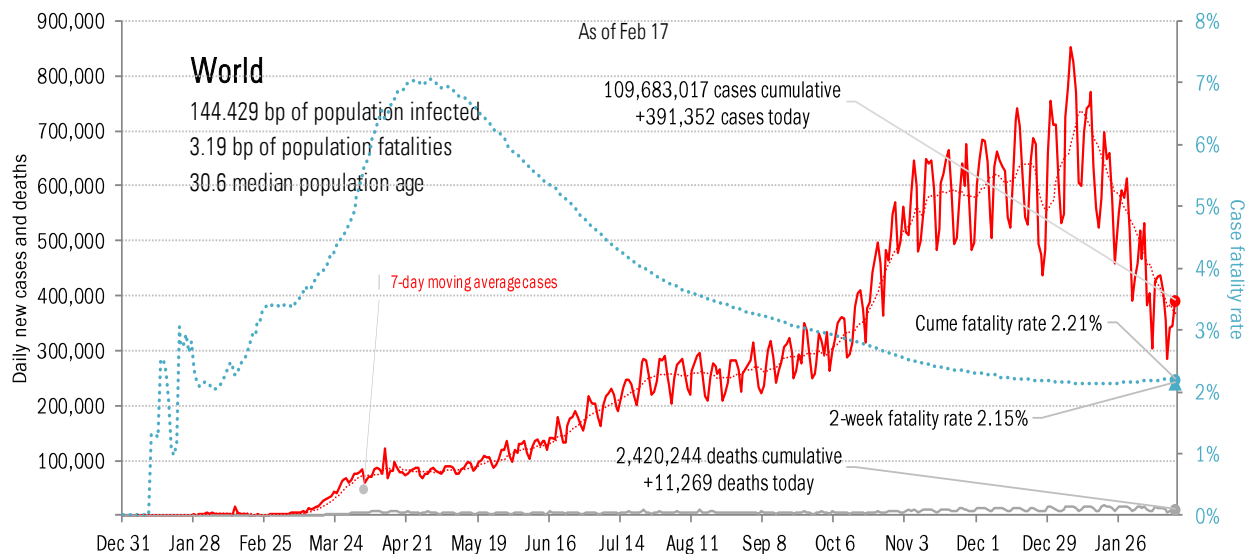
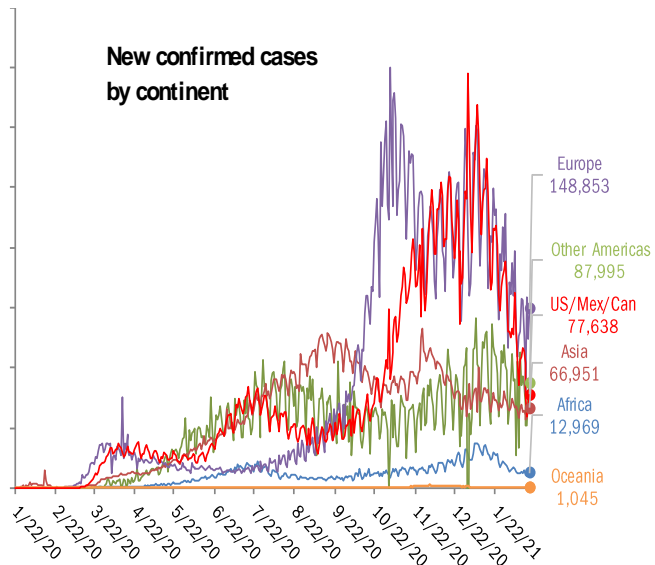


Data Insights: Covid-2019 Monitor

Thursday, February 18, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+66,089	United States	+2,336
Brazil	+56,766	Brazil	+1,150
France	+25,186	Mexico	+1,075
India	+12,881	Germany	+903
United Kingdom	+12,760	United Kingdom	+738
Czechia	+12,668	Russia	+459
Russia	+12,629	Italy	+369
Italy	+12,066	Spain	+337
Spain	+10,829	France	+310
Indonesia	+9,687	Poland	+280
+231,561		+7,957	
World +391,352		World +11,269	
Top ten 59%		Top ten 71%	



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

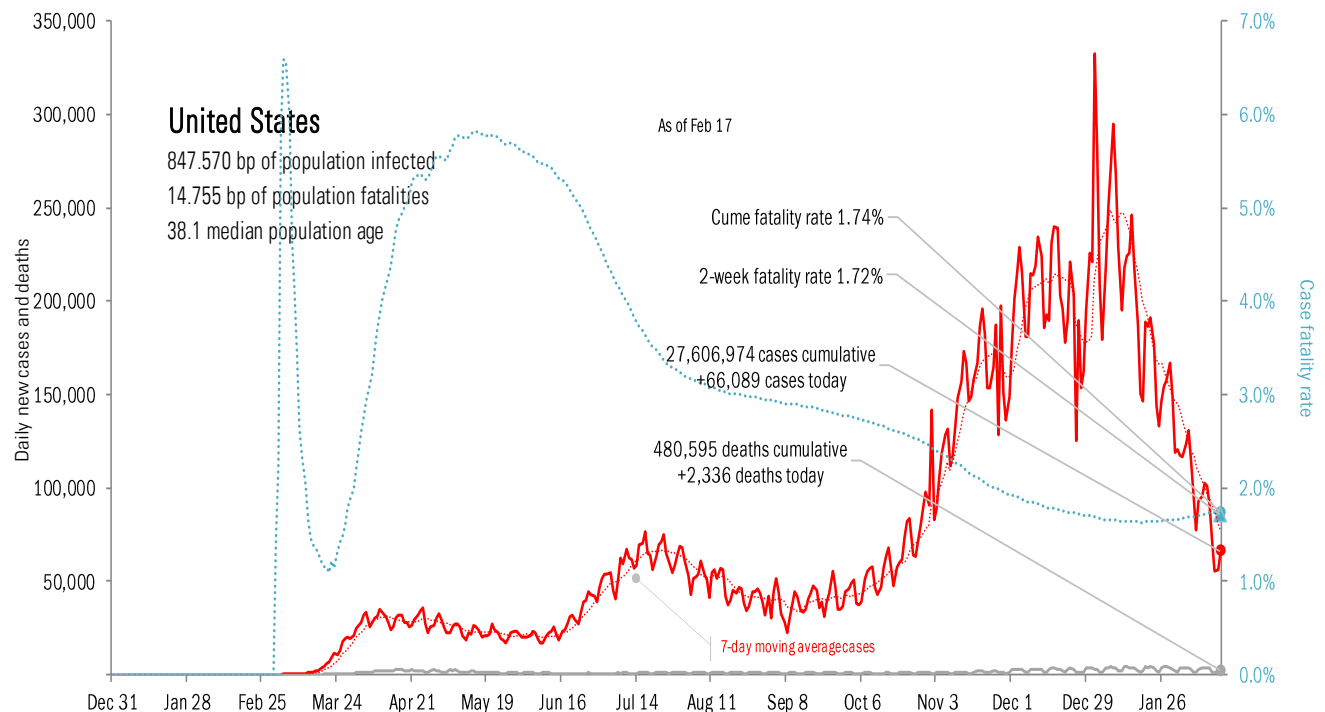
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use		
FL	+7,185		CA	+400		GA	+57		CA	3,416,147		CA	47,507		NY	89,995		RI	100%		AL	87%
NY	+6,092		PA	+193		CO	+41		TX	2,571,063		TX	40,717		FL	77,994		FL	80%		GA	86%
NJ	+4,109		FL	+165		TN	+26		FL	1,811,078		NY	37,440		NJ	62,718		SC	80%		DC	85%
CA	+4,090		NJ	+135		KS	+21		NY	1,548,979		FL	29,824		AZ	55,983		GA	80%		TX	82%
TX	+3,766		KS	+115		PR	+21		IL	1,166,717		PA	23,319		GA	53,880		CT	78%		FL	81%
GA	+3,545		NY	+112		DE	+9		GA	973,247		NJ	22,632		CH	48,888		MA	78%		CA	80%
PA	+3,413		NC	+108		NE	+8		CH	945,107		IL	22,224		AL	44,541		PA	77%		MS	79%
NC	+3,167		GA	+99		OR	+5		PA	902,650		CH	16,513		IN	42,086		MD	76%		MO	79%
VA	+2,284		AL	+89		VT	+4		NC	829,507		GA	16,273		MD	34,078		DC	76%		OK	79%
SC	+1,916		AZ	+82		DC	+2		AZ	801,055		MI	16,160		WI	25,498		CA	74%		NC	78%
+39,567			+1,498			+194			14,965,550			272,609			535,661							
All states	+66,089			+2,336			-1135		All states	27,606,974			480,595			848,240		All states	71%			72%
Top ten	60%			64%			-17%		Top ten	54%			57%			63%		Median	70%			68%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-1,602	CA	-46,707	FL	-151	LA	+16,161
NY	-661	TX	-40,573	AL	-91	TX	+11,037
AK	-391	NY	-37,216	PA	-91	CH	+4,655
PR	-369	FL	-29,494	NV	-51	PA	+3,004
KY	-231	PA	-22,933	NJ	-44	TN	+2,719



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

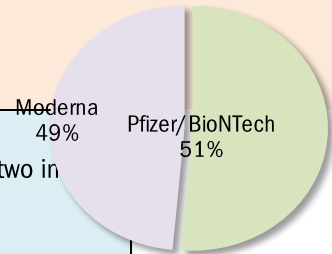
Rolling out the vaccines in the US

US overall	Over last day
72.42 million doses distributed	+0.77 million/day
56.28 million doses administered	+1.06 million/day
40.27 million persons with one shot	+0.60 million/day
15.47 million persons with two shots	+0.46 million/day
6.07 million shots long-term care residents/staff	+0.10 million/day

