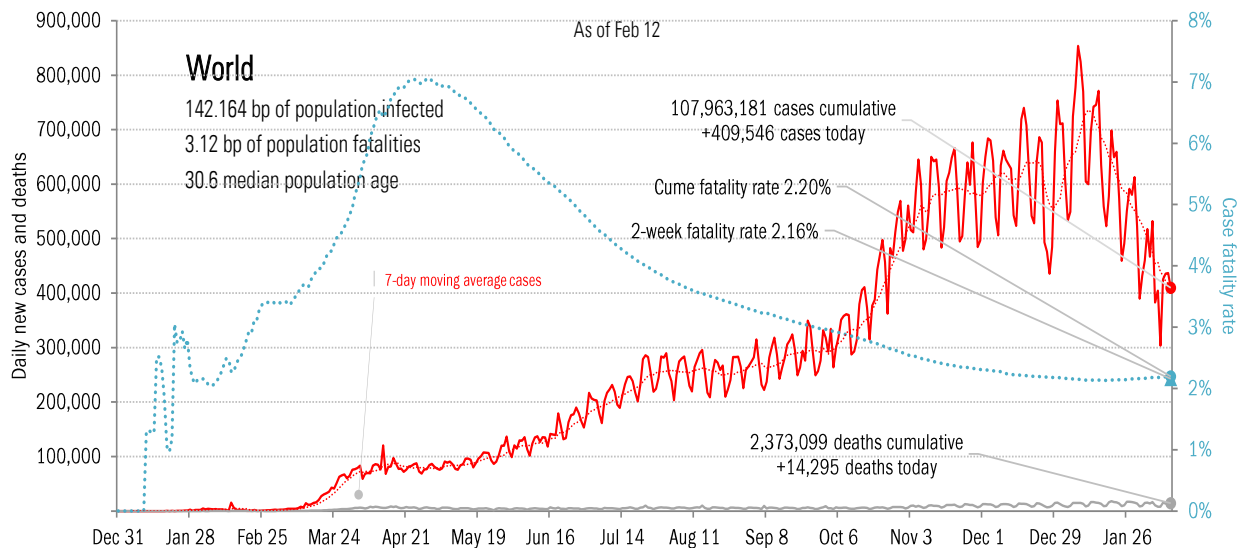
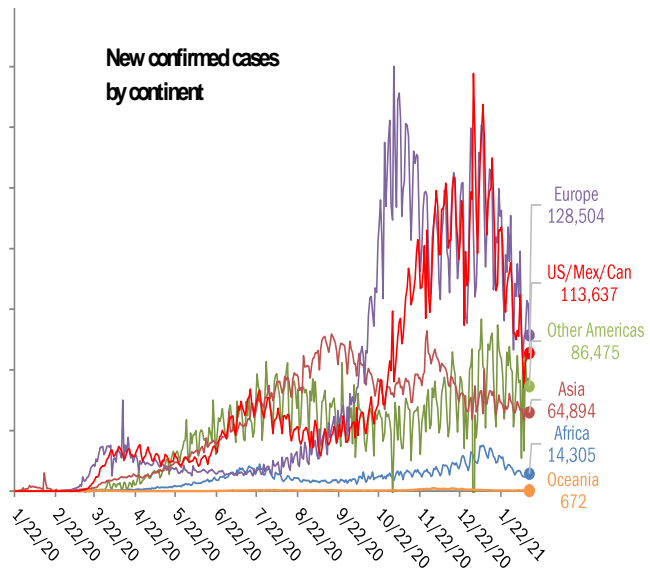


Data Insights: Covid-2019 Monitor

Saturday, February 13, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+100,570	United States	+5,418
Brazil	+51,546	Mexico	+1,323
United Kingdom	+15,198	Brazil	+1,288
Russia	+14,867	United Kingdom	+759
Spain	+14,581	Germany	+547
Italy	+13,893	Spain	+530
India	+12,143	Russia	+496
Mexico	+10,388	Italy	+316
Indonesia	+9,869	South Africa	+288
Germany	+9,197	Indonesia	+275
+252,252		+11,240	
World	+409,546	World	+14,295
Top ten	62%	Top ten	79%



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

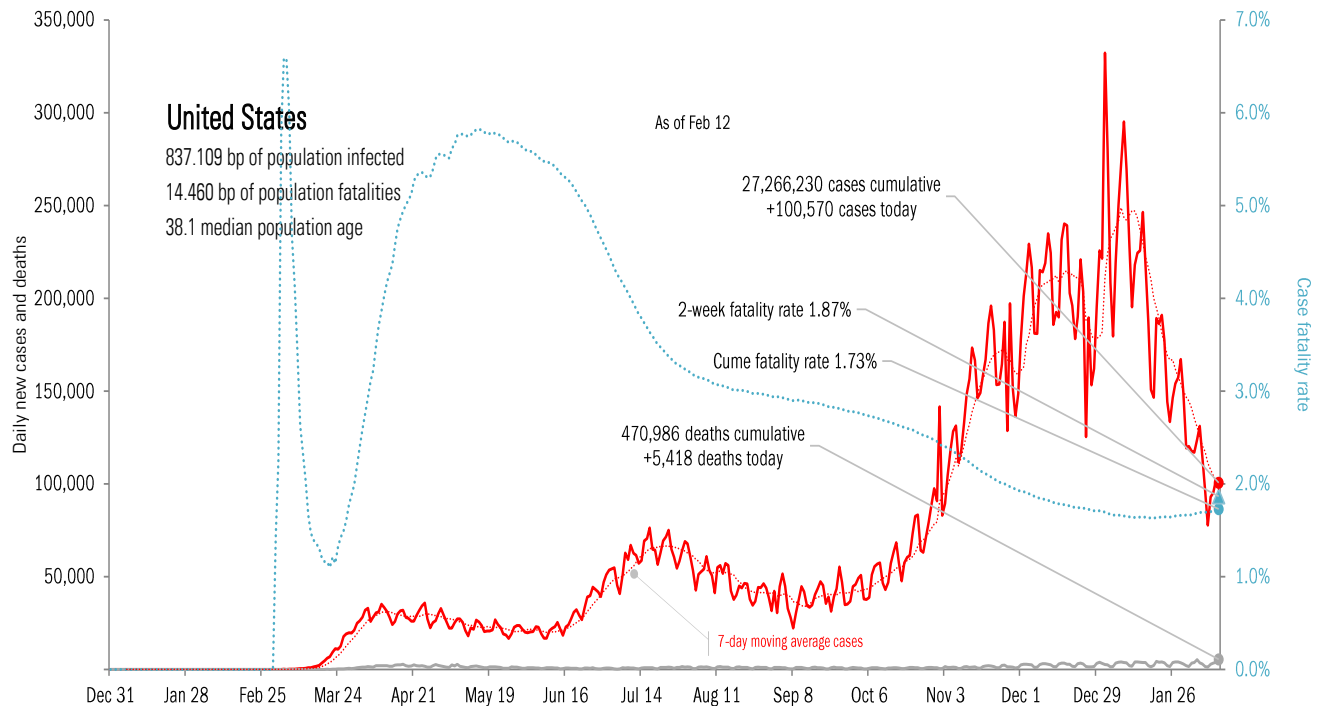
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use		
TX	+12,502		CH	+2,559		MN	+6		CA	3,381,615		CA	46,002		NY	89,995		RI	102%	GA	88%	
CA	+10,059		CA	+546		WY	+3		TX	2,541,845		TX	40,095		FL	76,873		GA	81%	AL	87%	
NY	+8,404		TX	+324		AK	+2		FL	1,781,450		NY	36,882		NJ	62,221		MA	81%	TX	83%	
FL	+7,437		GA	+195		ME	+2		NY	1,512,690		FL	29,061		AZ	55,413		FL	81%	DC	82%	
NC	+4,128		FL	+190		AR	+0		IL	1,158,431		PA	22,959		GA	53,111		SC	81%	CA	82%	
PA	+3,987		AZ	+172		AS	+0		GA	958,985		NJ	22,393		CH	48,411		CT	80%	FL	82%	
GA	+3,900		AL	+159		ID	+0		CH	934,742		IL	22,027		AL	44,148		MD	79%	RI	82%	
SC	+3,870		NY	+139		MP	+0		PA	888,256		MI	16,027		IN	41,459		PA	78%	SC	81%	
NJ	+3,732		PA	+99		ND	+0		NC	814,594		GA	15,708		MD	33,629		MO	78%	NC	81%	
CH	+3,305		IN	+90		NH	+0		AZ	793,532		MA	15,358		WI	25,197		AL	78%	NV	81%	
+61,324			+4,473			+13			14,766,140			266,512			530,457							
All states	+100,570		+5,418			-2721			All states	27,266,230		470,986			839,119			All states	73%		74%	
Top ten	61%		83%			0%			Top ten	54%		57%			63%			Median	72%		70%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-1,695	MO	-259	TX	-94	TX	+19,427
LA	-1,558	IL	-74	CA	-69	PA	+12,311
FL	-917	MI	-72	MA	-45	CH	+3,595
AR	-538	TX	-61	GA	-43	UT	+2,634
VA	-508	SC	-38	MD	-37	TN	+2,613

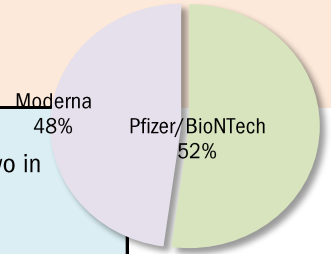


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
69.01 million doses distributed	+0.73 million/day
48.41 million doses administered	+2.02 million/day
35.83 million persons with one shot	+1.11 million/day
12.09 million persons with two shots	+0.90 million/day
5.51 million shots long-term care residents/staff	+0.16 million/day

70.1% of distributed doses administered	
10.8% of US pop 1 shot	3.6% 2 shots
100% of LTC 1 shot	32.6% 2 shots



