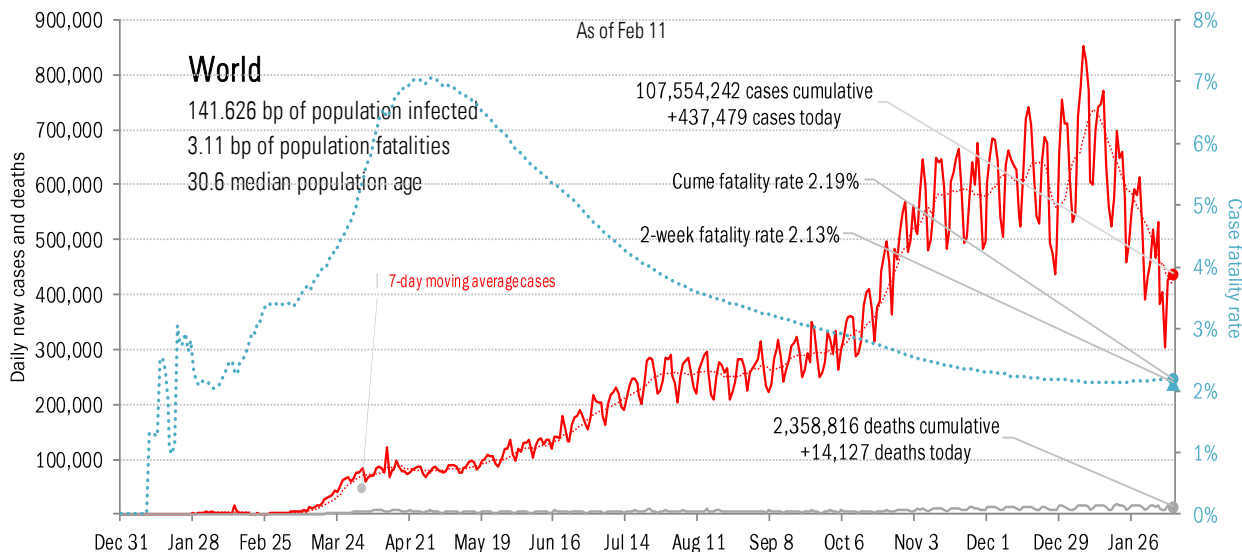
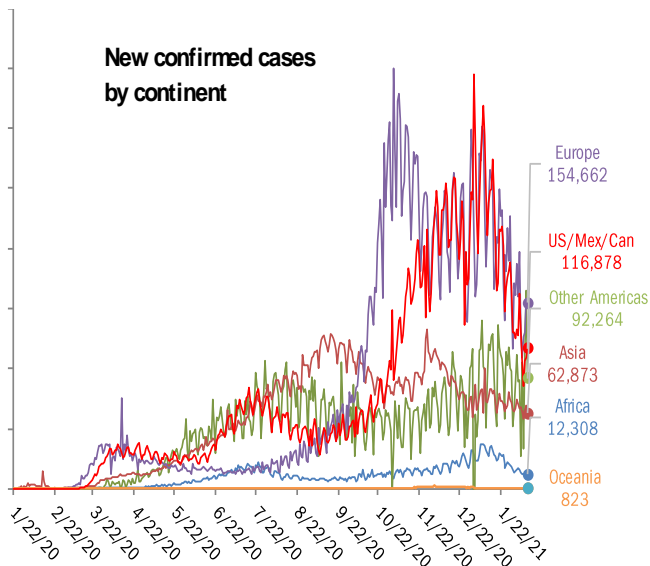


Data Insights: Covid-2019 Monitor

Friday, February 12, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+ 103,024	United States	+ 3,885
Brazil	+ 54,742	Mexico	+ 1,474
France	+ 21,076	Brazil	+ 1,351
Spain	+ 17,853	United Kingdom	+ 680
Italy	+ 15,137	Germany	+ 552
Russia	+ 14,803	Russia	+ 542
United Kingdom	+ 13,543	Spain	+ 513
Mexico	+ 10,677	Poland	+ 456
Germany	+ 9,928	Peru	+ 419
Czechia	+ 9,537	Italy	+ 391
+ 270,320		+ 10,263	
World + 437,479		World + 14,127	
Top ten 62%		Top ten 73%	



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

The US scorecard

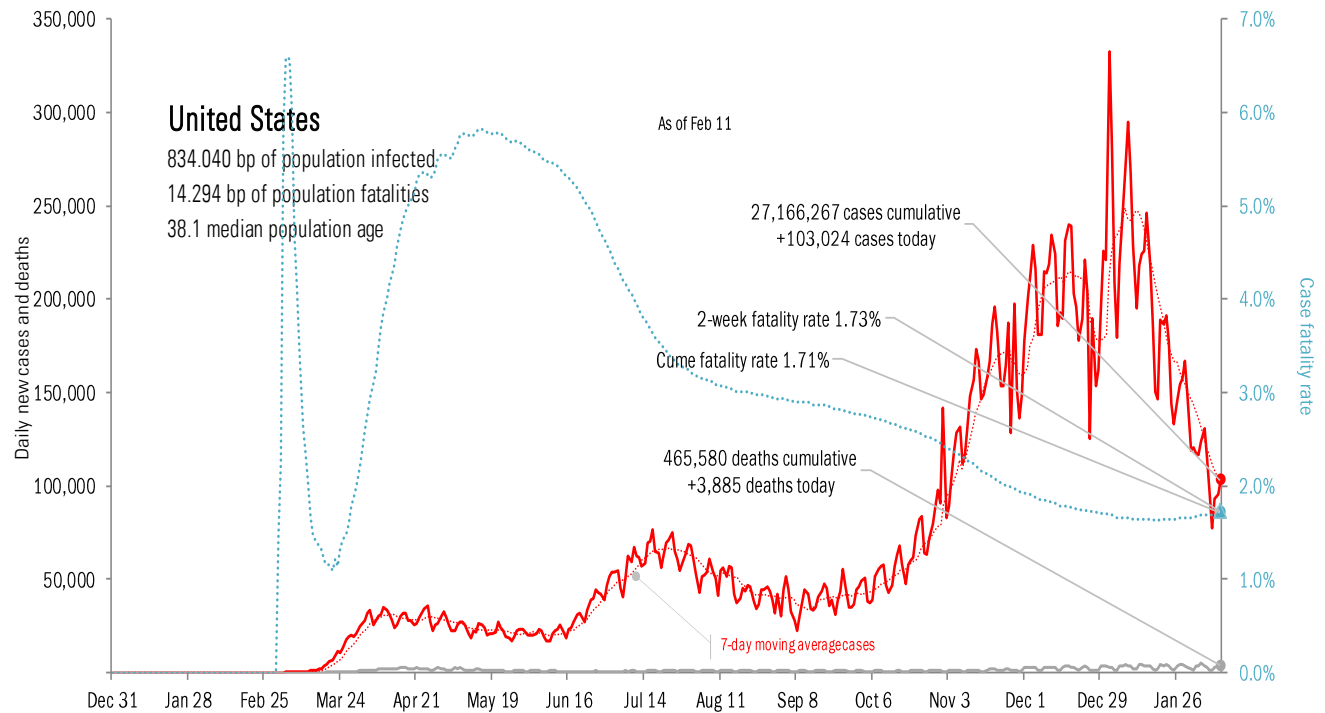
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	+11,890		CH	+721		PR	+10		CA	3,371,556		CA	45,456		NY	89,995		RI	102%	GA	88%
NY	+10,099		CA	+461		ND	+5		TX	2,529,343		TX	39,771		FL	76,587		GA	83%	AL	88%
CA	+8,575		TX	+385		MN	+3		FL	1,774,013		NY	36,743		NJ	62,108		CT	81%	DC	87%
FL	+8,354		MO	+270		MT	+3		NY	1,504,286		FL	28,871		AZ	55,272		MA	81%	RI	85%
NC	+4,568		AZ	+200		WV	+2		IL	1,155,833		PA	22,860		GA	52,853		SC	81%	DE	83%
GA	+4,179		FL	+180		DE	+1		GA	955,085		NJ	22,329		CH	48,269		FL	81%	FL	83%
PA	+3,978		AL	+133		AS	+0		CH	931,437		IL	21,985		AL	43,906		MD	80%	CA	83%
VA	+3,699		NY	+124		GU	+0		PA	884,269		MI	16,019		IN	41,378		PA	79%	OK	82%
NJ	+3,656		IL	+116		KS	+0		NC	810,466		GA	15,513		MD	33,508		DC	79%	TX	82%
SC	+3,147		PA	+115		MP	+0		AZ	791,106		MA	15,269		WI	25,142		AL	78%	SC	82%
+62,145			+2,705			+24			14,707,394			264,816			529,018						
All states	+103,024		+3,885			-2754			All states	27,166,267		465,580			836,774			All states	74%		75%
Top ten	60%		70%			-1%			Top ten	54%		57%			63%			Median	73%		72%

Some states not reporting

Five most improved US states

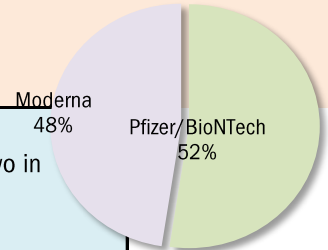
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-1,934	AL	-176	MI	-114	MA	+28,023
TN	-1,323	KS	-106	IL	-93	TX	+15,957
TX	-1,007	NJ	-68	NJ	-89	CH	+6,865
NJ	-714	WA	-62	CA	-83	PA	+3,421
CH	-475	CA	-57	AL	-80	OK	+2,175



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
68.29 million doses distributed	+2.31 million/day
46.39 million doses administered	+1.62 million/day
34.72 million persons with one shot	+0.94 million/day
11.19 million persons with two shots	+0.72 million/day
5.35 million shots long-term care residents/staff	+0.17 million/day
67.9% of distributed doses administered	
10.6% of US pop 1 shot	3.4% 2 shots
100% of LTC 1 shot	30.4% 2 shots



At today's dosing pace,
every American will have two in
376 days
by Feb 22, 2022

US will achieve herd immunity in
181 days
by Aug 10, 2021

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

AK
36.9%
15.9%
6.3%

ME
22.3%
10.5%
3.7%

WI
18.6%
11.0%
3.0%

VT
22.1%
10.7%
4.8%

NH
21.9%
9.6%
3.9%

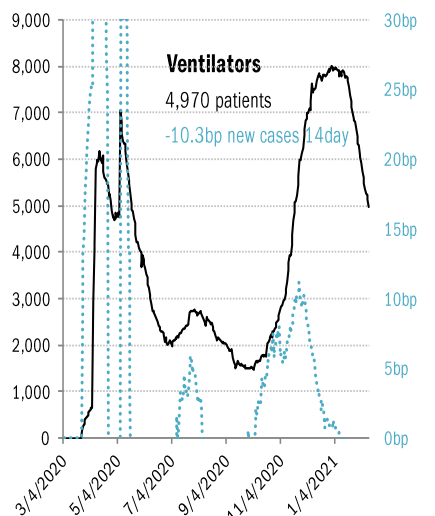
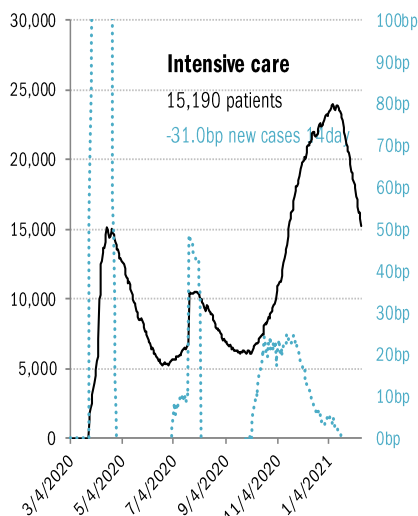
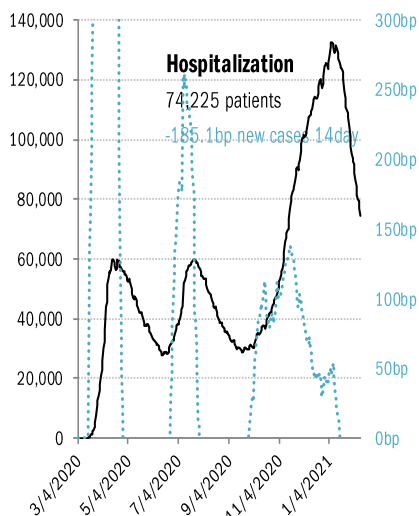
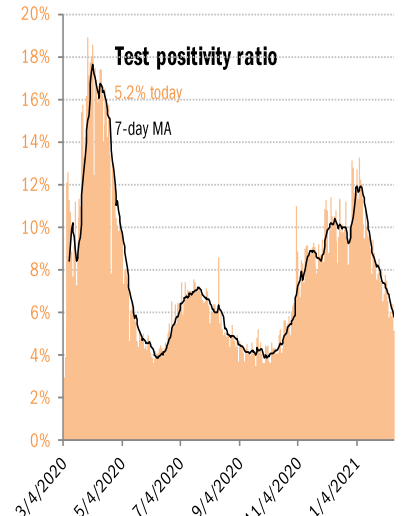
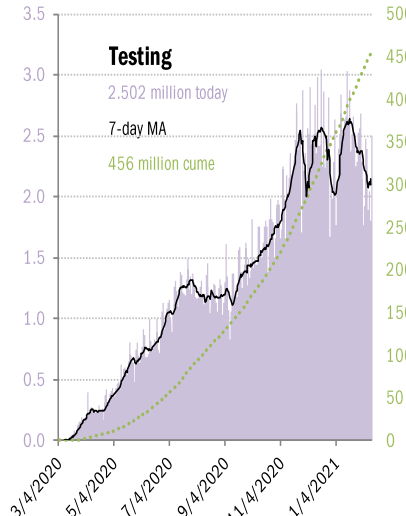
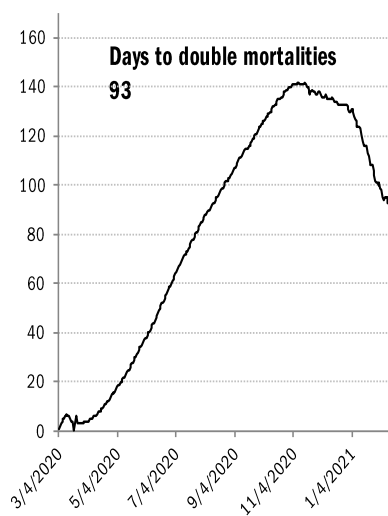
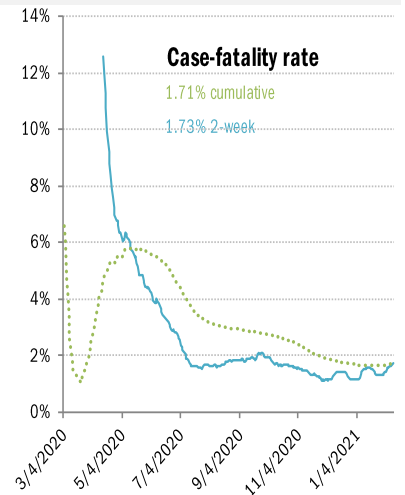
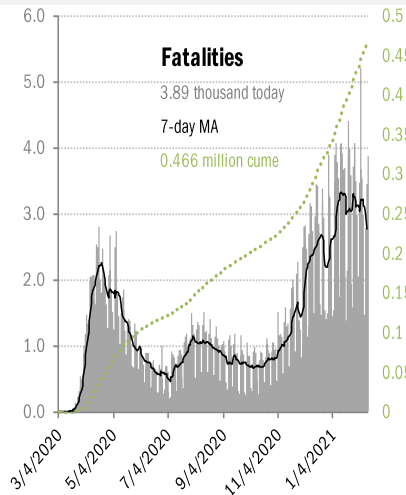
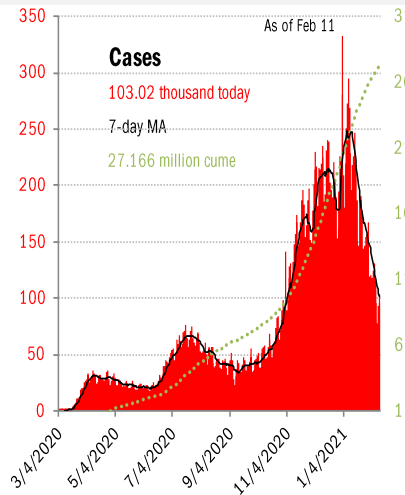
WA 18.8% 10.5% 3.0%	ID 17.9% 8.9% 2.4%	MT 18.0% 10.2% 3.7%	ND 20.4% 11.9% 5.3%	MN 19.9% 10.2% 3.1%	IL 19.4% 9.8% 2.6%	MI 19.0% 10.0% 4.0%	NY 19.8% 9.6% 3.4%	MA 21.0% 10.4% 3.0%	RI 20.0% 8.5% 3.6%
OR 19.9% 10.3% 3.6%	NV 17.3% 9.7% 2.5%	WY 20.5% 10.6% 3.1%	SD 20.5% 11.1% 5.0%	IA 18.4% 9.0% 3.2%	IN 20.1% 9.5% 2.9%	OH 19.6% 9.5% 3.0%	PA 19.8% 9.5% 2.9%	NJ 19.9% 10.3% 3.2%	CT 22.8% 12.3% 4.3%
CA 19.8% 10.4% 2.5%	UT 18.1% 9.6% 3.3%	CO 20.2% 9.9% 4.2%	NE 21.0% 8.9% 3.8%	MO 17.3% 8.5% 2.7%	KY 19.7% 10.2% 3.4%	WV 21.6% 12.6% 6.4%	VA 18.6% 11.1% 2.9%	MD 19.7% 9.3% 3.0%	DE 18.7% 10.9% 2.8%
AZ 19.1% 10.3% 2.6%	NM 20.4% 12.6% 4.8%	KS 19.4% 8.5% 2.8%	AR 19.7% 10.5% 3.7%	TN 19.0% 8.7% 3.9%	NC 18.5% 10.0% 3.2%	SC 15.1% 9.5% 2.6%	DC 27.4% 11.3% 4.5%		
		OK 20.6% 11.4% 4.4%	LA 19.2% 9.6% 4.1%	MS 20.2% 9.6% 2.6%	AL 18.6% 8.8% 2.3%	GA 19.0% 9.1% 2.6%			
		TX 17.6% 9.5% 3.3%					FL 20.1% 9.9% 3.8%		PR 22.1% 7.8% 2.7%

As of Feb 11

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

US deep-dive

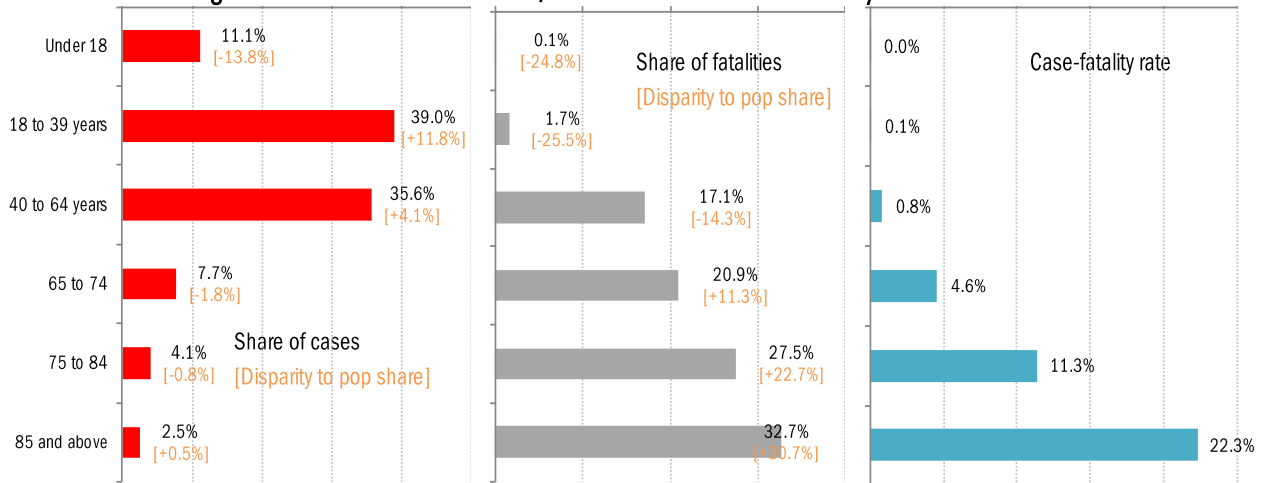
National and state-by-state data do not line up because of different sources



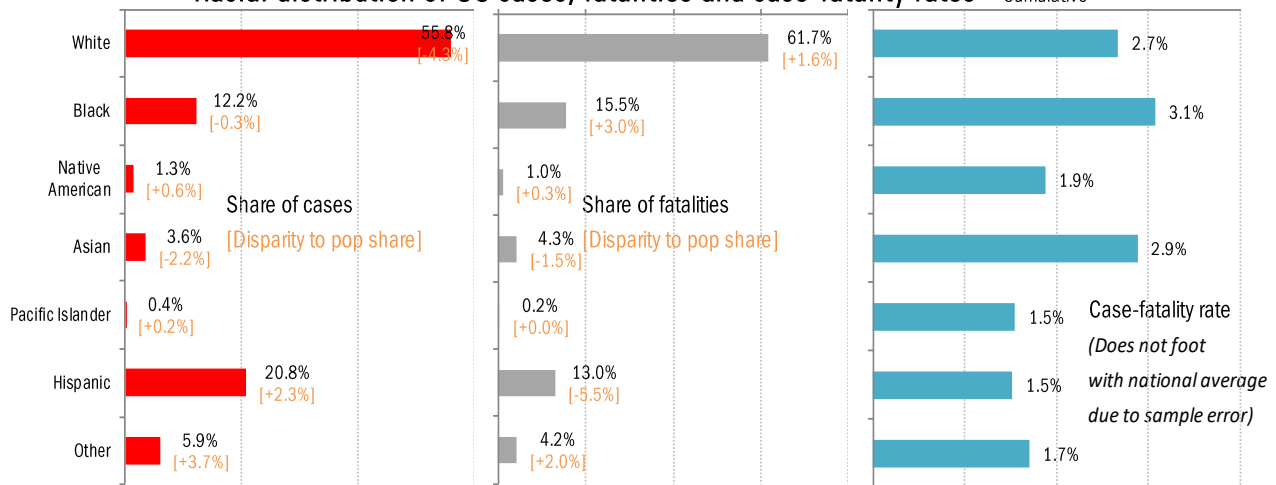
Source: [Covid Tracking Project](#), TrendMacro calculations

