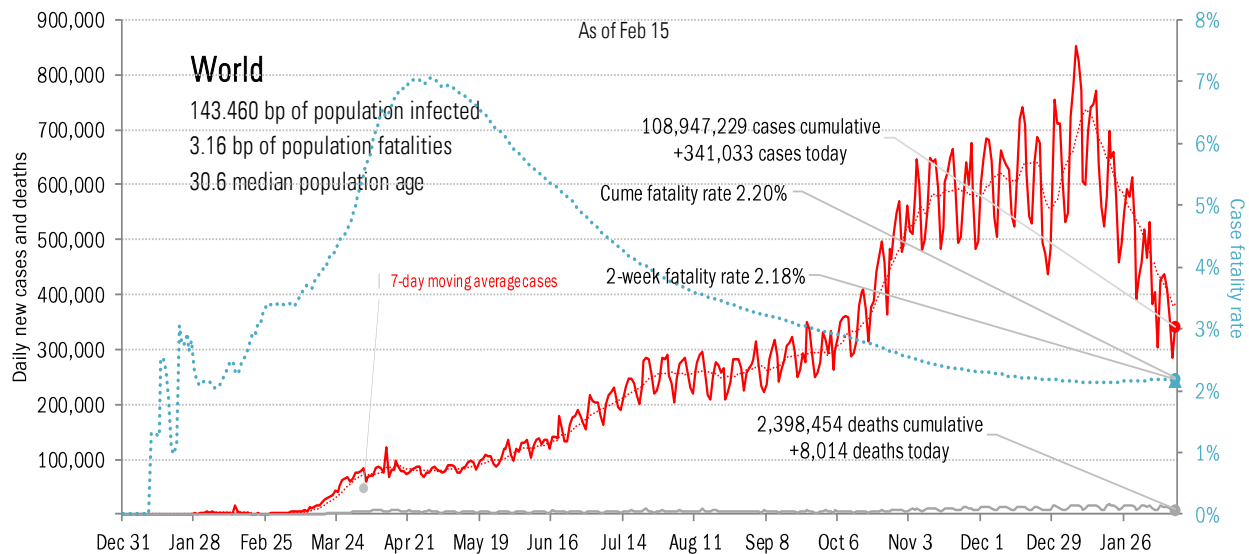
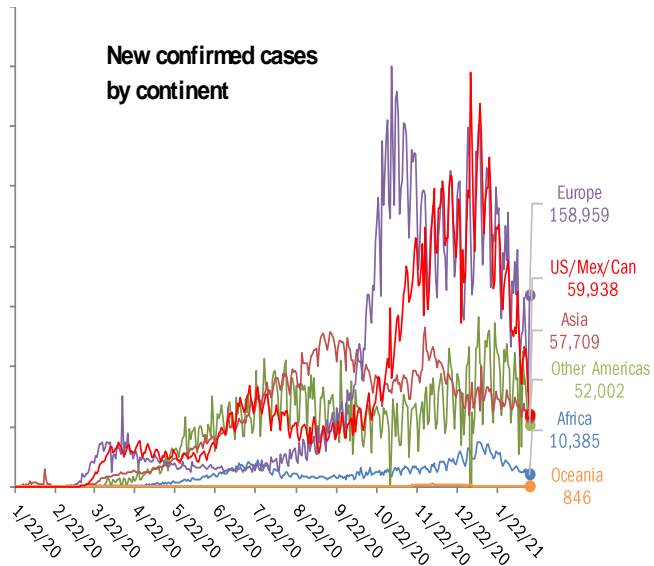


Data Insights: Covid-2019 Monitor

Tuesday, February 16, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
France	+60,972	France	+1,413
United States	+55,077	United States	+1,078
Brazil	+32,197	Spain	+702
Spain	+30,251	Brazil	+528
Russia	+13,999	Mexico	+450
United Kingdom	+9,776	Russia	+385
India	+9,121	Italy	+258
Turkey	+7,945	United Kingdom	+235
Iran	+7,760	South Africa	+195
Italy	+7,344	Indonesia	+184
+234,442		+5,428	
World +341,033		World +8,014	
Top ten 69%		Top ten 68%	



Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

For more information contact us:

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Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

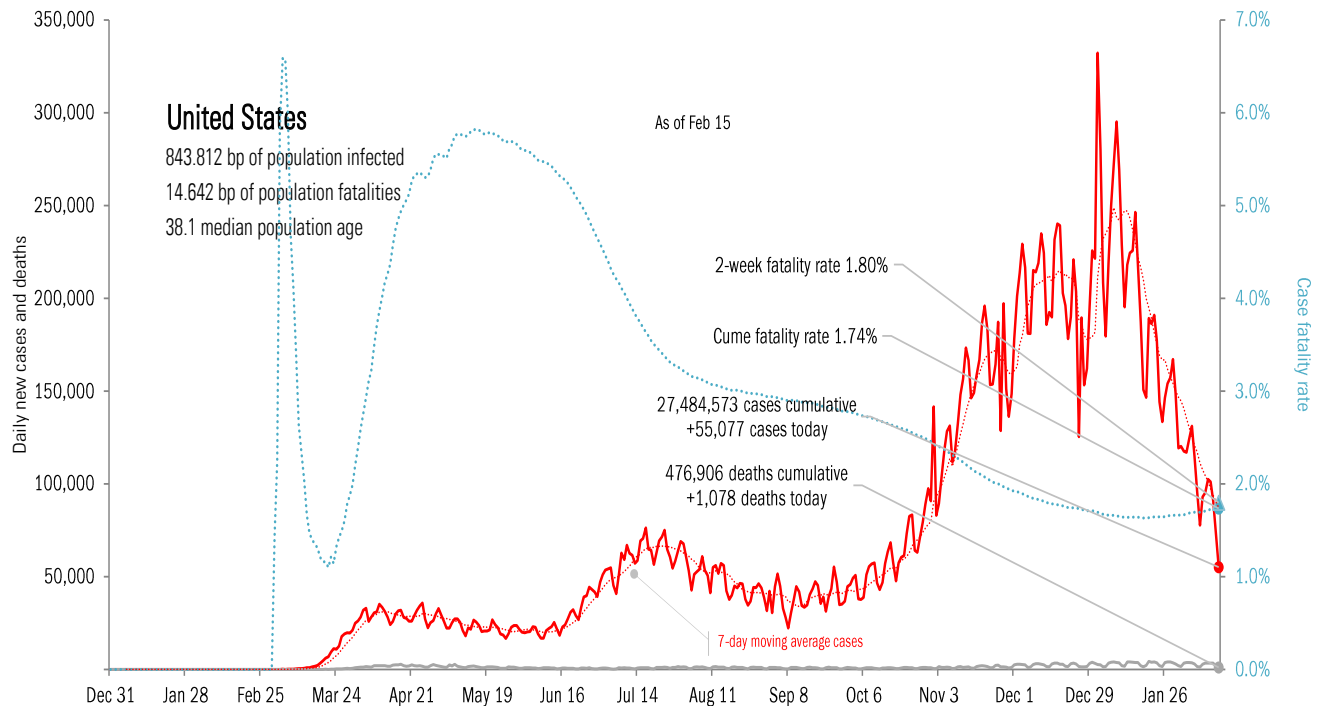
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+6,487		CA	+200		PA	+99		CA	3,406,365		CA	47,043		NY	89,995		R	85%	GA	86%
NY	+6,365		FL	+159		IN	+35		TX	2,563,949		TX	40,593		FL	77,372		CT	80%	CA	84%
TX	+3,889		NY	+103		NY	+30		FL	1,797,728		NY	37,221		NJ	62,454		MA	79%	AL	84%
FL	+3,573		CT	+66		IL	+12		NY	1,536,134		FL	29,434		AZ	55,777		GA	78%	TX	80%
CT	+2,905		TX	+66		WI	+11		IL	1,163,574		PA	23,119		GA	53,403		FL	77%	RI	80%
NC	+2,458		GA	+57		FL	+4		GA	966,807		NJ	22,466		CH	48,635		CA	76%	FL	80%
GA	+2,070		CH	+48		ND	+4		CH	941,265		IL	22,166		AL	44,342		MD	76%	MS	79%
PA	+1,945		IL	+45		IA	+2		PA	896,860		CH	16,394		IN	41,646		SC	76%	DC	79%
CH	+1,915		KS	+42		AK	+0		NC	824,352		MI	16,130		MD	33,903		PA	76%	OK	79%
SC	+1,725		SC	+36		AS	+0		AZ	798,608		GA	15,928		WI	25,340		DC	75%	NC	78%
+33,332			+822			+197			14,895,642			270,494			532,867						
All states	+55,077			+1,078			-1568		All states	27,484,573			476,906			843,292		All states	70%		71%
Top ten	61%			76%			-13%		Top ten	54%			57%			63%		Median	68%		68%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-3,044	CA	-46,643	NV	-72	NC	+35,002
SC	-2,428	TX	-40,461	KS	-69	TX	+29,131
CA	-2,355	PA	-23,073	MI	-67	CH	+3,107
NY	-1,951	IL	-22,076	CT	-56	NM	+1,555
FL	-1,755	MI	-16,108	MS	-49	AR	+1,502

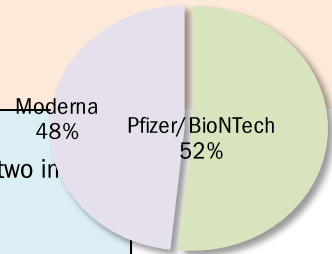


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
70.06 million doses distributed	+0.17 million/day
52.88 million doses administered	+2.24 million/day
38.29 million persons with one shot	+1.24 million/day
14.08 million persons with two shots	+1.00 million/day
5.82 million shots long-term care residents/staff	+0.16 million/day

75.5% of distributed doses administered
11.5% of US pop 1 shot **4.2% 2 shots**
100% of LTC 1 shot **36.5% 2 shots**



At today's dosing pace,
every American will have two in
269 days
by Nov 11, 2021
US will achieve herd immunity in
128 days
by Jun 22, 2021

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

AK
37.1%
17.3%
7.8%

ME
22.3%
10.5%
3.7%

WI
18.6%
12.2%
4.0%

VT
22.1%
11.7%
5.4%

NH
22.9%
10.8%
4.5%

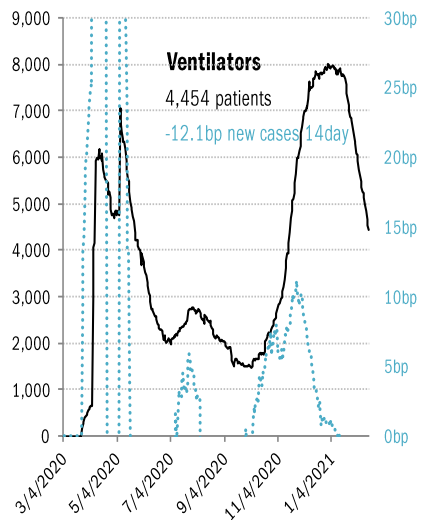
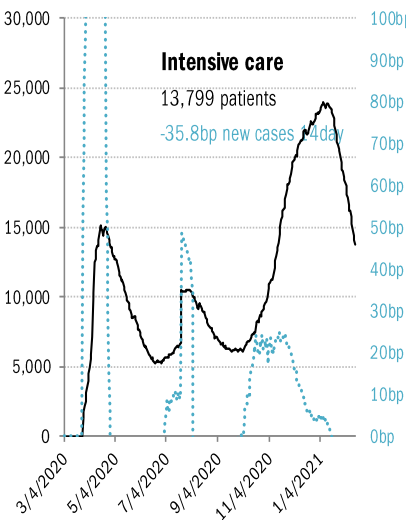
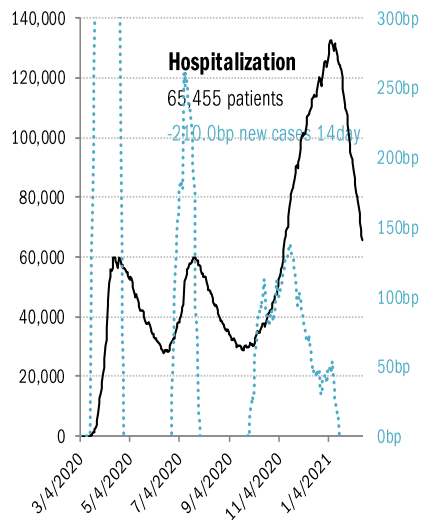
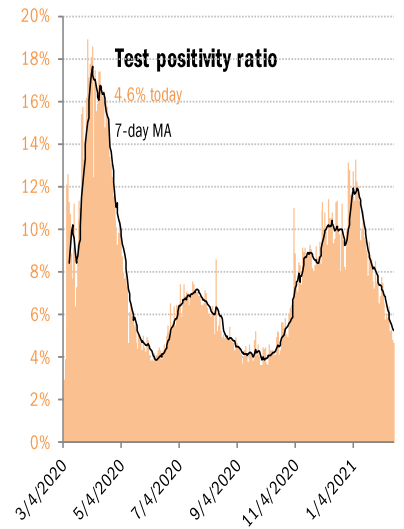
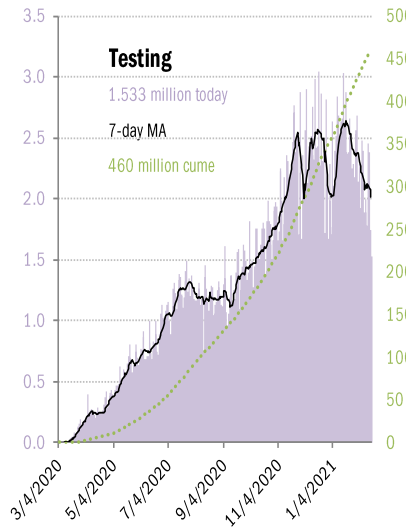
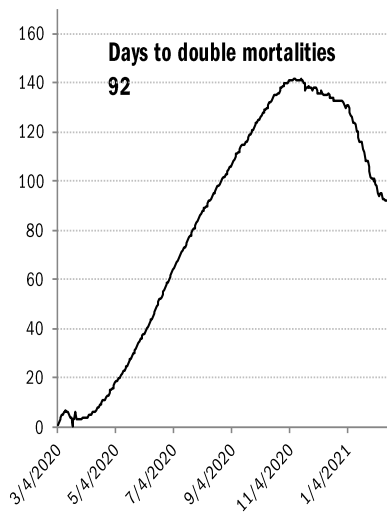
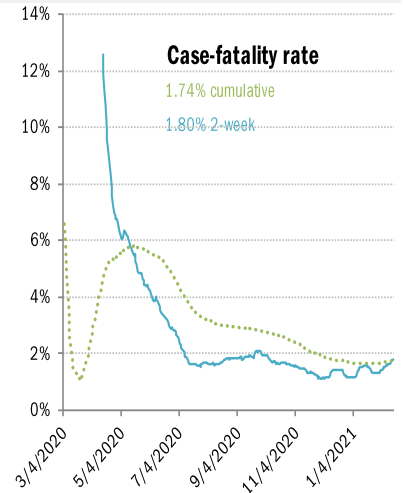
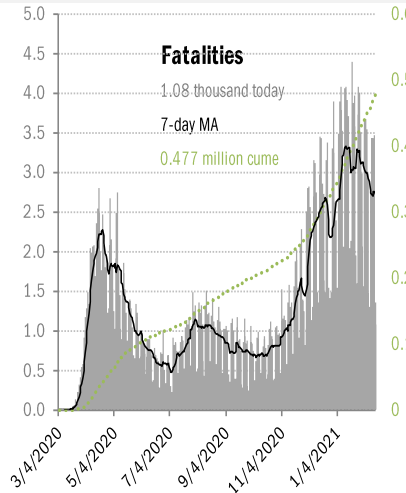
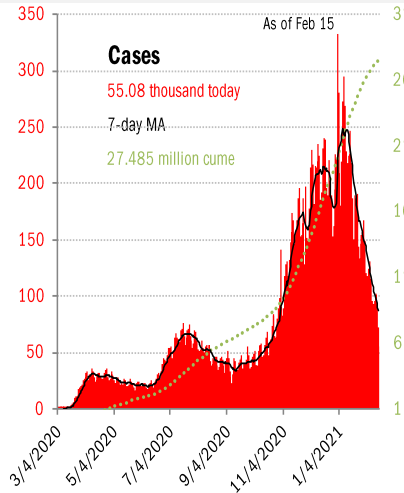
WA 18.9% 11.4% 3.7%	ID 18.4% 9.8% 3.2%	MT 18.7% 11.9% 4.6%	ND 20.4% 13.0% 6.2%	MN 20.1% 11.4% 4.0%	IL 20.3% 11.2% 3.2%	MI 19.2% 11.0% 4.9%	NY 20.4% 10.3% 4.3%	MA 21.8% 11.9% 3.8%	VT 22.1% 11.7% 5.4%	NH 22.9% 10.8% 4.5%
OR 20.0% 11.3% 4.6%	NV 17.4% 10.6% 3.2%	WY 21.1% 12.4% 4.7%	SD 20.6% 12.4% 5.7%	IA 18.9% 10.6% 3.7%	IN 20.6% 11.4% 4.3%	OH 19.8% 10.6% 3.8%	PA 21.0% 10.6% 3.5%	NJ 20.0% 11.2% 4.0%	CT 24.0% 13.3% 5.4%	RI 21.6% 9.2% 4.1%
CA 20.4% 11.4% 3.3%	UT 18.1% 9.6% 3.3%	CO 21.0% 11.0% 5.1%	NE 21.1% 10.1% 4.6%	MO 18.4% 10.0% 3.7%	KY 20.0% 10.9% 4.2%	WV 22.1% 13.8% 7.7%	VA 18.7% 11.8% 3.8%	MD 19.7% 10.2% 3.8%	DE 19.3% 11.8% 3.2%	
	AZ 19.1% 11.5% 3.4%	NM 20.5% 13.7% 6.1%	KS 20.0% 9.9% 3.4%	AR 20.9% 11.2% 4.3%	TN 19.9% 9.7% 4.4%	NC 19.7% 11.1% 4.3%	SC 17.3% 10.2% 3.3%	DC 27.5% 12.0% 5.2%		
			OK 20.6% 12.1% 5.1%	LA 19.3% 11.2% 5.4%	MS 20.6% 10.5% 3.8%	AL 19.7% 9.7% 2.8%	GA 19.0% 9.7% 3.6%			
			TX 17.6% 10.2% 4.0%					FL 21.0% 11.0% 5.0%		PR 22.1% 8.5% 3.4%

As of Feb 15

Source: [CDC](#), [CDC](#), TrendMacro calculations

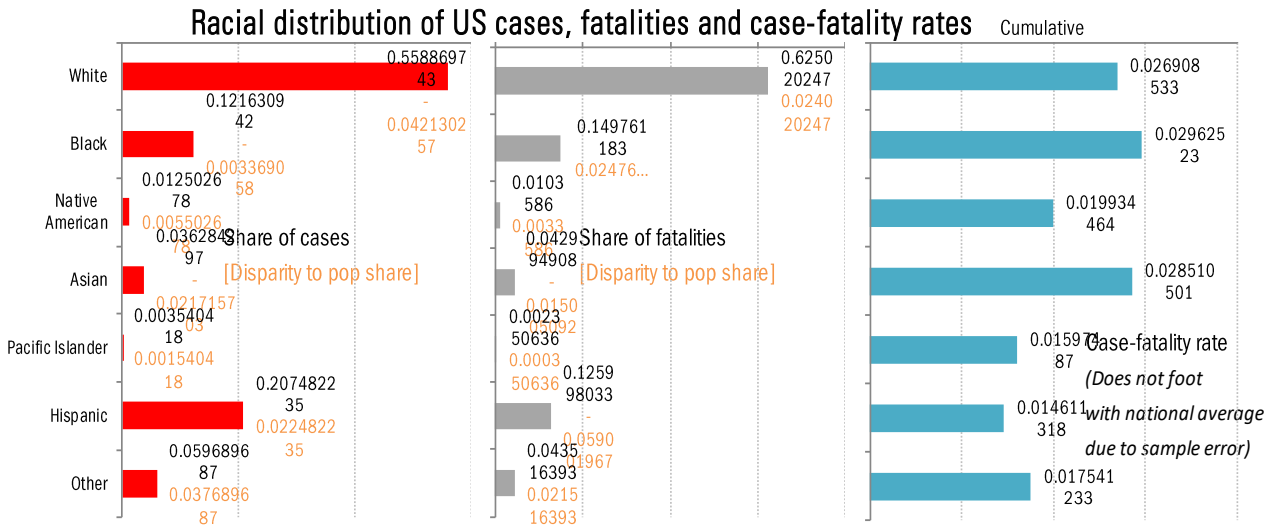
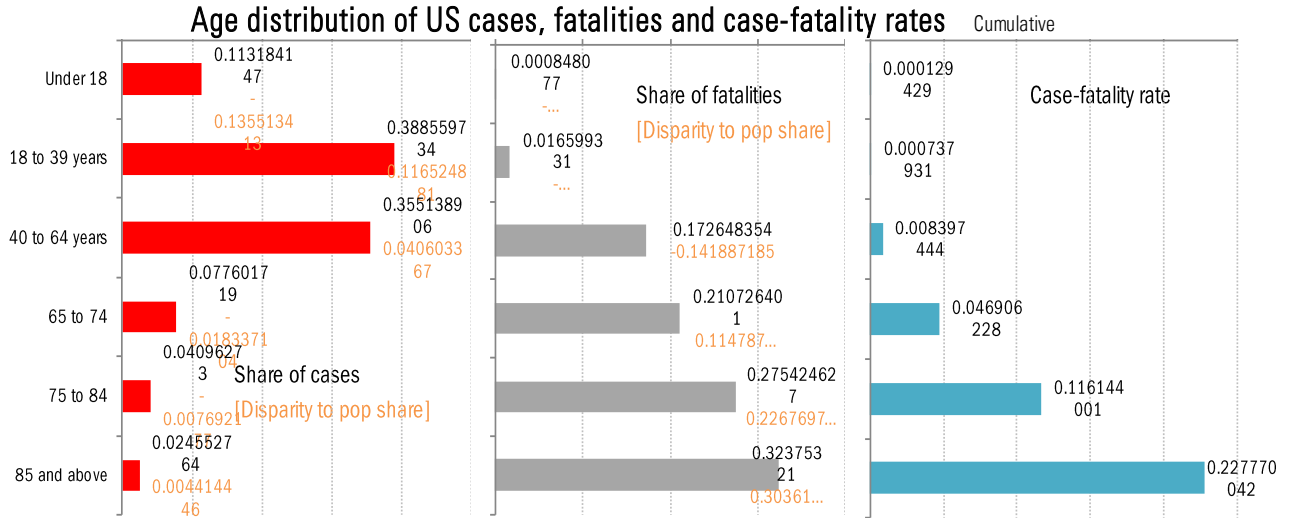
US deep-dive