At today's dosing pace,
every American will have two in
301 days
by Dec 9, 2021

US will achieve herd immunity in
144 days
by Jul 5, 2021

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

AK
37.1%
16.2%
6.7%

ME
22.3%
10.5%
3.7%

WI
18.6%
11.4%
3.3%

VT
22.1%
11.0%
5.0%

NH
21.9%
9.9%
4.1%

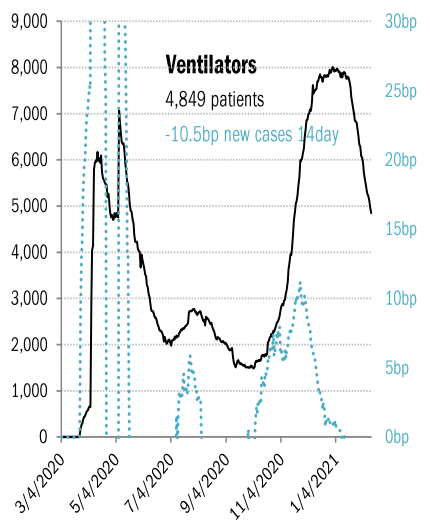
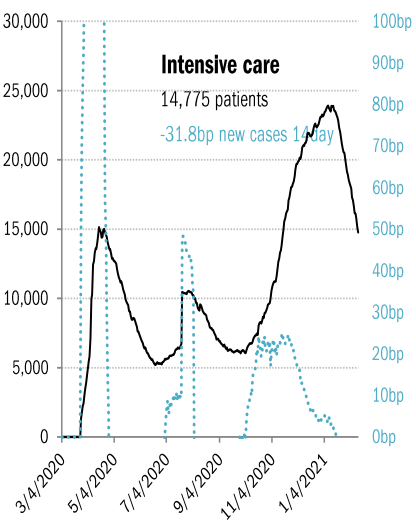
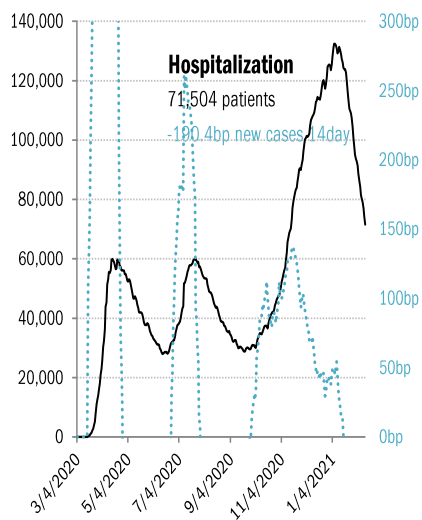
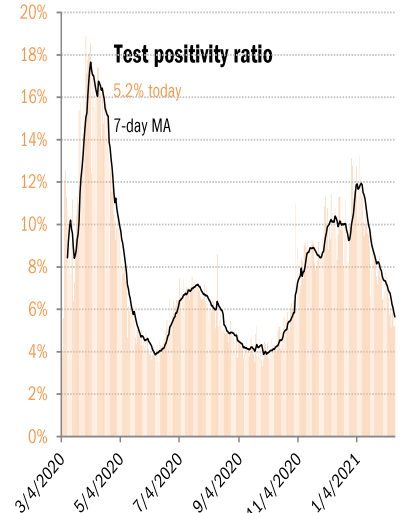
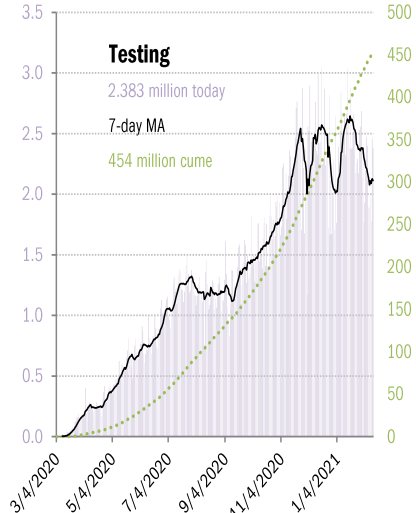
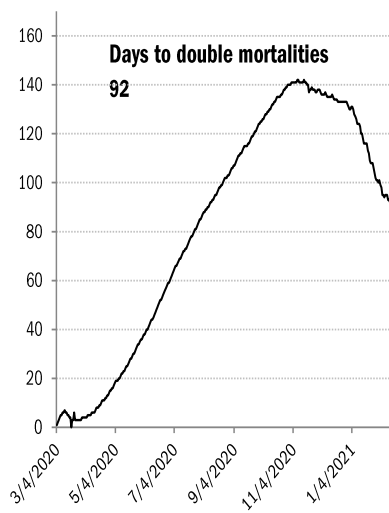
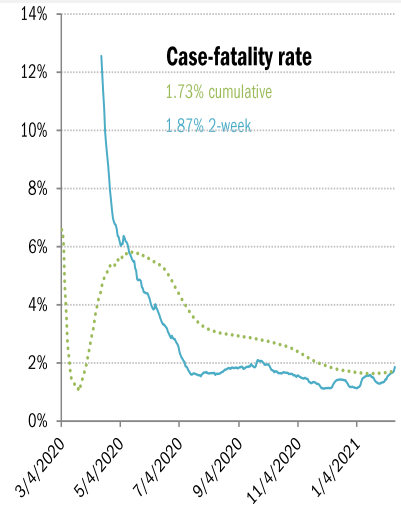
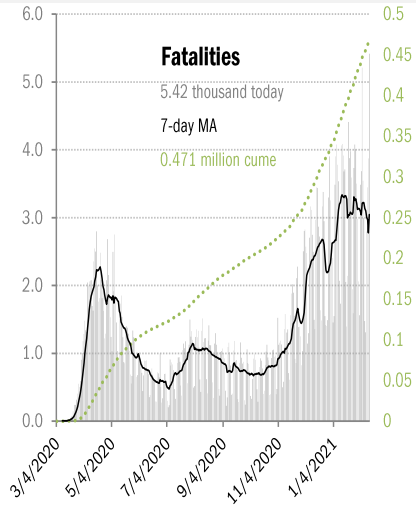
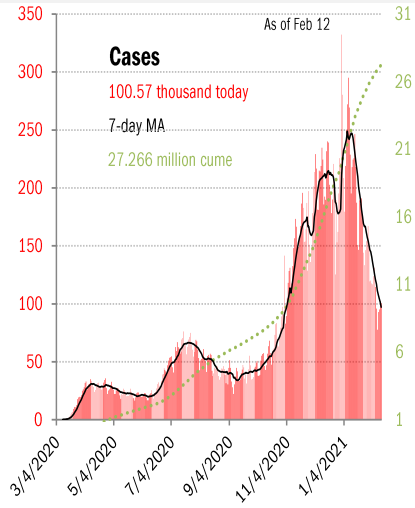
WA 18.9% 10.8% 3.3%	ID 18.0% 8.9% 2.4%	MT 18.2% 10.8% 3.9%	ND 20.4% 12.4% 5.7%	MN 20.0% 10.6% 3.3%	IL 19.6% 10.2% 2.8%	MI 19.0% 10.2% 4.3%	NY 19.9% 9.8% 3.7%	MA 21.8% 10.8% 3.2%	RI 20.0% 8.7% 3.8%
OR 19.9% 10.3% 3.6%	NV 17.3% 10.0% 2.7%	WY 21.1% 11.4% 4.0%	SD 20.6% 11.7% 5.1%	IA 18.7% 9.5% 3.3%	IN 20.2% 9.8% 3.2%	OH 19.6% 9.9% 3.2%	PA 20.3% 9.9% 3.1%	NJ 20.0% 10.6% 3.4%	CT 22.8% 12.6% 4.7%
CA 20.2% 10.7% 2.7%	UT 18.1% 9.6% 3.3%	CO 20.9% 10.2% 4.4%	NE 21.1% 9.3% 4.1%	MO 18.2% 8.8% 2.8%	KY 19.8% 10.5% 3.7%	WV 21.6% 12.9% 6.7%	VA 18.6% 11.4% 3.2%	MD 19.7% 9.6% 3.3%	DE 19.3% 11.1% 2.8%
AZ 19.1% 10.7% 2.9%	NM 20.5% 13.0% 5.3%	KS 20.0% 9.0% 3.0%	AR 20.9% 10.8% 3.9%	TN 19.5% 9.1% 4.1%	NC 18.9% 10.3% 3.5%	SC 16.1% 9.7% 2.7%	DC 27.5% 11.4% 4.7%		
		OK 20.6% 11.6% 4.5%	LA 19.2% 10.4% 4.7%	MS 20.5% 9.9% 3.0%	AL 19.1% 9.1% 2.5%	GA 19.0% 9.1% 2.6%			
		TX 17.6% 9.8% 3.6%					FL 20.2% 10.4% 4.5%		PR 22.1% 7.8% 2.7%

As of Feb 12

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

US deep-dive

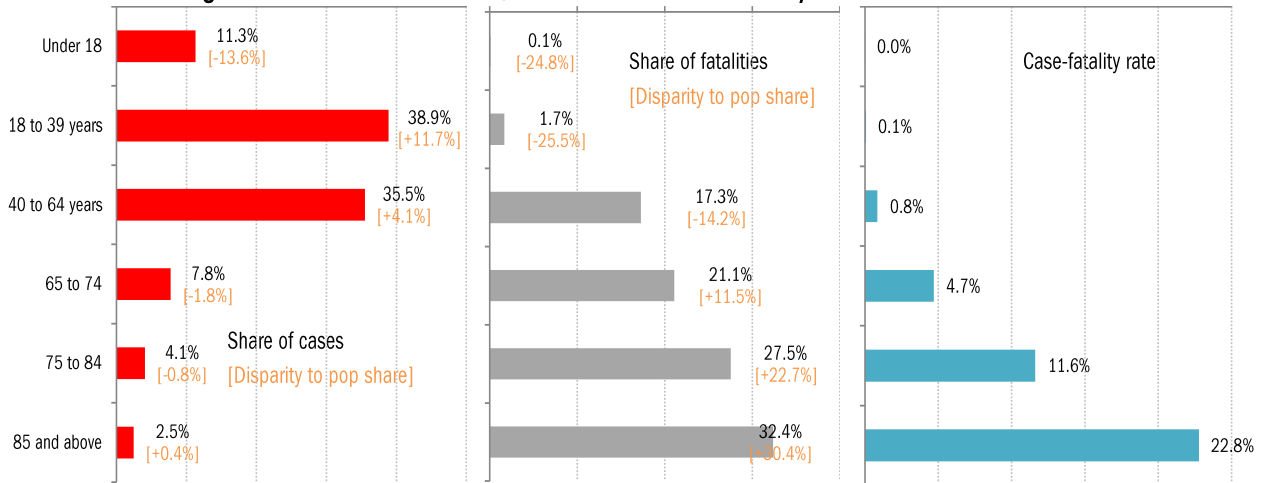
National and state-by-state data do not line up because of different sources



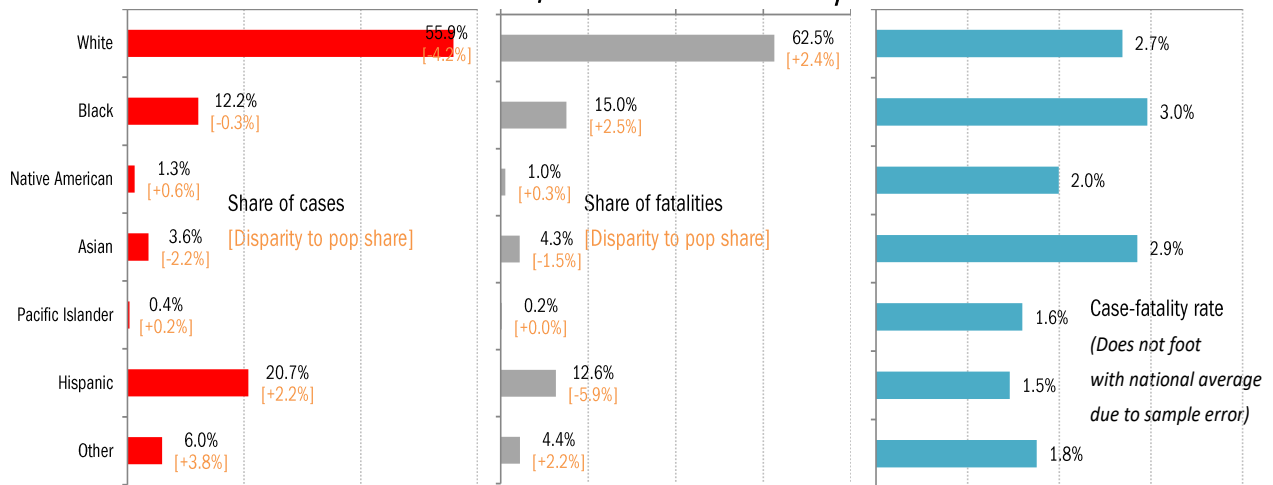
Source: [Covid Tracking Project](https://covidtracking.com/), TrendMacro calculations

