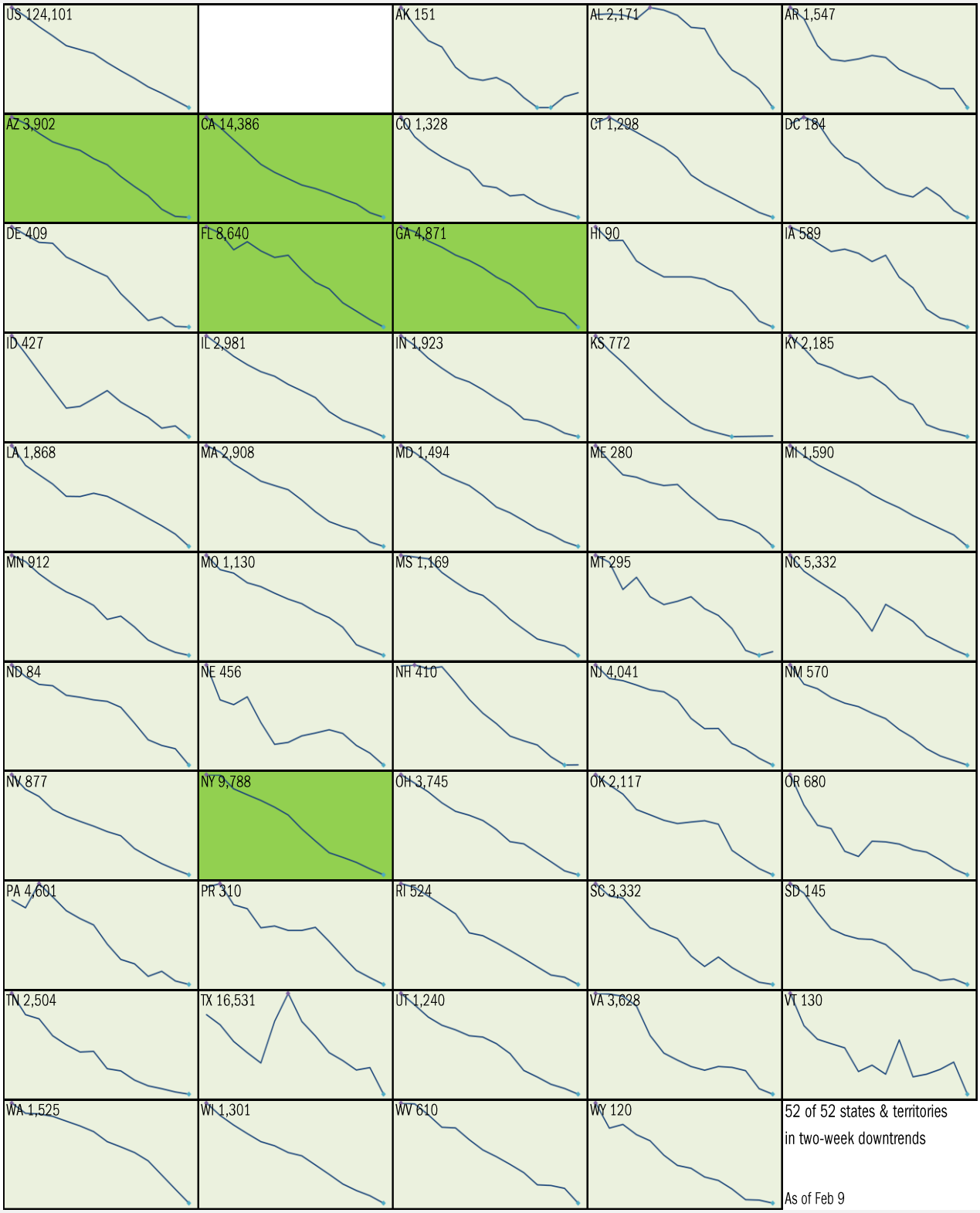


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

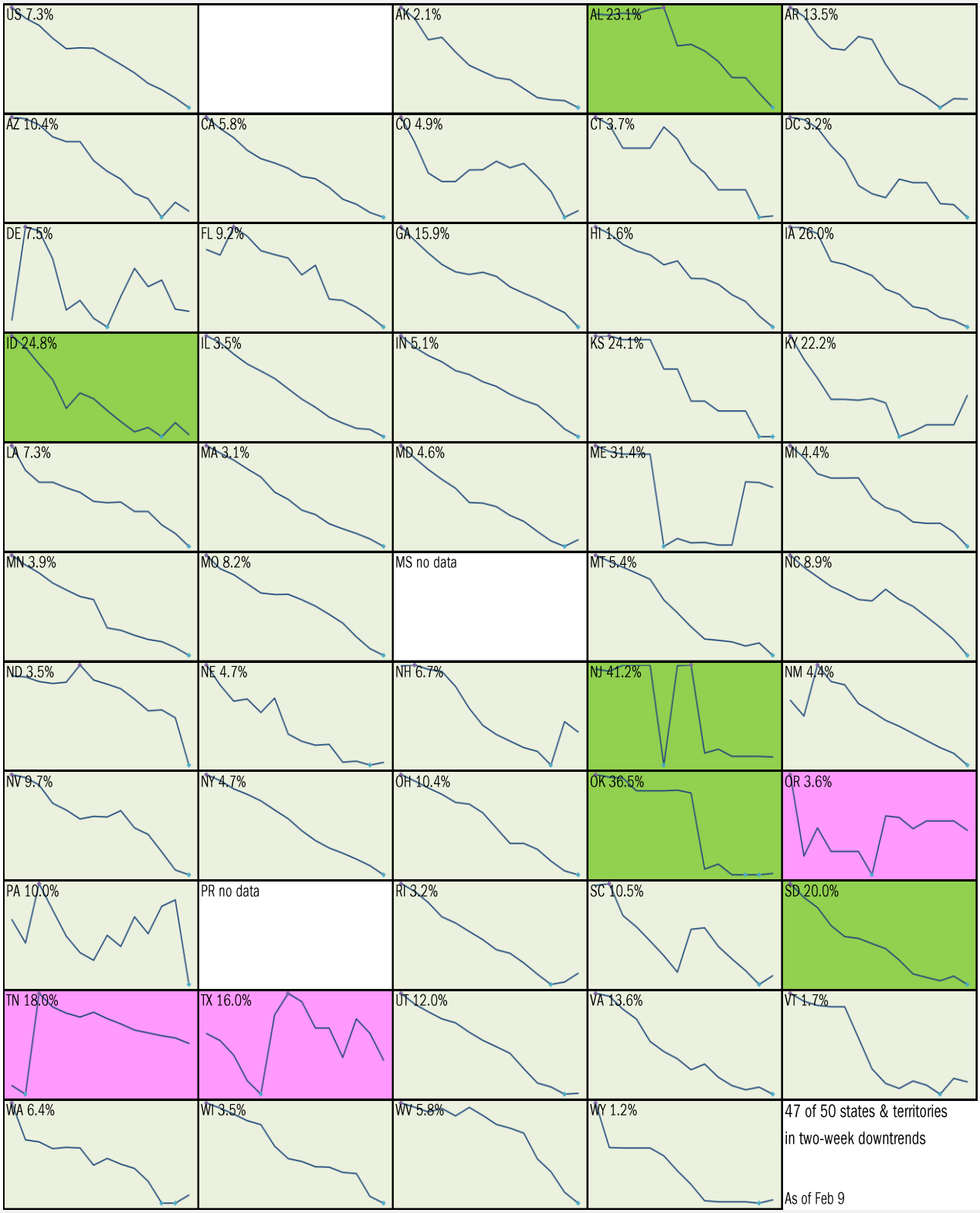


Source: Covid Tracking Project, TrendMacro calculations

