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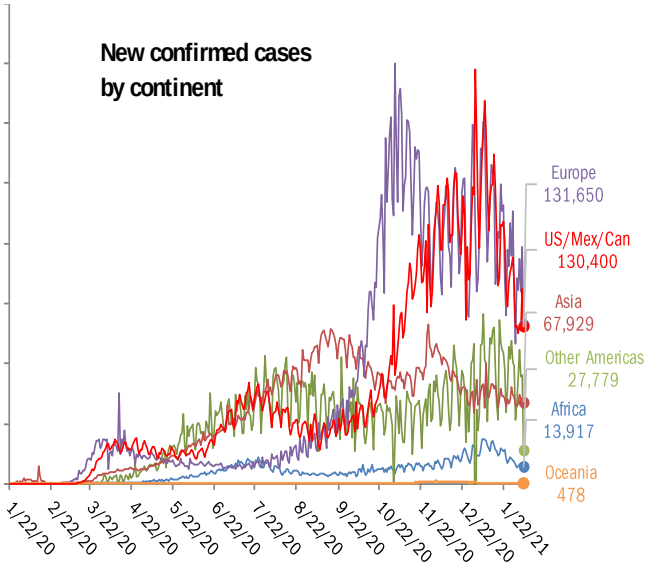
Data Insights: Covid-2019 Monitor

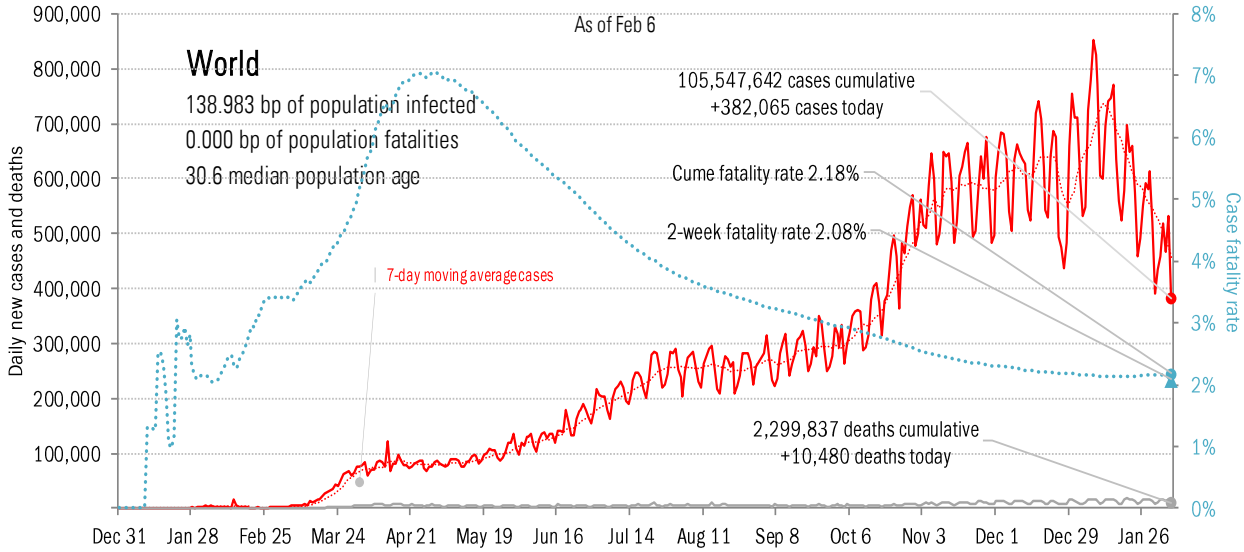
Sunday, February 7, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+113,927	United States	+2,983
France	+20,588	Mexico	+1,496
United Kingdom	+18,363	United Kingdom	+828
Russia	+16,379	Russia	+490
Italy	+13,439	Italy	+385
Mexico	+13,209	Colombia	+290
Indonesia	+12,156	Poland	+282
India	+12,059	South Africa	+278
Czechia	+8,635	Germany	+227
Germany	+8,632	Portugal	+214
	+237,387		+7,473
World	+382,065	World	+10,480
Top ten	62%	Top ten	71%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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The US scorecard

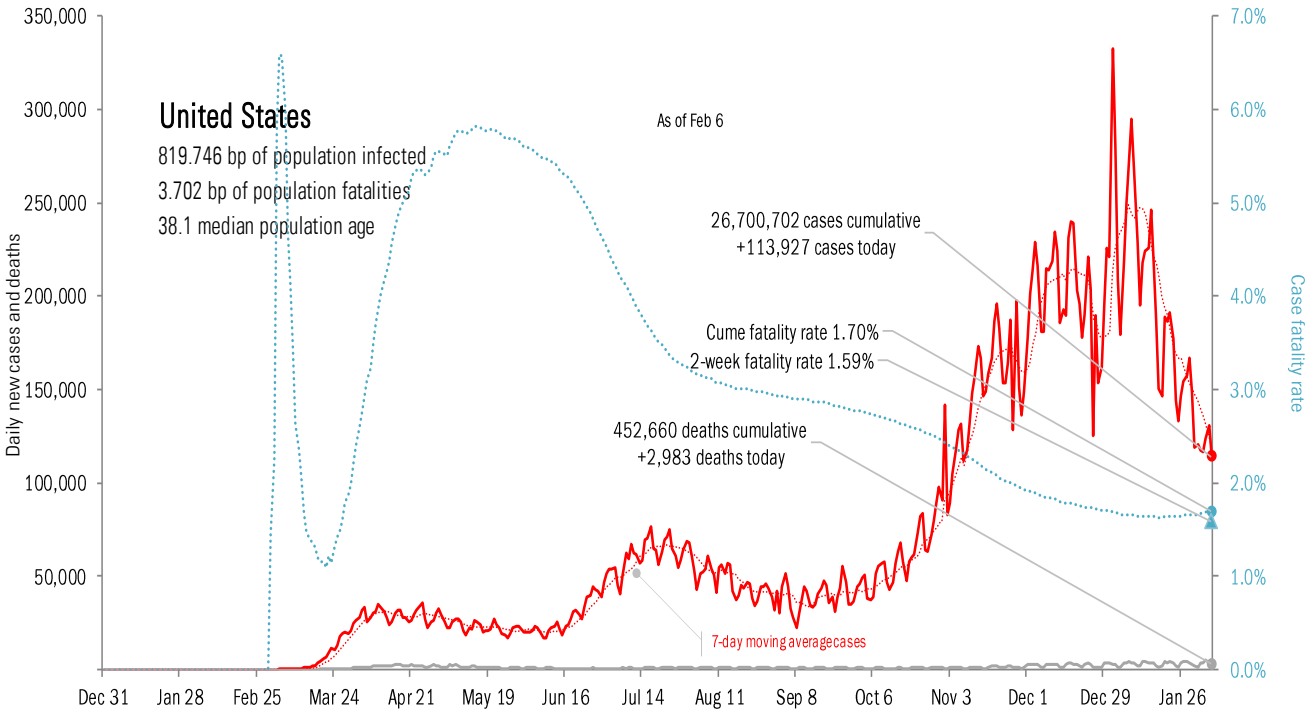
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	+13,897	CA	+623	NJ	+70	CA	3,320,862	CA	43,647	NY	89,995	RI	101%	GA	89%
CA	+12,394	TX	+348	NM	+23	TX	2,476,783	TX	38,476	FL	75,363	GA	82%	AL	88%
NY	+11,252	GA	+232	VA	+13	FL	1,739,276	NY	36,079	NJ	61,452	SC	81%	RI	87%
FL	+7,345	NY	+159	MT	+5	NY	1,460,747	FL	28,058	AZ	54,507	MA	80%	TX	85%
VA	+4,709	PA	+157	ND	+3	IL	1,144,281	PA	22,396	GA	51,732	CA	80%	OK	84%
NJ	+4,511	FL	+145	GU	+2	GA	937,402	NJ	21,964	OH	47,477	CT	80%	CA	84%
GA	+4,490	MI	+104	ME	+1	OH	918,079	IL	21,676	AL	43,005	FL	80%	NC	84%
NC	+4,172	NC	+85	AK	+0	PA	865,604	MI	15,854	IN	40,971	MD	79%	DC	84%
PA	+3,930	OH	+81	AS	+0	NC	791,521	GA	15,090	MD	32,863	MO	79%	FL	83%
MA	+3,619	NJ	+78	CT	+0	AZ	779,093	MA	14,921	WI	24,824	PA	78%	MO	82%
	+70,319		+2,012		+117		14,433,648		258,161		522,189				
All states	+113,927		+2,983		-2140	All states	26,700,702		452,660		824,763	All states	74%		75%
Top ten	62%		67%		-5%	Top ten	54%		57%		63%	Median	72%		73%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-3,826	KS	-206	AL	-125	TX	+19,707
SC	-3,089	TN	-145	NY	-103	MI	+16,694
KS	-2,647	AZ	-133	CA	-69	PA	+11,957
CA	-1,627	FL	-70	OH	-58	OH	+6,473
CT	-1,431	TX	-53	WA	-52	TN	+2,806



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

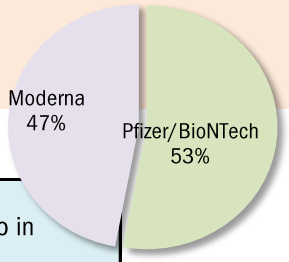
Rolling out the vaccines in the US

US overall	Over last day
59.30 million doses distributed	+0.92 million/day
39.04 million doses administered	+2.22 million/day
30.25 million persons with one or more shot	+1.34 million/day
8.32 million persons with two or more shots	+0.81 million/day
4.63 million shots long-term care residents/staff	+0.21 million/day

