

Data Insights: Covid-2019 Monitor

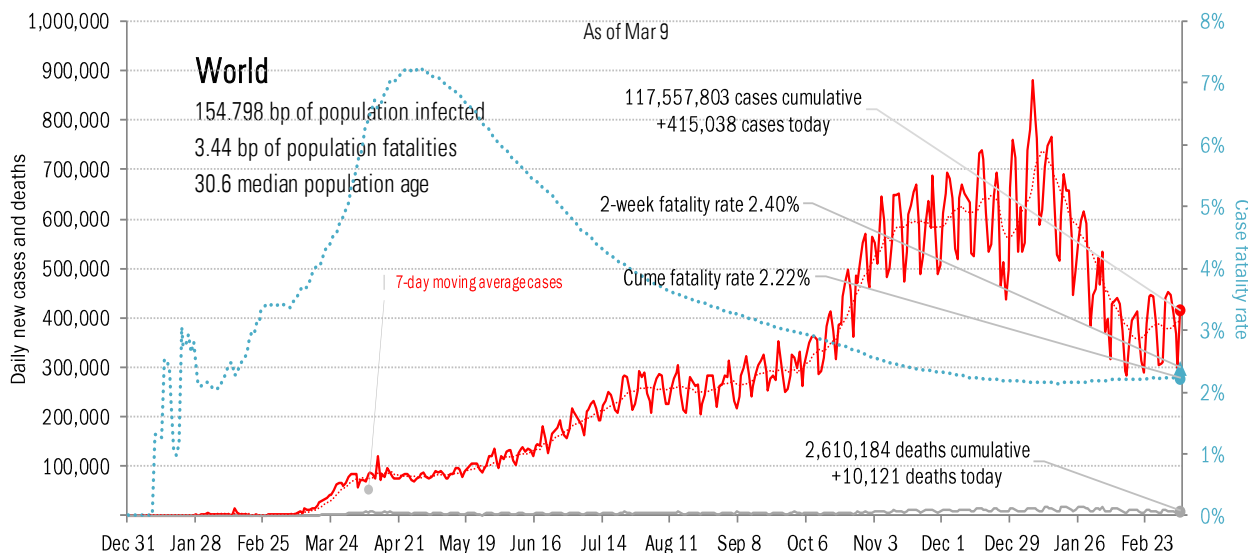
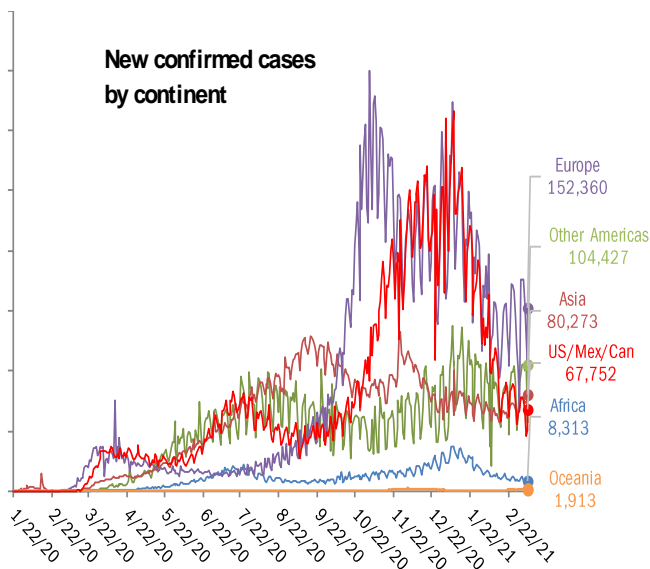
Wednesday, March 10, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+70,764	Brazil	+1,972
United States	+57,417	United States	+1,947
France	+23,143	Mexico	+866
Italy	+19,725	Italy	+376
India	+17,921	France	+365
Turkey	+13,755	Russia	+330
Sweden	+11,014	Peru	+309
Czechia	+10,524	Germany	+298
Poland	+9,953	Spain	+291
Russia	+9,342	Poland	+282
+243,558		+7,036	
World +415,038		World +10,121	
Top ten 59%		Top ten 70%	

New confirmed cases by continent



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

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The US scorecard

The ten worst US states

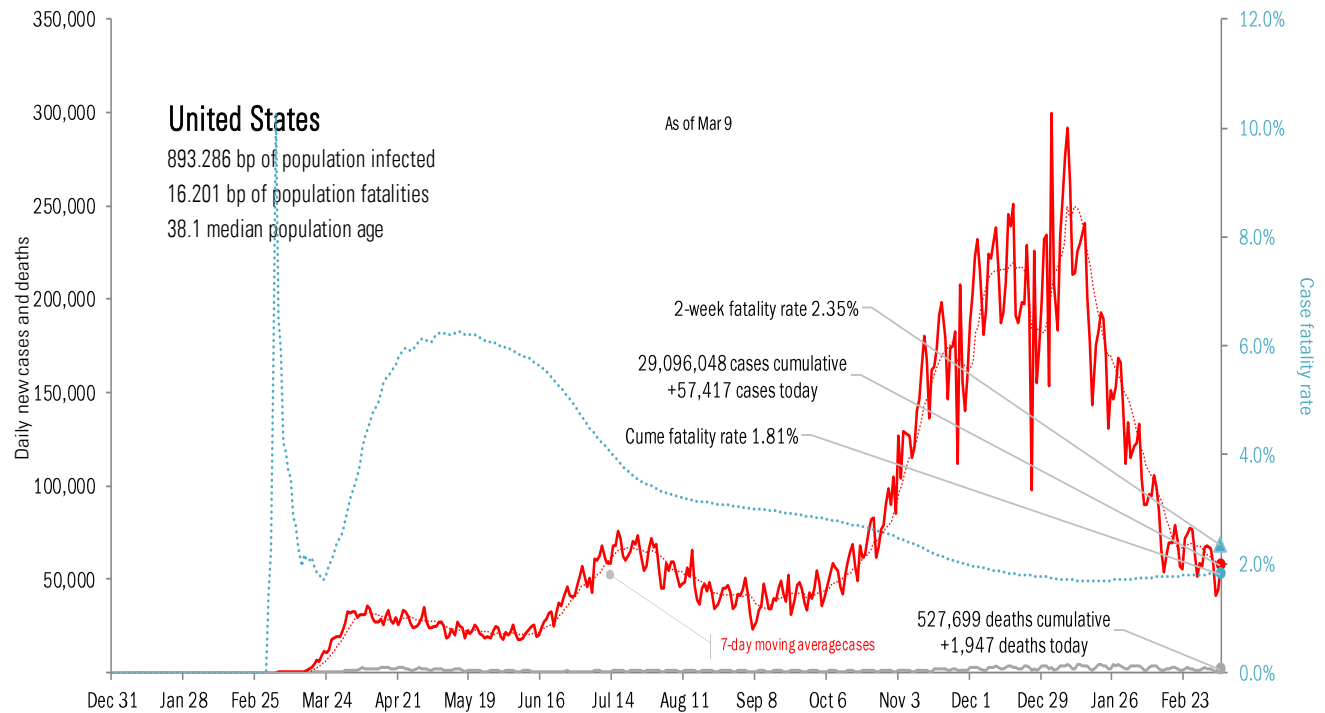
New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	+6,833		CA	+312		PR	+208		CA	3,607,891		CA	54,628		TX	216,030		RI	91%	DE	80%
TX	+5,629		TX	+171		GA	+69		TX	2,704,712		NY	48,481		CA	214,777		DC	78%	AL	80%
CA	+5,511		OK	+167		KY	+29		FL	1,952,733		TX	45,582		FL	141,169		MA	77%	GA	79%
FL	+4,426		CH	+160		CT	+11		NY	1,706,924		FL	31,889		NY	102,196		GA	76%	DC	78%
NJ	+4,126		MN	+140		KS	+10		IL	1,200,938		PA	24,388		GA	89,755		FL	76%	TX	78%
PA	+2,925		FL	+125		MA	+10		GA	1,026,692		NJ	23,635		CH	71,904		MO	75%	RI	76%
CH	+1,893		MO	+108		TX	+10		CH	981,618		IL	23,040		PA	68,399		CT	74%	MO	75%
GA	+1,761		VA	+107		IL	+9		PA	955,743		GA	17,978		KY	65,086		MD	74%	FL	75%
MN	+1,625		NY	+80		MI	+9		NC	875,903		CH	17,661		IL	64,955		PA	74%	AR	75%
VA	+1,537		NJ	+45		ME	+5		AZ	827,800		MI	16,692		AZ	56,478		MI	73%	OK	75%
+36,266			+1,415			+370			15,840,954			303,974			1,090,749						
All states	+57,417			+1,947			-70		All states	29,096,048			527,699			1,942,877		All states	68%		67%
Top ten	63%			73%			-529%		Top ten	54%			58%			56%		Median	67%		66%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NC	-1,733	NC	-16	NY	-72	TX	+10,856
CT	-1,317	GA	-12	CH	-58	PA	+2,538
MI	-748	AR	-10	WA	-20		
KS	-582	ID	-9	ND	-15		
RI	-564	WA	-8	MN	-13		

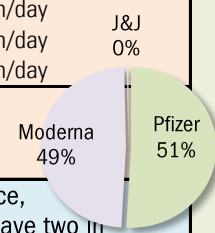
US recovery data is not updating. We are working to obtain a new source.