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

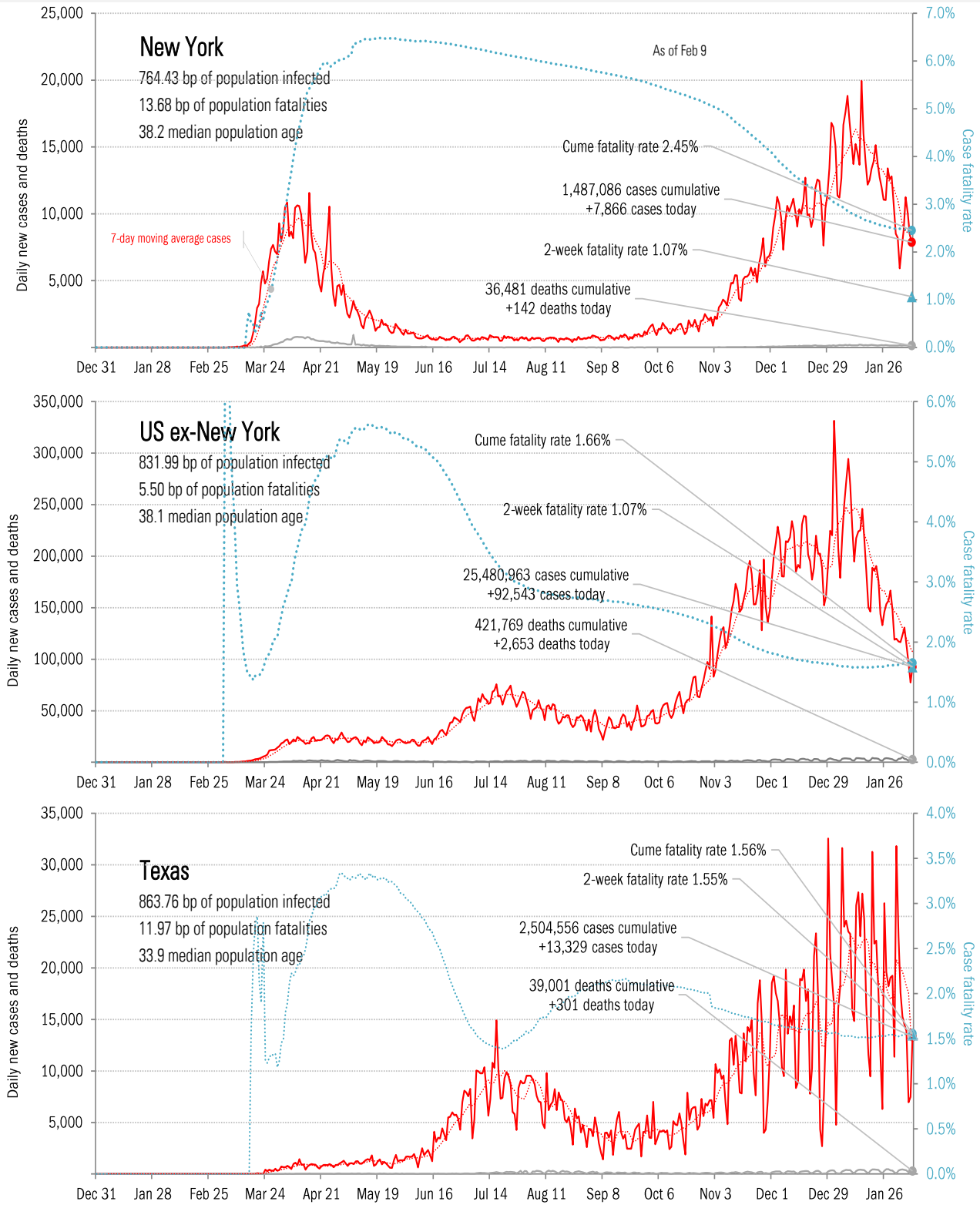
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