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

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

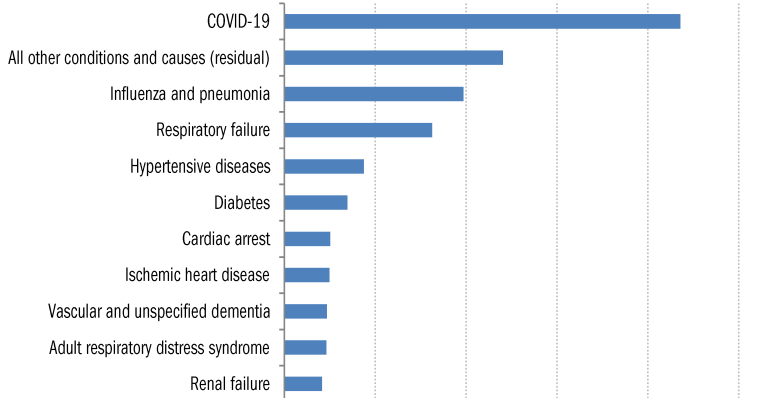


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Feb 7

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

[A million American mothers are out of work](#)

Erica Pandey
Axios
February 10, 2021

[COVID Cases In Long Term Care Facilities Declining As New Data Indicates The Vaccine May Reduce Spread](#)

AHCA/NCAL
February 4, 2021

[China Refuses to Give WHO Raw Data on Early Covid-19 Cases](#)

Jeremy Page and Drew Hinshaw
Wall Street Journal
February 12, 2021

[New Allegations of Cover-Up by Cuomo Over Nursing Home Virus Toll](#)

Jesse McKinley and Luis Ferré-Sadurní
New York Times
February 12, 2021

[Americans' Saved-Up Stimulus Checks Could Bring Economic Boost](#)

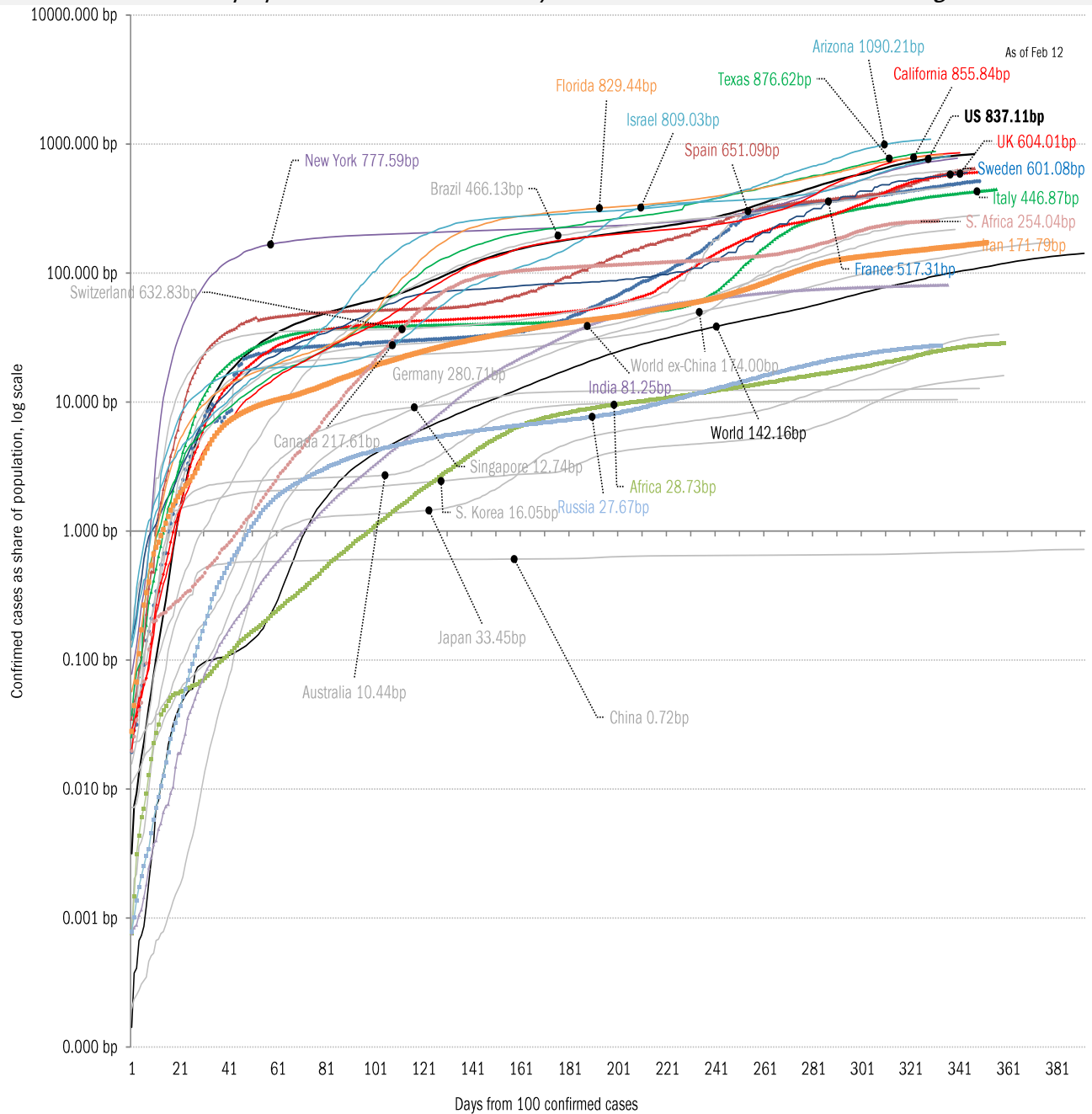
Misyrlena Egkolfopoulou and Julia Fanzeres
Bloomberg
February 11, 2021

Meme of day



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

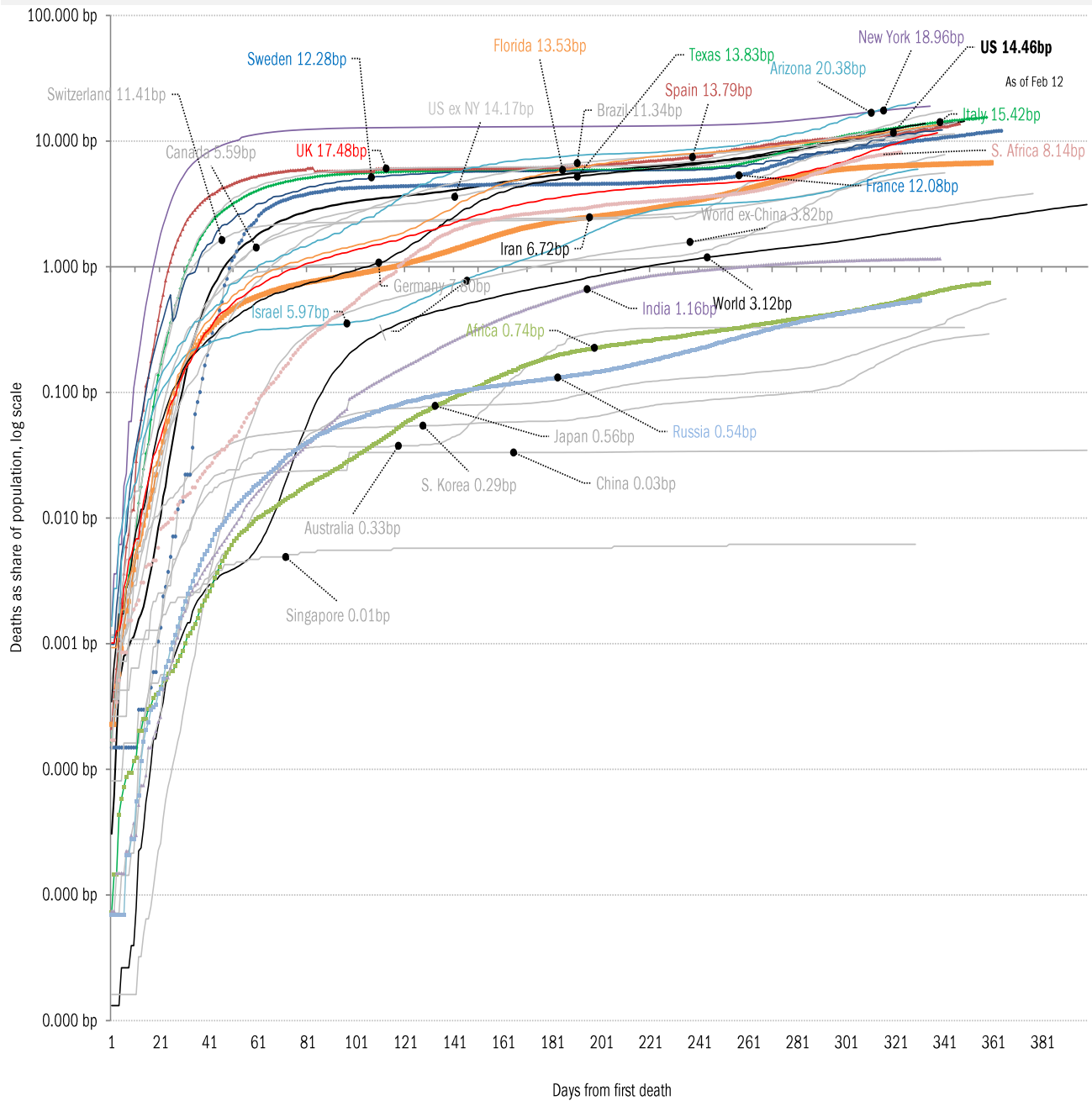
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

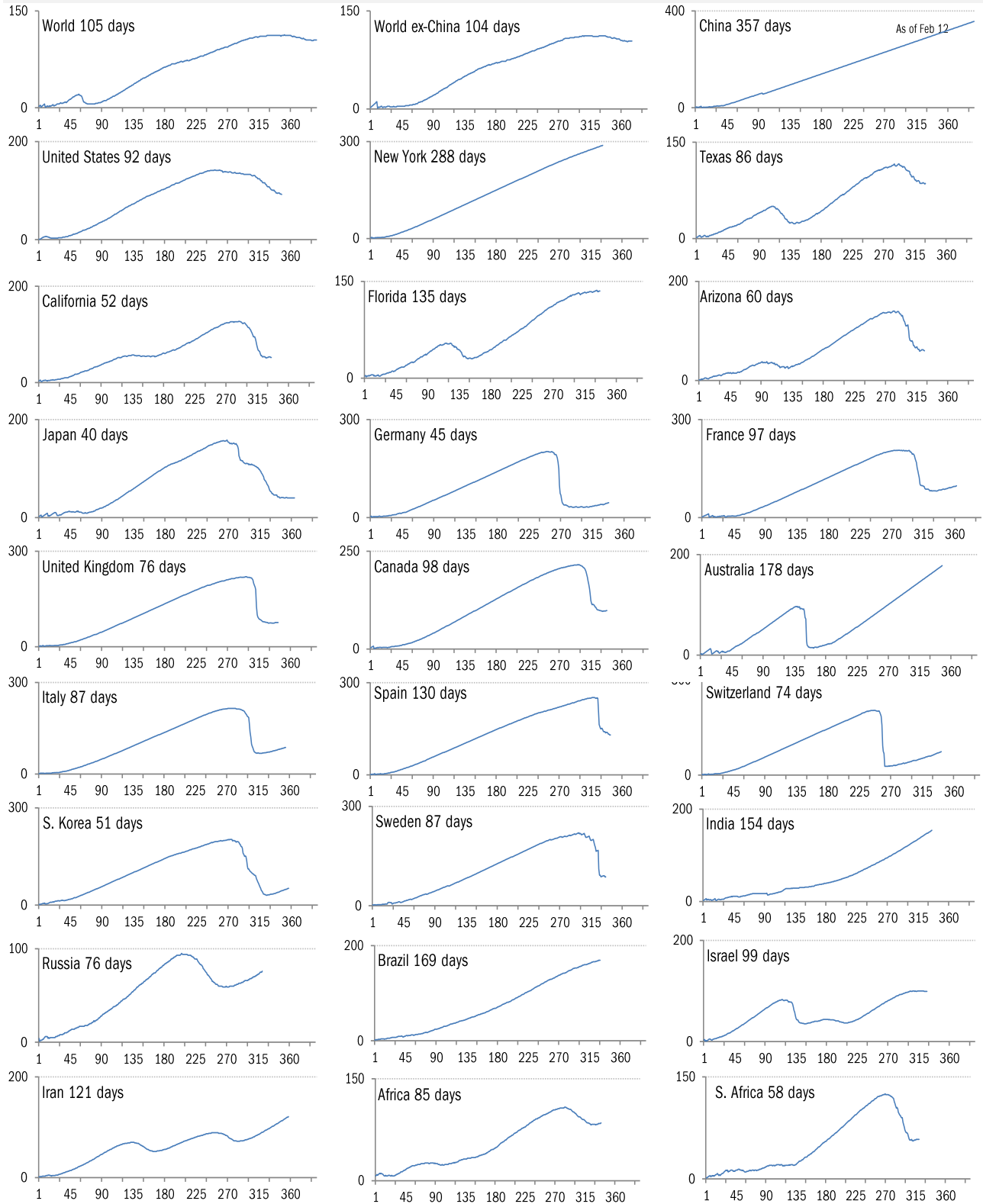


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"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

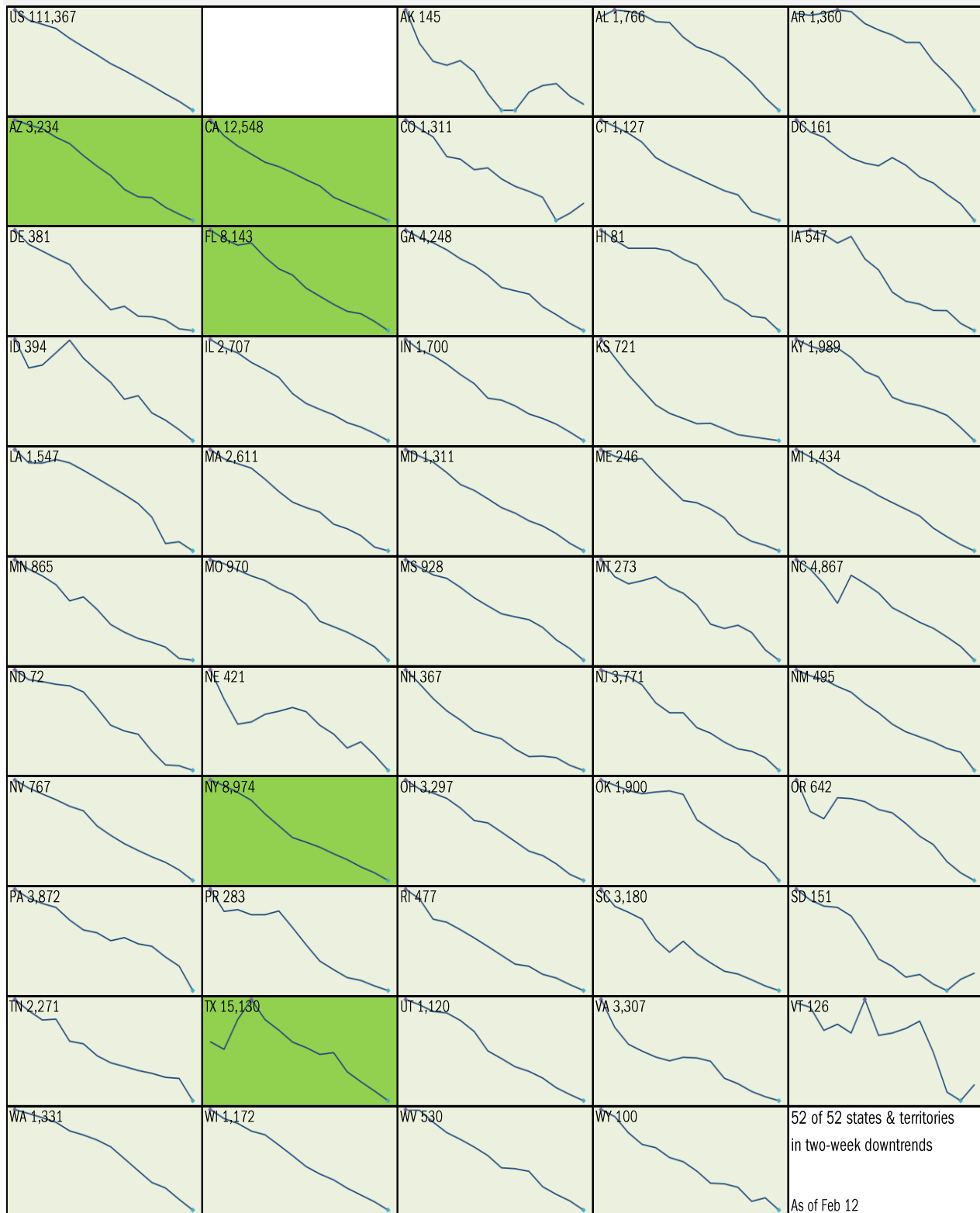


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

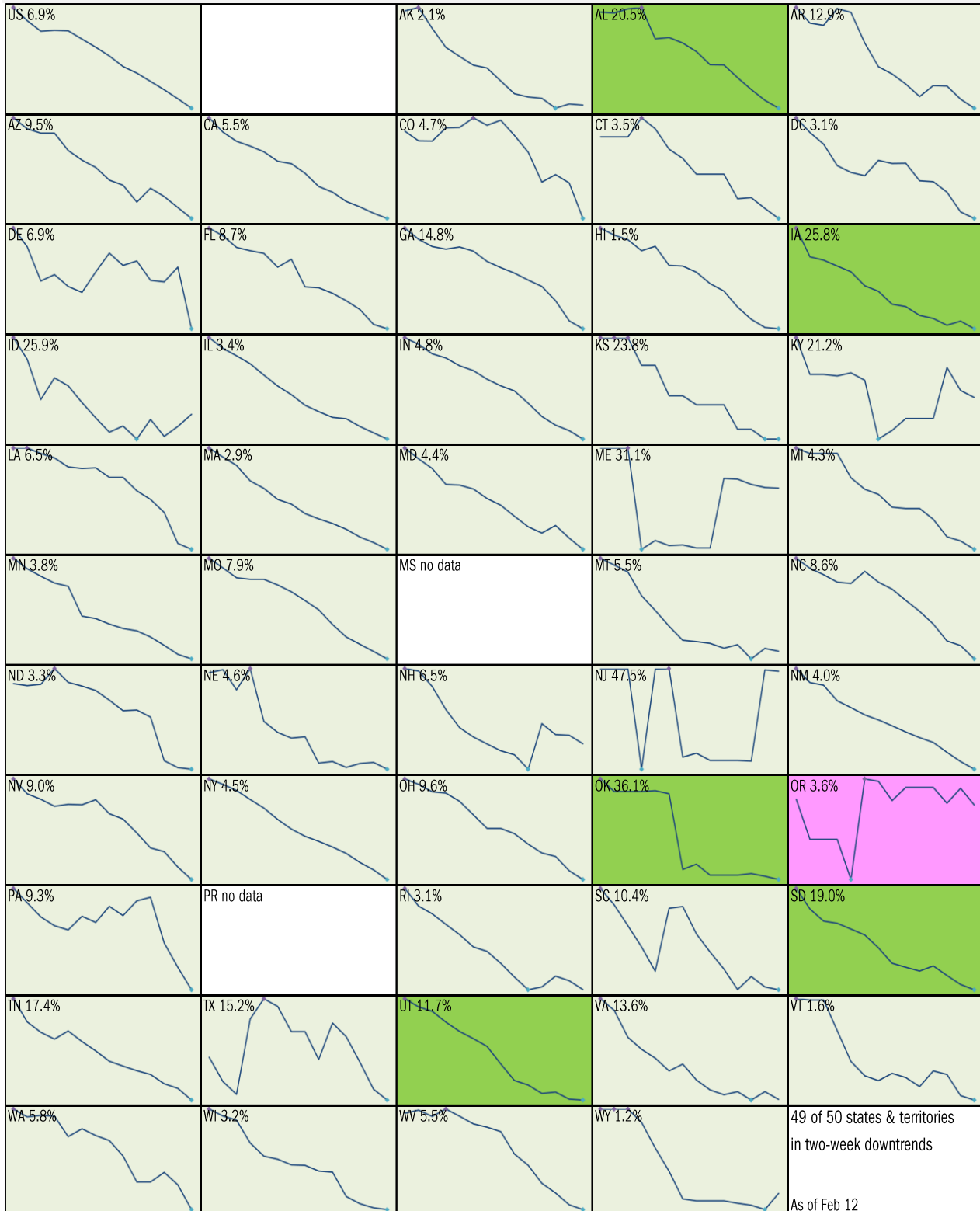


Source: [Covid Tracking Project](#), TrendMacro calculations

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

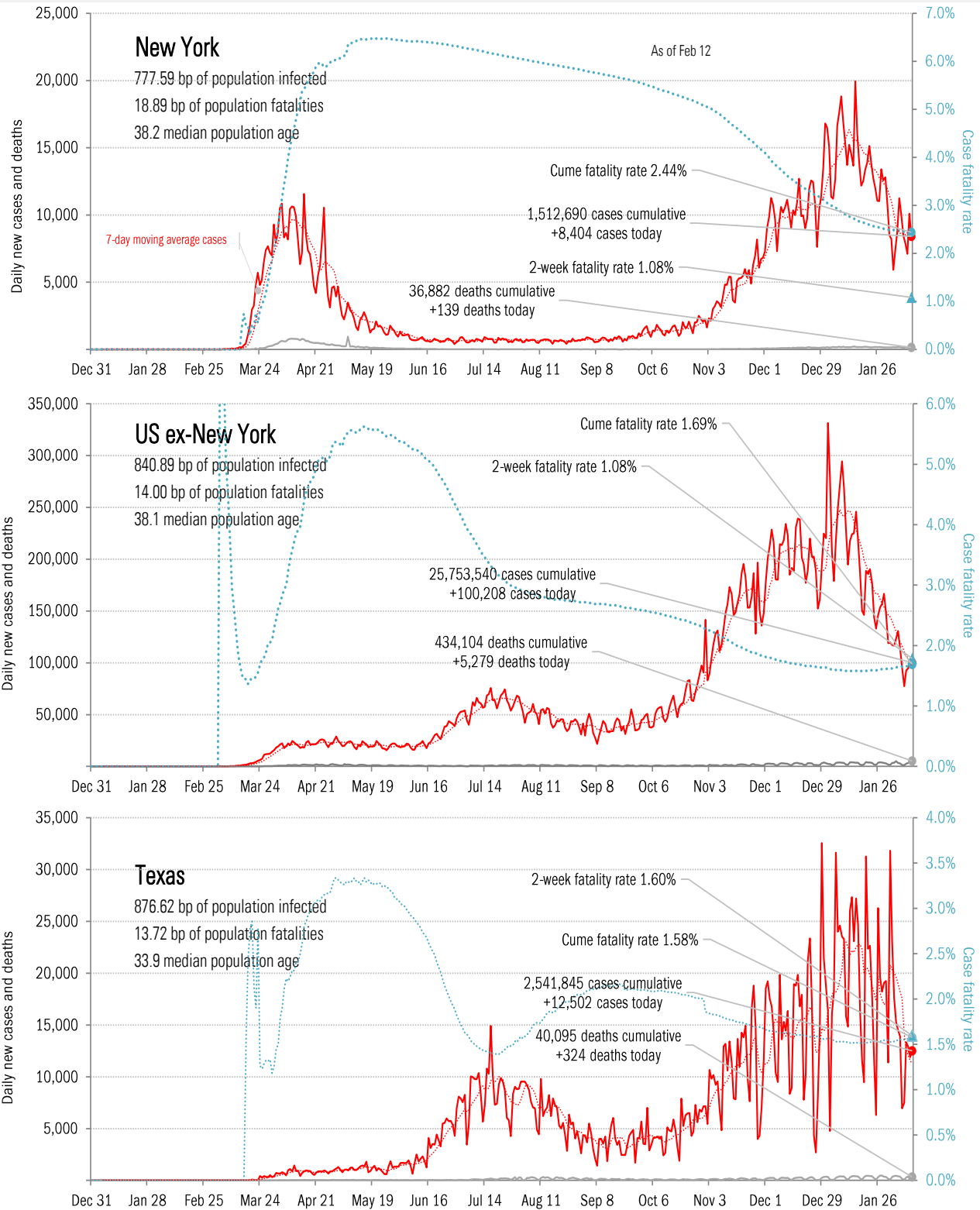
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



