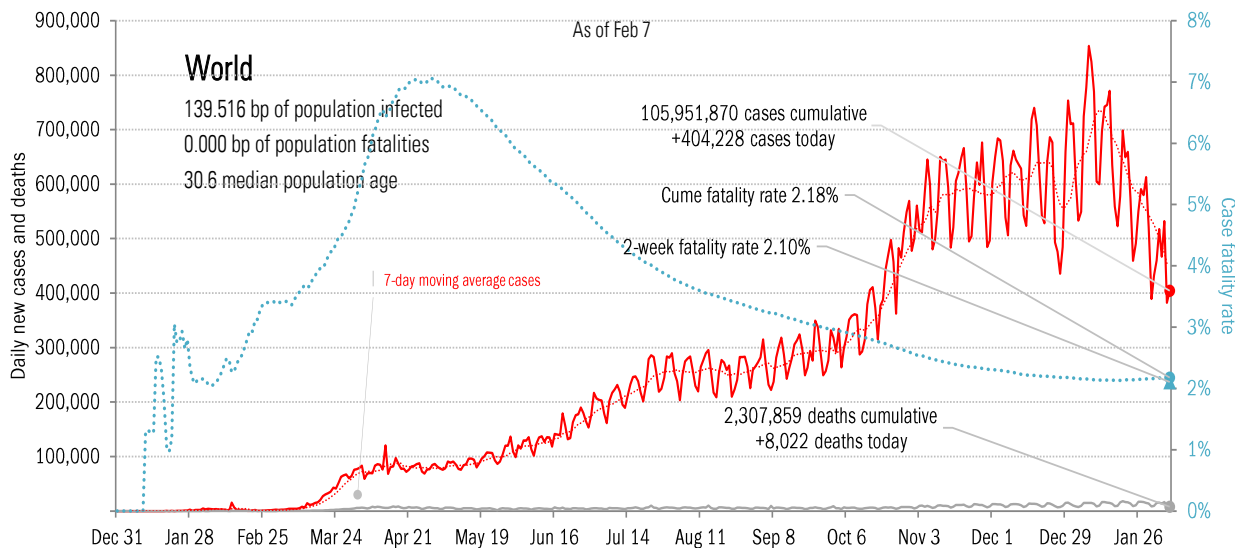
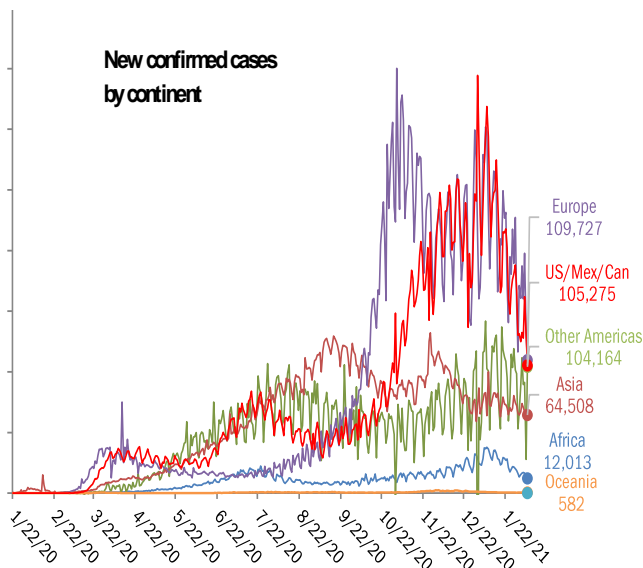


Data Insights: Covid-2019 Monitor

Monday, February 8, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+96,003	Brazil	+1,500
Brazil	+77,475	United States	+1,474
France	+19,715	Russia	+420
United Kingdom	+15,904	Mexico	+414
Russia	+15,808	United Kingdom	+376
Peru	+13,653	Peru	+375
India	+11,831	Colombia	+300
Italy	+11,640	Italy	+270
Indonesia	+10,827	Portugal	+204
Iran	+7,065	France	+171
+279,921		+5,504	
World	+404,228	World	+8,022
Top ten	69%	Top ten	69%



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

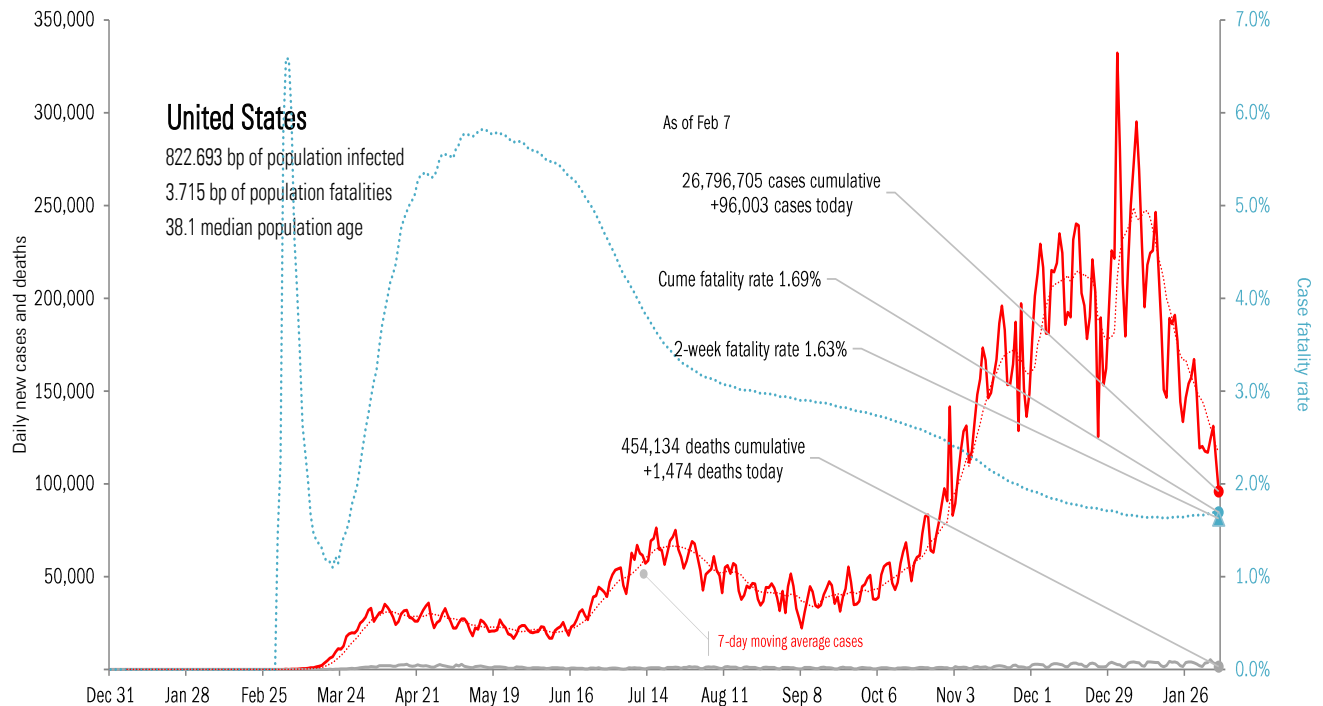
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+15,064		CA	+295		AR	+31		CA	3,335,926		CA	43,942		NY	89,995		RI	101%	GA	89%
NY	+10,025		TX	+167		ID	+8		TX	2,483,742		TX	38,643		FL	75,515		GA	82%	AL	88%
TX	+6,959		NY	+145		FL	+4		FL	1,745,744		NY	36,224		NJ	61,523		SC	81%	RI	87%
FL	+6,468		FL	+103		ND	+3		NY	1,470,772		FL	28,161		AZ	54,657		MA	80%	TX	85%
PA	+4,717		MA	+78		NH	+3		IL	1,146,341		PA	22,467		GA	51,842		CA	80%	OK	84%
NC	+4,674		PA	+71		VT	+3		GA	940,991		NJ	21,989		CH	47,538		CT	80%	CA	84%
NJ	+4,332		IN	+65		WV	+3		CH	920,217		IL	21,738		AL	43,005		FL	80%	NC	84%
GA	+3,589		IL	+62		DC	+1		PA	870,321		MI	15,854		IN	41,034		MD	79%	DC	84%
SC	+3,392		NC	+57		GJ	+1		NC	796,195		GA	15,092		MD	33,065		MO	79%	FL	83%
MA	+3,107		OK	+52		AK	+0		AZ	780,637		MA	14,999		WI	24,885		PA	78%	MO	82%
+62,327			+1,095			+57			14,490,886			259,109			523,059						
All states	+96,003		+1,474			-2794			All states	26,796,705		454,134			826,306			All states	74%		75%
Top ten	65%		74%			-2%			Top ten	54%		57%			63%			Median	72%		73%

Some states not reporting

Five most improved US states

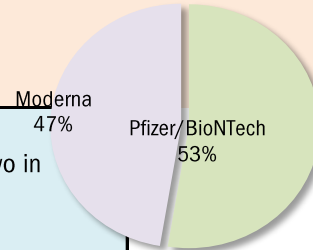
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-6,938	CA	-328	GA	-499	TX	+10,928
AZ	-1,927	GA	-230	NJ	-128	CH	+4,900
VA	-1,760	TX	-181	CA	-126	TN	+2,066
CH	-1,411	MI	-104	LA	-109	OK	+1,754
NY	-1,227	PA	-86	VA	-86	SC	+1,587



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
59.31 million doses distributed	+0.00 million/day
41.21 million doses administered	+2.17 million/day
31.58 million persons with one or more shot	+1.33 million/day
9.15 million persons with two or more shots	+0.83 million/day
4.84 million shots long-term care residents/staff	+0.21 million/day
69.5% of distributed doses administered	
12.6% of US pop at least 1 shot	2.8% 2 shots
100% of LTC at least 1 shot	24.6% 2 shots



At today's dosing pace,
every American will have two in
283 days
by Nov 17, 2021
US will achieve herd immunity in
138 days
by Jun 24, 2021

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

AK
34.0%
14.5%
5.4%

ME
18.9%
9.8%
3.3%

WI
15.9%
10.0%
2.6%

VT
18.6%
9.8%
4.2%

NH
19.0%
8.8%
3.4%

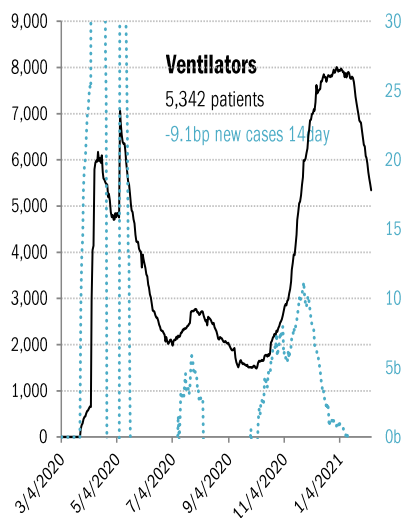
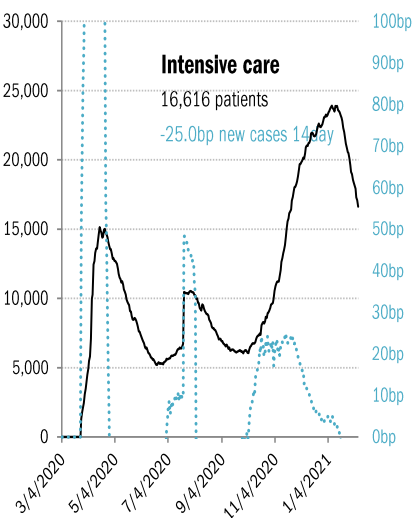
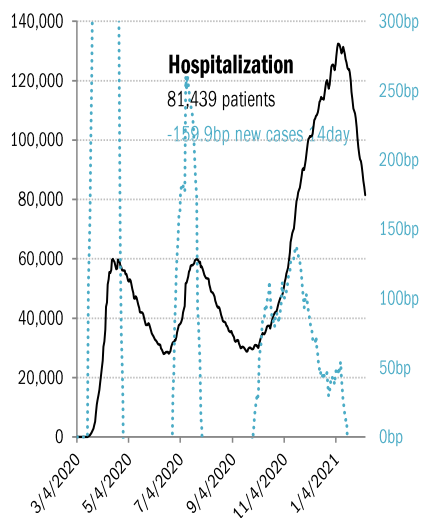
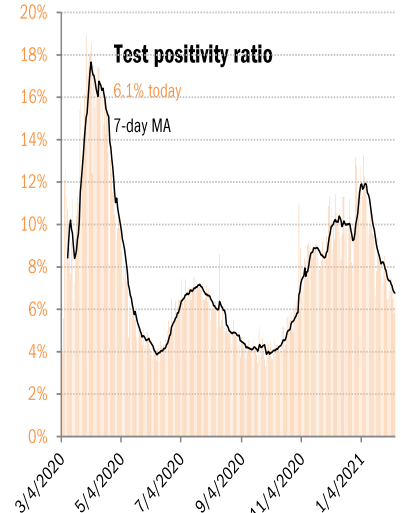
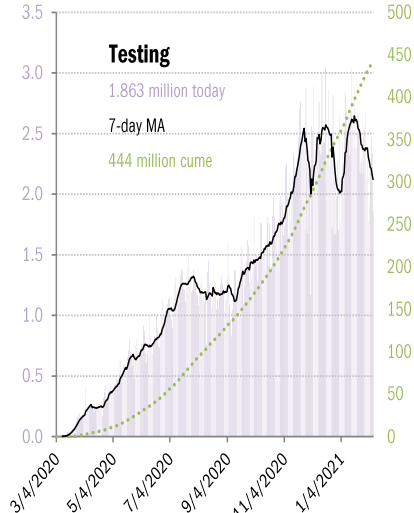
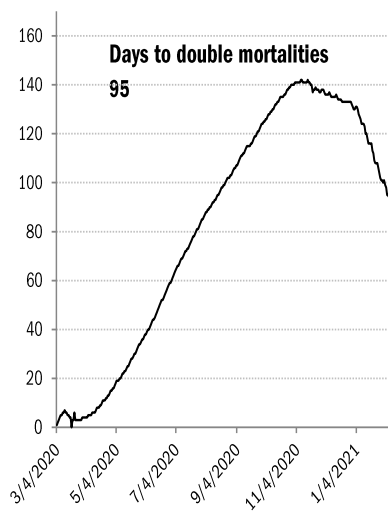
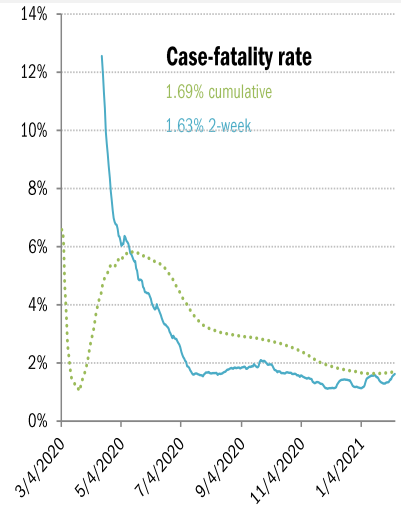
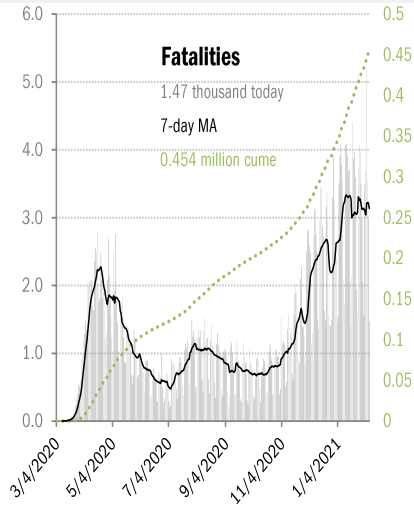
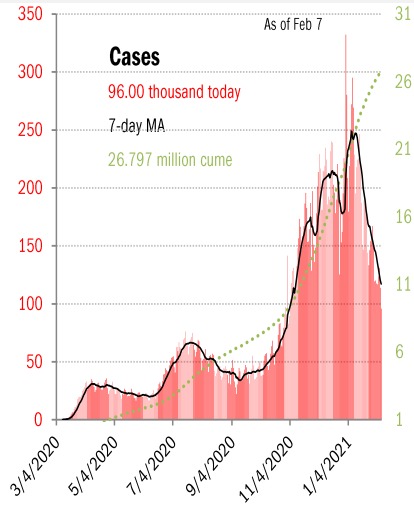
WA 15.9% 9.3% 2.4%	ID 14.9% 7.9% 1.9%	MT 15.3% 9.5% 3.4%	ND 17.3% 11.2% 4.9%	MN 16.9% 9.4% 2.8%	IL 16.5% 8.6% 2.3%	MI 16.4% 9.3% 3.1%	NY 17.4% 8.9% 2.7%	MA 18.1% 8.8% 2.5%		
OR 17.4% 9.5% 3.1%	NV 13.9% 8.8% 2.0%	WY 17.6% 9.7% 2.6%	SD 18.2% 10.4% 4.5%	IA 16.2% 7.5% 2.8%	IN 16.6% 8.8% 2.3%	OH 16.3% 8.6% 2.4%	PA 17.9% 8.5% 2.5%	NJ 16.7% 9.2% 2.4%	CT 20.8% 11.3% 3.5%	RI 18.2% 7.9% 3.2%
CA 17.6% 9.2% 2.0%	UT 15.4% 8.9% 2.8%	CO 17.2% 9.2% 3.4%	NE 17.9% 8.5% 3.4%	MO 15.7% 7.8% 2.3%	KY 16.7% 9.5% 2.7%	WV 19.9% 12.1% 5.8%	VA 16.3% 10.3% 2.3%	MD 17.0% 8.6% 2.4%	DE 16.6% 10.1% 2.5%	
AZ 16.3% 9.0% 2.1%	NM 17.4% 11.7% 4.0%	KS 16.9% 7.9% 2.3%	AR 17.9% 9.9% 3.0%	TN 16.9% 8.0% 3.6%	NC 16.4% 9.3% 2.5%	SC 13.3% 8.8% 2.2%	DC 23.7% 10.4% 3.7%			
OK 18.6% 10.7% 3.7%	LA 16.6% 9.3% 3.6%	MS 17.3% 8.9% 1.9%	AL 16.4% 7.7% 1.8%	GA 15.9% 8.6% 2.0%						
HI 18.6% 9.7% 2.9%	TX 15.2% 8.5% 2.7%	FL 17.7% 9.2% 2.9%	PR 19.5% 7.2% 2.2%							

As of Feb 7

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

US deep-dive

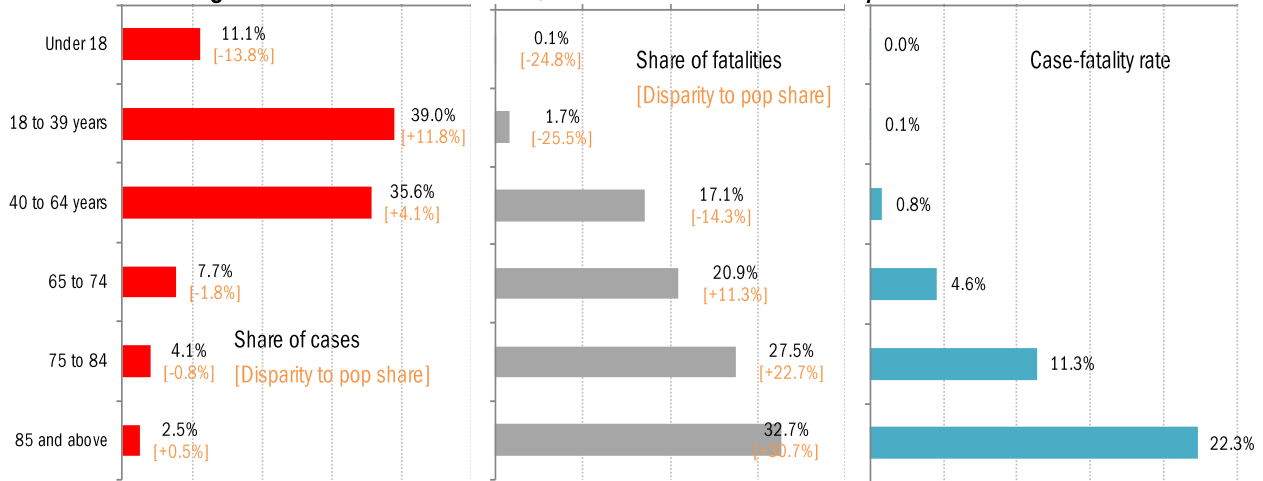
National and state-by-state data do not line up because of different sources



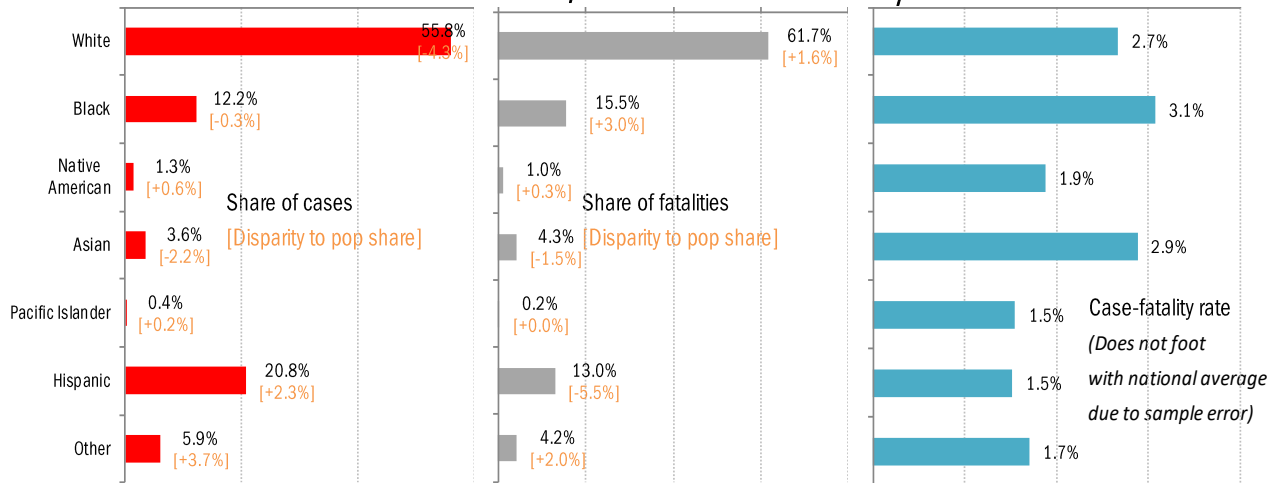
Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