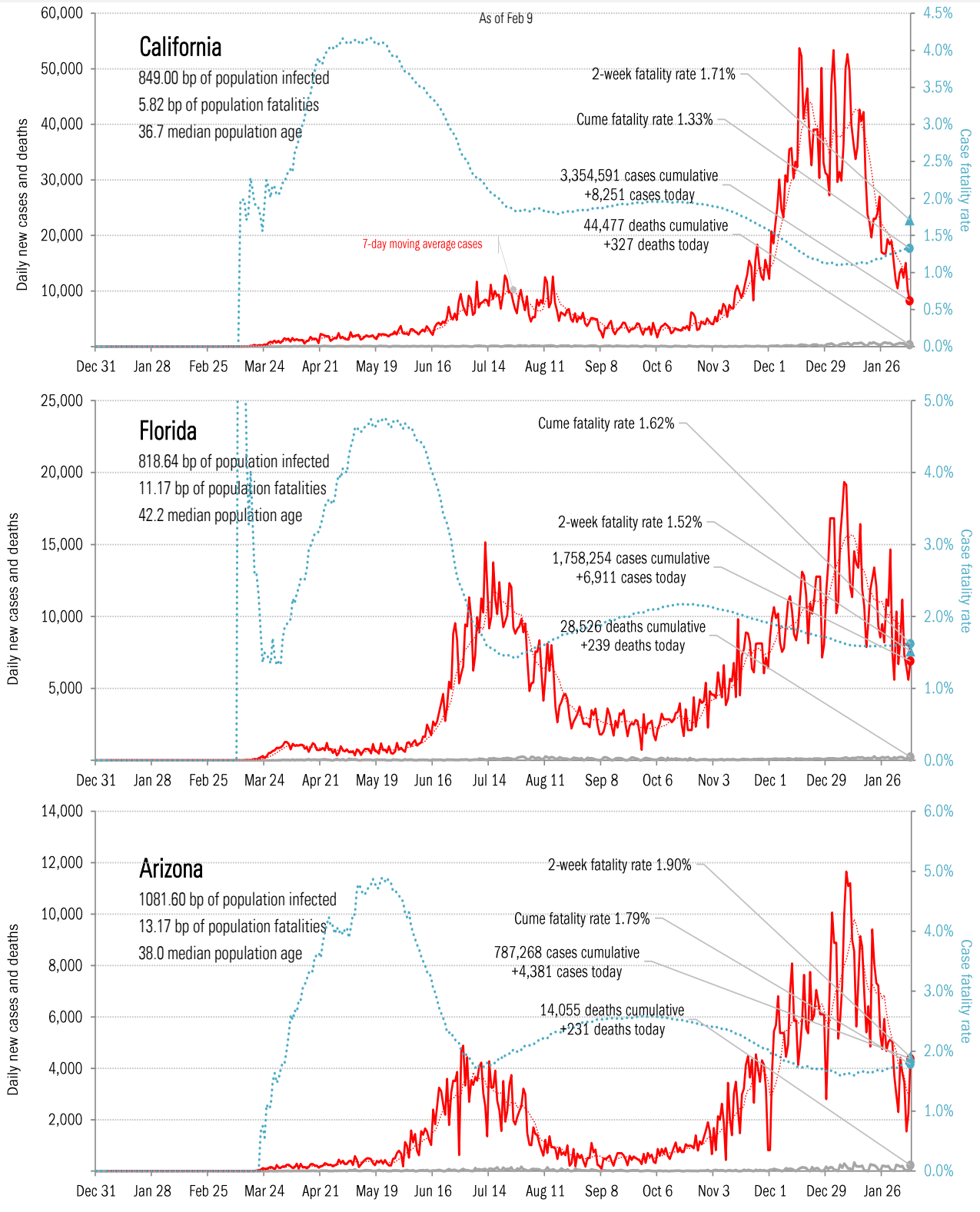
Source: Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