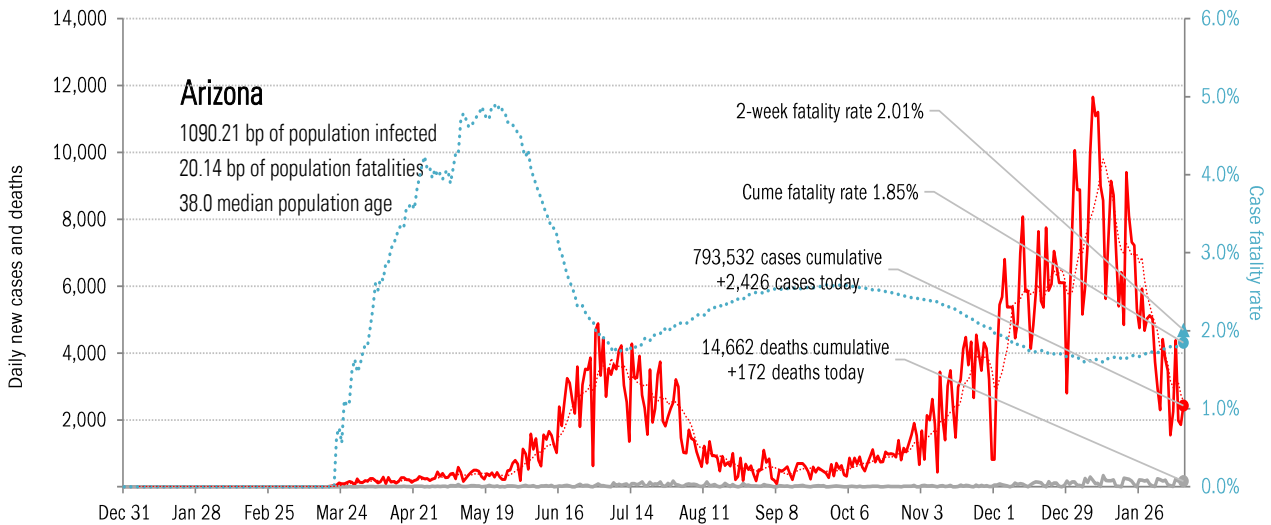
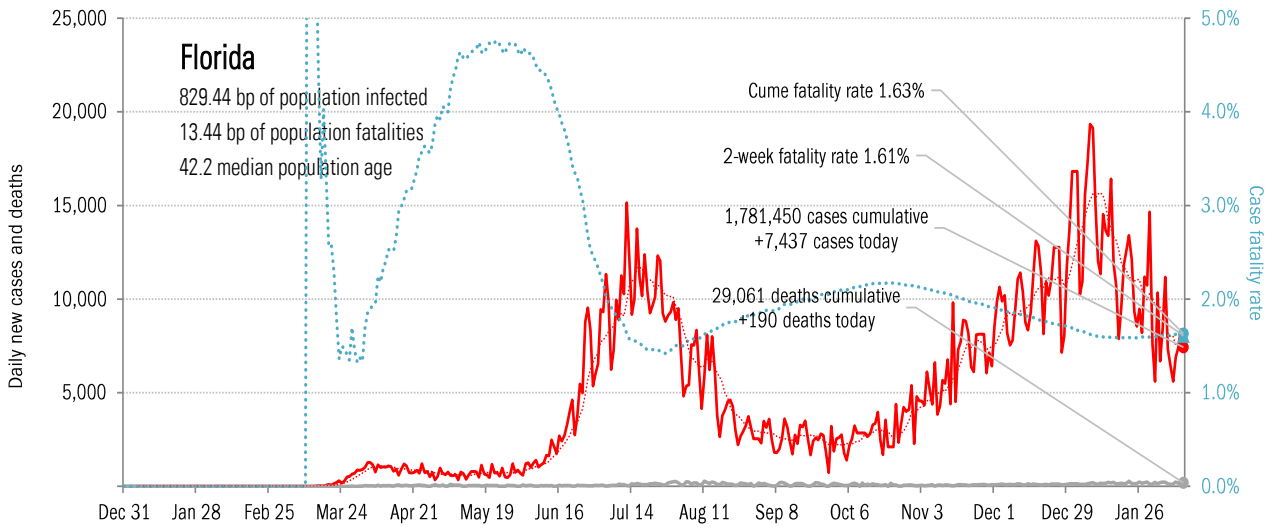
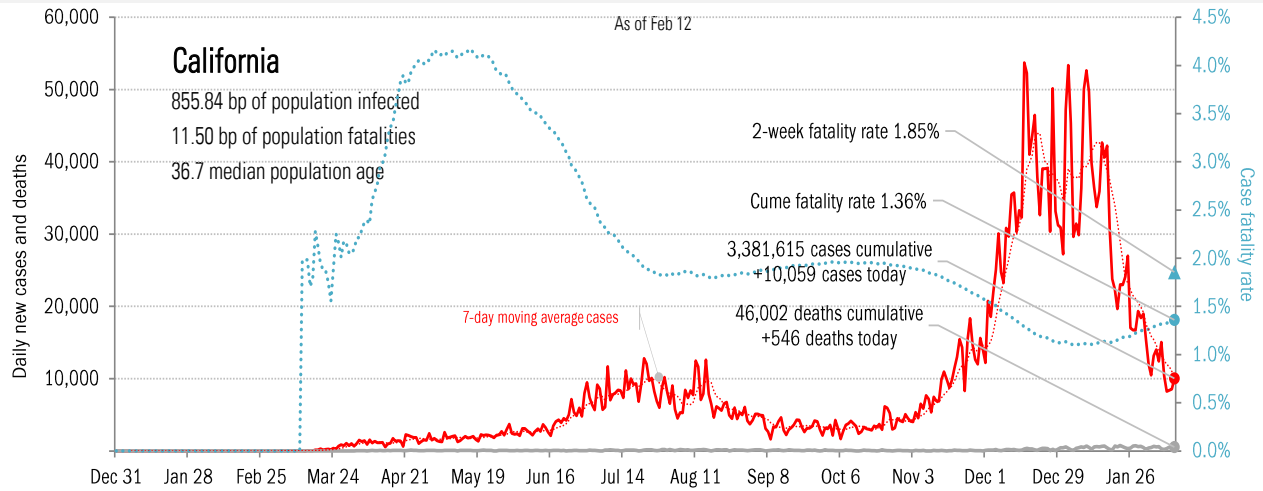
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



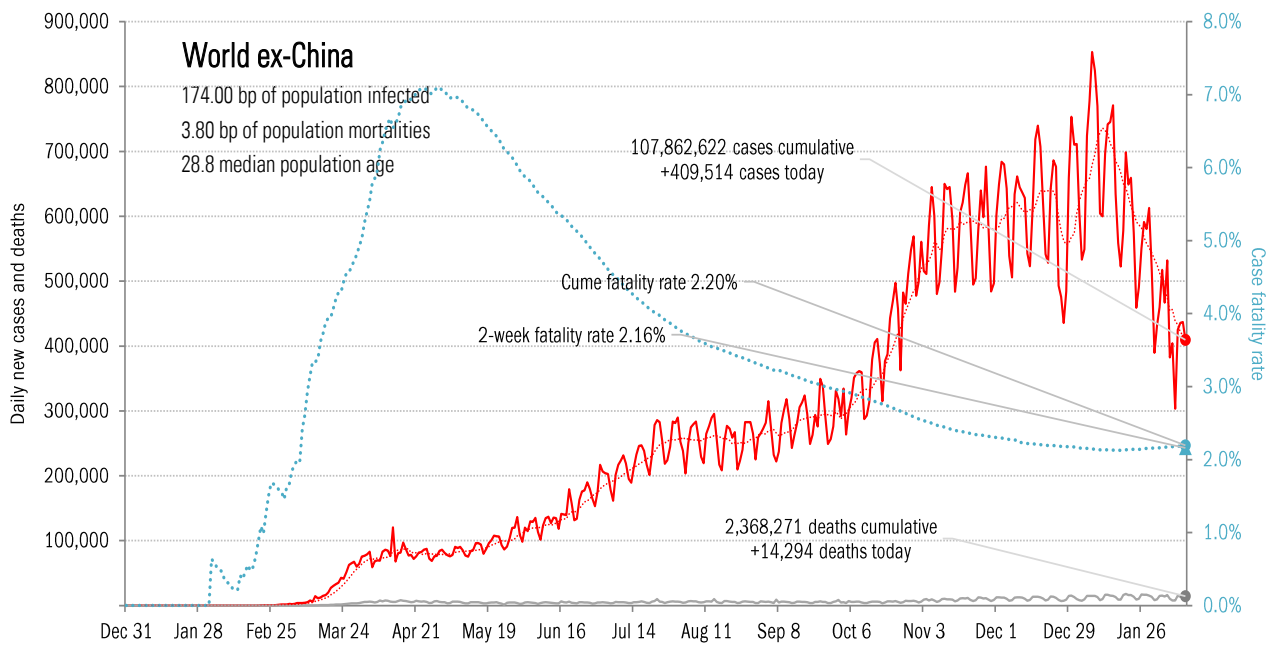
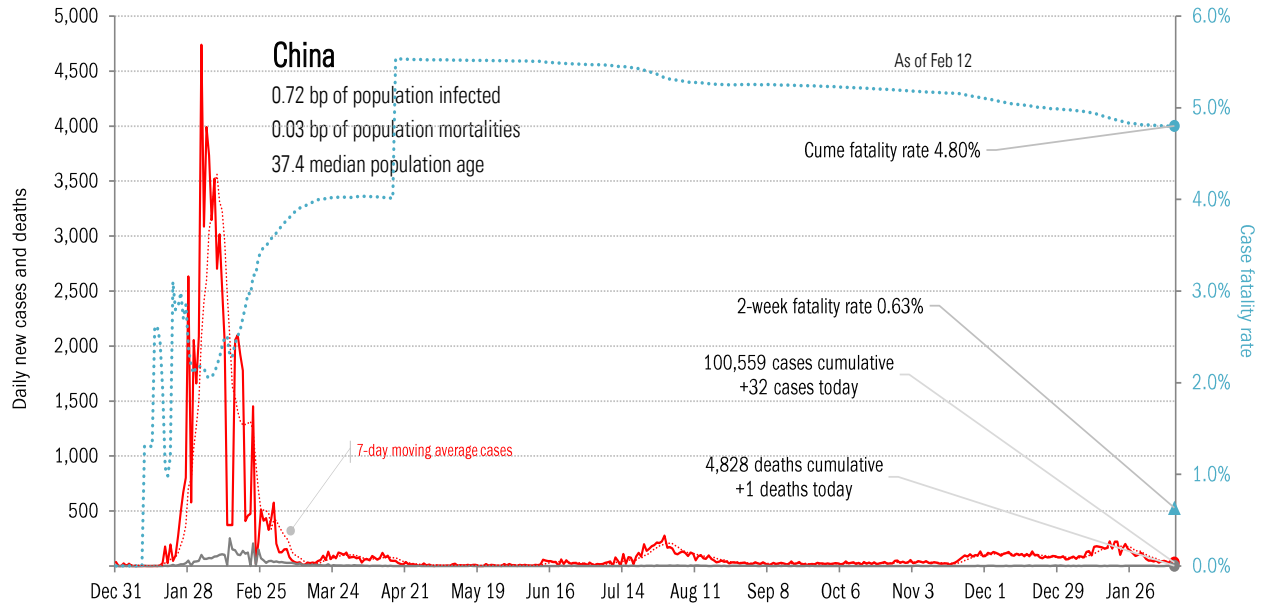
Source: [Covid Tracking Project](#), TrendMacro calculations

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



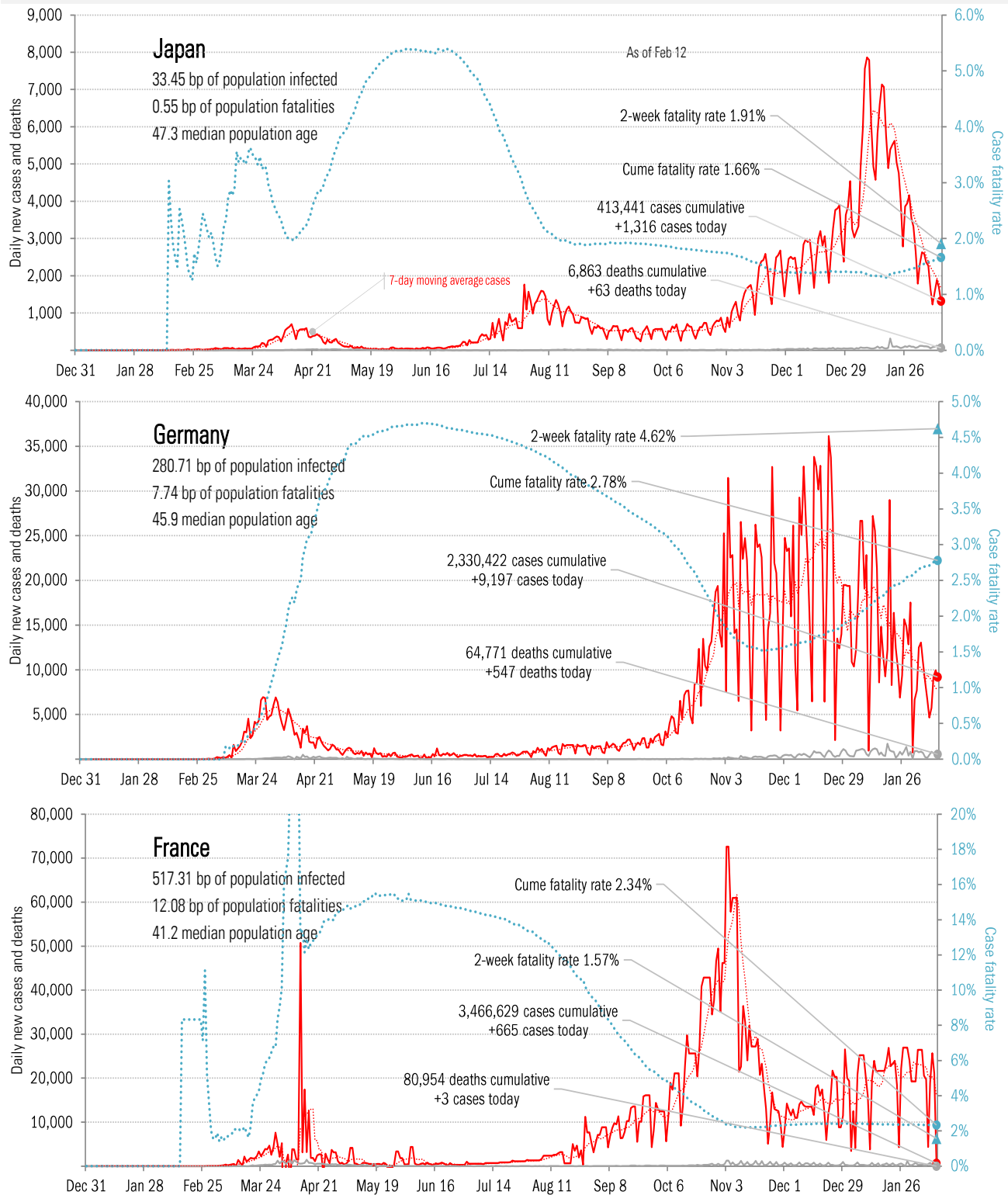
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



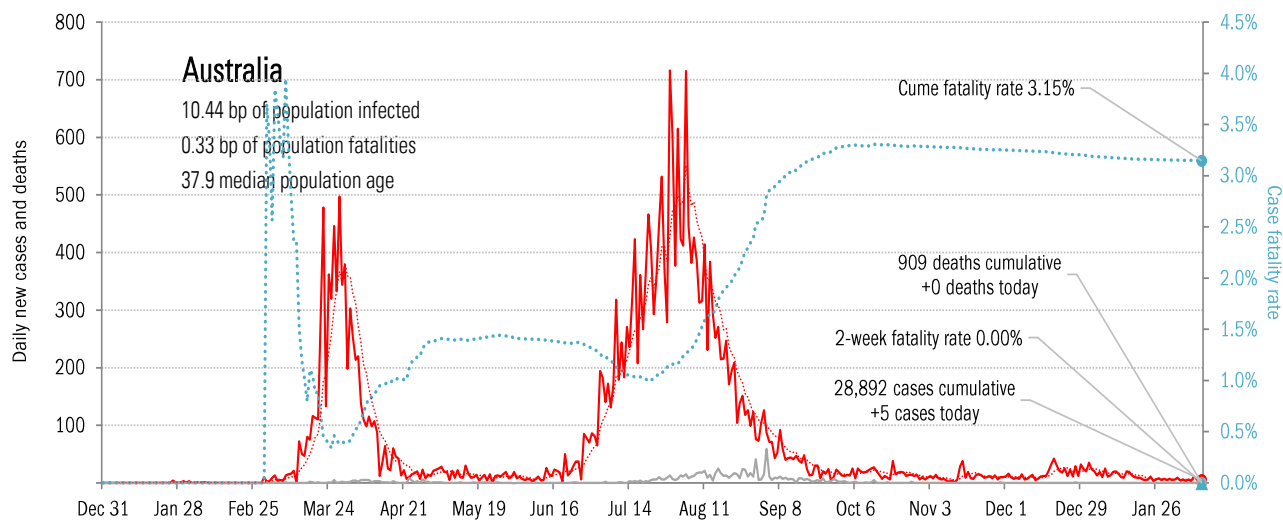
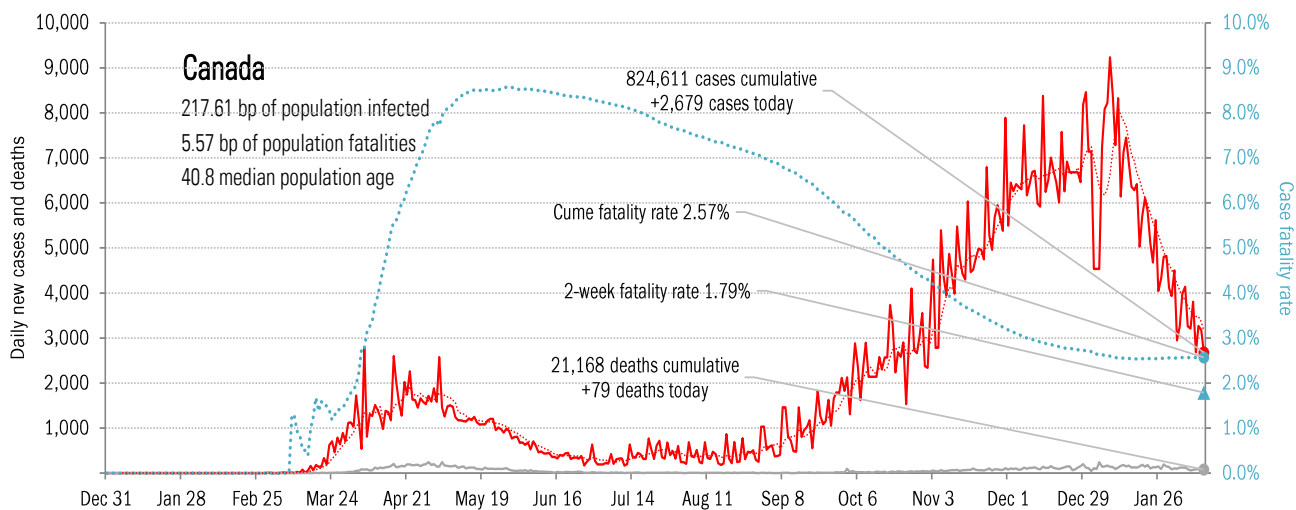
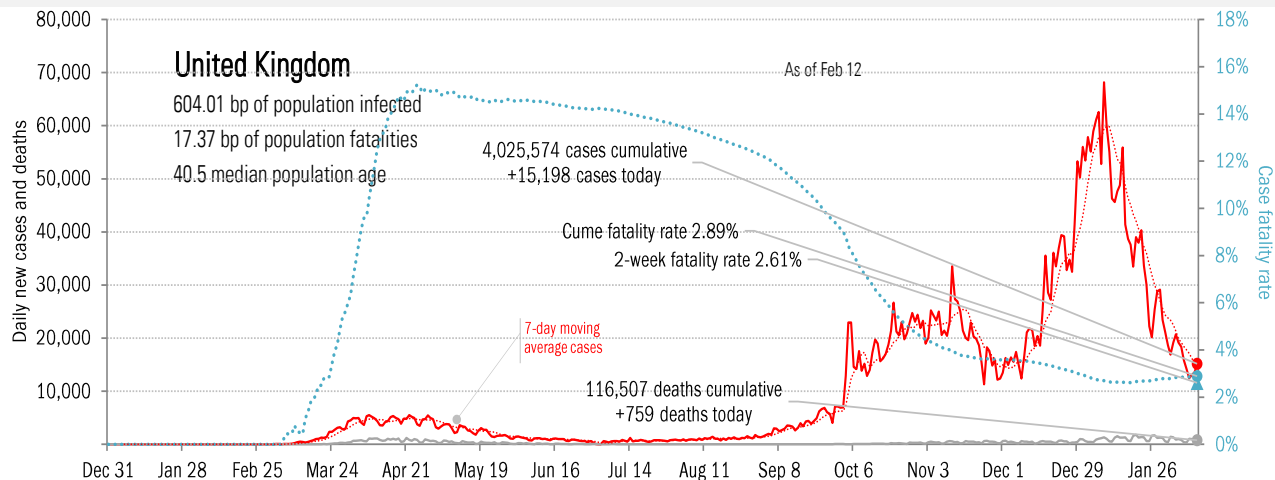
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



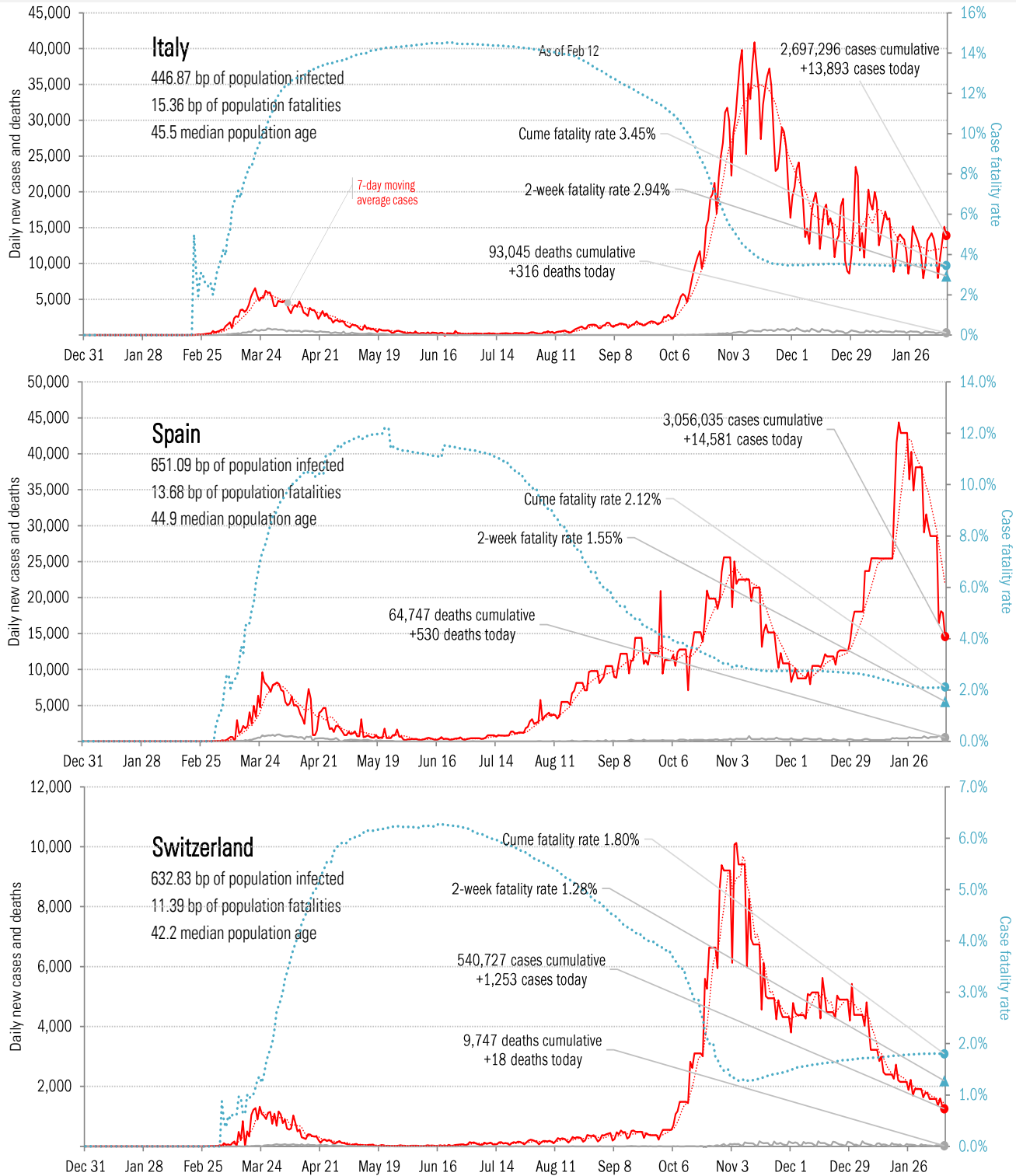
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



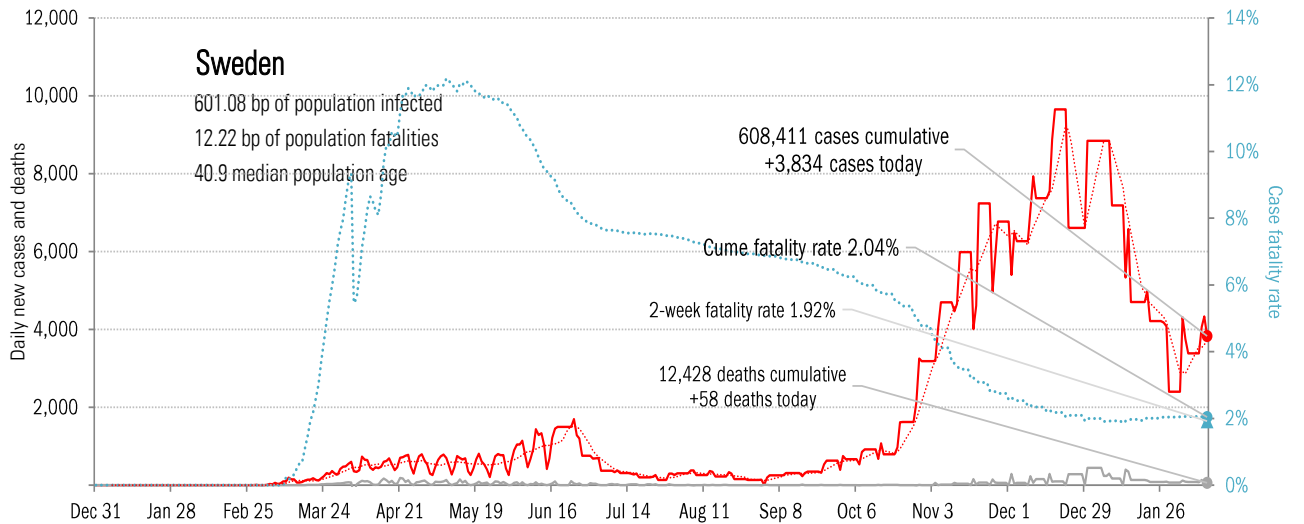
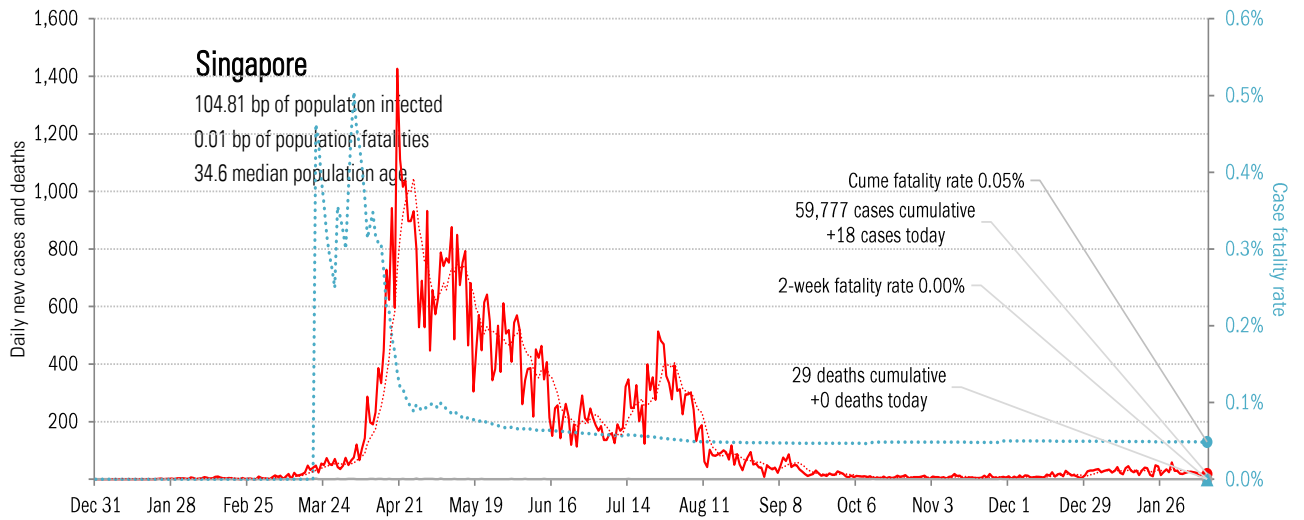
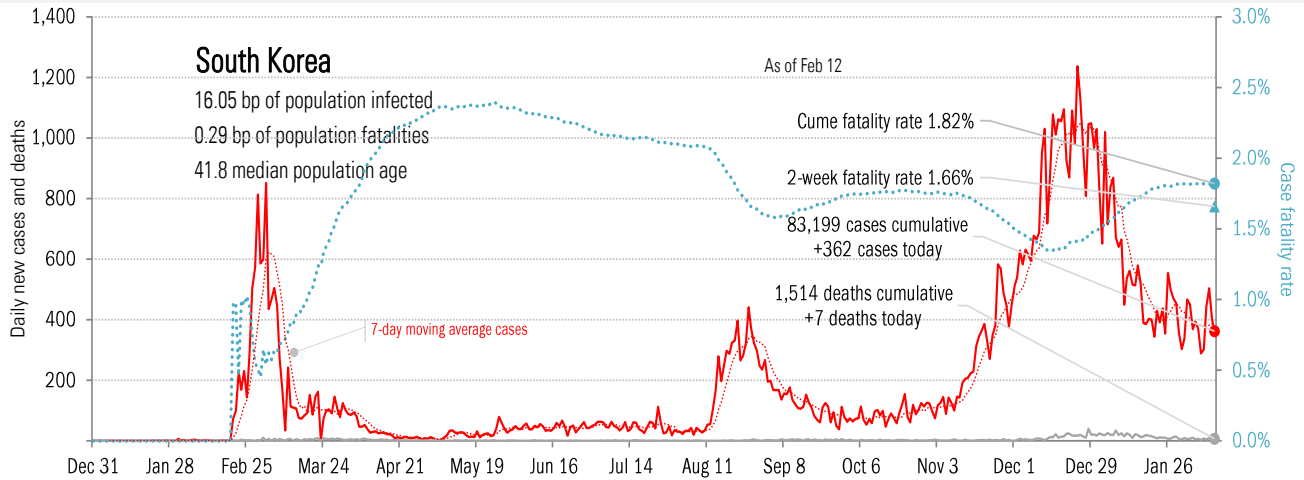
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



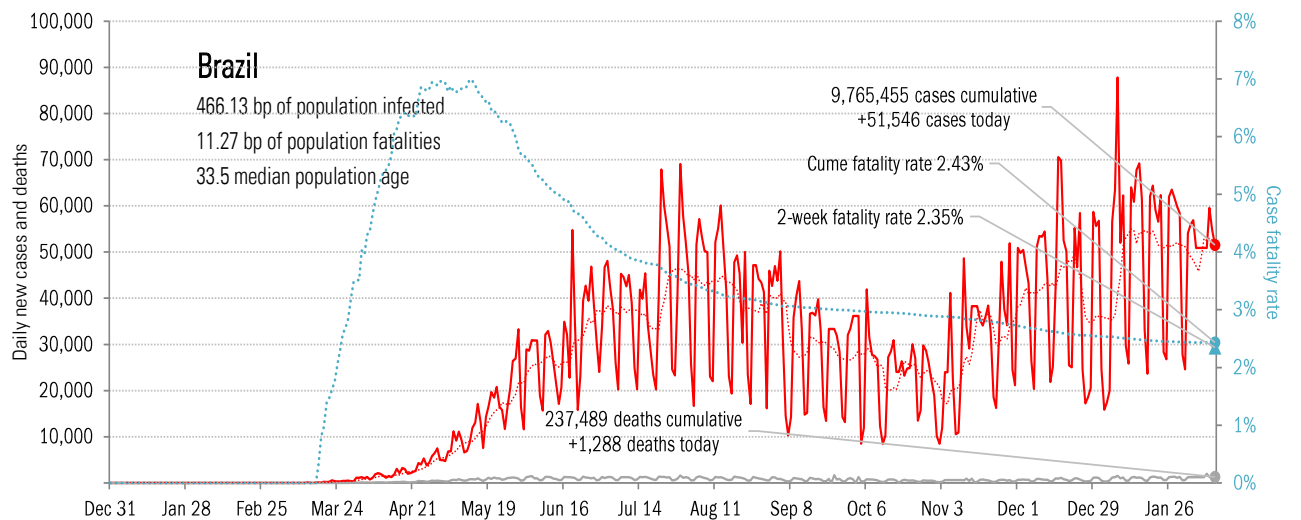
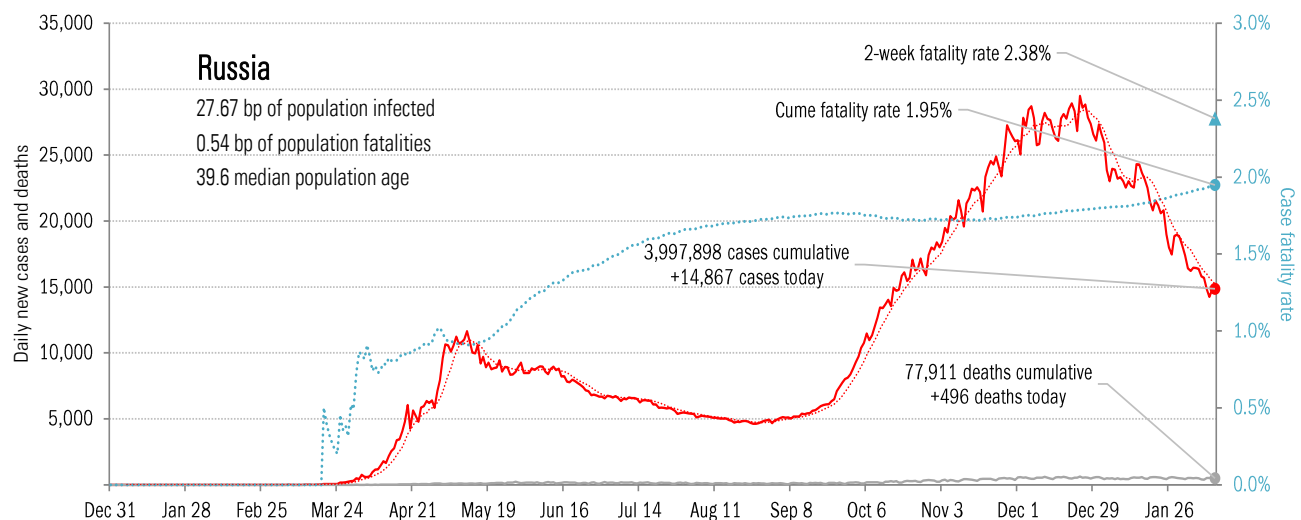
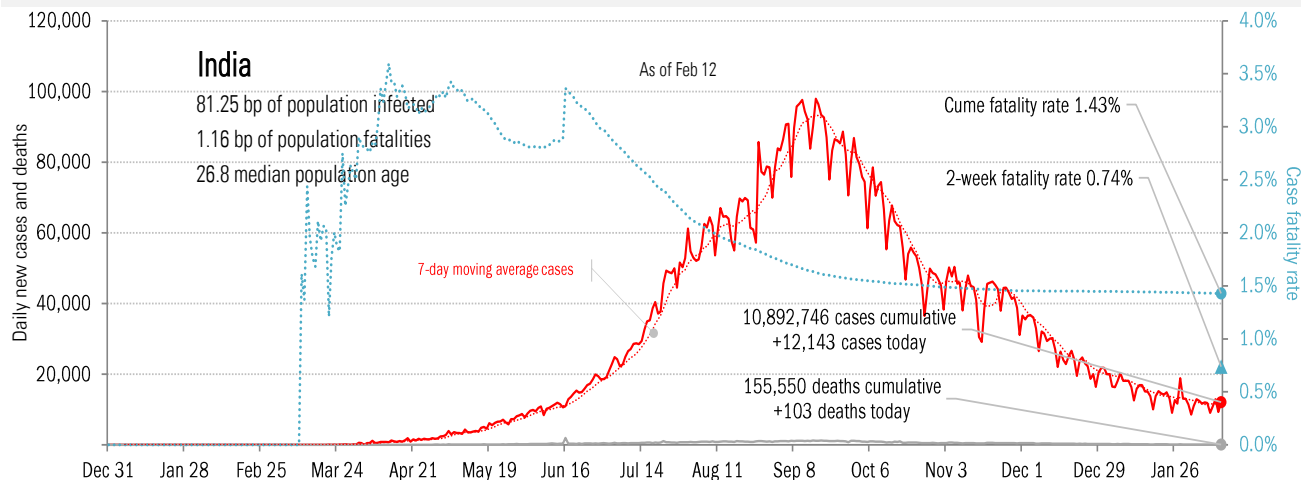
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



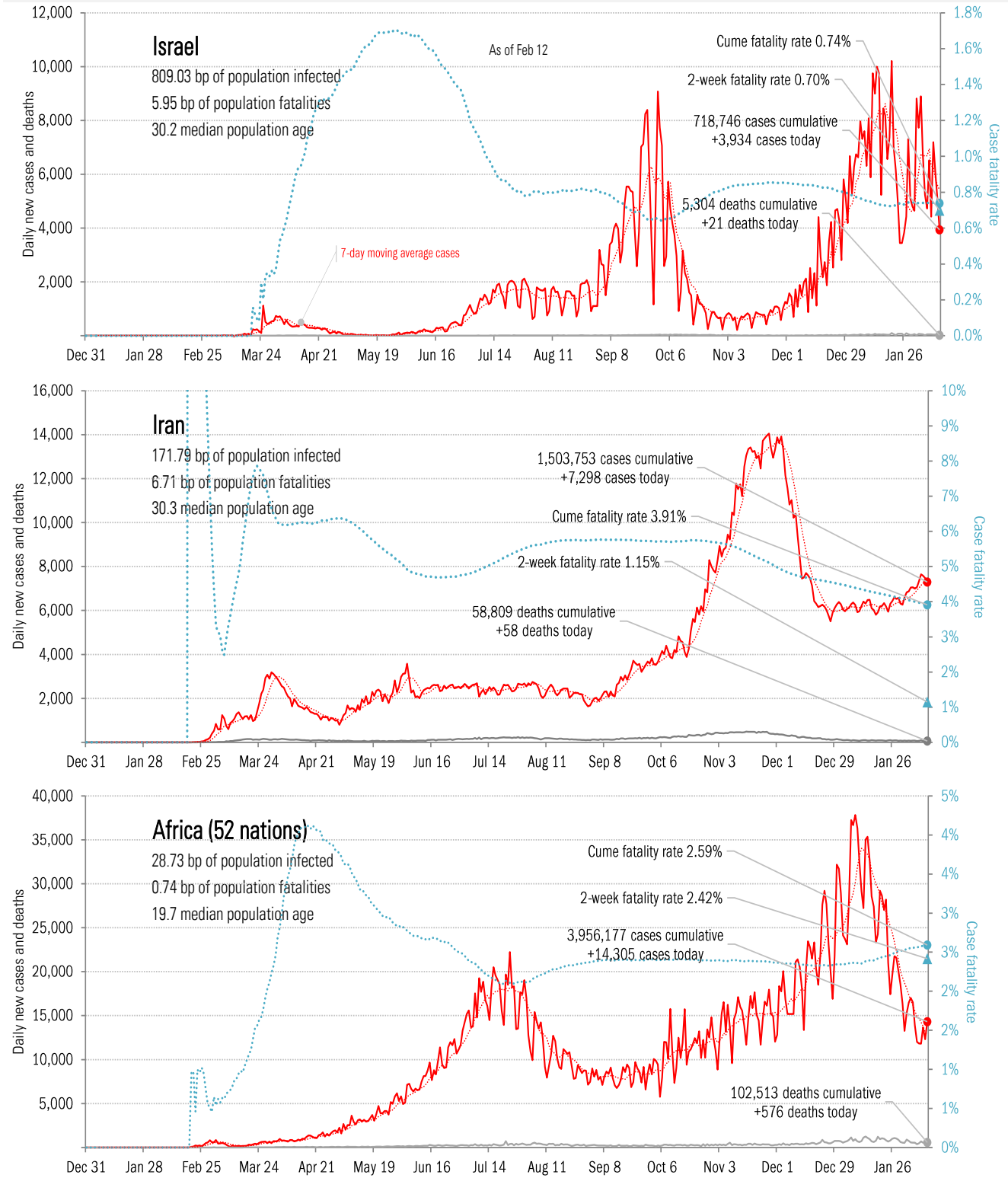
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



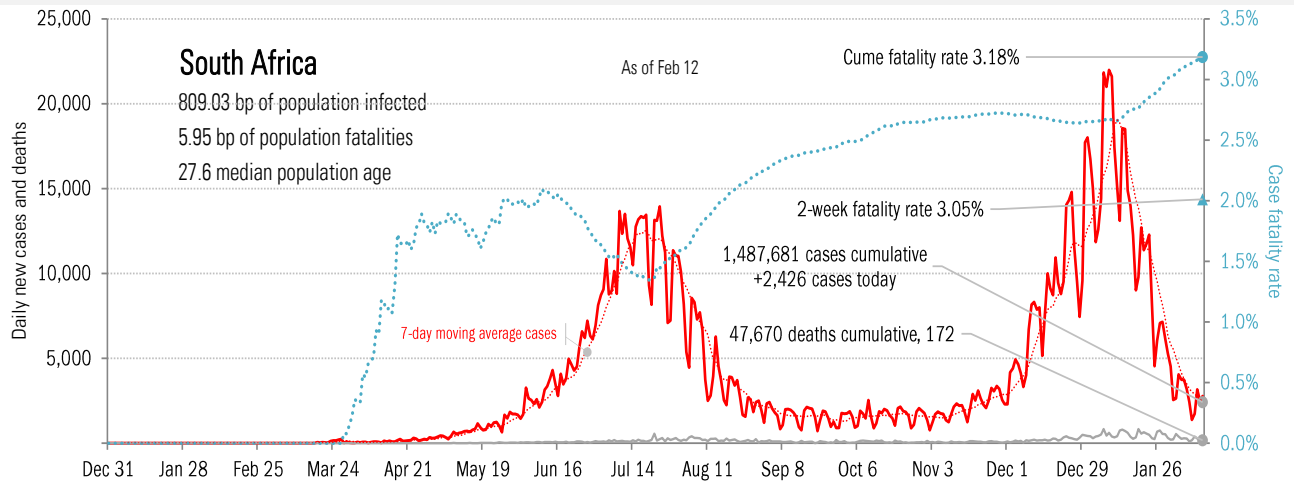
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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