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
129.54 million doses distributed	+7.07 million/day	United States 9.6%
98.05 million doses administered	+1.70 million/day	United Kingdom 1.7%
63.68 million persons with one shot	+1.13 million/day	France 2.9%
33.54 million persons with two shots	+0.65 million/day	Spain 3.0%
7.42 million shots long-term care residents/staff	+0.01 million/day	Germany 3.1%
		Italy 2.9%
75.7% of distributed doses administered		Australia 0.8%
19.1% of US pop 1 shot	10.0% 2 shots	Israel 45.5%
100% of LTC 1 shot	59.0% 2 shots	Canada 1.5%
		Japan 2.9%
		China 4.5%
		India 0.3%
		Brazil 1.3%



At today's dosing pace, every American will have two in

329 days
by Feb 1, 2022

US will achieve herd immunity in

140 days
by Jul 27, 2021

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

AK
58.9%
25.3%
16.0%

ME
40.3%
21.6%
11.3%

WI
37.0%
19.8%
11.0%

VT
43.7%
20.9%
11.1%

NH
37.7%
21.3%
9.1%

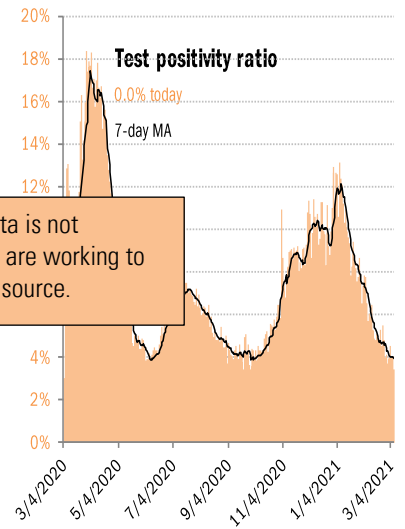
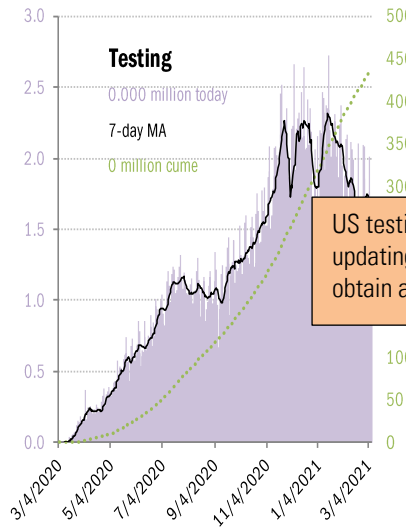
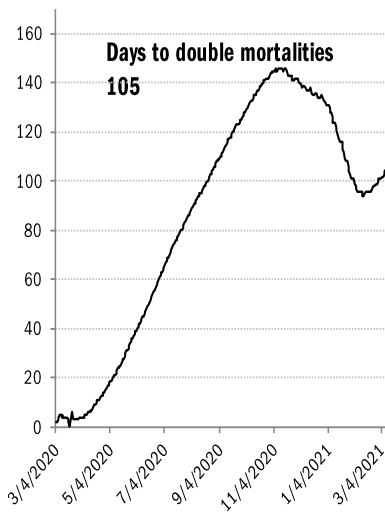
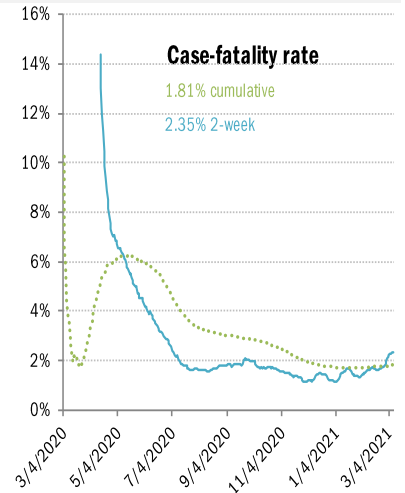
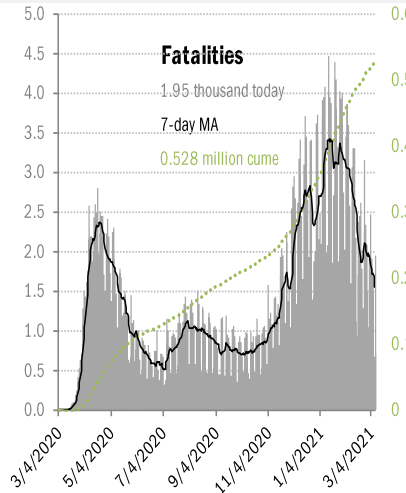
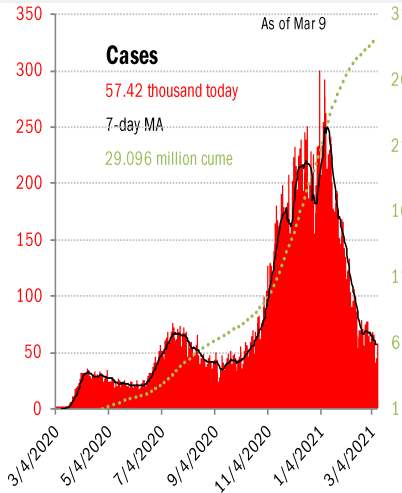
WA 38.6% 18.9% 10.6%	ID 34.6% 17.0% 10.0%	MT 38.8% 20.6% 11.6%	ND 41.8% 22.8% 12.1%	MN 35.7% 20.7% 10.7%	IL 37.2% 19.1% 9.2%	MI 37.6% 18.1% 10.1%	NY 36.7% 18.8% 9.2%	MA 38.6% 21.9% 10.3%		
OR 35.1% 18.4% 10.4%	NV 36.5% 17.7% 9.7%	WY 42.5% 19.9% 11.8%	SD 46.5% 24.2% 12.9%	IA 36.8% 20.7% 9.9%	IN 36.3% 17.3% 10.8%	OH 37.1% 17.7% 10.1%	PA 37.6% 18.8% 8.7%	NJ 35.6% 20.5% 10.4%	CT 42.8% 25.2% 9.7%	RI 39.8% 22.7% 8.9%
CA 38.1% 18.7% 8.7%	UT 32.9% 16.0% 7.4%	CO 36.8% 18.4% 10.2%	NE 39.8% 20.0% 10.8%	MO 33.3% 16.9% 8.9%	KY 37.9% 19.5% 10.0%	WV 43.1% 20.5% 12.9%	VA 36.2% 19.2% 10.7%	MD 37.3% 18.9% 10.7%	DE 40.0% 17.9% 10.6%	
AZ 36.3% 19.7% 10.3%	NM 46.4% 26.0% 14.5%	KS 37.6% 17.9% 9.1%	AR 38.4% 16.6% 9.3%	TN 34.3% 15.6% 8.4%	NC 35.5% 17.7% 9.7%	SC 34.5% 17.2% 9.8%	DC 50.4% 14.5% 7.5%			
OK 44.1% 20.8% 11.8%	LA 37.4% 17.5% 10.0%	MS 36.6% 17.1% 9.4%	AL 34.4% 15.2% 8.6%	GA 34.9% 13.4% 8.6%						
HI 44.6% 20.3% 12.7%	TX 33.4% 15.8% 8.5%	FL 39.4% 17.5% 9.7%	PR 39.3% 12.7% 7.3%							

As of Mar 9

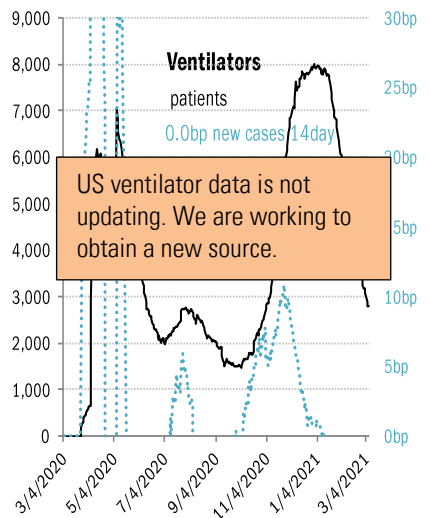
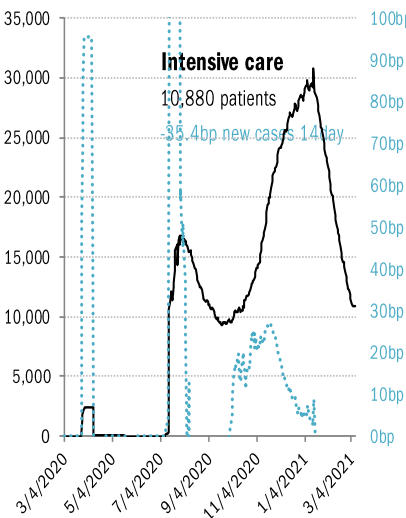
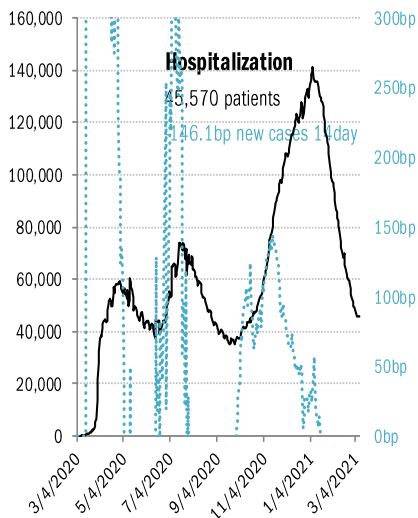
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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



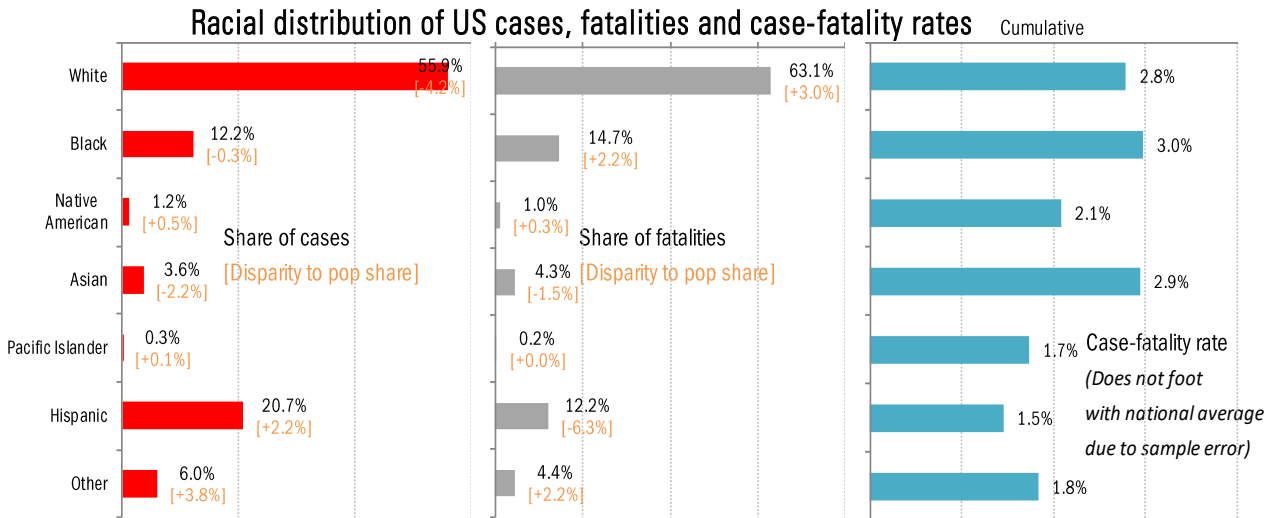
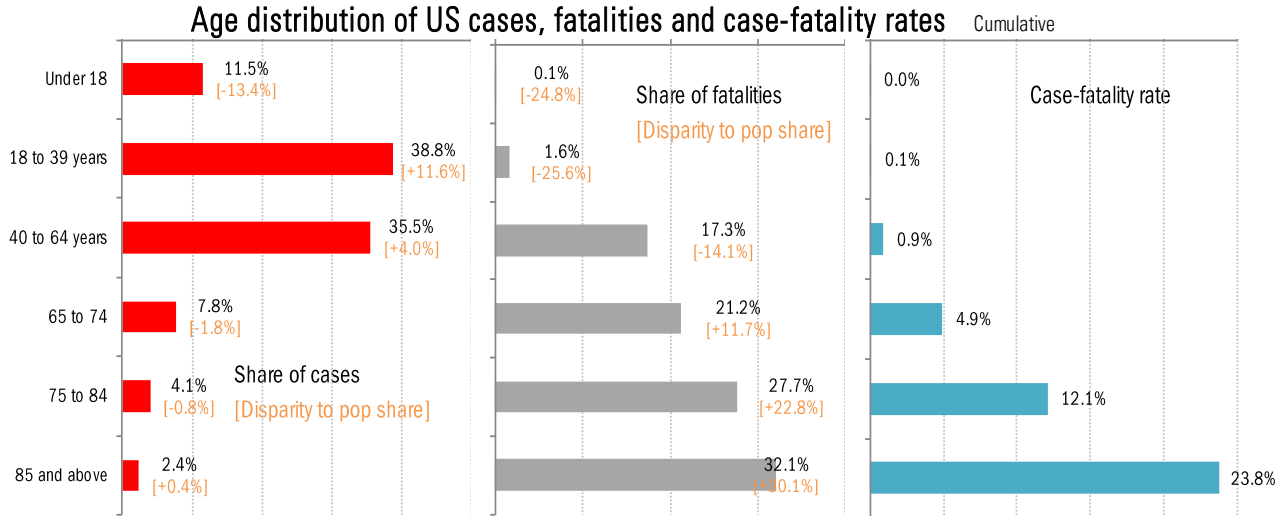
US testing data is not updating. We are working to obtain a new source.



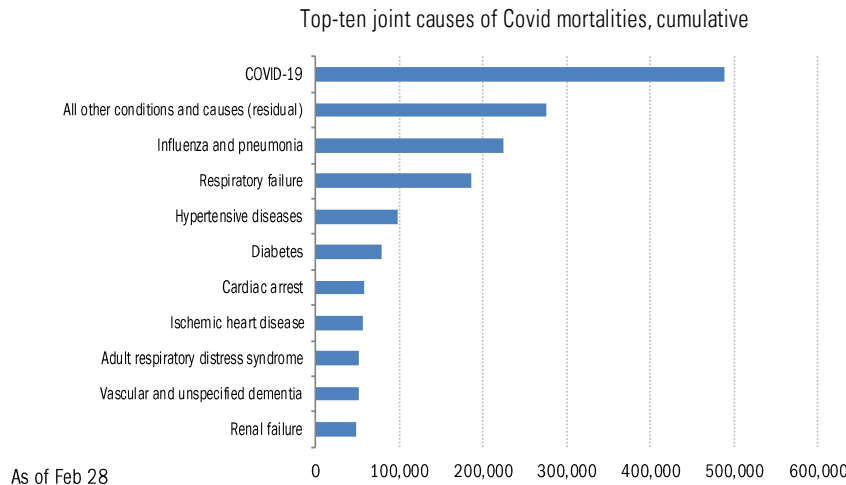
US ventilator data is not updating. We are working to obtain a new source.

Source: [Johns Hopkins](#), 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 3.8 additional conditions or causes per death.

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

Recommended reading

[Scott Atlas: The Last Word](#)

Scott Atlas
Stanford Review
March 7, 2021

[Body Mass Index and Risk for COVID-19–Related Hospitalization, Intensive Care Unit Admission, Invasive Mechanical Ventilation, and Death — United States, March–December 2020](#)

Lyudmyla Kompaniyets et al.
CDC Morbidity and Mortality Weekly Report
March 8, 2021

[Stay-at-home policy is a case of exception fallacy: an internet-based ecological study](#)

R. F. Savaris et al.
Scientific Reports
March 5, 2021

[California vs. Florida: Who handled COVID-19 better?](#)

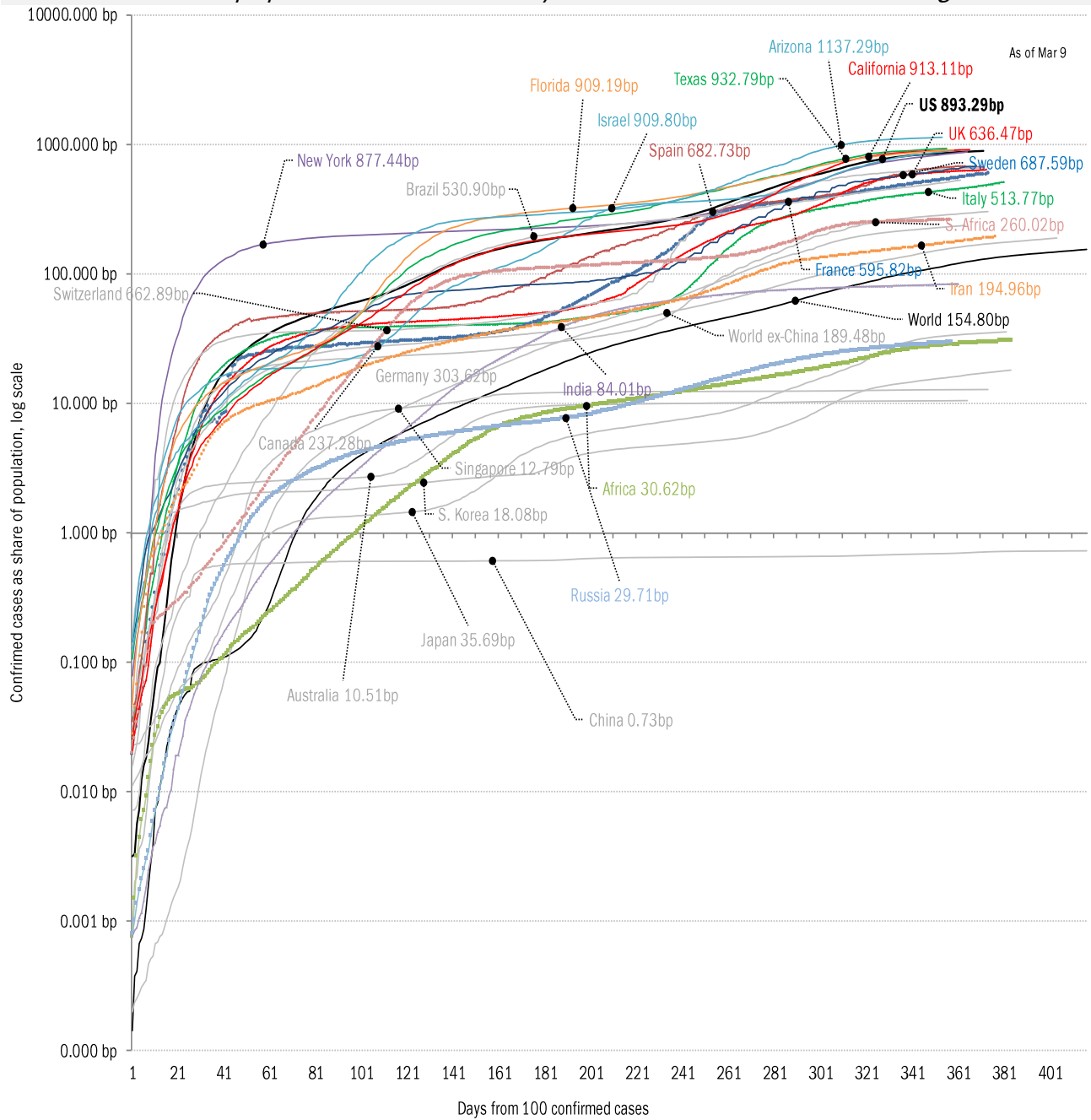
Soumya Karlamangla and Rong-Gong Lin II
Los Angeles Times
March 8, 2021

Meme of day



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

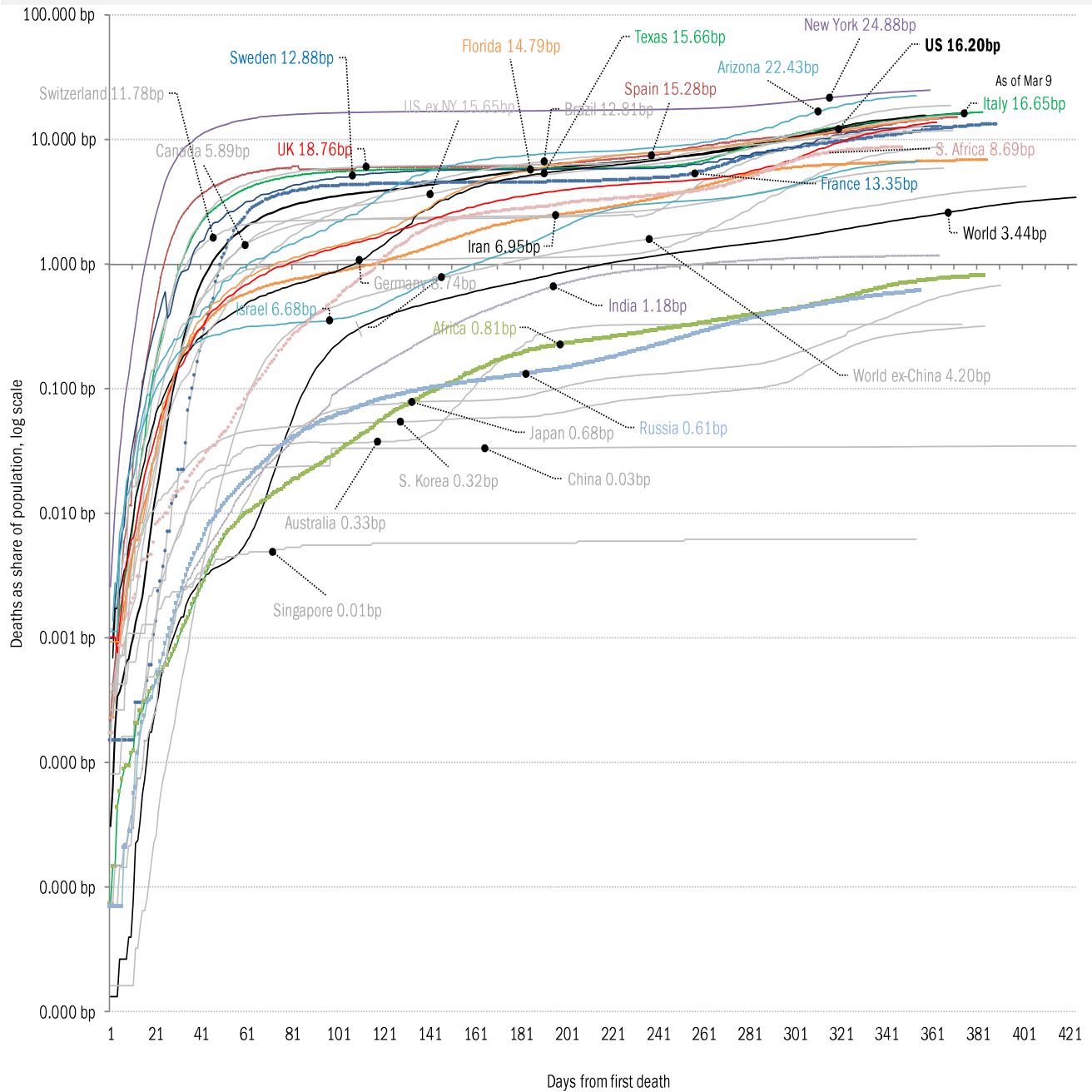
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality

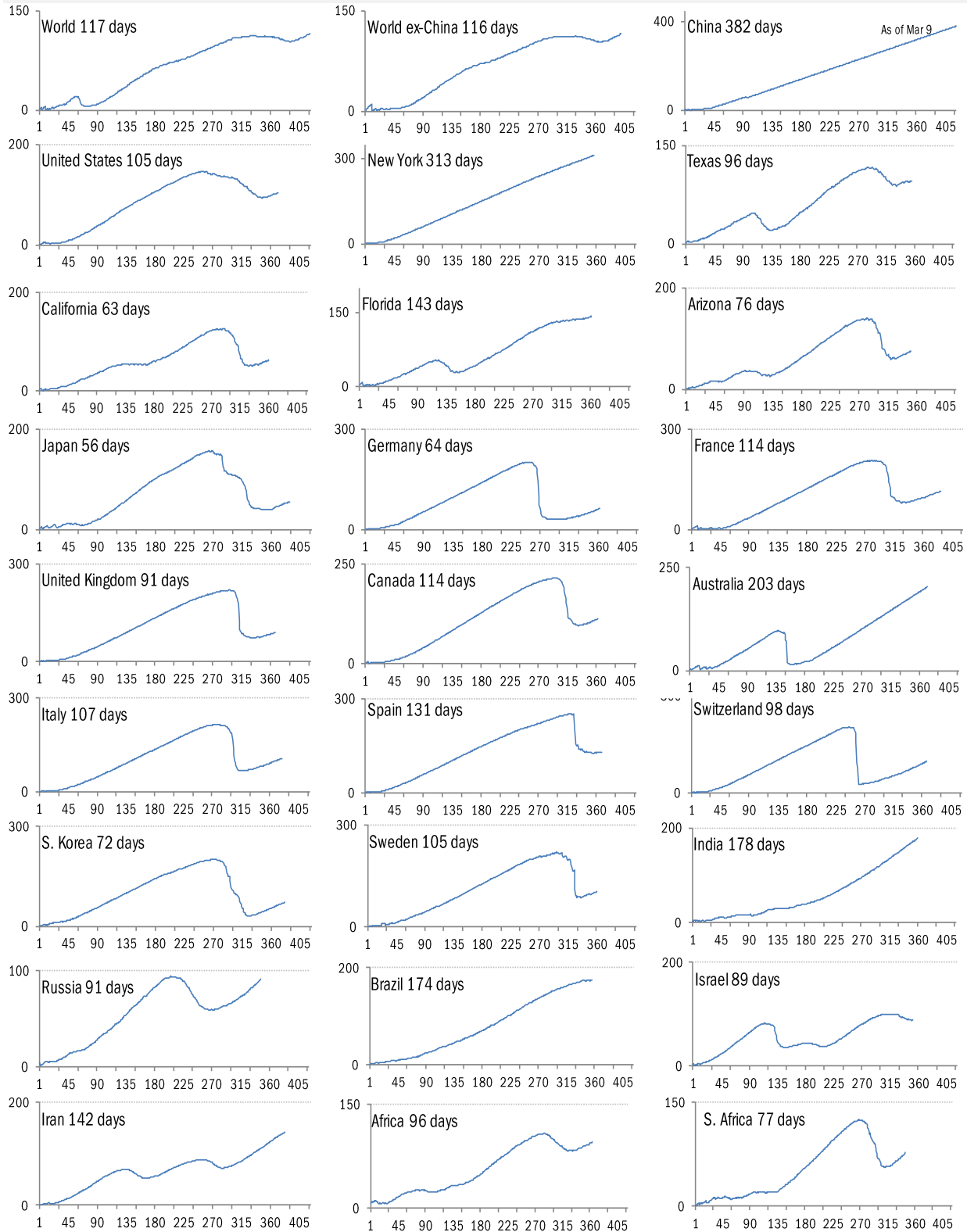


Source: [Johns Hopkins](#), TrendMacro calculations

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

US testing data is not updating. We are working to obtain a new source.

Alt requirement to [Open Up America Again](#): 14-day "downward 14-day moving average, last 14 days" Most recent value displayed

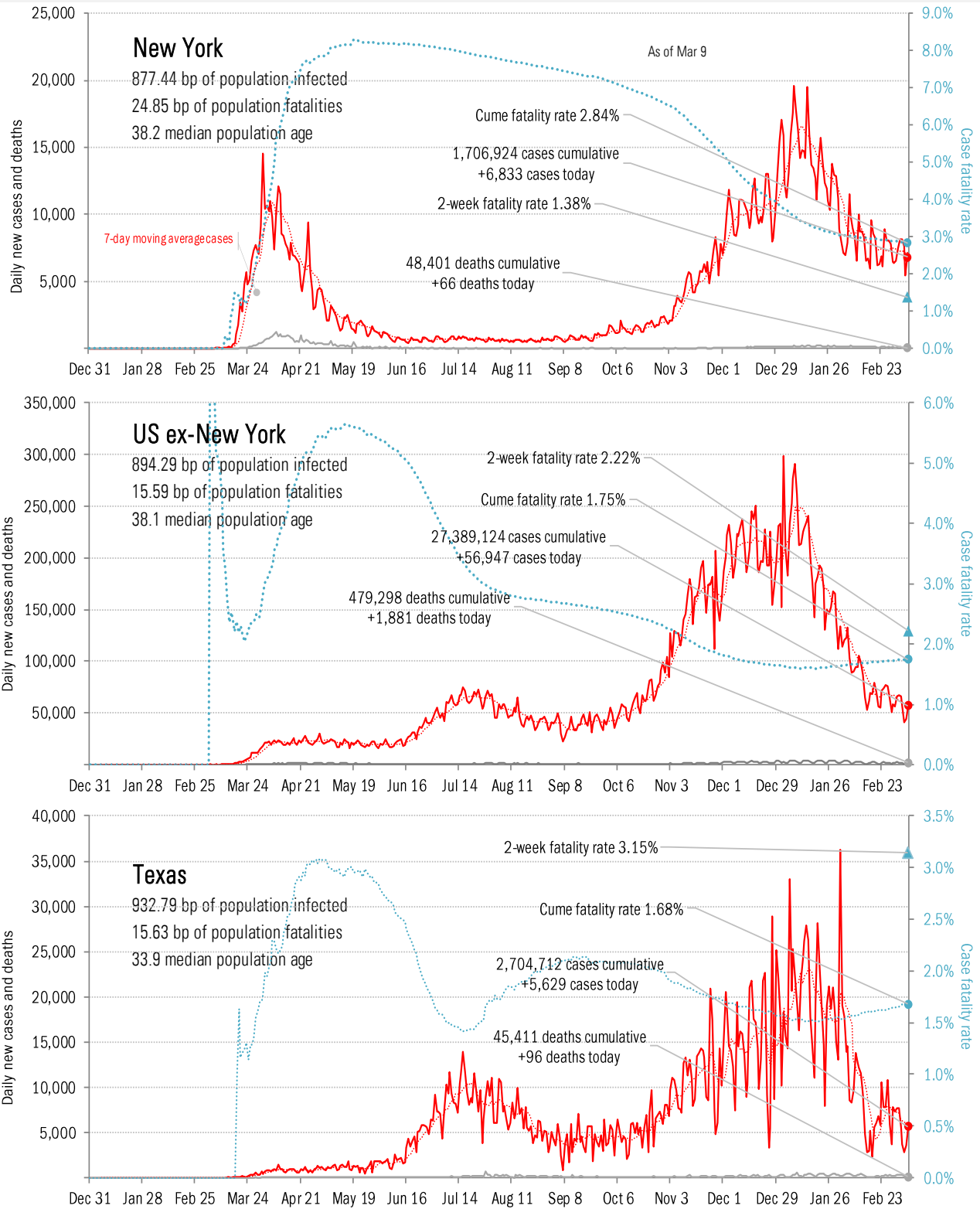
■ Downward trajectory
 ■ Five best
 ■ Upward trajectory
 ■ Five worst

● HIGH ● LOW



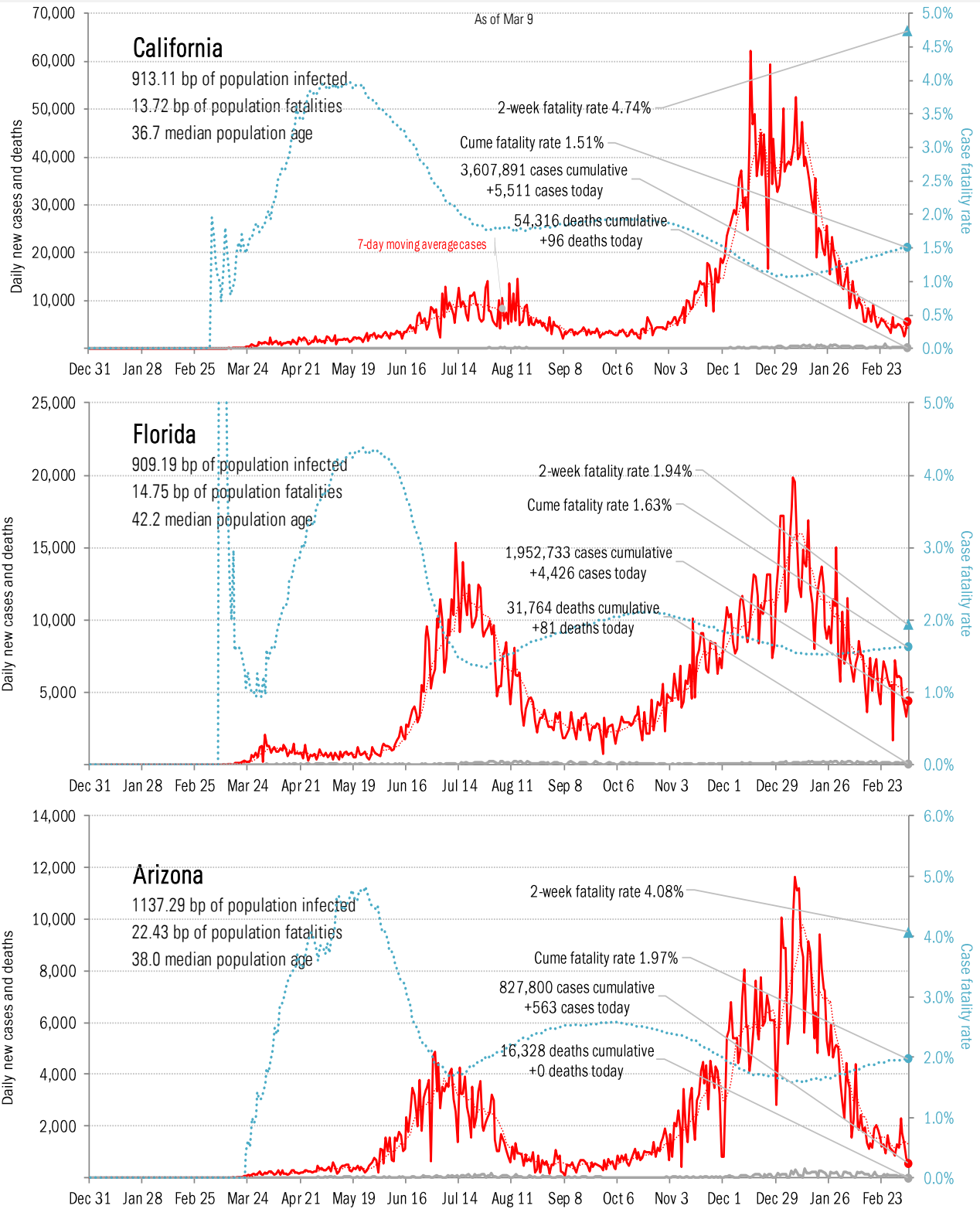
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



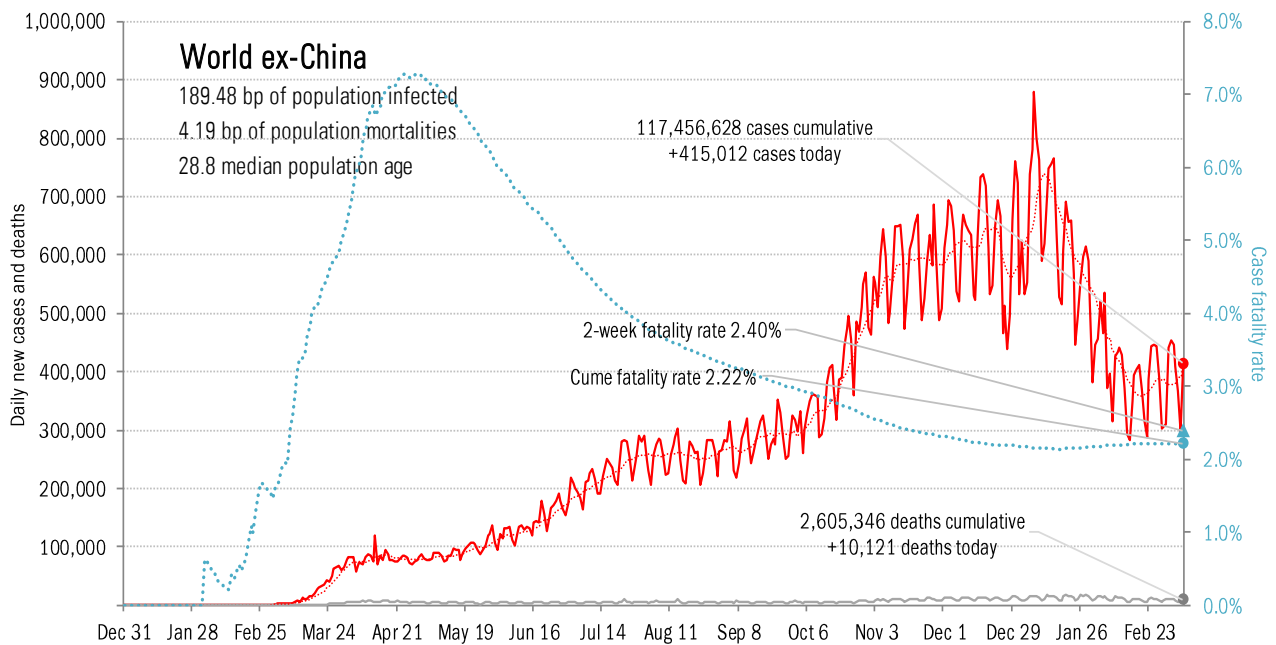
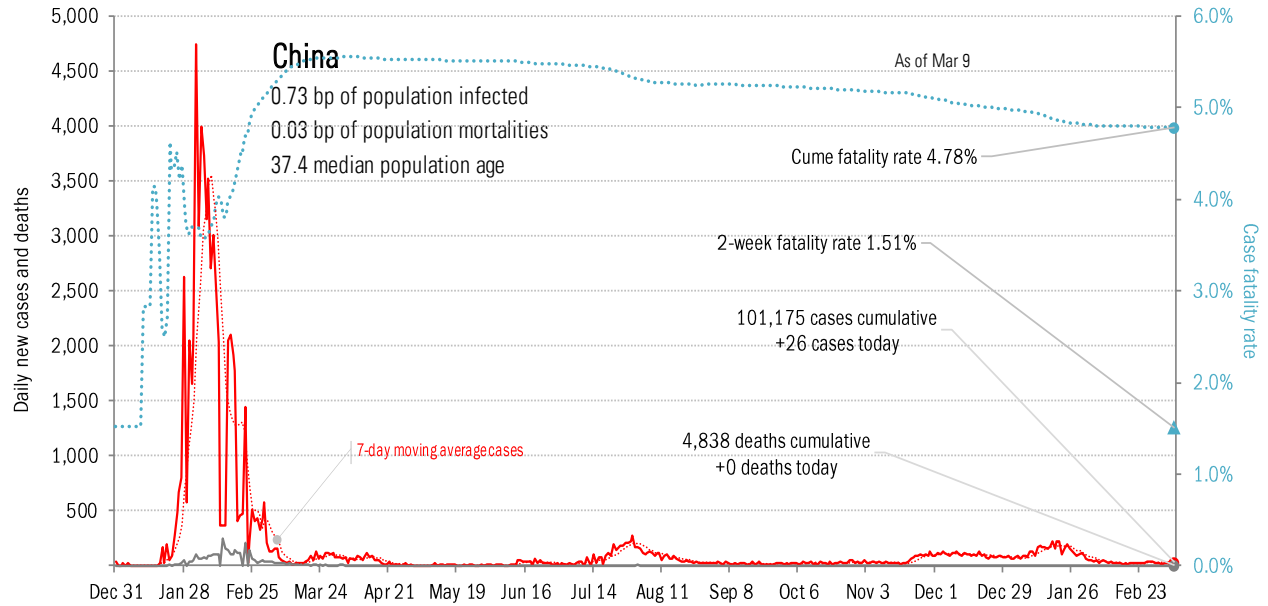
Source: [Johns Hopkins](#), TrendMacro calculations

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



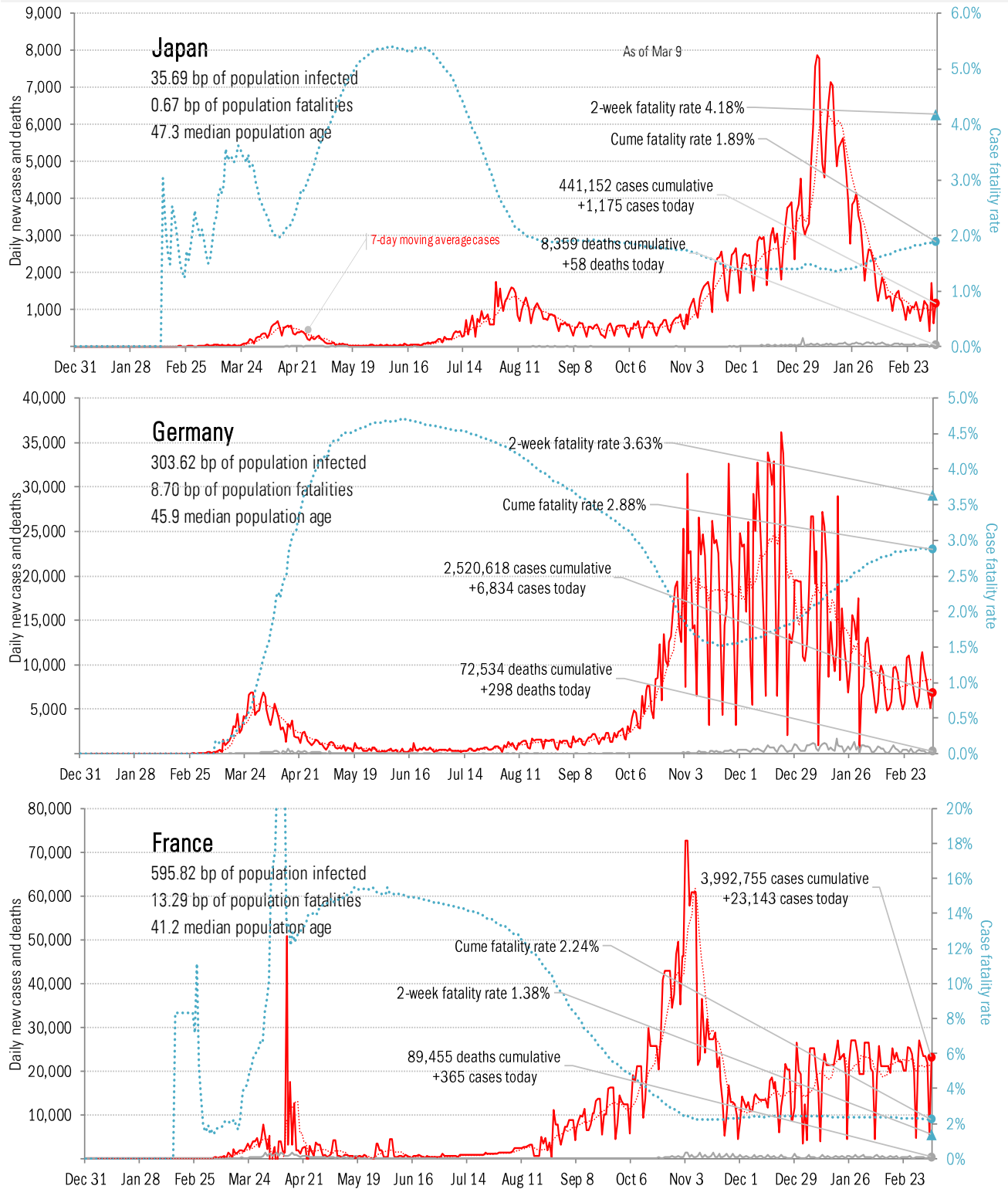
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



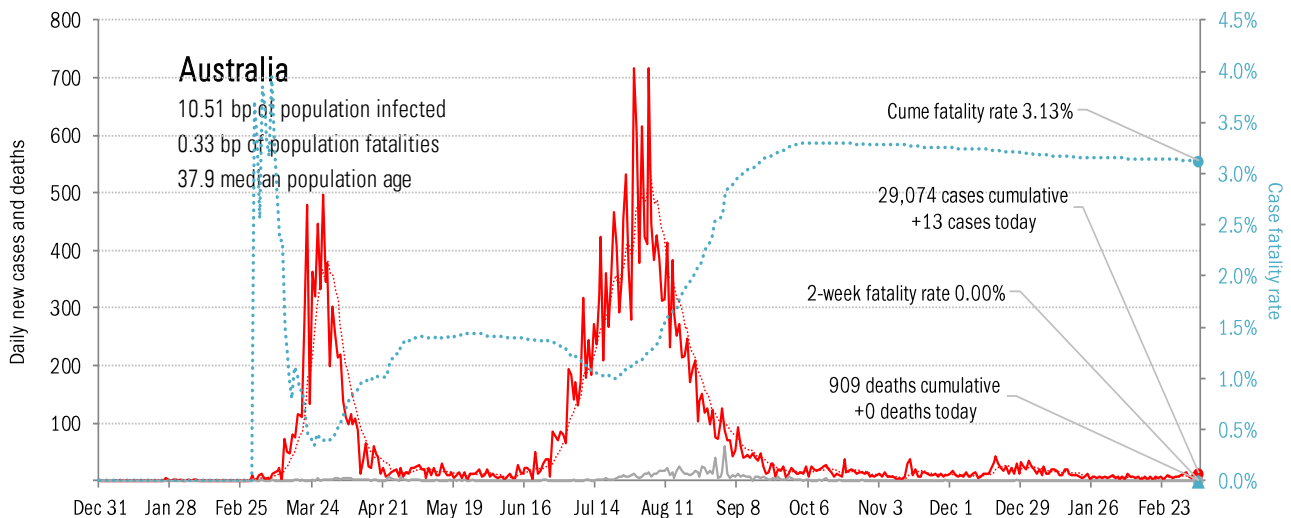
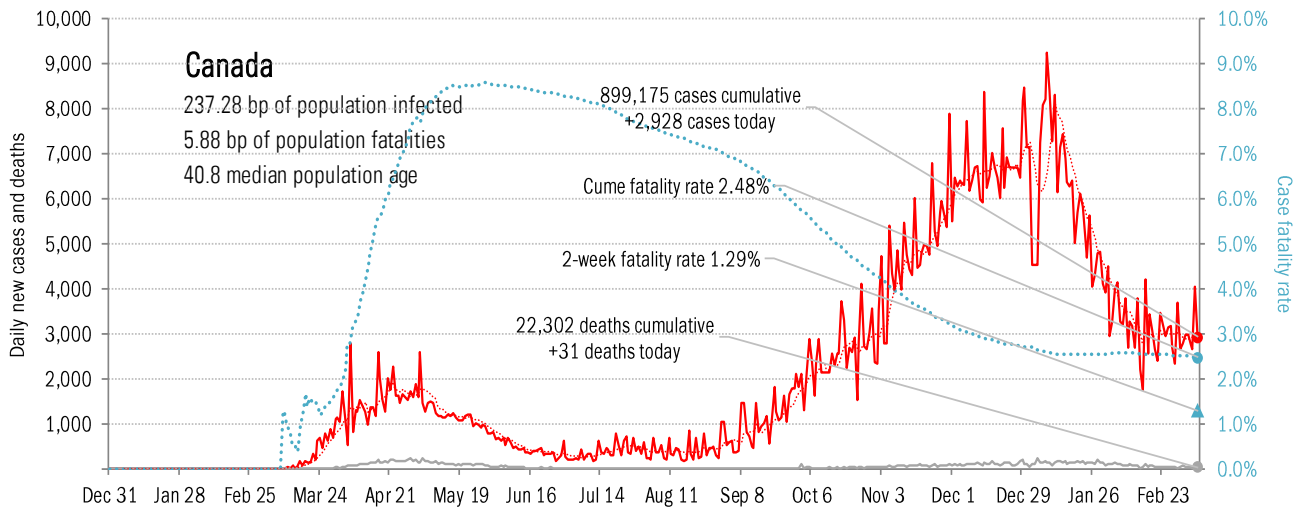
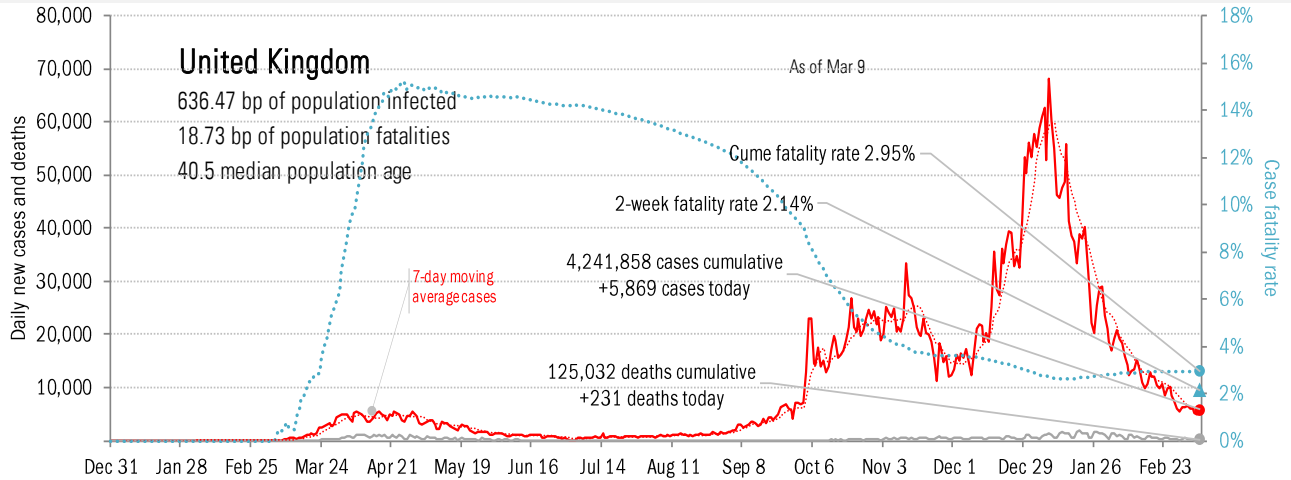
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



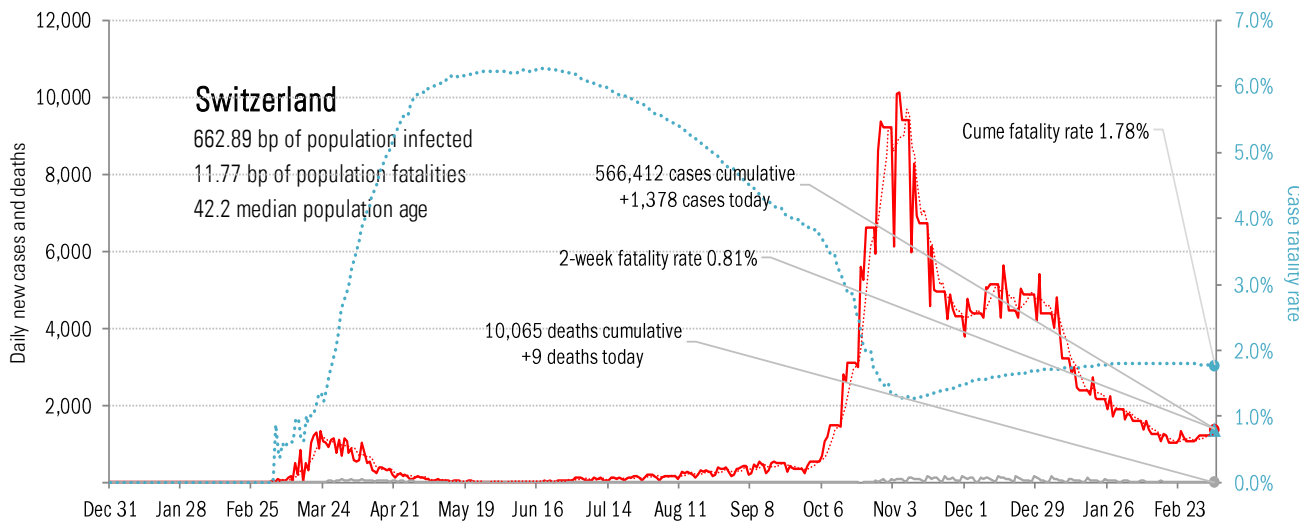
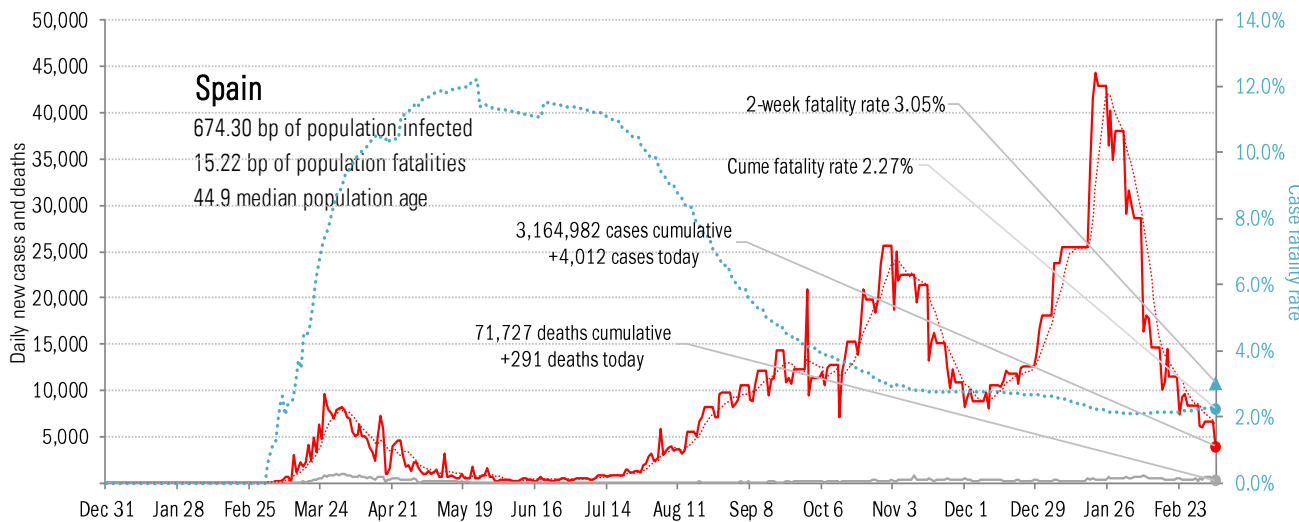
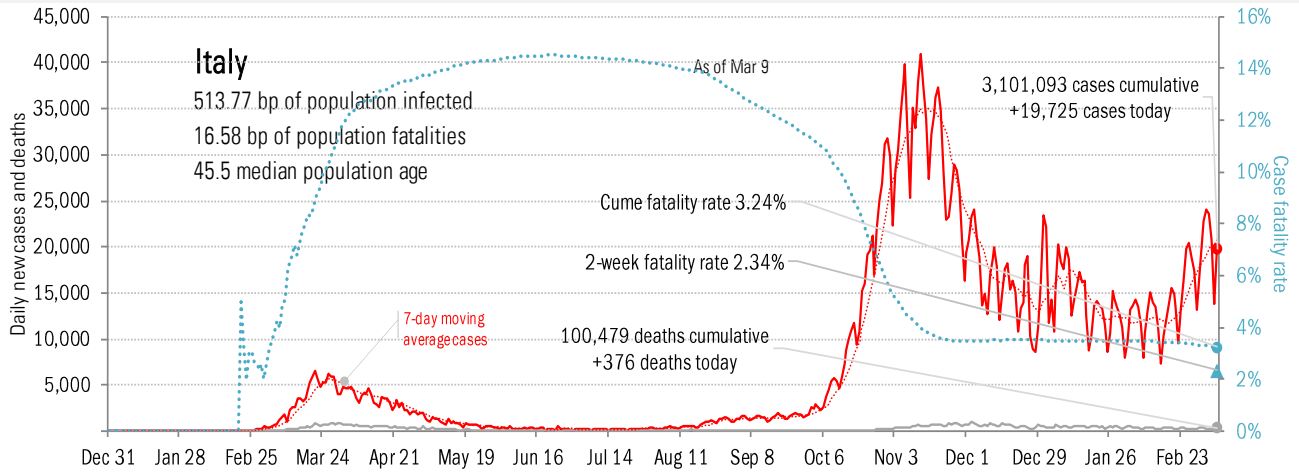
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



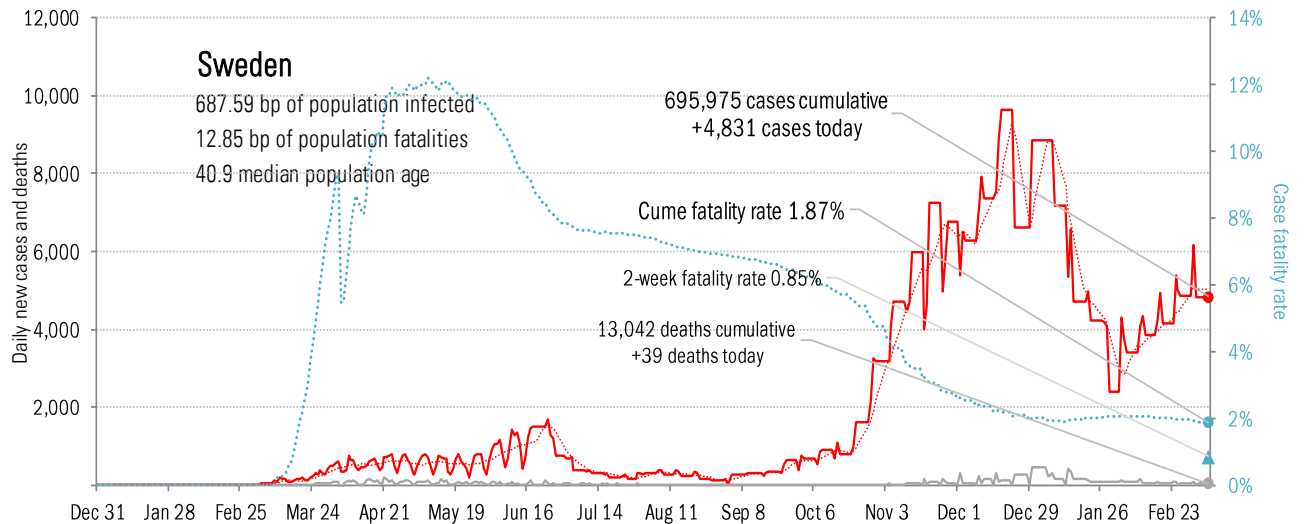
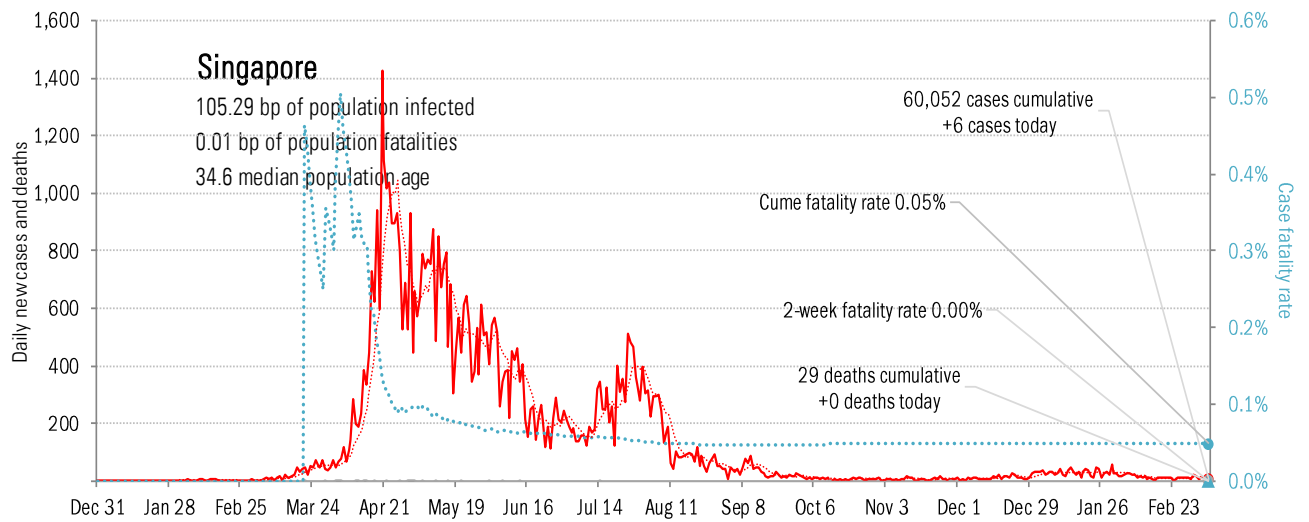
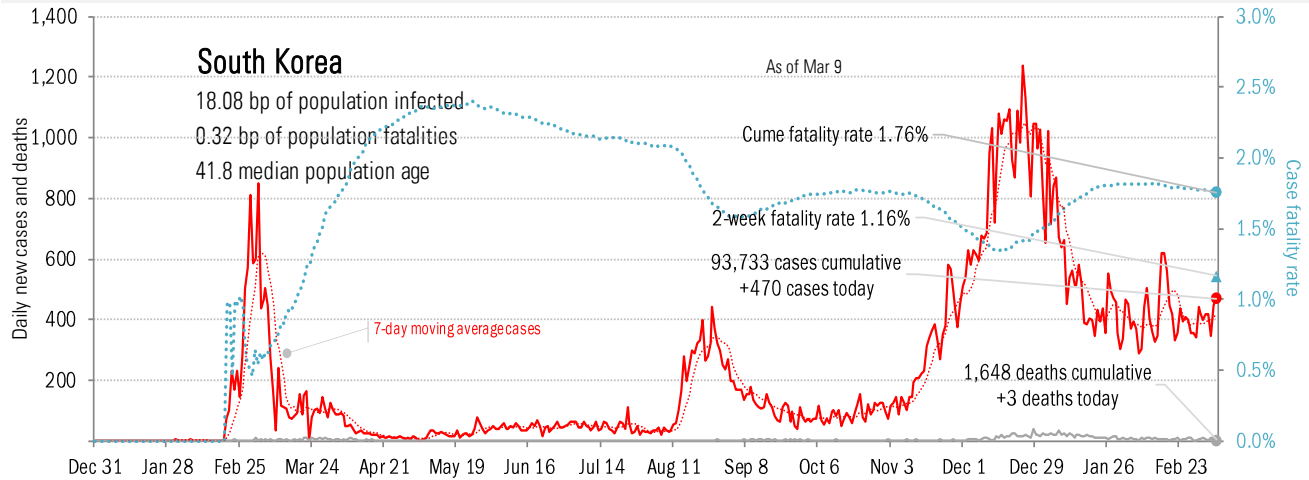
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



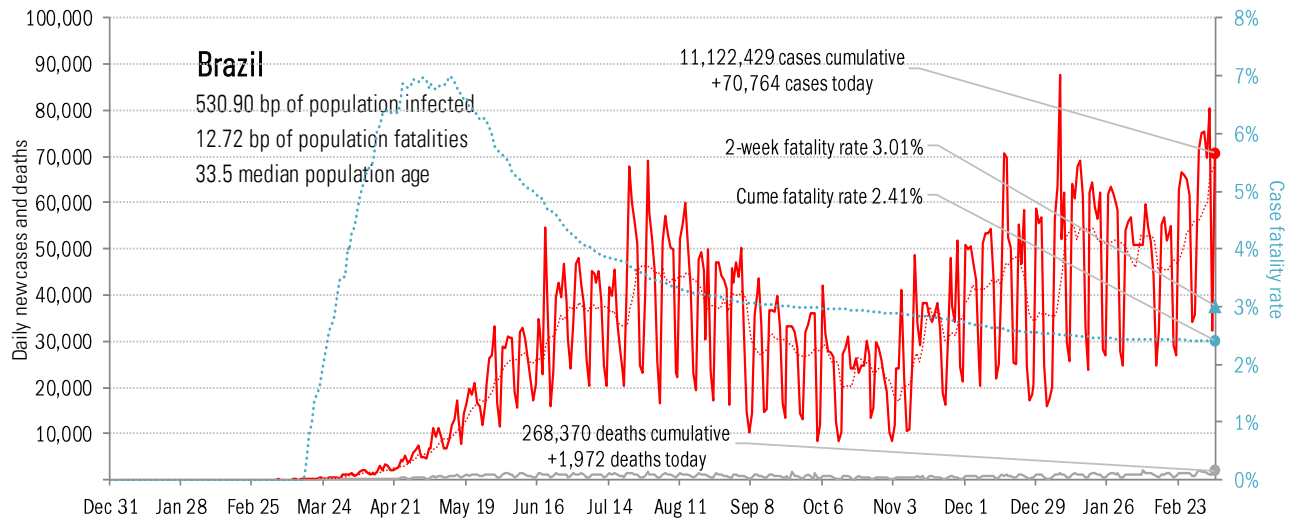
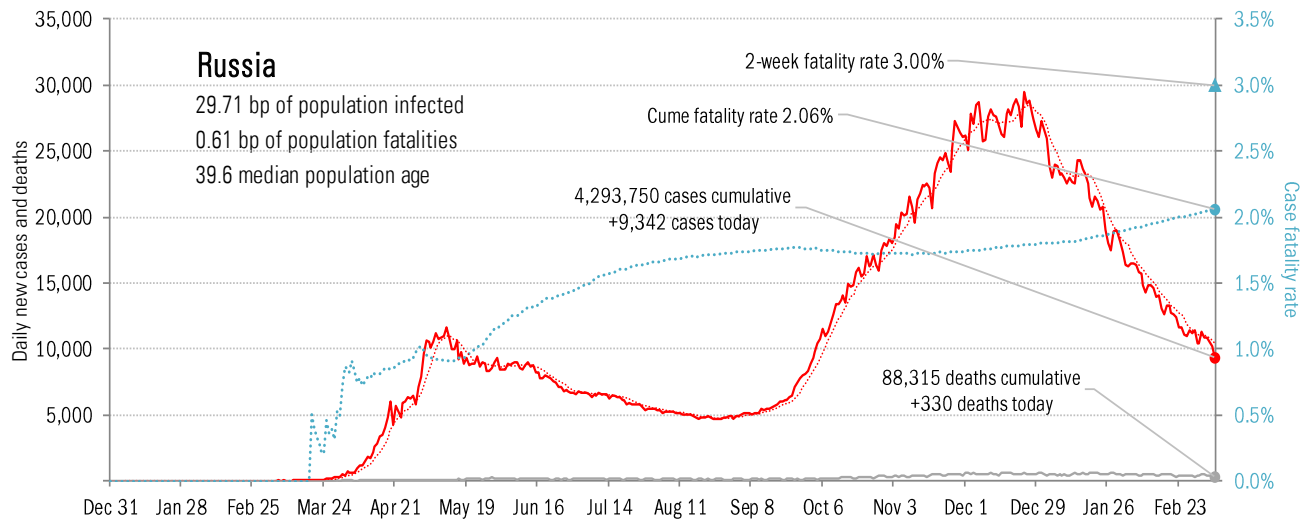
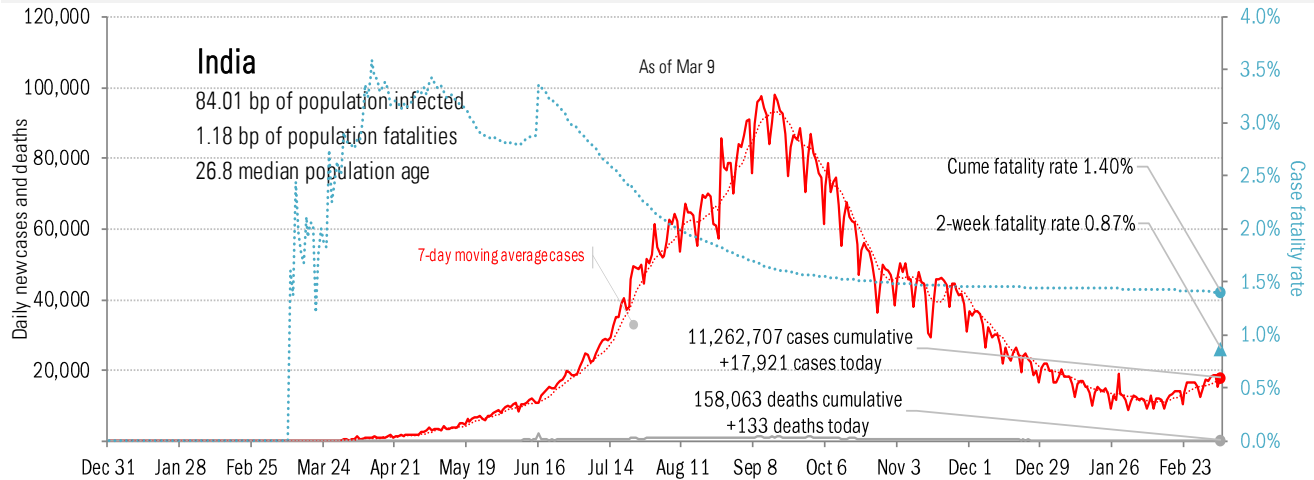
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



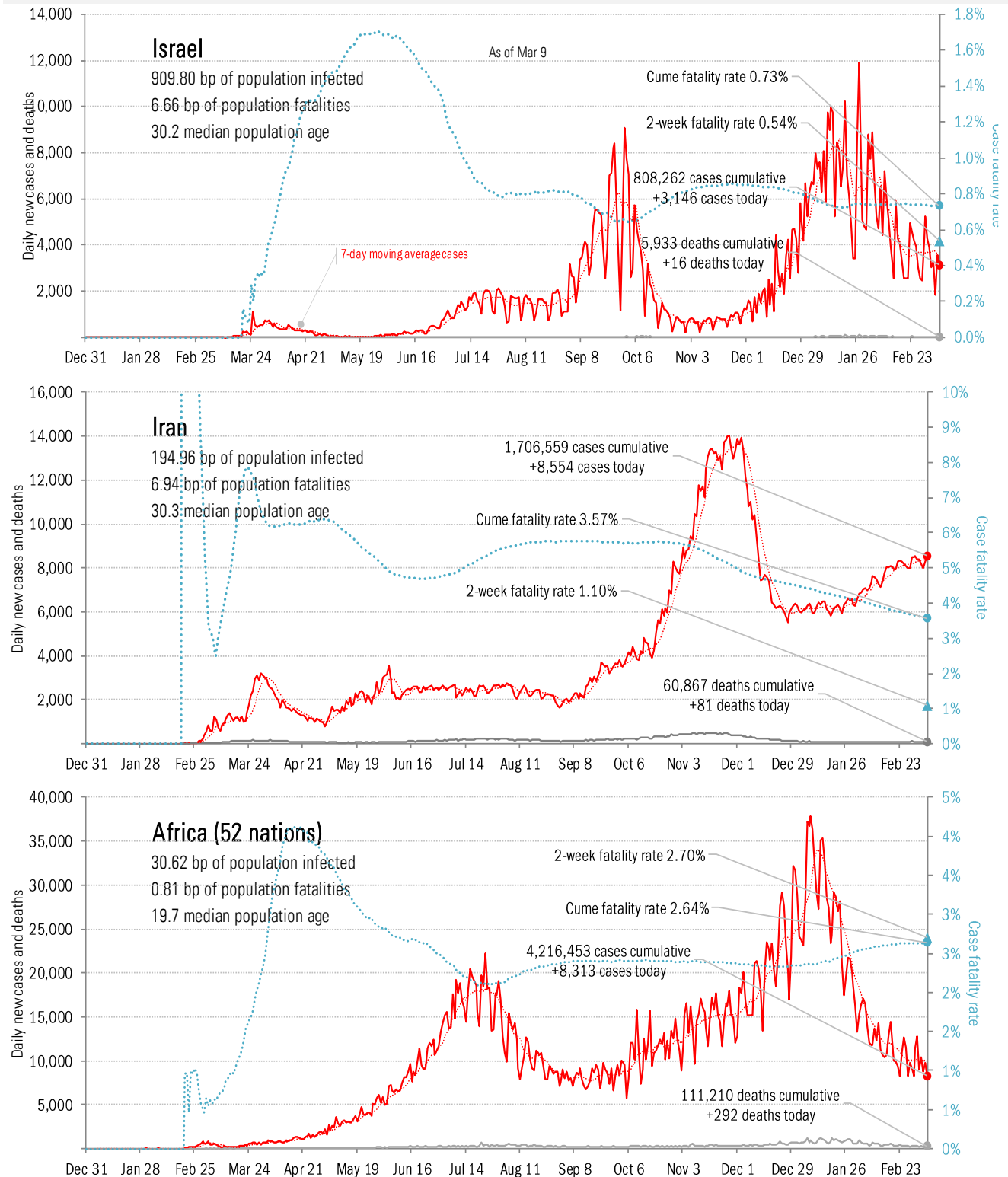
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



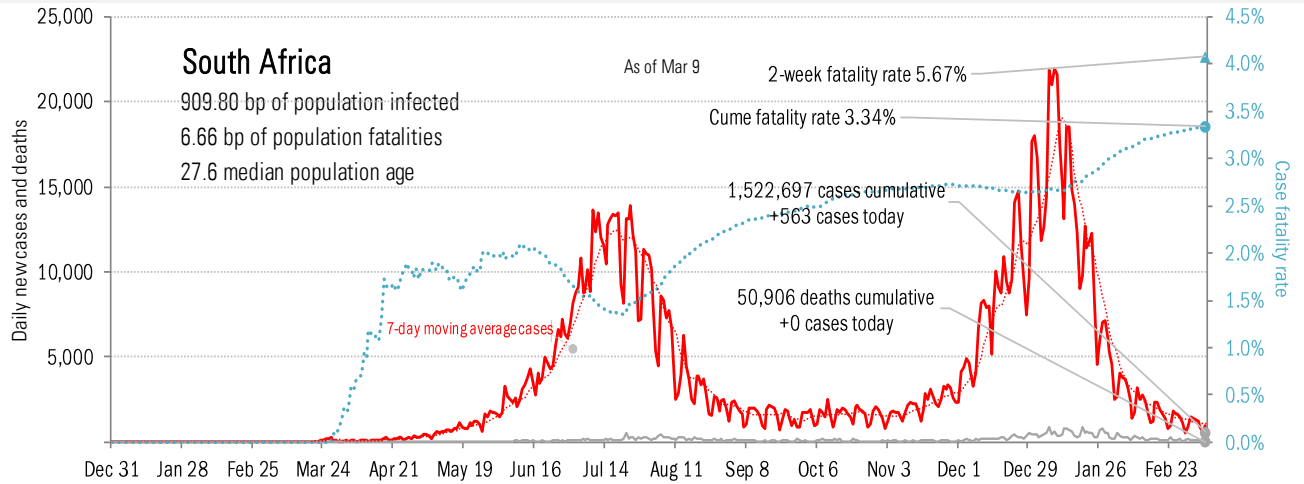
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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