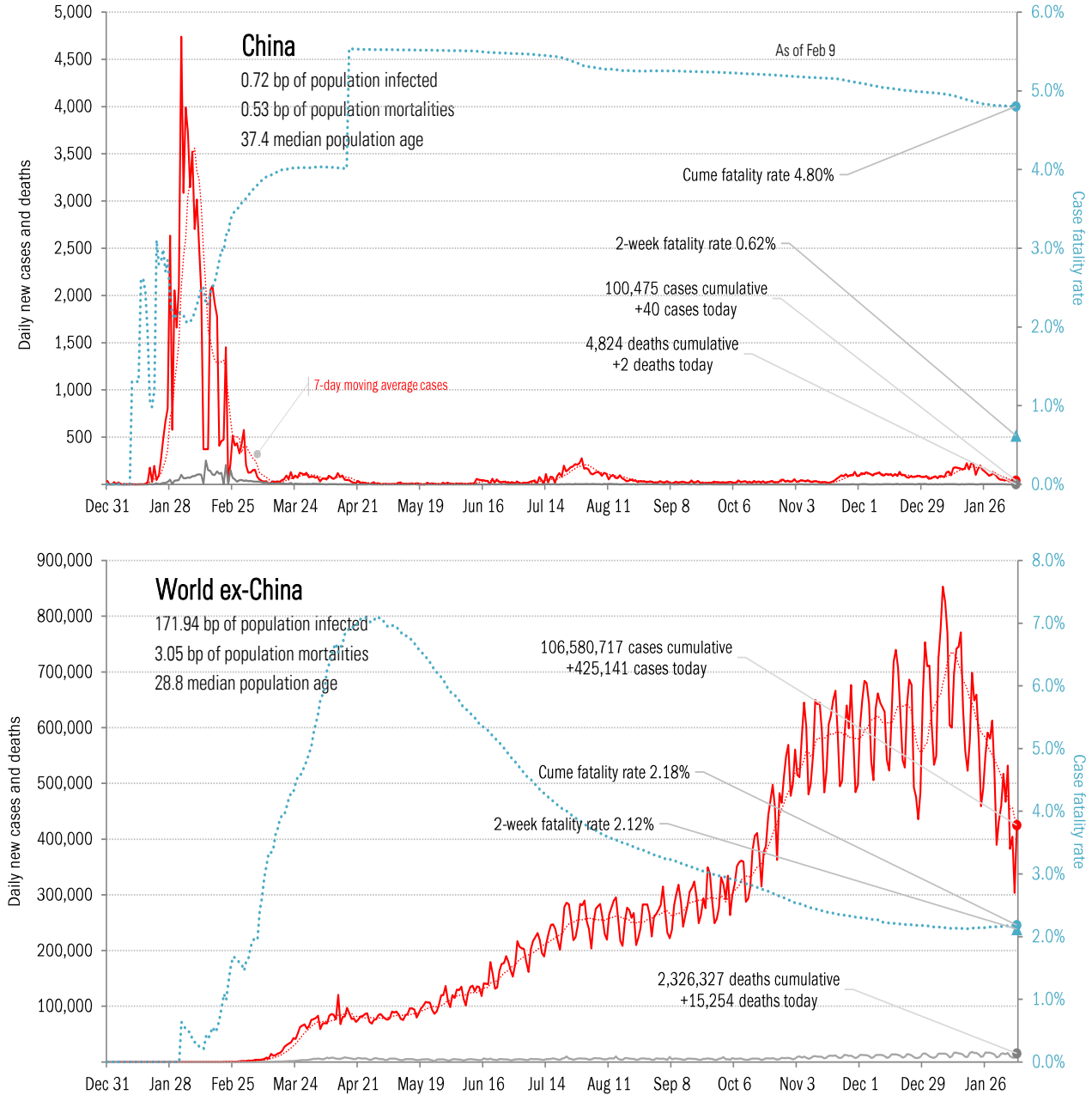
Source: Covid Tracking Project., TrendMacro calculations

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



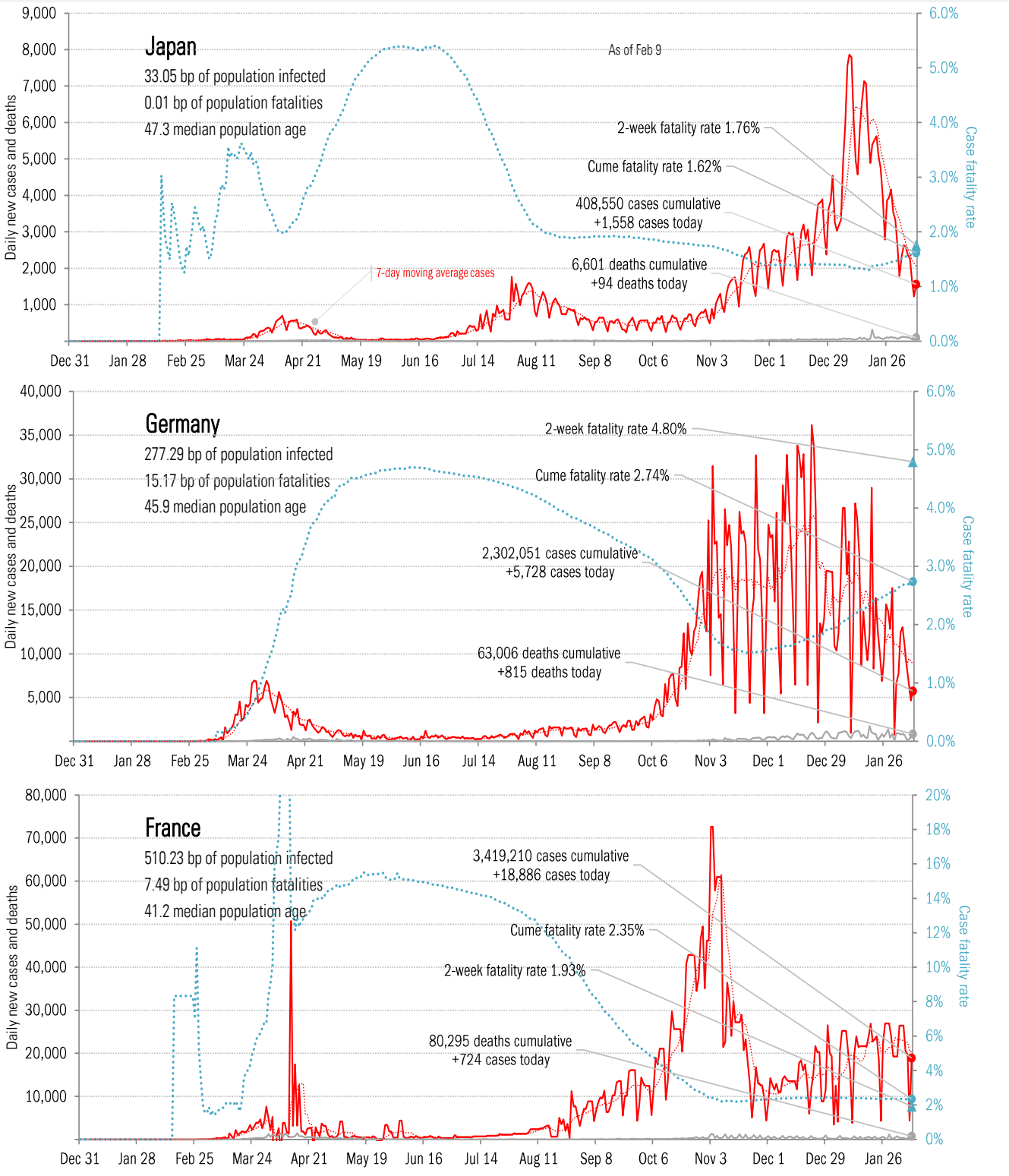
Source: Covid Tracking Project., TrendMacro calculations