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

Age distribution of US cases, fatalities and case-fatality rates

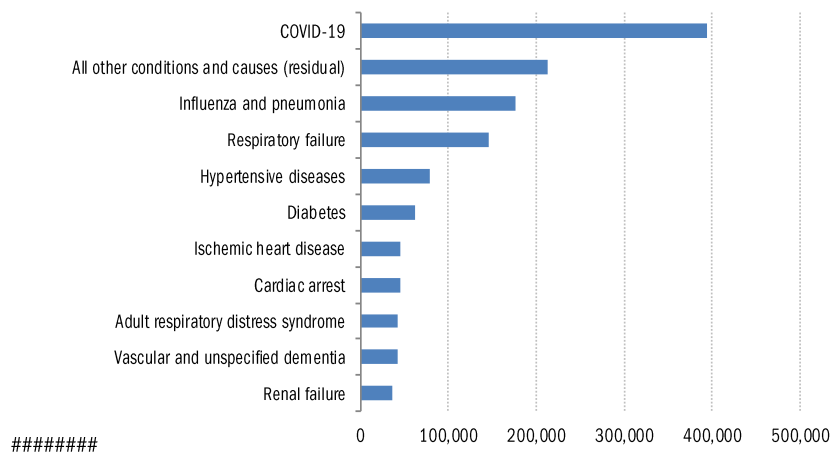


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Cuomo aide admits they hid nursing home data so feds wouldn't find out](#) (edit)

Bernadette Hogan, Carl Campanile and Bruce Golding
New York Post
February 11, 2021

[Trump Was Sicker Than Acknowledged With Covid-19](#)

Noah Weiland, Maggie Haberman, Mark Mazzetti and Annie Karni
New York Times
February 11, 2021

[A French Nun Turns 117 After Knocking Down Covid-19](#)

Elian Peltier
New York Times
February 10, 2021

[Republicans came within 90,000 votes of controlling all of Washington](#)

Aaron Blake
Washington Post
February 9, 2021

[White House looks at domestic travel restrictions as COVID mutation surges in Florida](#)

Michael Wilner, Ben Conarck and Nicholas Nehamas
Miami Herald
February 10, 2021

[Wisconsin's Capitol Siege, 10 Years On](#)

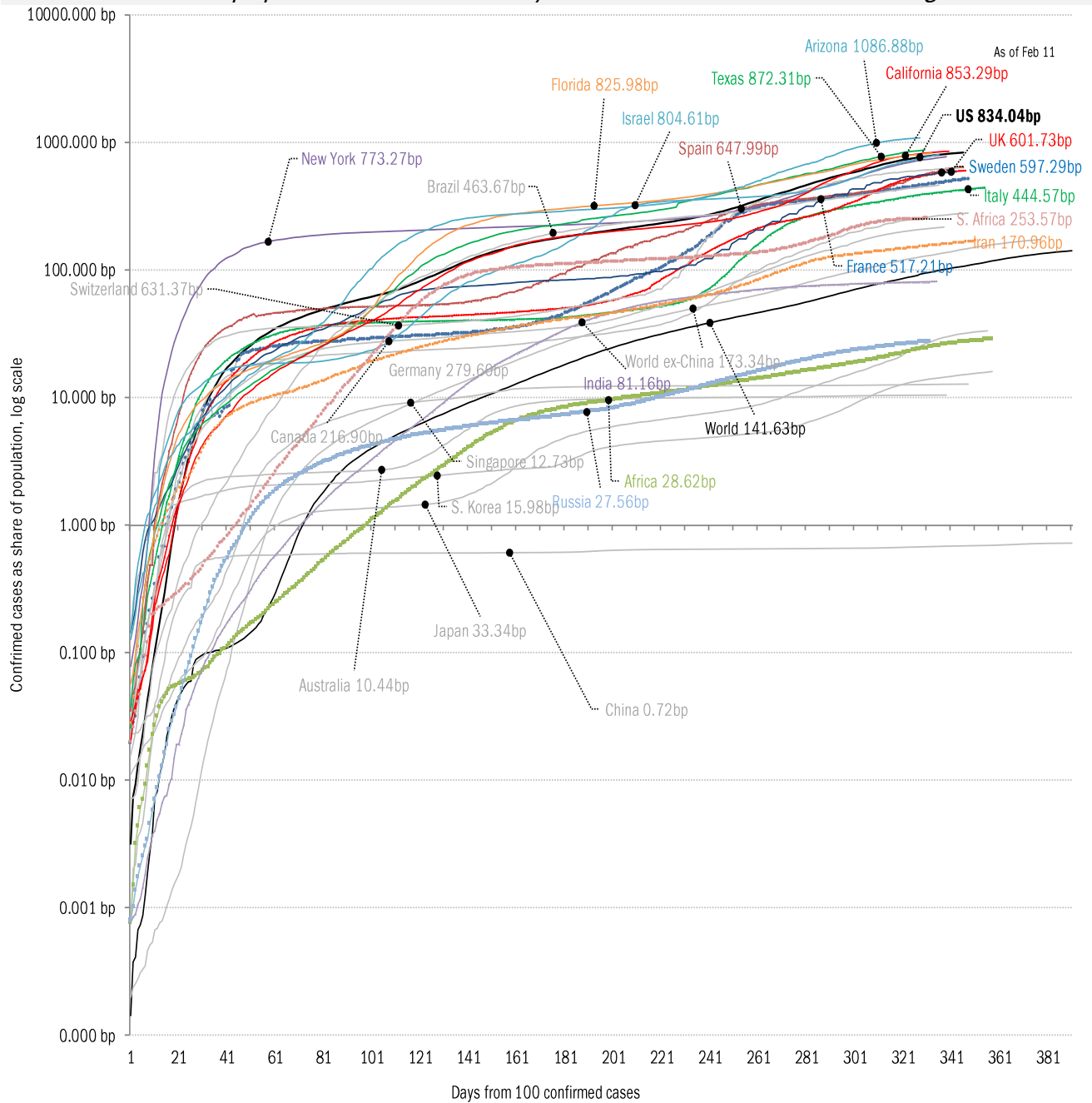
Scott Walker
Wall Street Journal
February 10, 2021

Meme of day



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

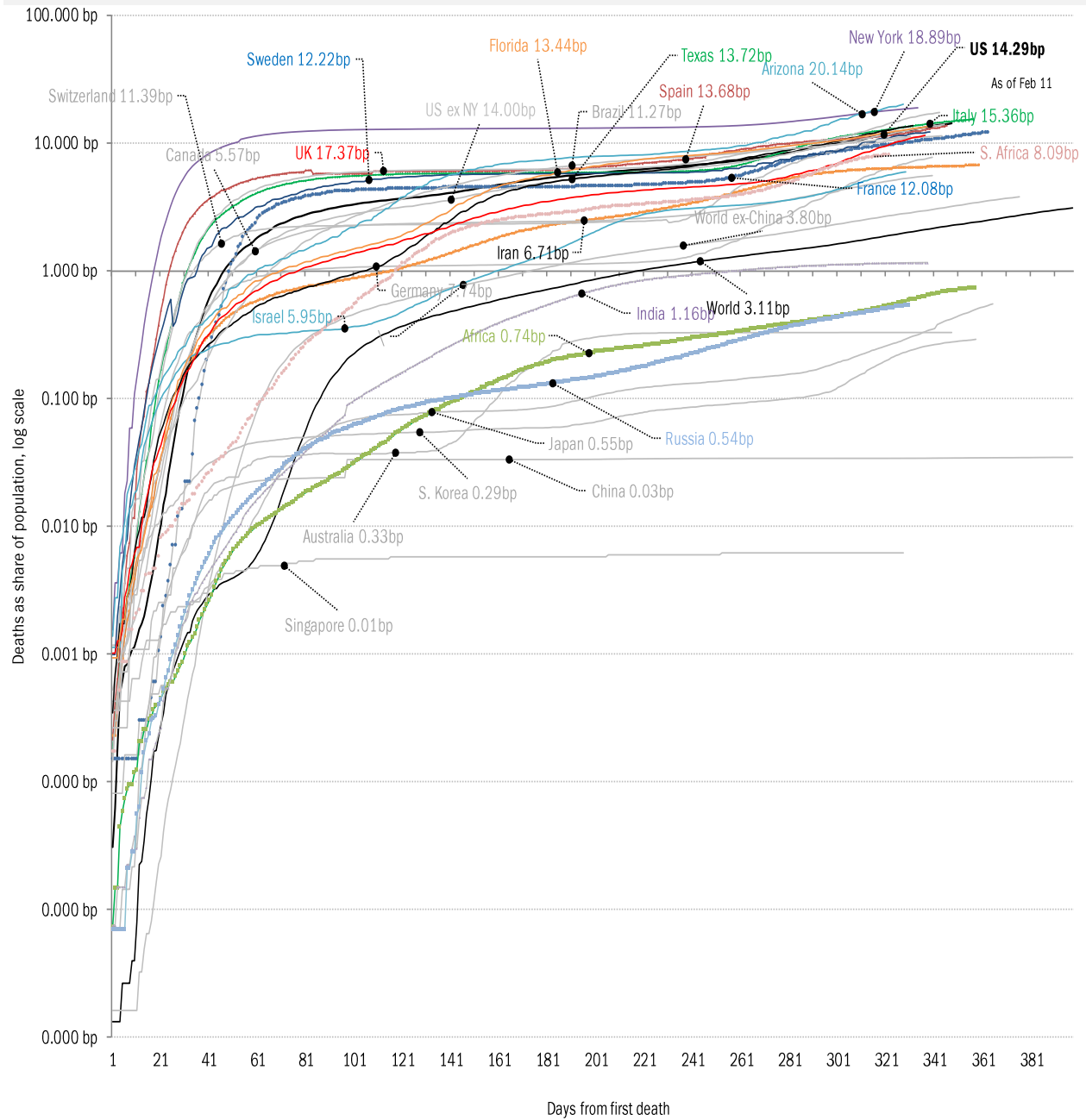
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

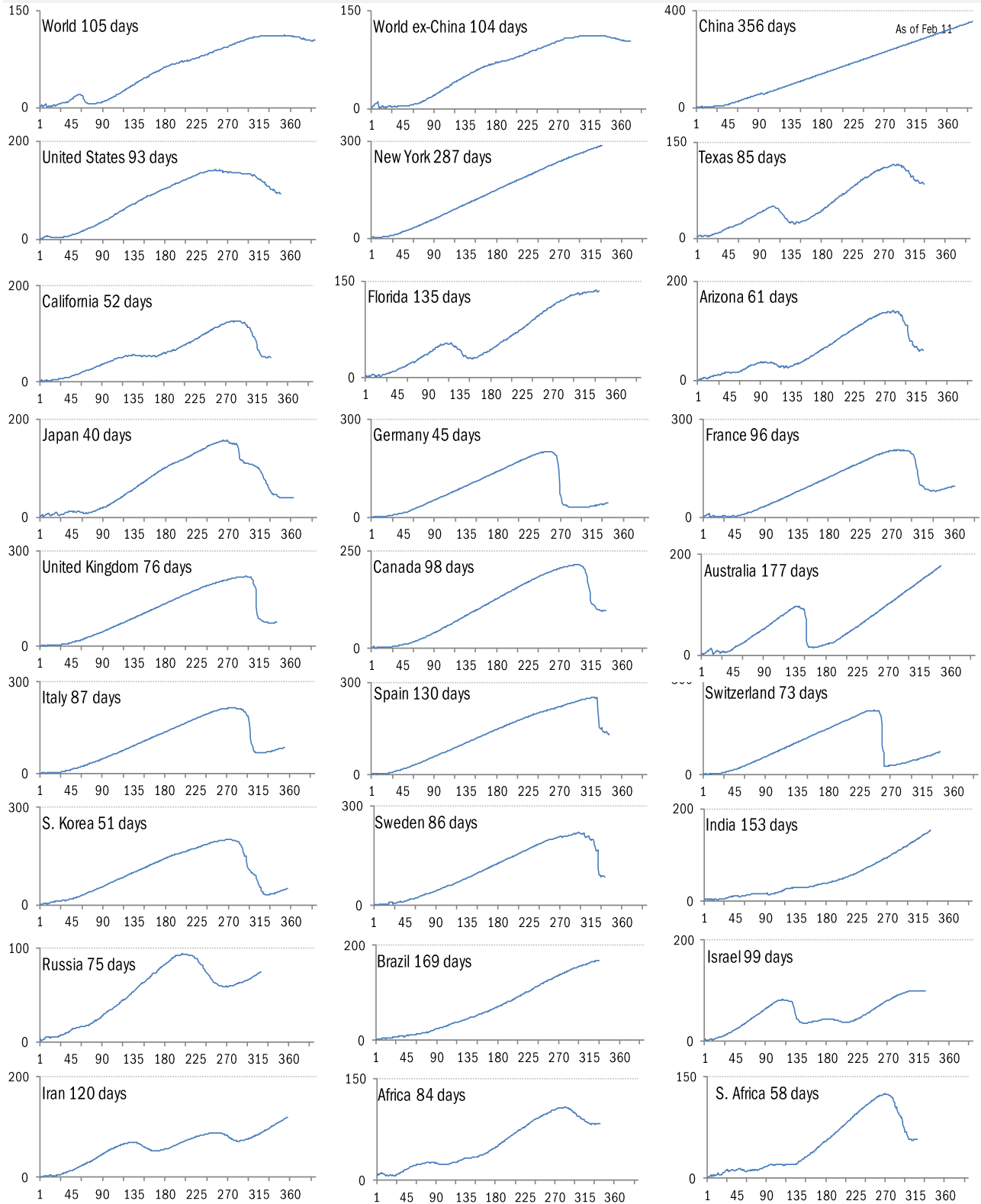


Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

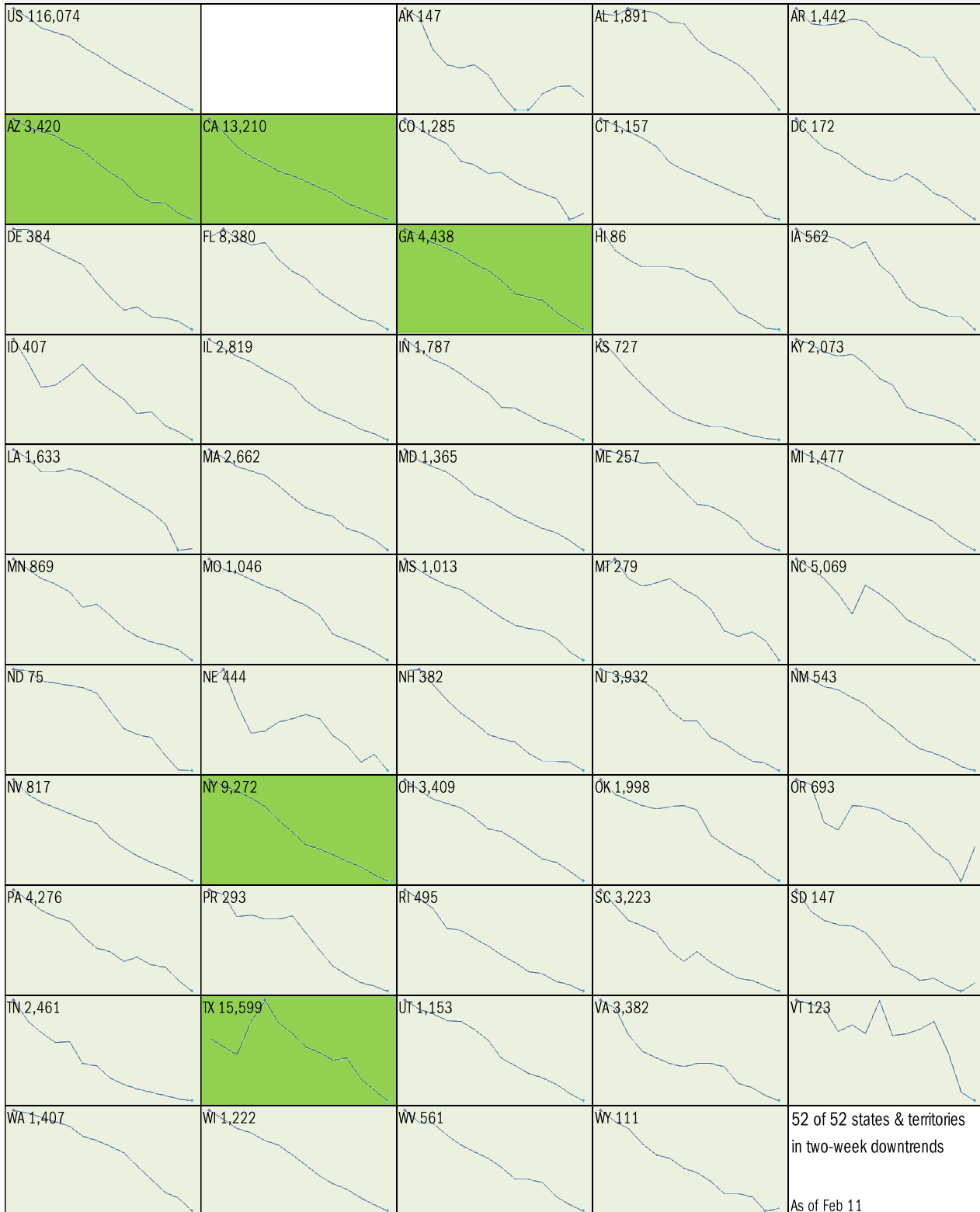
Vertical: days to double deaths Horizontal: days from first death

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

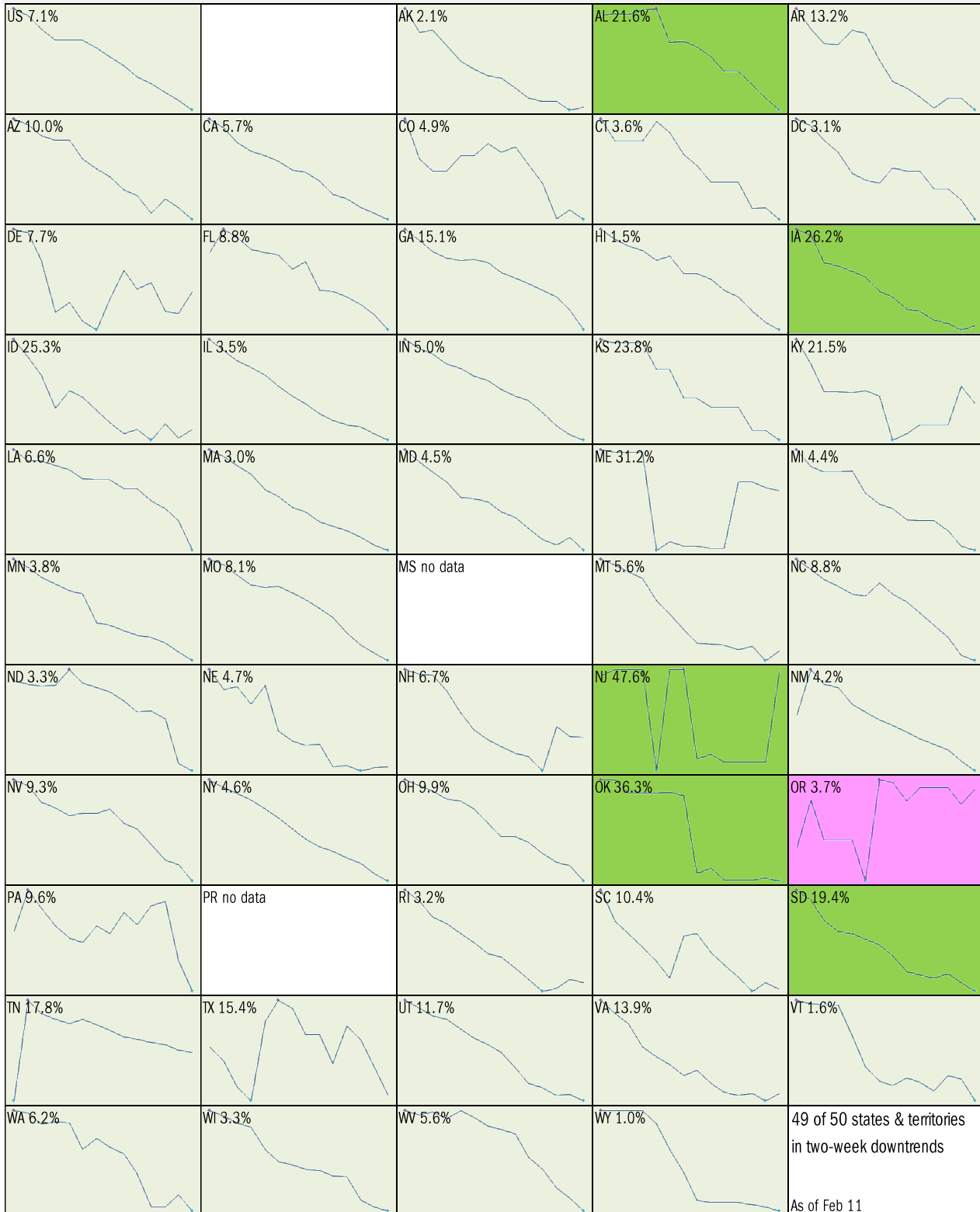


Source: [Covid Tracking Project](#), TrendMacro calculations

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

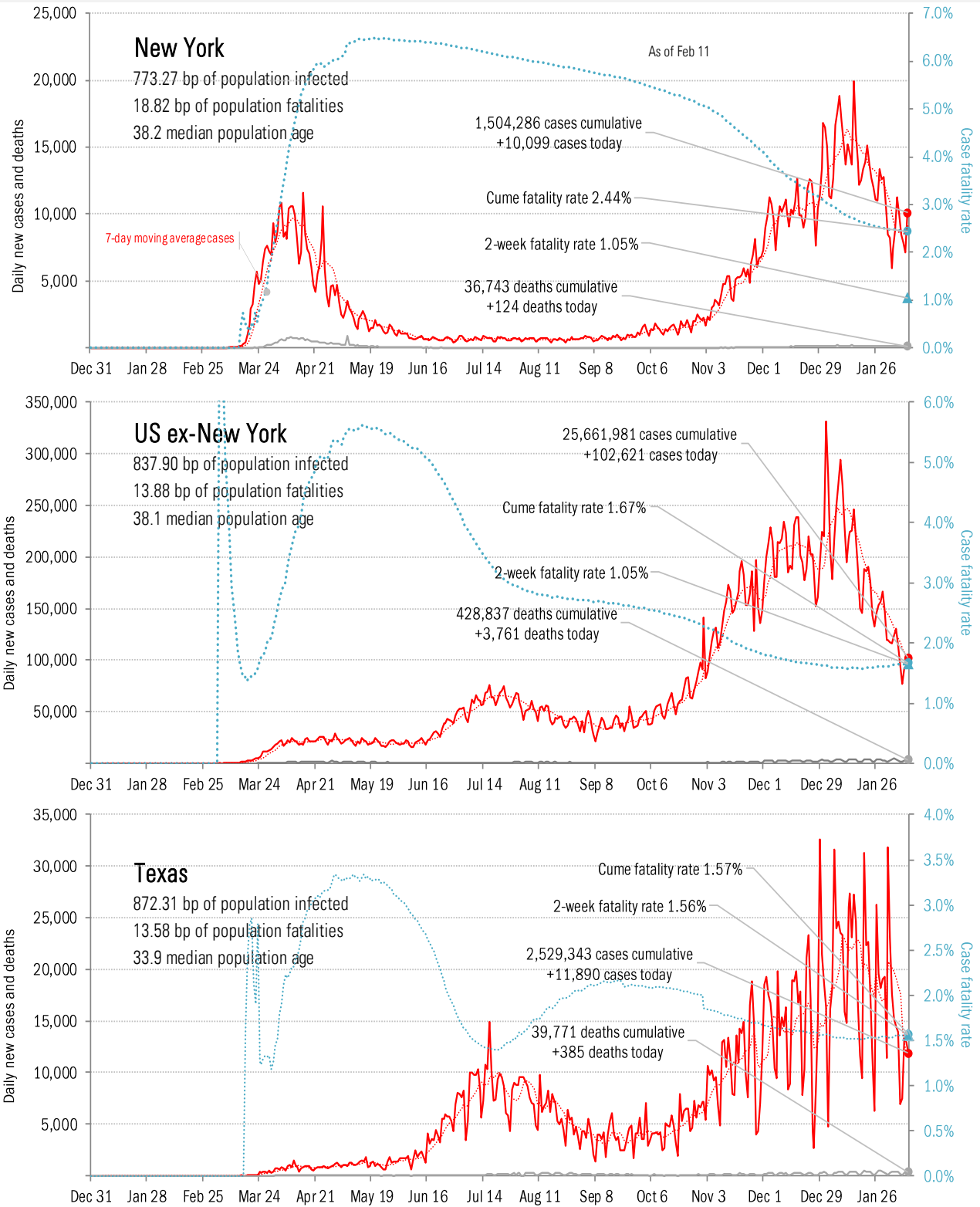
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



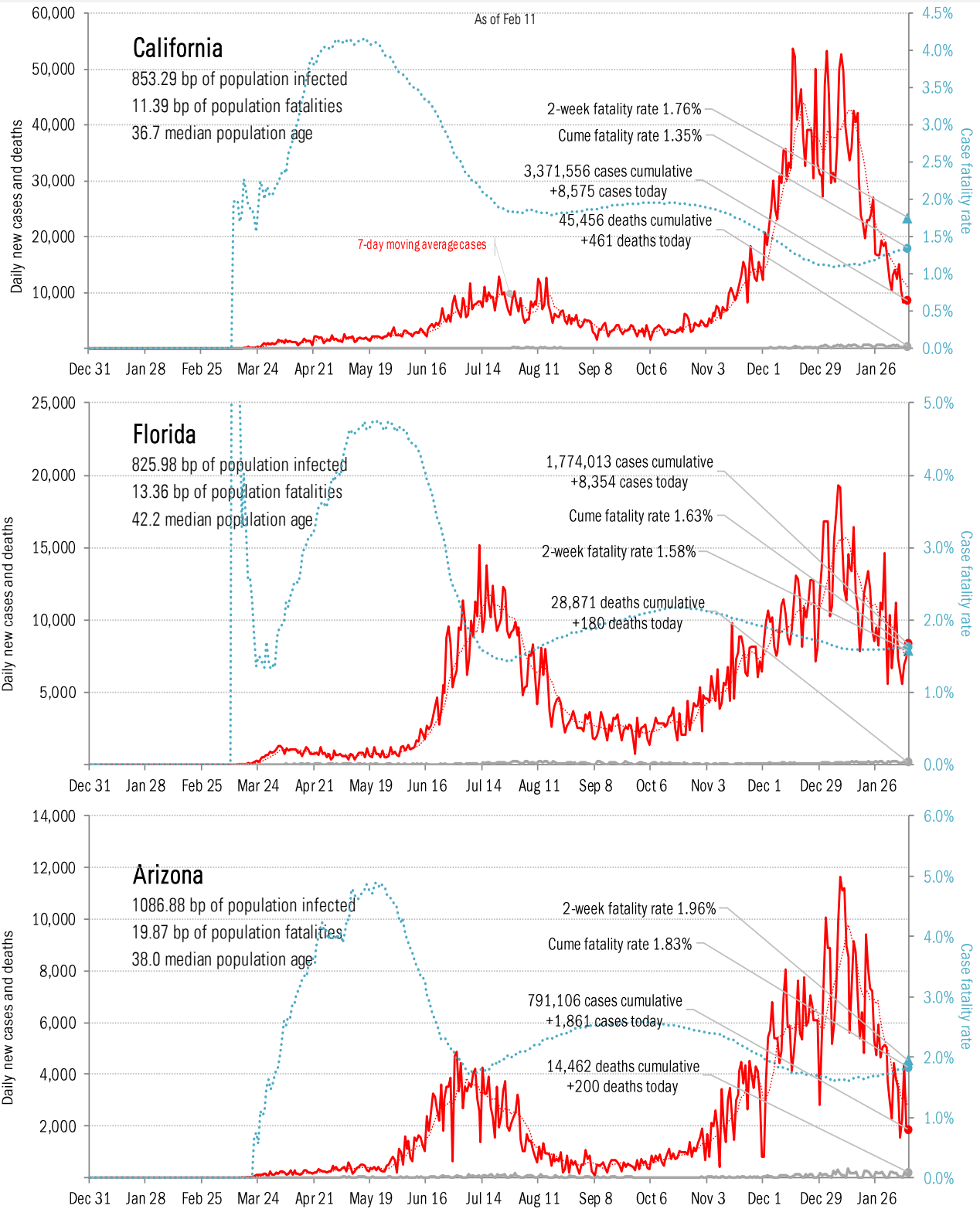
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



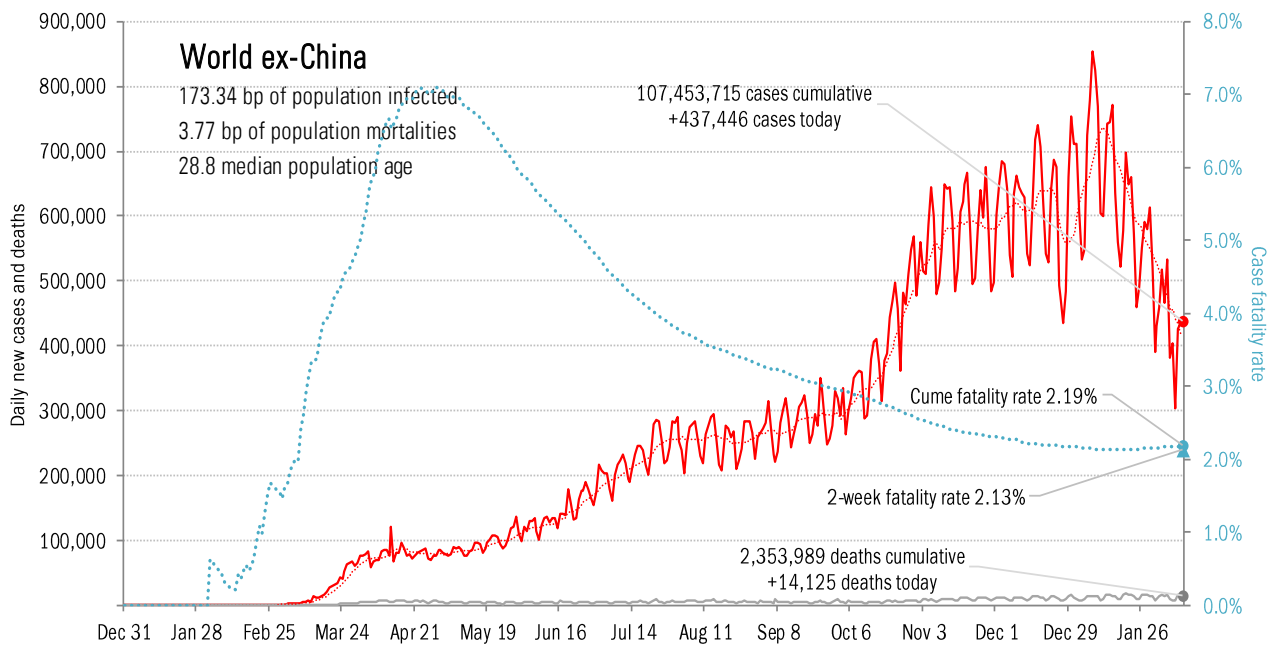
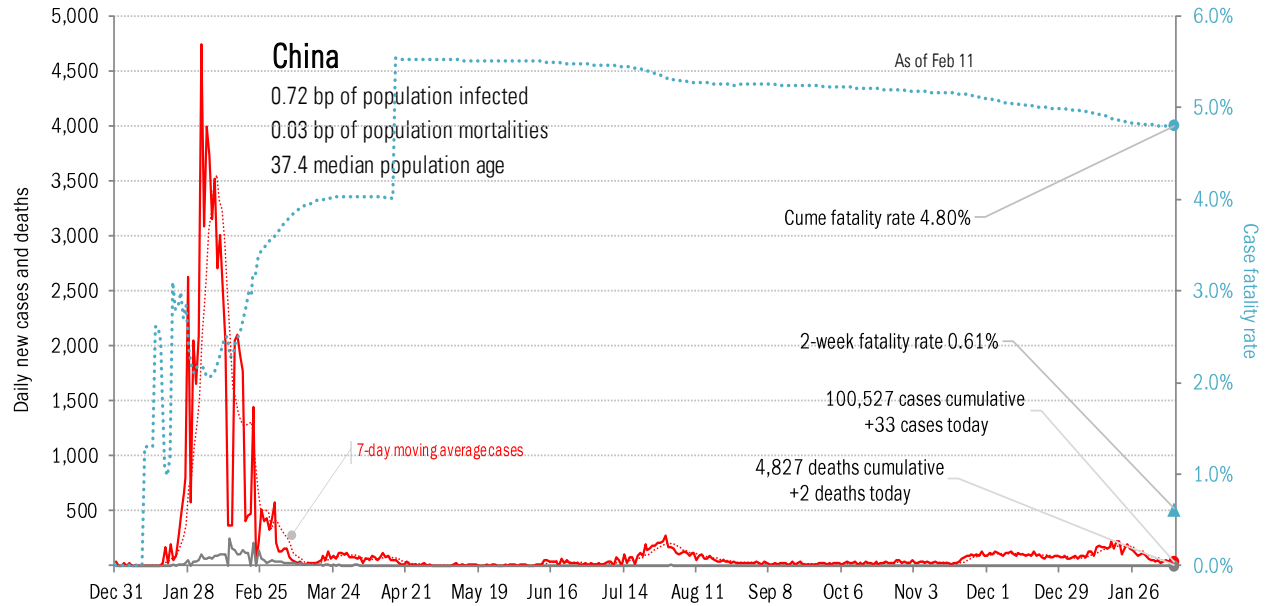
Source: [Covid Tracking Project](#), TrendMacro calculations

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



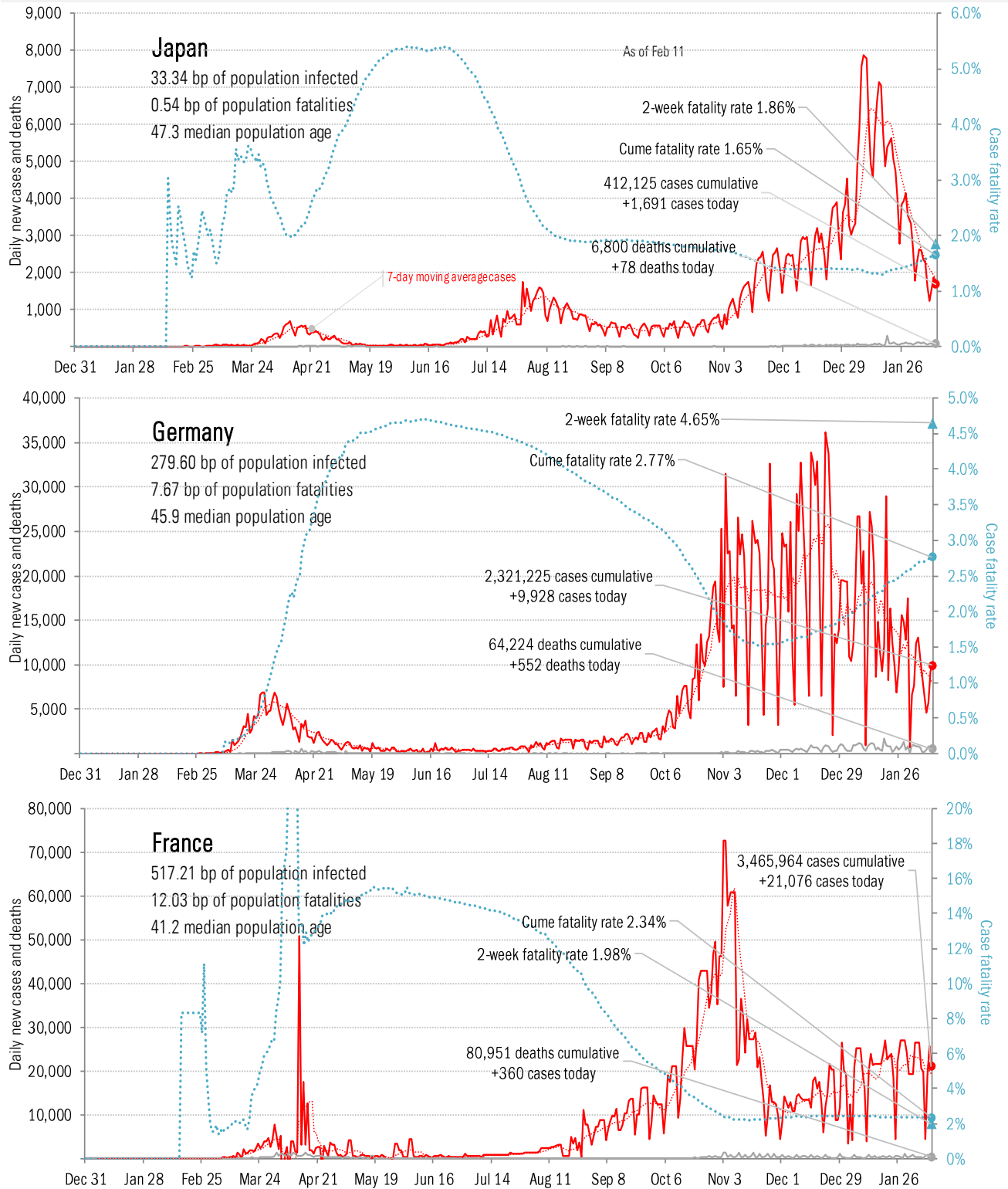
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



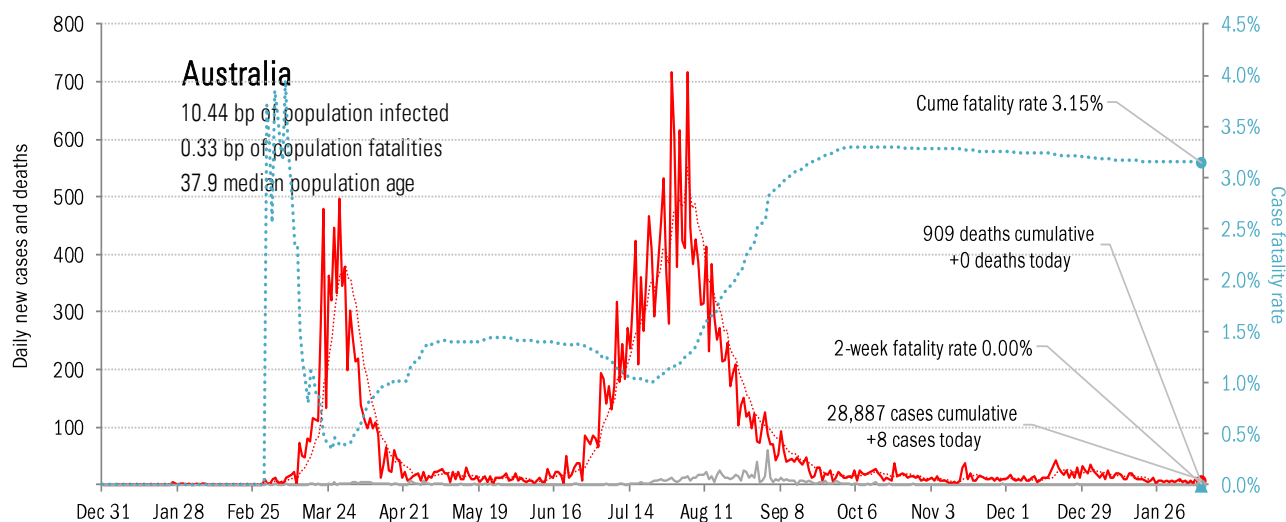
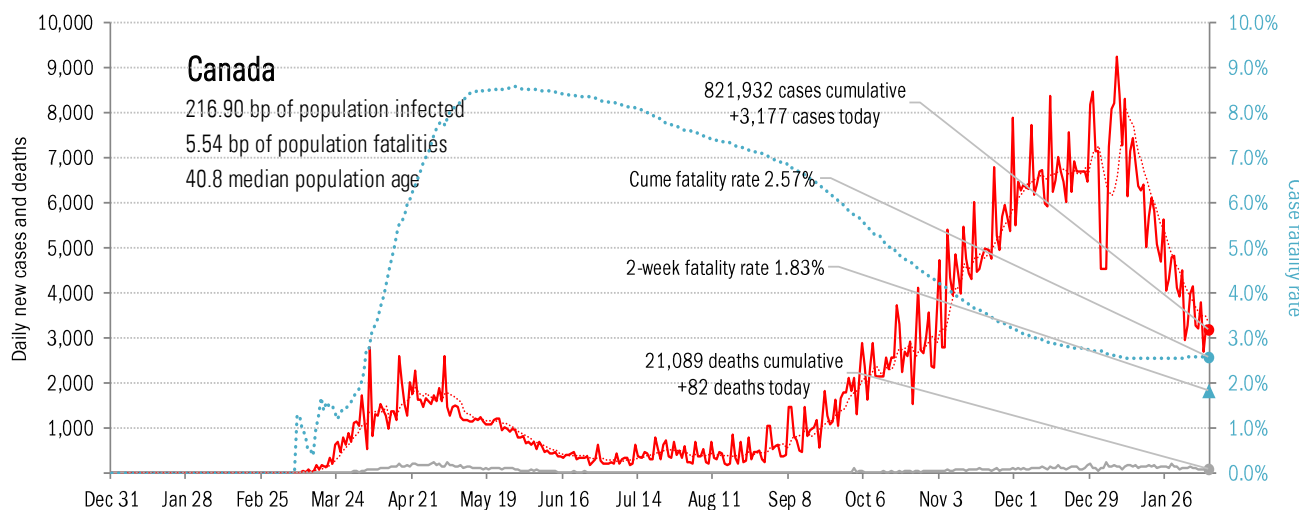
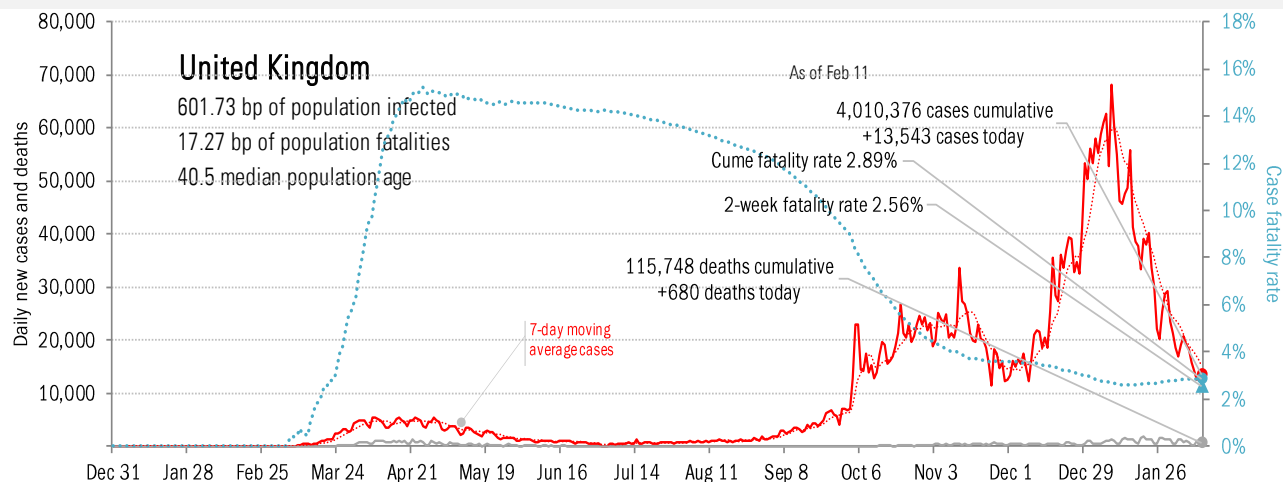
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



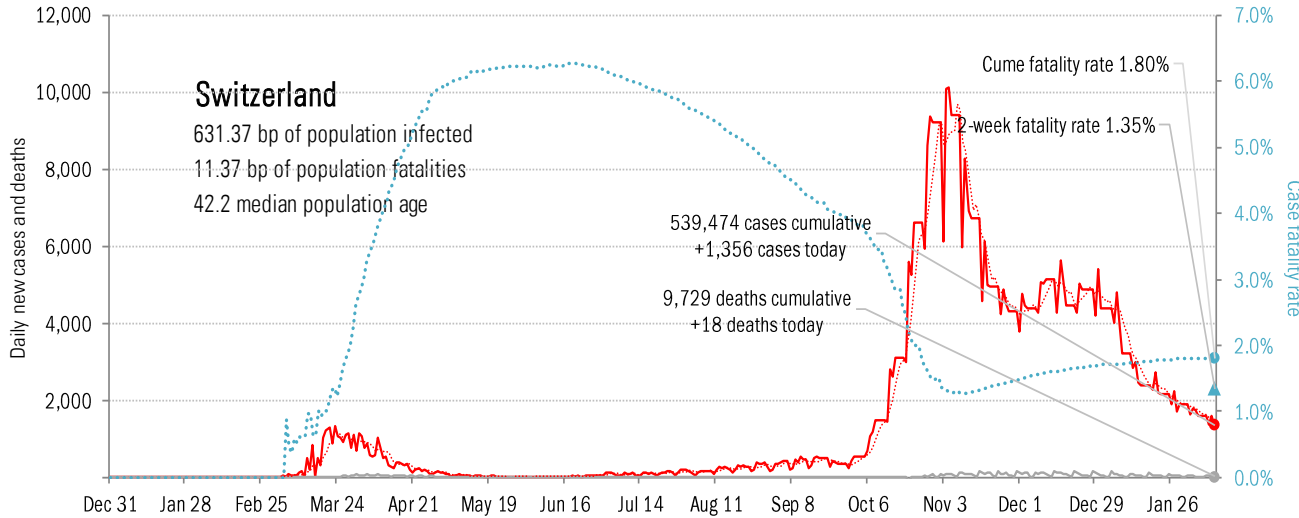
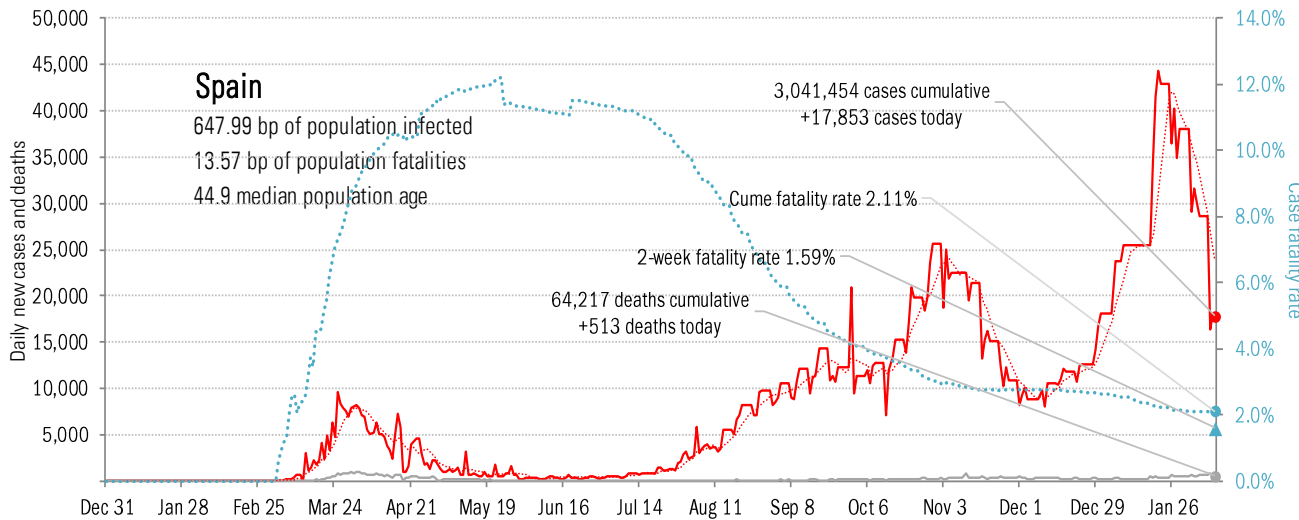
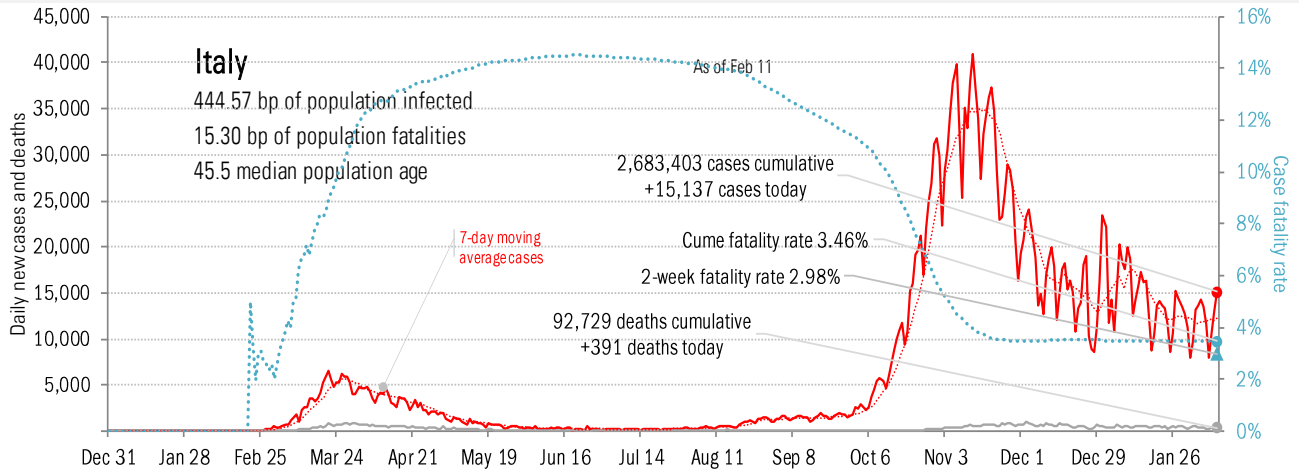
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



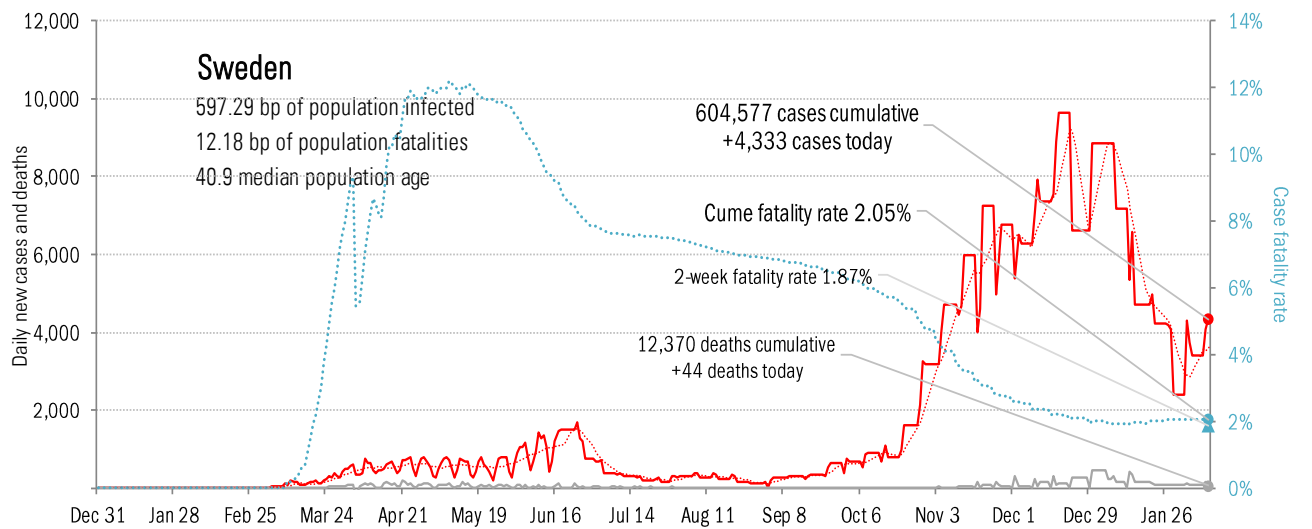
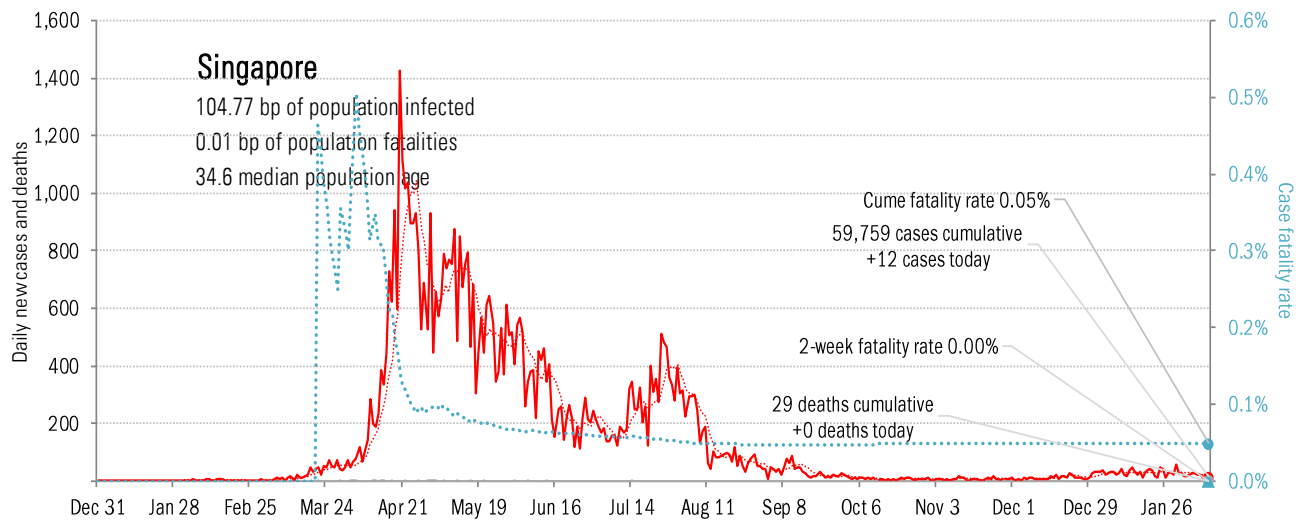
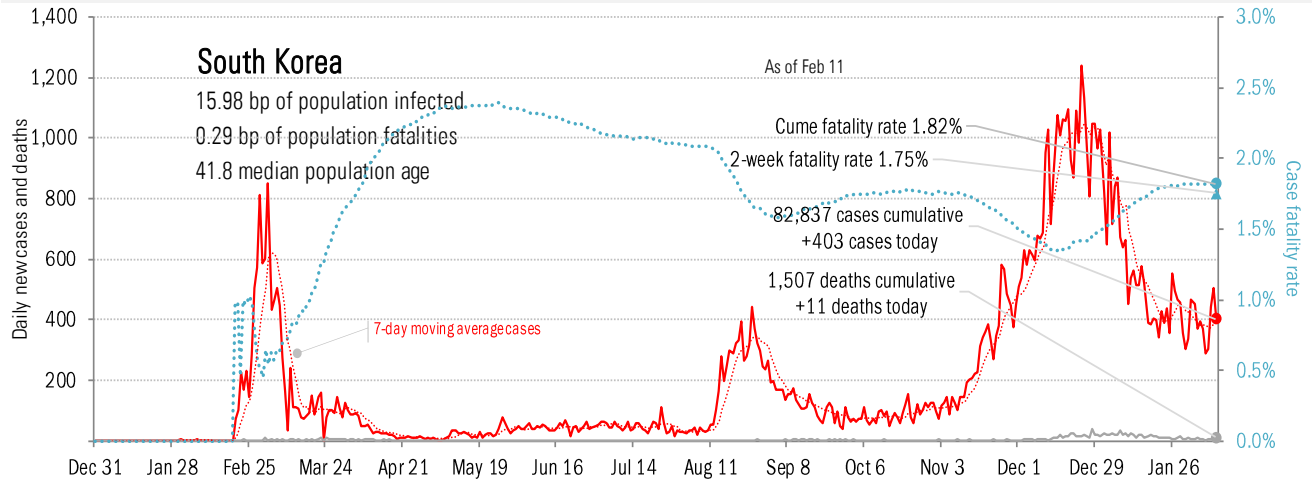
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



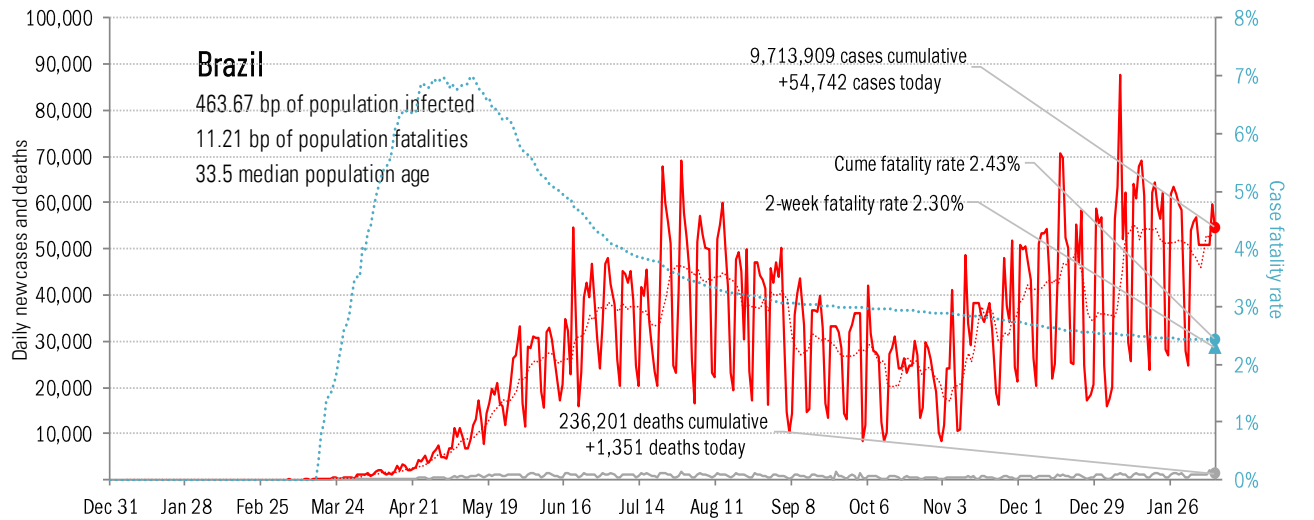
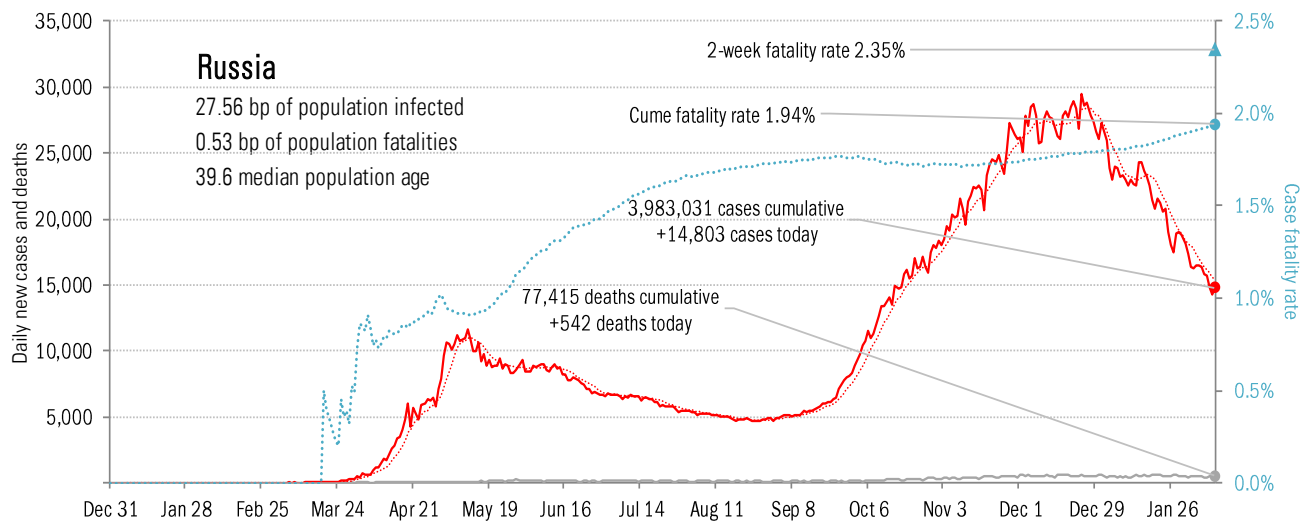
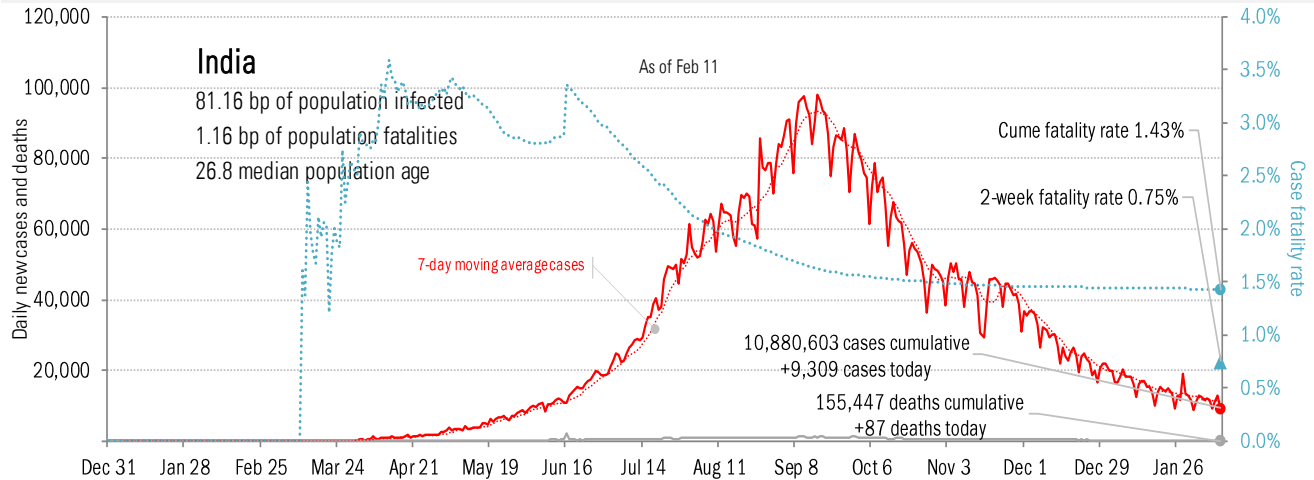
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



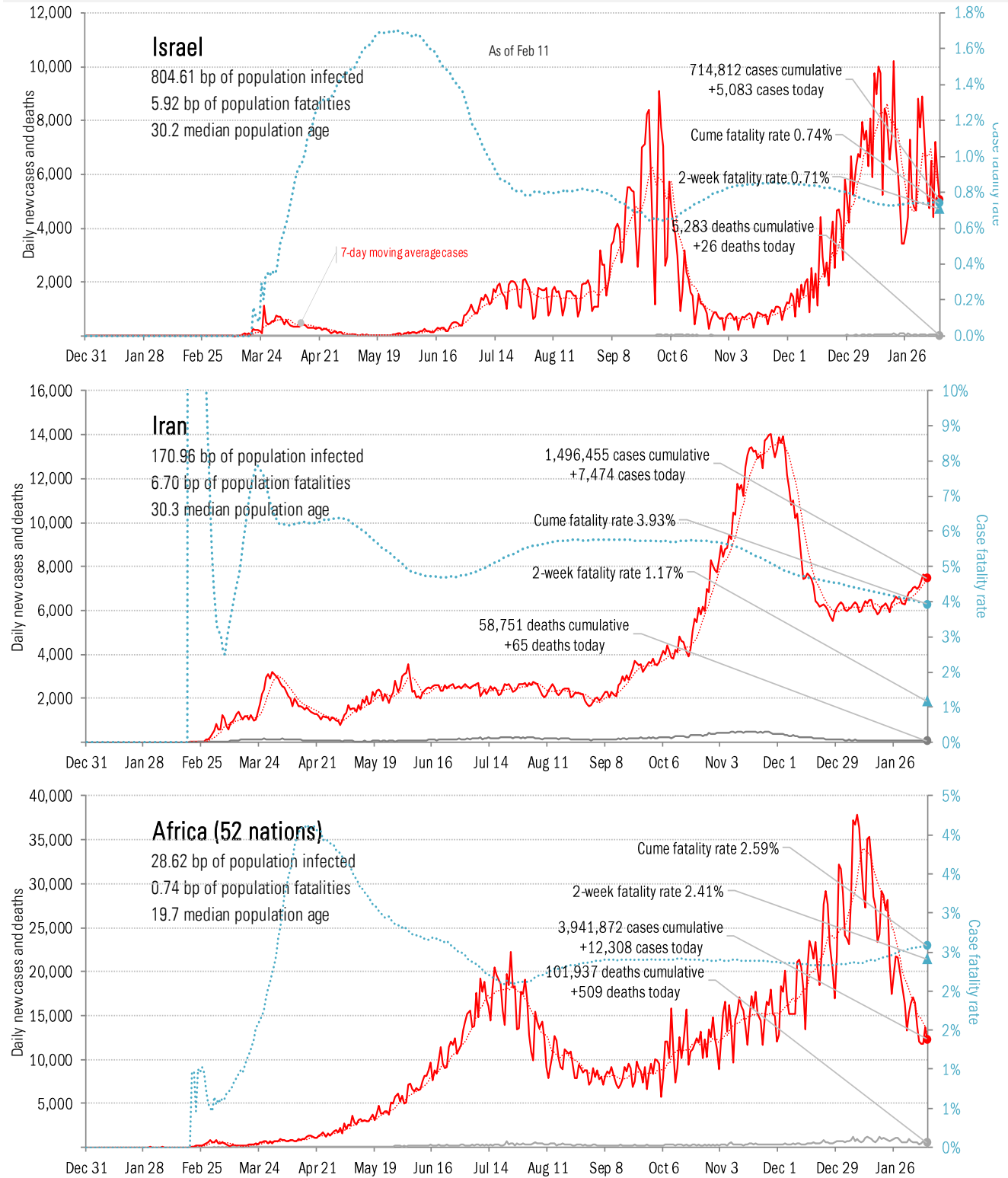
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



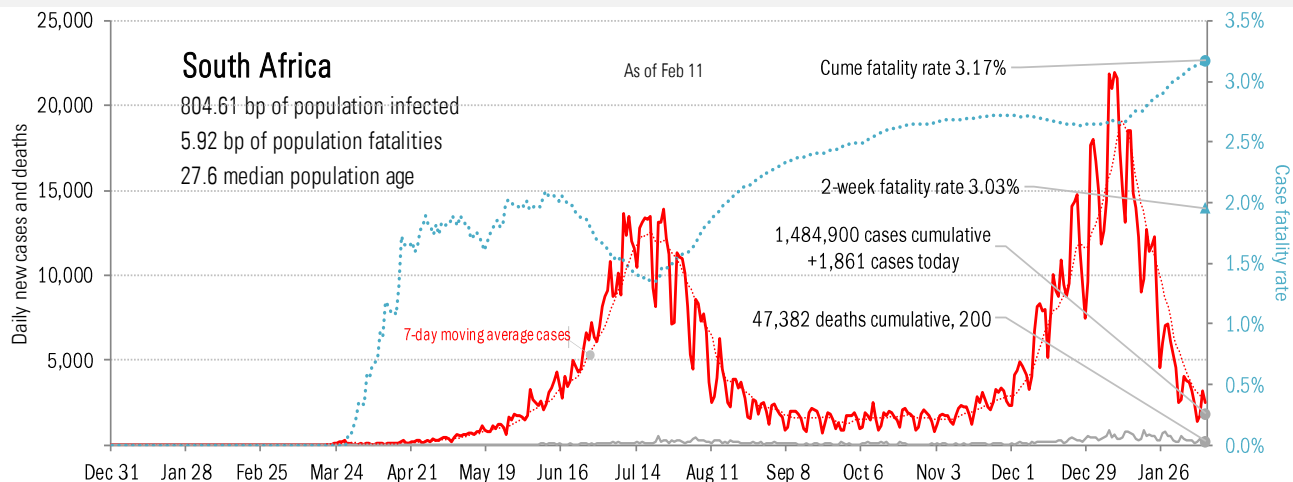
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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