77.7% of distributed doses administered

12.1% of US pop 1 shot 4.6% 2 shots

100% of LTC 1 shot 39.6% 2 shots



At today's dosing pace,
every American will have two in
565 days
by Sep 5, 2022

US will achieve herd immunity in
266 days
by Nov 9, 2021

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

AK
37.1%
17.9%
8.5%

ME
23.9%
13.0%
4.9%

WI
21.3%
12.9%
4.3%

VT
24.1%
12.6%
5.9%

NH
23.7%
11.2%
4.9%

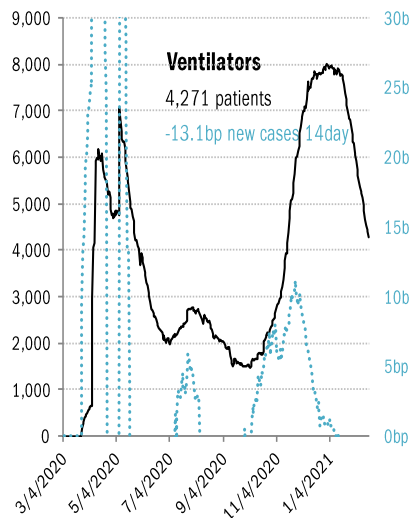
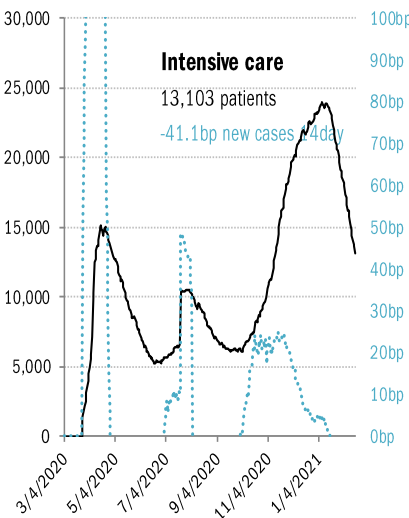
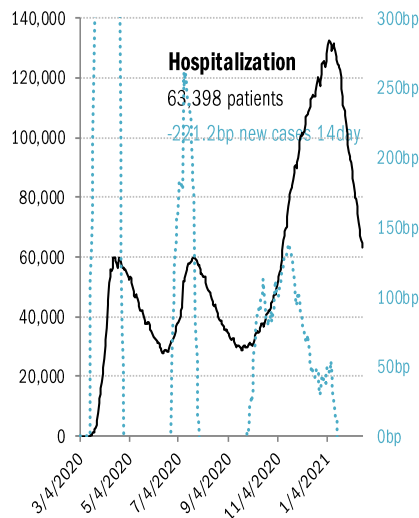
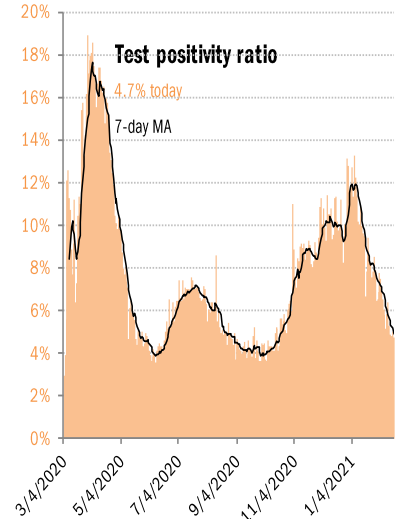
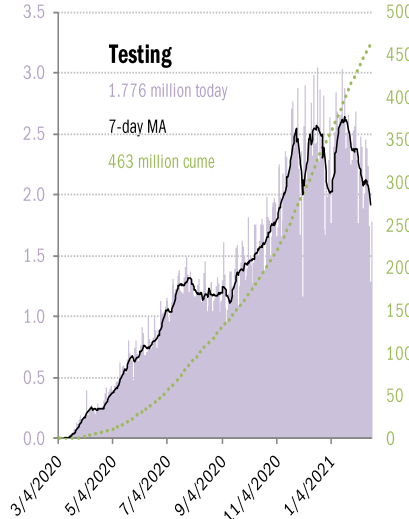
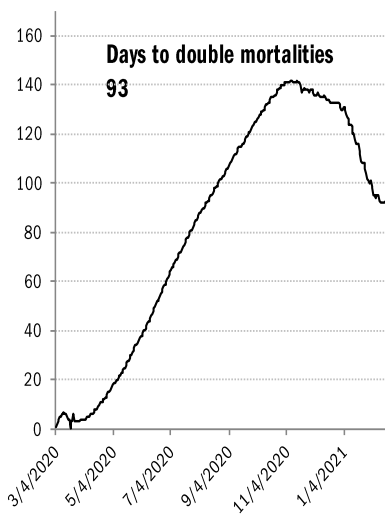
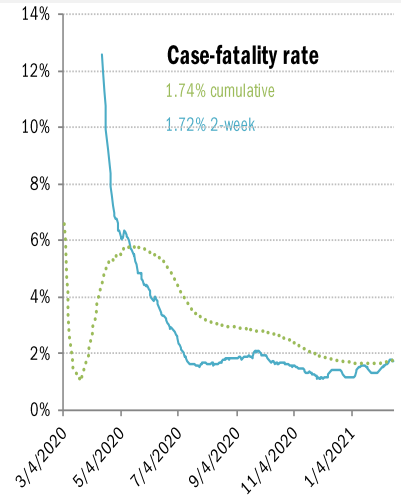
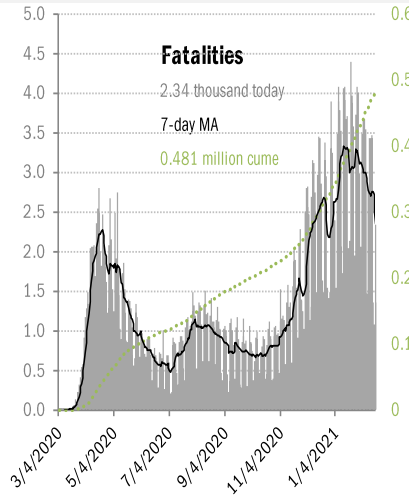
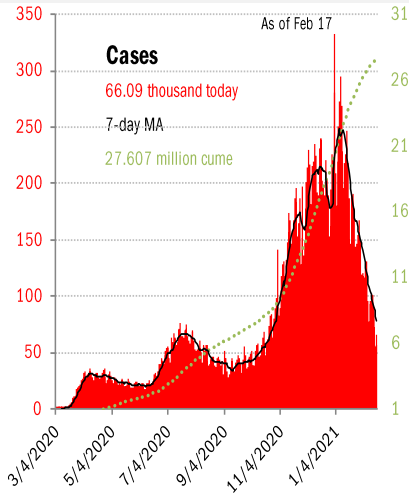
WA 19.7% 11.8% 4.1%	ID 18.7% 10.7% 3.8%	MT 19.4% 12.4% 4.8%	ND 21.4% 13.4% 6.5%	MN 20.7% 12.1% 4.3%	IL 21.3% 12.1% 3.4%	MI 21.5% 11.4% 5.3%	NY 20.7% 11.0% 4.9%	MA 22.1% 12.8% 4.2%	VT 24.1% 12.6% 5.9%	NH 23.7% 11.2% 4.9%
OR 20.8% 11.6% 4.8%	NV 19.3% 11.1% 3.6%	WY 22.0% 12.5% 4.8%	SD 21.4% 12.8% 5.9%	IA 19.6% 11.7% 3.9%	IN 21.5% 11.9% 4.7%	OH 20.3% 11.3% 4.2%	PA 21.2% 11.3% 3.9%	NJ 20.2% 12.0% 4.6%	CT 25.7% 14.3% 6.1%	RI 22.1% 9.8% 4.5%
CA 21.3% 12.1% 3.8%	UT 18.9% 9.8% 3.7%	CO 21.4% 12.2% 5.5%	NE 22.1% 10.4% 4.8%	MO 18.6% 10.4% 4.0%	KY 20.4% 11.5% 4.5%	WV 24.6% 14.0% 8.1%	VA 20.1% 12.4% 4.3%	MD 20.6% 10.7% 4.2%	DE 19.4% 12.2% 3.7%	
	AZ 19.2% 12.3% 3.7%	NM 21.7% 14.4% 6.6%	KS 20.0% 10.2% 3.6%	AR 21.5% 11.4% 4.6%	TN 20.6% 10.0% 4.6%	NC 19.8% 11.7% 4.9%	SC 18.2% 10.7% 3.7%	DC 27.5% 12.5% 5.7%		
			OK 20.6% 12.3% 5.2%	LA 19.4% 11.4% 5.6%	MS 20.6% 10.7% 4.0%	AL 21.1% 10.1% 3.1%	GA 20.1% 9.8% 3.8%			
			TX 17.6% 10.6% 4.3%					FL 21.9% 11.6% 5.5%		PR 22.4% 8.7% 3.5%

As of Feb 17

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

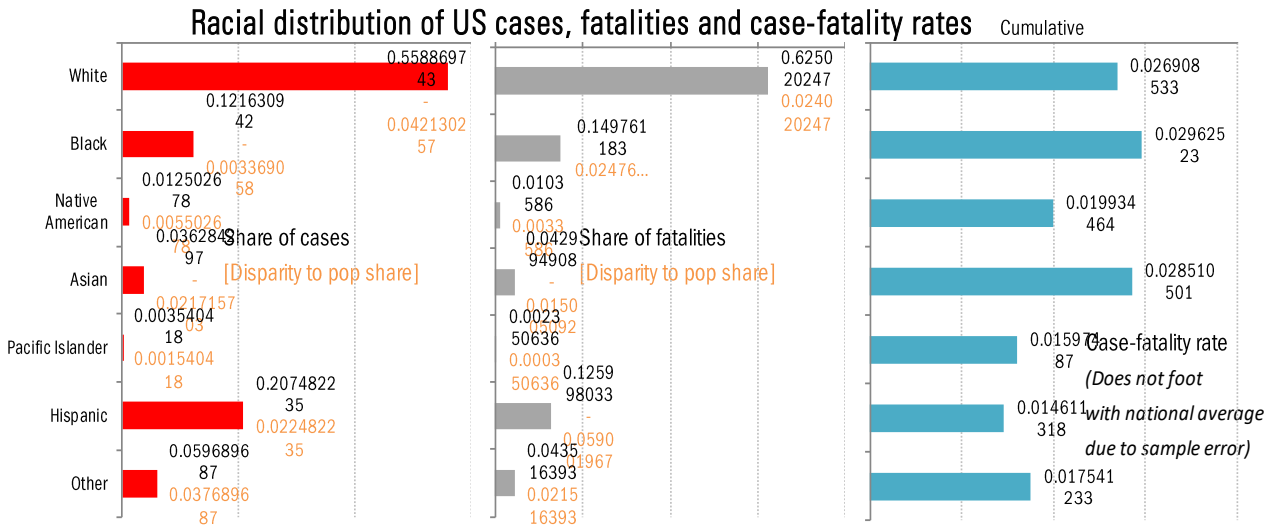
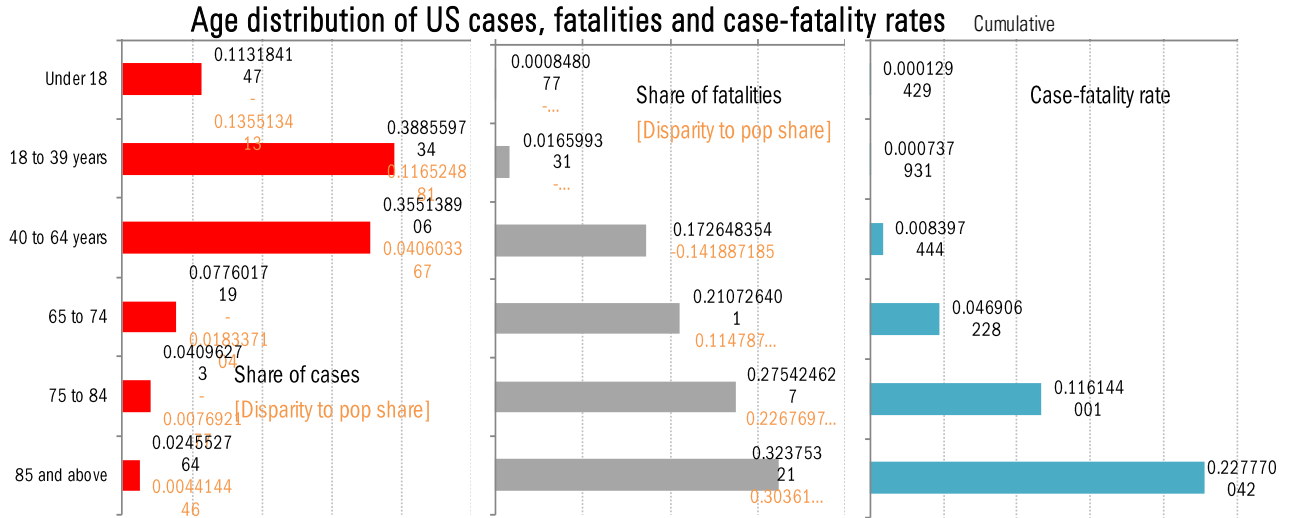
US deep-dive

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

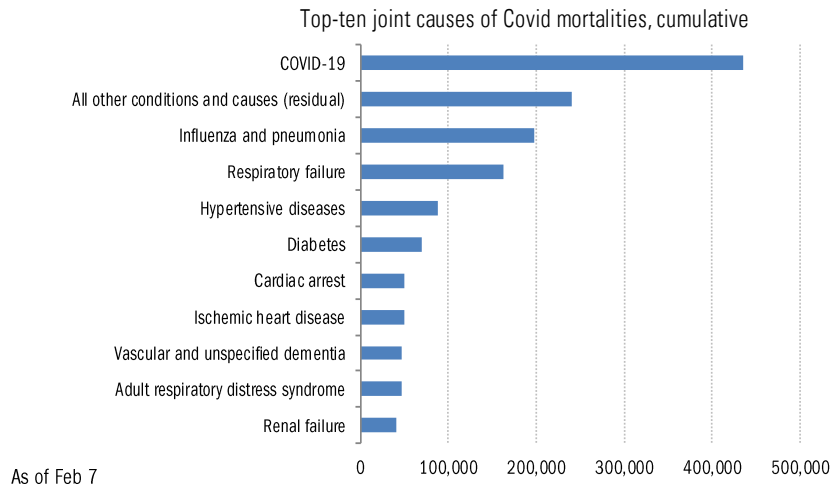


Source: [Covid Tracking Project](#), TrendMacro calculations

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

[FBI, US Attorney investigating NY Gov. Cuomo administration handling of nursing home crisis](#)

Thomas Barrabi
Fox News
February 17, 2021

[Cuomo said 'he can destroy me': NY assemblyman alleges governor threatened him over nursing homes scandal](#)

MJ Lee and Mark Morales
CNN
February 17, 2021

[Anatomy of the Nursing Home Death Warrants](#)

Jordan Schachtel
American Institute for Economic Research
February 16, 2021

[Therapeutics Distribution Locations](#)

Department of Health and Human Services

['There is nothing to investigate': Gov. Andrew Cuomo defends New York's handling of COVID-19 in nursing homes](#)

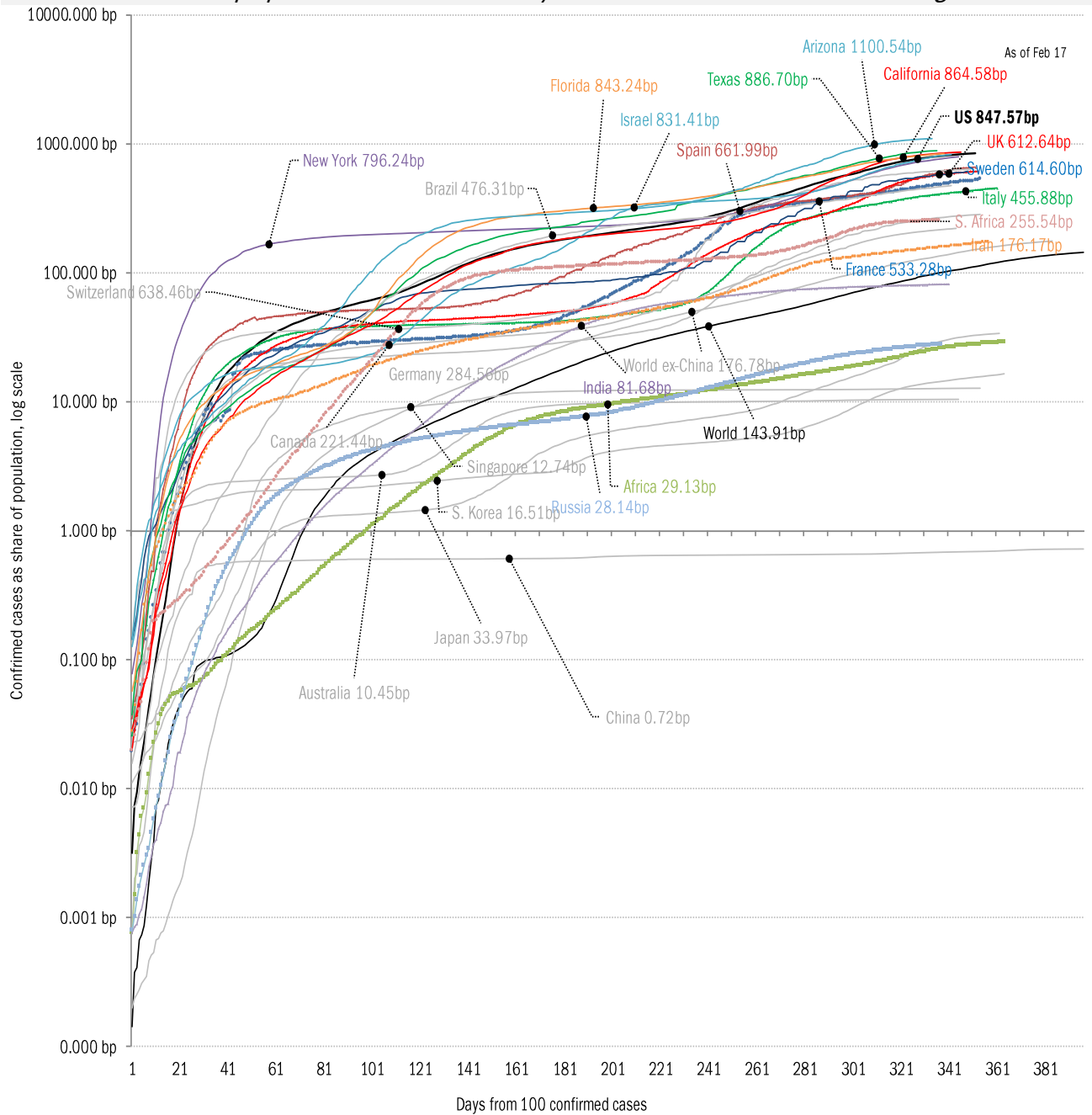
David Robinson
USA Today
February 15, 2021

Meme of day



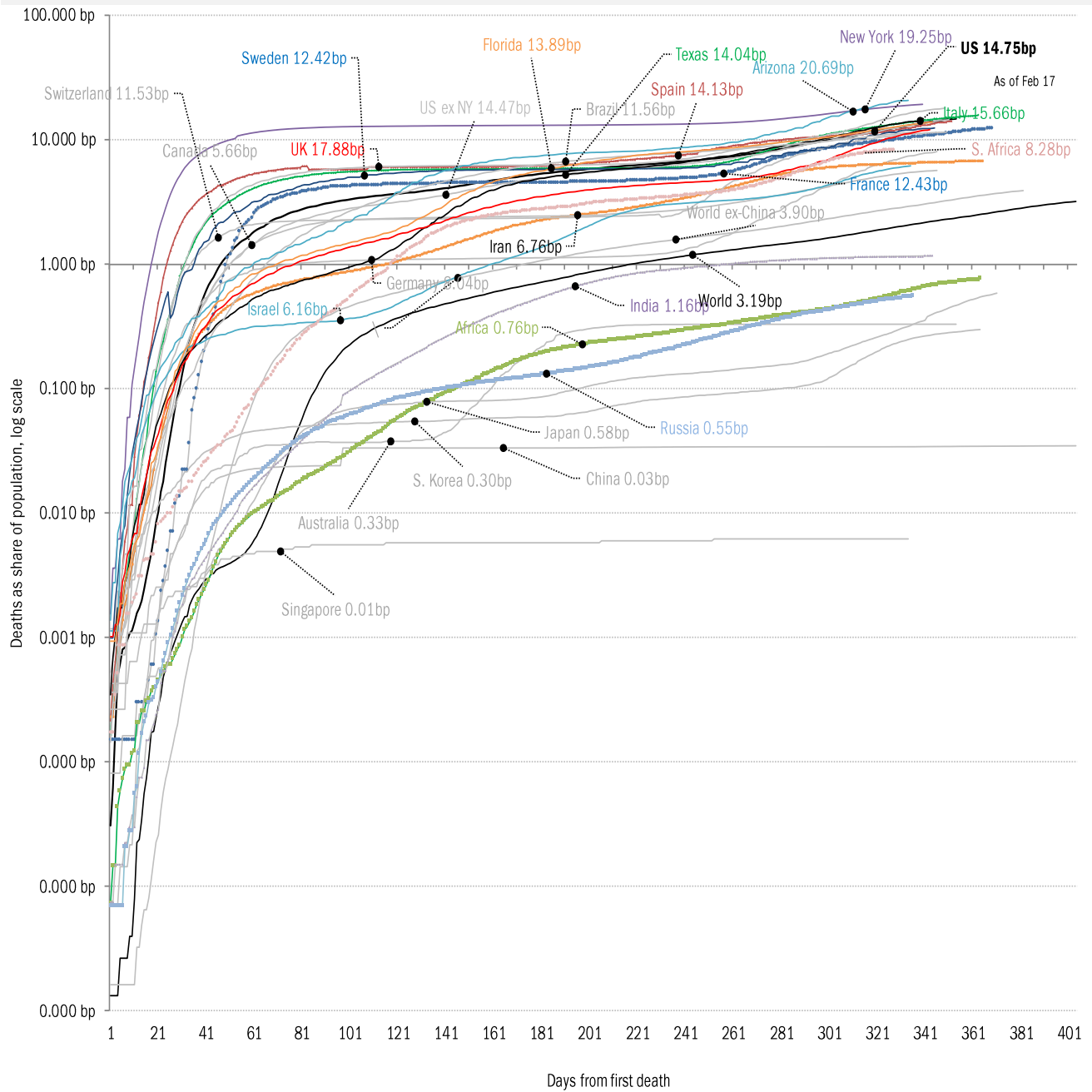
Source: Our beloved clients, and [Power Line blog "The Week in Pictures"](#)

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

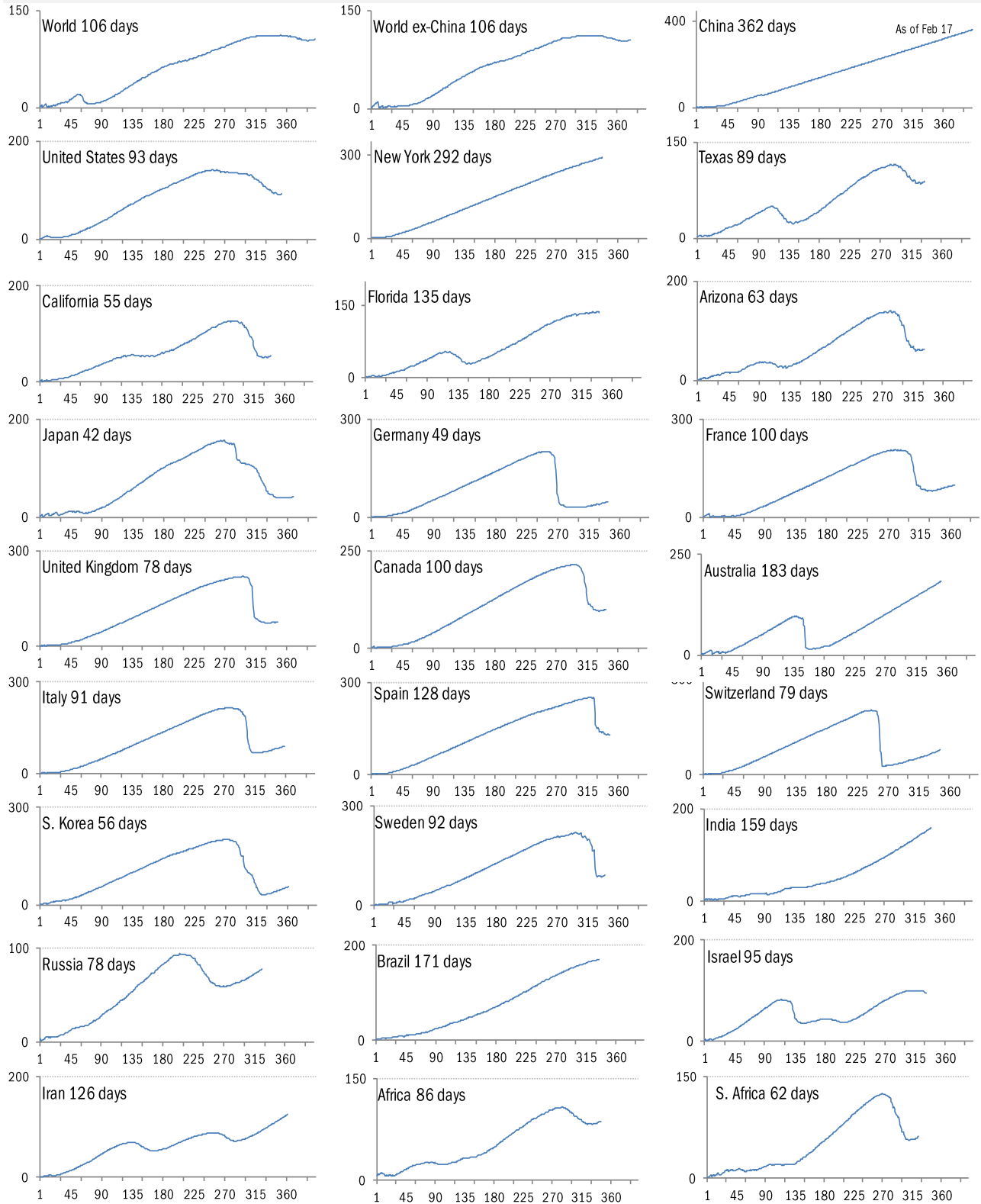


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

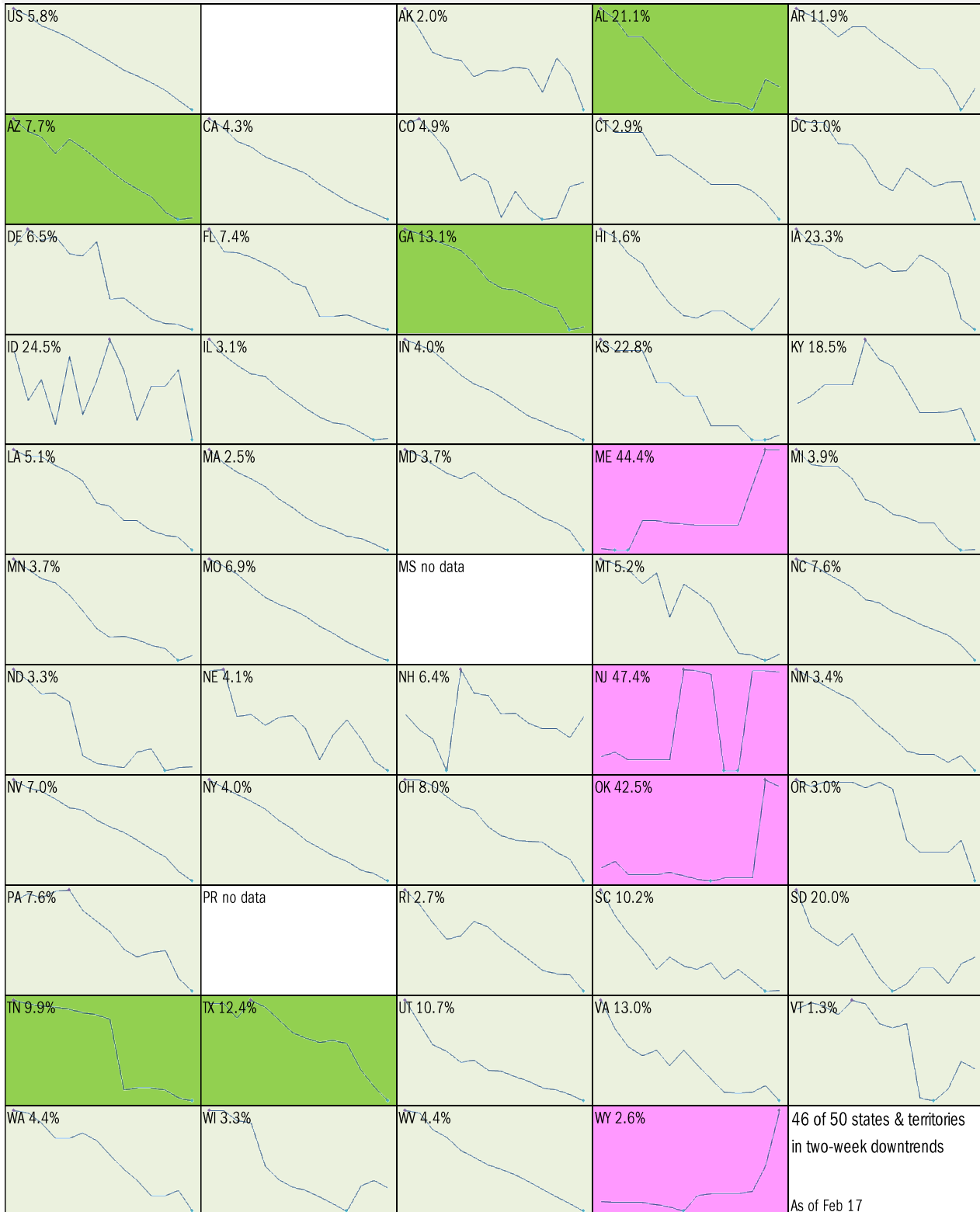


Source: [Covid Tracking Project](#), TrendMacro calculations

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

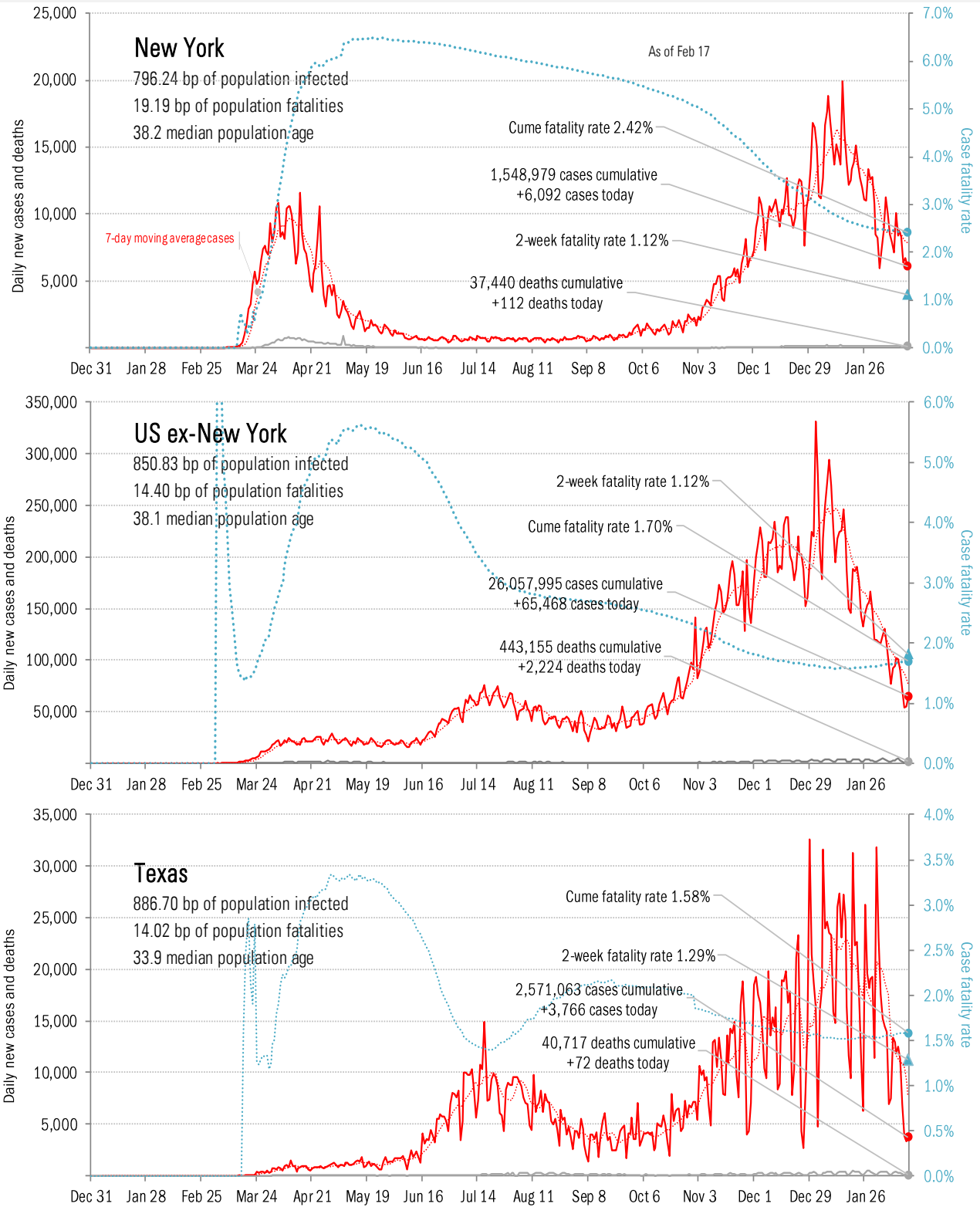
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



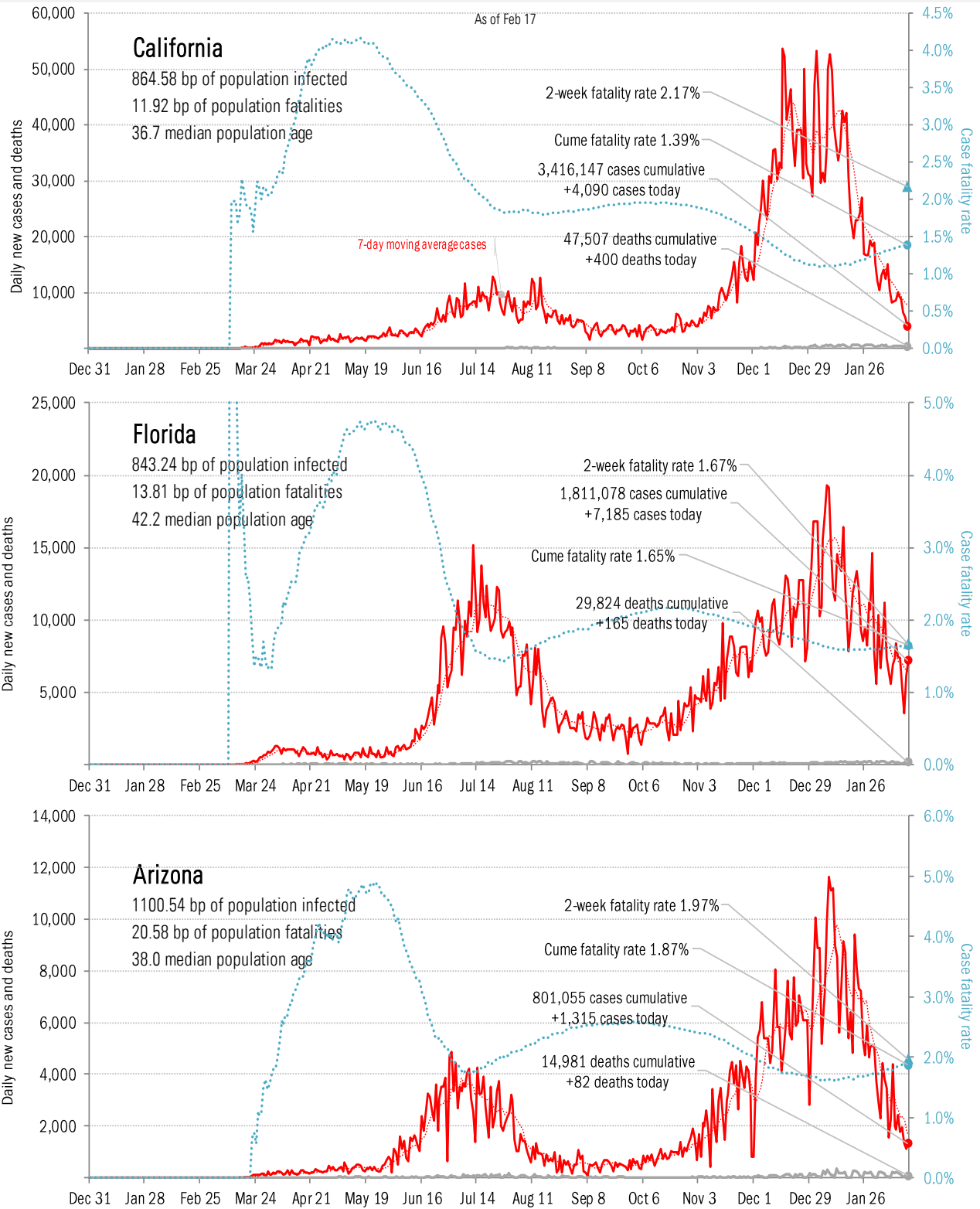
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



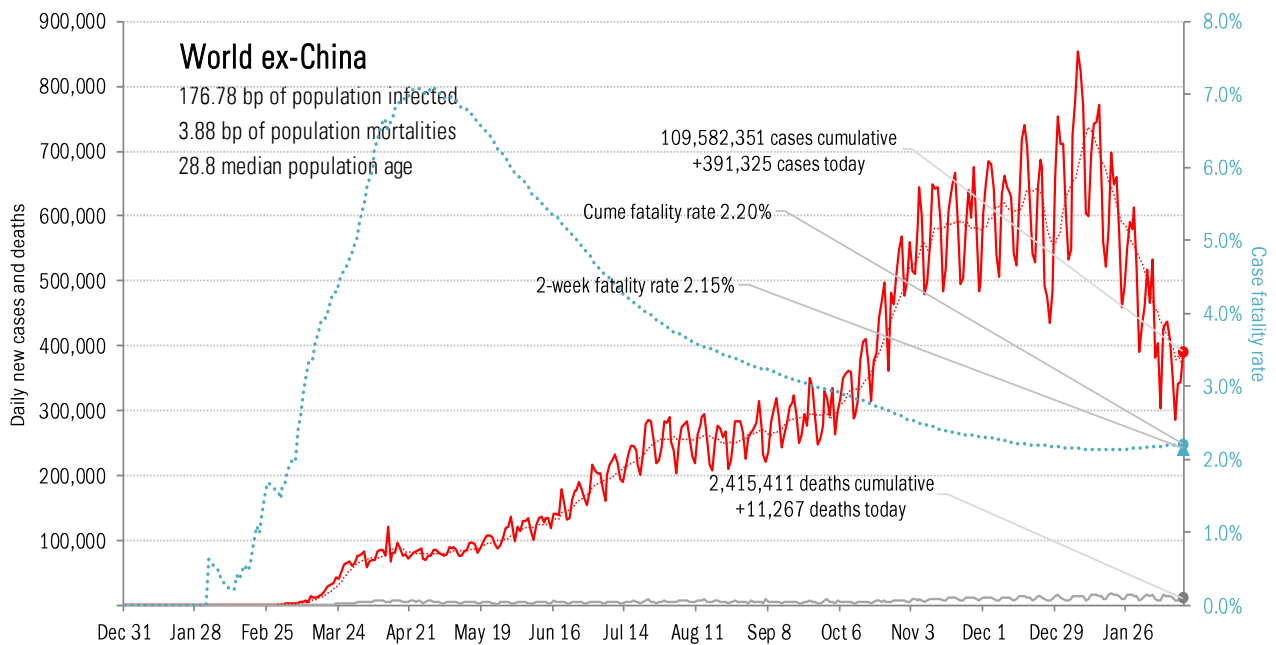
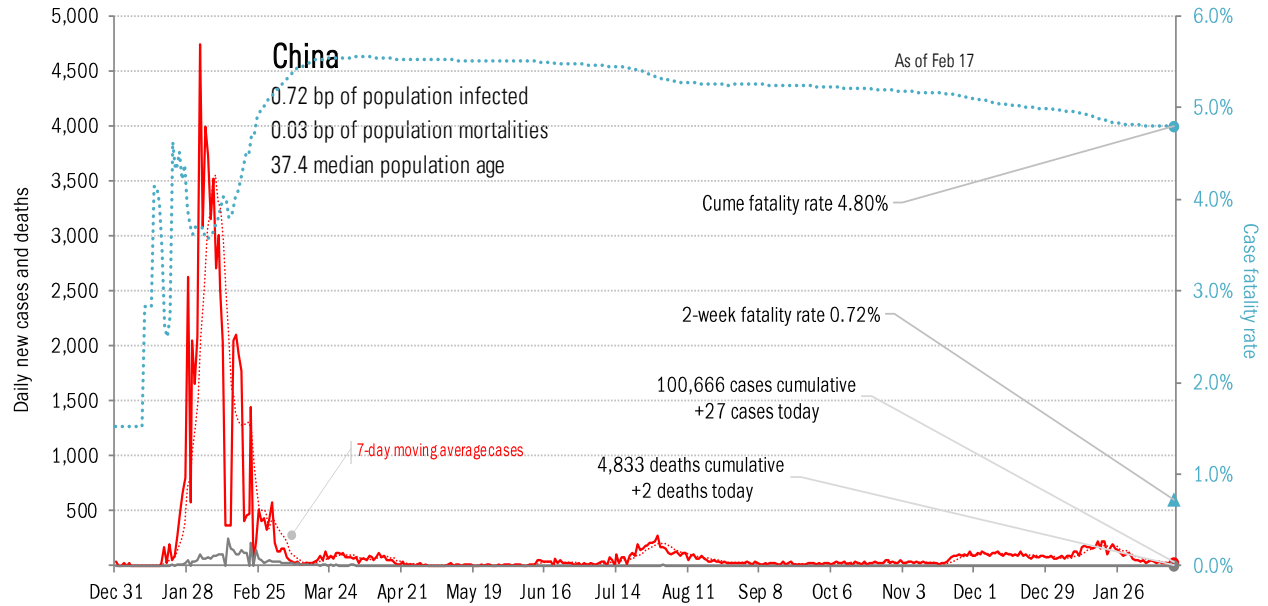
Source: [Covid Tracking Project](#), TrendMacro calculations

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



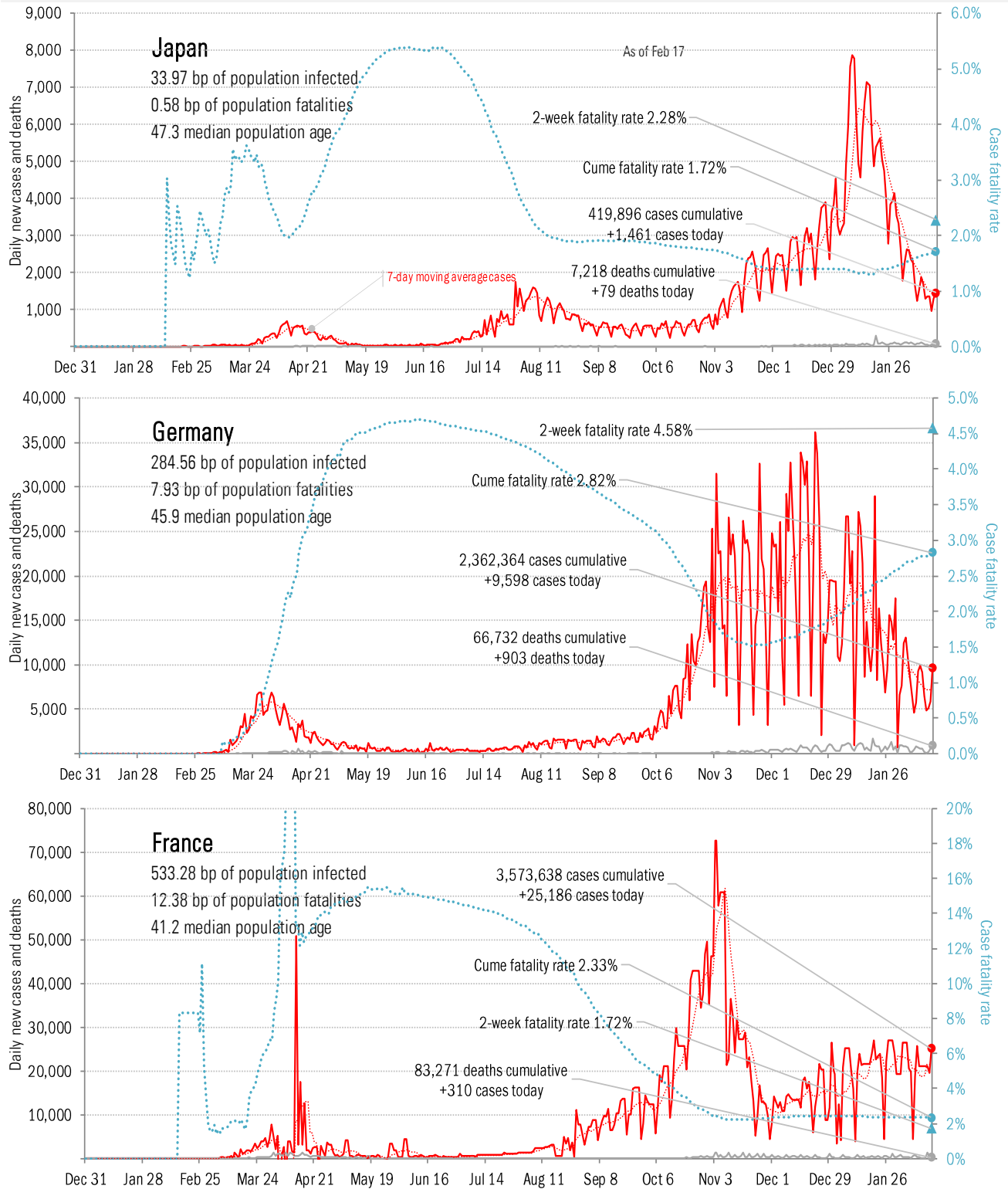
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



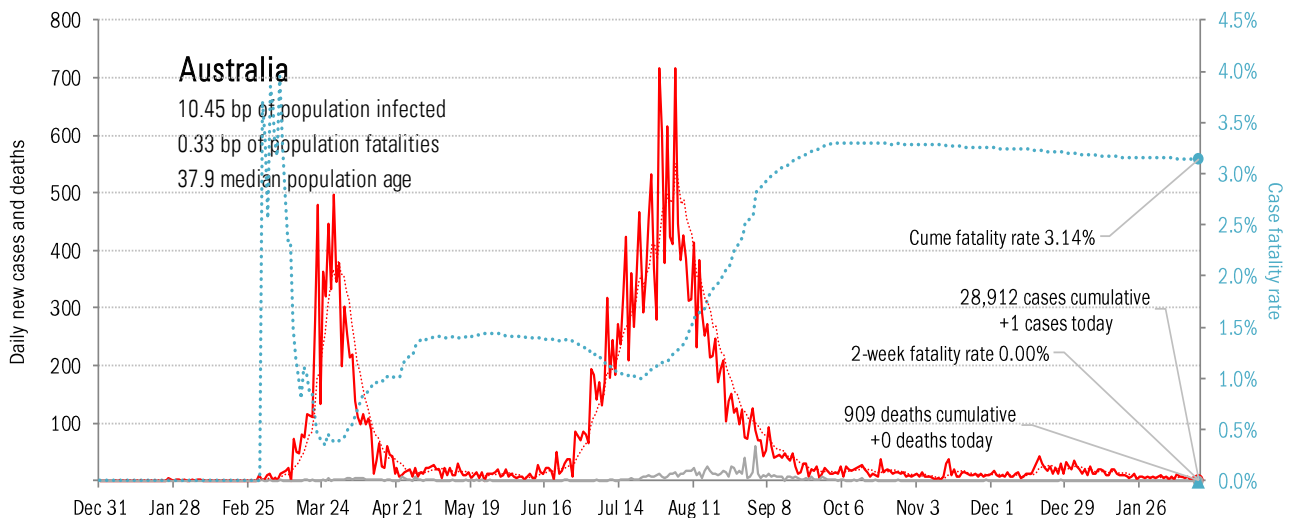
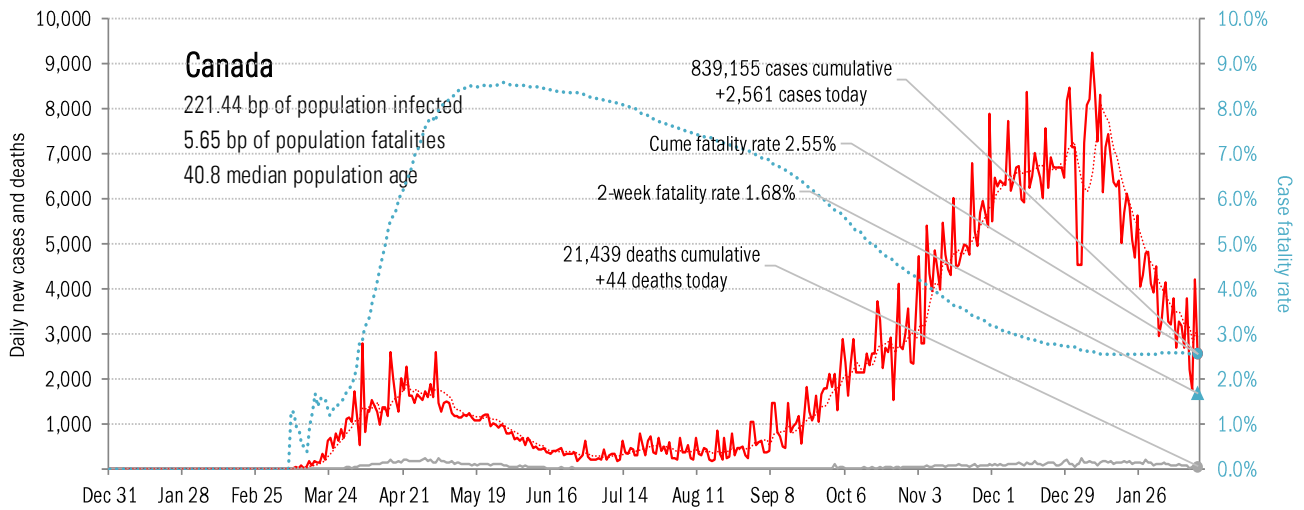
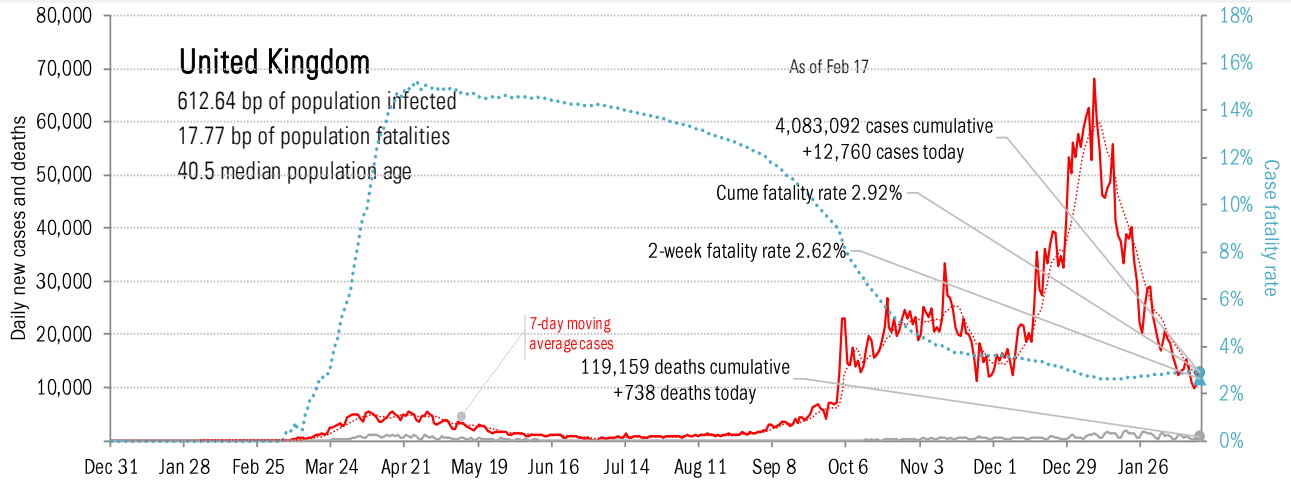
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



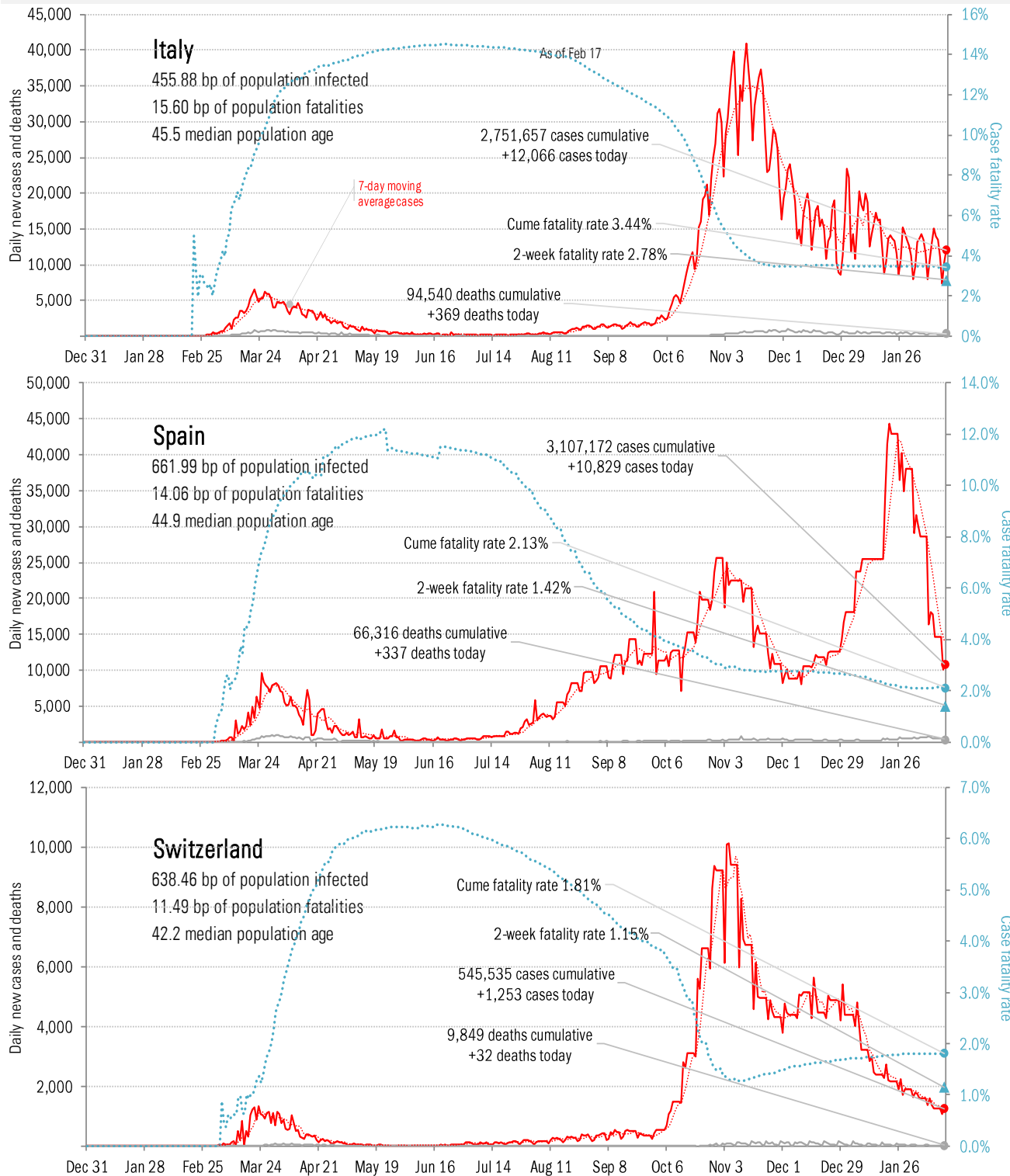
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



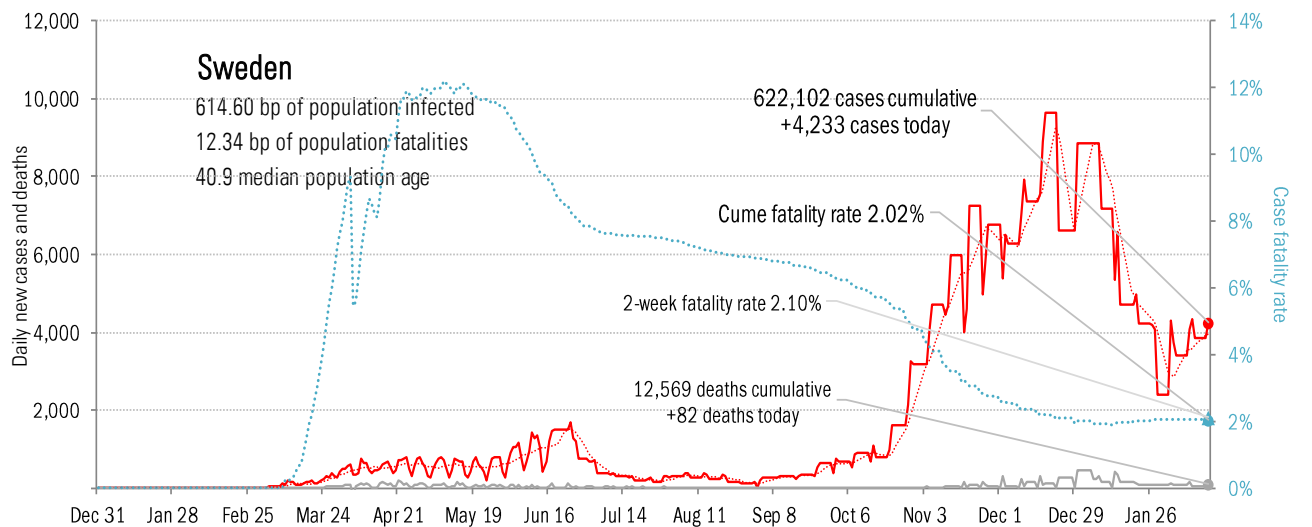
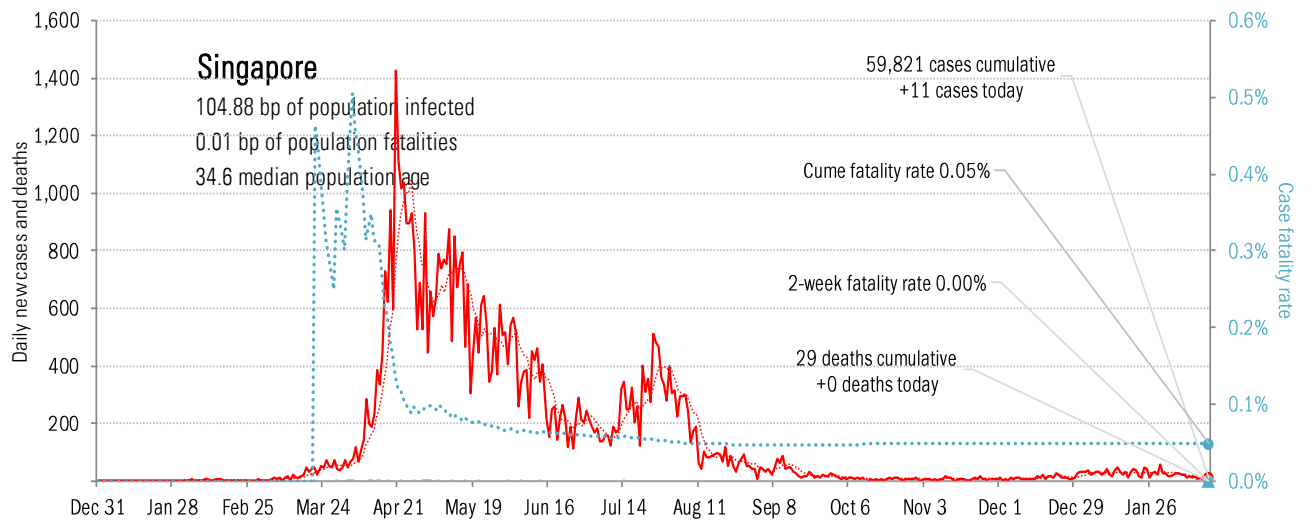
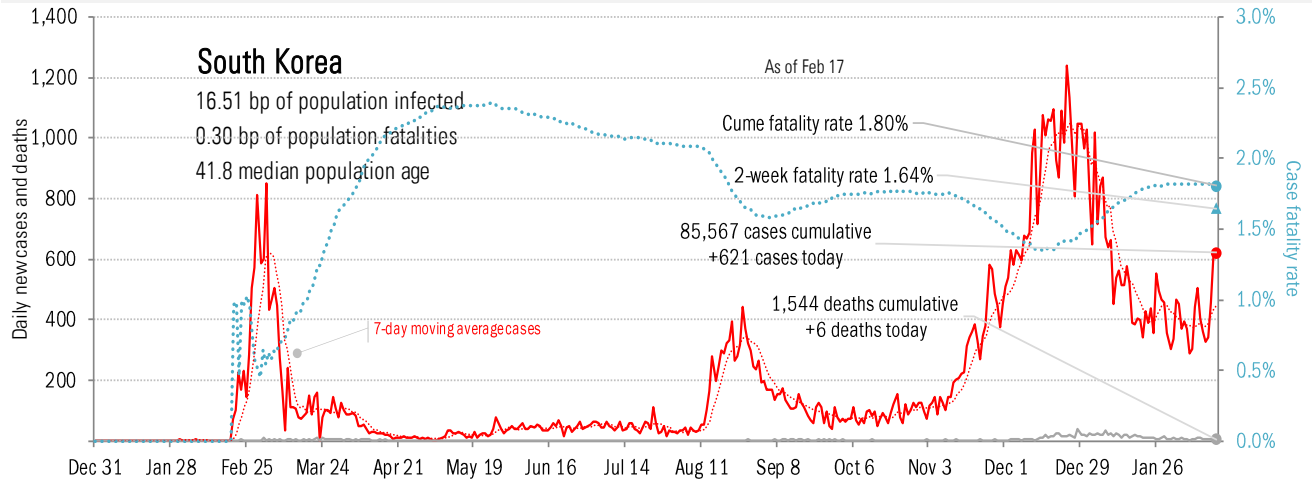
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



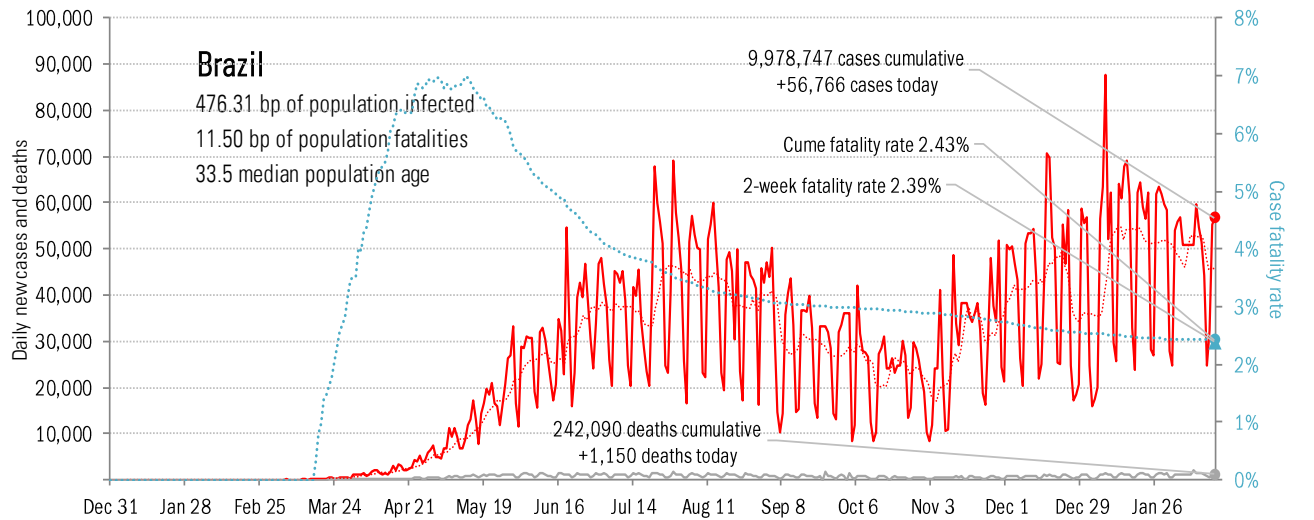
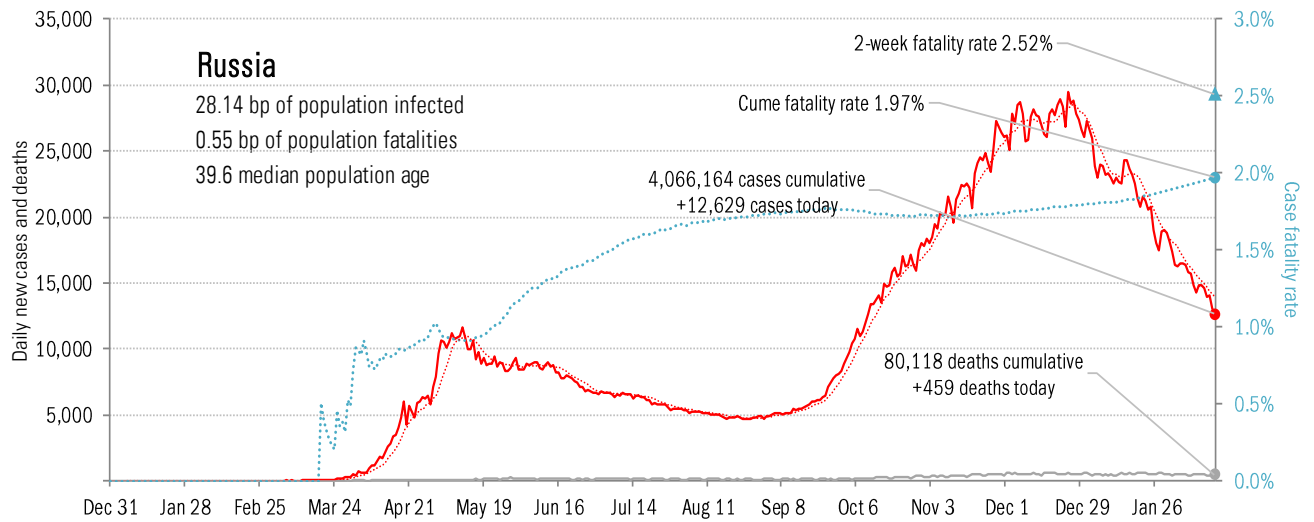
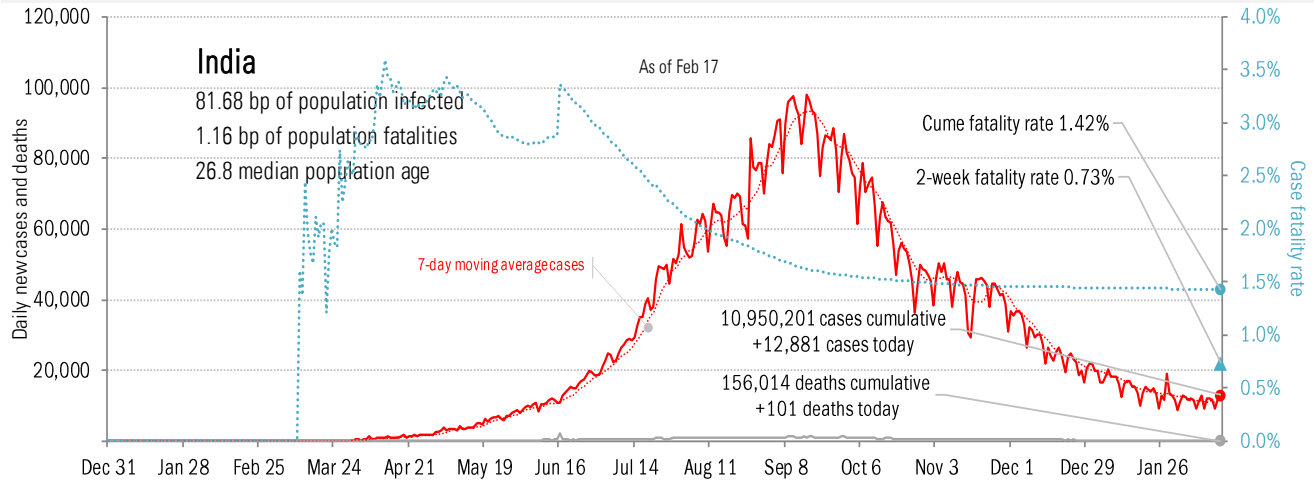
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



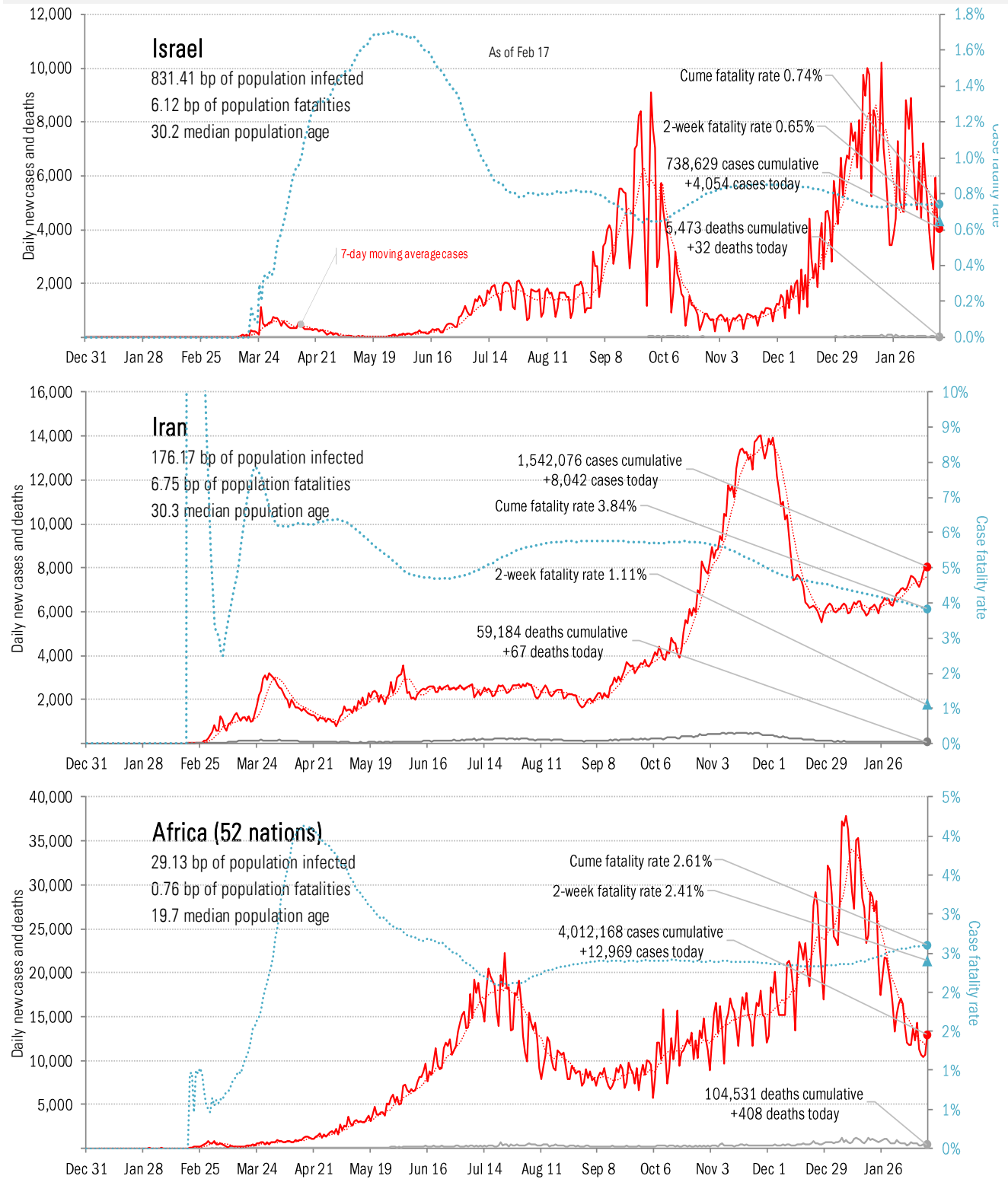
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



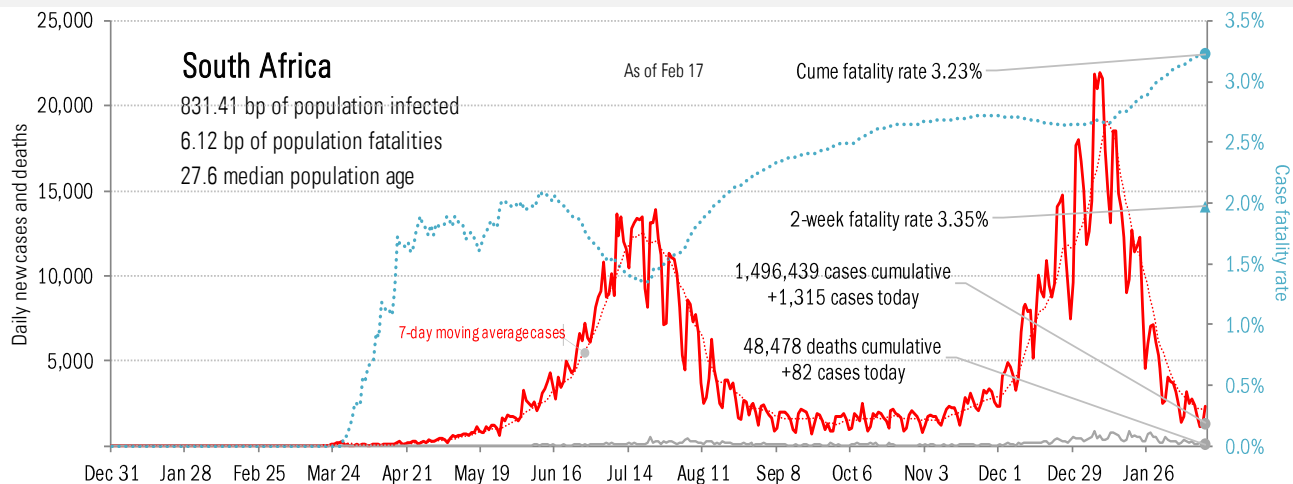
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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