Patient zero… and then everyone else



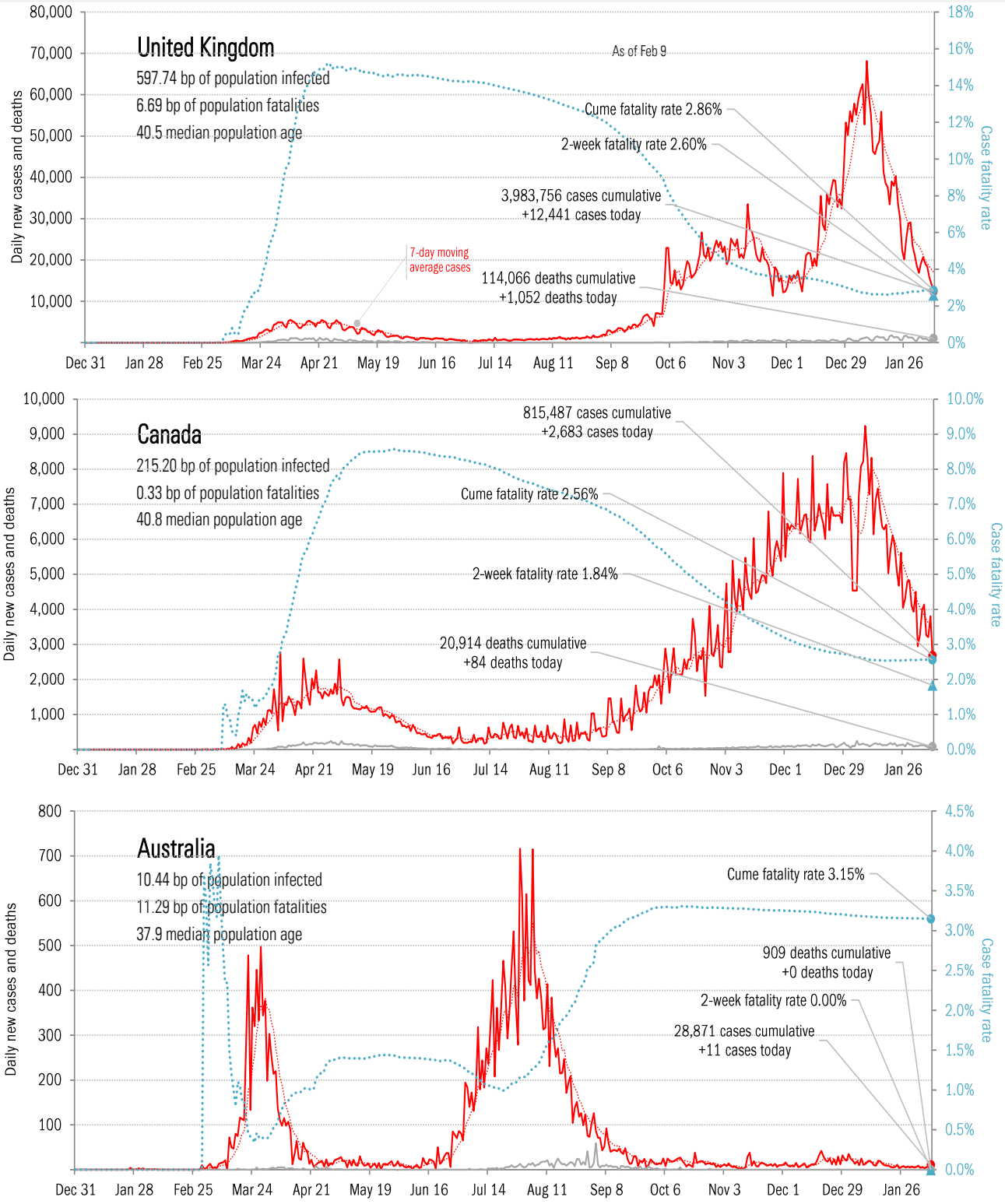
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