65.8% of distributed doses administered

11.9% of US pop at least 1 shot **2.5% 2 shots**

100.0% of LTC at least 1 shot **22.4% 2 shots**



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

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

278 days

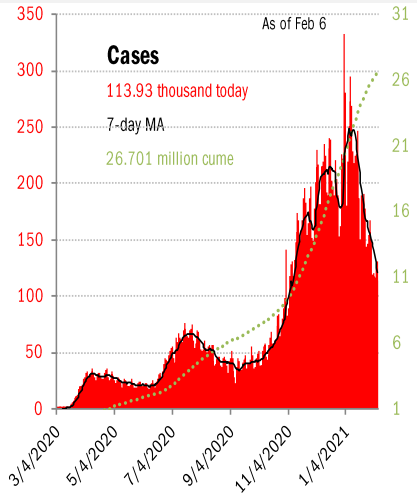
by Nov 11, 2021

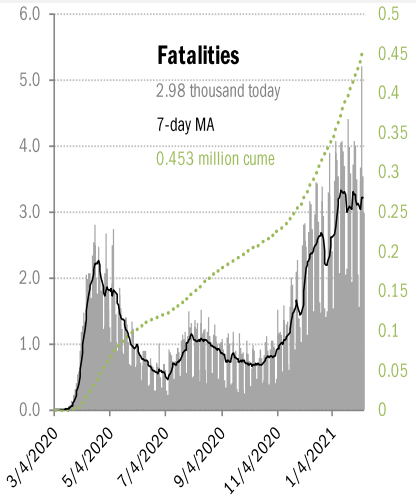
					WI					ME
					15.9%					18.9%
					9.0%				VT	NH
AK					1.9%				18.6%	19.0%
34.0%									9.4%	8.6%
14.1%									3.9%	3.2%
4.9%	WA	ID	MT	ND	MN	IL	MI		NY	MA	
	15.9%	14.9%	15.3%	17.3%	16.9%	16.5%	16.4%		17.4%	18.1%	
	9.0%	7.5%	9.0%	10.8%	9.0%	8.1%	9.0%		8.5%	8.3%	
	2.2%	1.8%	3.2%	4.6%	2.7%	2.2%	2.8%		2.4%	2.2%	
	OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
	17.4%	13.9%	17.6%	18.2%	16.2%	16.6%	16.3%	17.9%	16.7%	20.8%	18.2%
	9.2%	8.6%	9.7%	10.0%	7.1%	8.8%	8.3%	8.1%	8.9%	11.1%	7.7%
	2.8%	1.8%	2.6%	4.4%	2.6%	2.3%	2.3%	2.3%	2.2%	3.2%	2.9%
	CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
	17.6%	15.4%	17.2%	17.9%	15.7%	16.7%	19.9%	16.3%	17.0%	16.6%	
	8.6%	8.9%	8.9%	8.1%	7.3%	9.1%	12.0%	9.9%	8.2%	9.8%	
	1.8%	2.8%	3.1%	3.1%	2.1%	2.4%	5.6%	2.1%	2.1%	2.3%	
		AZ	NM	KS	AR	TN	NC	SC	DC		
		16.3%	17.4%	16.9%	17.9%	16.9%	16.4%	13.3%	23.7%		
		8.7%	11.5%	7.5%	9.6%	7.6%	9.0%	8.5%	10.2%		
		1.9%	3.8%	2.1%	2.7%	3.3%	2.2%	2.0%	3.4%		
				OK	LA	MS	AL	GA		
				18.6%	16.6%	17.3%	16.4%	15.9%		
				10.3%	9.0%	8.5%	7.6%	8.4%		
				3.3%	3.2%	1.6%	1.7%	1.8%		
HI				TX					FL		PR
18.6%				15.2%					17.7%		19.5%
9.4%				8.2%					8.7%		7.2%
2.6%				2.5%		As of Feb 6			2.4%		2.2%

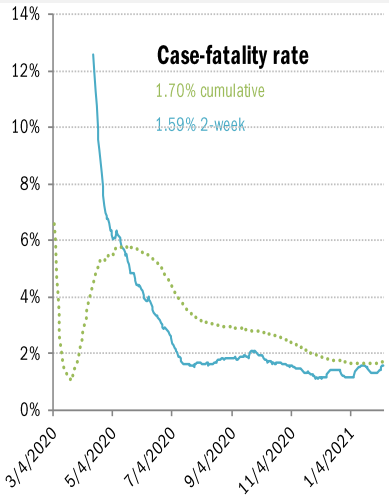
Source: CDC, CDC, TrendMacro calculations

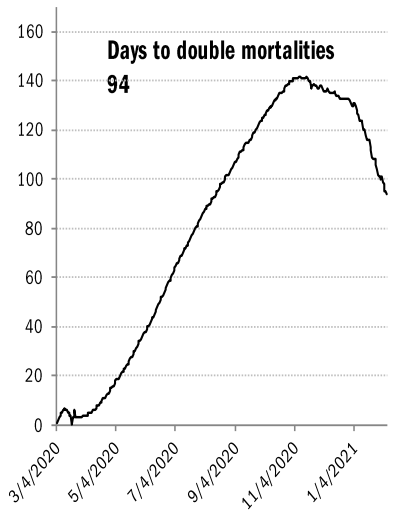
US deep-dive

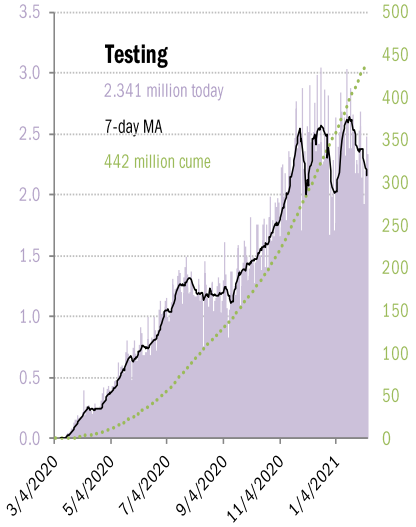
National and state-by-state data do not line up because of different sources