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

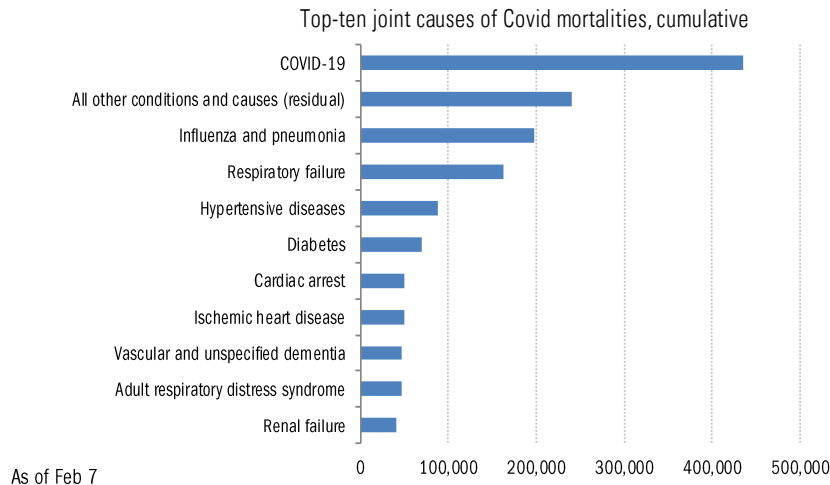


Source: [Covid Tracking Project](#), TrendMacro calculations

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 2.9 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[How Covid ripped through London's Jews](#)

Etan Smallman

UnHerd

February 15, 2021

[Covid: 'No evidence' schools spread lots of coronavirus](#)

BBC

February 15, 2021

[Who Are the Covid Investigators?](#)

Wall Street Journal

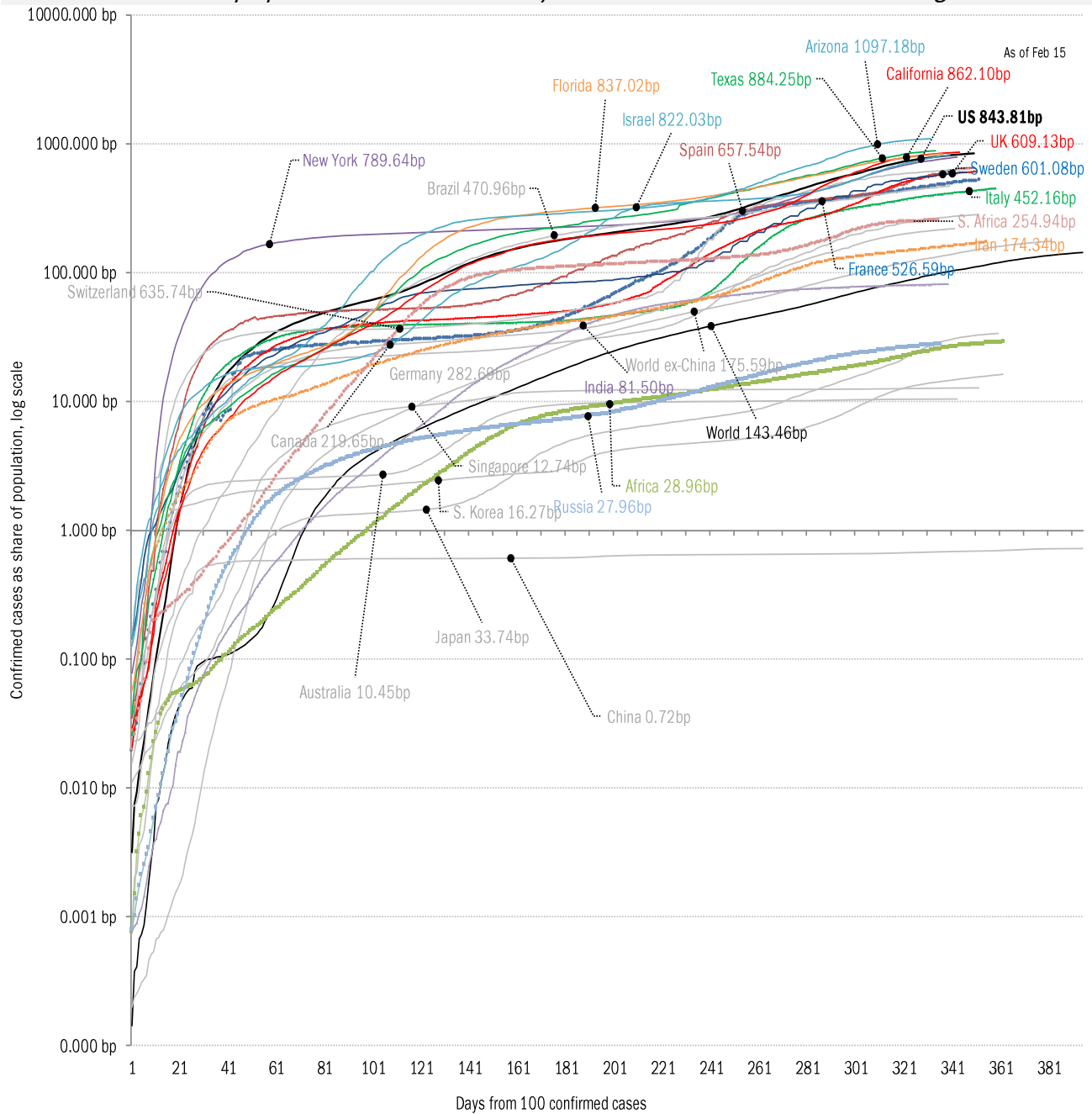
February 15, 2021

Meme of day



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

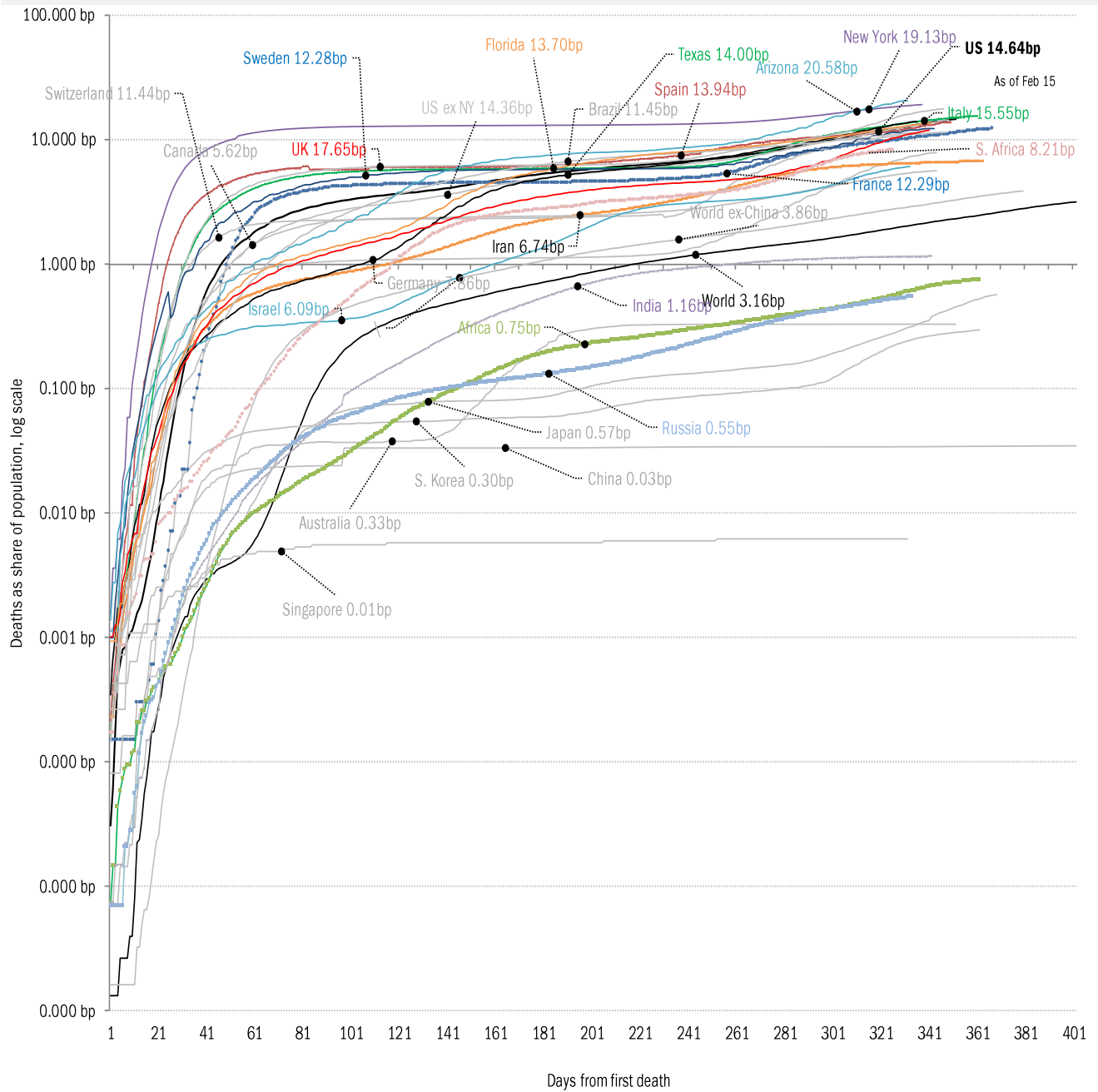
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

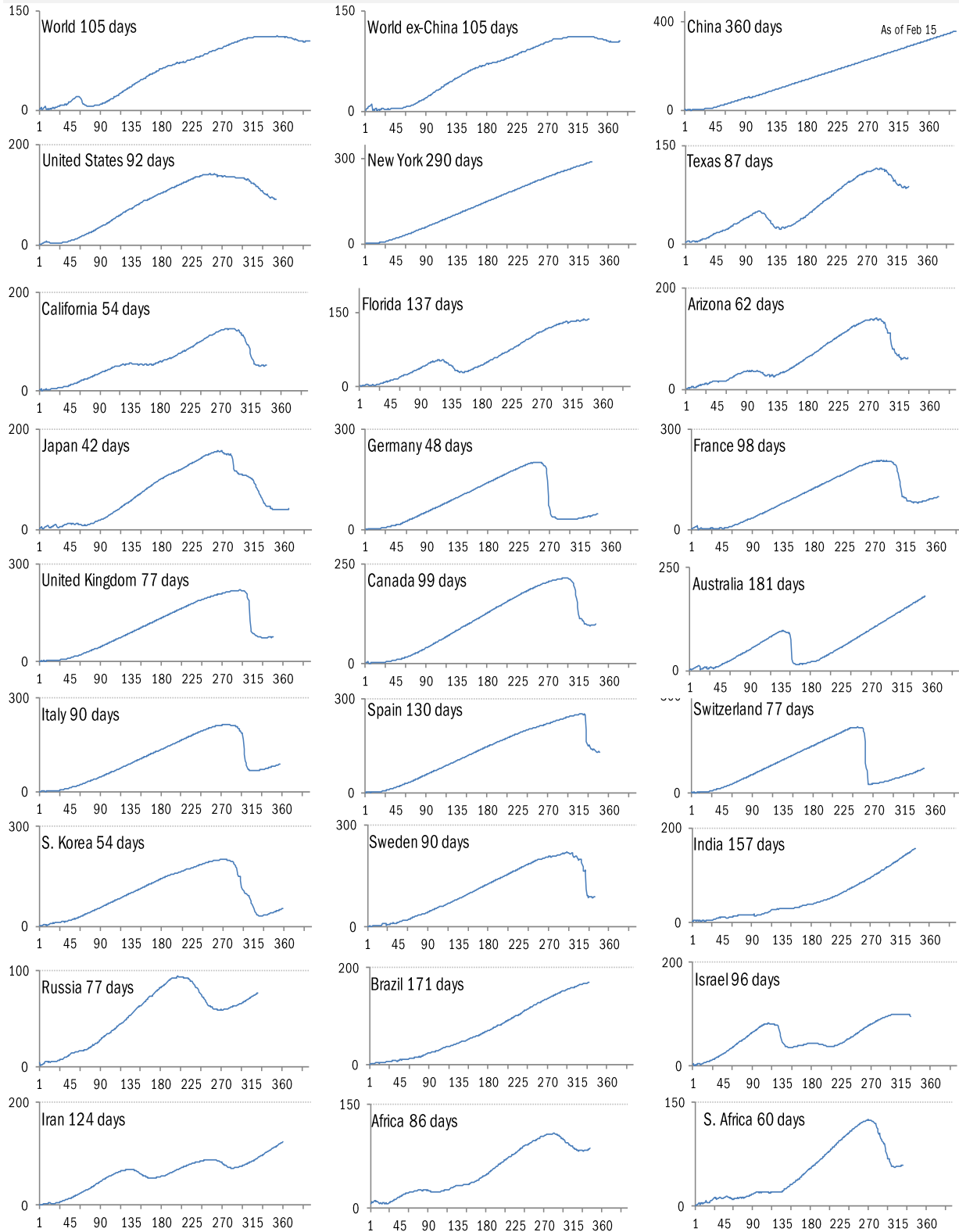


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"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

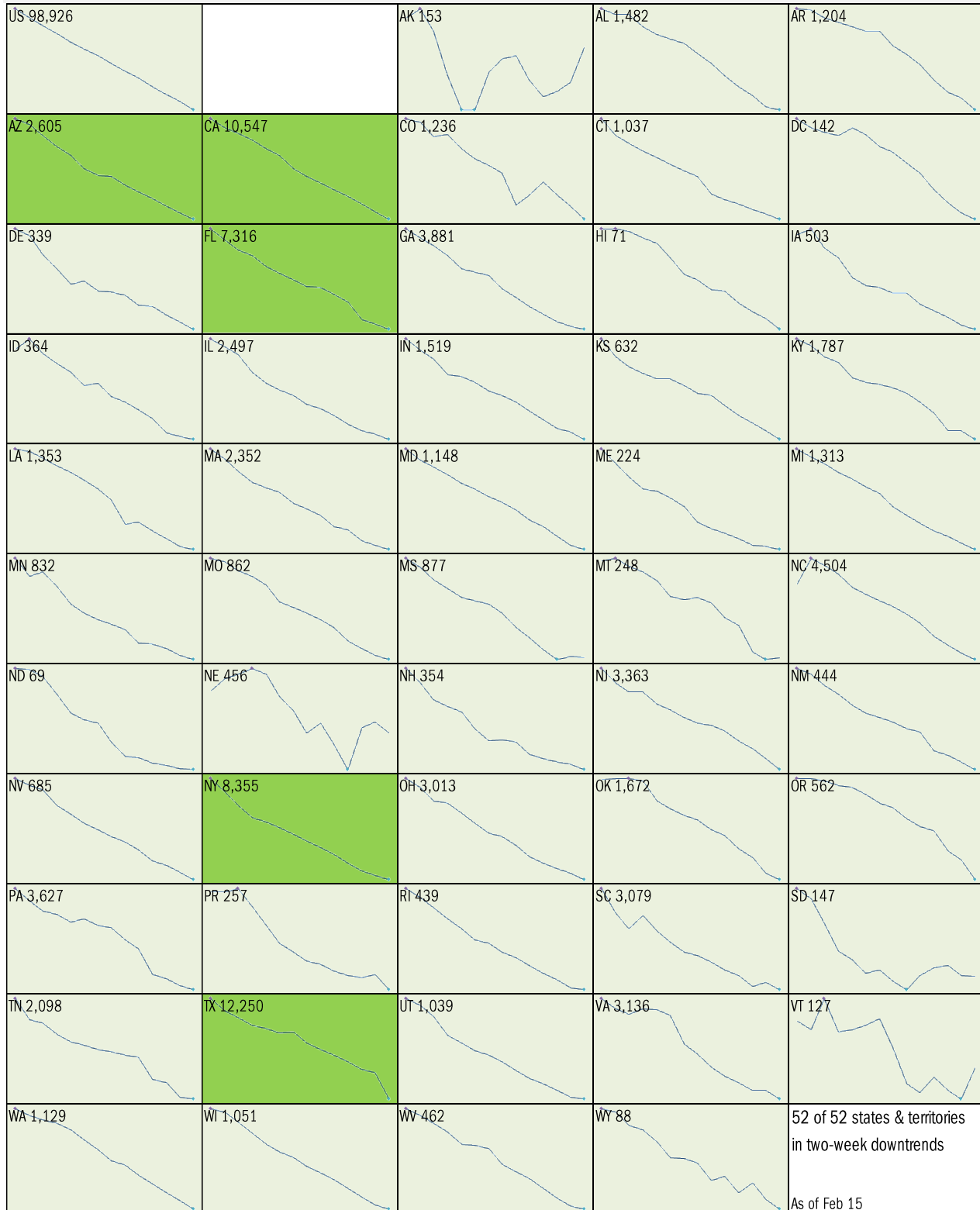


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

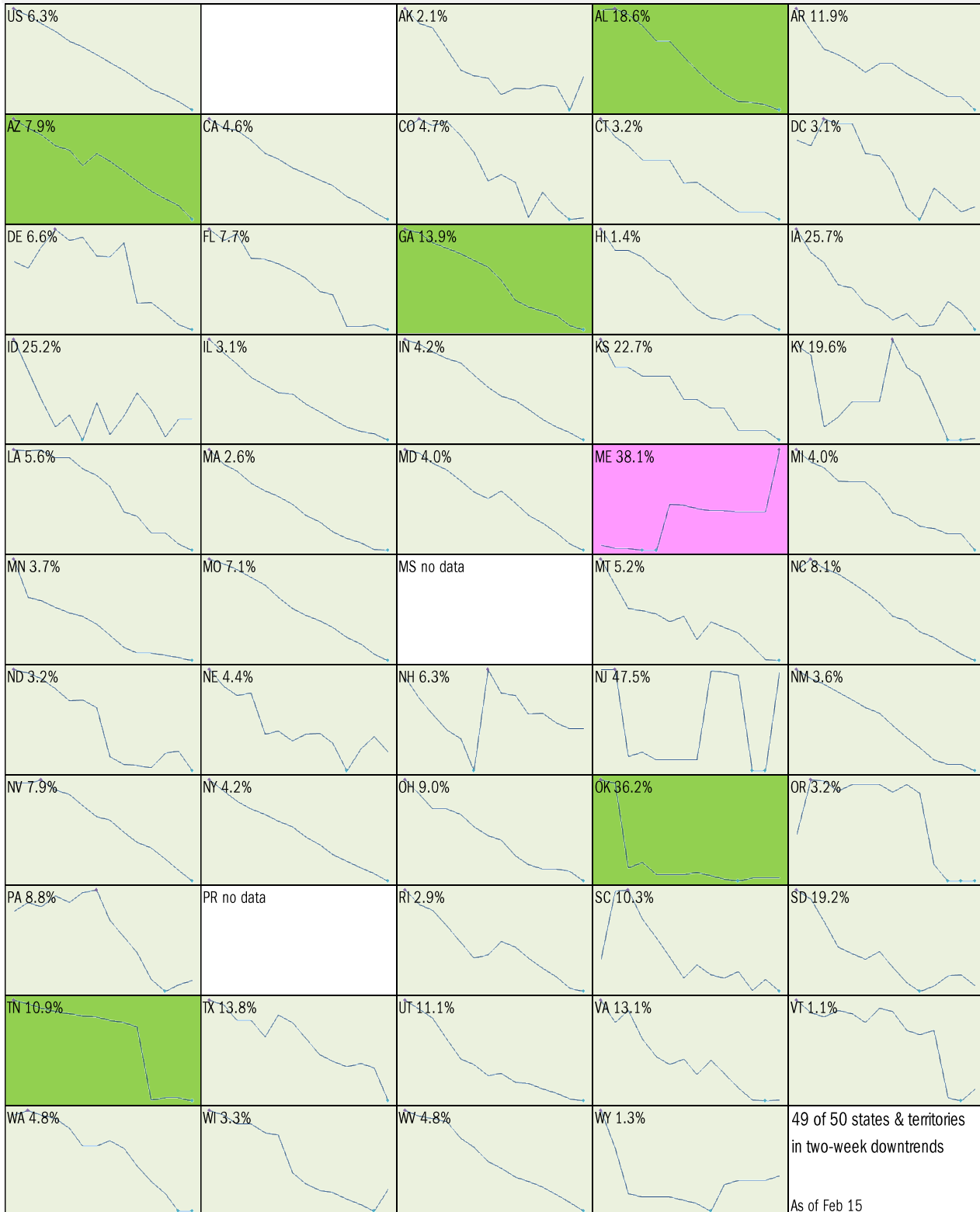


Source: [Covid Tracking Project](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

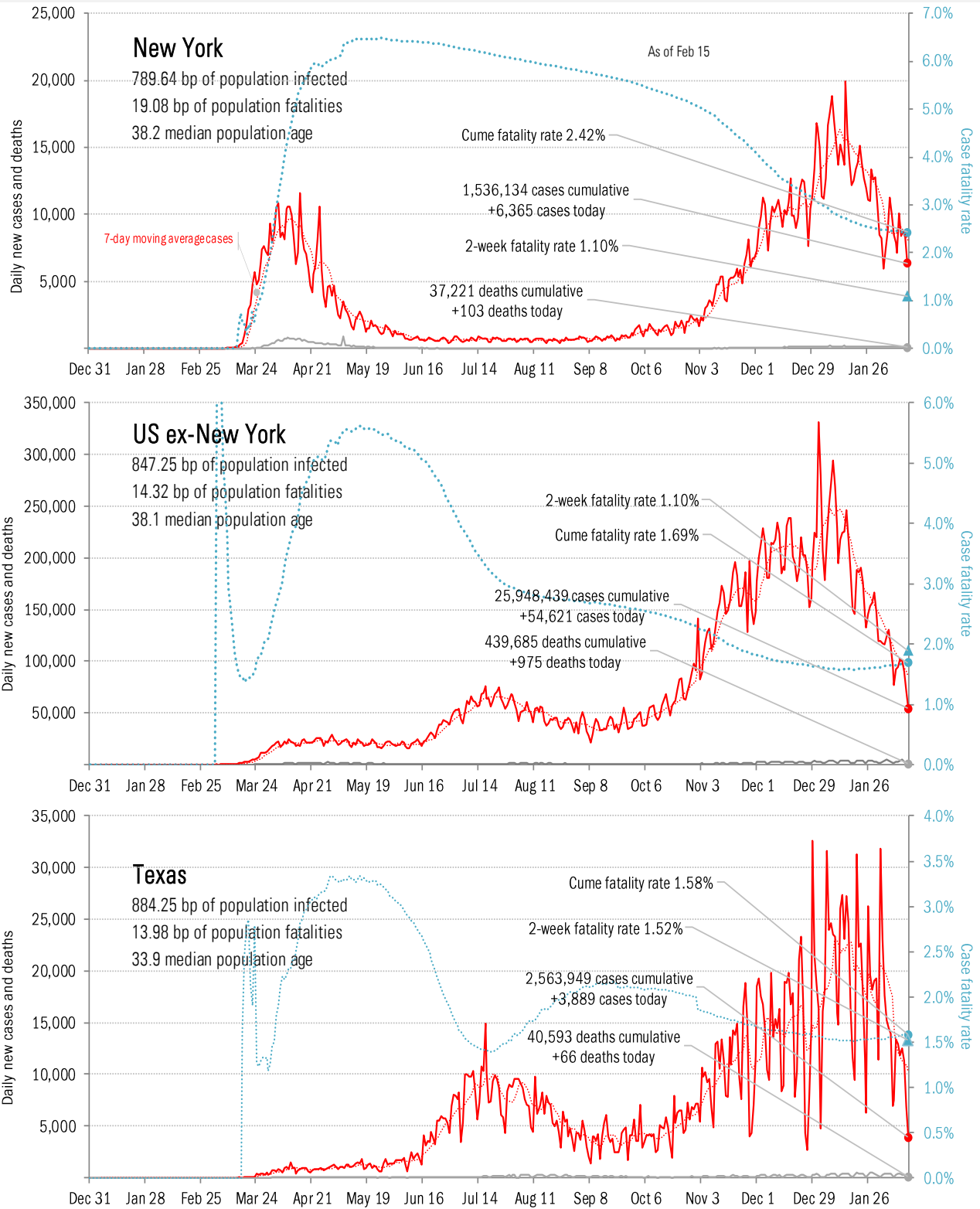
14-day moving average, last 14 days Most recent value displayed ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



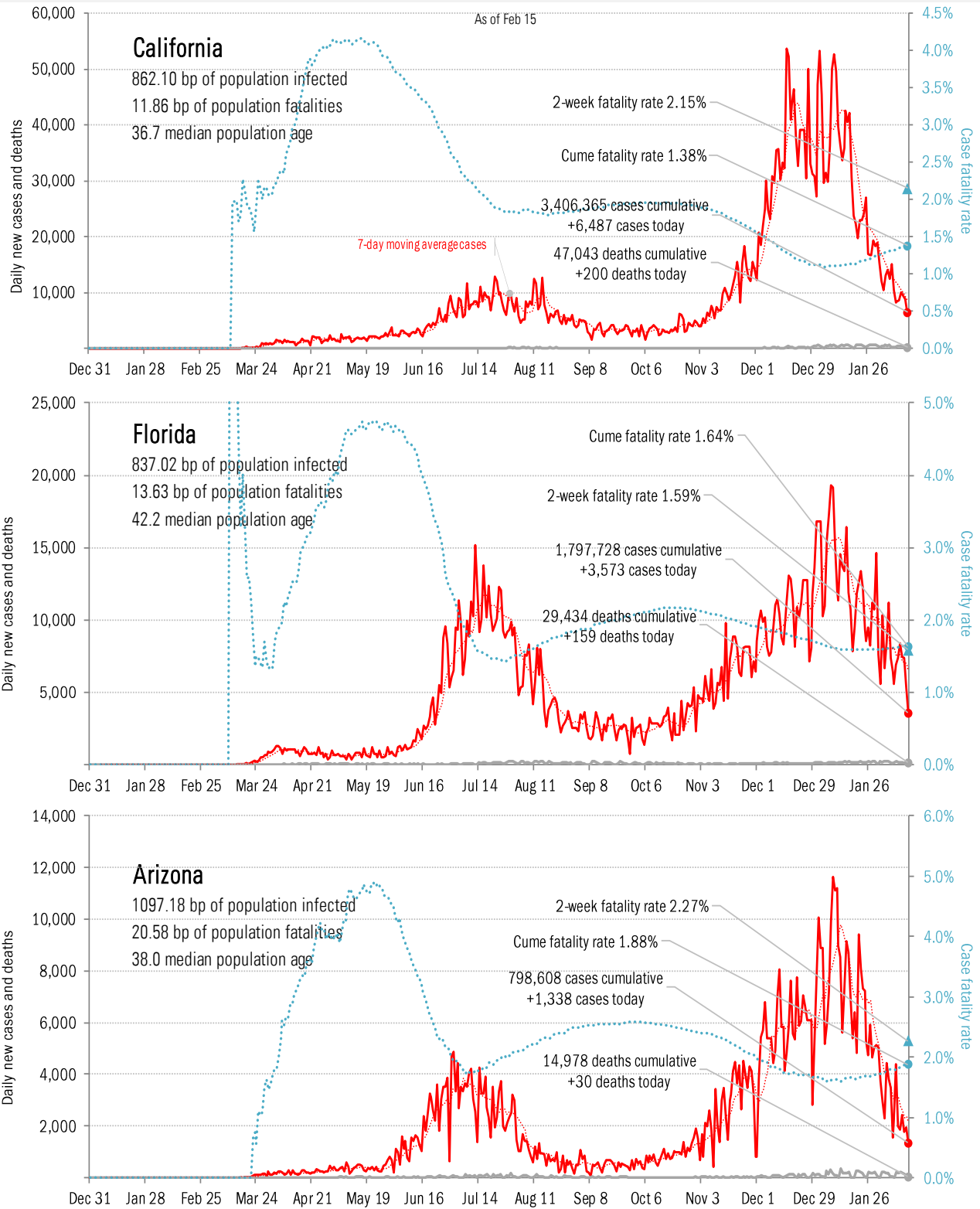
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



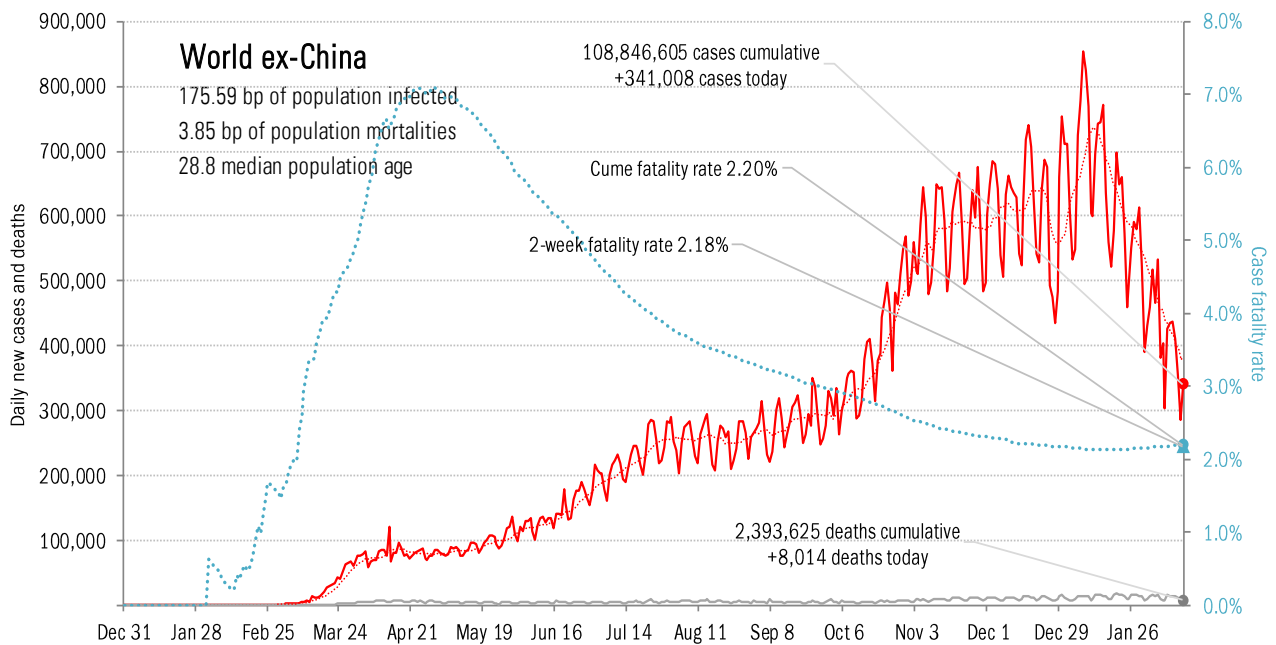
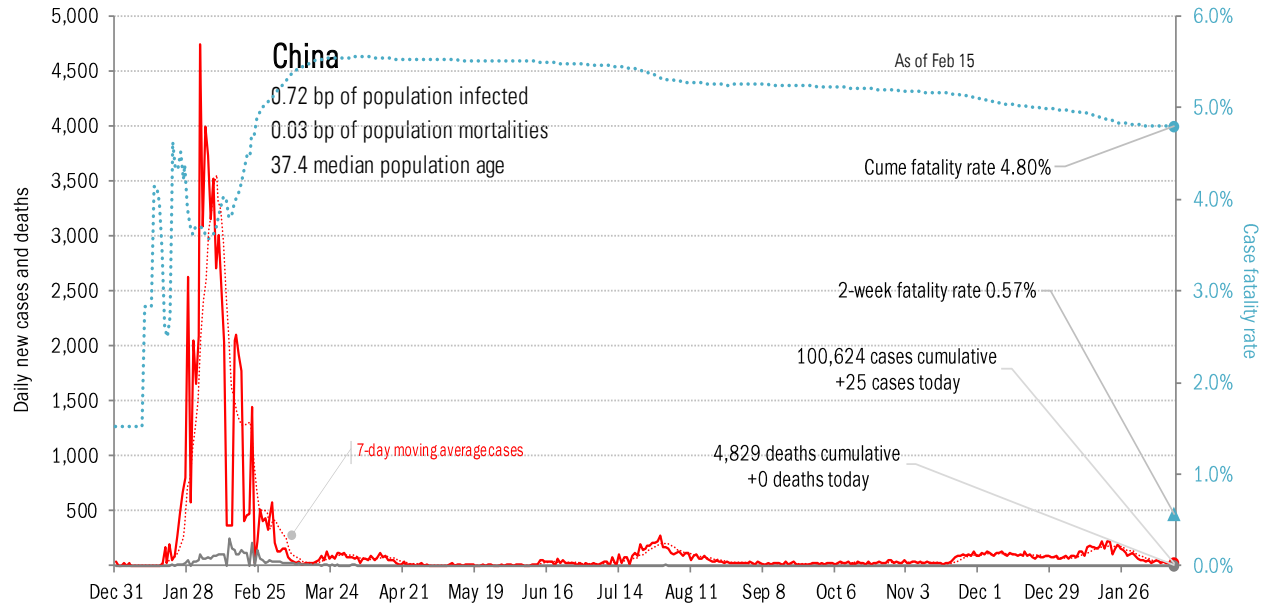
Source: [Covid Tracking Project](#), TrendMacro calculations

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



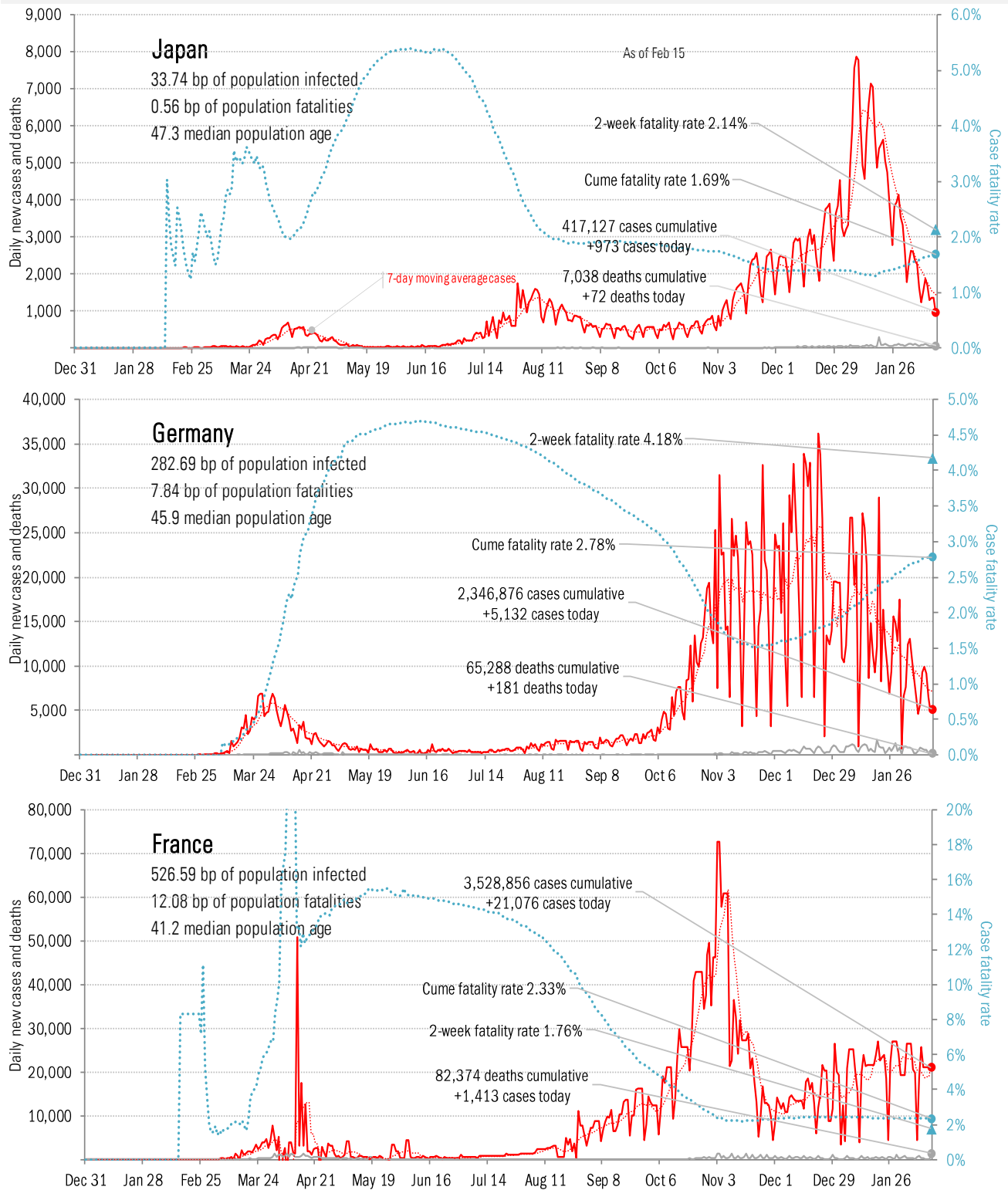
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



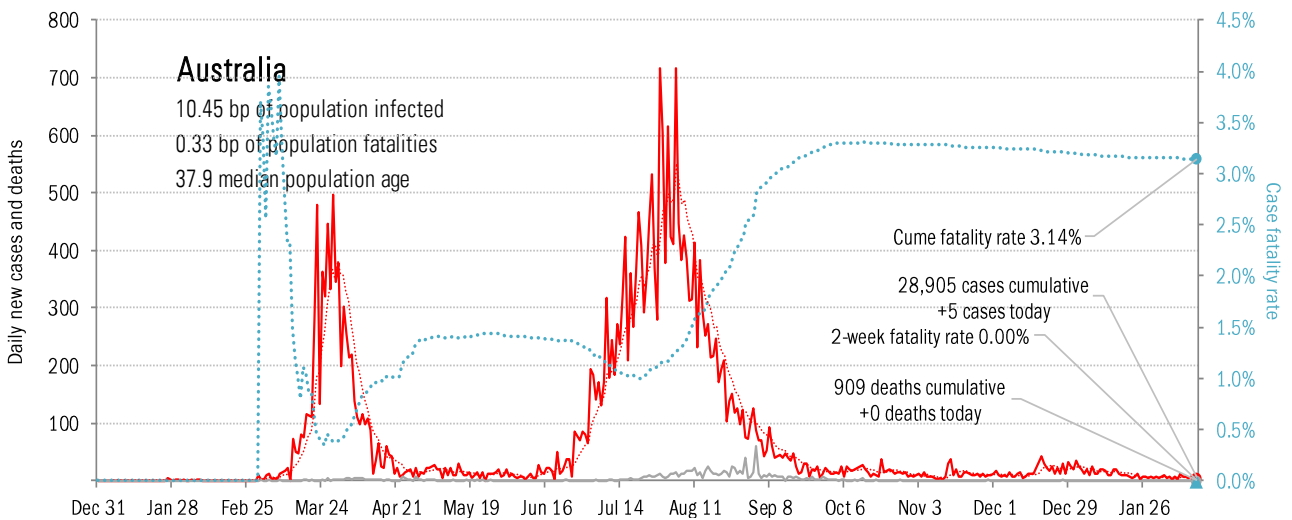
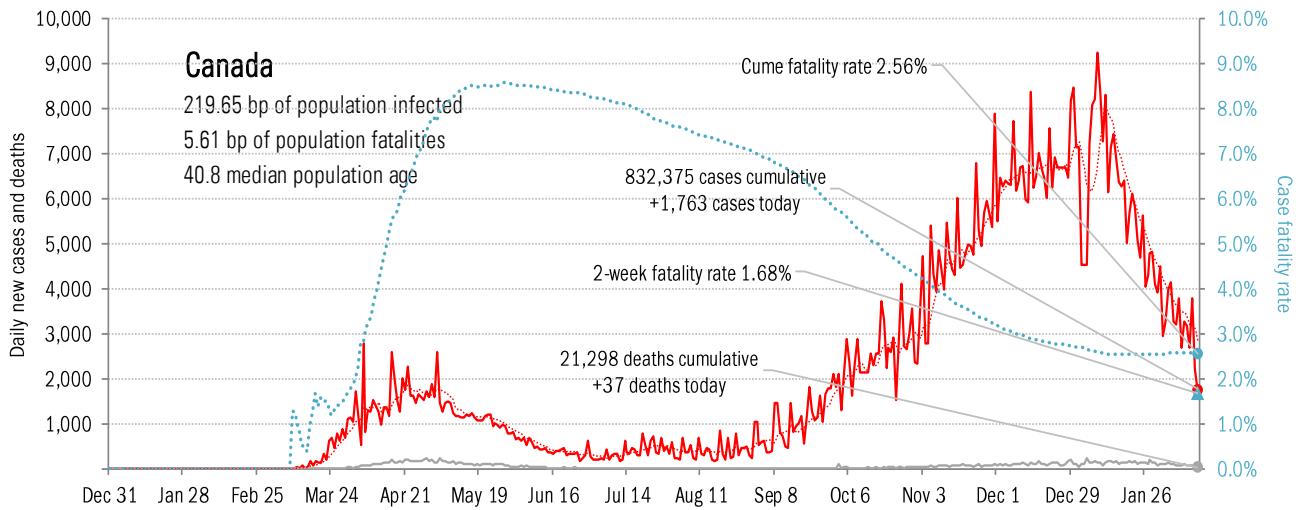
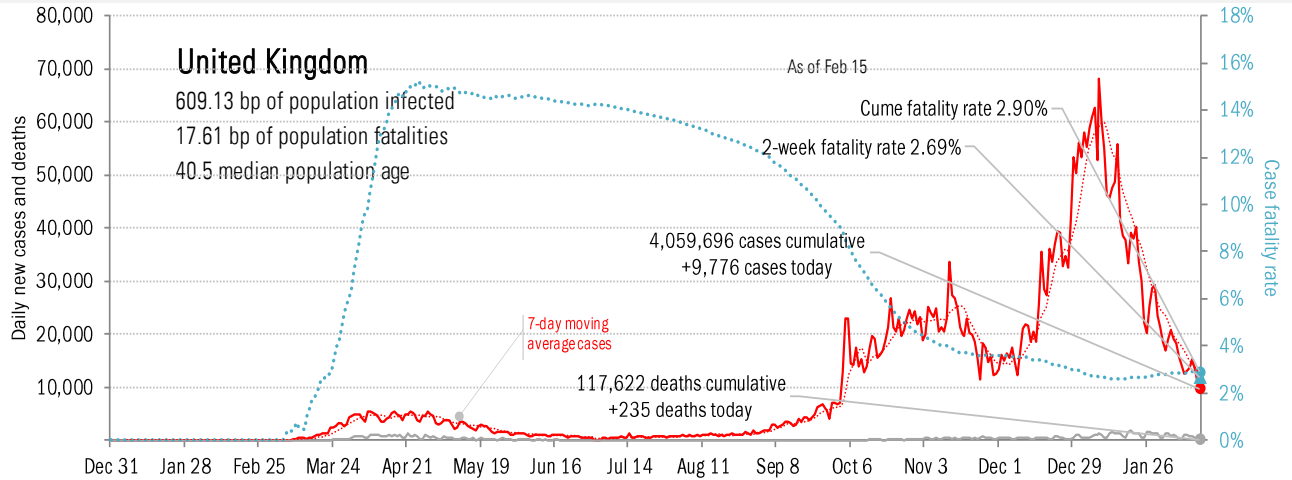
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



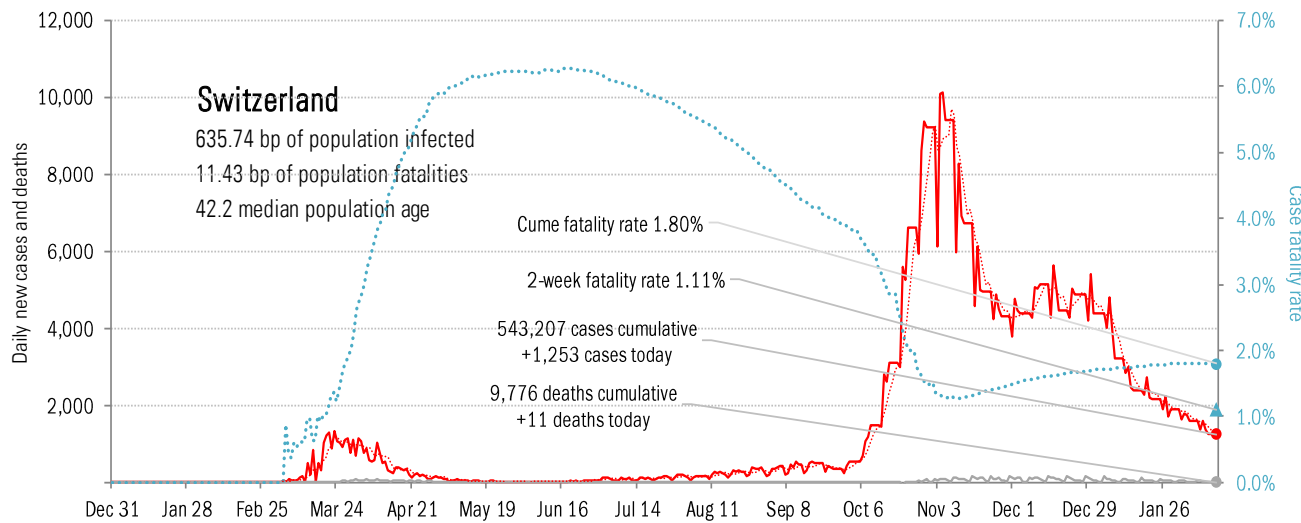
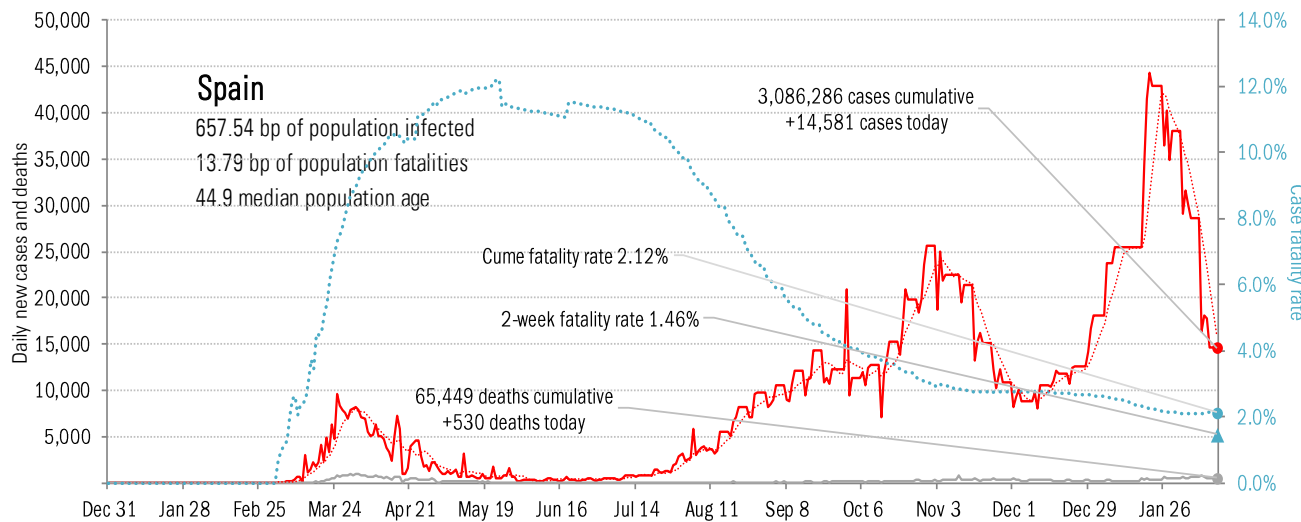
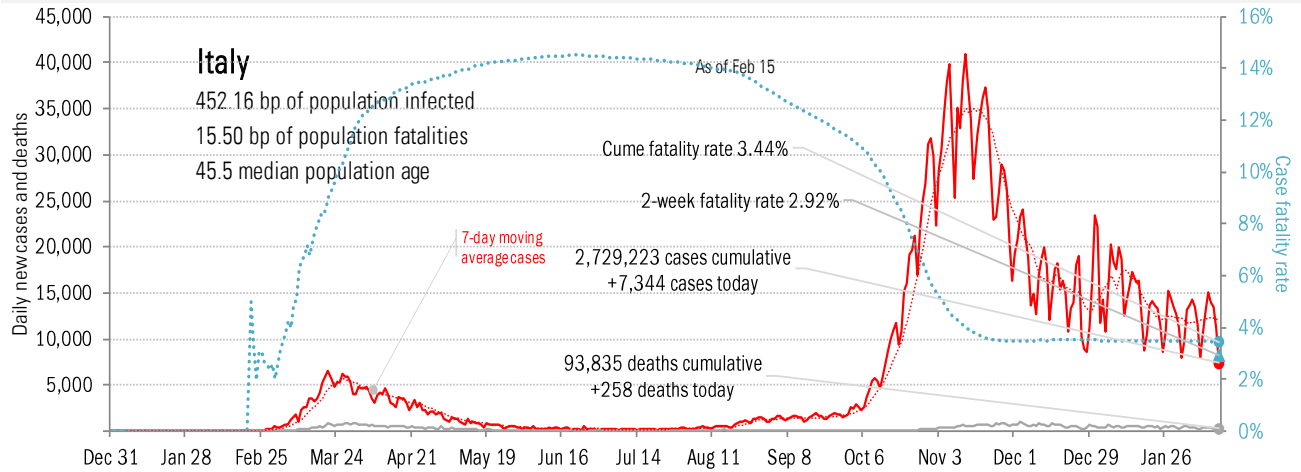
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



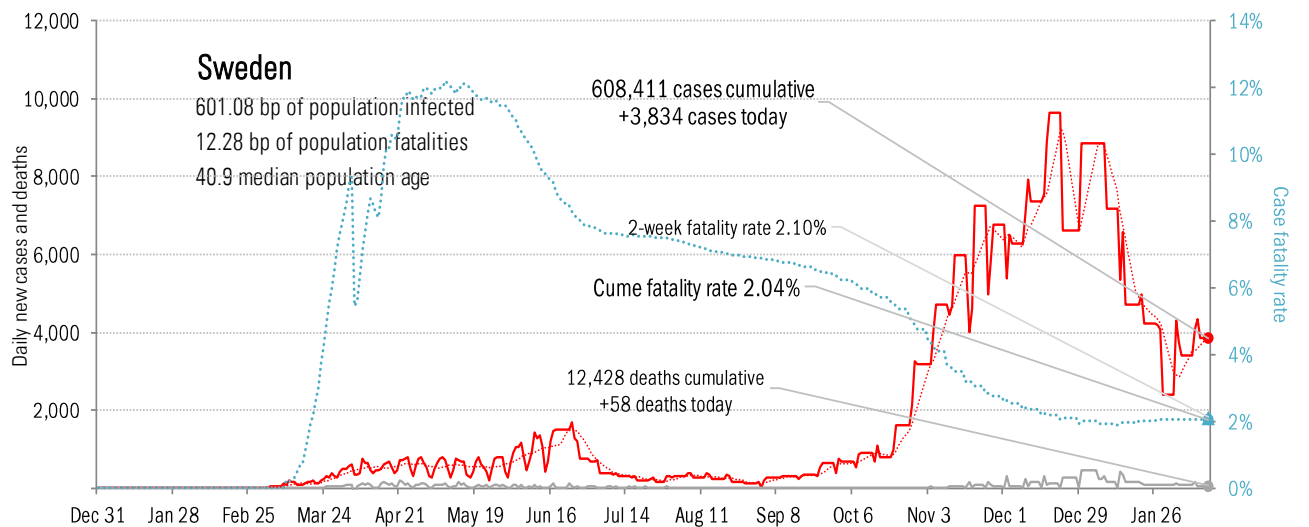
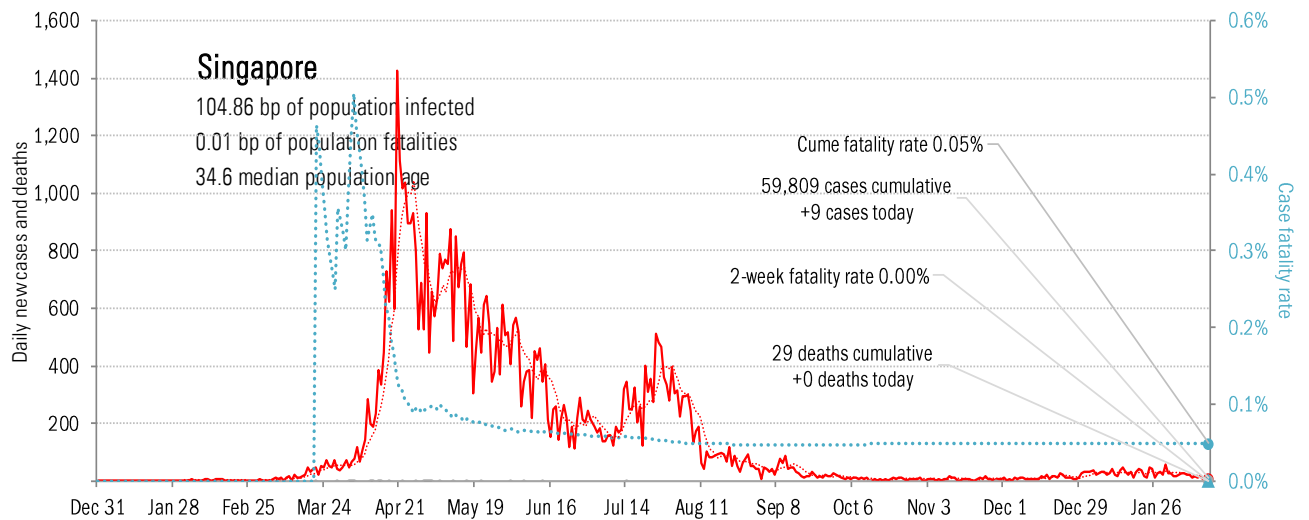
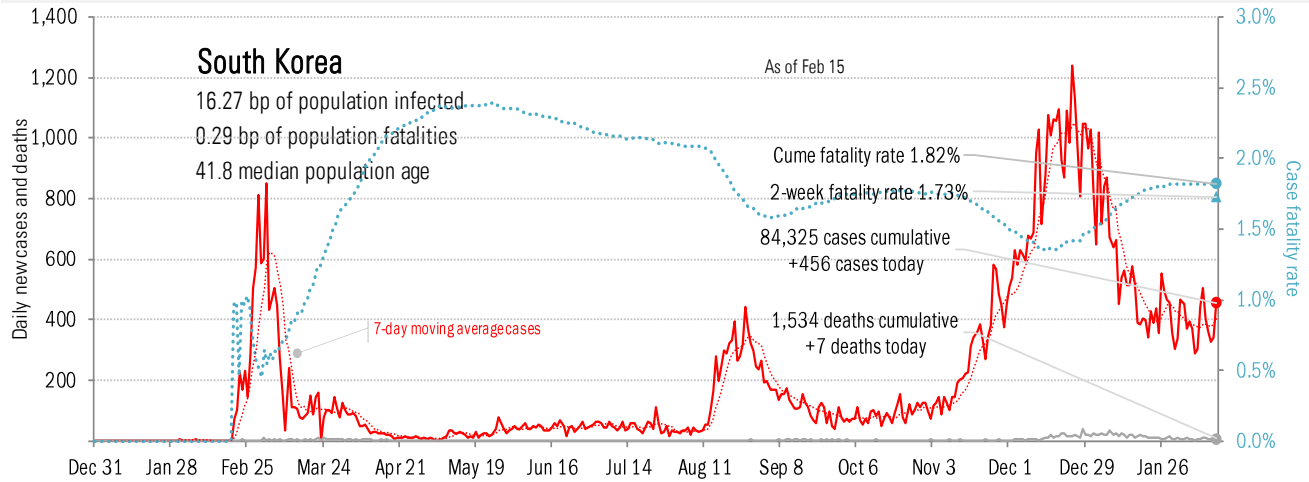
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



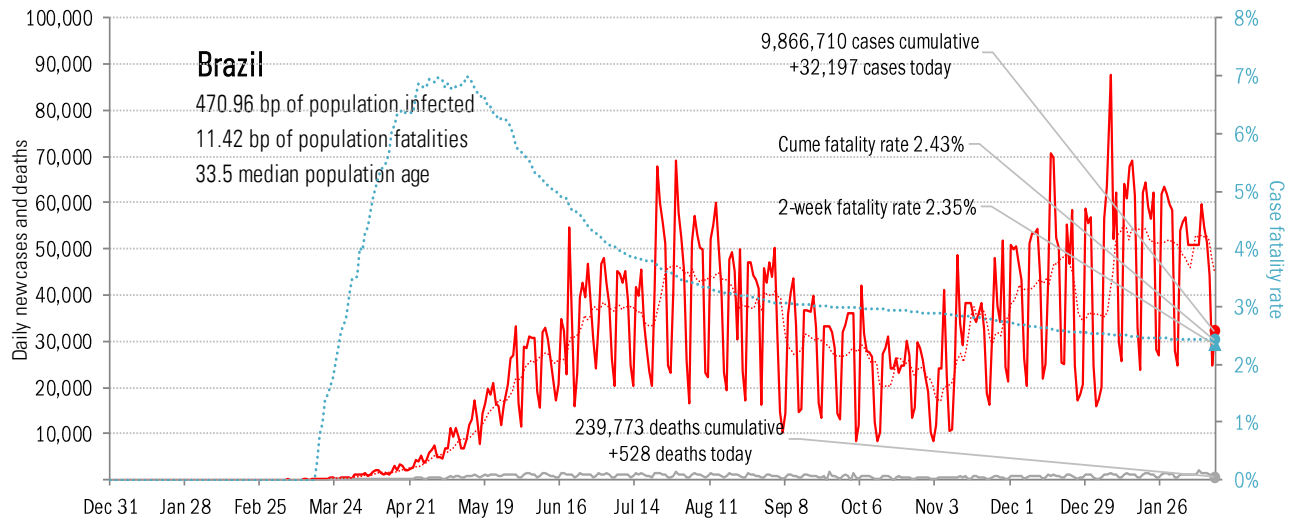
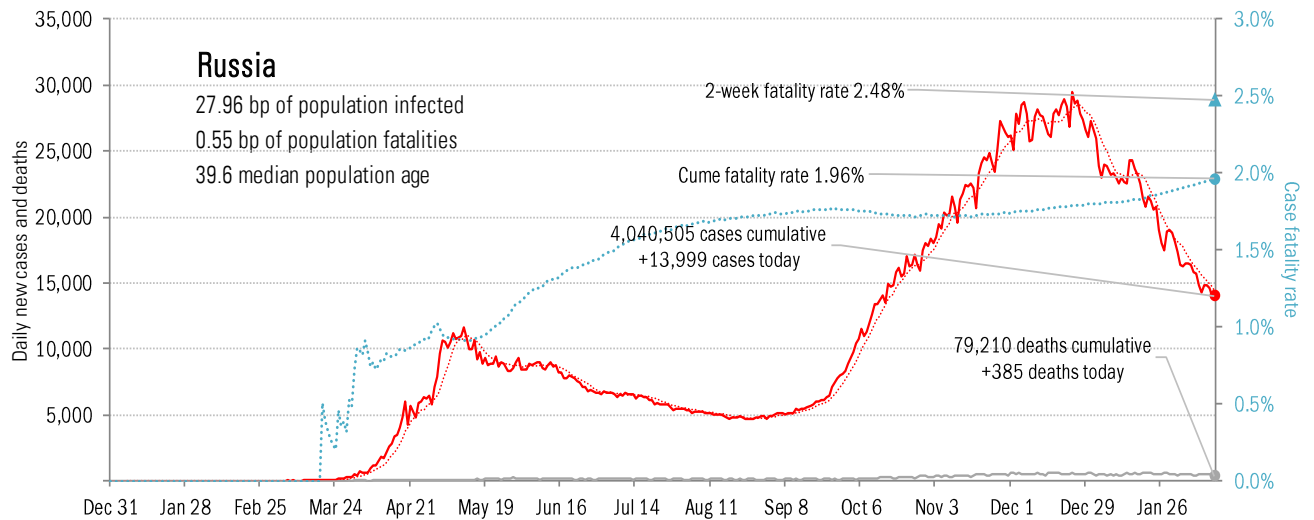
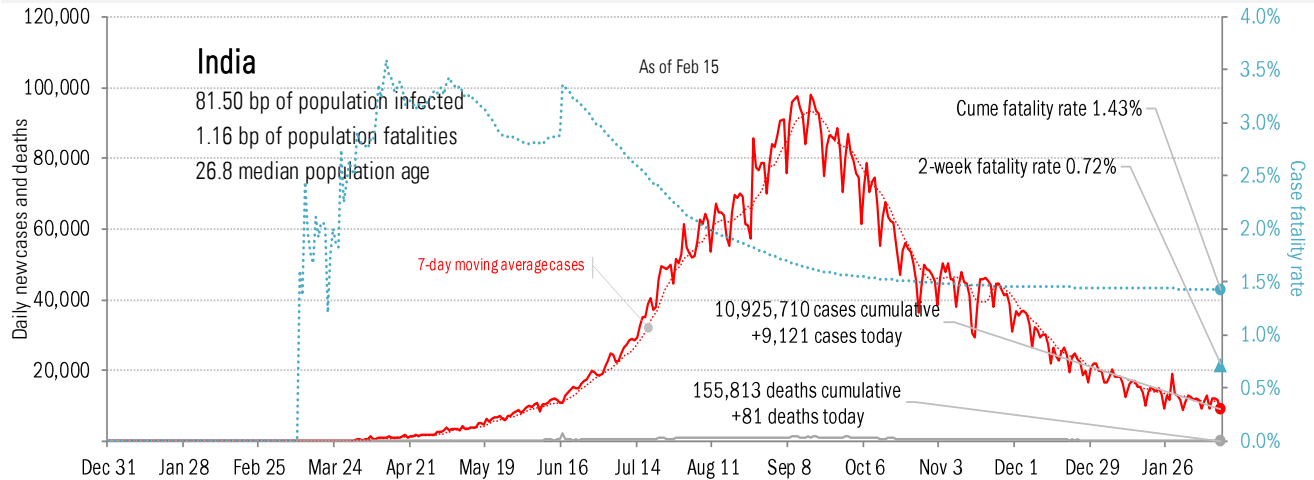
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



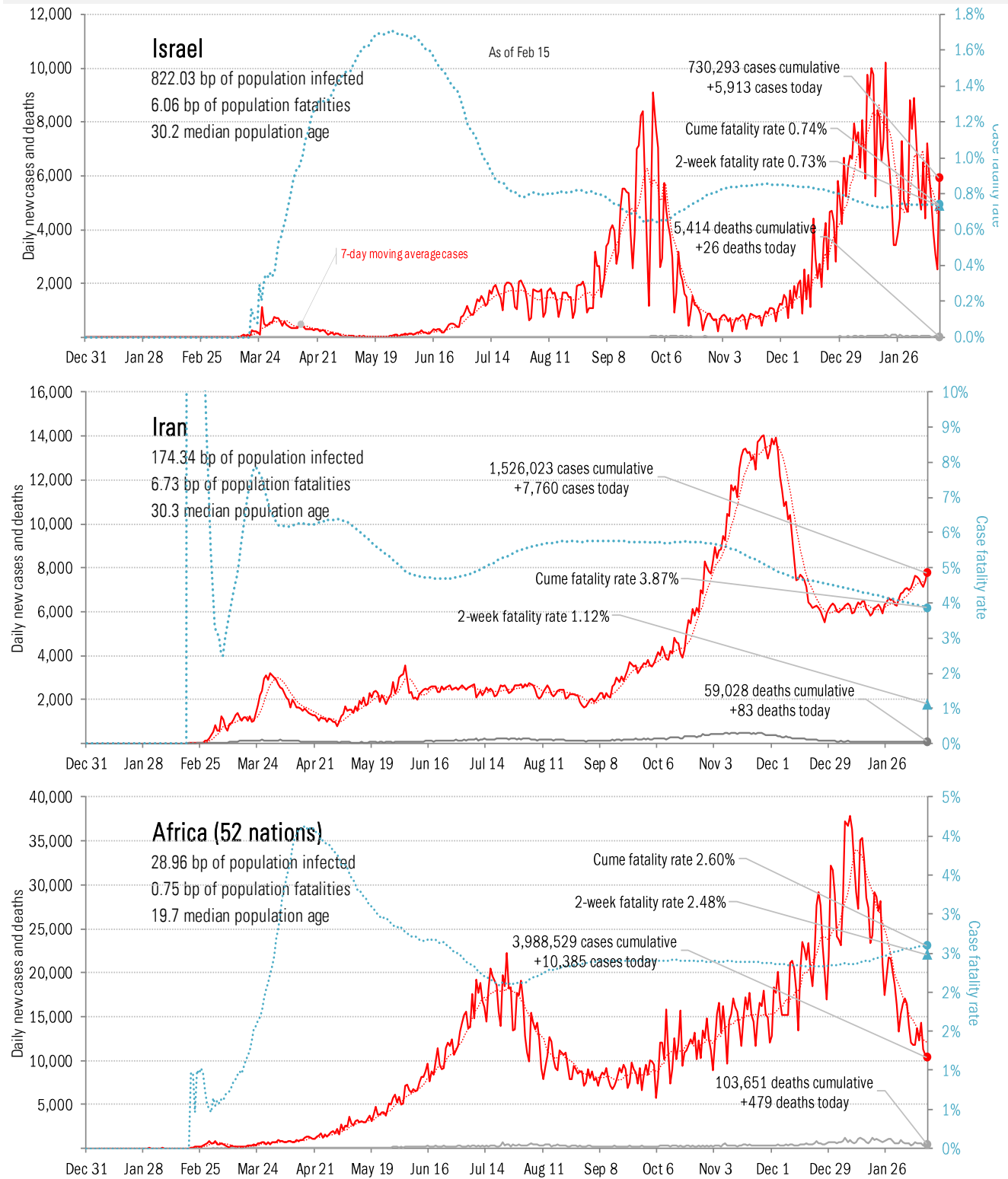
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



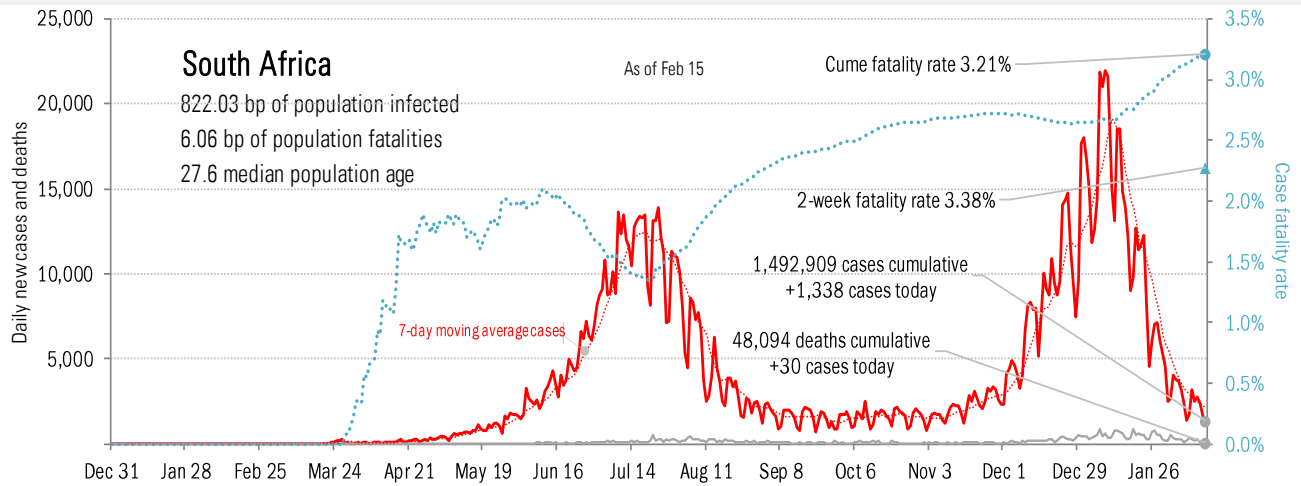
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in Africa, continued



Source: [Johns Hopkins](#), TrendMacro calculations