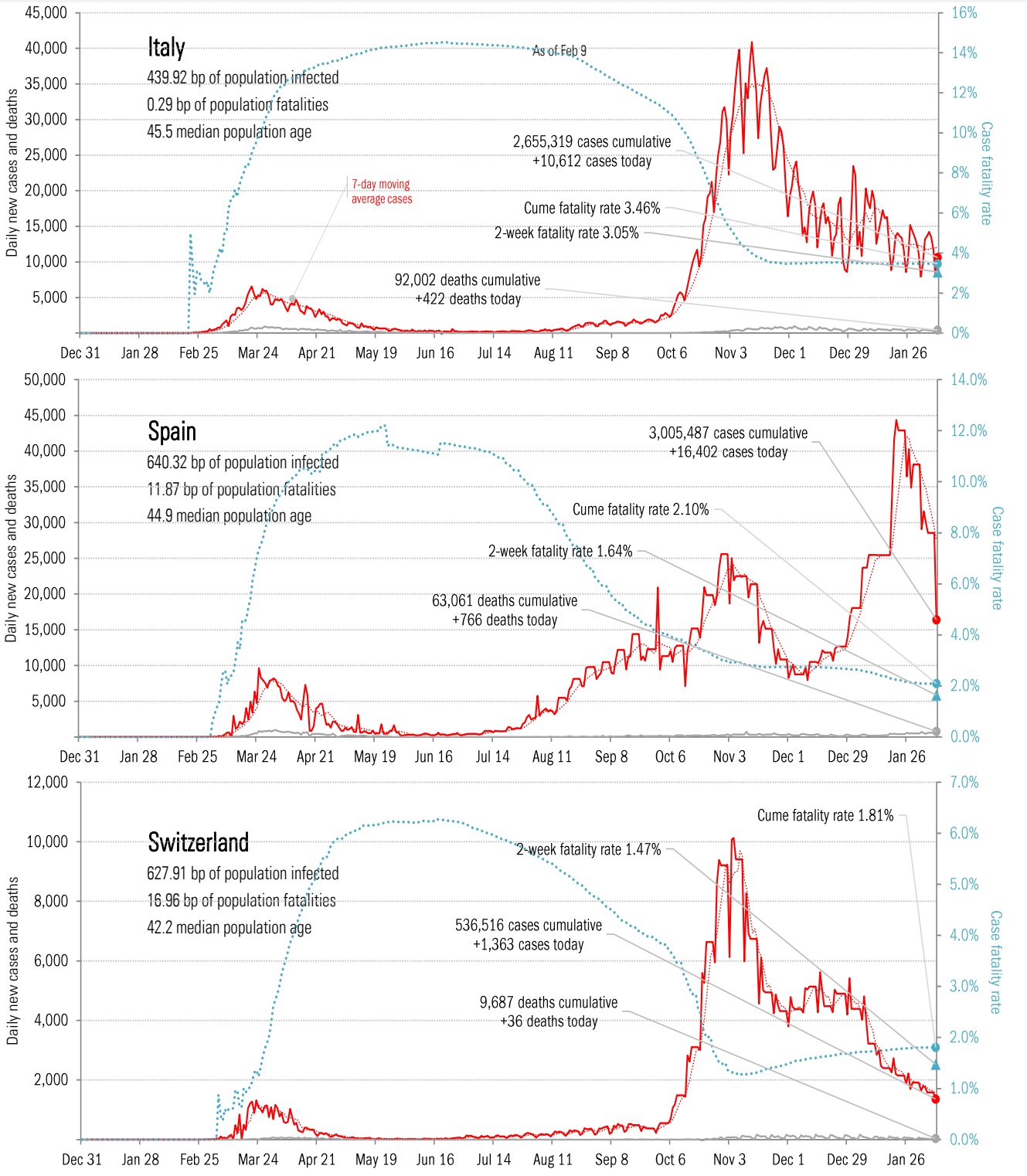
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



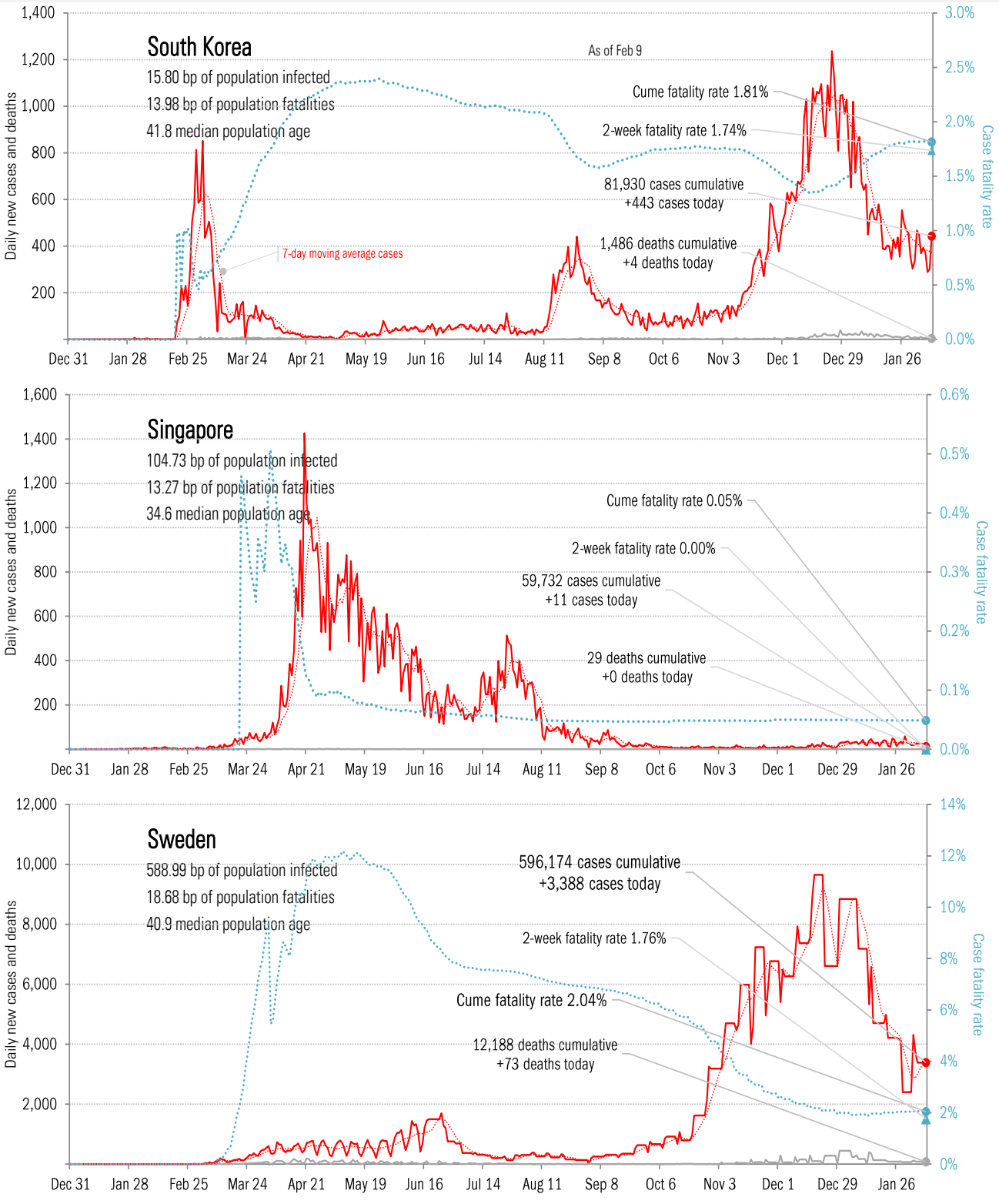
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