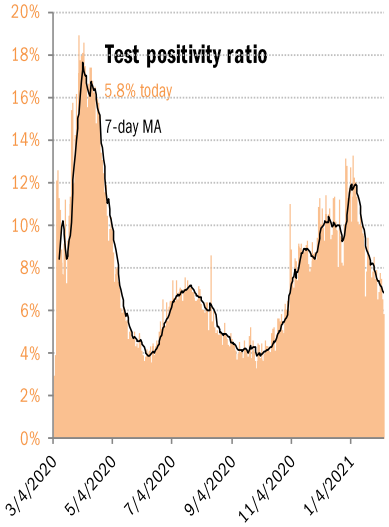


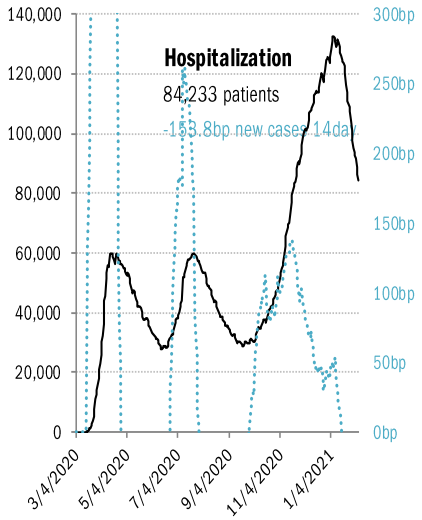


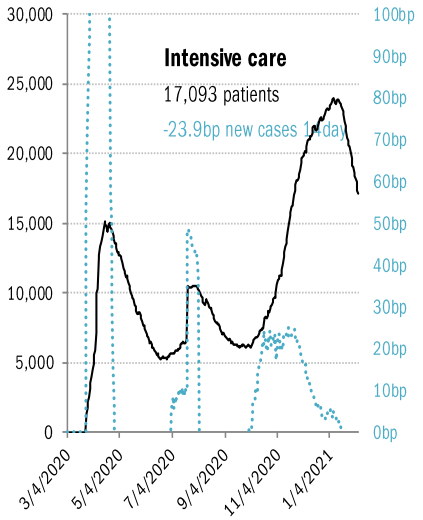


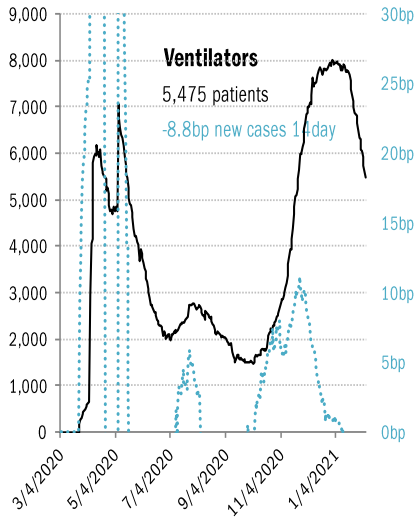






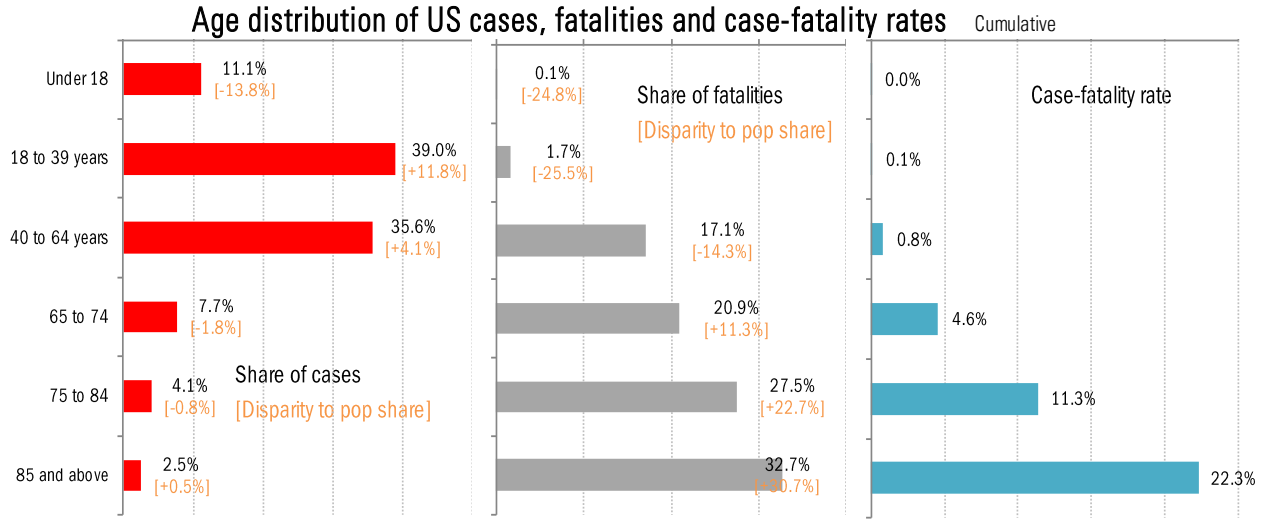


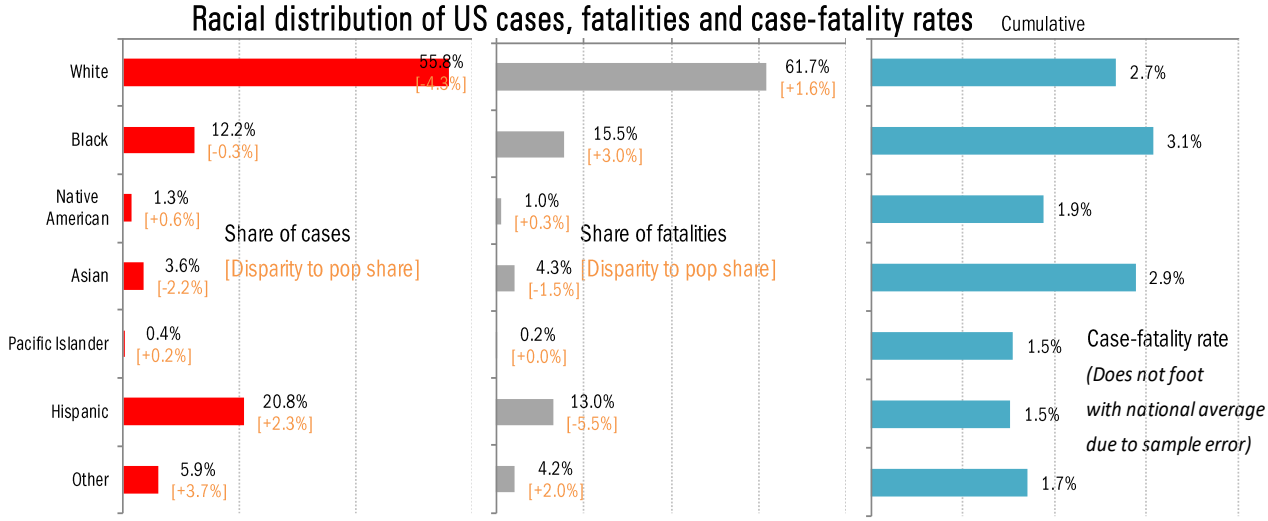


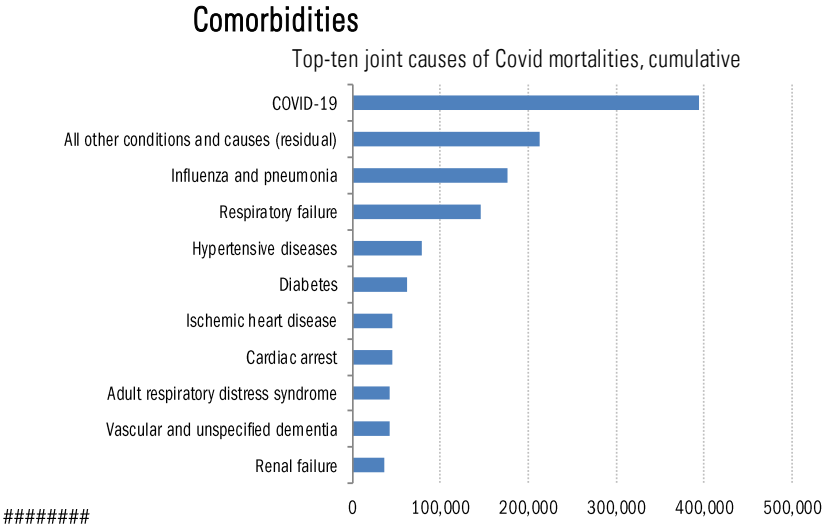


Source: Covid Tracking Project, TrendMacro calculations

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.

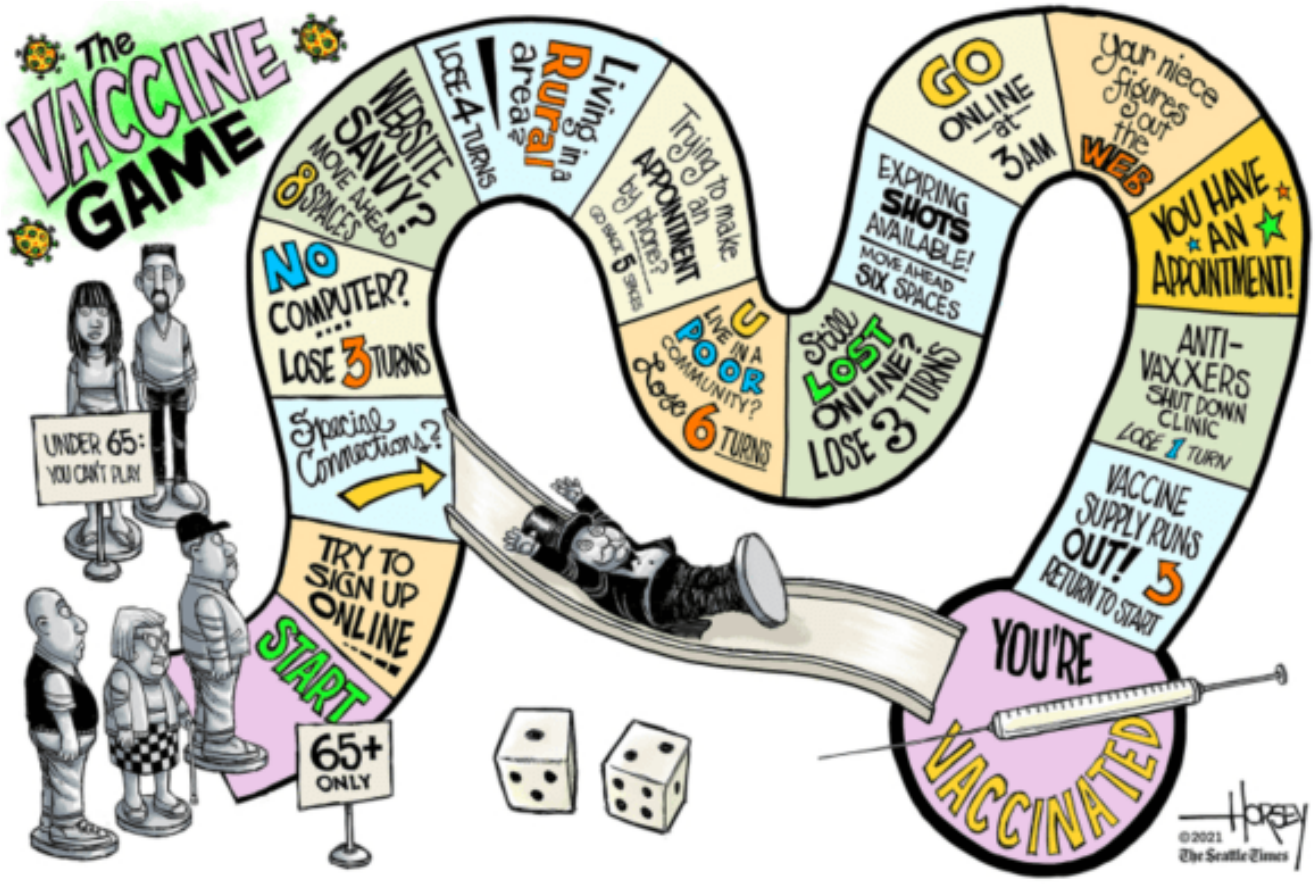
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

[Bystander at the Switch: The Moral Case Against COVID Lockdowns]
Julius Ruechel
Julius Ruechel
January 25, 2021

[Can the vaccine keep up with the Covid variants?]
Tom Chivers
UnHerd
February 3, 2021

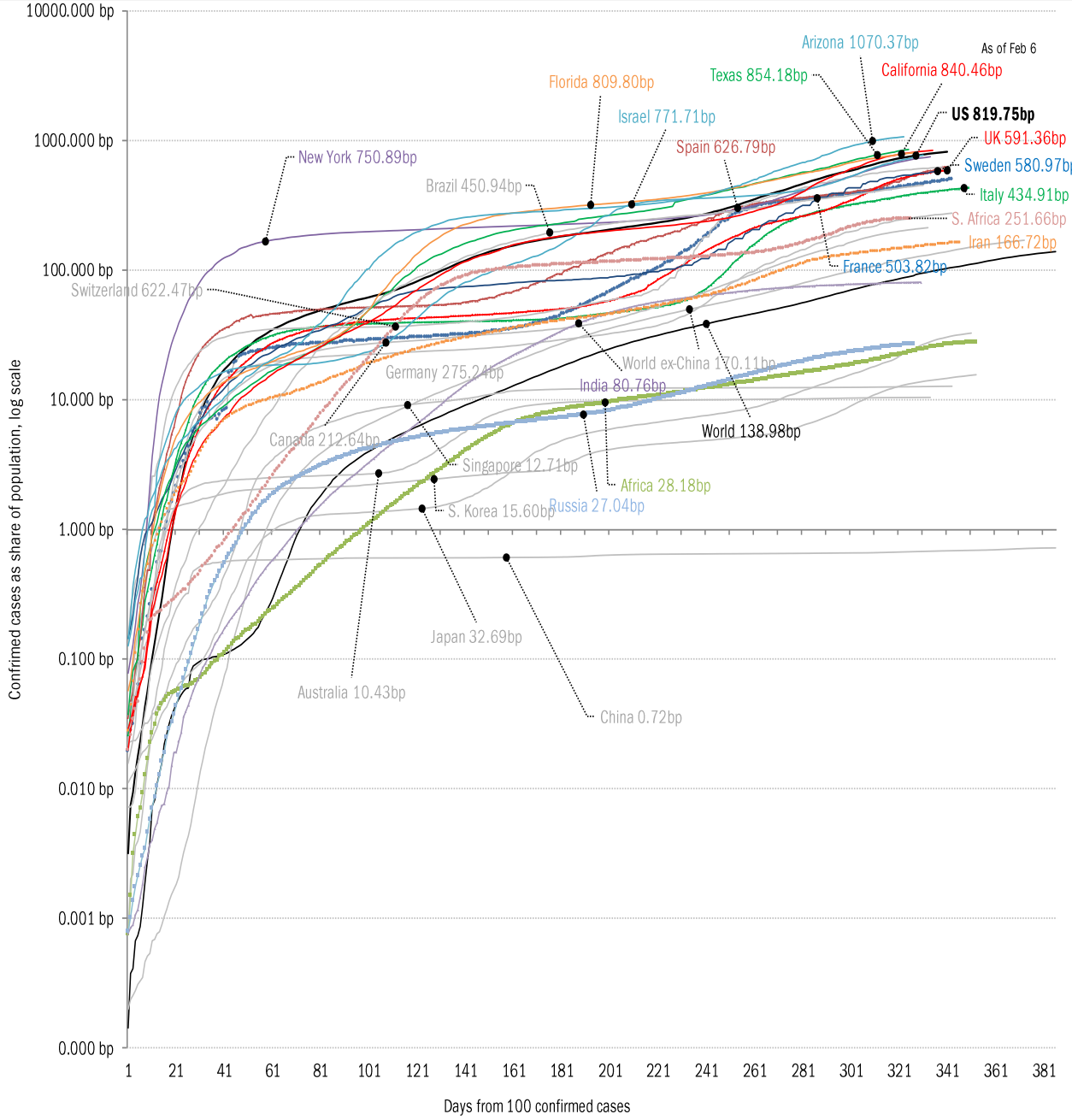
Meme of day



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

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

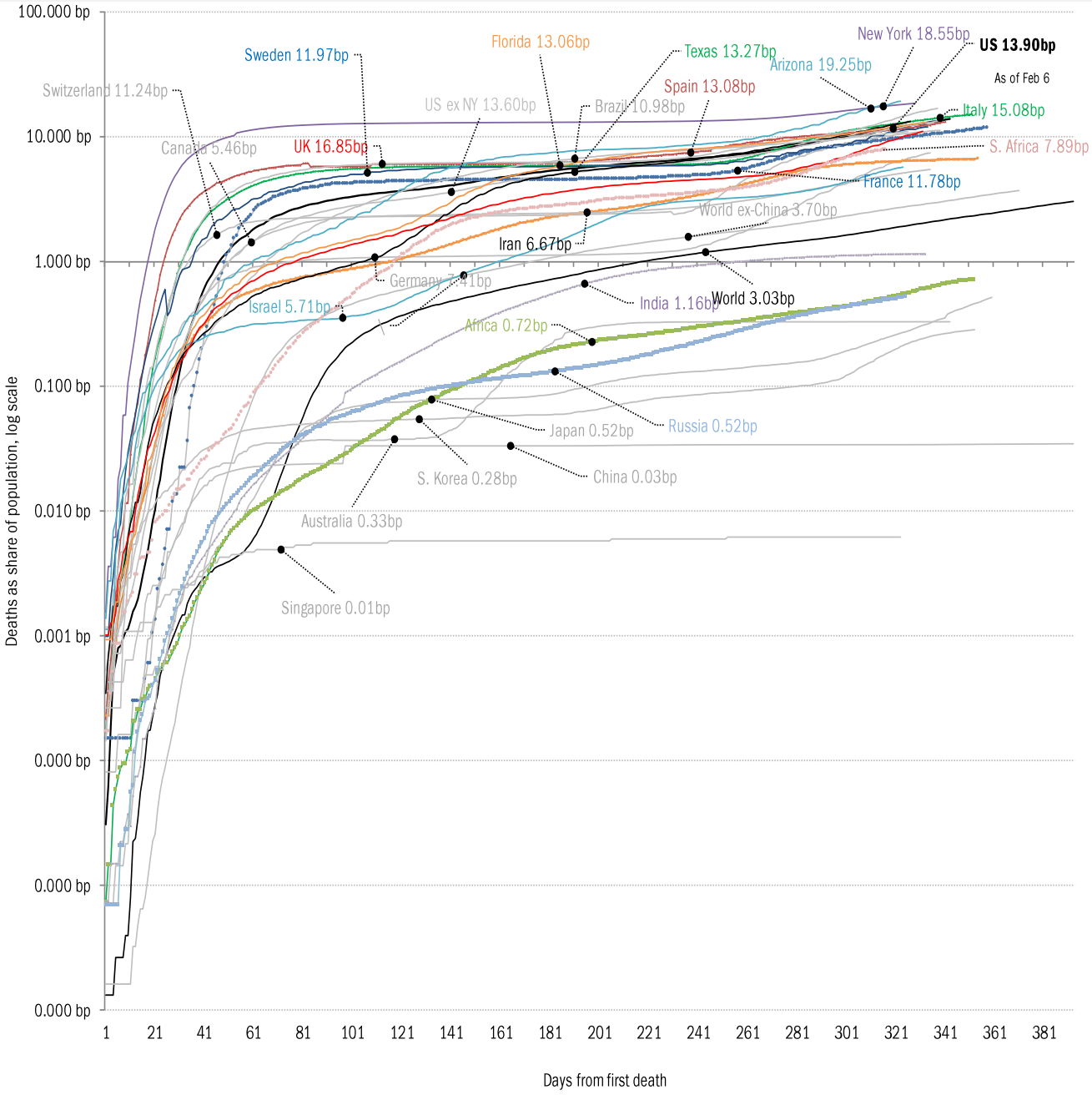
Share of infected population from first day with 100 confirmed cases, log scale