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

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

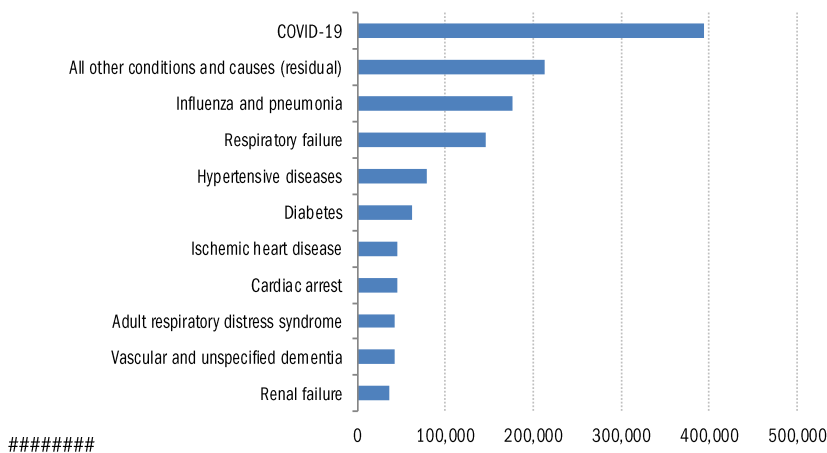


Racial distribution of US cases, fatalities and case-fatality rates



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

[Gov. Kim Reynolds lifting Iowa mask rules, limits on businesses and gatherings starting Sunday](#)

Cedar Rapids Gazette

February 5, 2021

[Zero Covid is a mirage - the virus is here to stay and we all \(even Sage scientists\) need to learn to live with it](#)

Jonathan Sumption

Daily Mail

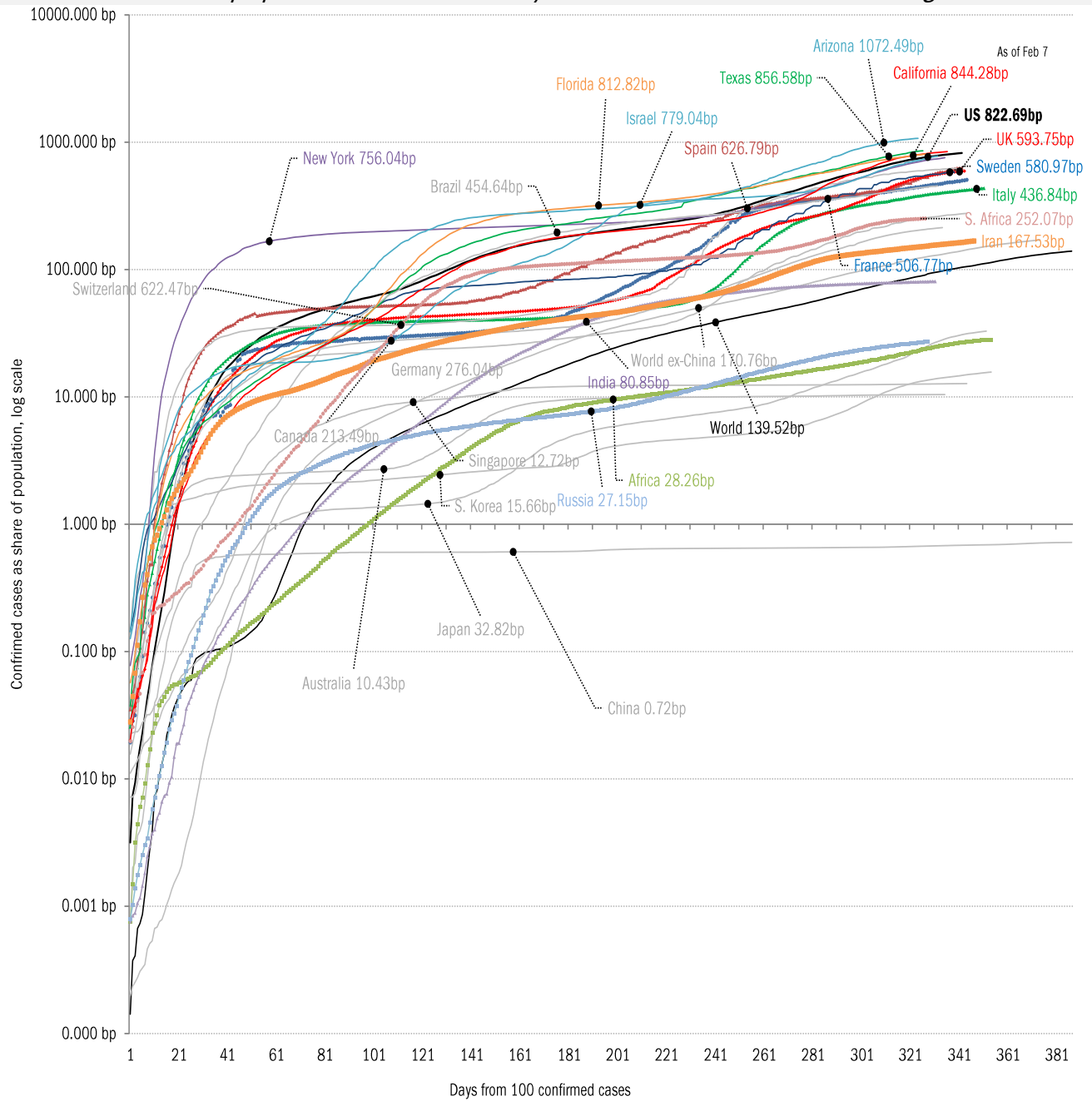
February 6, 2021

Meme of day



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

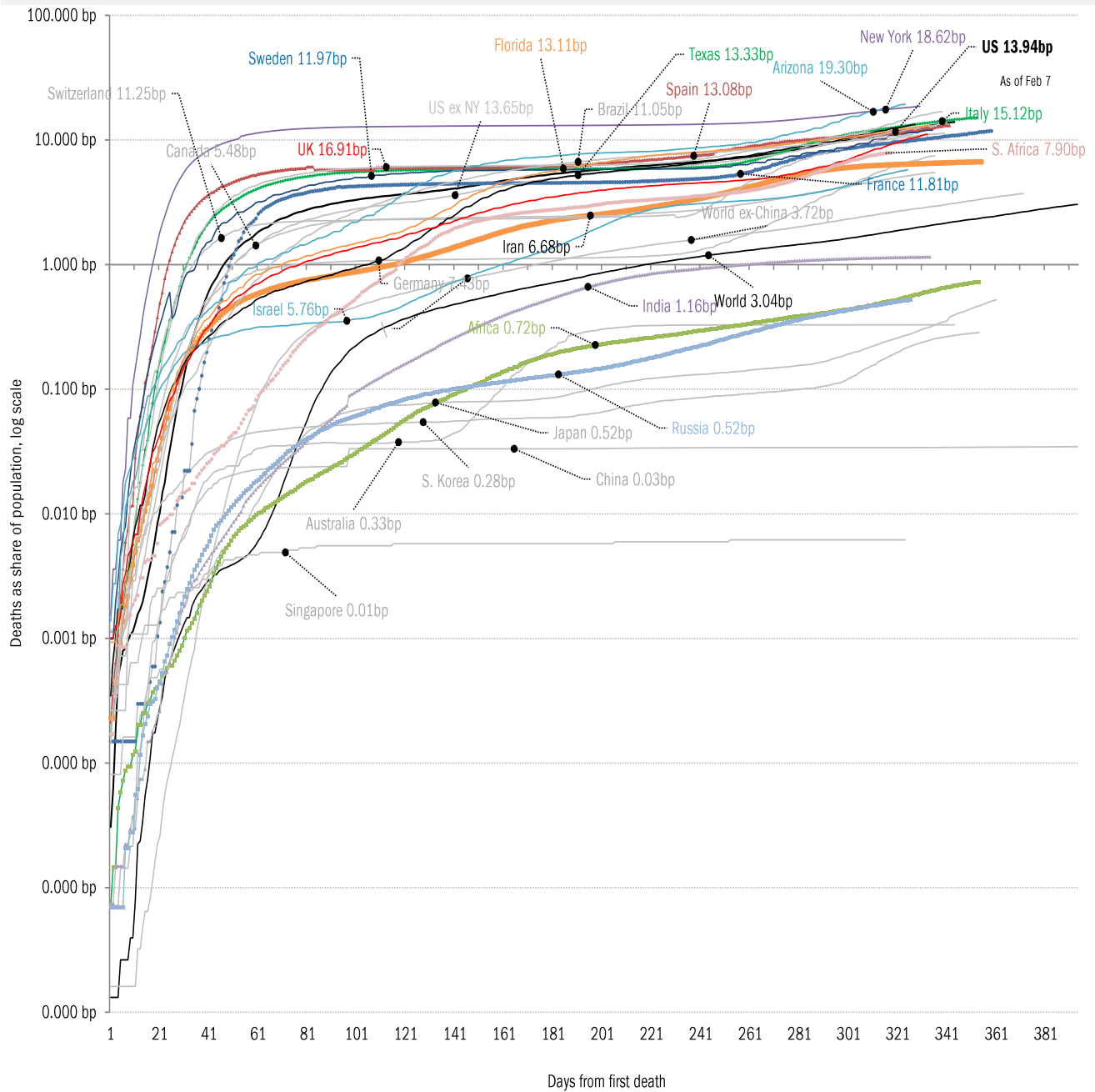
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

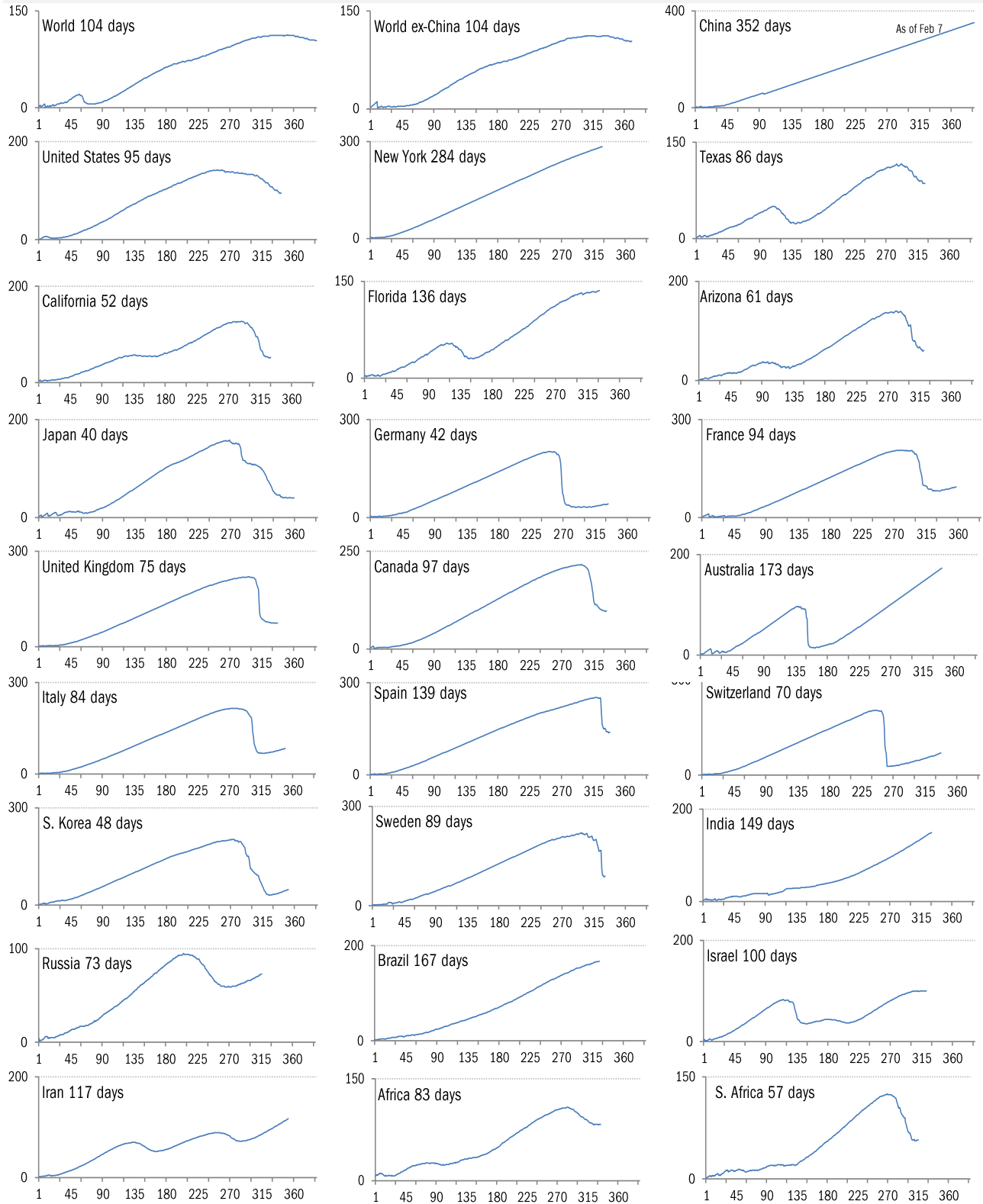


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"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

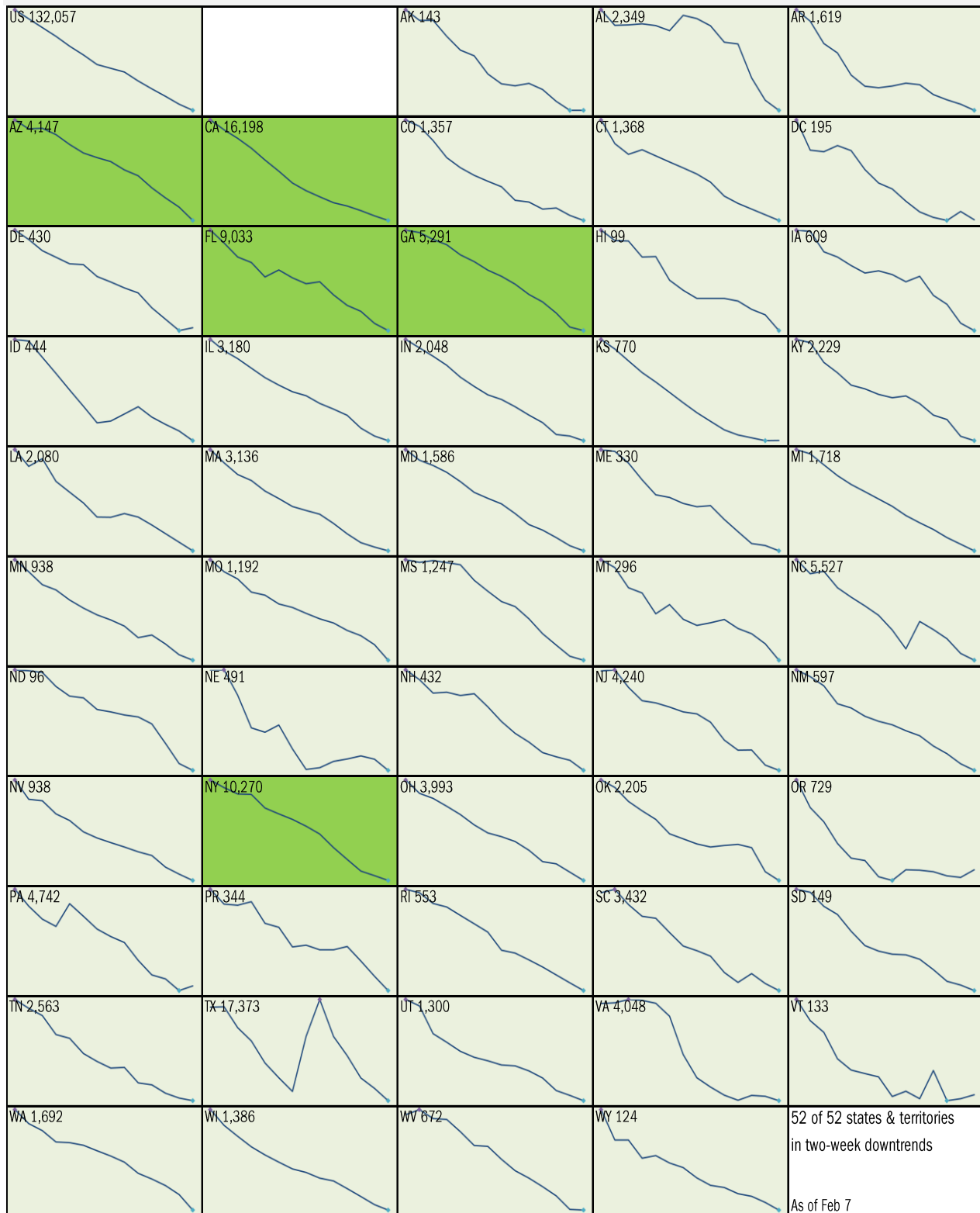


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

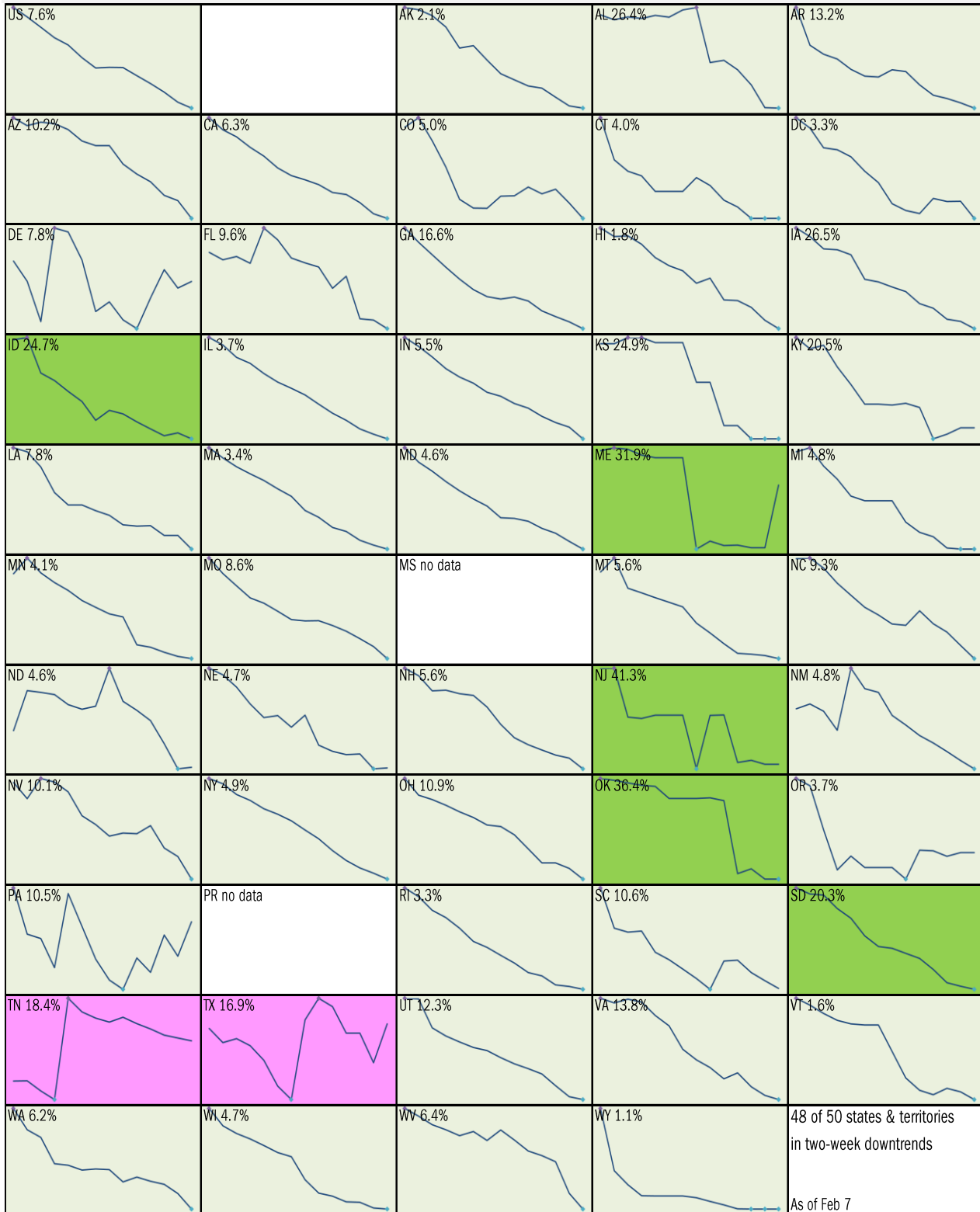


Source: [Covid Tracking Project](#), TrendMacro calculations

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

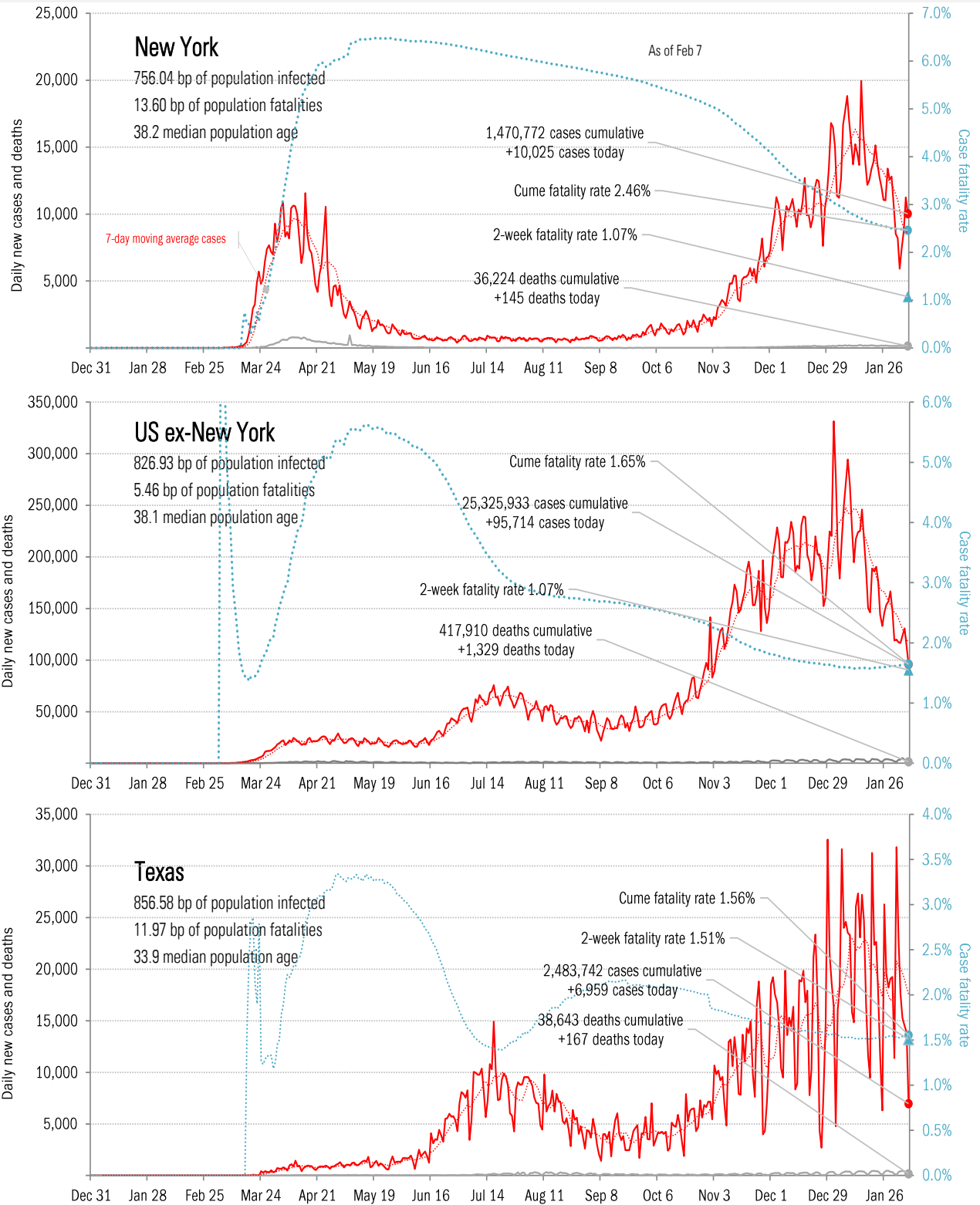
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



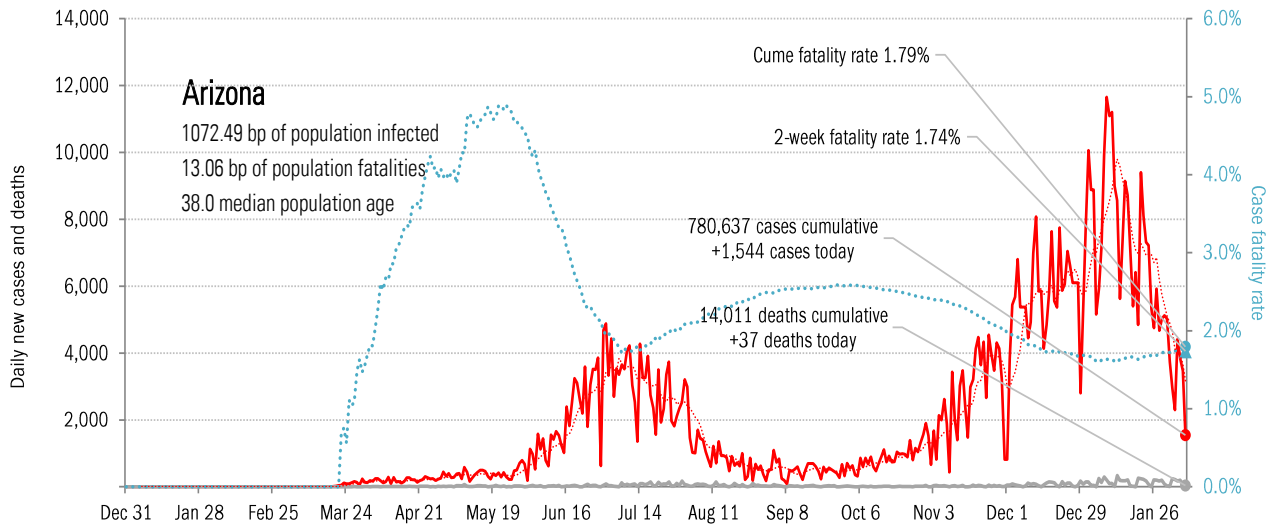
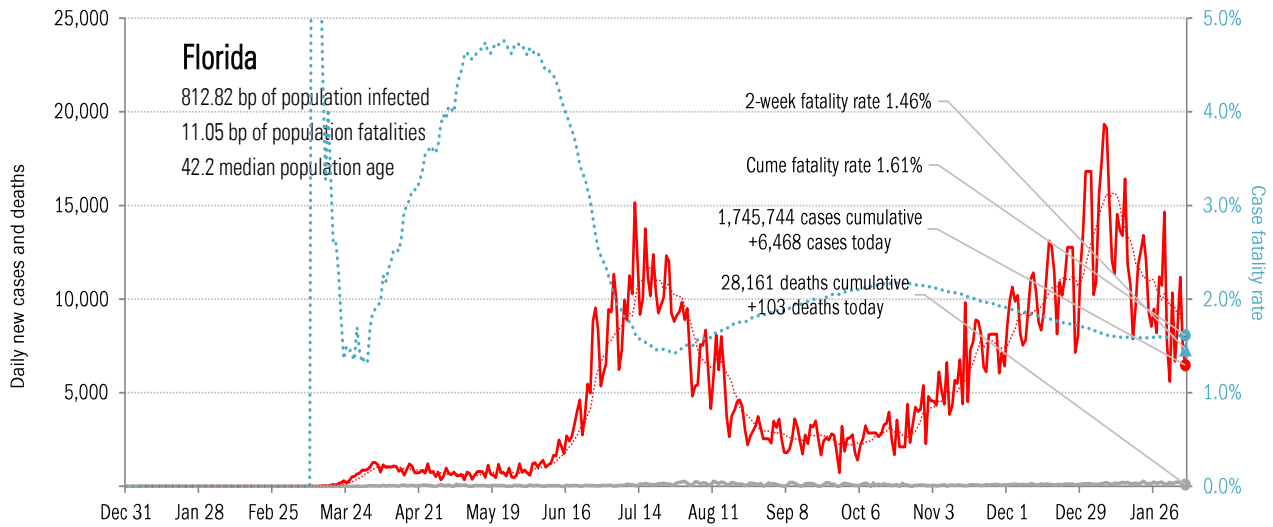
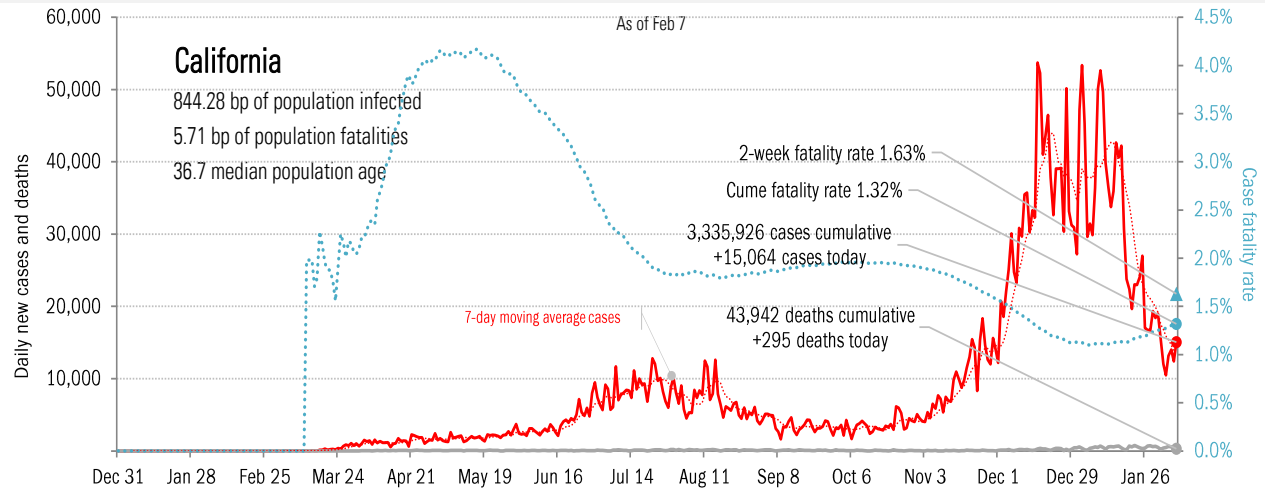
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



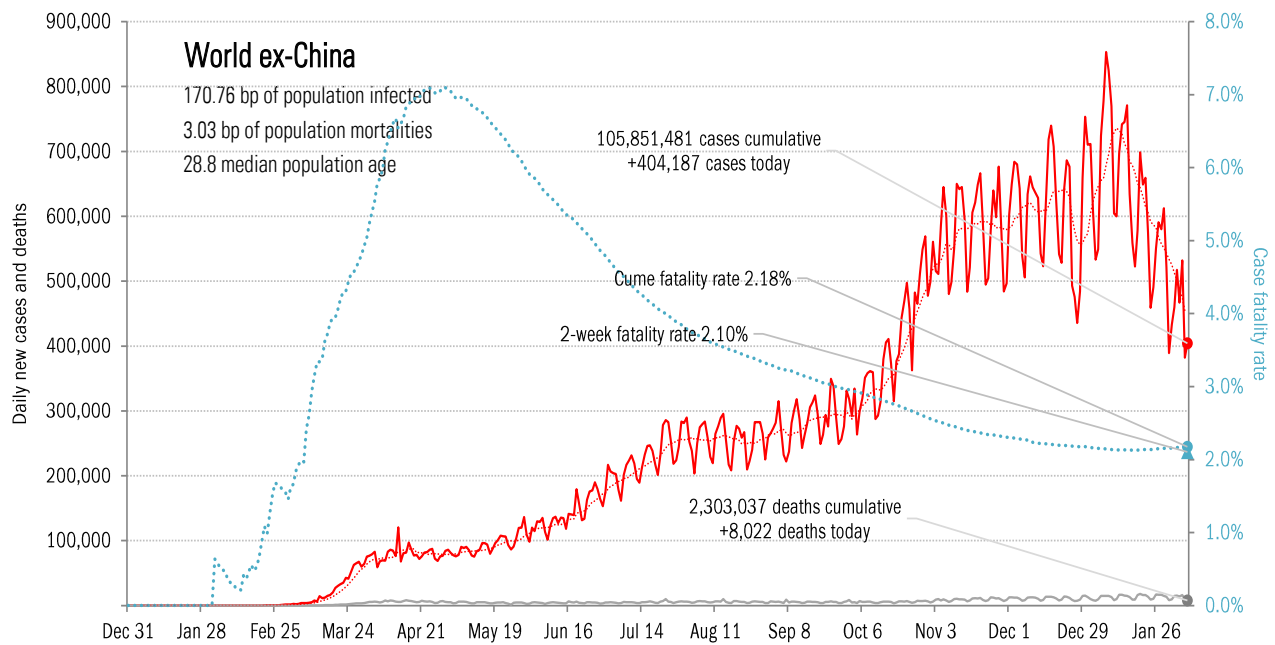
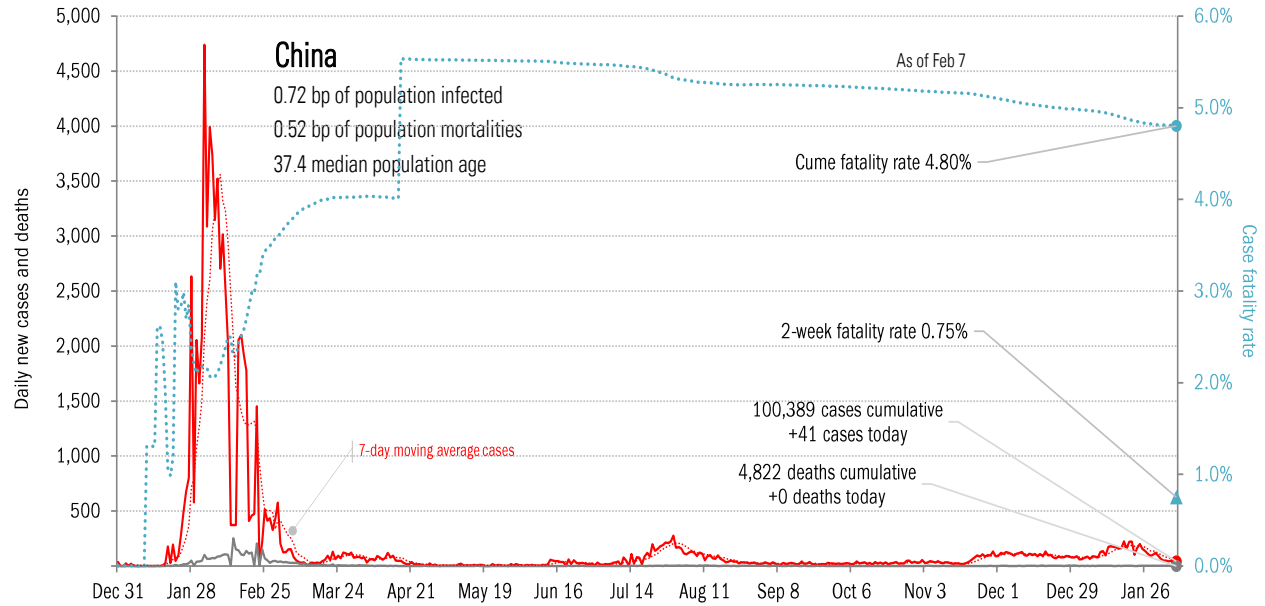
Source: [Covid Tracking Project](#), TrendMacro calculations

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



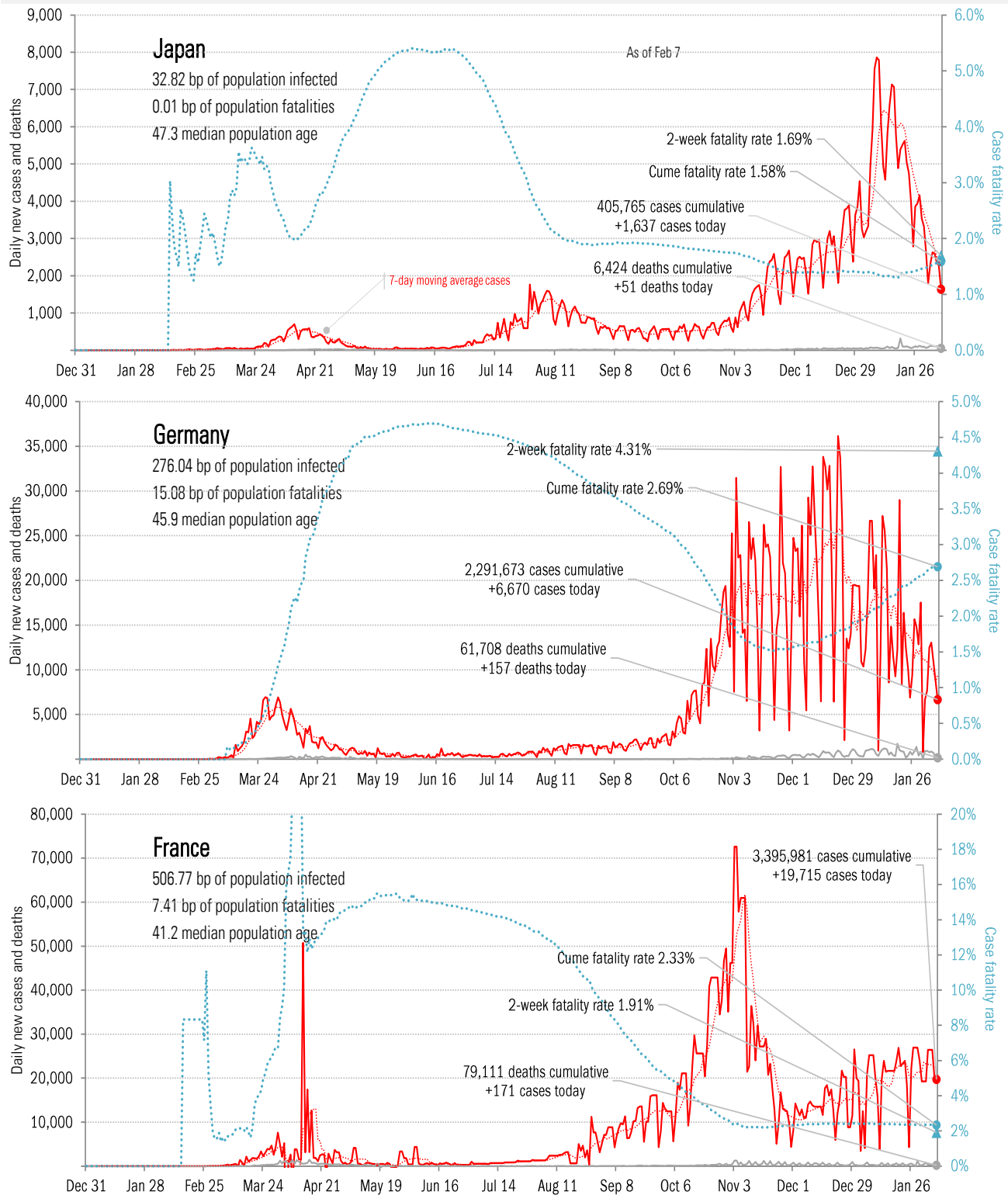
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



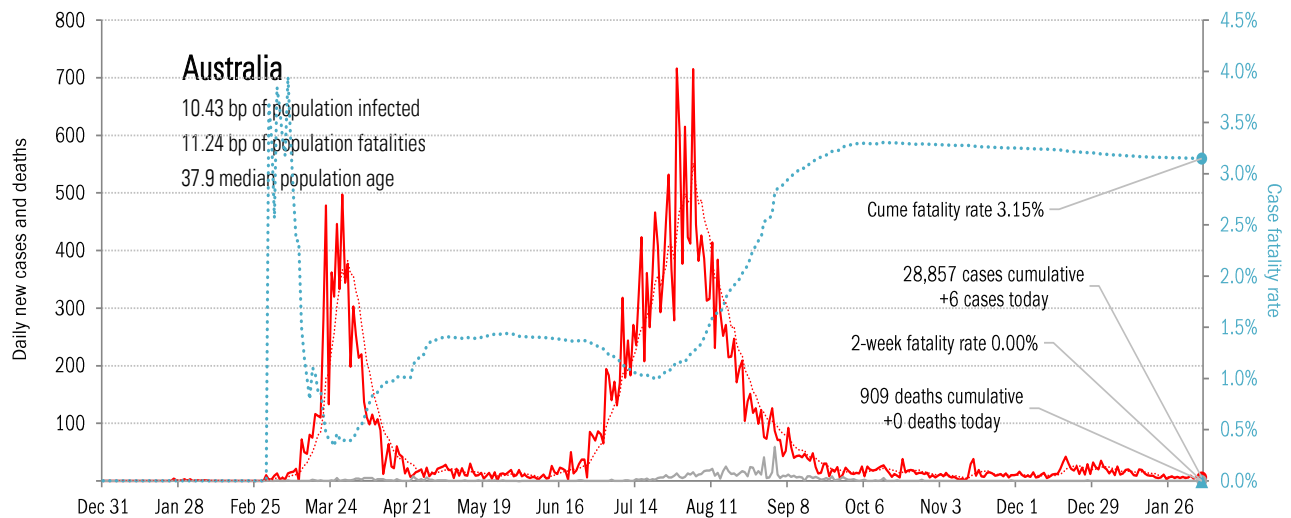
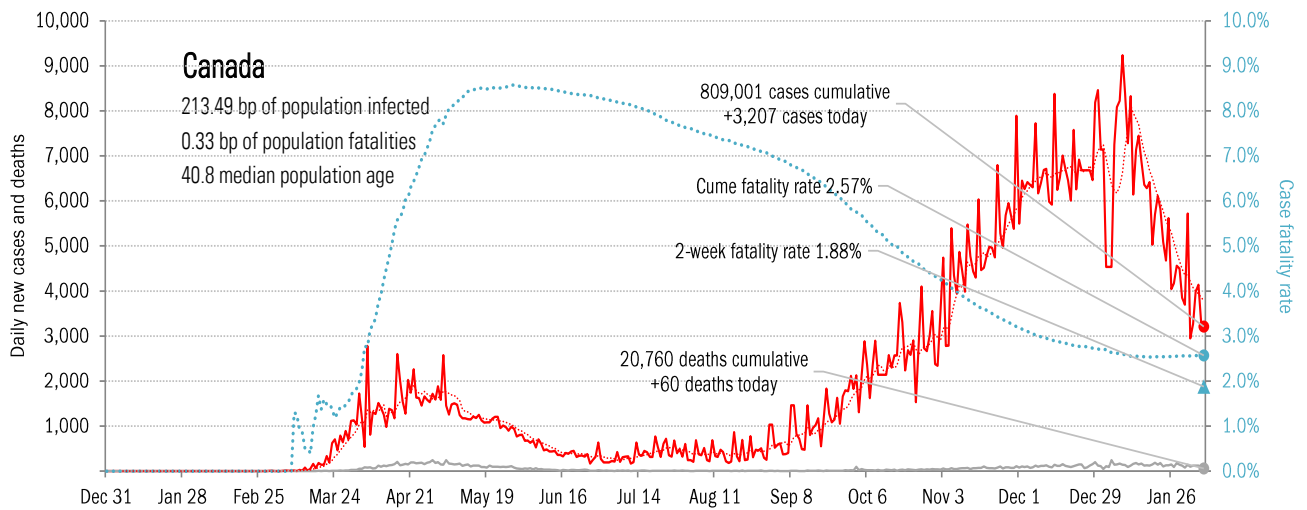
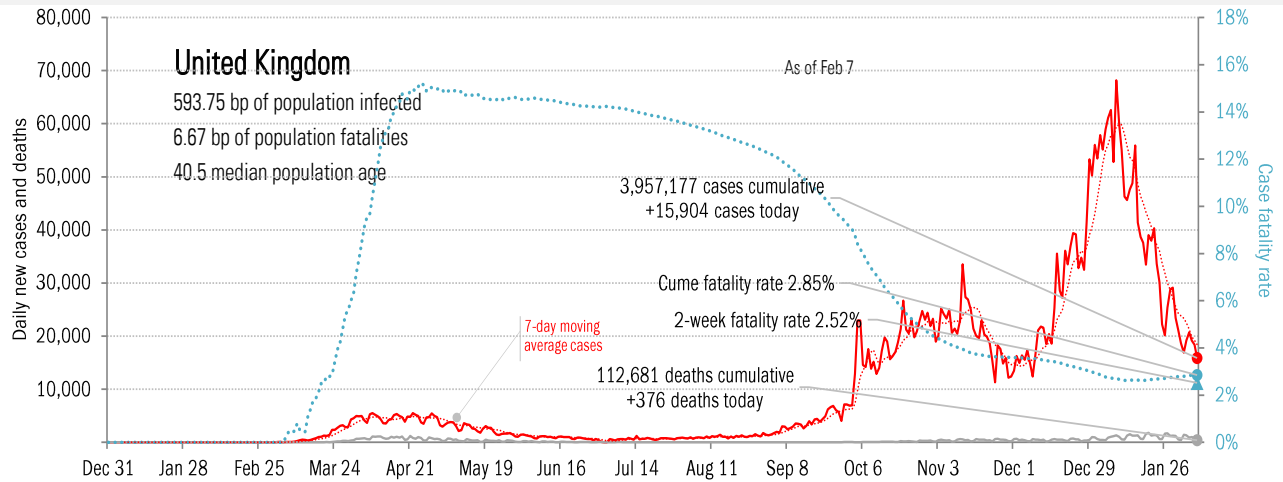
Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



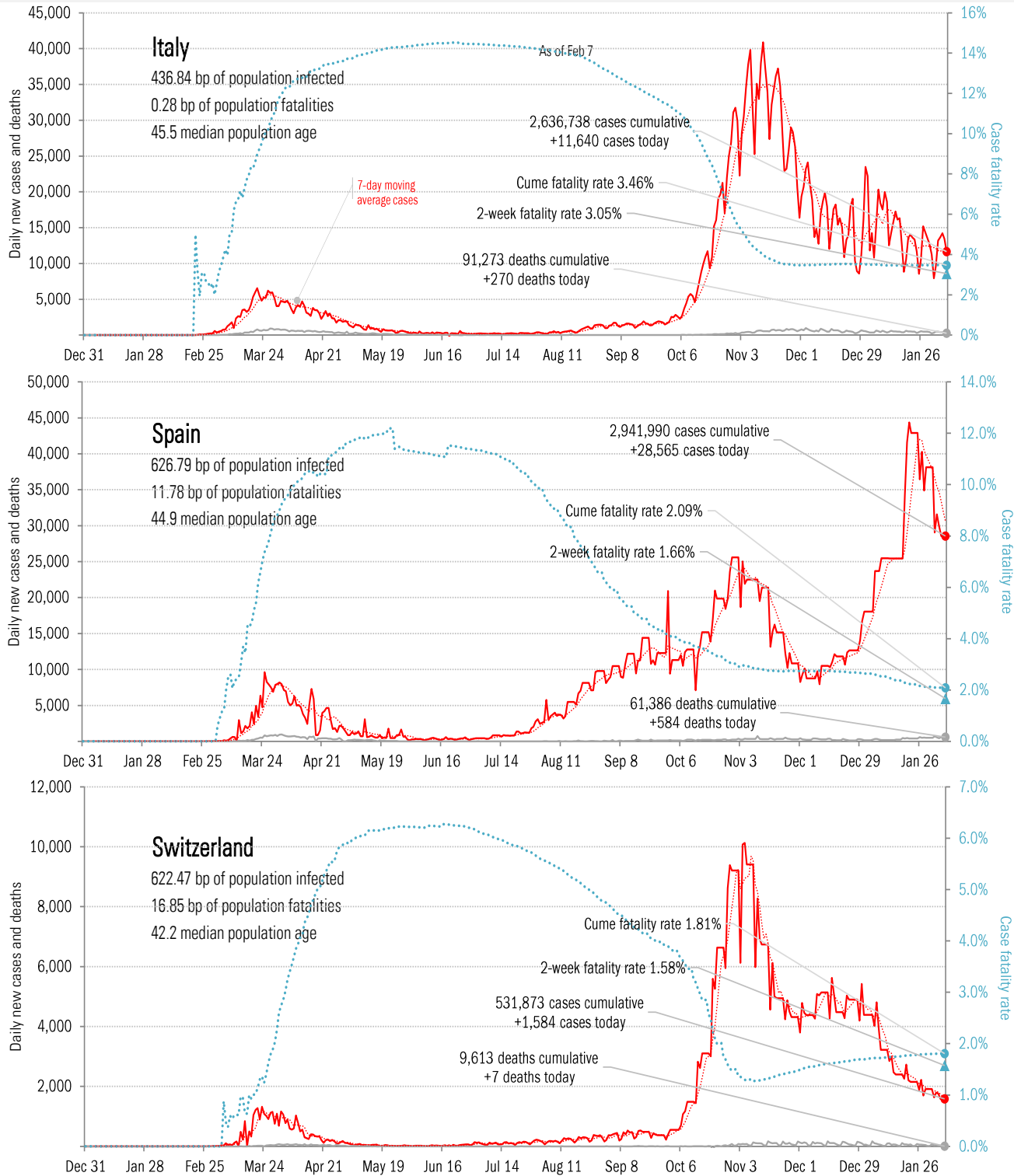
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



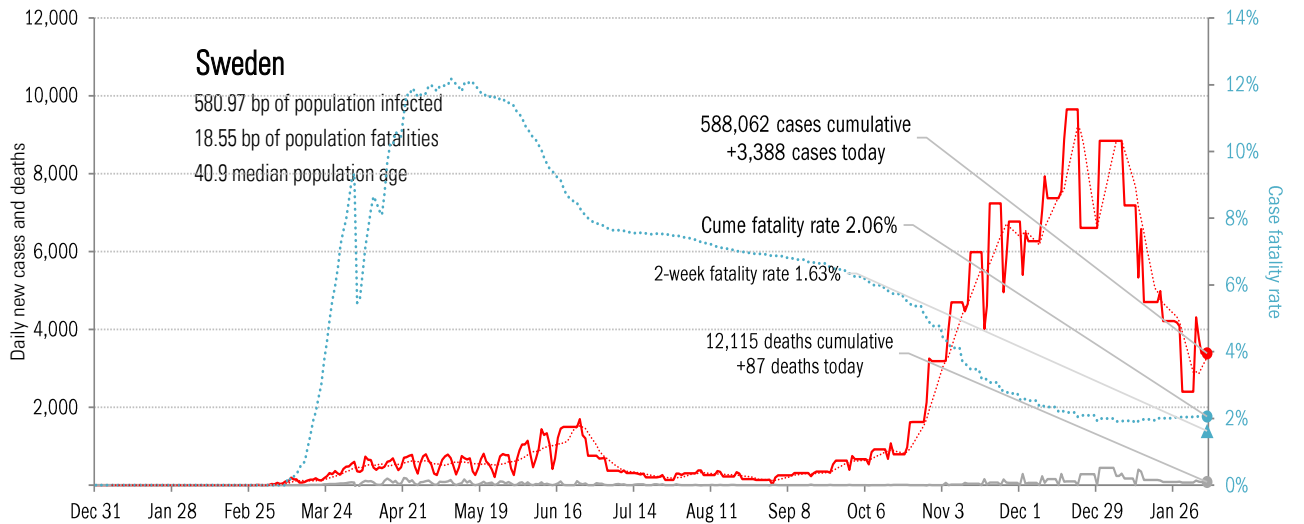
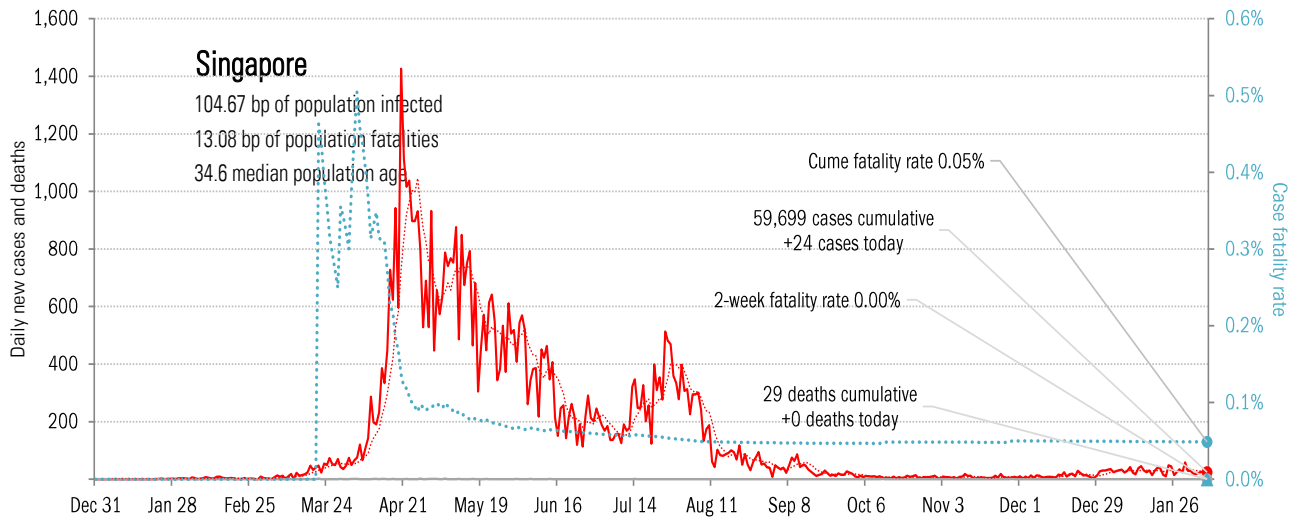
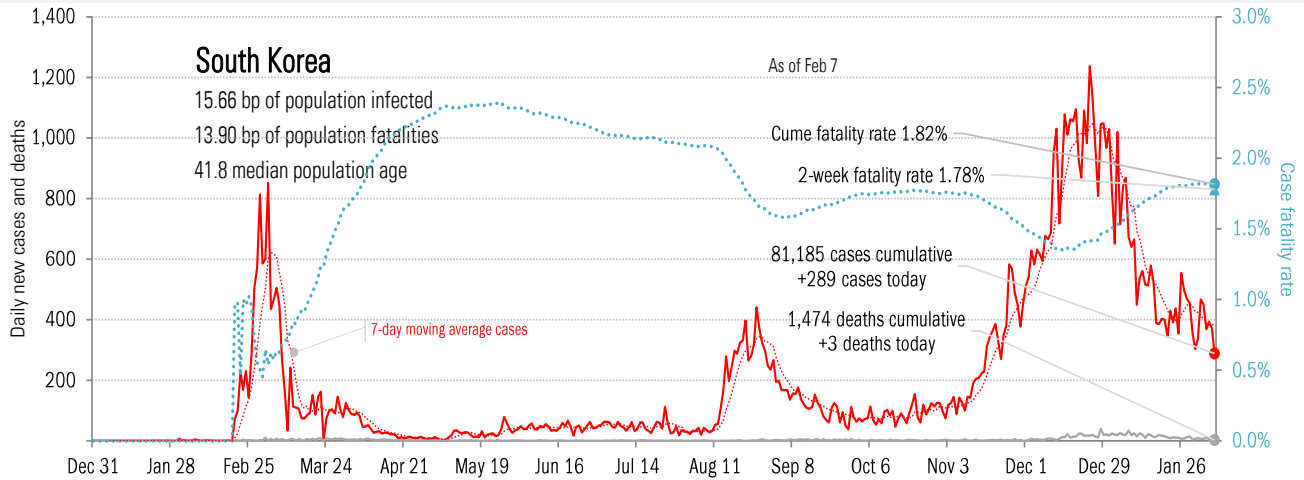
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



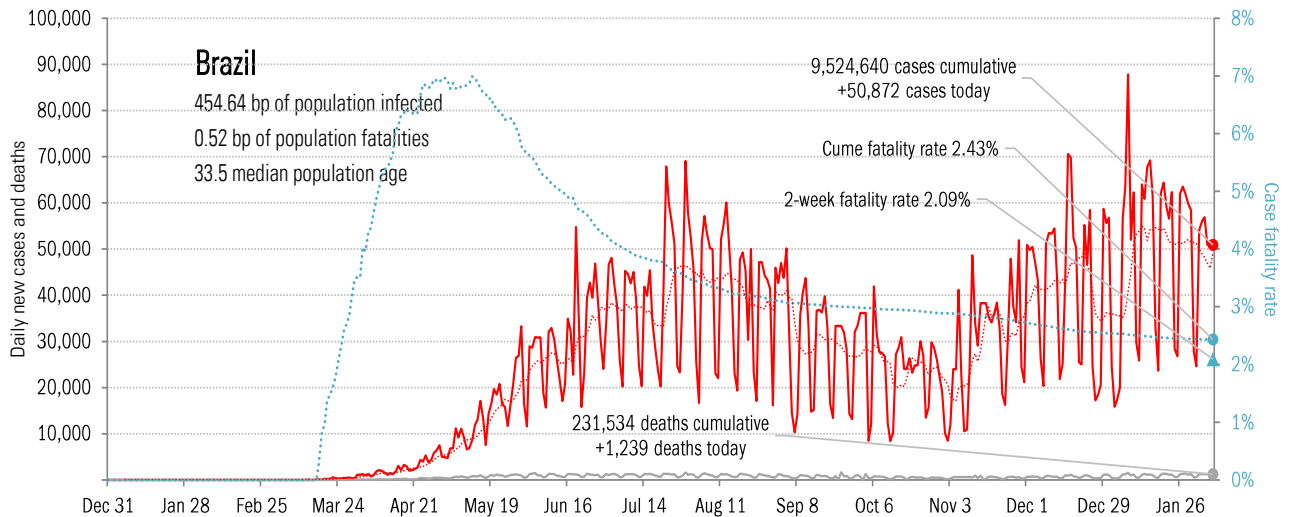
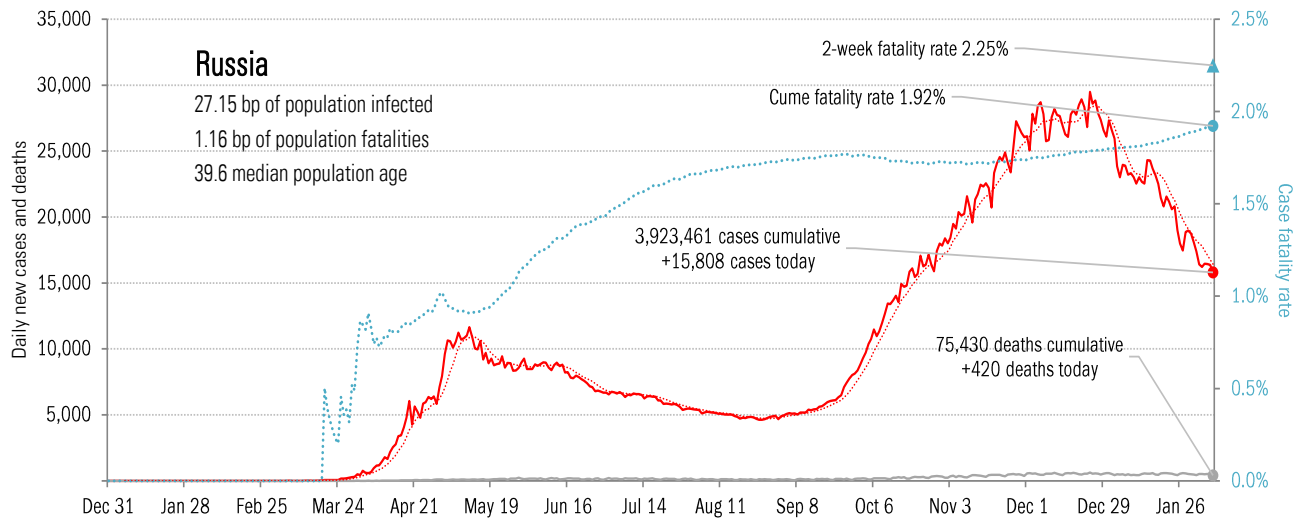
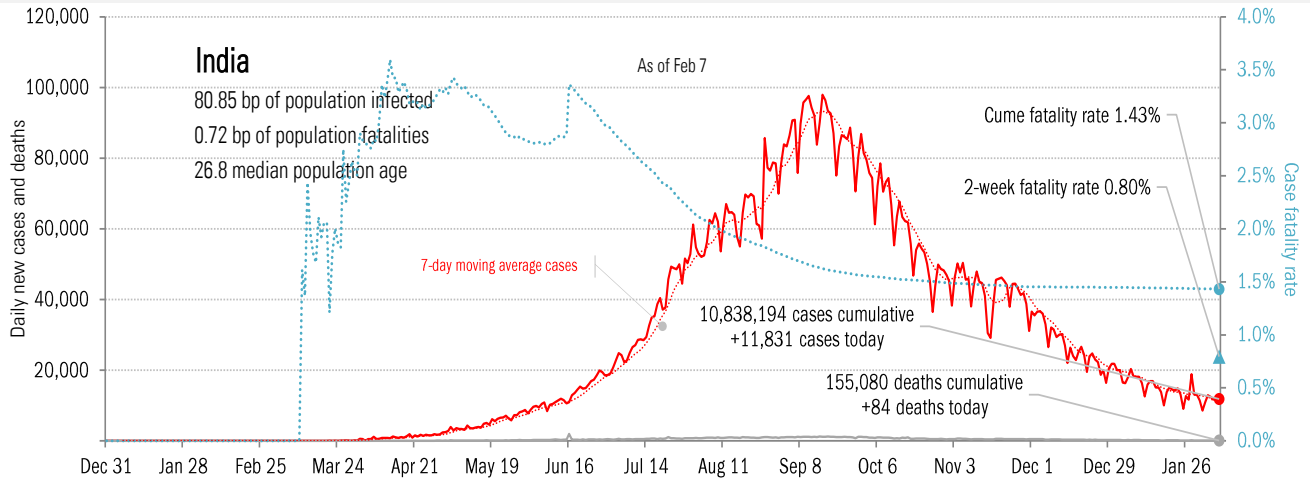
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



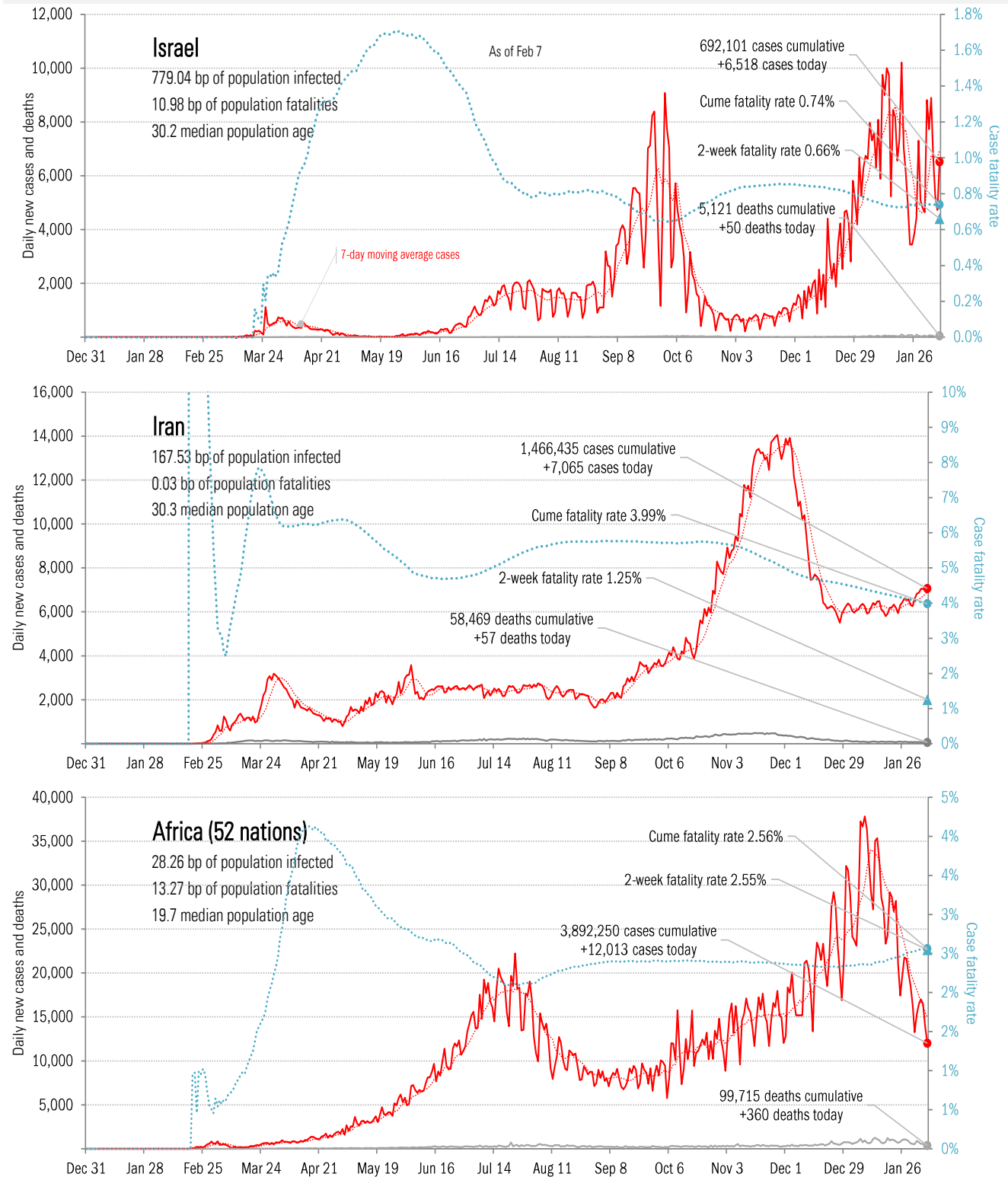
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



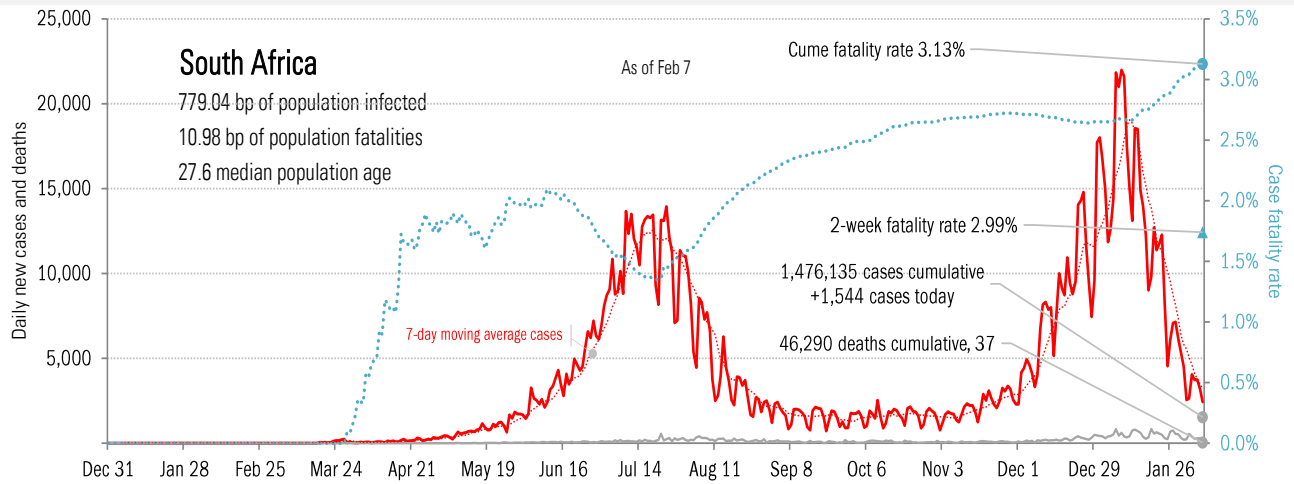
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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