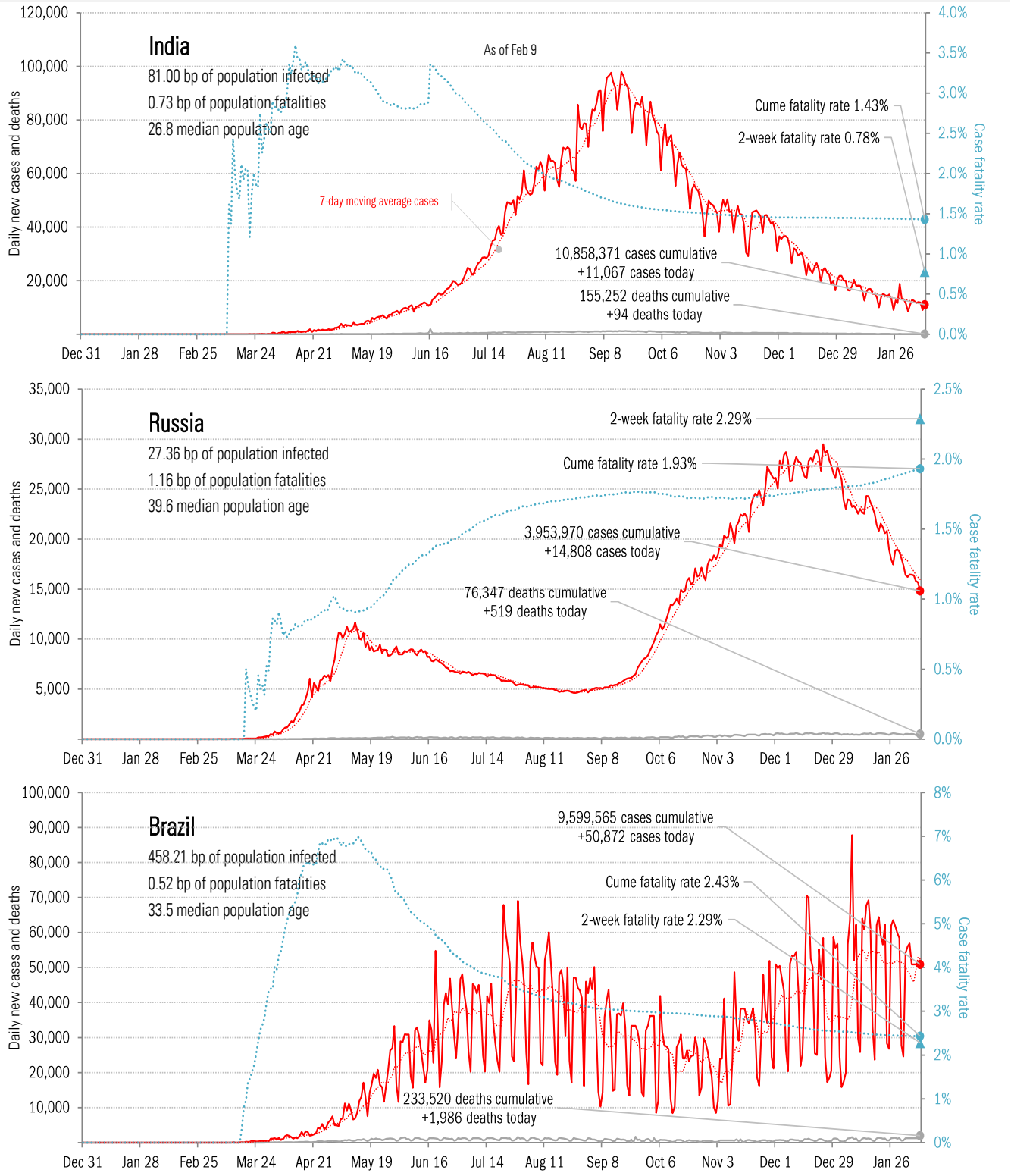
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