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

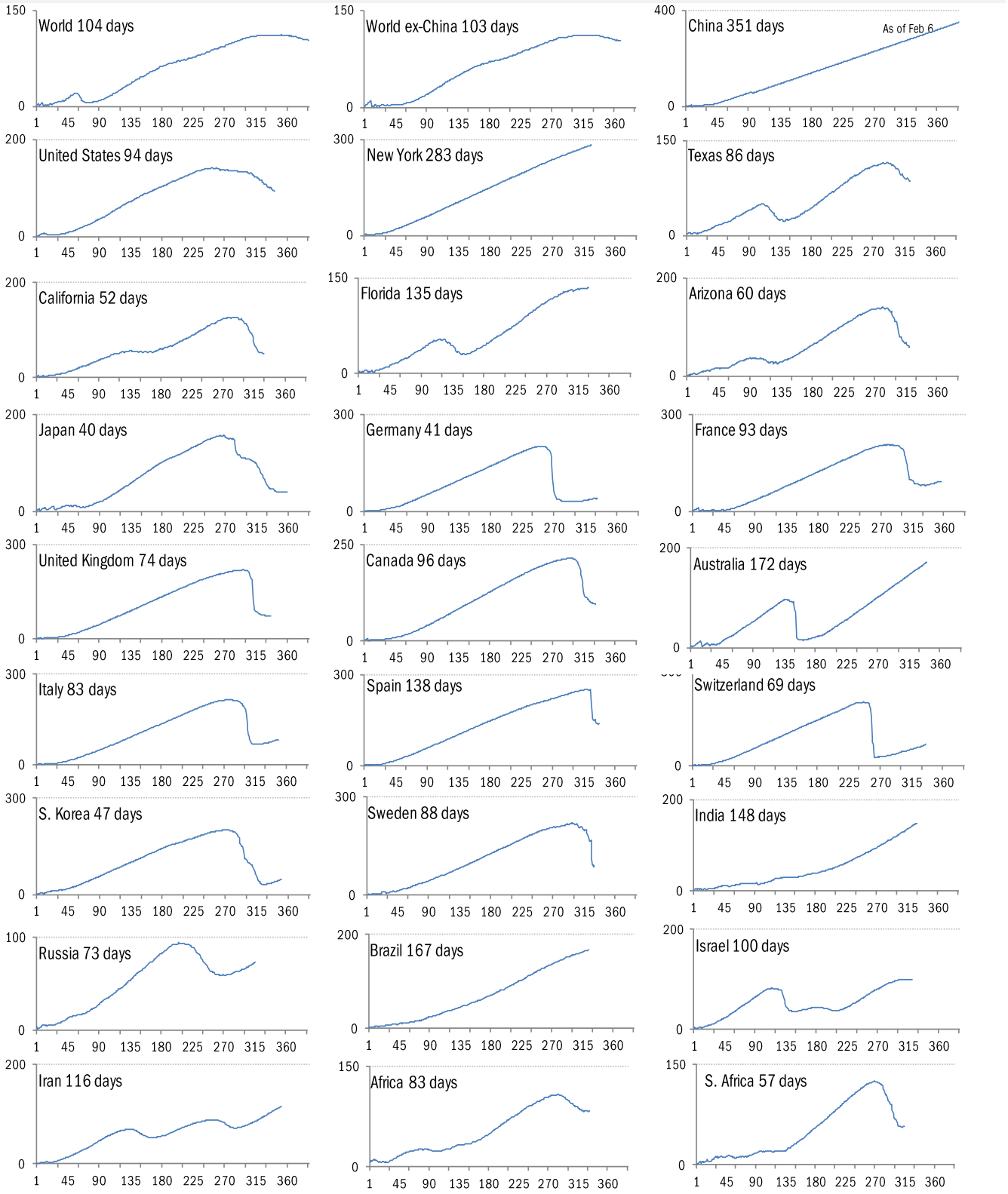


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

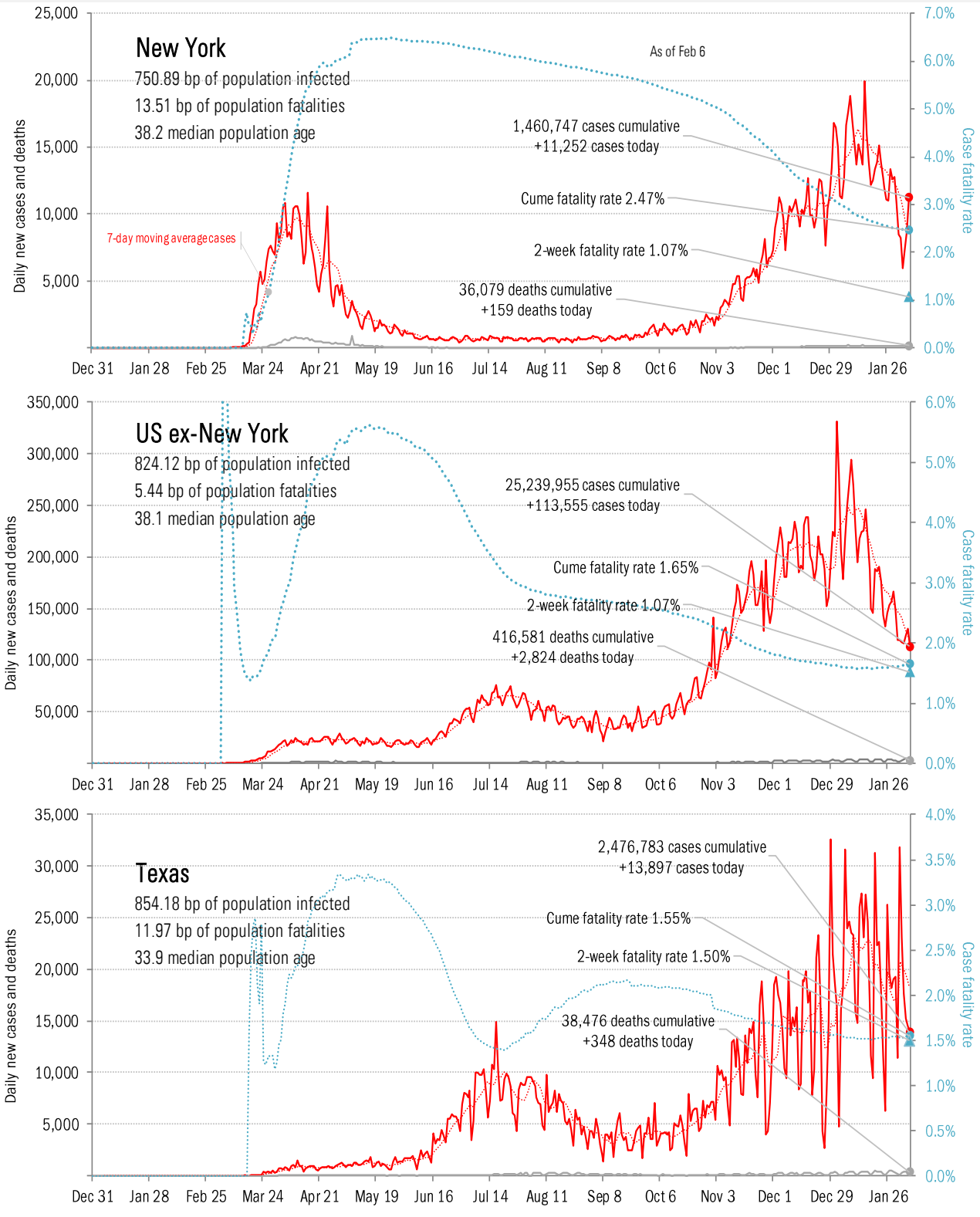
Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

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

Downward trajectory Five best Upward trajectory Five worst

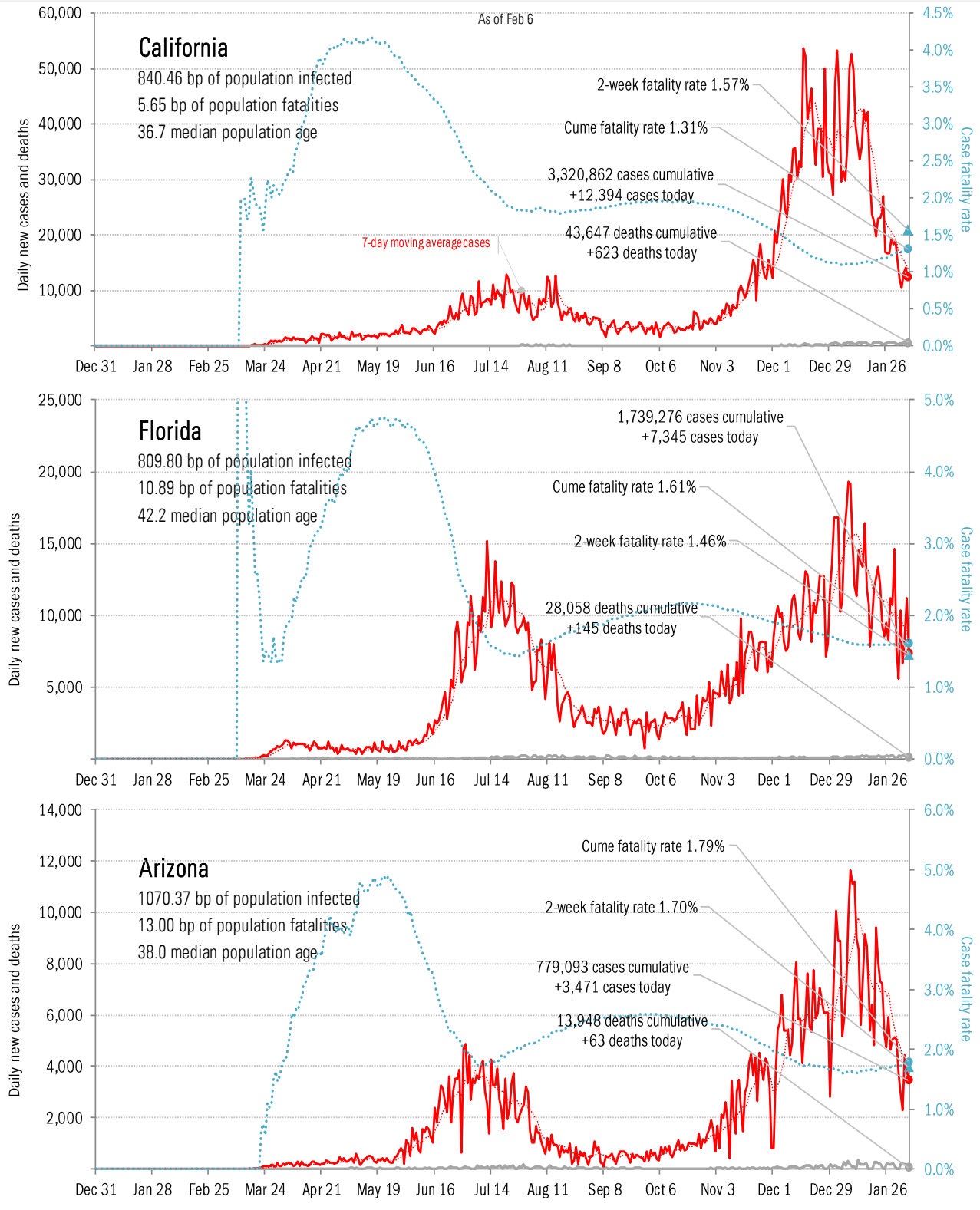
Source: Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



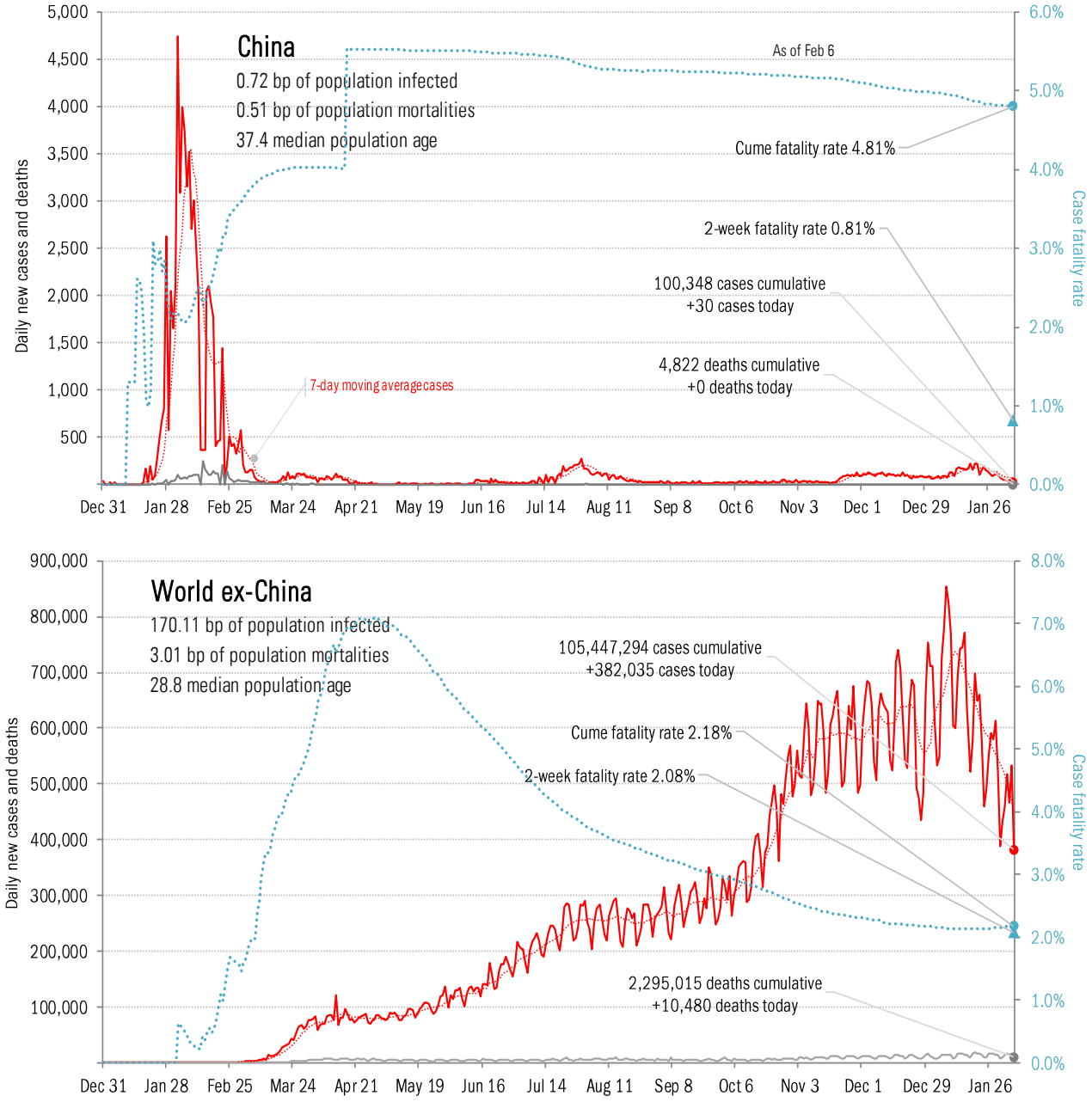
Source: Covid Tracking Project., TrendMacro calculations

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



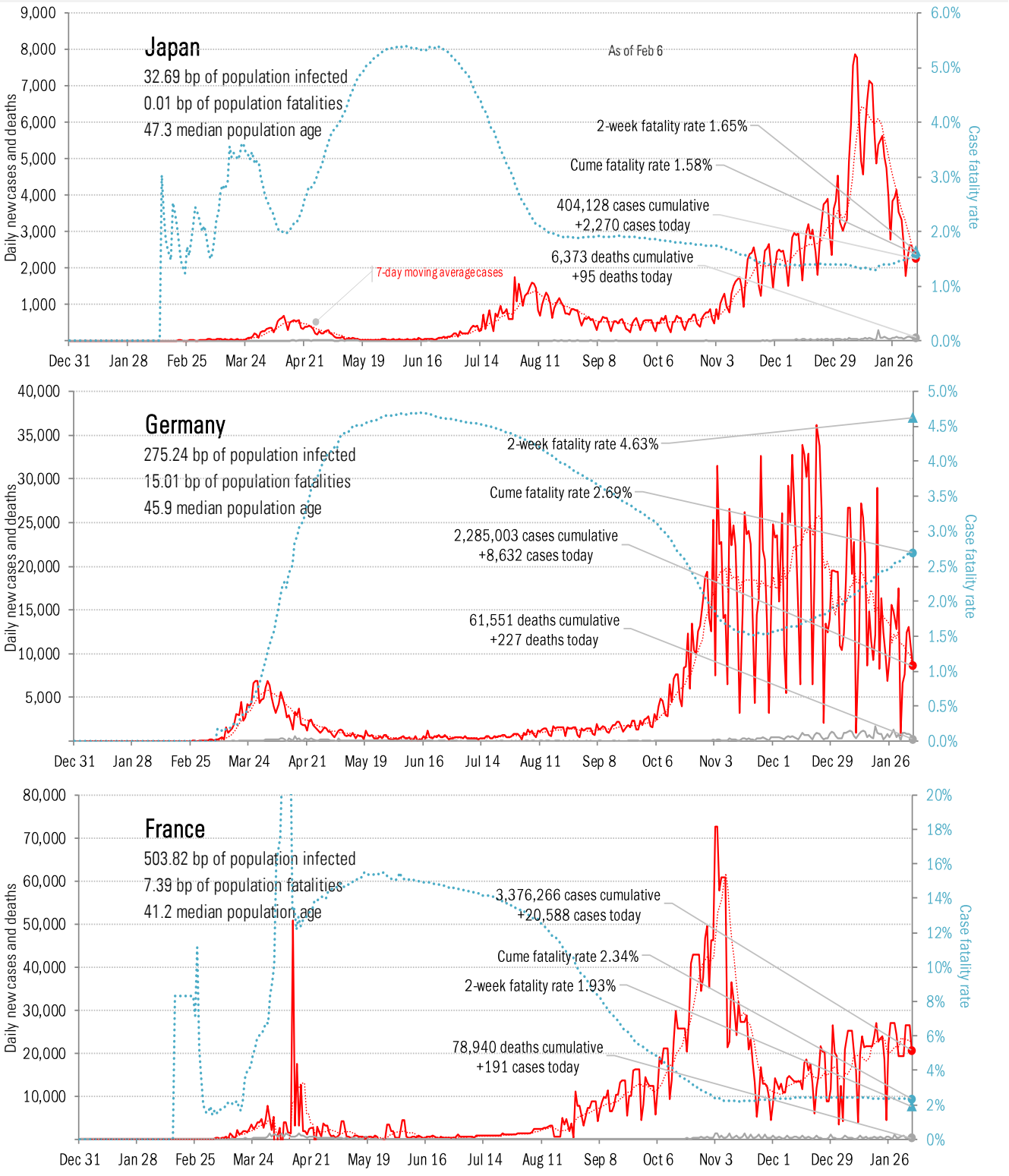
Source: Covid Tracking Project., TrendMacro calculations

Patient zero… and then everyone else



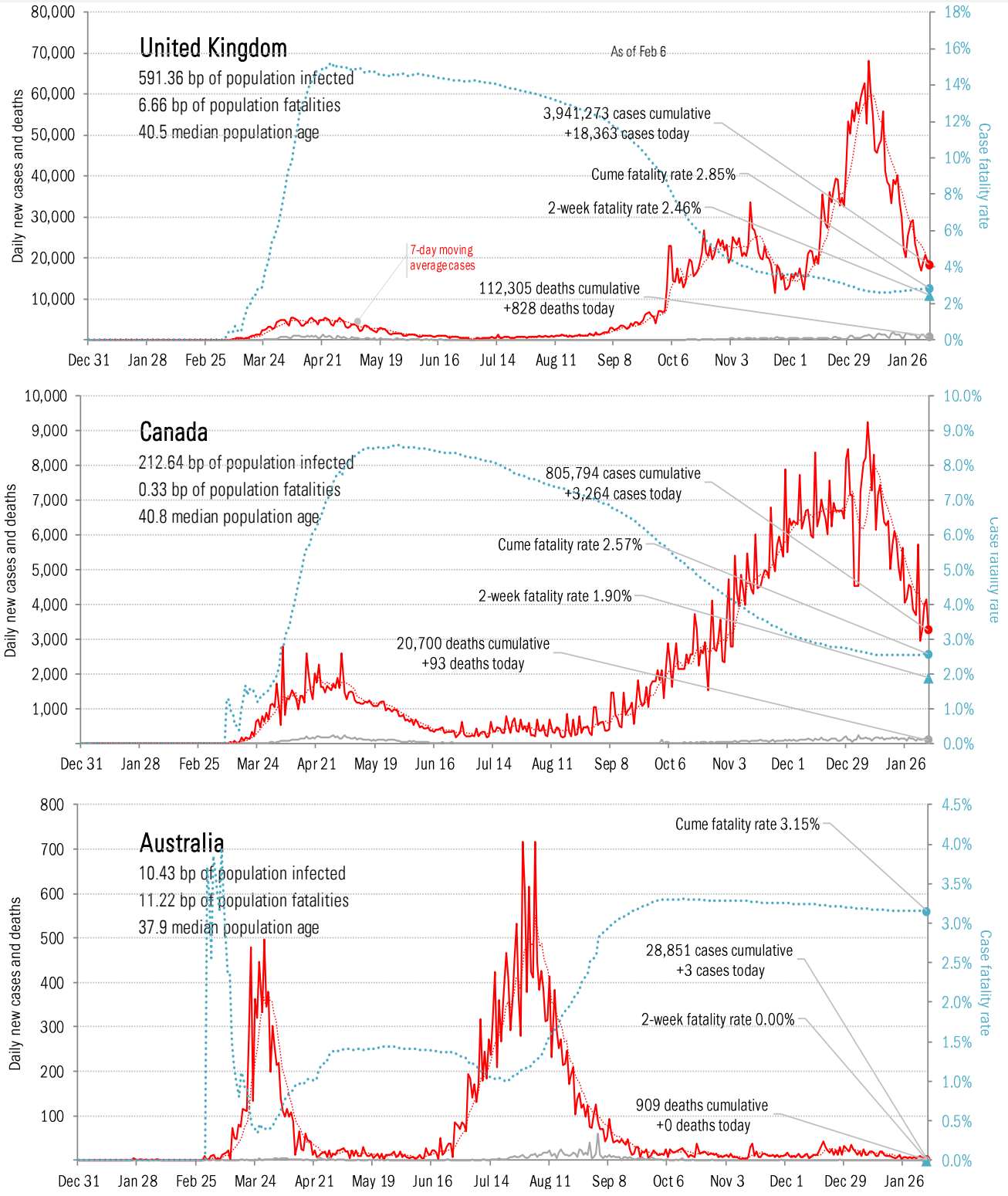
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

Impact in the largest economies



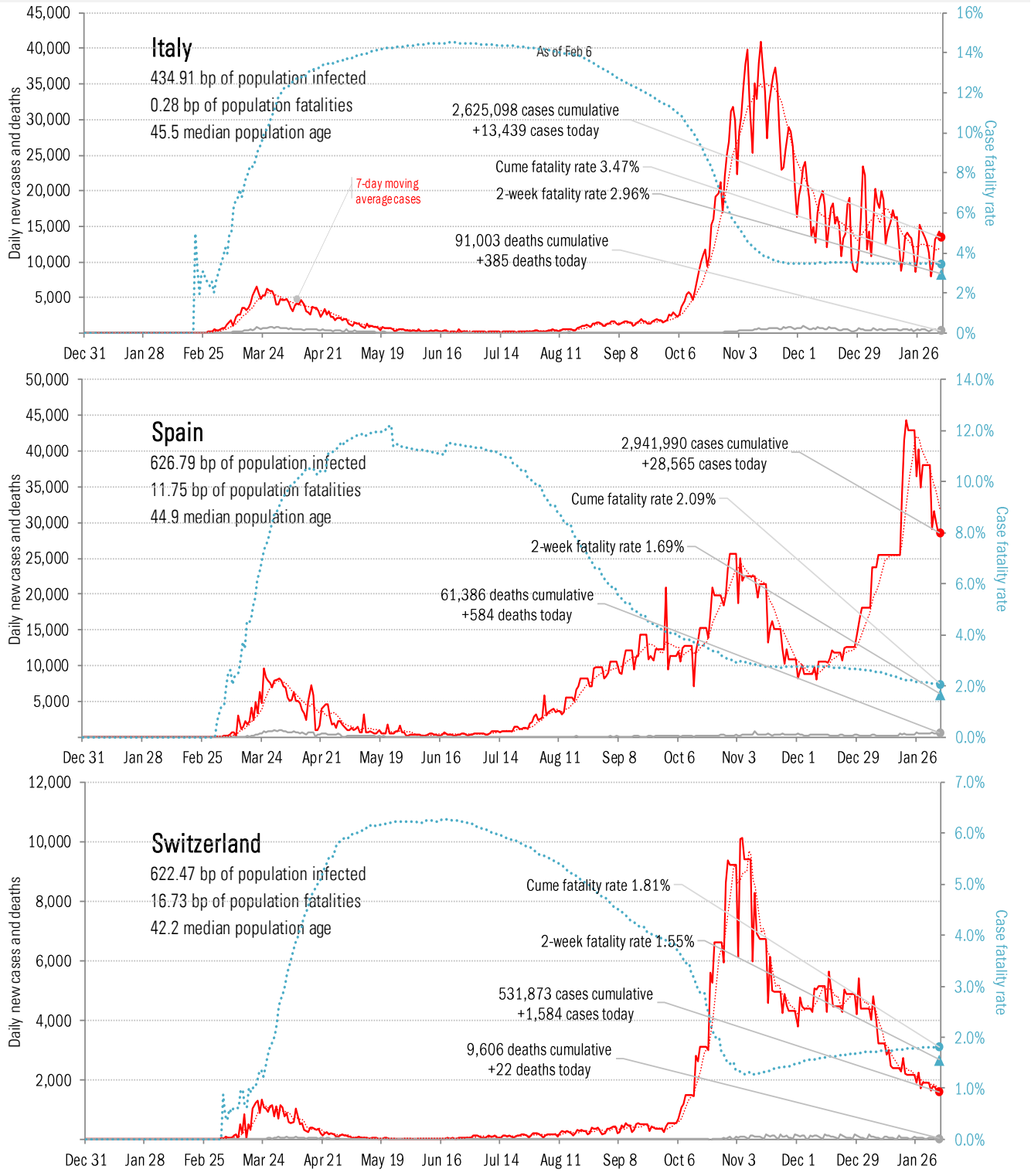
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



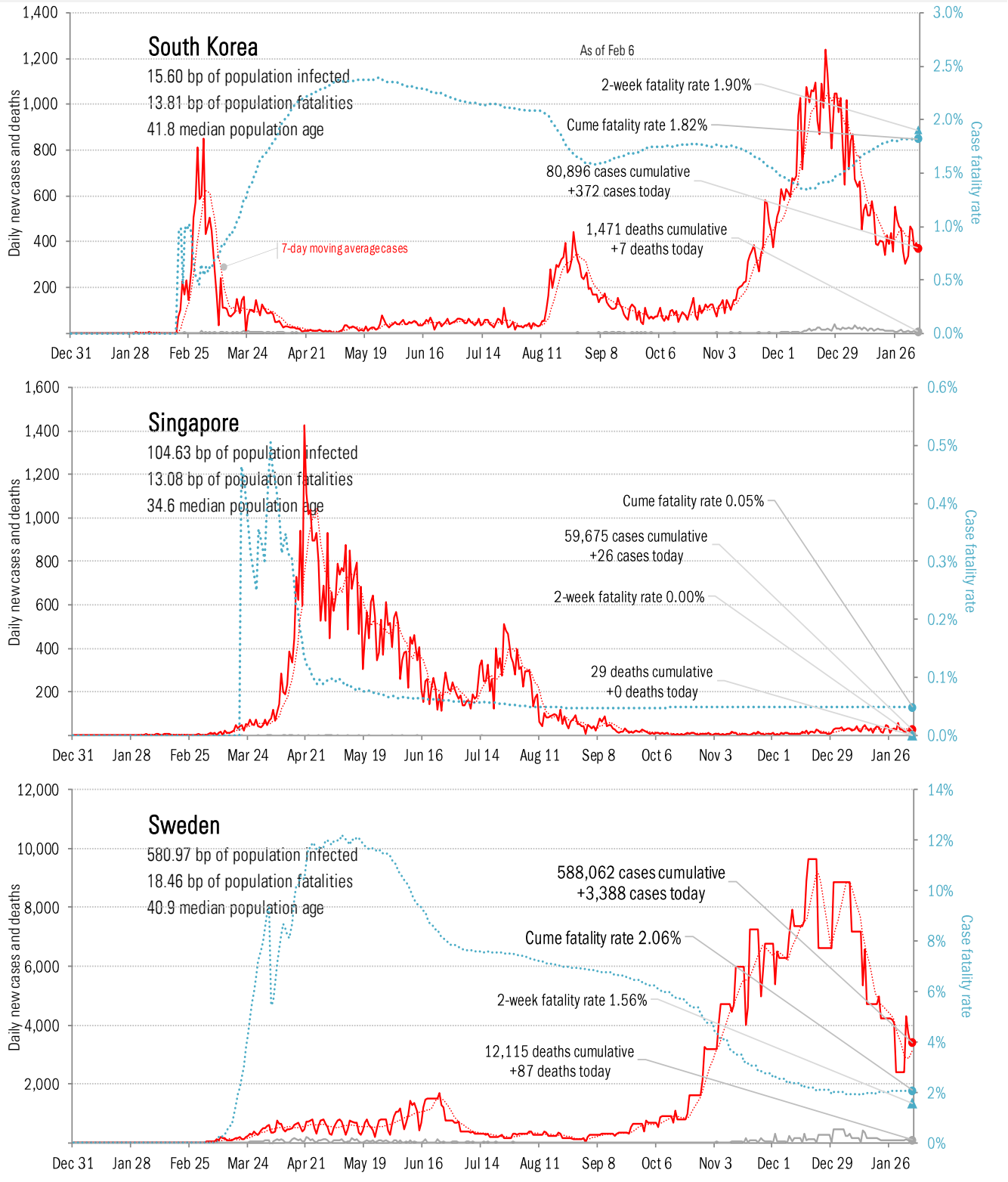
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



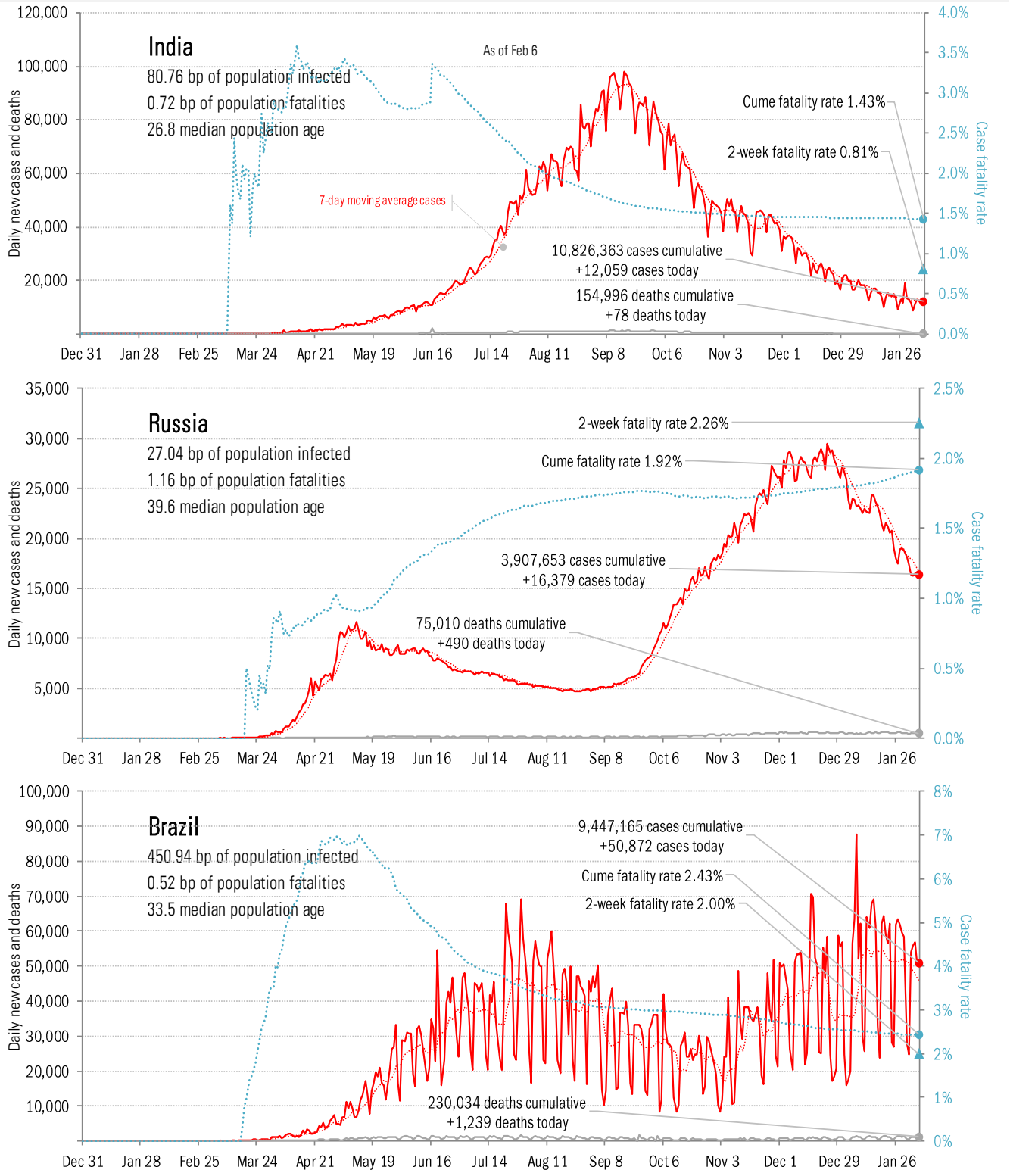
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



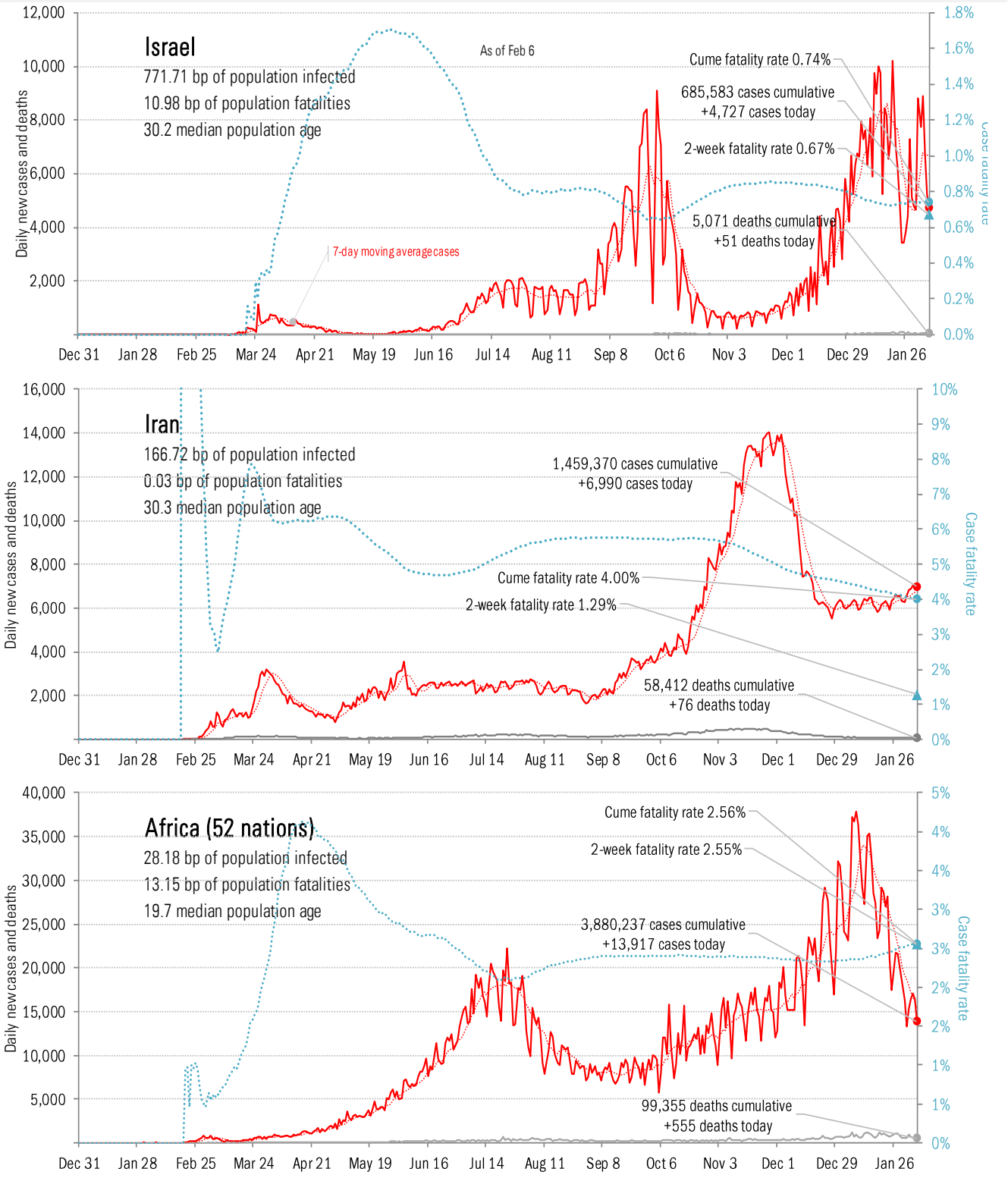
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



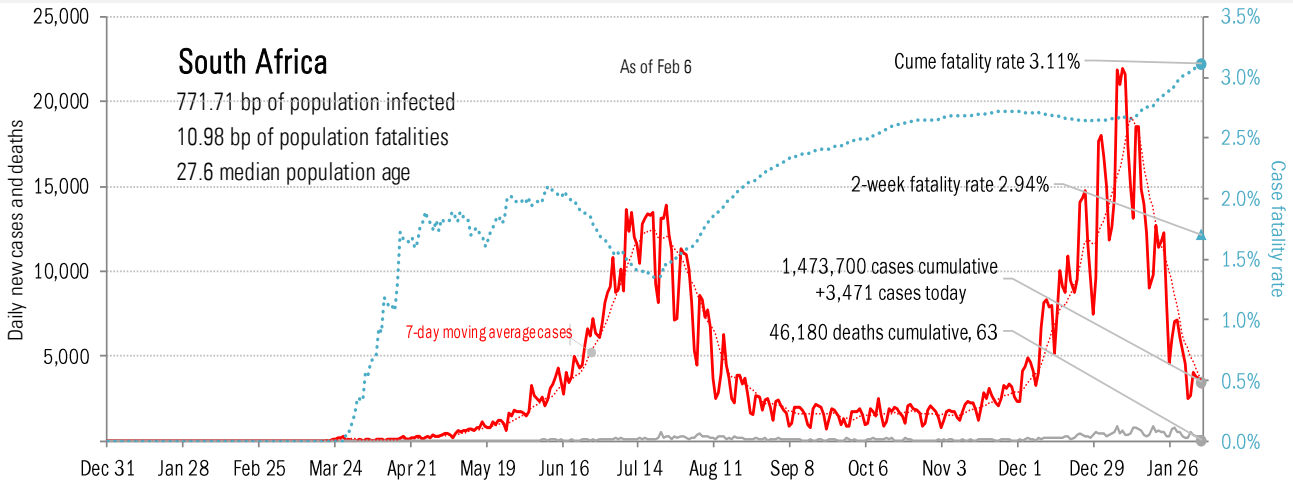
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations