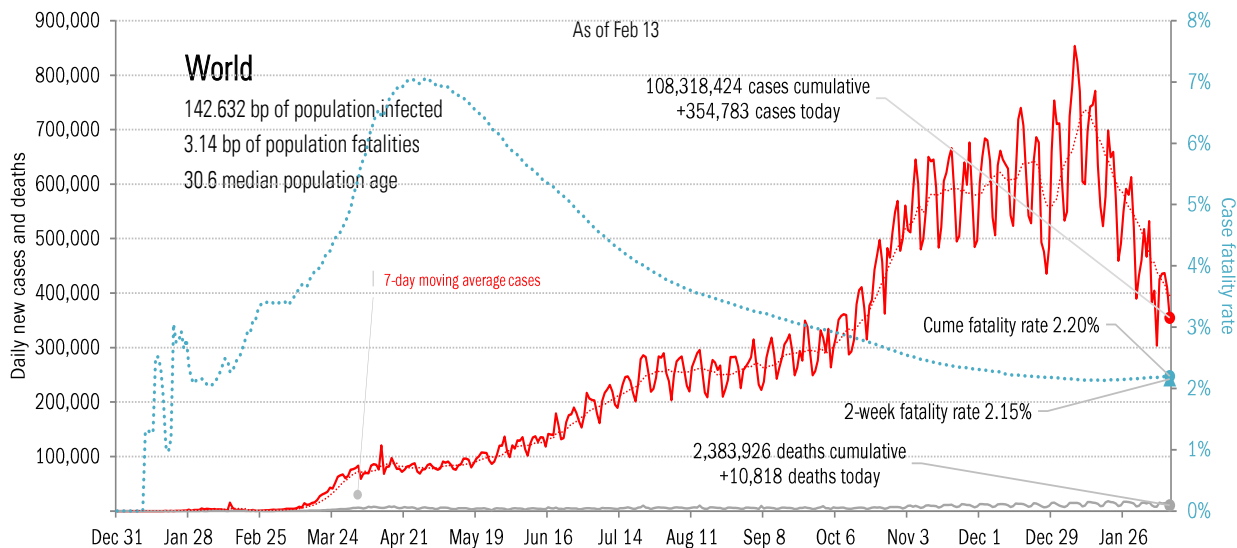
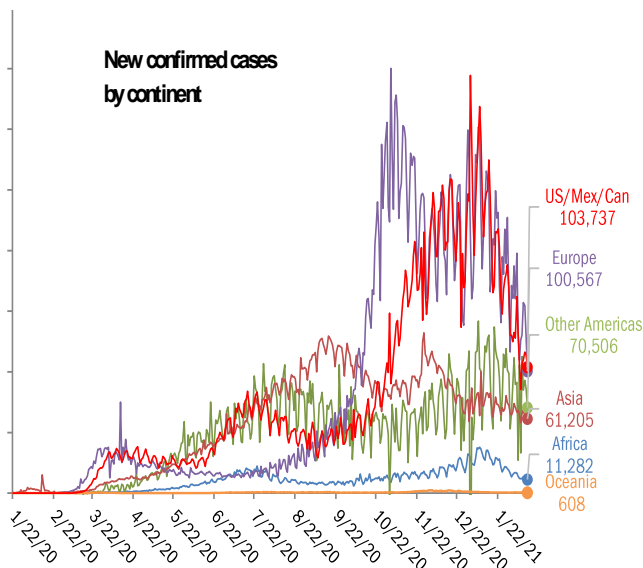


Data Insights: Covid-2019 Monitor

Sunday, February 14, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+90,199	United States	+3,428
Brazil	+44,299	Mexico	+1,214
Russia	+14,640	Brazil	+1,043
Italy	+13,523	United Kingdom	+621
United Kingdom	+13,355	Russia	+492
India	+12,194	Italy	+311
Mexico	+9,741	Poland	+285
Czechia	+8,883	Indonesia	+280
Indonesia	+8,844	Colombia	+229
Peru	+8,439	Germany	+219
+224,117		+8,122	
World	+354,783	World	+10,818
Top ten	63%	Top ten	75%



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

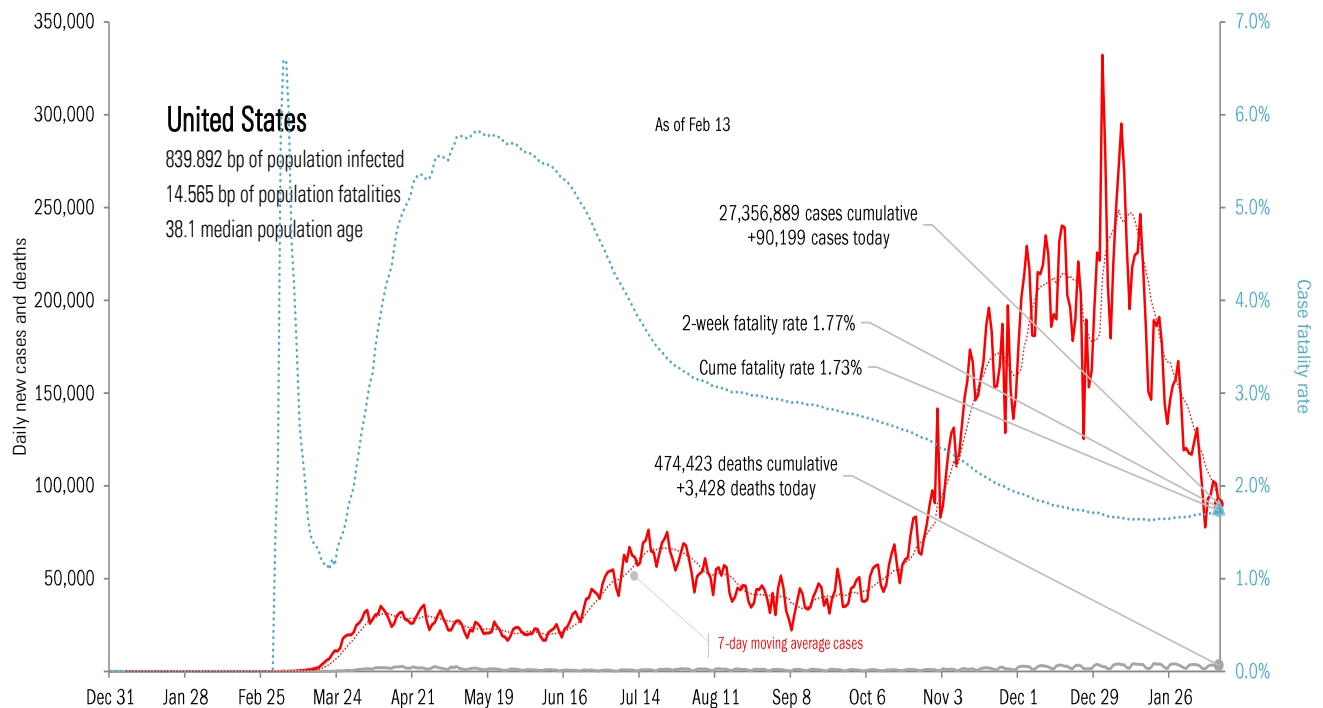
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+11,282		CH	+1,204		DE	+35		CA	3,391,036		CA	46,435		NY	89,995		RI	102%	GA	88%
CA	+9,421		CA	+433		MO	+24		TX	2,553,127		TX	40,378		FL	77,134		GA	81%	AL	87%
NY	+8,763		TX	+283		GA	+23		FL	1,788,827		NY	37,009		NJ	62,347		MA	81%	TX	83%
FL	+7,377		GA	+142		CO	+11		NY	1,521,453		FL	29,179		AZ	55,569		FL	81%	DC	82%
NC	+4,130		NY	+127		ID	+4		IL	1,160,523		PA	23,072		GA	53,340		SC	81%	CA	82%
PA	+4,088		FL	+118		AK	+0		GA	962,808		NJ	22,440		CH	48,492		CT	80%	FL	82%
GA	+3,823		AZ	+114		AS	+0		CH	937,541		IL	22,087		AL	44,148		MD	79%	RI	82%
NJ	+3,757		PA	+113		CT	+0		PA	892,344		CH	16,340		IN	41,530		PA	78%	SC	81%
VA	+3,215		MI	+92		HI	+0		NC	818,724		MI	16,119		MD	33,728		MO	78%	NC	81%
SC	+2,983		NC	+77		KS	+0		AZ	795,323		GA	15,850		WI	25,268		AL	78%	NV	81%
+58,839			+2,703			+97			14,821,706			268,909			531,541						
All states	+90,199		+3,428			-2214			All states	27,356,889		474,423			840,926			All states	73%	74%	
Top ten	65%		79%			-4%			Top ten	54%		57%			63%			Median	72%	70%	

Some states not reporting

Five most improved US states

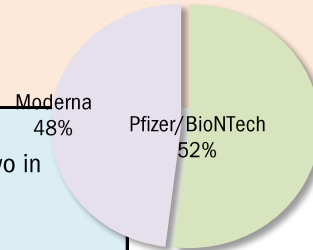
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,220	CH	-1,355	AL	-113	MI	+19,496
KS	-1,208	CA	-113	VA	-107	TX	+16,087
LA	-1,170	AL	-97	FL	-63	CH	+4,081
SC	-887	FL	-72	SC	-57	PA	+3,557
CO	-882	TN	-72	IN	-51	TN	+2,228



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
69.88 million doses distributed	+0.87 million/day
50.64 million doses administered	+2.23 million/day
37.06 million persons with one shot	+1.22 million/day
13.08 million persons with two shots	+1.00 million/day
5.67 million shots long-term care residents/staff	+0.16 million/day
72.5% of distributed doses administered	
11.2% of US pop 1 shot	3.9% 2 shots
100% of LTC 1 shot	34.7% 2 shots



At today's dosing pace,
every American will have two in
271 days
by Nov 11, 2021

US will achieve herd immunity in
129 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%
16.7%
7.2%

ME
22.3%
10.5%
3.7%

WI
18.6%
11.8%
3.7%

VT
22.1%
11.3%
5.2%

NH
22.9%
10.4%
4.4%

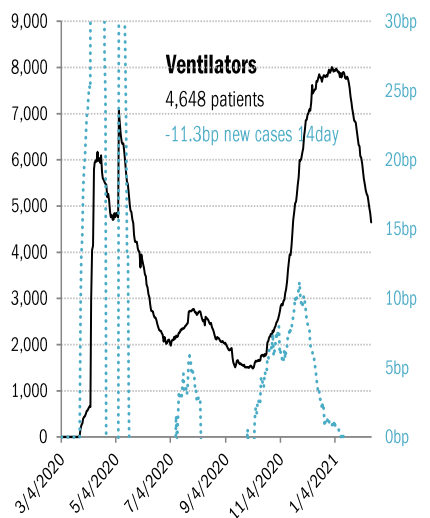
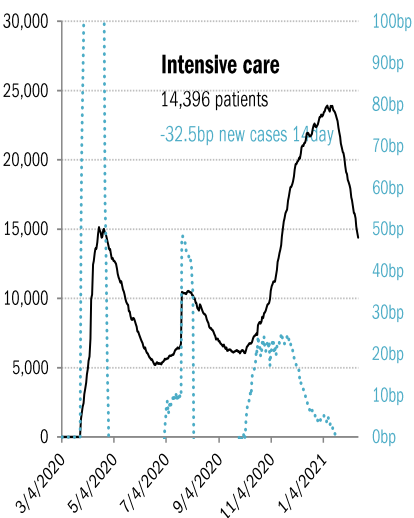
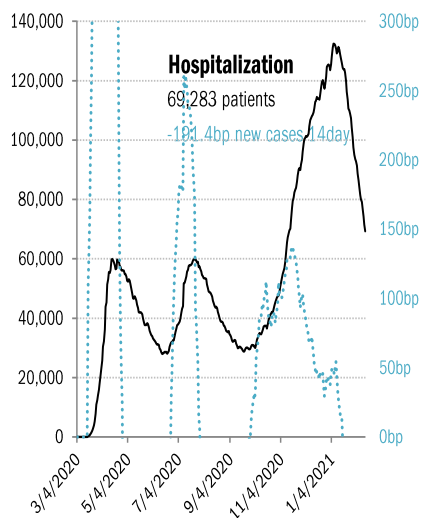
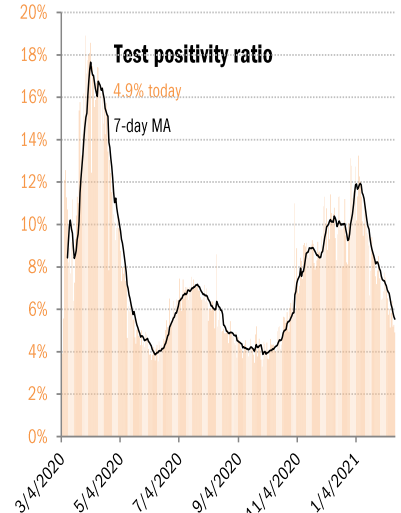
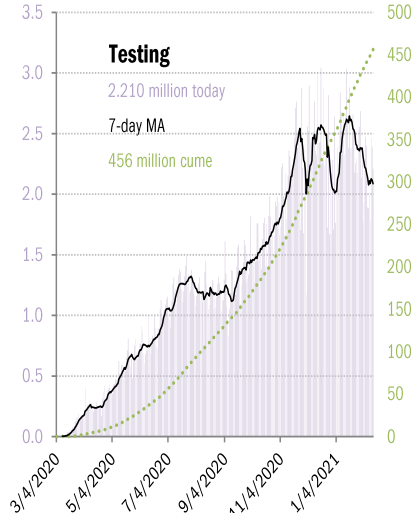
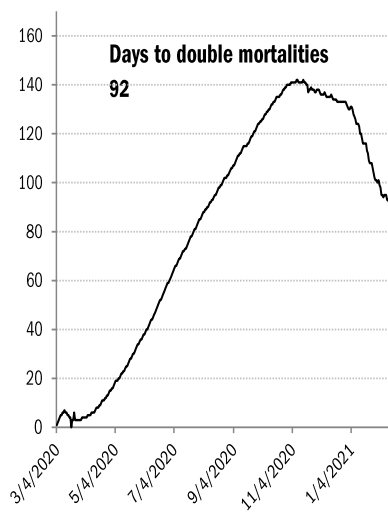
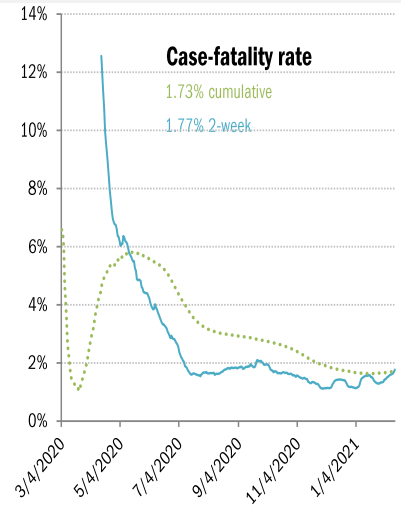
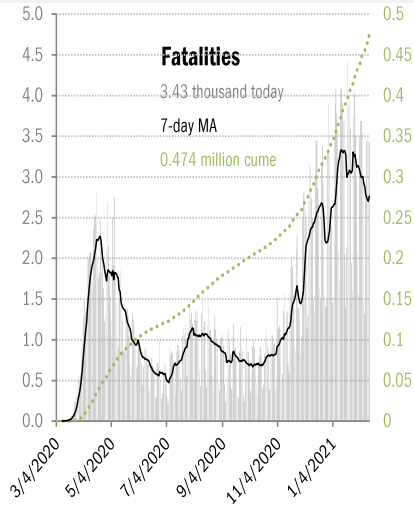
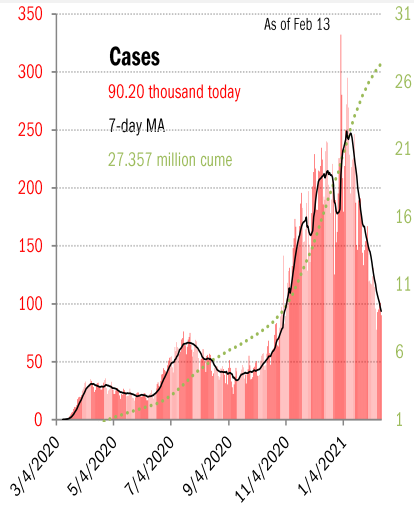
WA 18.9% 11.1% 3.5%	ID 18.4% 9.2% 2.6%	MT 18.7% 11.4% 4.2%	ND 20.4% 12.7% 6.0%	MN 20.0% 11.0% 3.7%	IL 20.2% 10.8% 3.0%	MI 19.2% 10.6% 4.6%	NY 20.3% 10.1% 4.0%	MA 21.8% 11.2% 3.4%		
OR 20.0% 11.1% 4.3%	NV 17.3% 10.3% 2.9%	WY 21.1% 11.4% 4.0%	SD 20.6% 12.0% 5.5%	IA 18.9% 10.1% 3.5%	IN 20.6% 11.1% 4.0%	OH 19.8% 10.3% 3.5%	PA 21.0% 9.9% 3.2%	NJ 20.0% 10.9% 3.7%	CT 23.8% 13.0% 5.1%	RI 21.6% 9.0% 3.9%
CA 20.4% 11.0% 3.0%	UT 18.1% 9.6% 3.3%	CO 21.0% 10.6% 4.7%	NE 21.1% 9.8% 4.3%	MO 18.4% 9.6% 3.4%	KY 20.0% 10.6% 3.9%	WV 22.1% 13.5% 7.5%	VA 18.7% 11.6% 3.6%	MD 19.7% 9.9% 3.5%	DE 19.3% 11.5% 3.0%	
AZ 19.1% 11.1% 3.1%	NM 20.5% 13.2% 5.6%	KS 20.0% 9.4% 3.1%	AR 20.9% 10.9% 4.1%	TN 19.9% 9.3% 4.2%	NC 19.5% 10.6% 3.9%	SC 17.3% 9.9% 3.0%	DC 27.5% 11.6% 4.9%			
OK 20.6% 11.8% 4.8%	LA 19.3% 10.8% 5.0%	MS 20.6% 10.2% 3.5%	AL 19.7% 9.5% 2.7%	GA 19.0% 9.3% 3.0%						
HI 21.9% 11.3% 4.1%	TX 17.6% 10.0% 3.8%	FL 20.7% 10.7% 4.8%	PR 22.1% 8.3% 3.2%							

As of Feb 13

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

US deep-dive

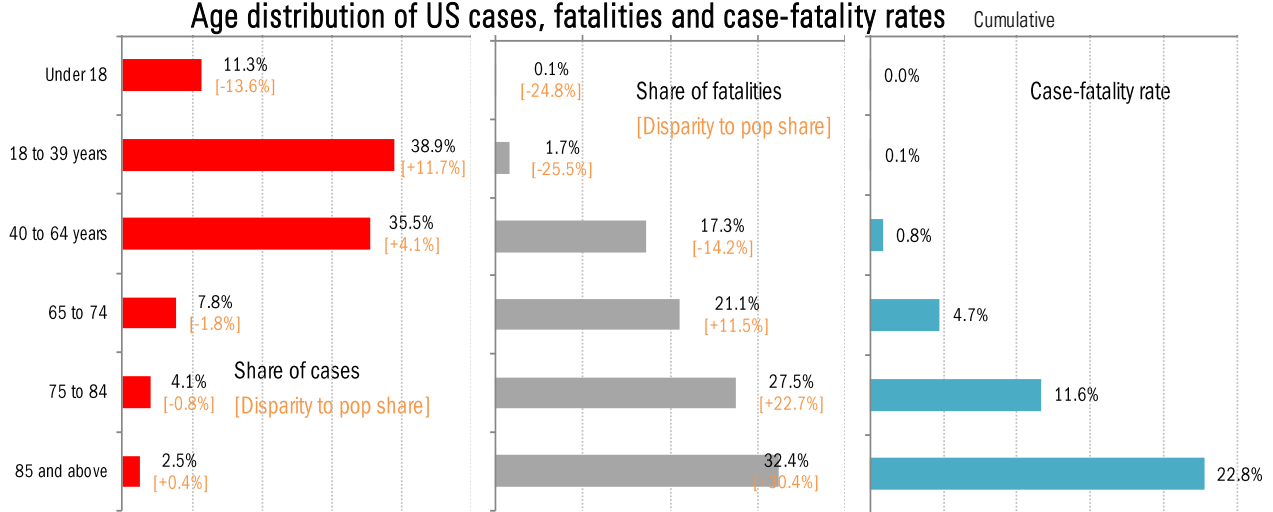
National and state-by-state data do not line up because of different sources



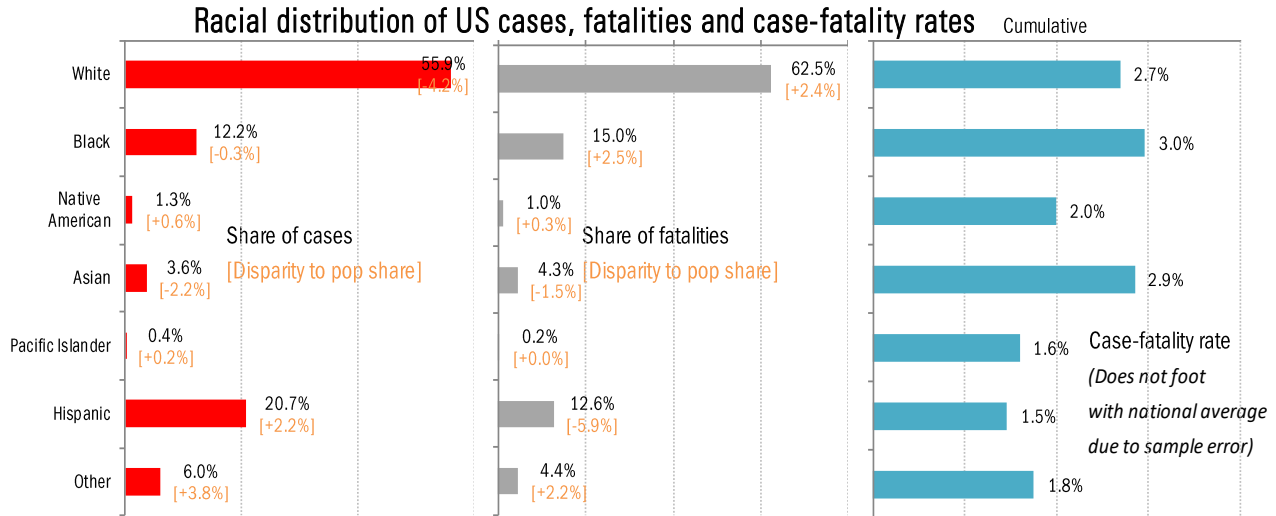
Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

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

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

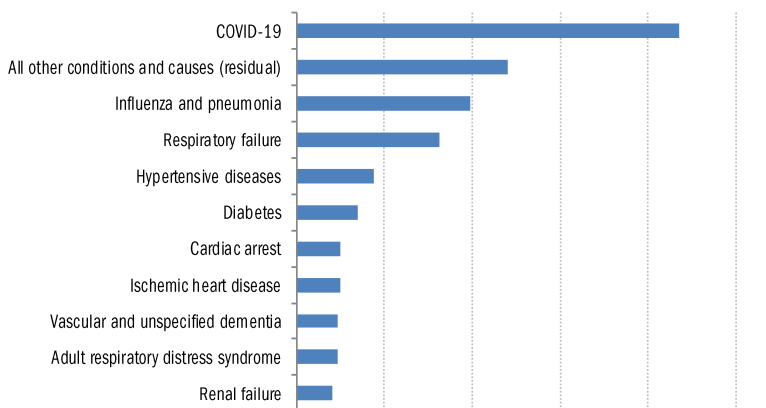


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Joe Biden's 'America First' Vaccine Strategy](#)

Yasmeen Serhan
The Atlantic
February 4, 2021

[China Using Anal Swabs for COVID Testing](#)

Ralph Ellis
WebMD
January 28, 2021

[The Unlikeliest Pandemic Success Story](#)

Madeline Drexler
The Atlantic
February 10, 2021

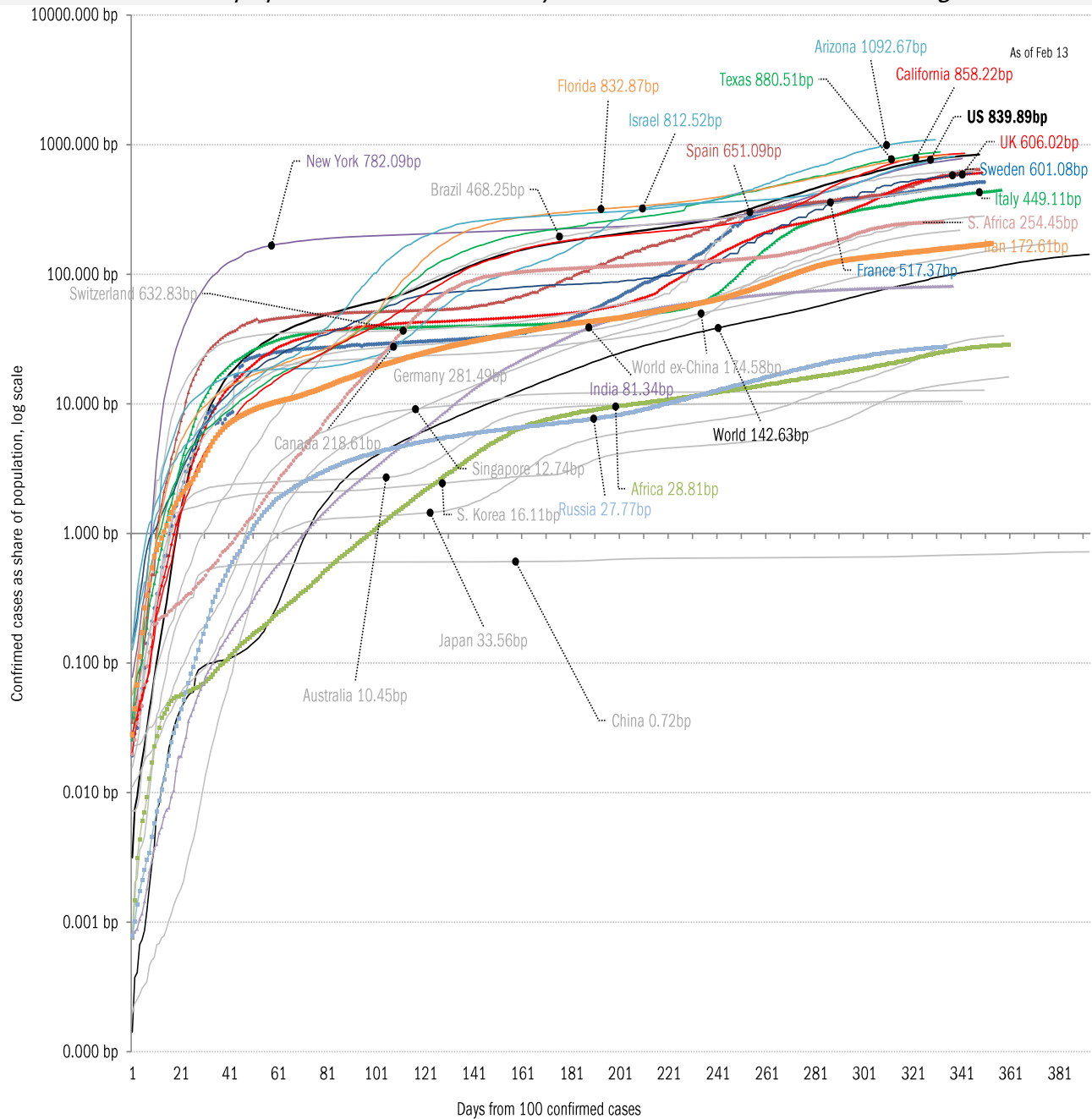
Meme of day

"Covid won't be around for that long"



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

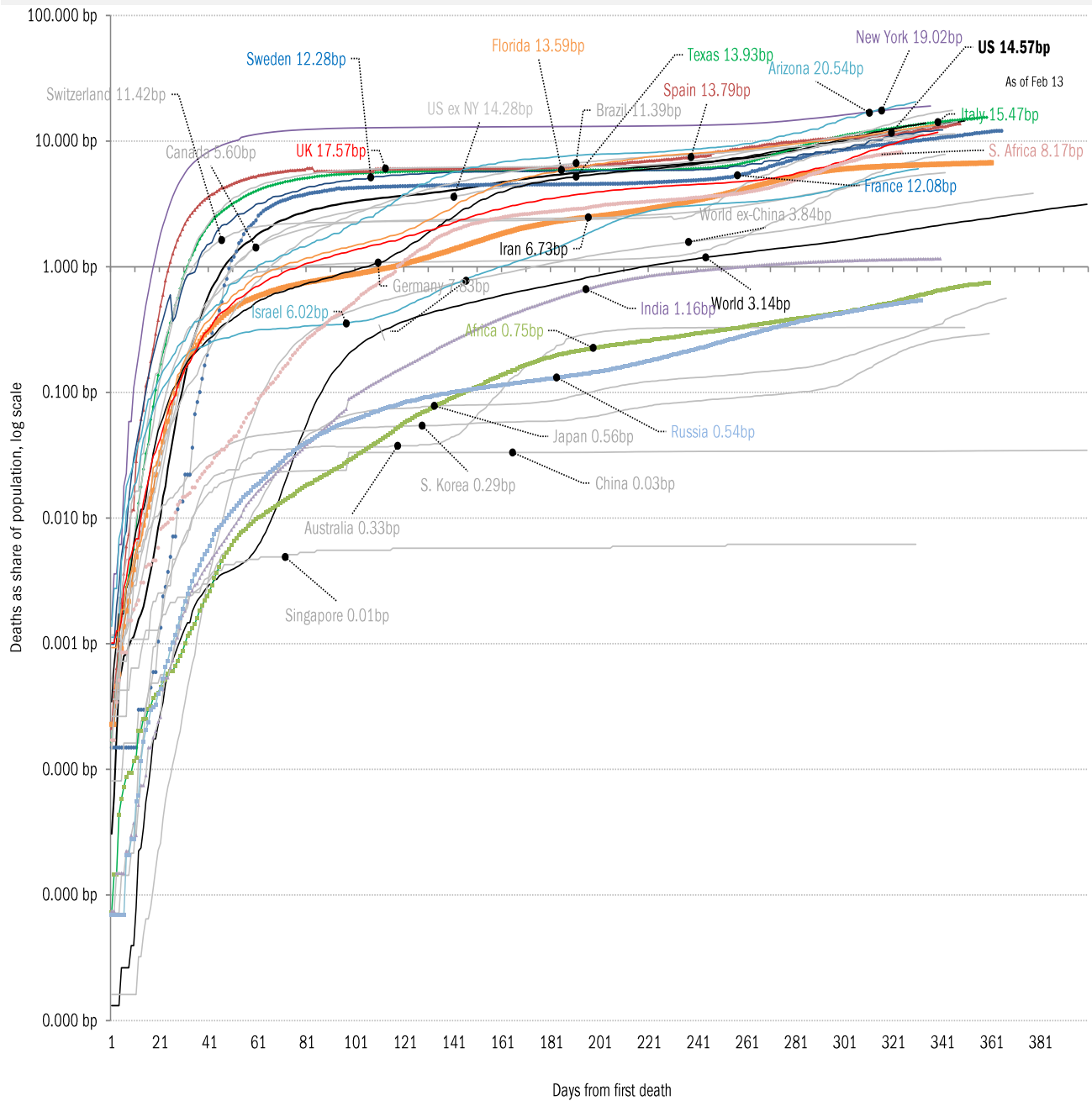
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

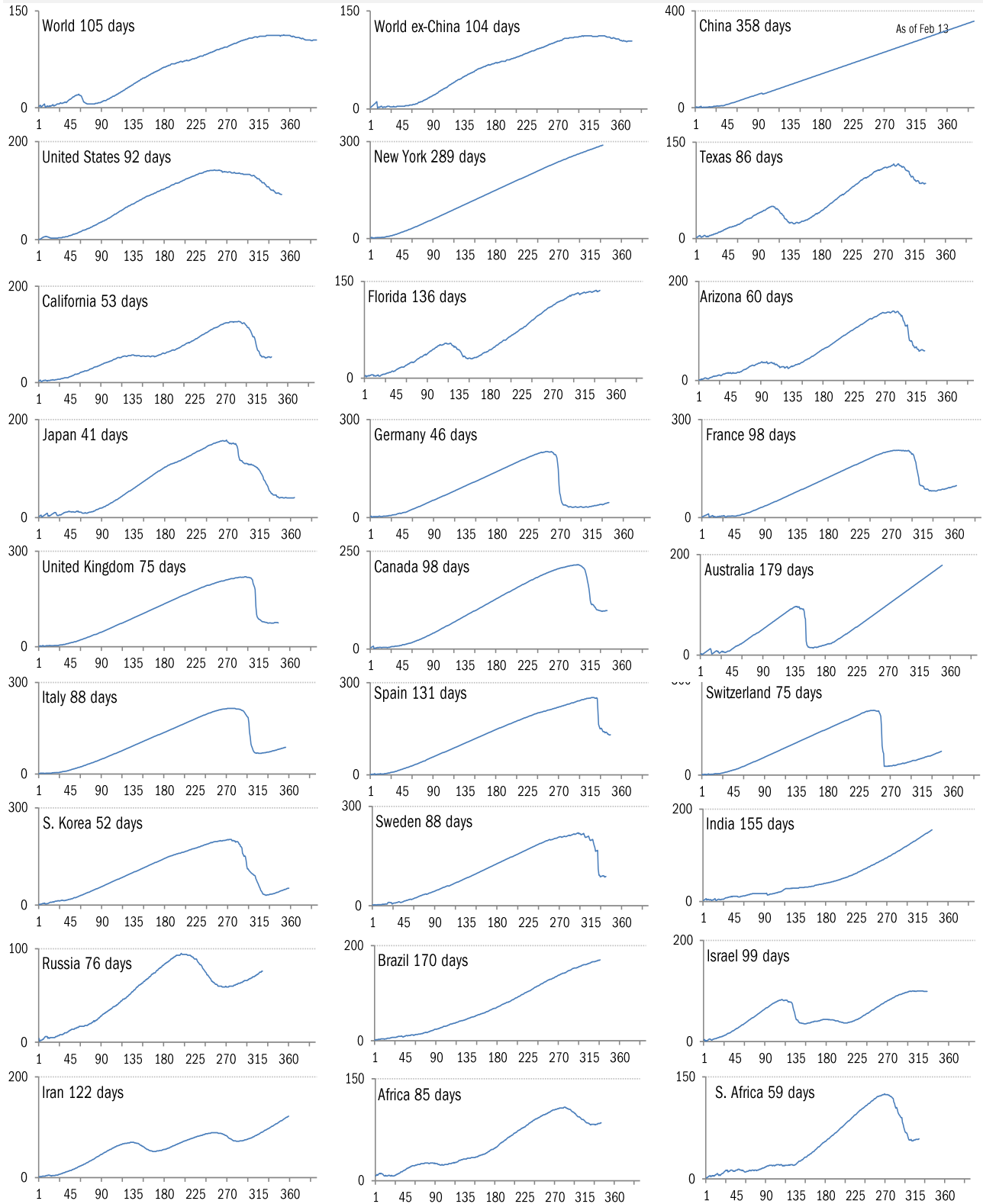


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"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

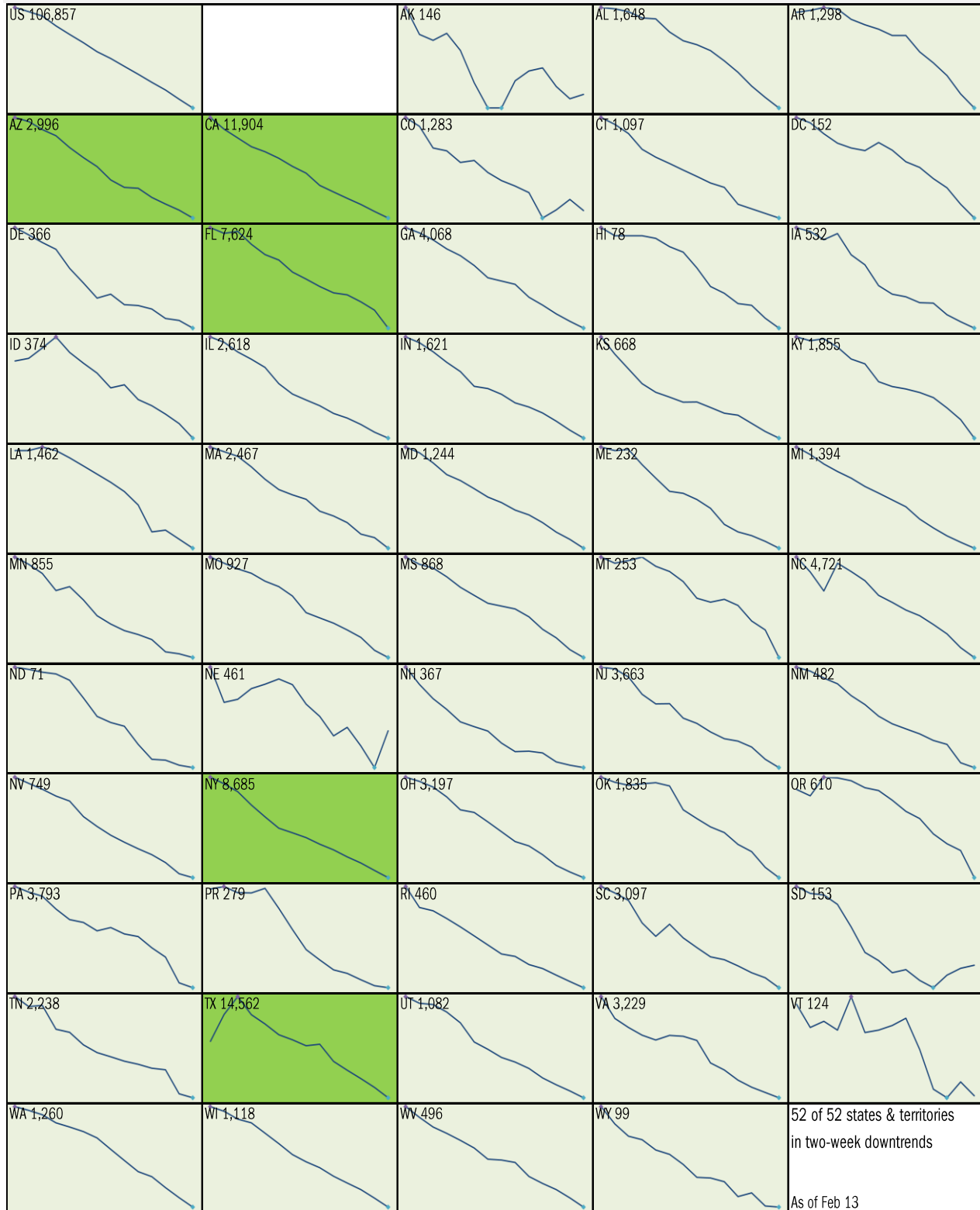


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

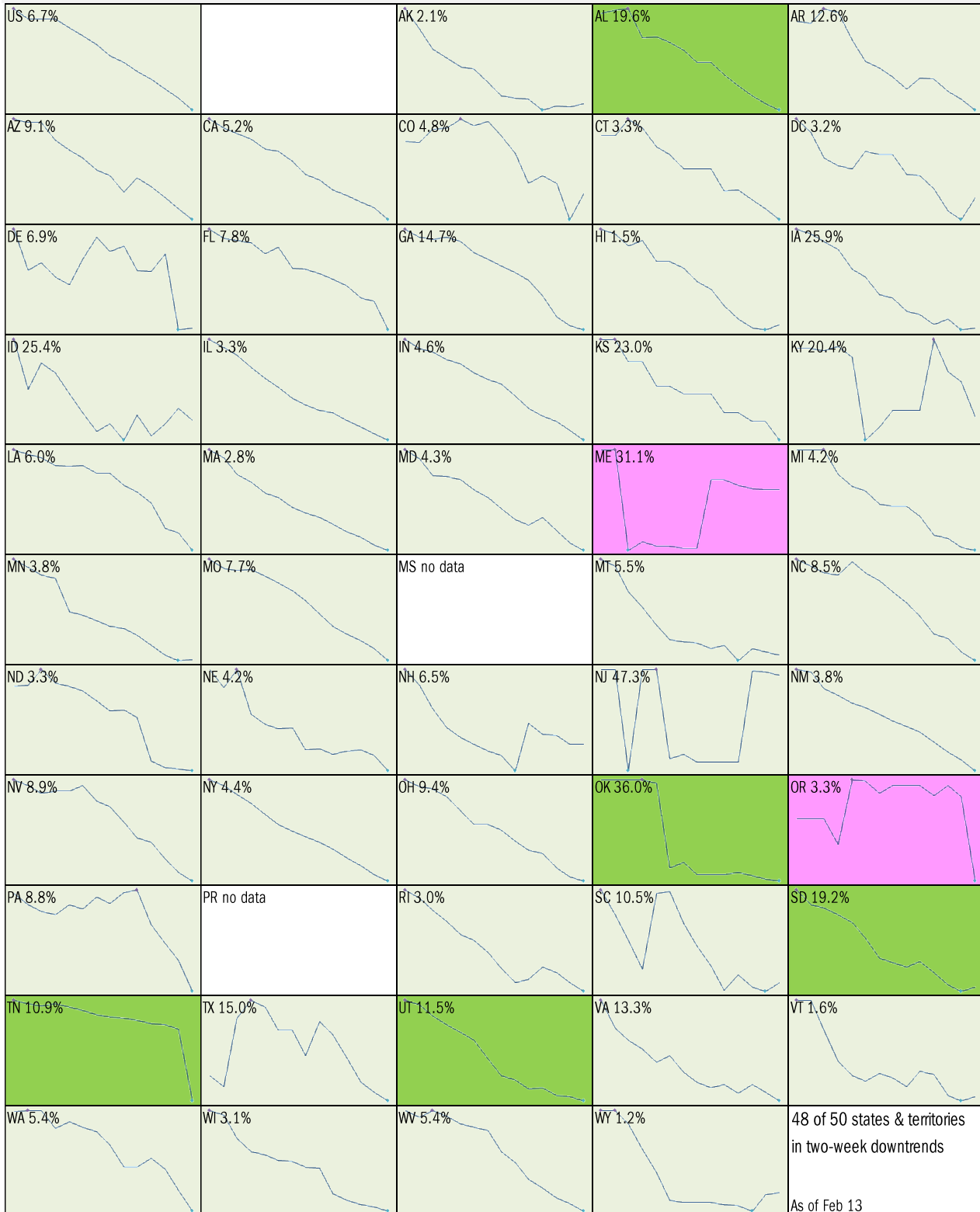


Source: [Covid Tracking Project](#), TrendMacro calculations

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

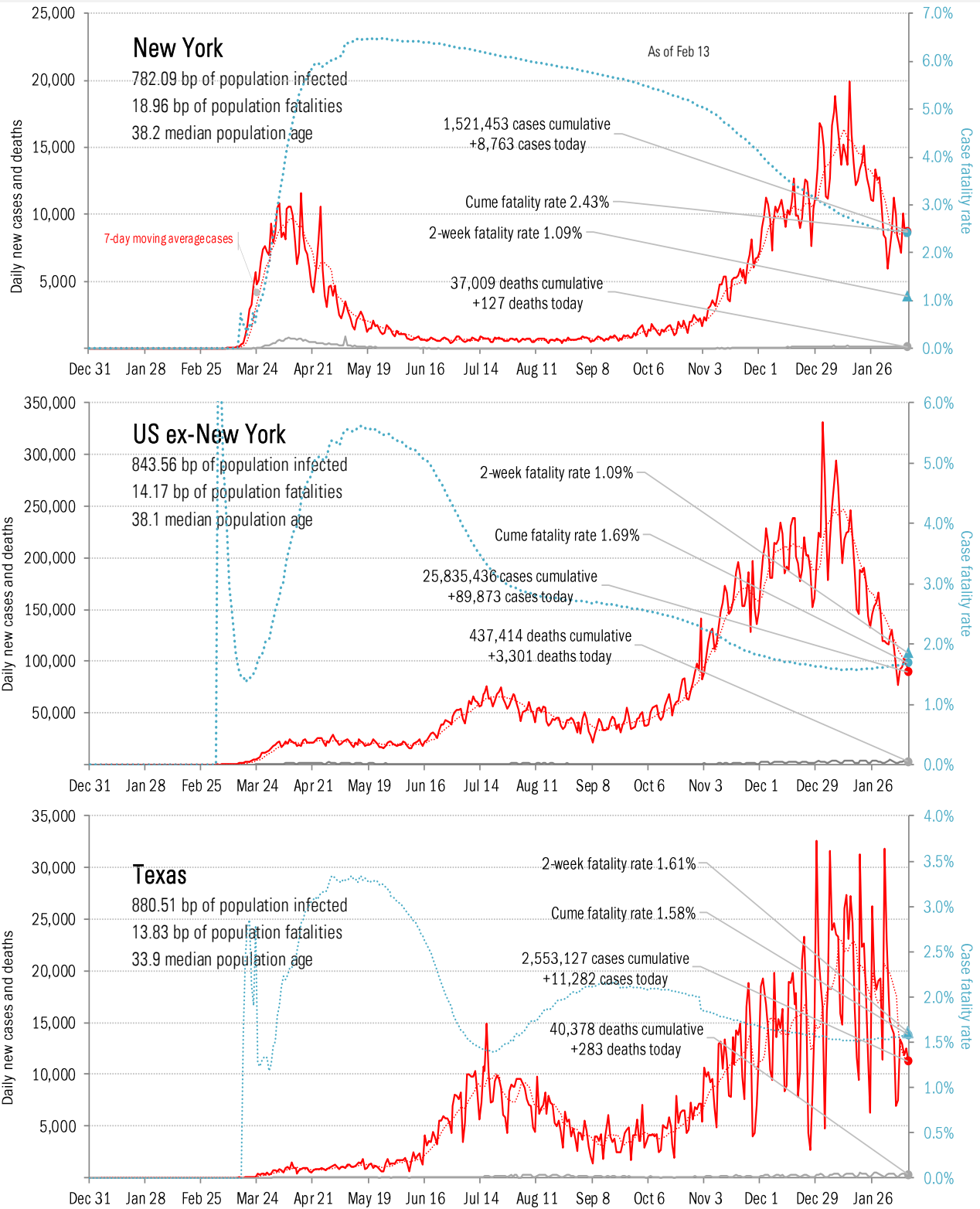
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



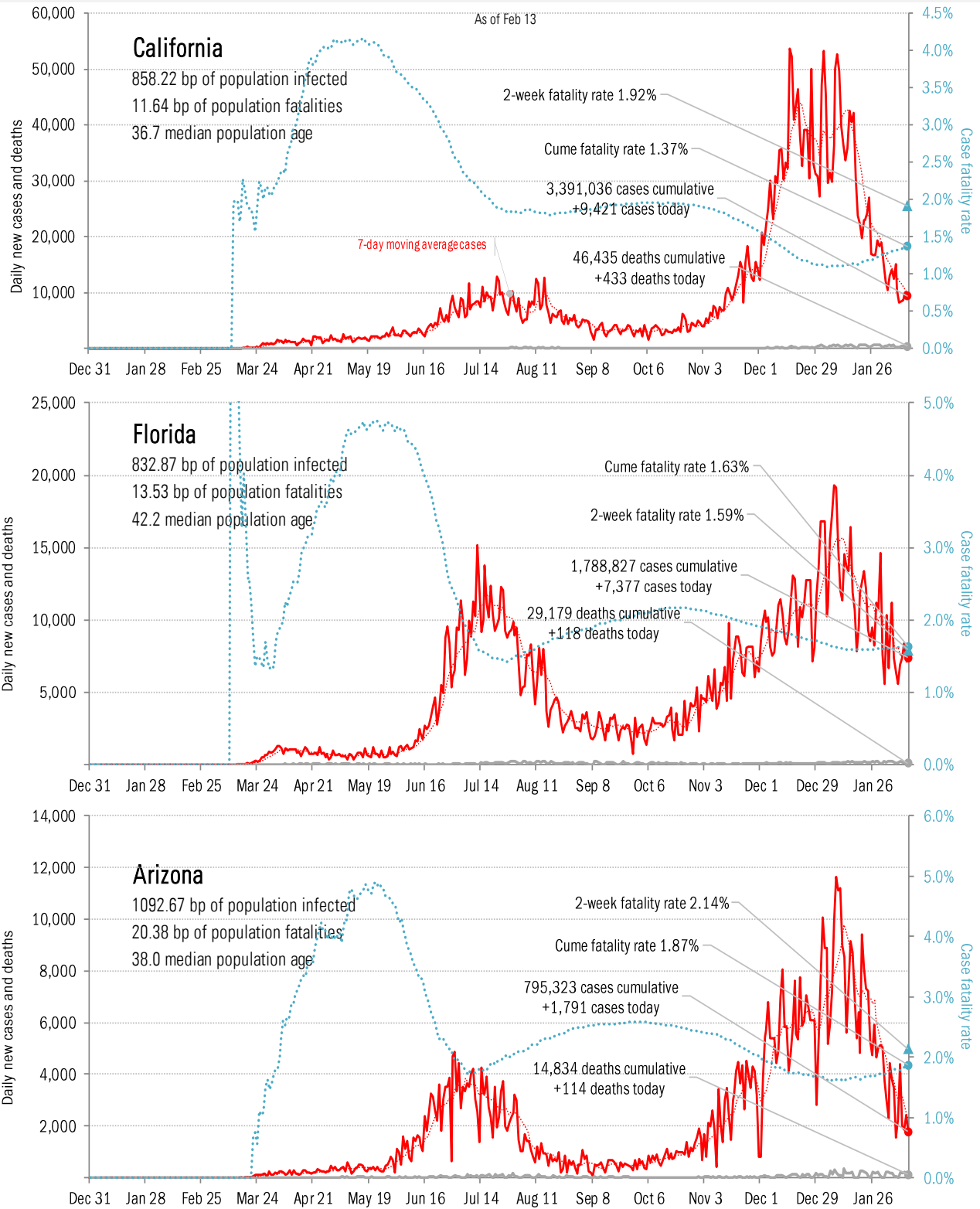
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



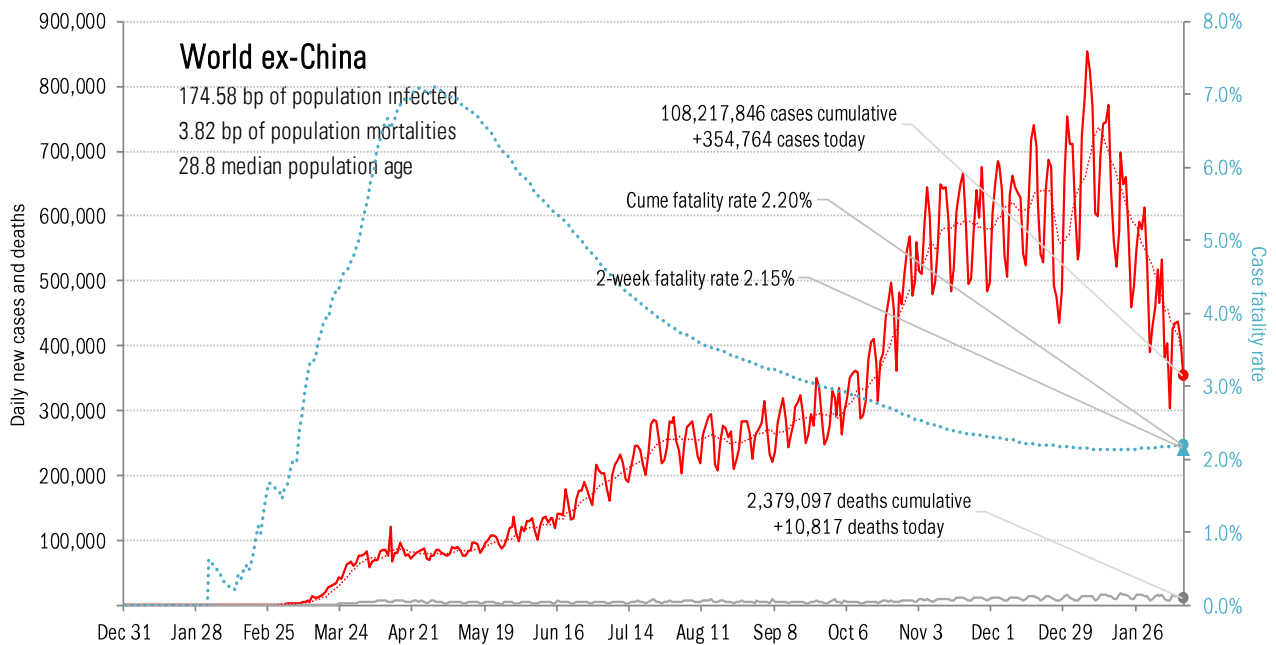
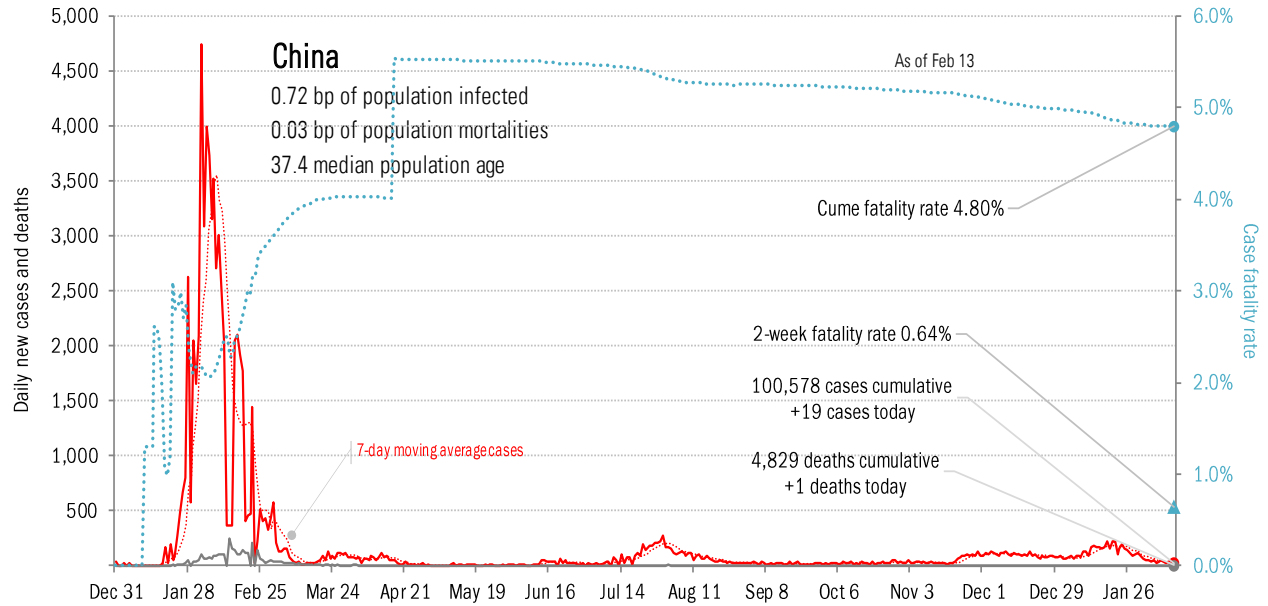
Source: [Covid Tracking Project](#), TrendMacro calculations

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



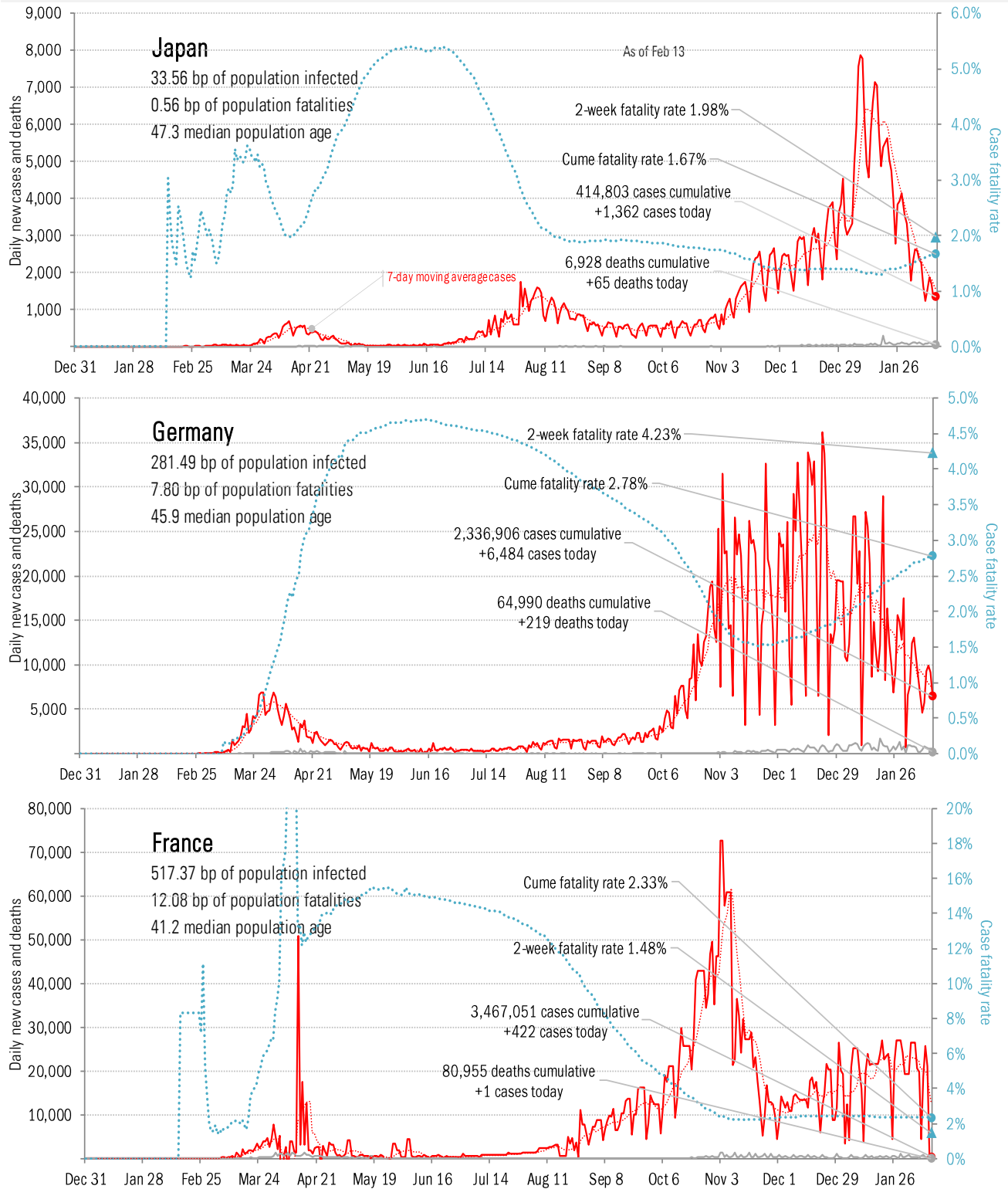
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



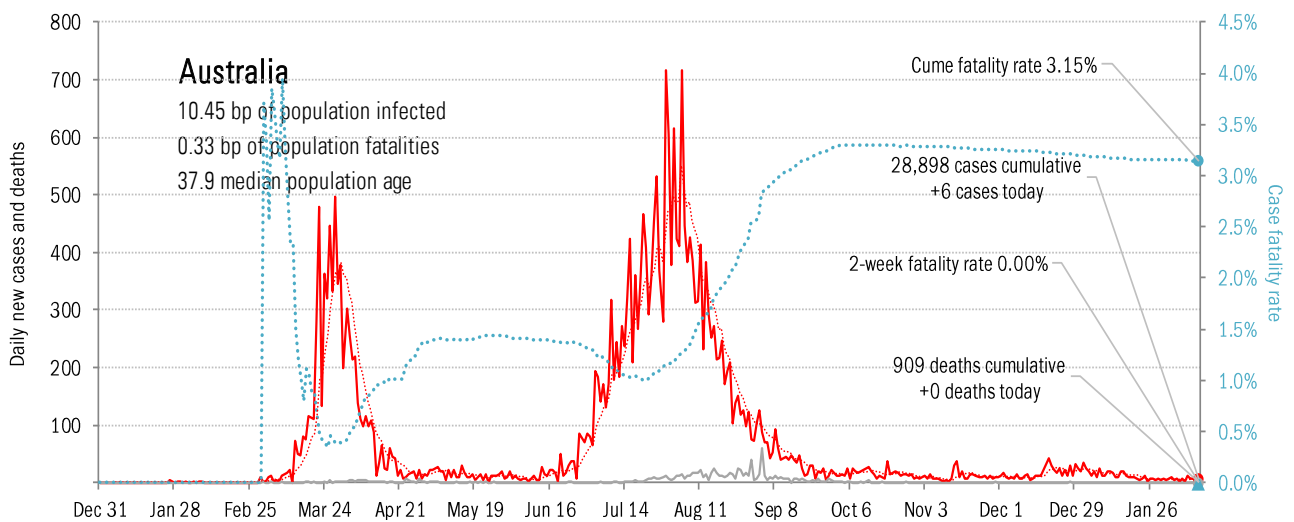
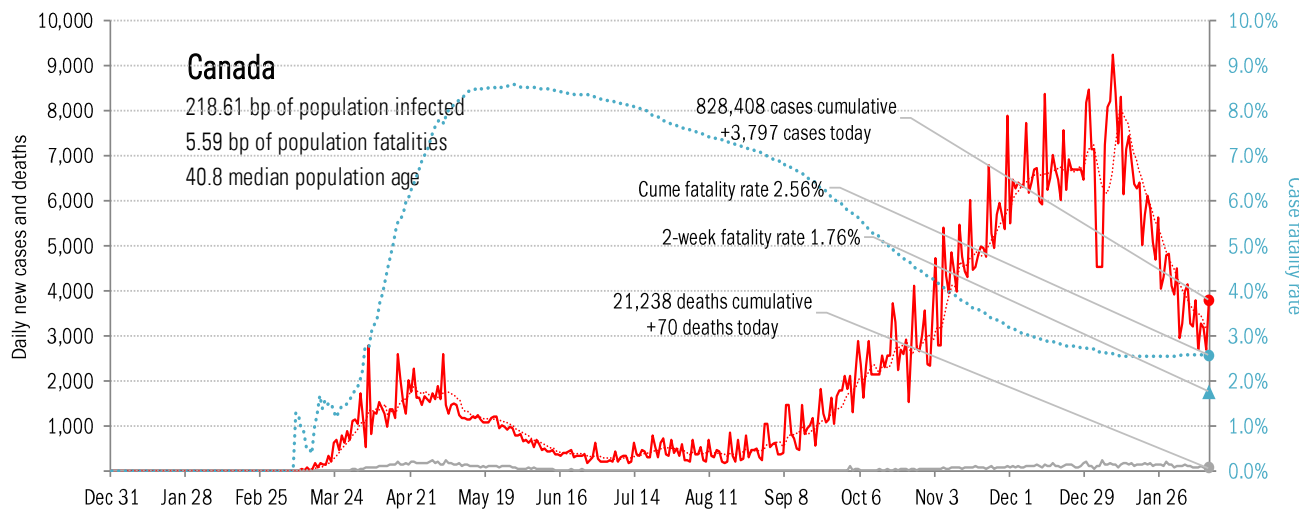
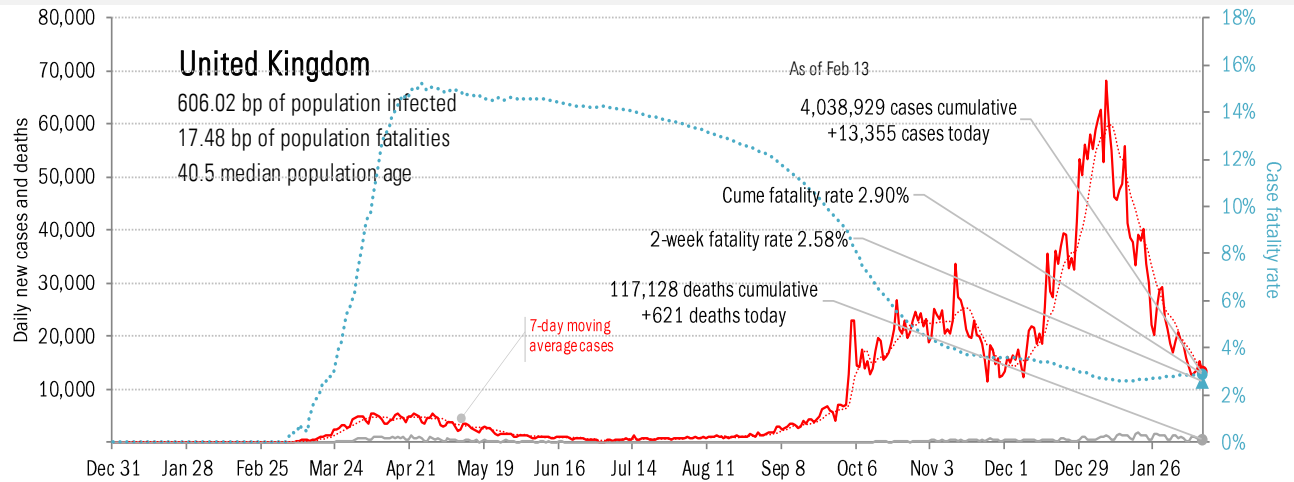
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



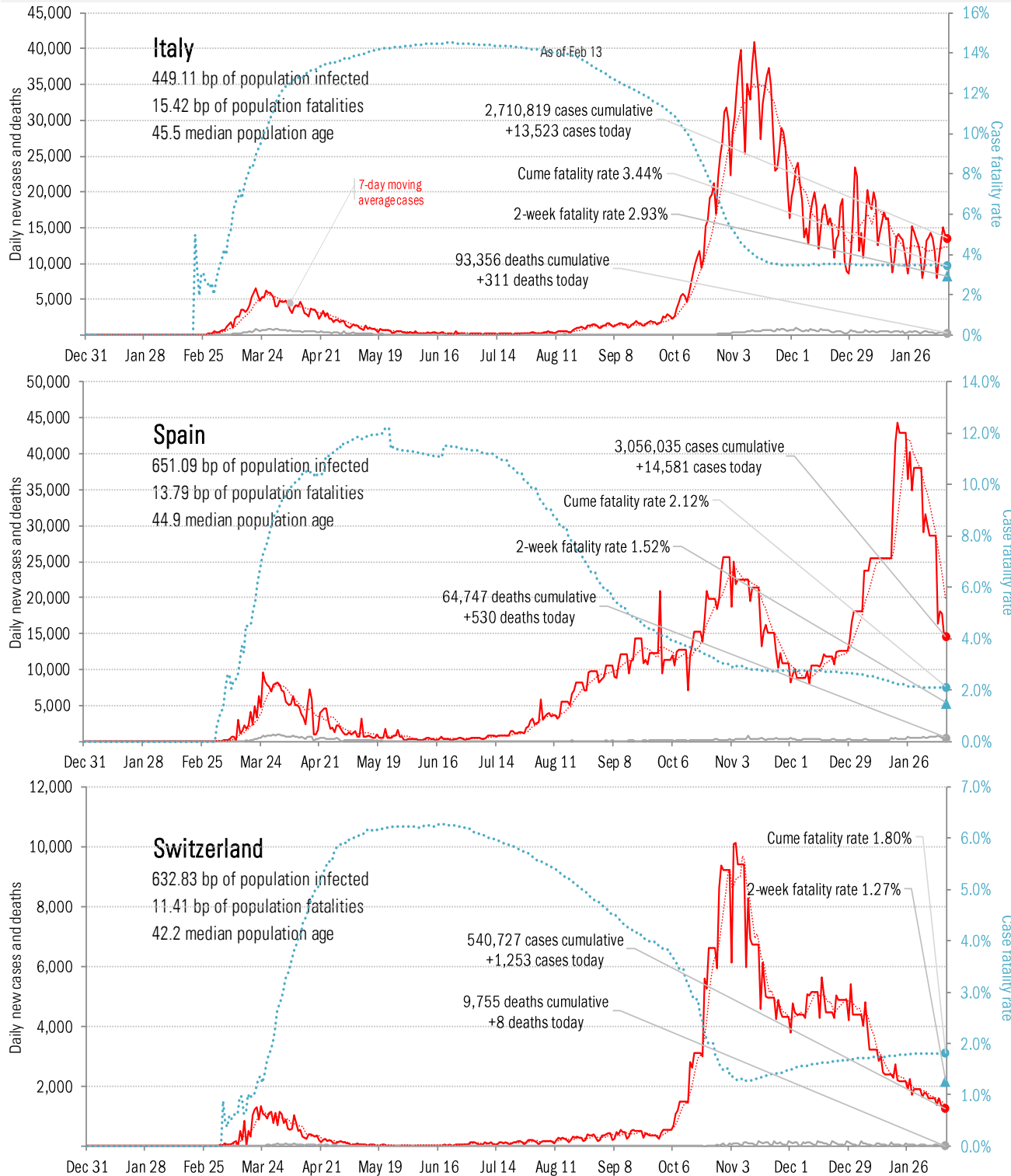
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



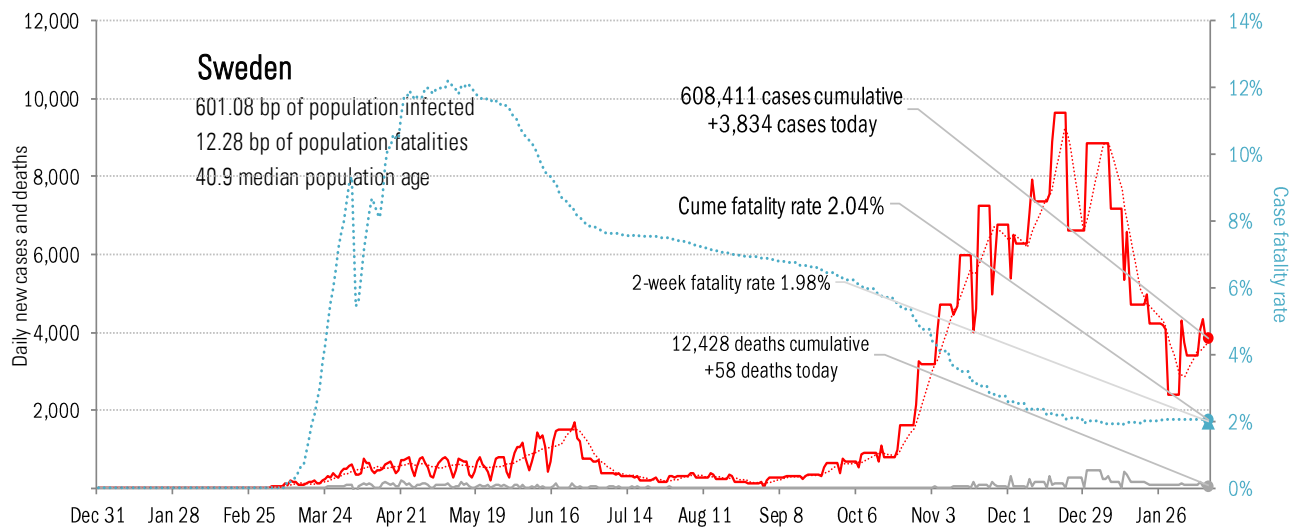
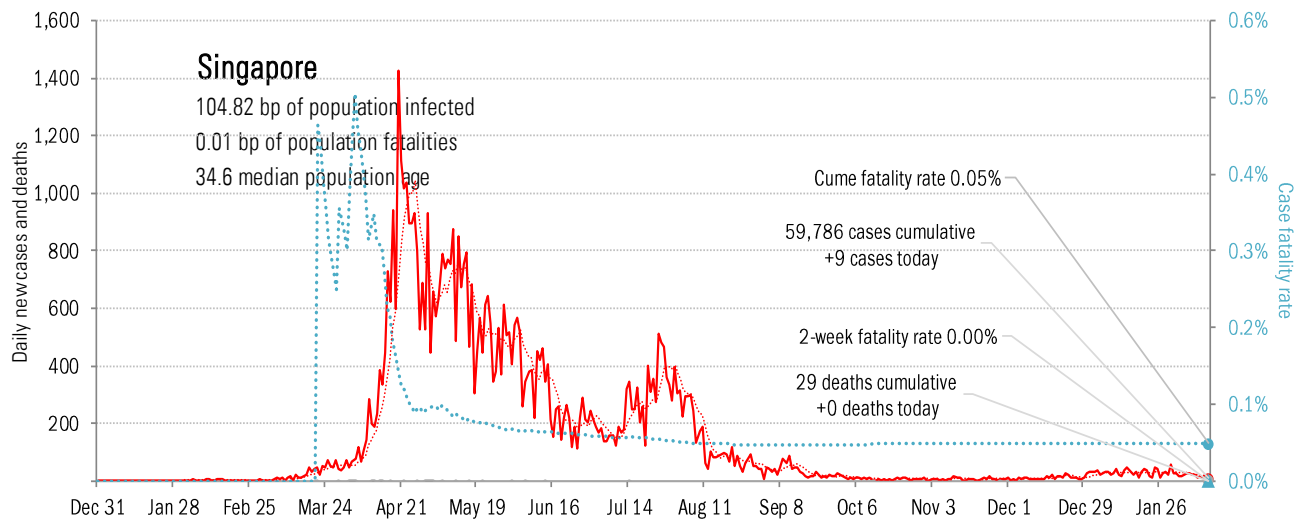
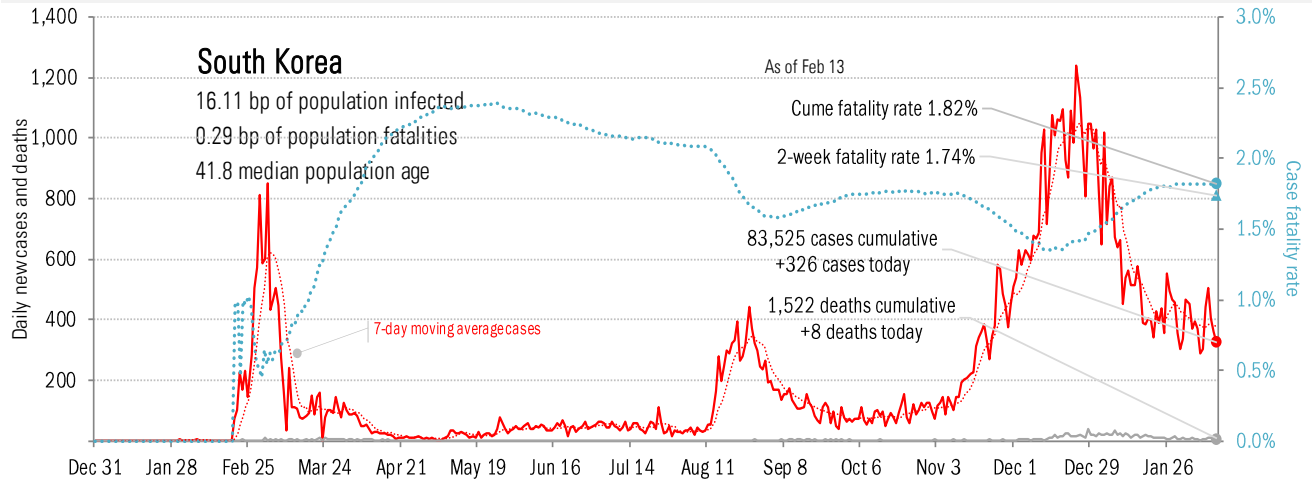
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



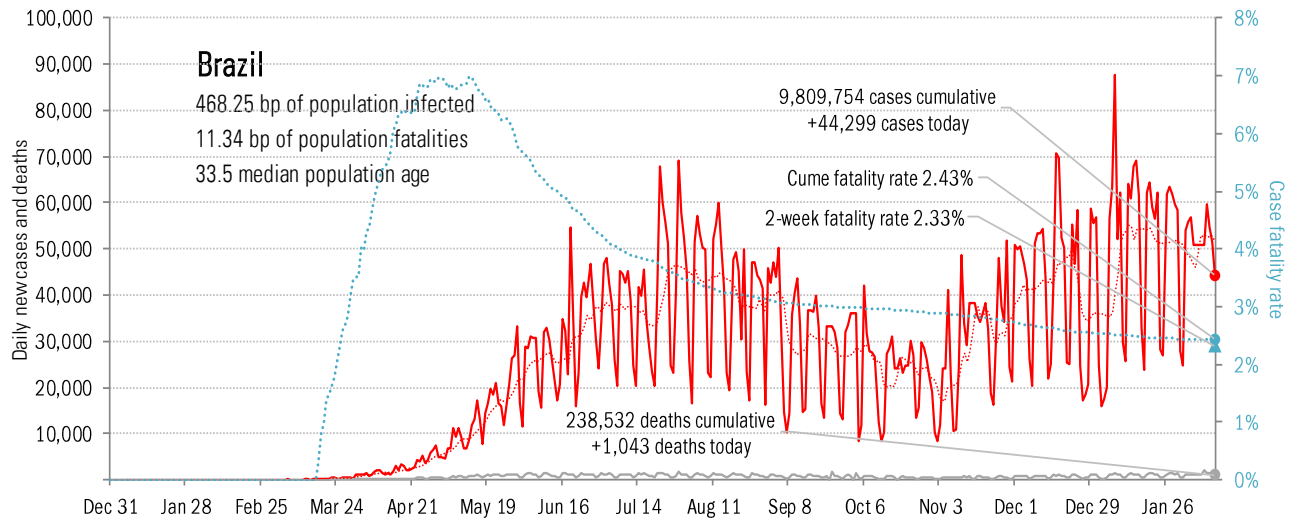
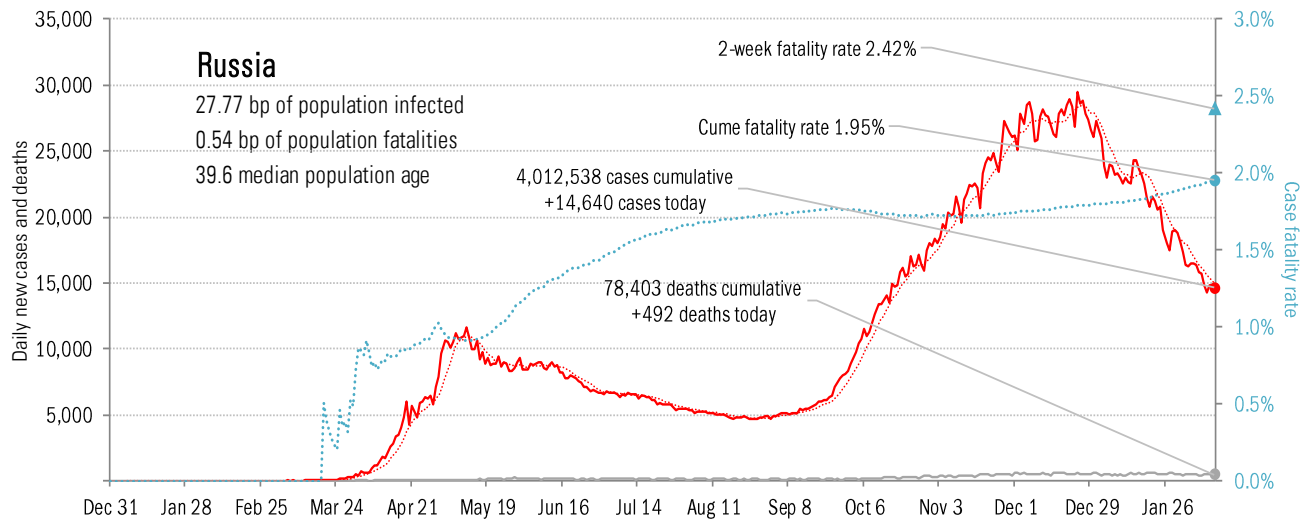
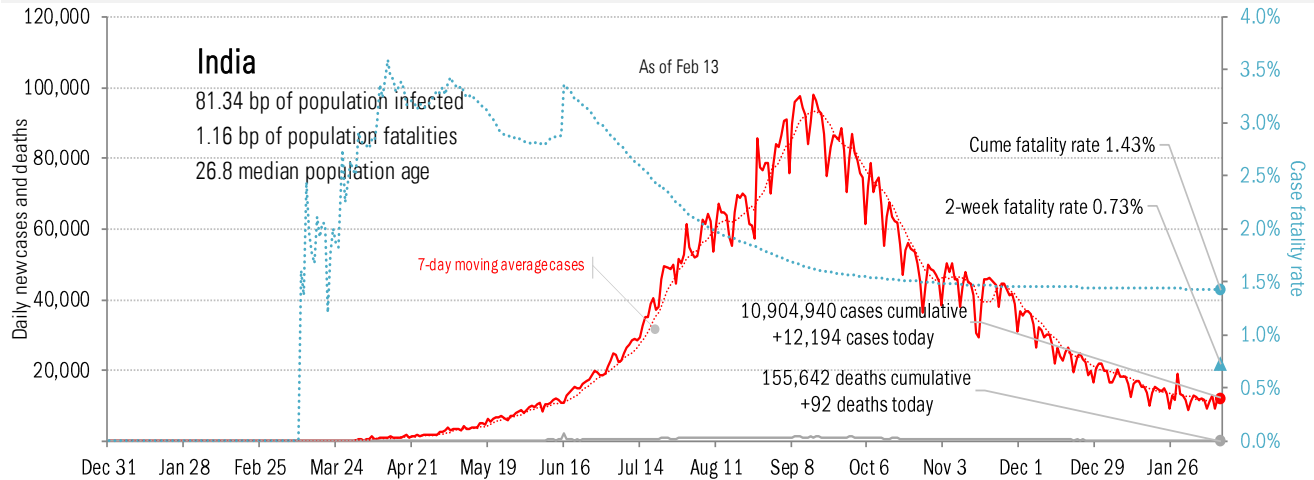
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



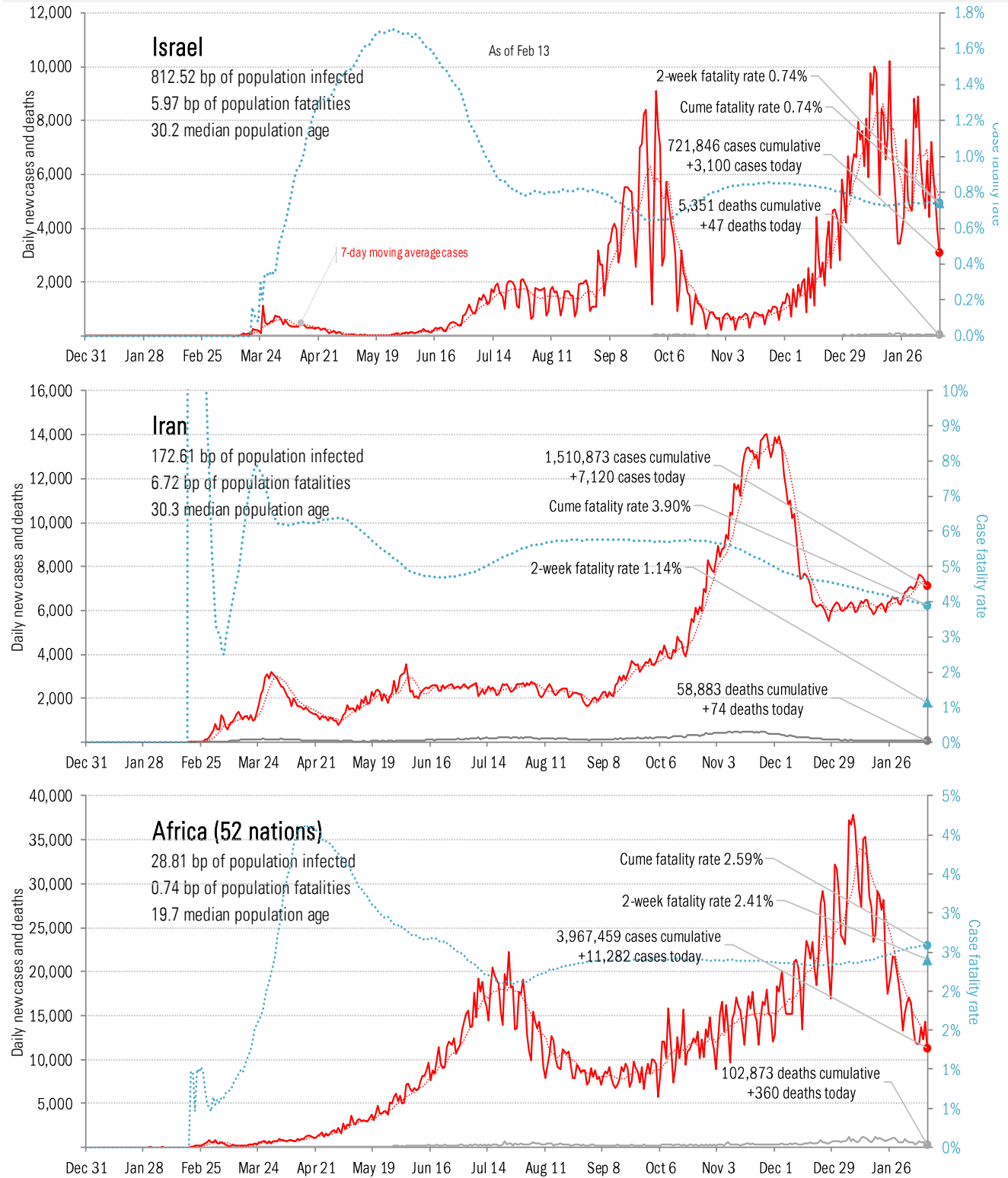
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



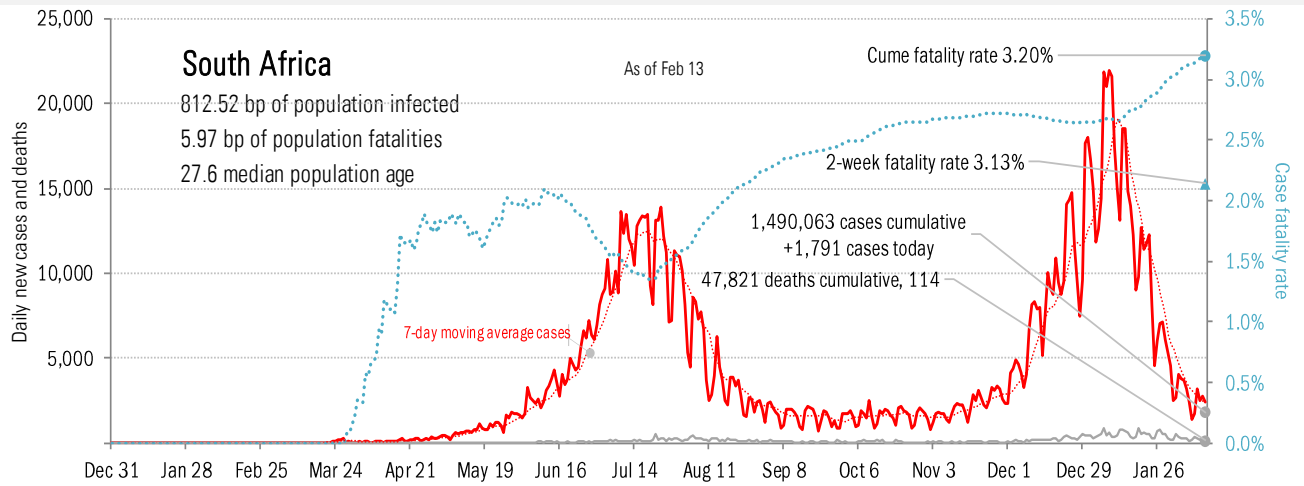
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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