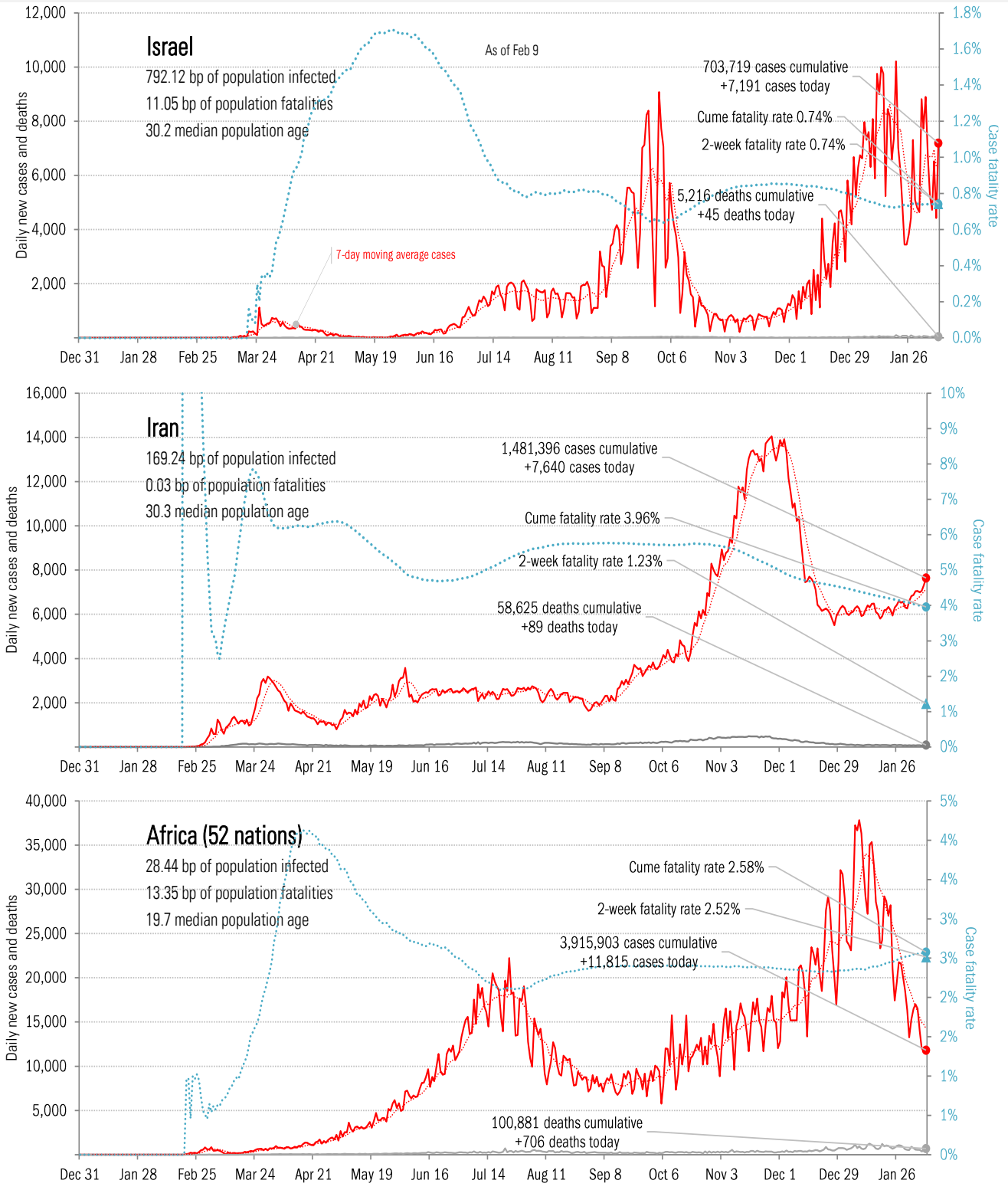
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



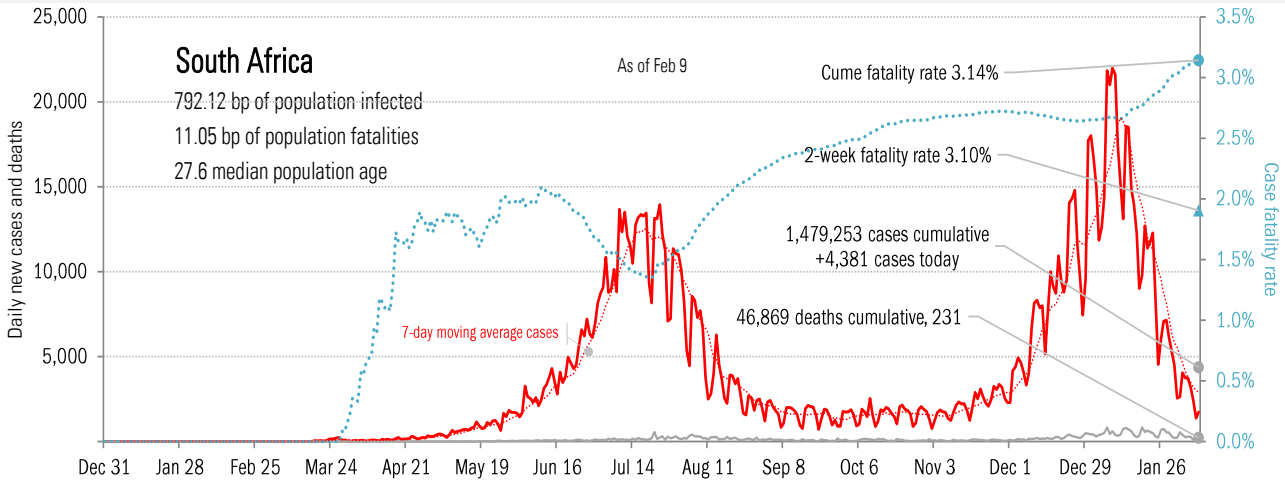
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations