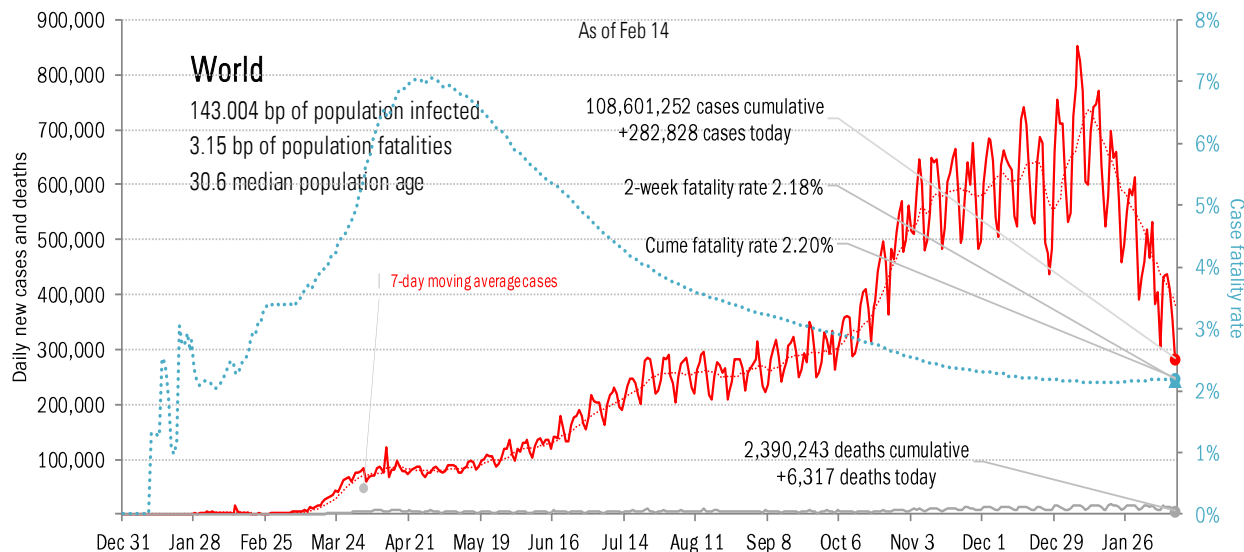
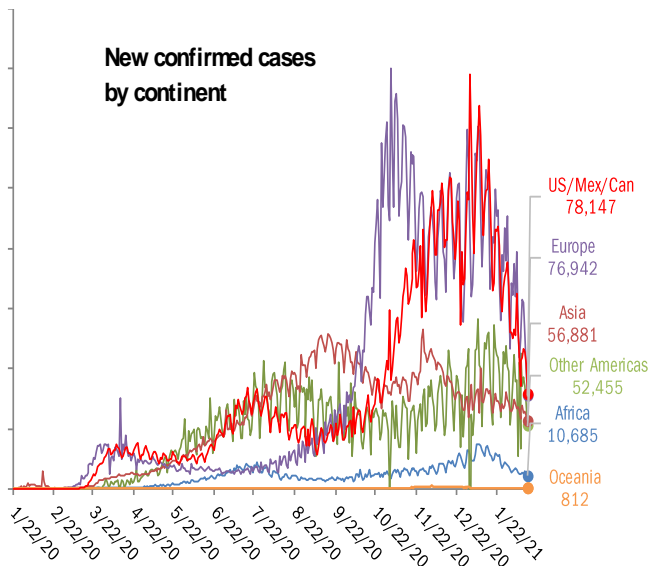


Data Insights: Covid-2019 Monitor

Monday, February 15, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+71,844	United States	+1,363
Brazil	+24,759	Brazil	+713
Peru	+14,550	Peru	+448
Russia	+13,968	Mexico	+436
India	+11,649	Russia	+422
Italy	+11,060	United Kingdom	+259
United Kingdom	+10,991	Indonesia	+247
Iran	+7,390	Italy	+221
Indonesia	+6,765	Colombia	+180
Turkey	+6,287	Portugal	+138
+179,263		+4,427	
World	+282,828	World	+6,317
Top ten	63%	Top ten	70%



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

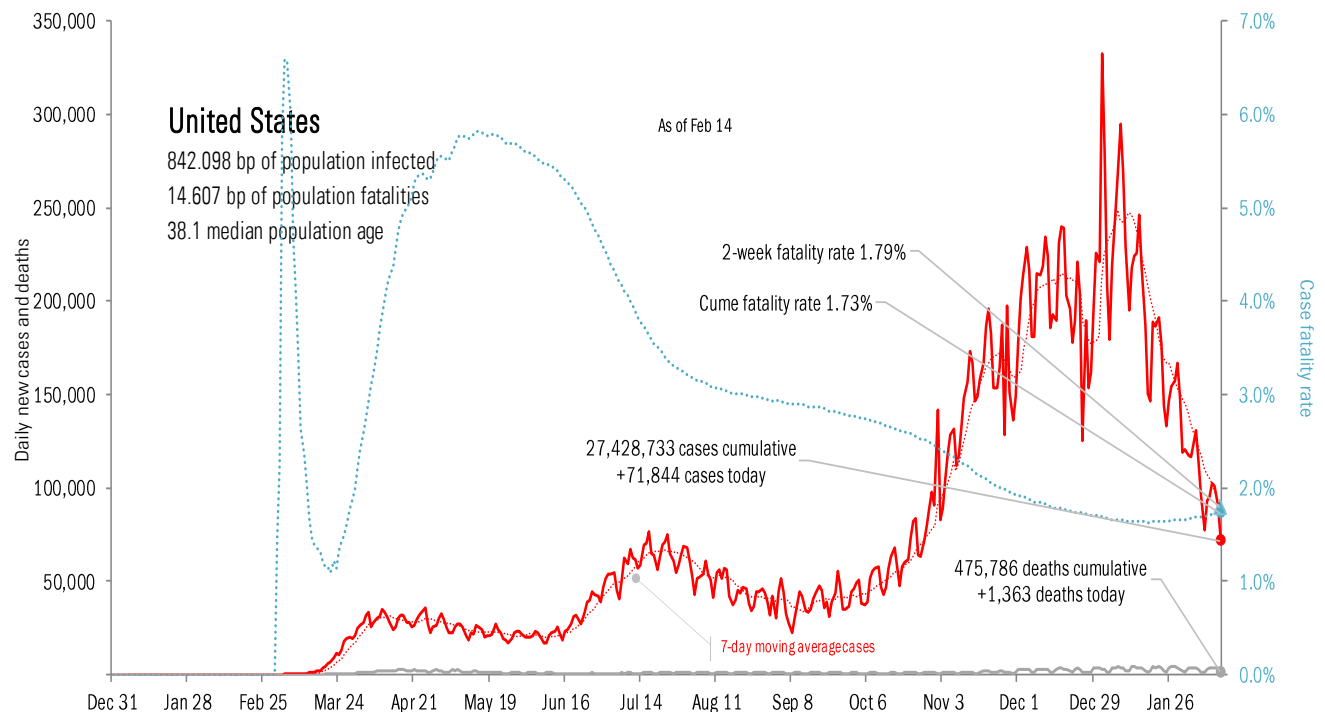
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	+8,842		CA	+408		IA	+15		CA	3,399,878		CA	46,843		NY	89,995		RI	99%	GA	87%
NY	+8,316		TX	+149		DC	+6		TX	2,560,060		TX	40,527		FL	77,255		MA	80%	AL	85%
TX	+6,933		NY	+109		WV	+6		FL	1,794,155		NY	37,118		NJ	62,406		CT	80%	CA	84%
FL	+5,328		FL	+96		SD	+5		NY	1,529,769		FL	29,275		AZ	55,667		GA	79%	RI	83%
SC	+4,153		SC	+87		CO	+4		IL	1,162,154		PA	23,096		GA	53,379		FL	79%	FL	82%
NC	+3,170		MA	+60		PR	+3		GA	964,737		NJ	22,454		CH	48,556		SC	78%	TX	82%
VA	+2,575		OR	+43		ND	+2		CH	939,350		IL	22,121		AL	44,148		PA	78%	MO	80%
PA	+2,571		NC	+38		ME	+1		PA	894,915		CH	16,346		IN	41,604		MD	77%	NC	80%
NJ	+2,168		IL	+34		AK	+0		NC	821,894		MI	16,119		MD	33,808		NC	77%	SC	80%
AZ	+1,947		TN	+31		AS	+0		AZ	797,270		GA	15,871		VI	25,302		CA	77%	OK	79%
+46,003			+1,055			+42			14,864,182			269,770			532,120						
All states	+71,844			+1,363			-2260		All states	27,428,733			475,786			842,162		All states	72%		73%
Top ten	64%			77%			-2%		Top ten	54%			57%			63%		Median	70%		70%

Some states not reporting

Five most improved US states

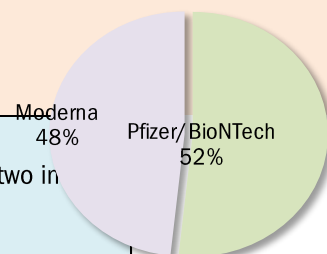
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-4,349	CH	-1,198	GA	-137	TX	+11,476
FL	-2,049	TX	-134	LA	-126	CH	+3,487
GA	-1,894	GA	-121	NY	-115	SC	+1,694
NJ	-1,589	MI	-92	DE	-101	TN	+1,621
PA	-1,517	PA	-89	IL	-97	UT	+1,499



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
70.06 million doses distributed	+0.17 million/day
52.88 million doses administered	+2.24 million/day
38.29 million persons with one shot	+1.24 million/day
14.08 million persons with two shots	+1.00 million/day
5.82 million shots long-term care residents/staff	+0.16 million/day
75.5% of distributed doses administered	
11.5% of US pop 1 shot	4.2% 2 shots
100% of LTC 1 shot	36.5% 2 shots



At today's dosing pace,
every American will have two in
269 days
by Nov 11, 2021
US will achieve herd immunity in
128 days
by Jun 22, 2021

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

AK
37.1%
17.3%
7.8%

ME
22.3%
10.5%
3.7%

WI
18.6%
12.2%
4.0%

VT
22.1%
11.7%
5.4%

NH
22.9%
10.8%
4.5%

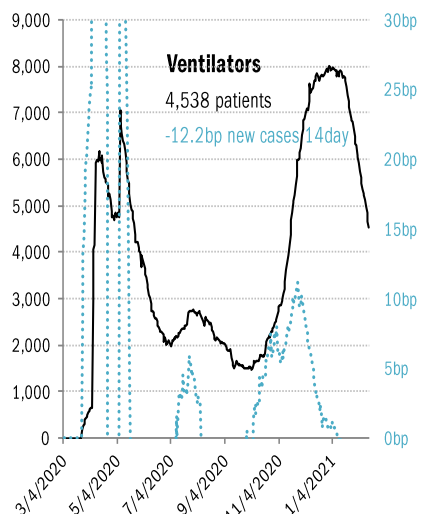
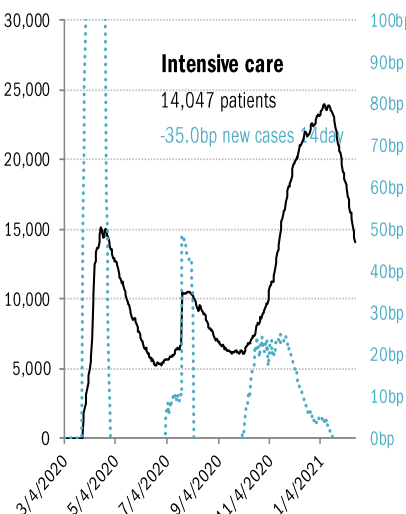
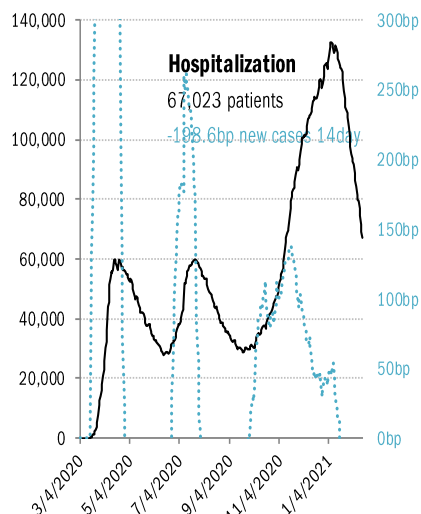
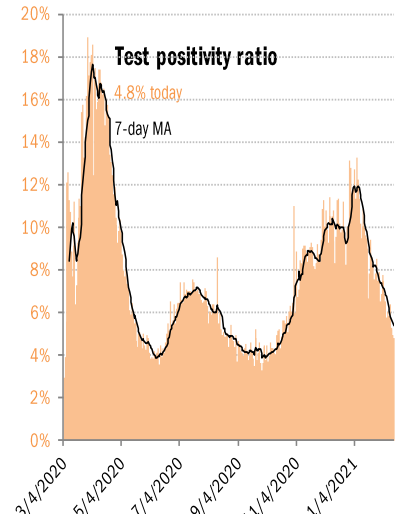
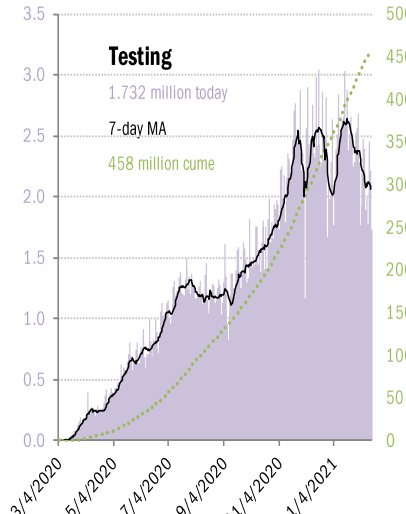
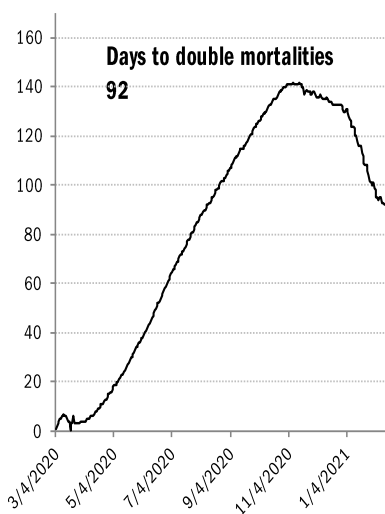
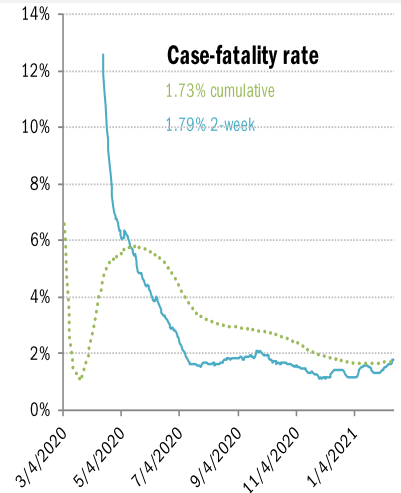
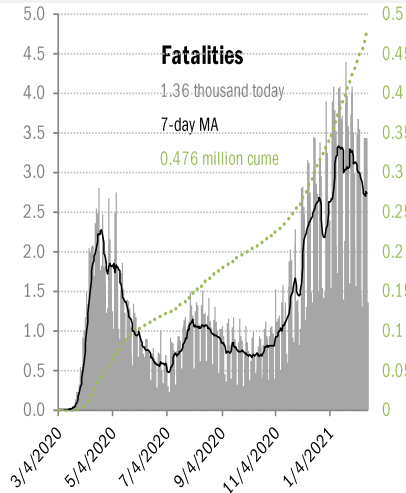
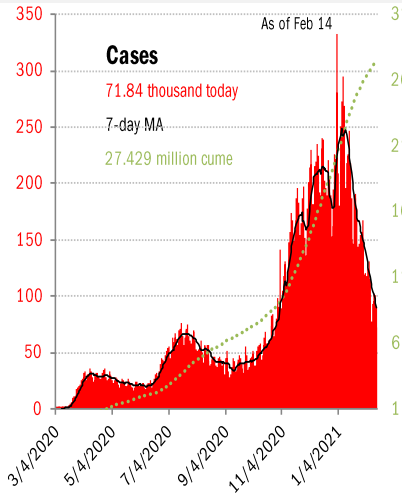
WA 18.9% 11.4% 3.7%	ID 18.4% 9.8% 3.2%	MT 18.7% 11.9% 4.6%	ND 20.4% 13.0% 6.2%	MN 20.1% 11.4% 4.0%	IL 20.3% 11.2% 3.2%	MI 19.2% 11.0% 4.9%	NY 20.4% 10.3% 4.3%	MA 21.8% 11.9% 3.8%	VT 22.1% 11.7% 5.4%	NH 22.9% 10.8% 4.5%
OR 20.0% 11.3% 4.6%	NV 17.4% 10.6% 3.2%	WY 21.1% 12.4% 4.7%	SD 20.6% 12.4% 5.7%	IA 18.9% 10.6% 3.7%	IN 20.6% 11.4% 4.3%	OH 19.8% 10.6% 3.8%	PA 21.0% 10.6% 3.5%	NJ 20.0% 11.2% 4.0%	CT 24.0% 13.3% 5.4%	RI 21.6% 9.2% 4.1%
CA 20.4% 11.4% 3.3%	UT 18.1% 9.6% 3.3%	CO 21.0% 11.0% 5.1%	NE 21.1% 10.1% 4.6%	MO 18.4% 10.0% 3.7%	KY 20.0% 10.9% 4.2%	WV 22.1% 13.8% 7.7%	VA 18.7% 11.8% 3.8%	MD 19.7% 10.2% 3.8%	DE 19.3% 11.8% 3.2%	
	AZ 19.1% 11.5% 3.4%	NM 20.5% 13.7% 6.1%	KS 20.0% 9.9% 3.4%	AR 20.9% 11.2% 4.3%	TN 19.9% 9.7% 4.4%	NC 19.7% 11.1% 4.3%	SC 17.3% 10.2% 3.3%	DC 27.5% 12.0% 5.2%		
			OK 20.6% 12.1% 5.1%	LA 19.3% 11.2% 5.4%	MS 20.6% 10.5% 3.8%	AL 19.7% 9.7% 2.8%	GA 19.0% 9.7% 3.6%			
			TX 17.6% 10.2% 4.0%					FL 21.0% 11.0% 5.0%		PR 22.1% 8.5% 3.4%

As of Feb 15

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

US deep-dive

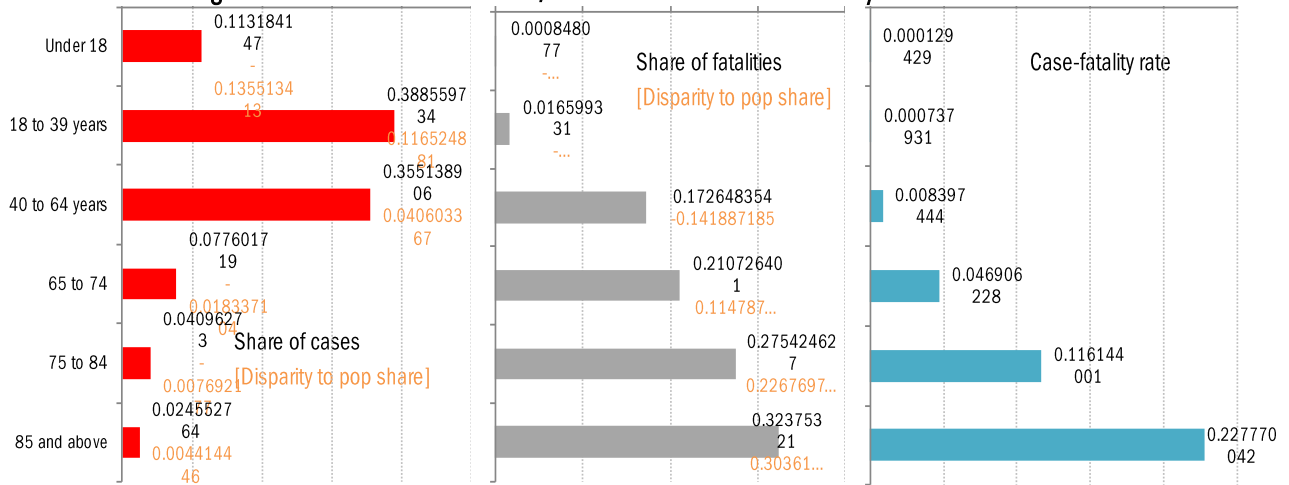
National and state-by-state data do not line up because of different sources



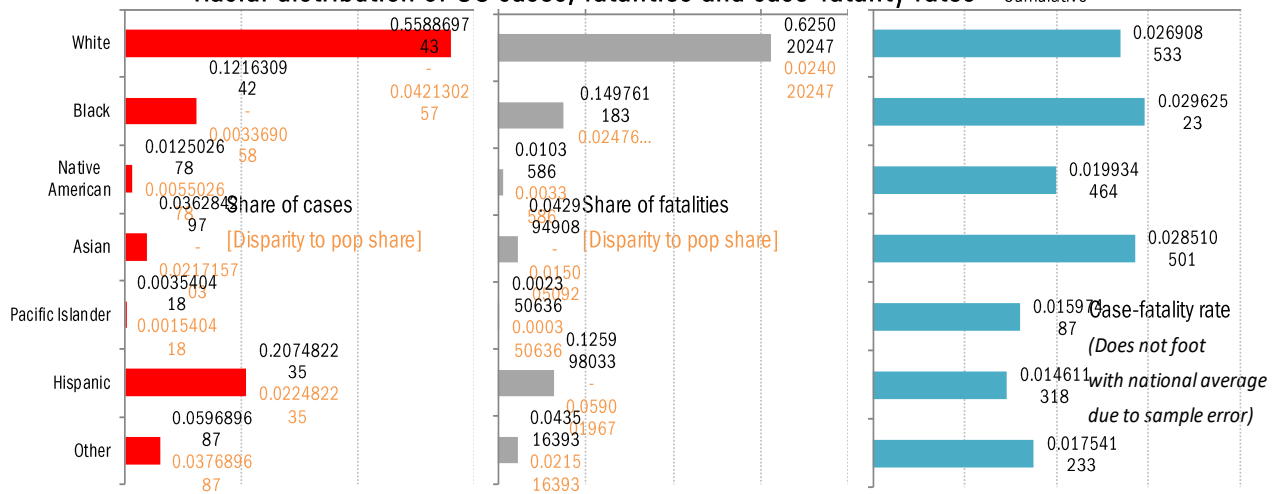
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

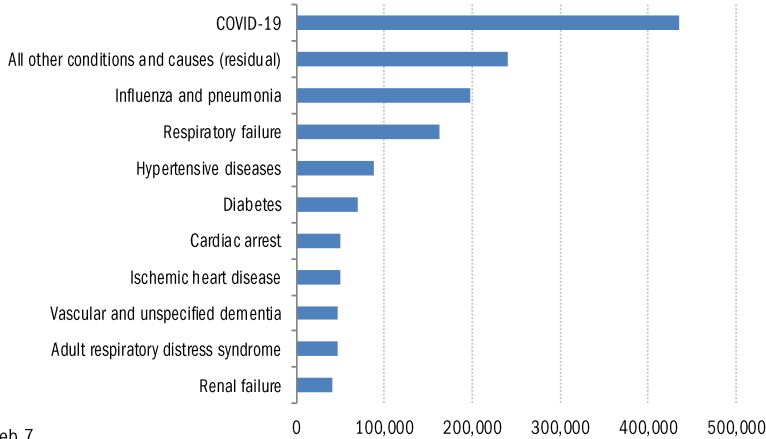


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Public Employee Unions Are Having a Fine Old Lockdown](#)

Carol Platt Liebau
Wall Street Journal
February 14, 2021

[Fauci says new coronavirus relief bill must pass before schools reopen](#)

Emma Colton
Washington Examiner
February 14, 2021

[At least three WHO COVID-19 investigators linked with Chinese-institutions](#)

Sky News
February 14, 2021

[The "pandemic" modelling cabal have a serious conflict of interest – Rosemary Frei MSc](#)

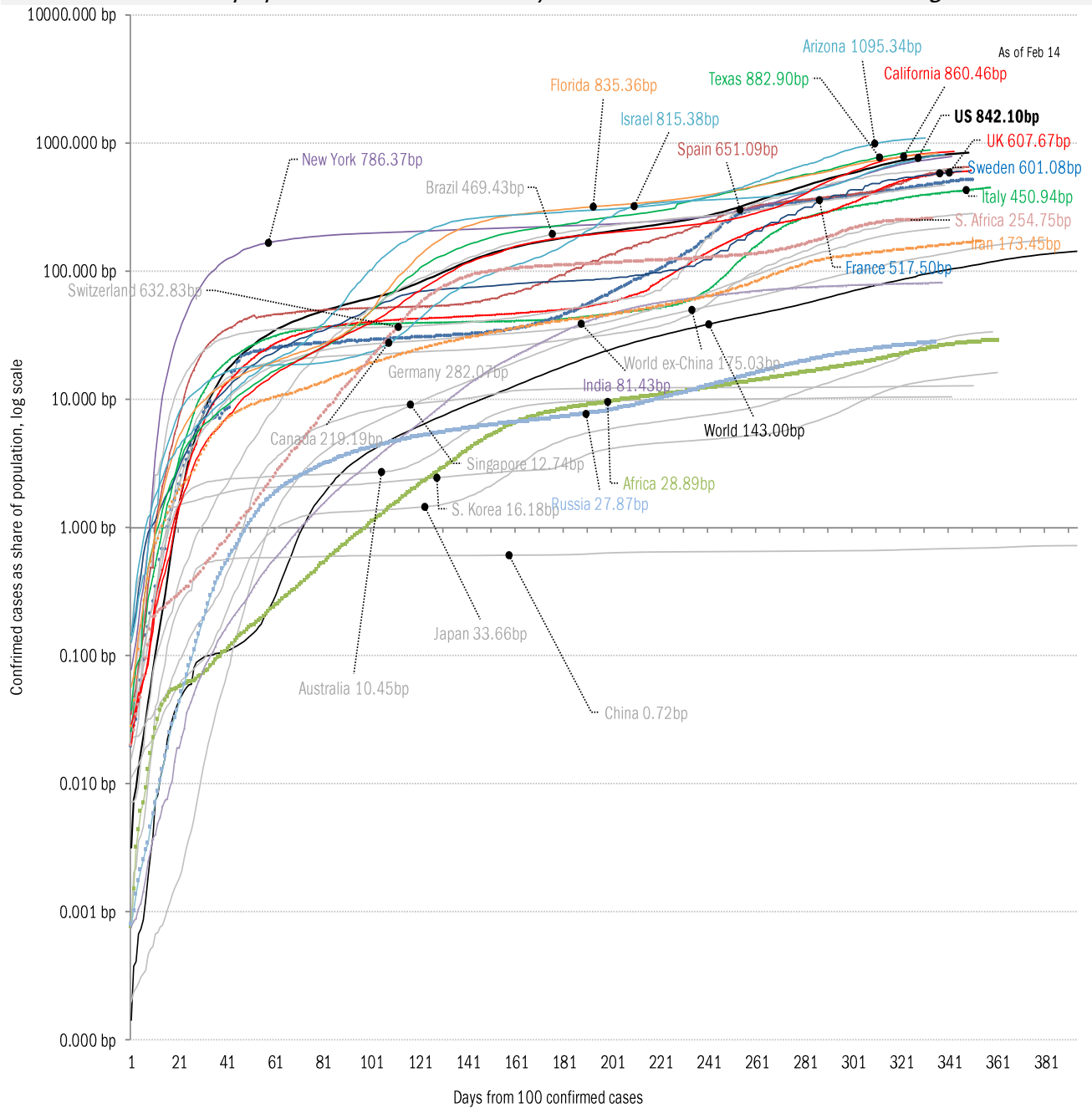
Vanessa Beeley
The Wall Will Fall
February 13, 2021

Meme of day



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

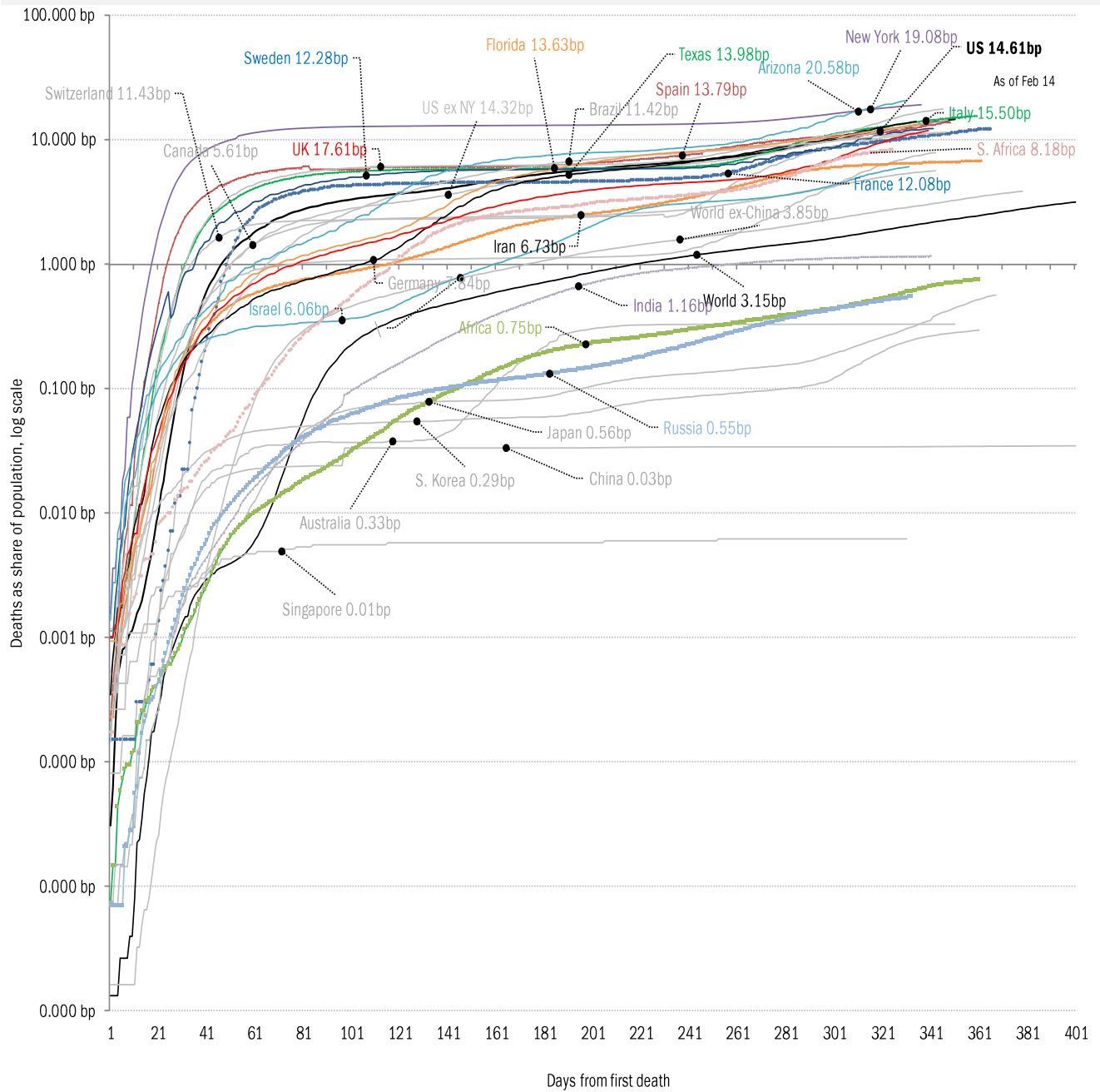
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

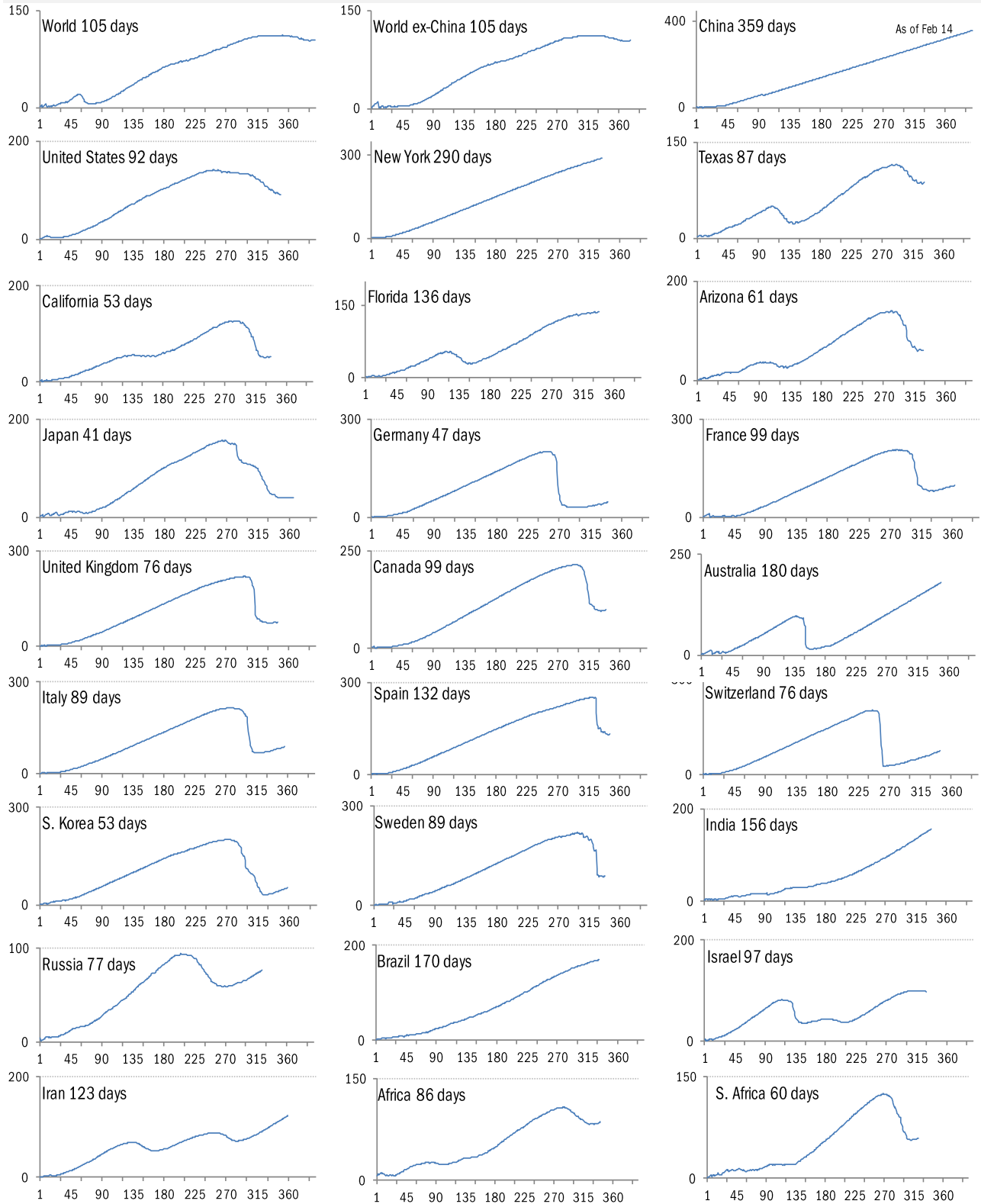


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

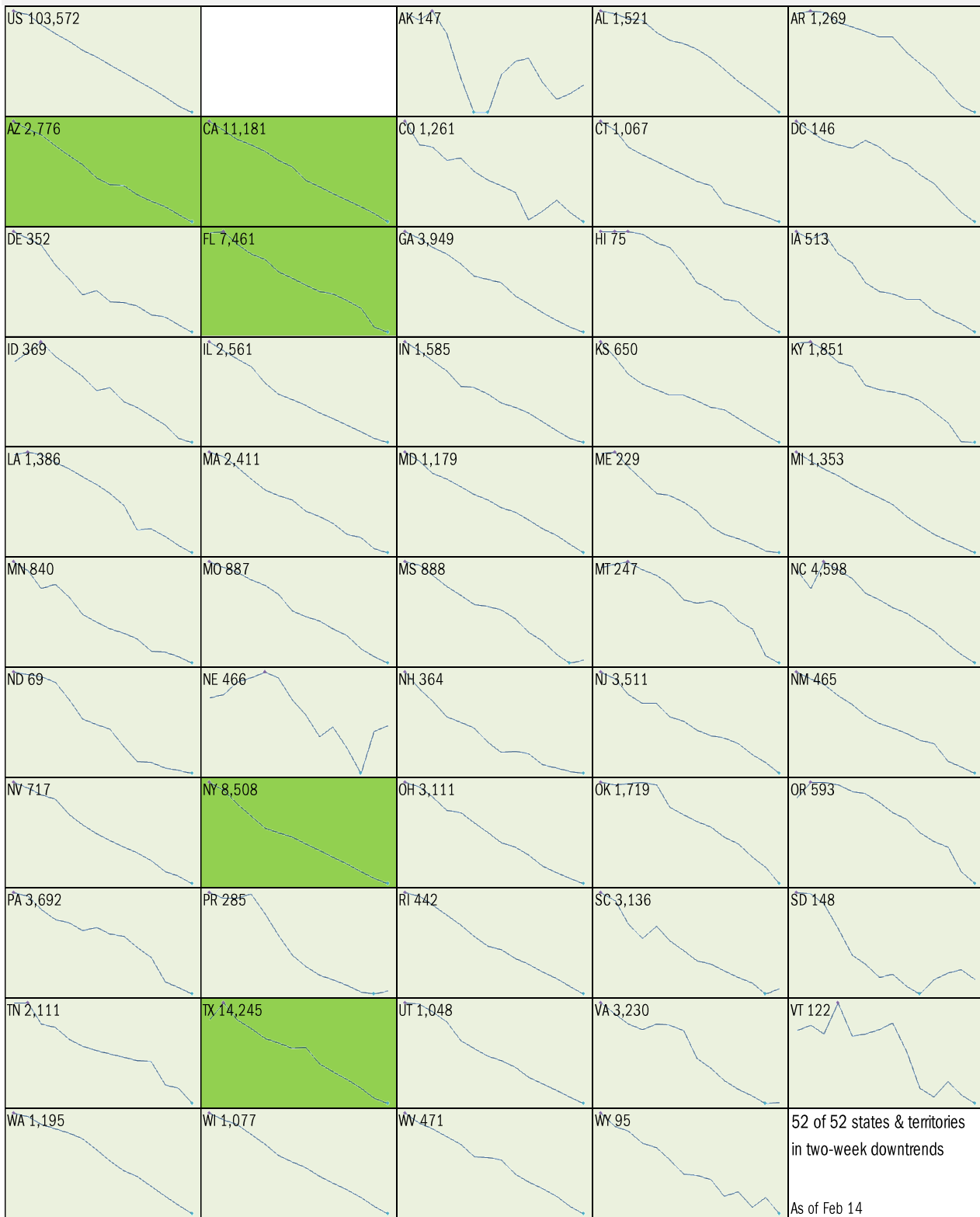
Vertical: days to double deaths Horizontal: days from first death

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

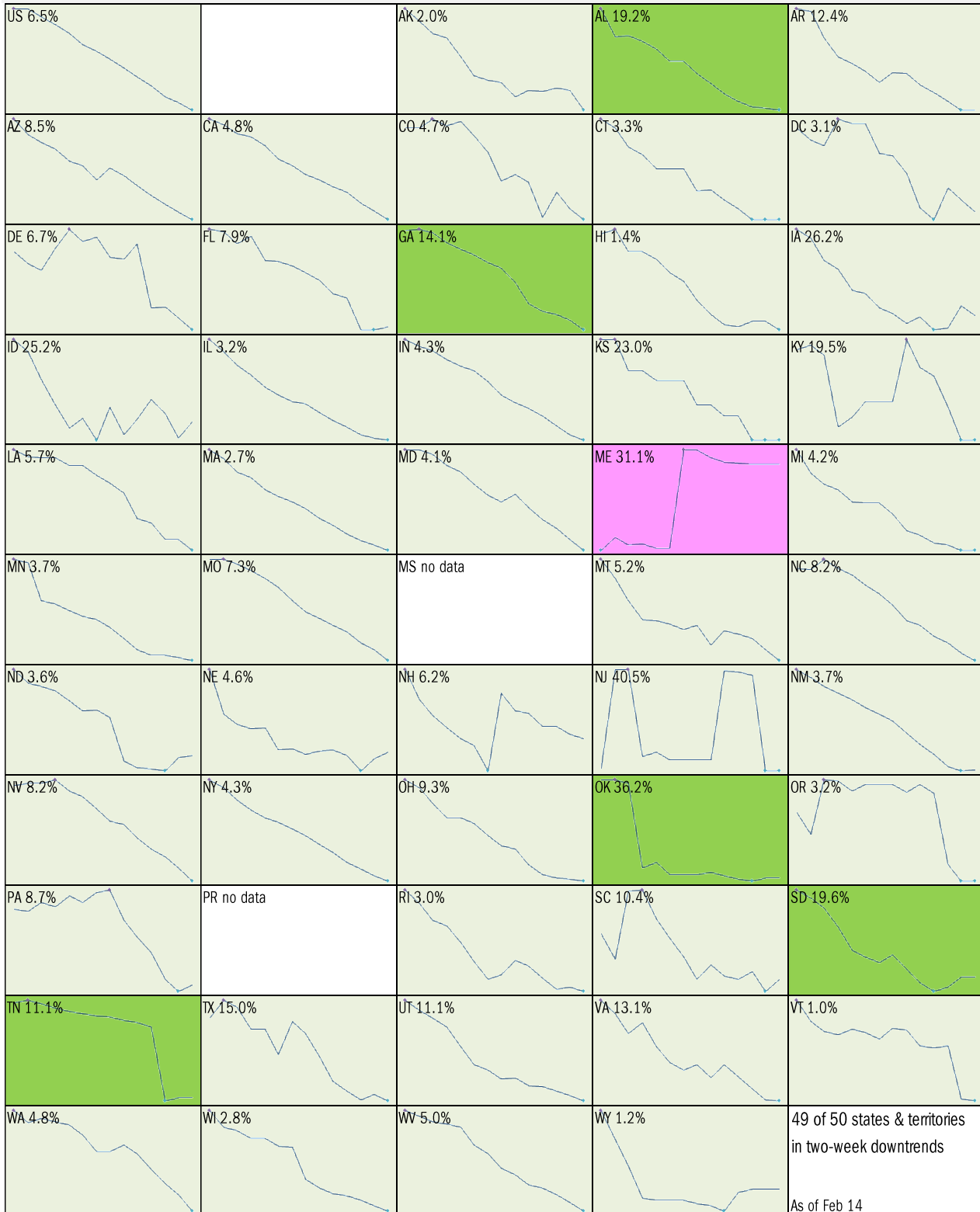


Source: [Covid Tracking Project](#), TrendMacro calculations

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

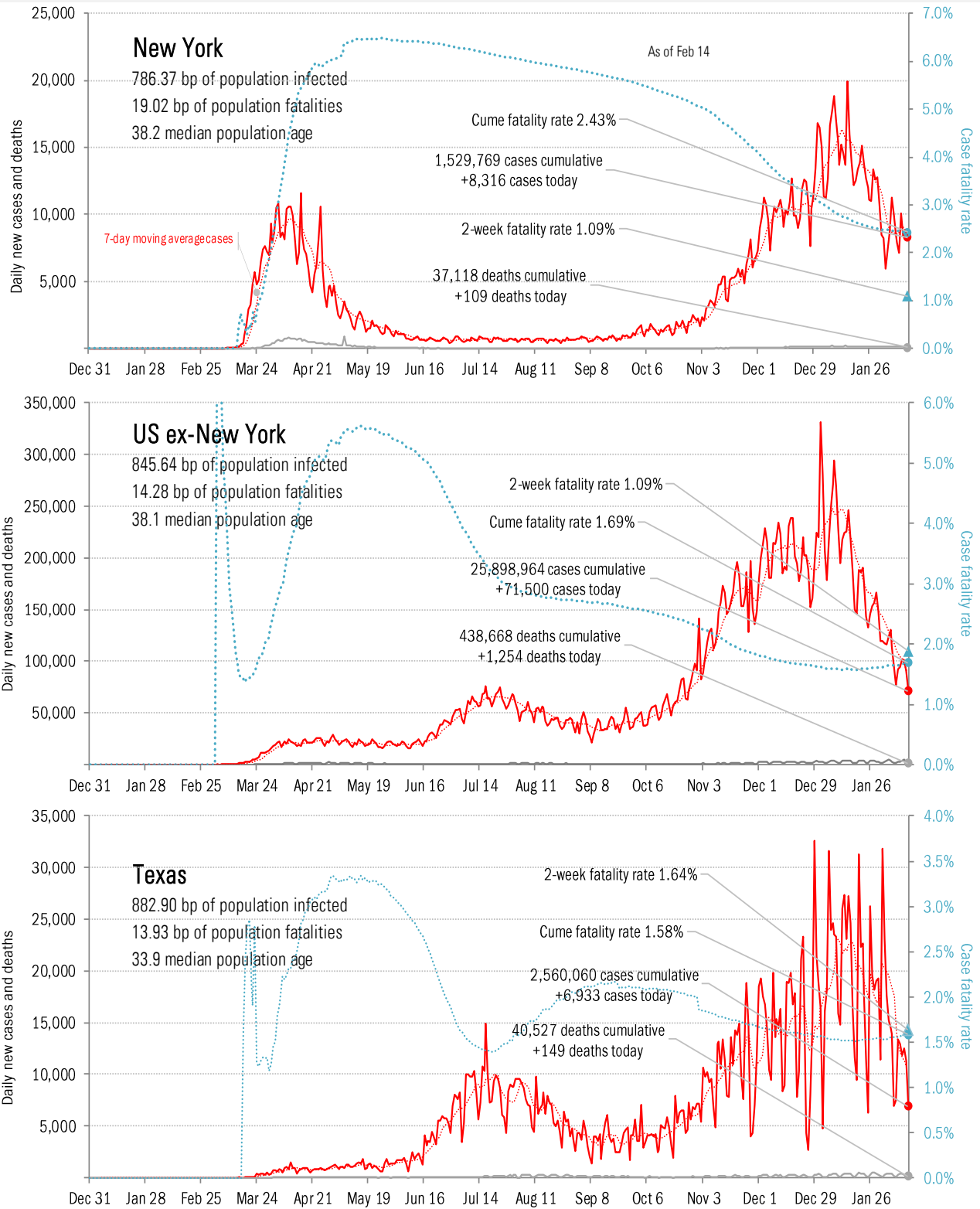
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



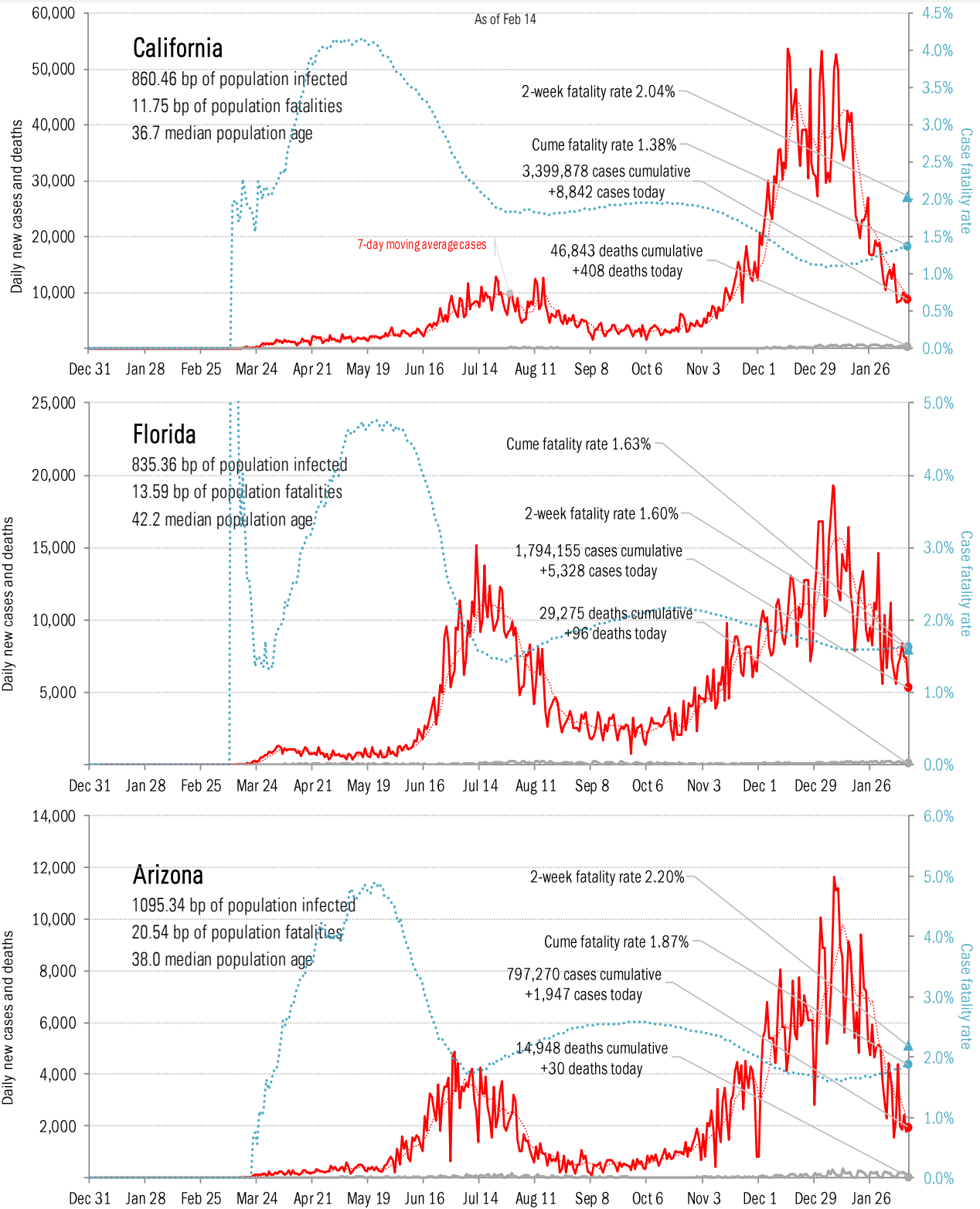
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



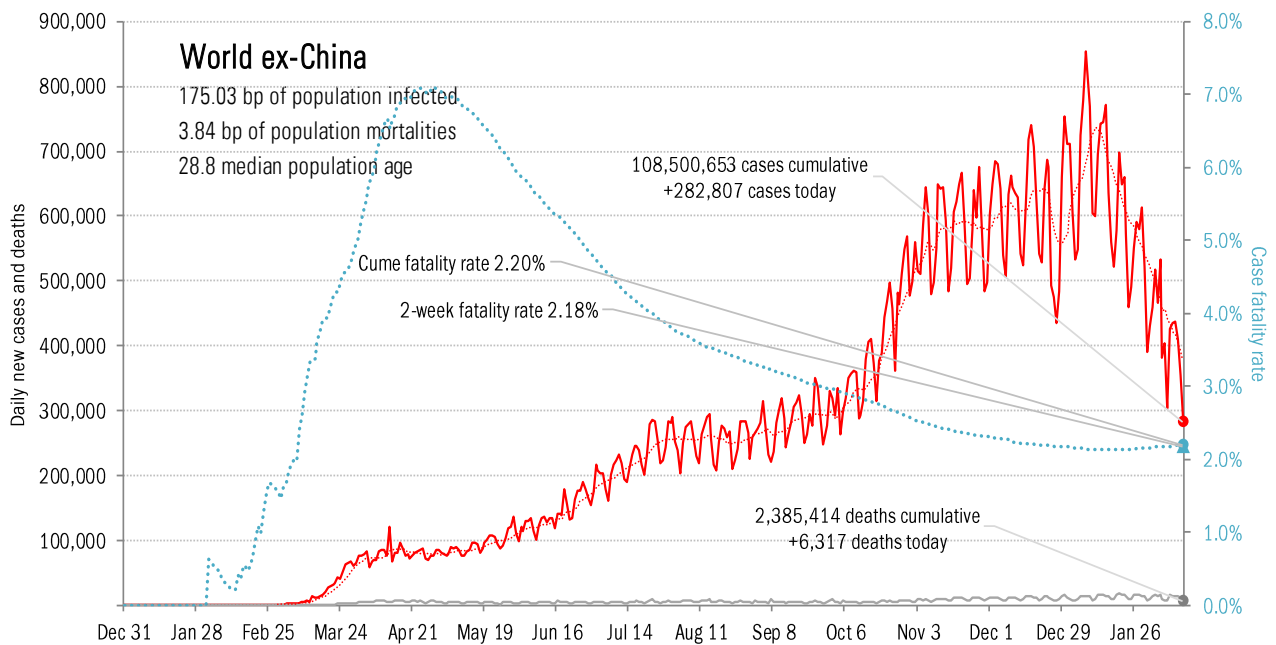
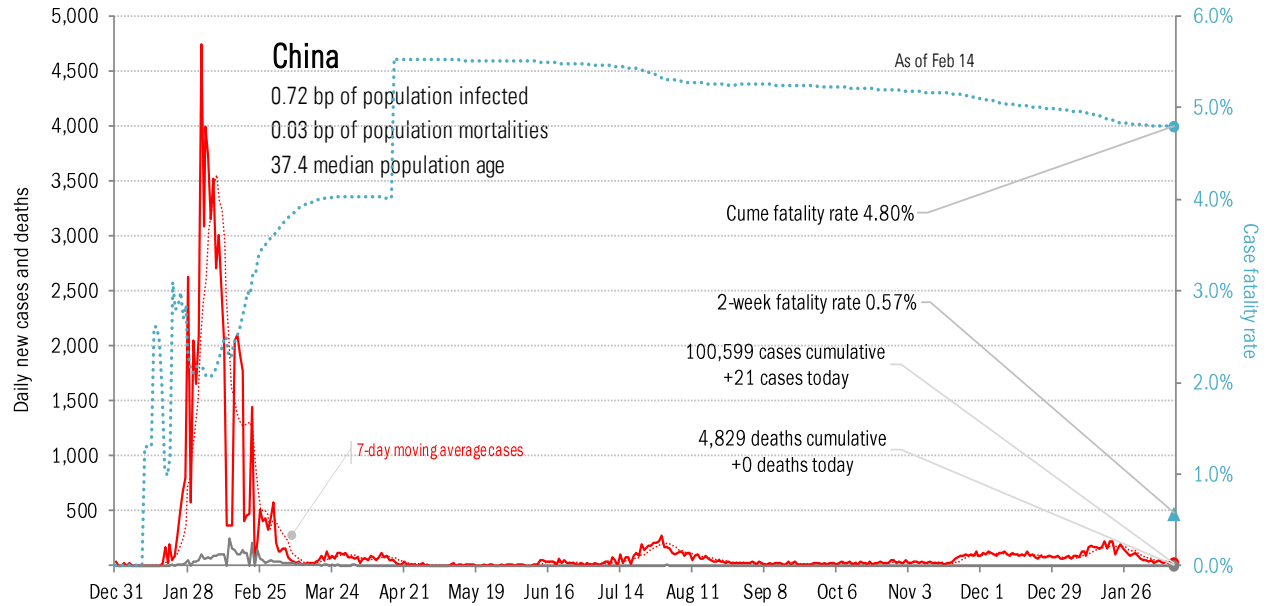
Source: [Covid Tracking Project](#), TrendMacro calculations

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



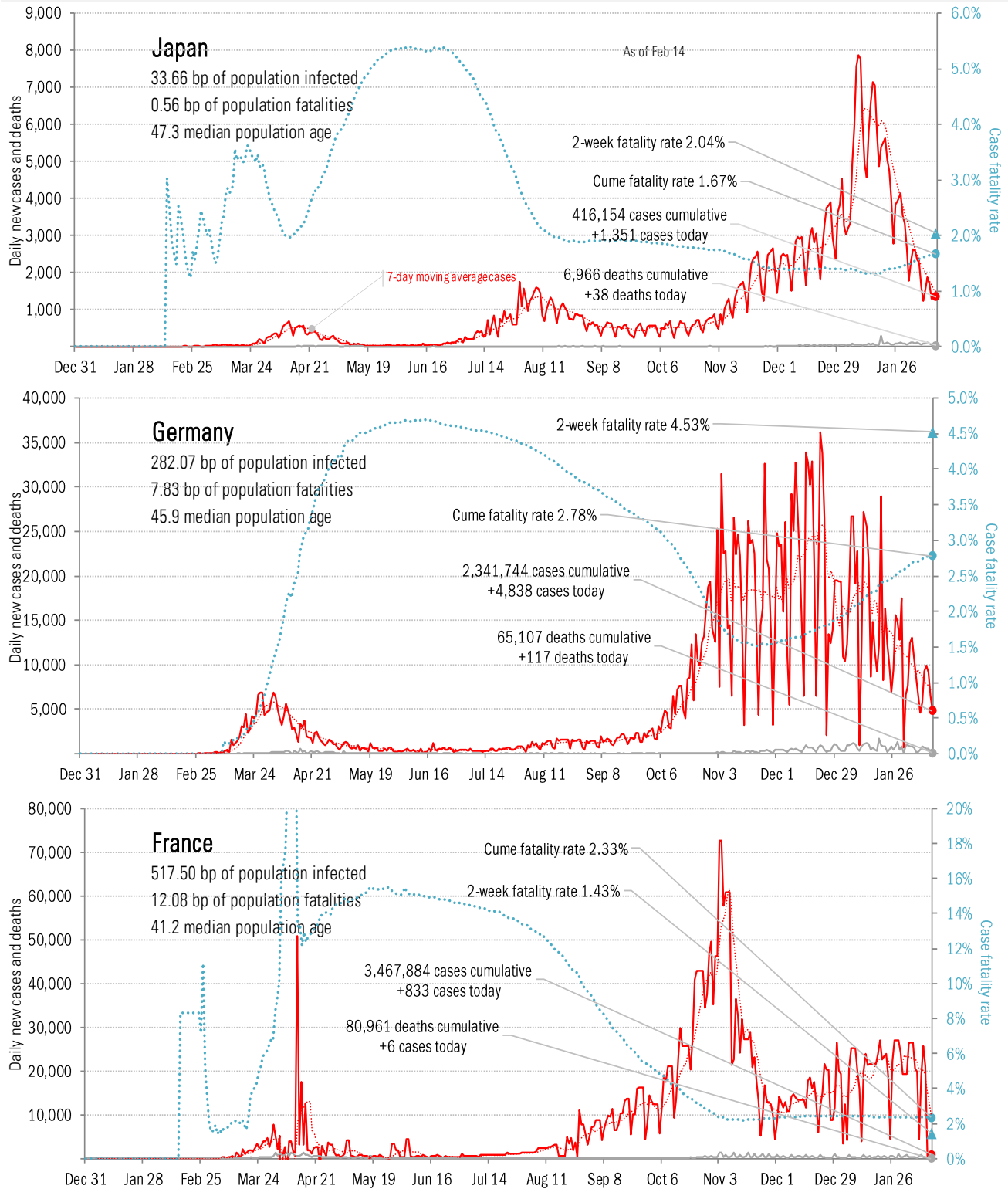
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



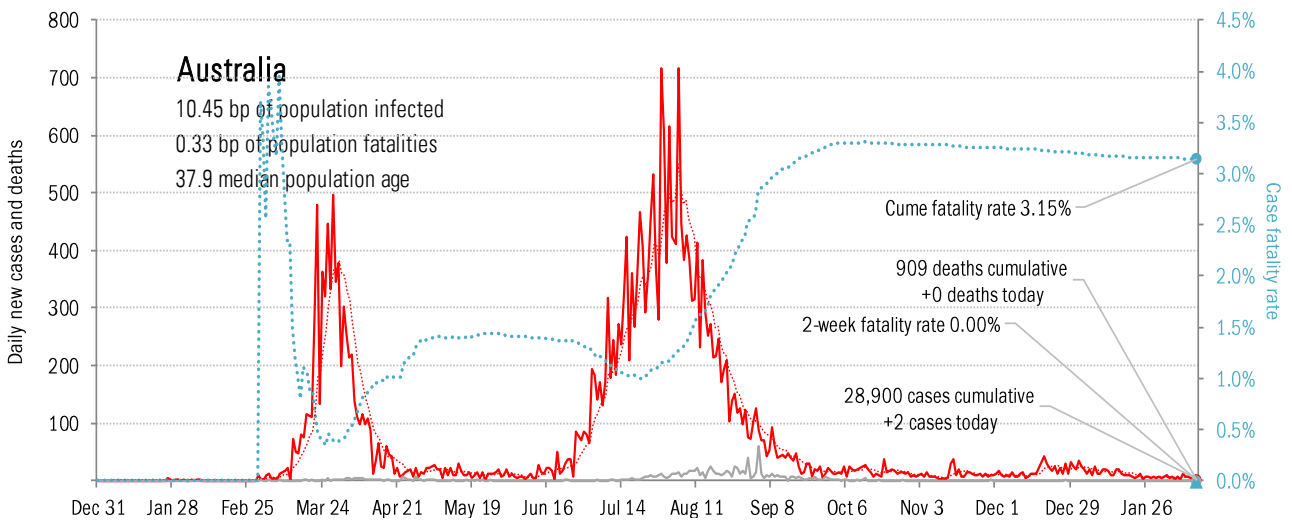
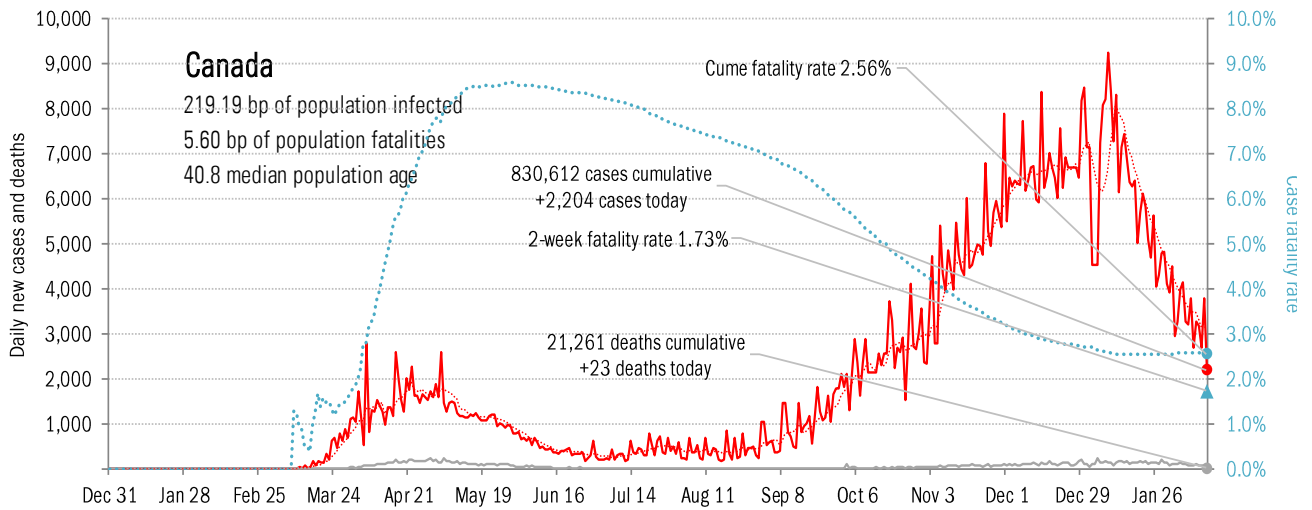
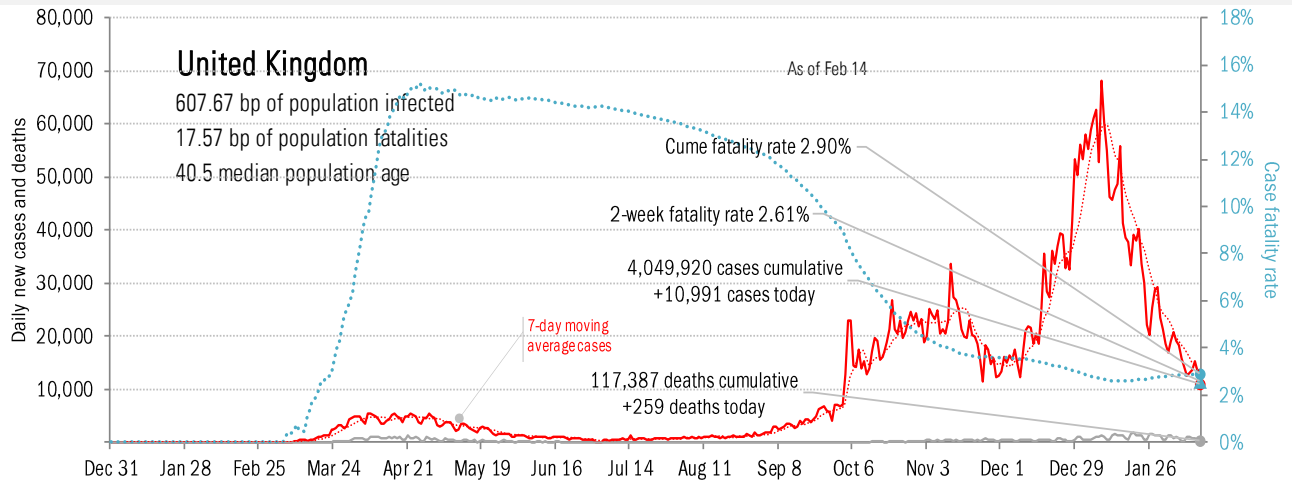
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



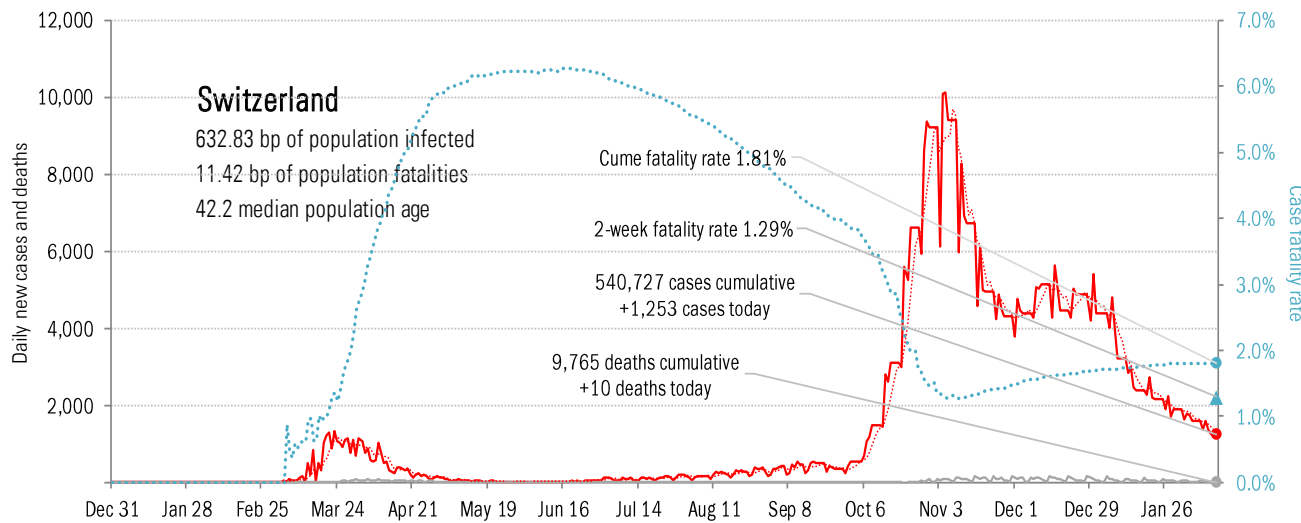
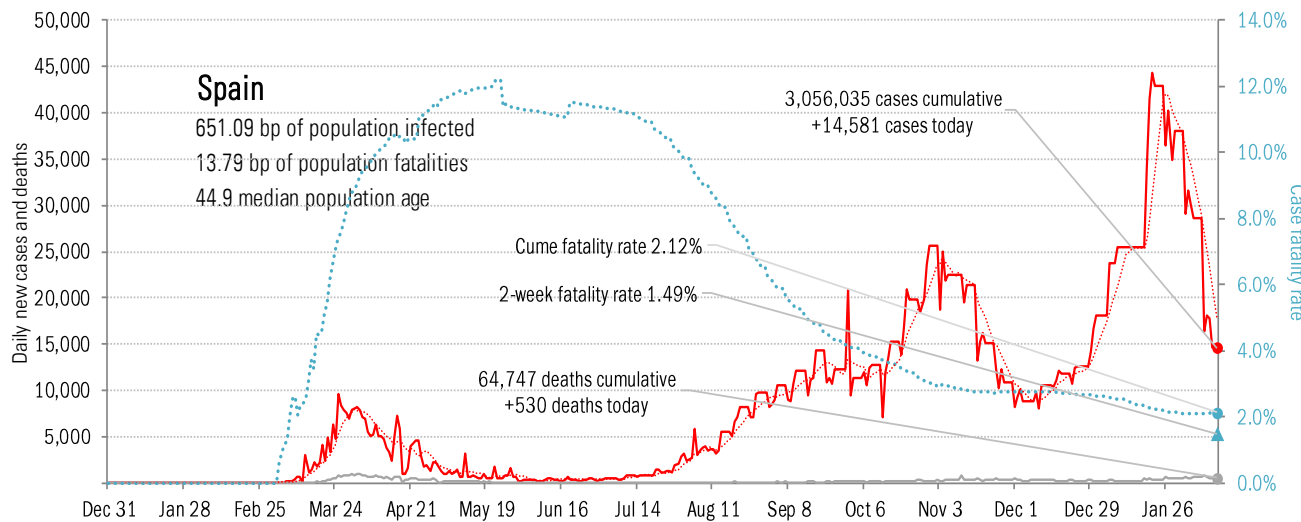
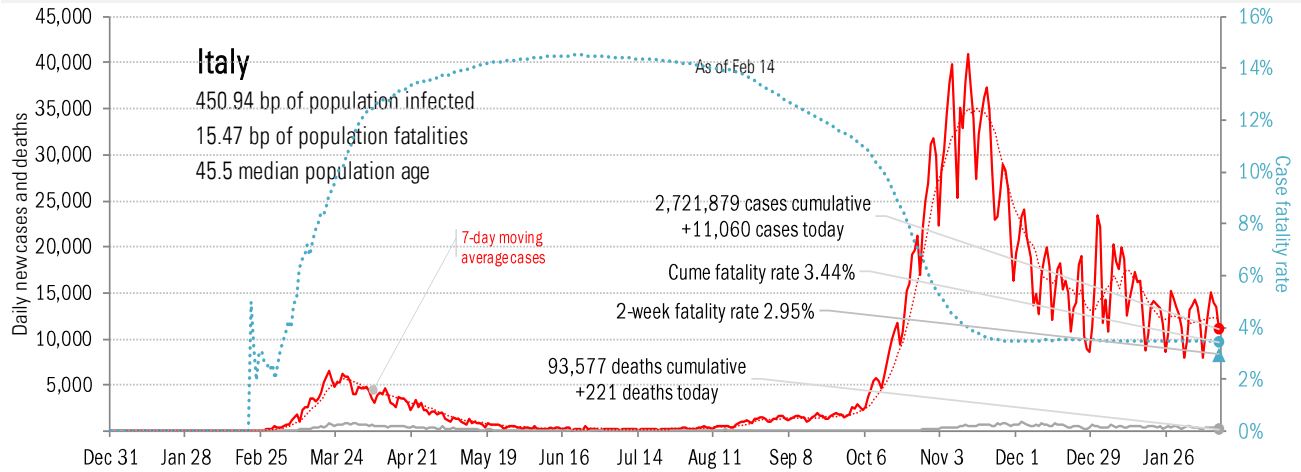
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



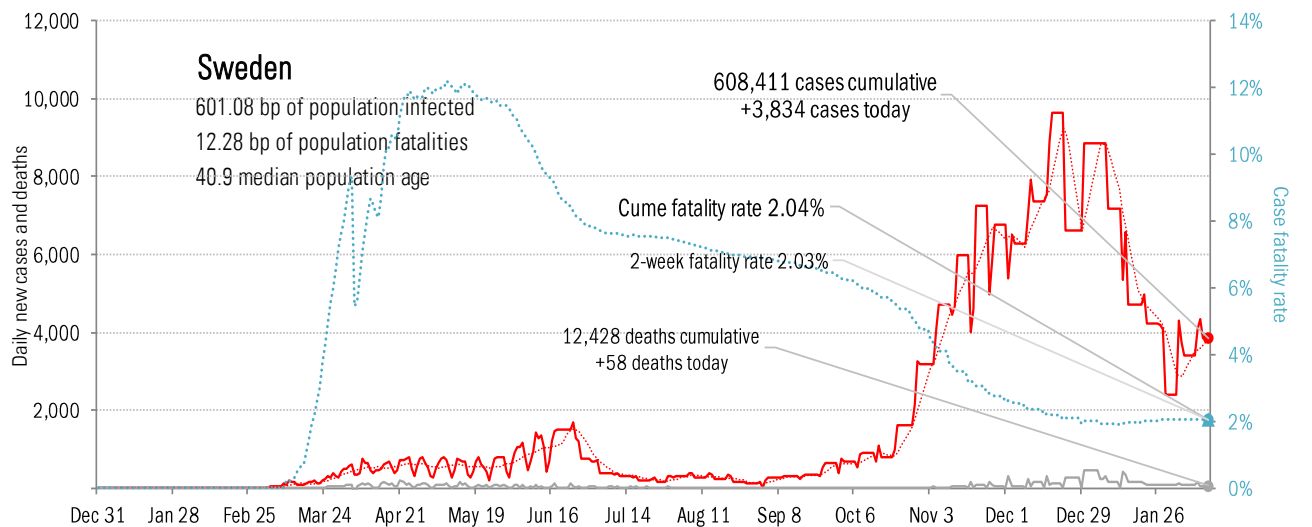
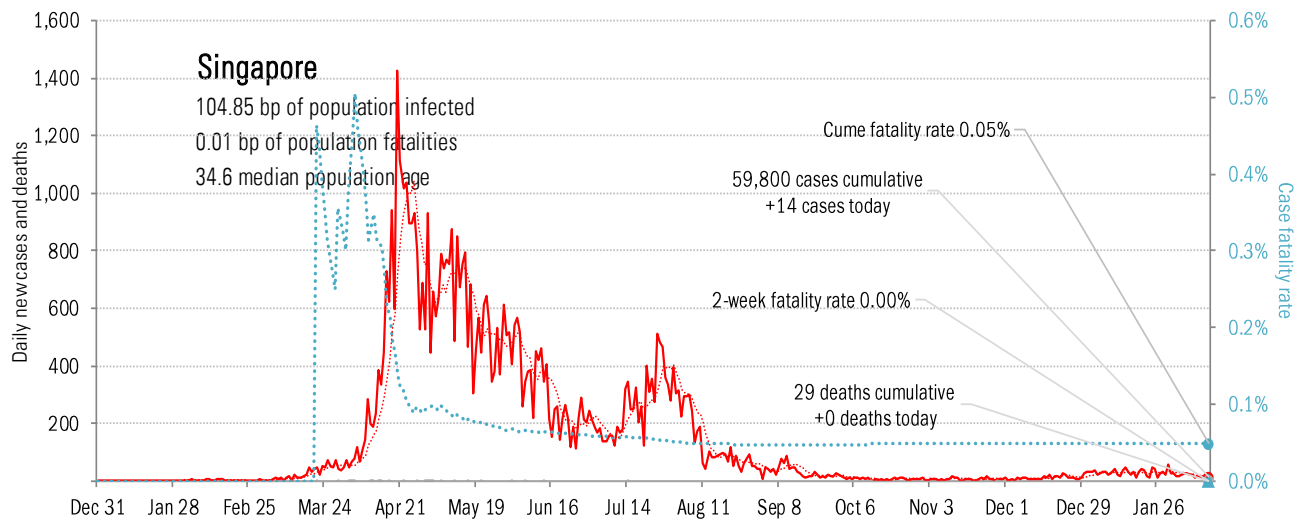
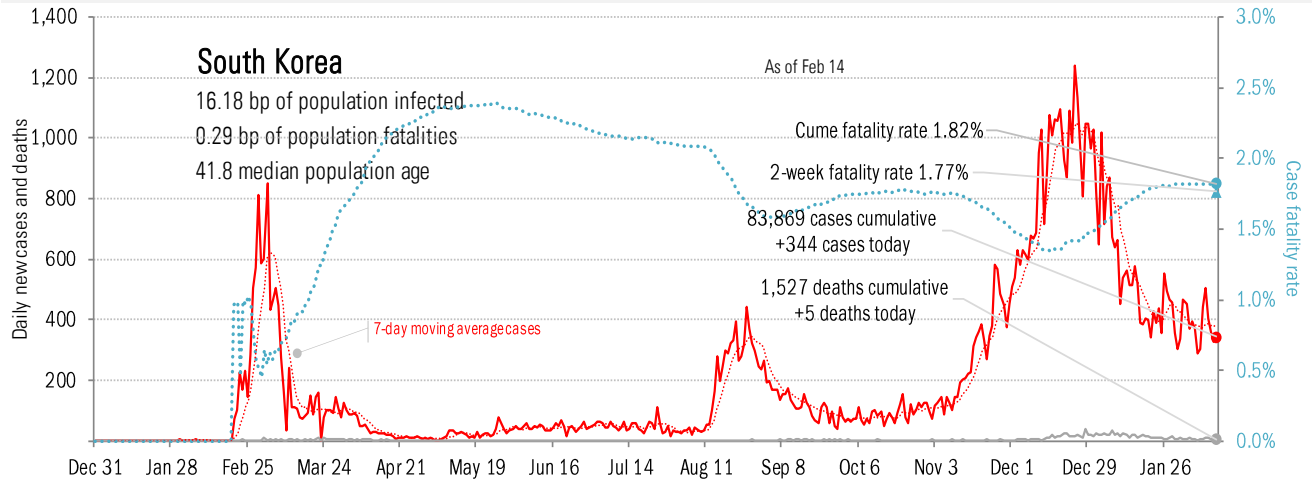
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



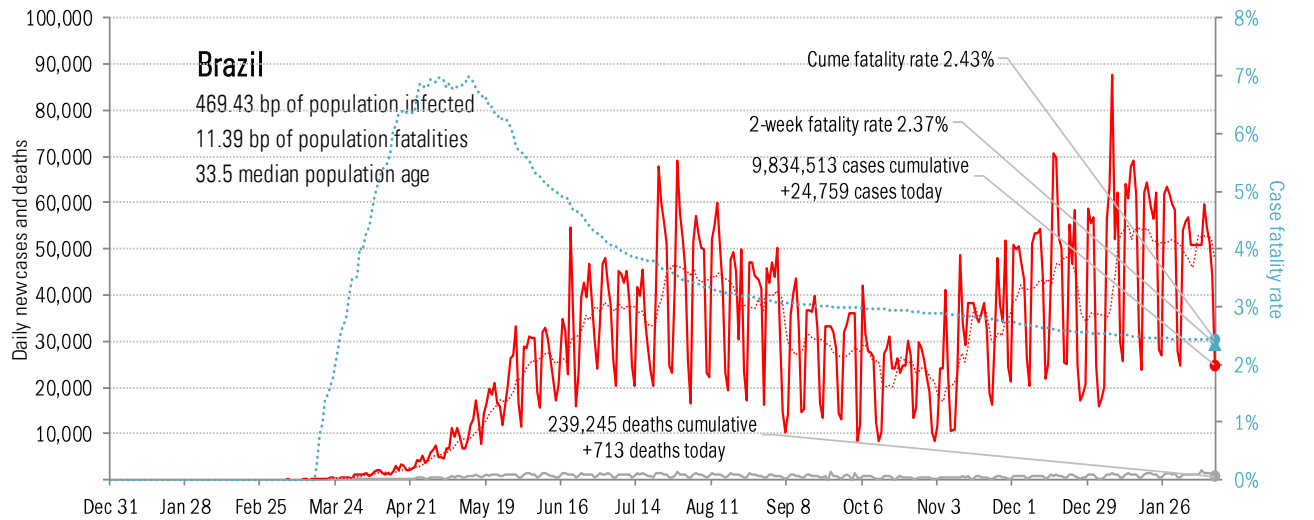
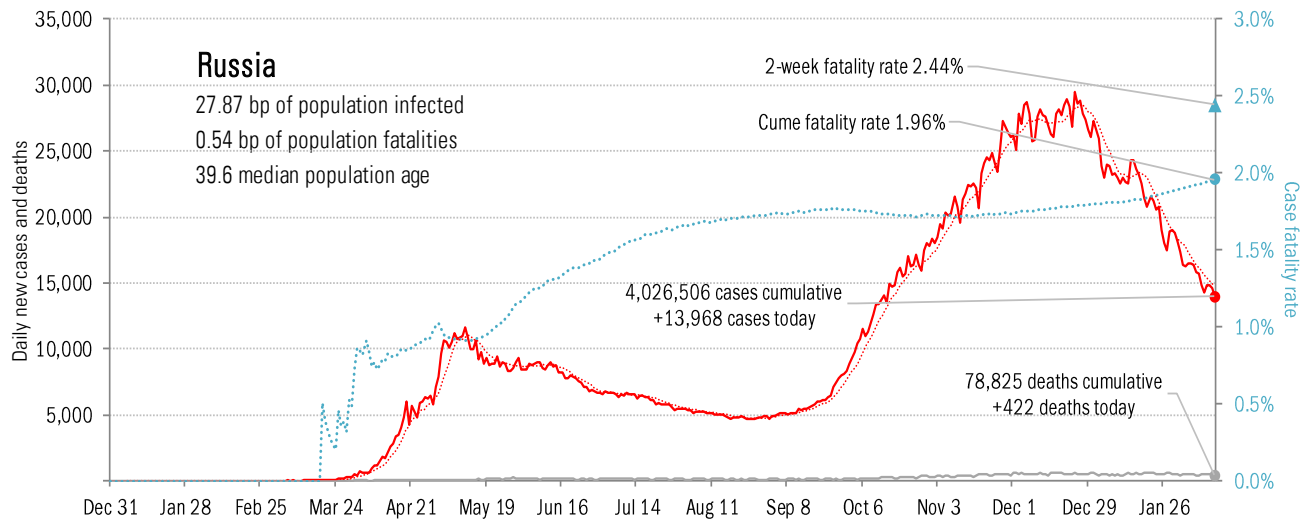
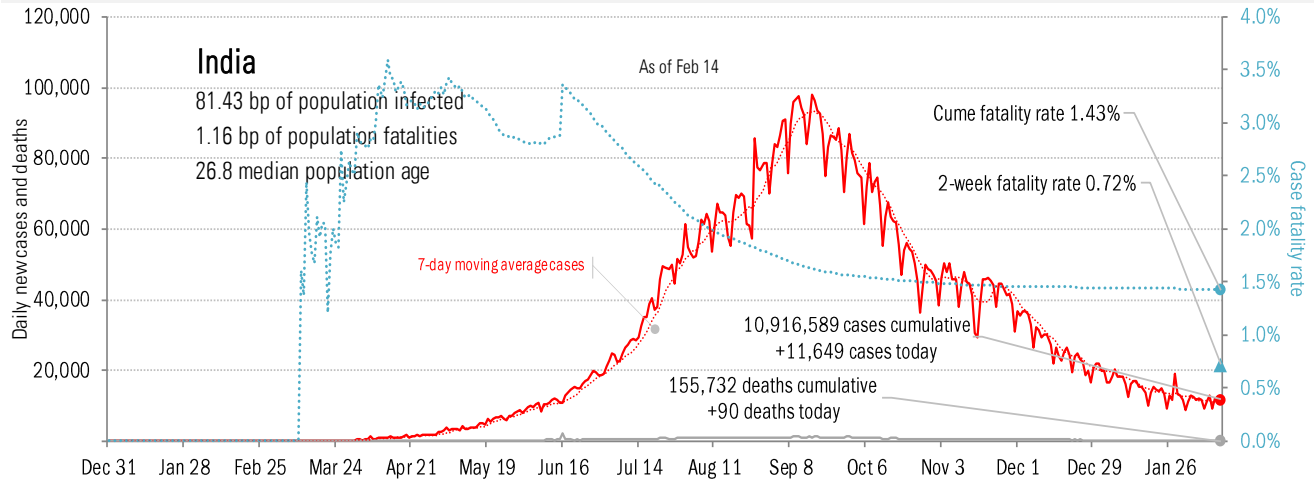
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



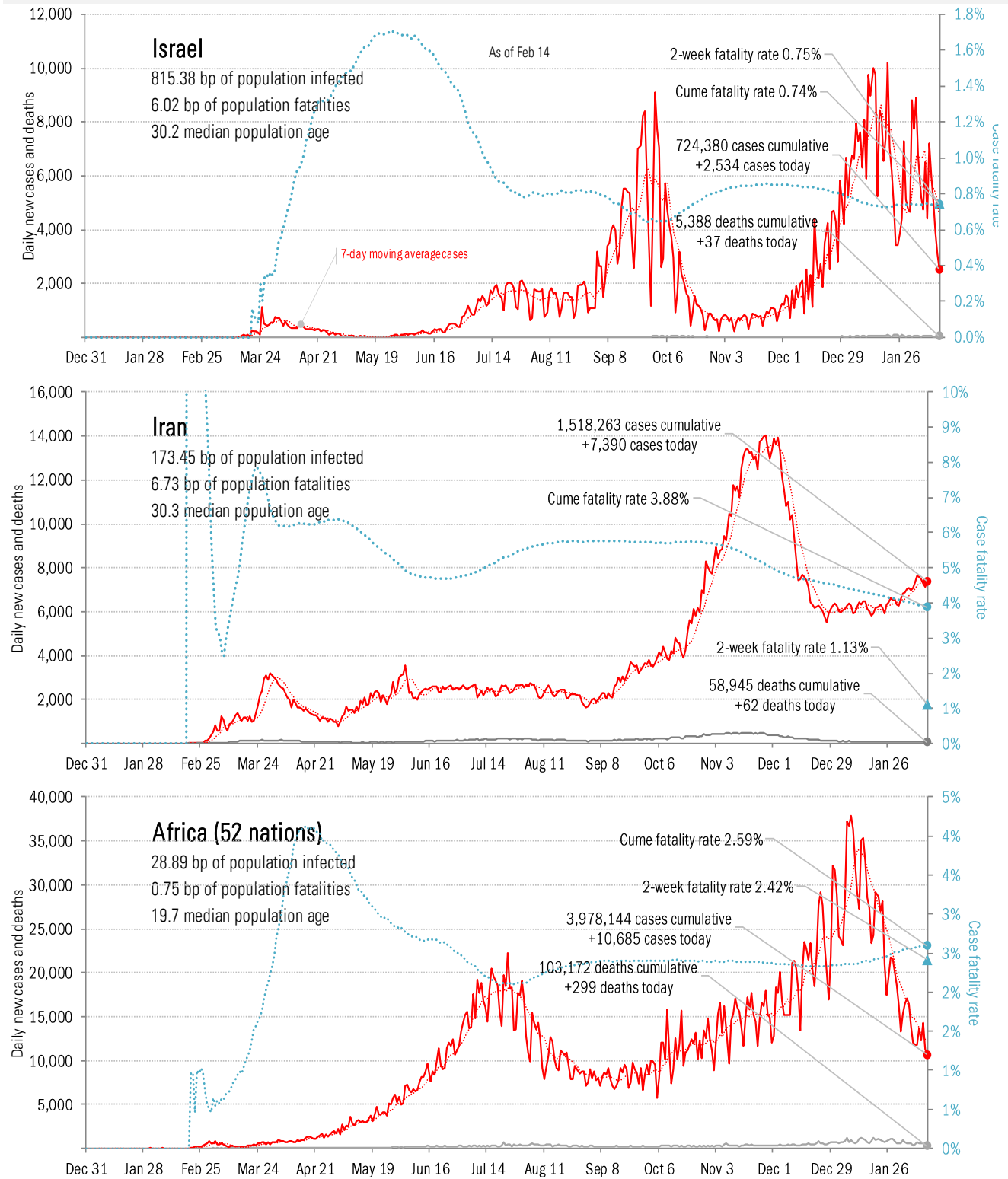
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



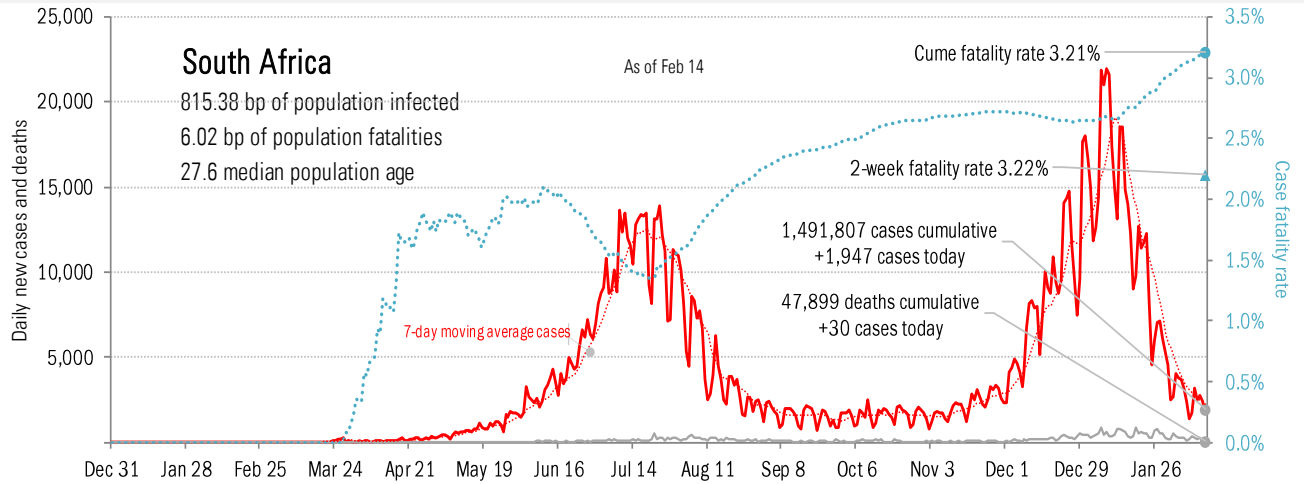
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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