

Data Insights: Covid-2019 Monitor

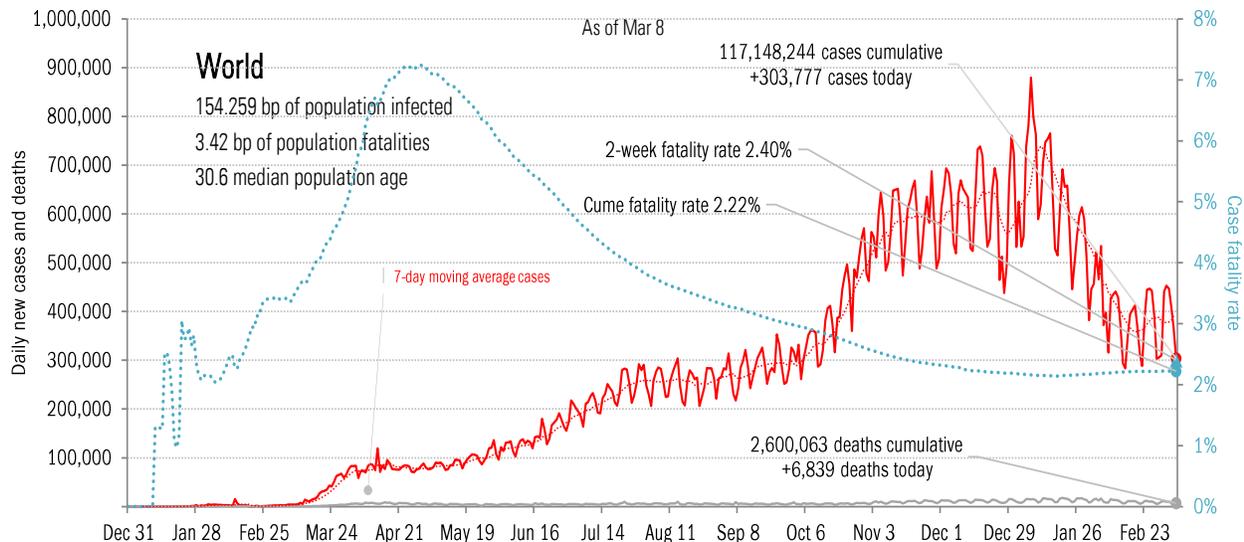
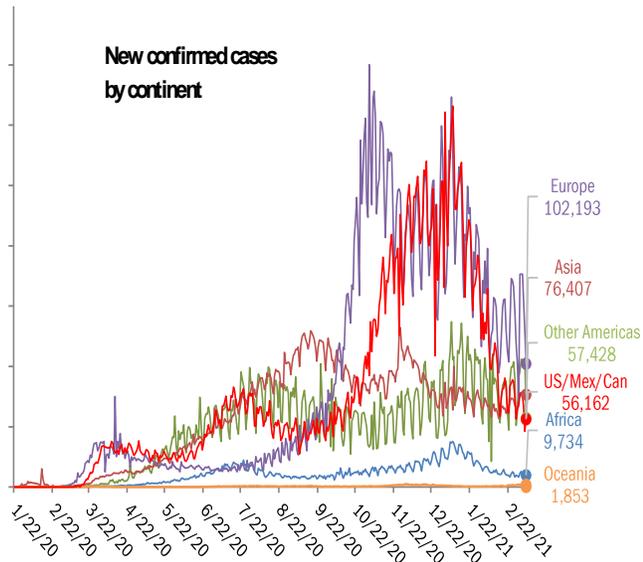
Tuesday, March 9, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+50,237	Brazil	+987
Brazil	+32,321	United States	+719
India	+15,388	Russia	+371
Italy	+13,882	France	+363
Turkey	+13,215	Mexico	+319
Spain	+11,958	Italy	+318
Russia	+10,145	Spain	+298
Iran	+8,313	Indonesia	+281
Jordan	+7,413	Germany	+252
Indonesia	+6,894	Argentina	+241
+169,766		+4,149	
World	+303,777	World	+6,839
Top ten	56%	Top ten	61%

New confirmed cases by continent



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

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The US scorecard

The ten worst US states

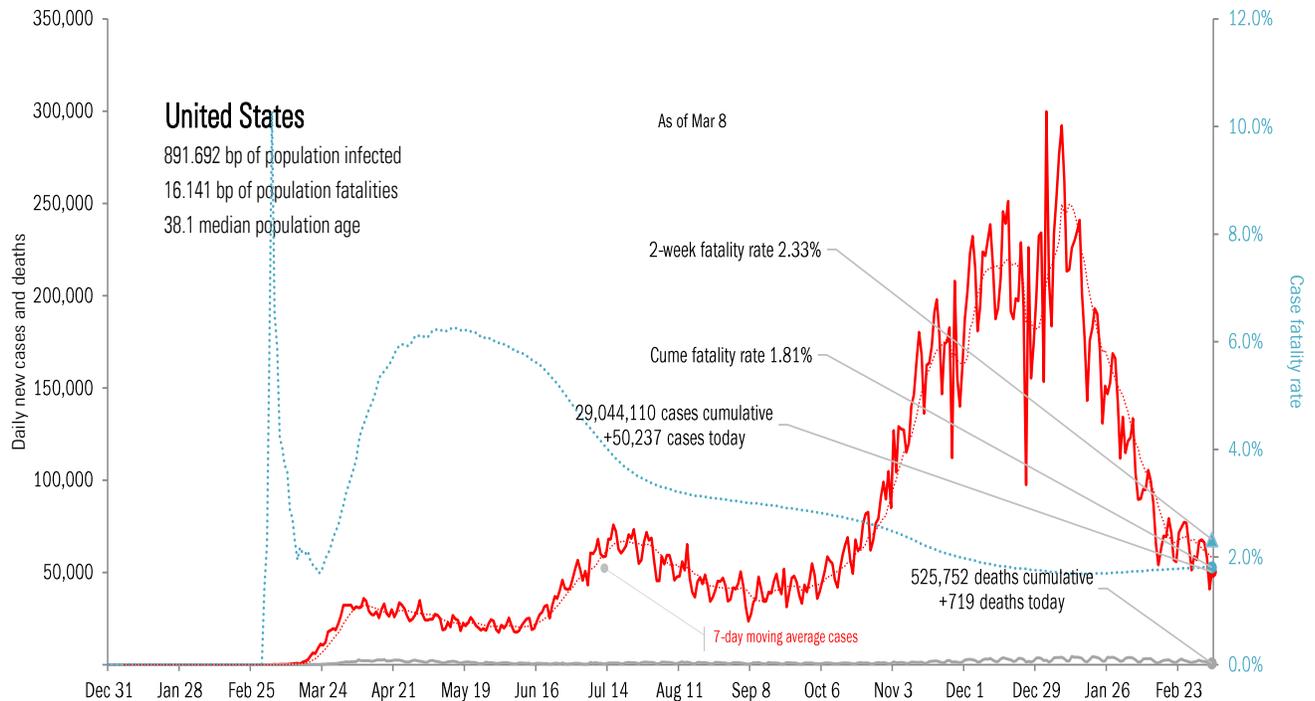
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MT	+5,524		CA	+96		FR	+800		CA	3,602,380		CA	54,316		TX	147,909		MO	91%	DE	83%
NY	+5,440		TX	+96		PA	+54		TX	2,699,083		NY	48,401		CA	133,336		RI	91%	RI	81%
TX	+3,525		VA	+87		VA	+47		FL	1,948,307		TX	45,411		IL	100,004		CT	79%	GA	81%
FL	+3,312		FL	+81		CH	+36		NY	1,700,091		FL	31,764		PA	98,006		MA	79%	TX	78%
CA	+3,130		NY	+66		MD	+21		IL	1,199,441		PA	24,344		FL	81,067		MD	78%	AL	78%
NC	+2,730		GA	+42		ME	+15		GA	1,024,931		NJ	23,590		CH	73,459		DC	77%	MO	77%
NJ	+2,307		NC	+33		CR	+14		CH	979,725		IL	23,021		NC	64,462		GA	75%	DC	77%
MI	+2,283		AR	+24		NE	+9		PA	952,818		GA	17,948		MD	62,414		PA	75%	FL	76%
CT	+2,066		WA	+22		NV	+8		NC	874,906		CH	17,501		NY	61,287		FL	75%	OK	76%
PA	+2,045		CT	+21		CO	+7		AZ	827,237		MI	16,662		VA	55,792		TX	74%	MD	74%
+32,362			+568			+1,011			15,808,919			302,958			877,736			All states 70%		68%	
All states +50,237			+719			+677			All states 29,044,110			525,752			1,629,742			All states 70%		68%	
Top ten 64%			79%			149%			Top ten 54%			58%			54%			Median 68%		66%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-2,218	SC	-29	IN	-57	TX	+10,856
TN	-858	MA	-25	NC	-48	PA	+2,500
FL	-786	LA	-22	WI	-46		
SC	-557	NY	-22	FL	-43		
AZ	-552	PA	-18	DC	-38		

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

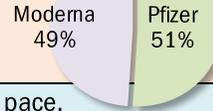


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

The CDC has changed its vaccination database structure. This page will update tomorrow.

Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
116.36 million doses distributed	+0.01 million/day	United States 9.2%
90.35 million doses administered	+2.44 million/day	United Kingdom 1.7%
58.87 million persons with one shot	+1.51 million/day	France 2.8%
30.69 million persons with two shots	+0.91 million/day	Spain 2.9%
7.39 million shots long-term care residents/staff	+0.04 million/day	Germany 2.9%
77.6% of distributed doses administered		Italy 2.7%
17.7% of US pop 1 shot		Australia 0.8%
9.2% 2 shots		Israel 43.8%
100% of LTC 1 shot		Canada 1.5%
		Japan 2.7%
		China 3.0%
		India 0.3%
		Brazil 1.3%



At today's dosing pace, every American will have two in **232 days** by Oct 25, 2021

US will achieve herd immunity in **101 days** by Jun 15, 2021

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

AK
58.3%
24.7%
15.6%

ME
37.5%
20.0%
10.1%

WI
33.1%
19.4%
10.8%

VT	NH
41.8%	36.5%
19.7%	20.5%
10.3%	8.6%

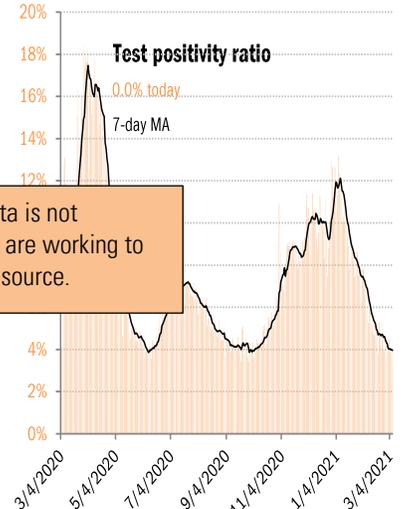
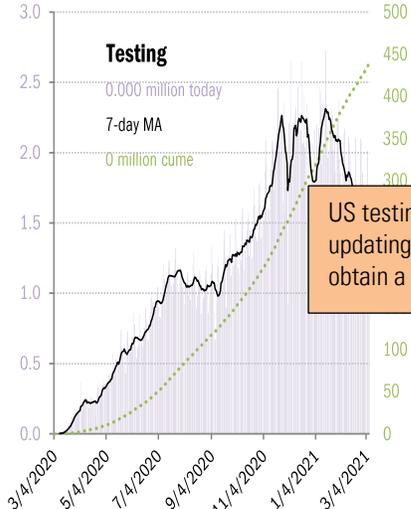
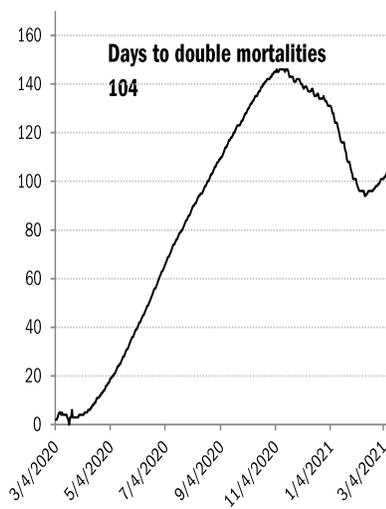
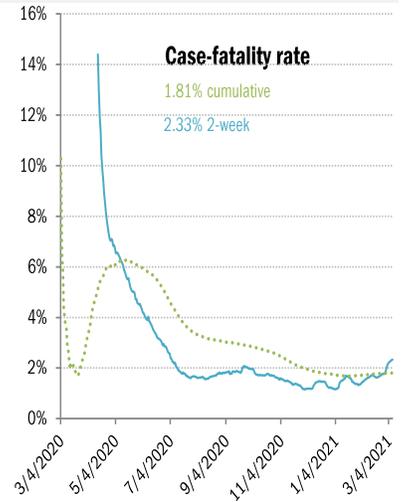
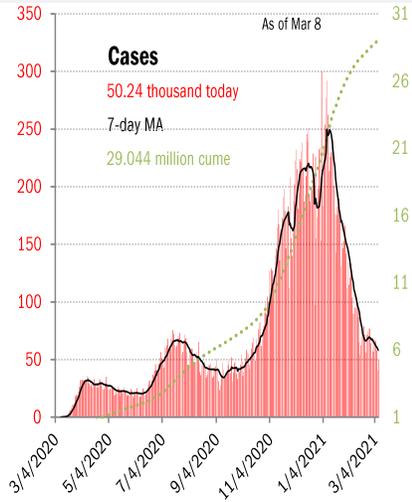
WA 34.9% 18.0% 10.0%	ID 33.2% 16.6% 9.3%	MT 38.5% 20.3% 11.2%	ND 39.4% 22.4% 11.9%	MN 34.6% 19.9% 10.0%	IL 34.6% 18.5% 8.8%	MI 33.7% 17.6% 9.8%	NY 36.0% 17.7% 8.7%	MA 36.2% 21.2% 9.6%		
OR 33.7% 17.6% 10.0%	NV 33.6% 17.1% 9.2%	WY 40.8% 19.2% 11.1%	SD 45.2% 23.9% 12.6%	IA 35.1% 20.0% 8.7%	IN 32.8% 16.8% 10.4%	OH 34.7% 17.1% 9.4%	PA 36.3% 17.8% 8.1%	NJ 34.6% 19.7% 9.9%	CT 40.2% 24.0% 9.1%	RI 36.6% 21.6% 8.6%
CA 35.1% 18.2% 8.5%	UT 31.0% 15.1% 6.6%	CO 35.1% 18.2% 9.9%	NE 36.8% 18.4% 10.0%	MO 33.1% 16.4% 8.6%	KY 34.8% 19.0% 9.6%	WV 40.4% 20.3% 12.8%	VA 33.8% 18.4% 10.1%	MD 35.0% 18.0% 10.0%	DE 37.2% 17.5% 10.1%	
AZ 36.0% 19.1% 9.8%	NM 43.0% 25.2% 14.1%	KS 37.5% 17.4% 8.8%	AR 36.1% 16.2% 9.1%	TN 33.8% 15.3% 8.3%	NC 34.6% 17.2% 9.4%	SC 31.9% 16.5% 9.5%	DC 47.8% 14.0% 7.1%			
OK 44.0% 20.3% 11.6%	LA 35.3% 16.0% 9.0%	MS 35.9% 16.8% 9.0%	AL 33.2% 14.8% 8.3%	GA 32.4% 13.2% 8.4%						
TX 31.9% 14.9% 8.1%	FL 36.2% 17.3% 9.5%	PR 39.2% 12.5% 7.2%								

As of Mar 7

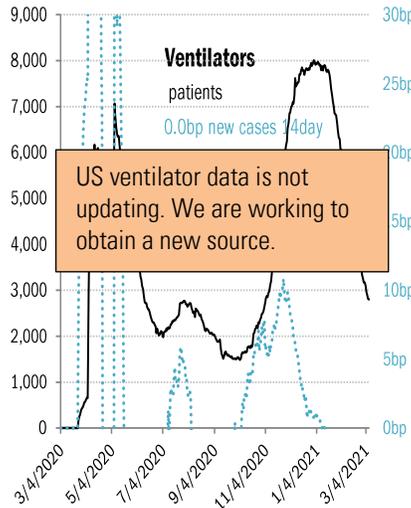
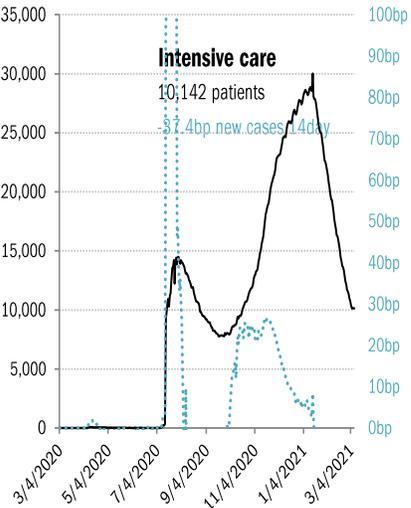
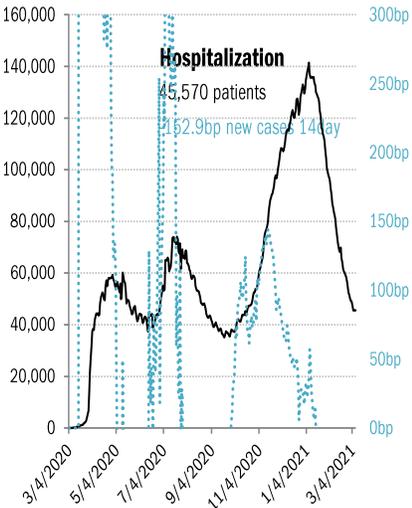
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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



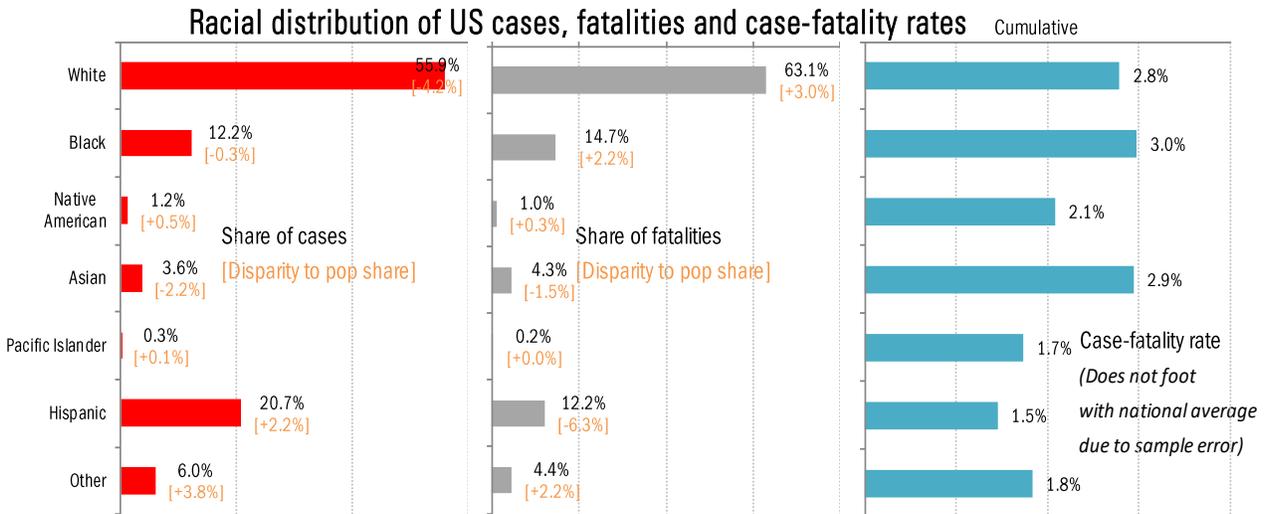
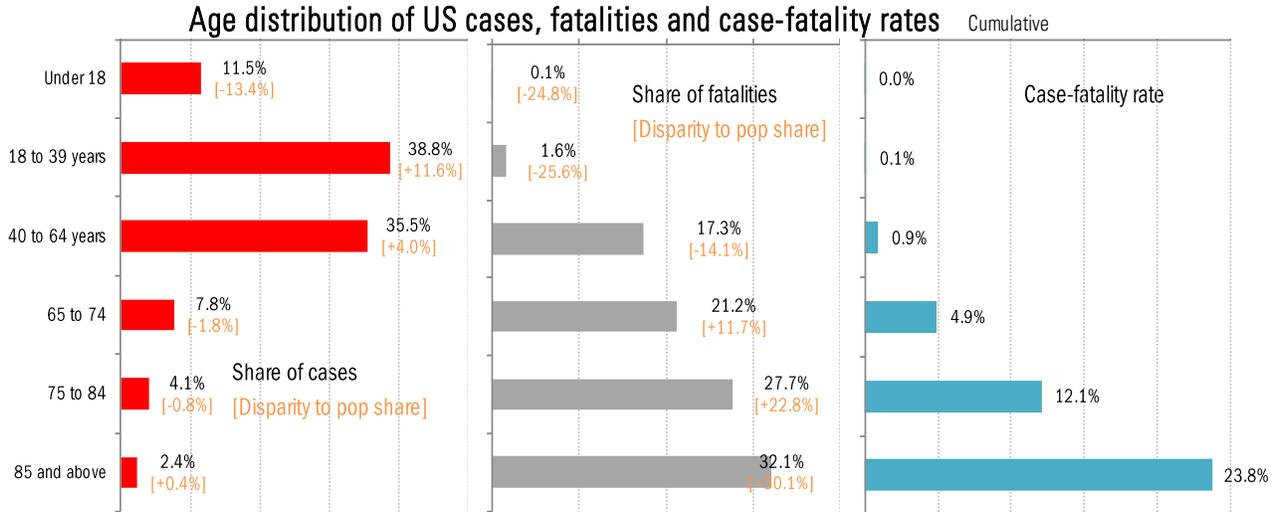
US testing data is not updating. We are working to obtain a new source.



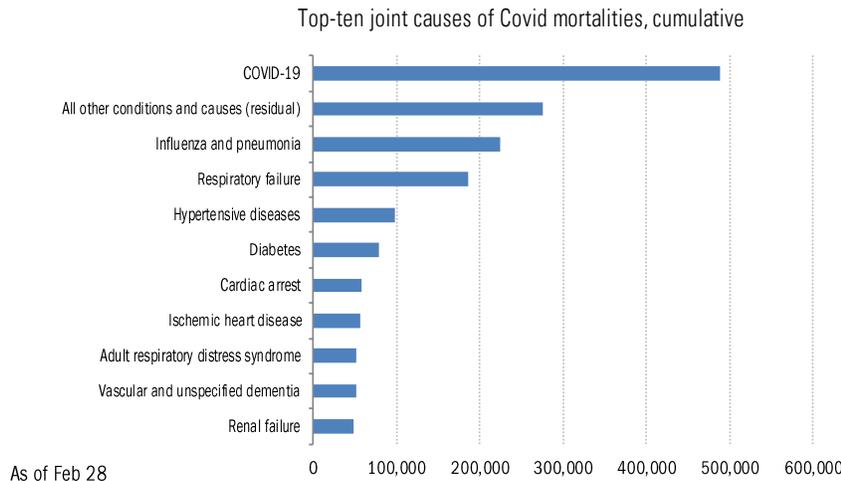
US ventilator data is not updating. We are working to obtain a new source.

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

[In 2018, Diplomats Warned of Risky Coronavirus Experiments in a Wuhan Lab. No One Listened.](#)

Josh Rogan
Politico
March 8, 2021

[Many 'Long Covid' Patients Had No Symptoms From Their Initial Infection](#)

Pam Belluck
New York Times
March 8, 2021

[One Shot Is Better Than None](#)

Roger Marshall
Wall Street Journal
March 8, 2021

[WHO Investigators to Scrap Plans for Interim Report on Probe of Covid-19 Origins](#)

Betsy McKay, Drew Hinshaw and Jeremy Page
Wall Street Journal
March 5, 2021

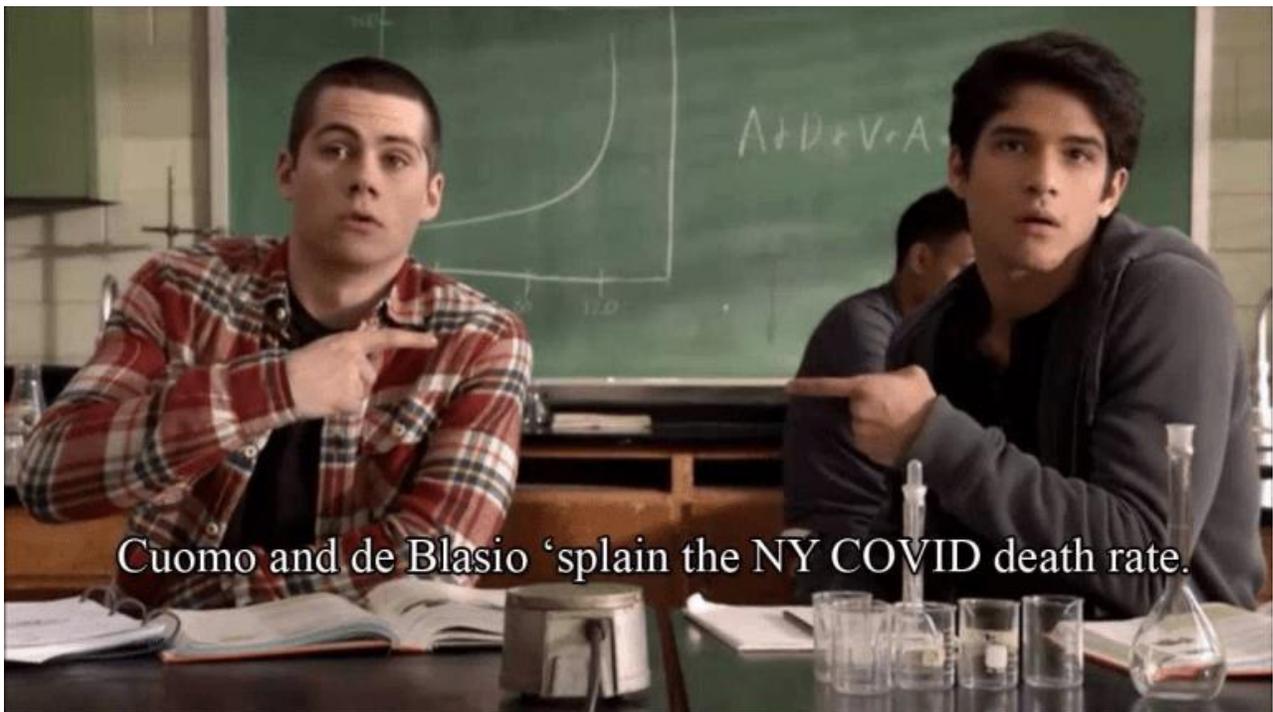
[Los Angeles Schools Remain Closed and Families Wonder: How Much Longer?](#)

Shawn Hubler
New York Times
March 8, 2021

[Self-reported real-world safety and reactogenicity of COVID-19 vaccines: An international vaccine-recipient survey.](#)

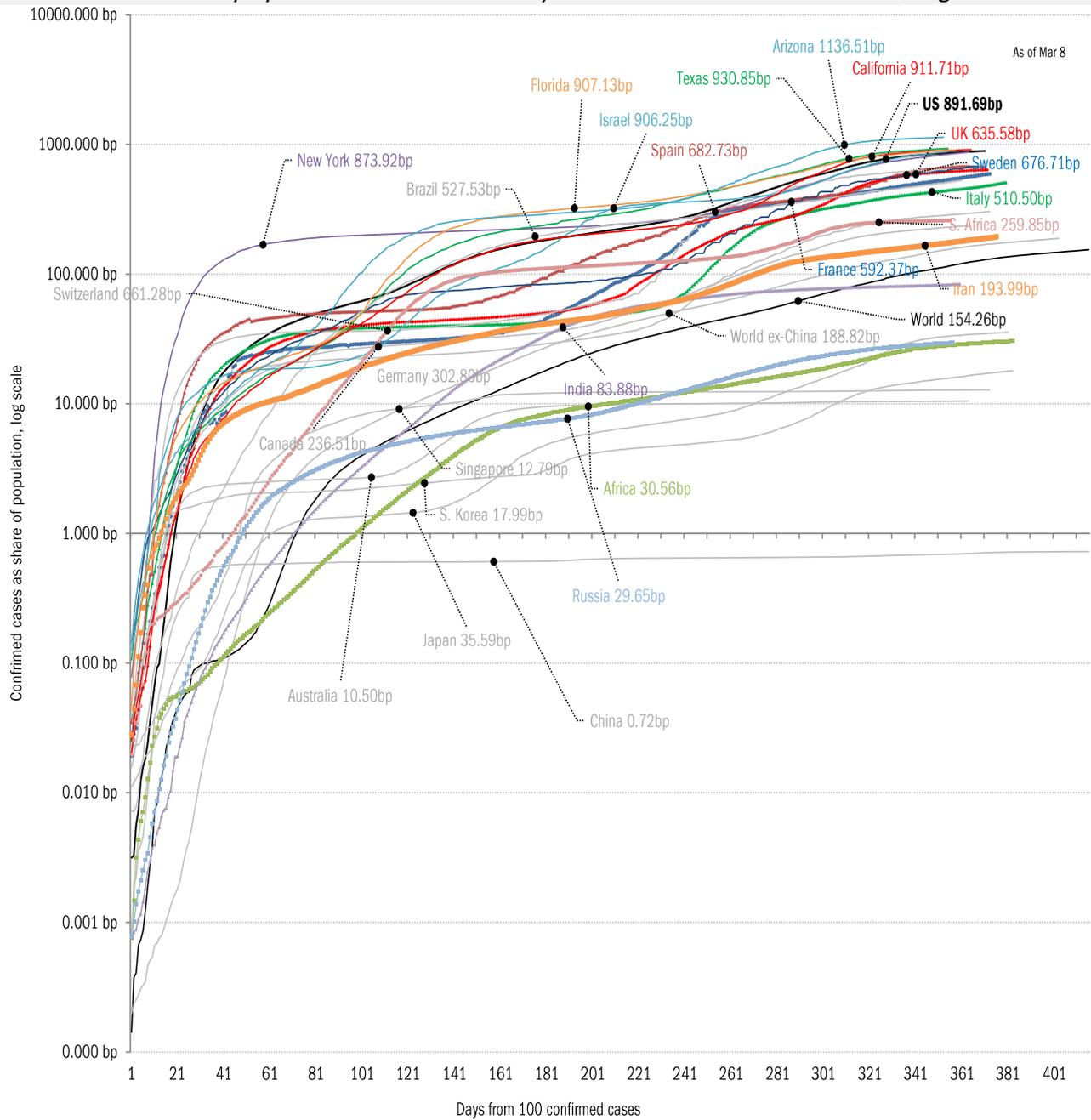
Alexander G. Mathioudakis et al.
medRxiv
March 8, 2021

Meme of day



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

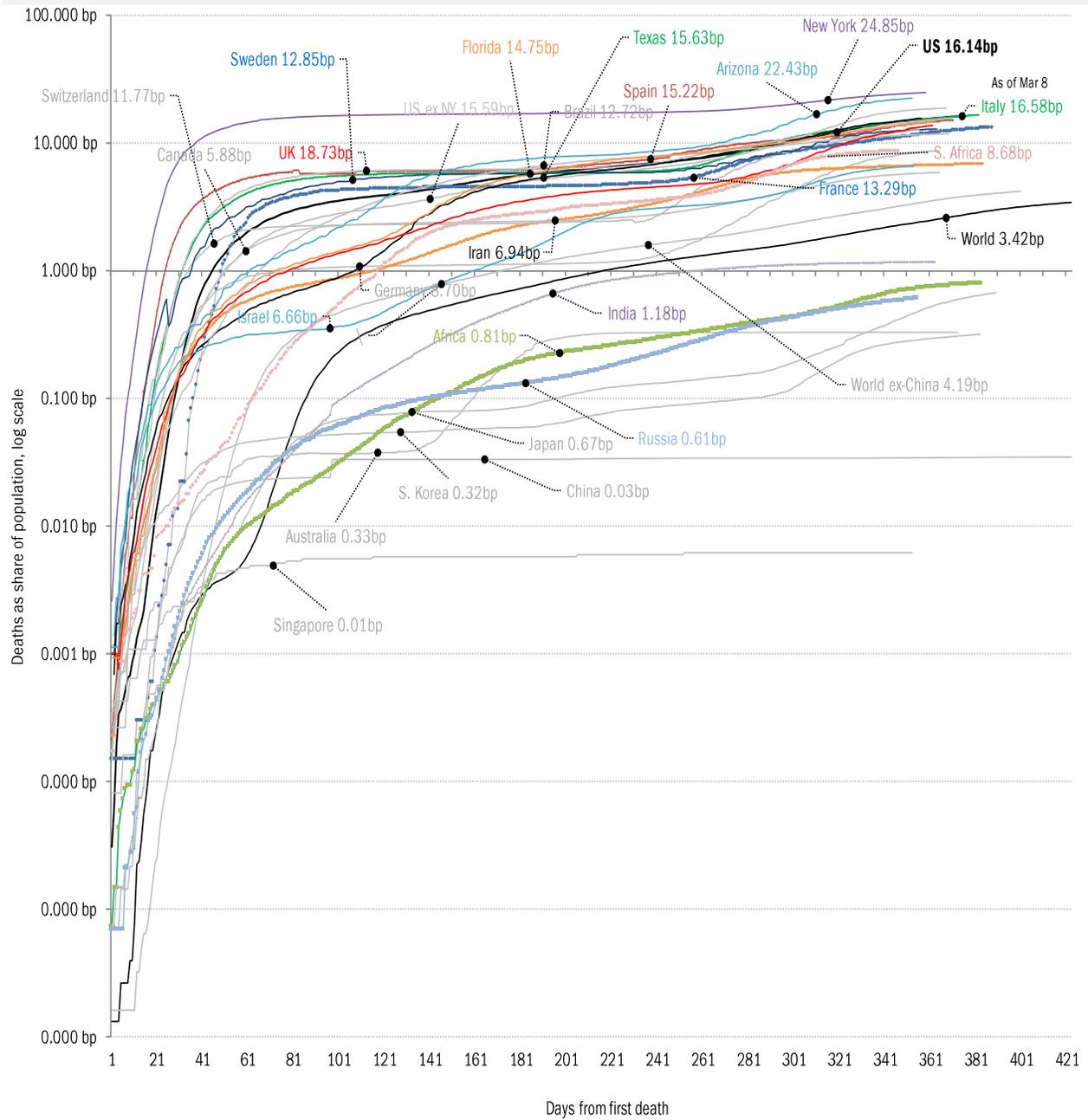
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

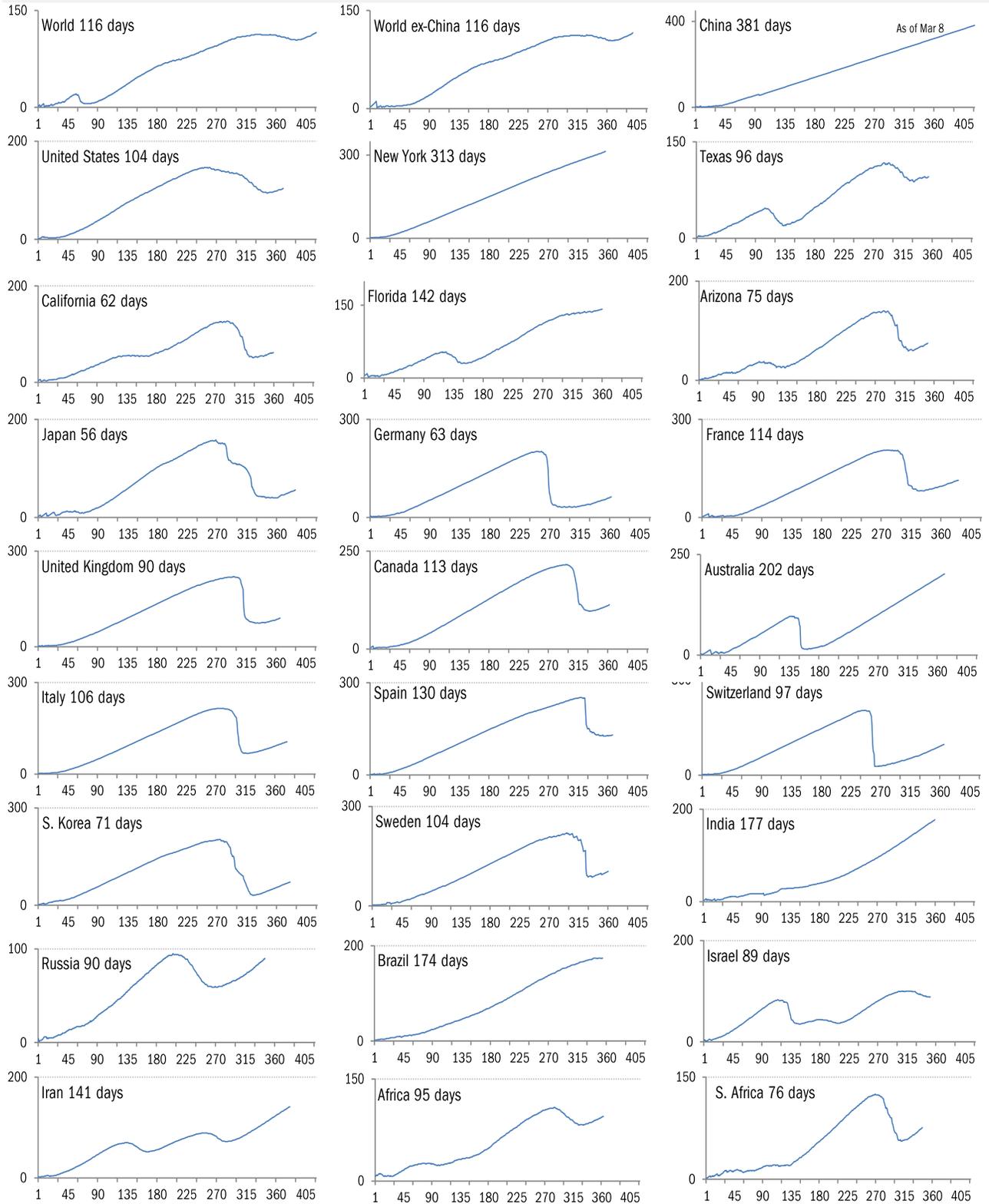


Source: [Johns Hopkins](#), TrendMacro calculations

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

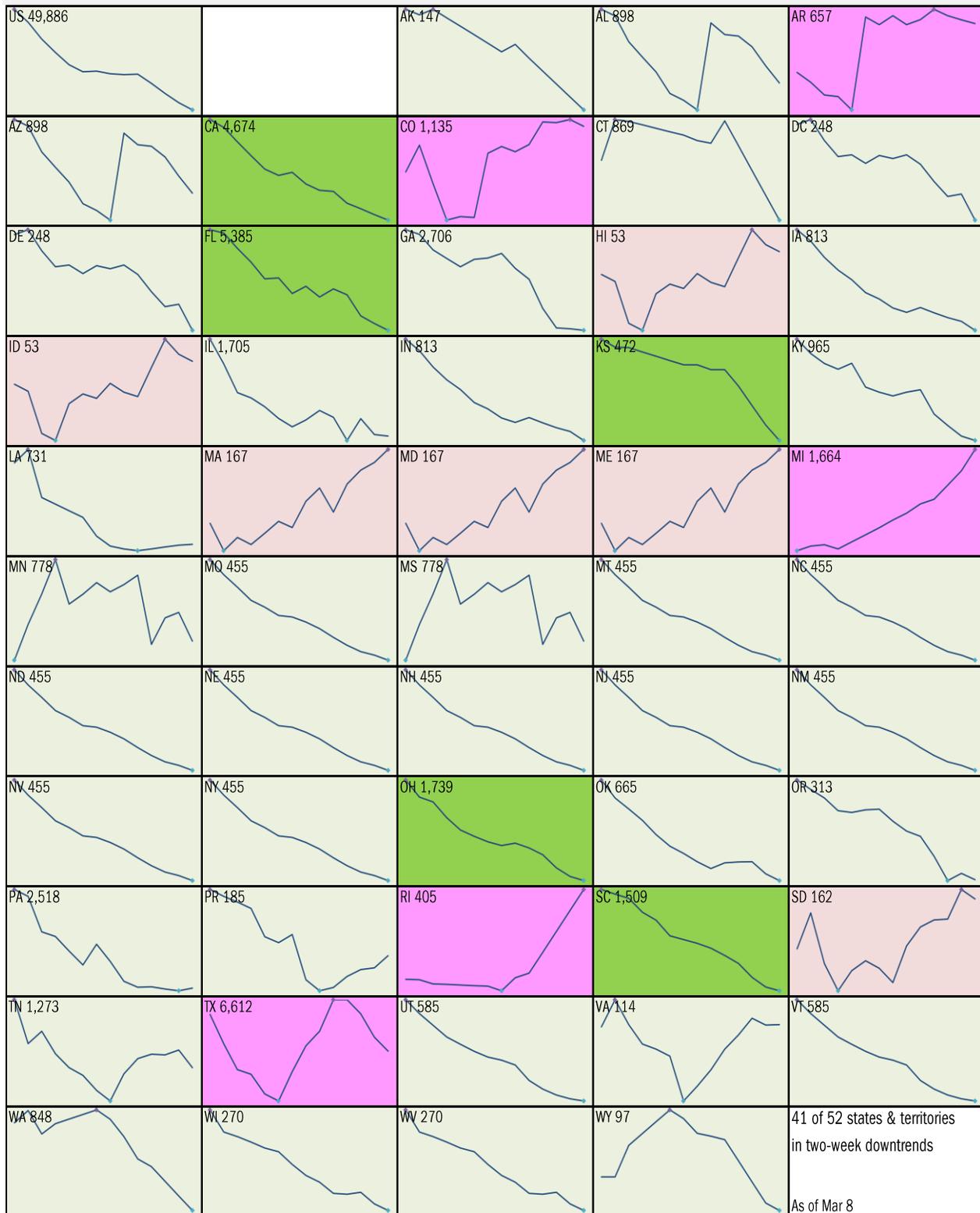


Source: [Johns Hopkins](#), TrendMacro calculations

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

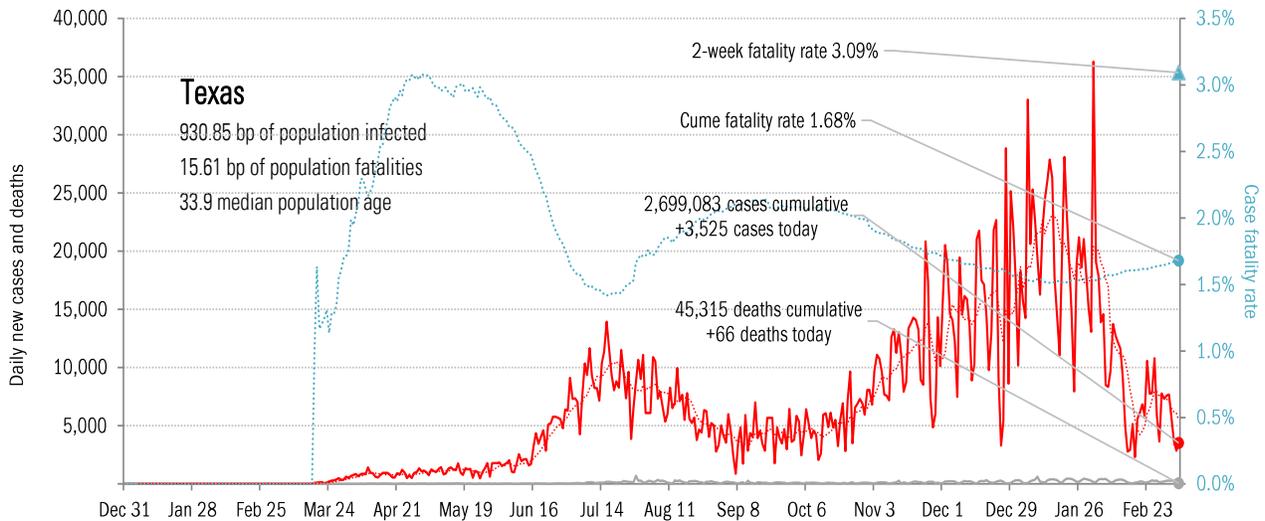
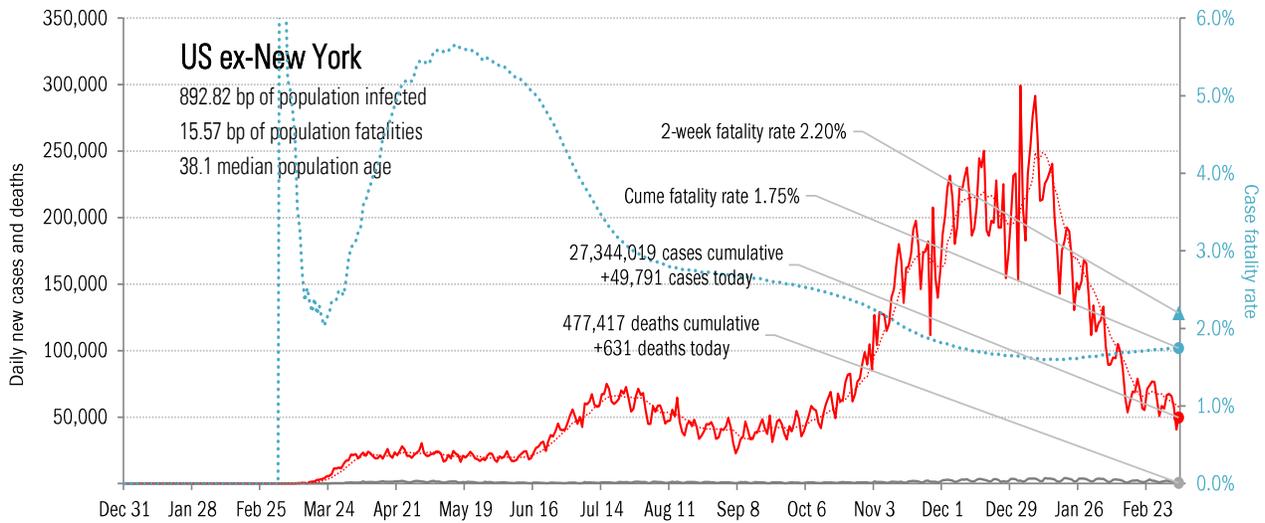
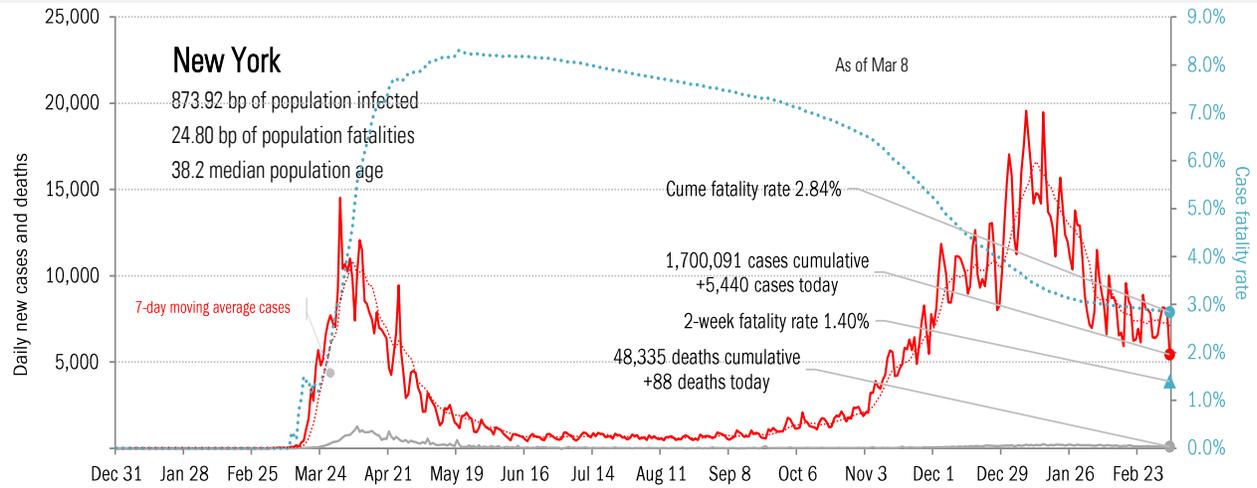
■ Downward trajectory
 ■ Five best
 ■ Upward trajectory
 ■ Five worst

● HIGH ● LOW



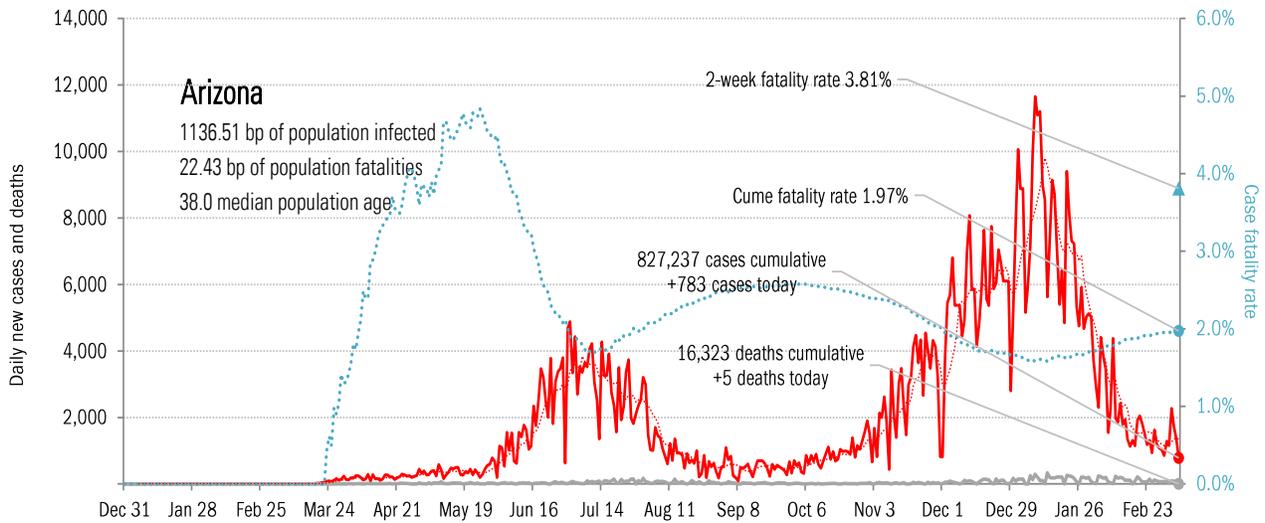
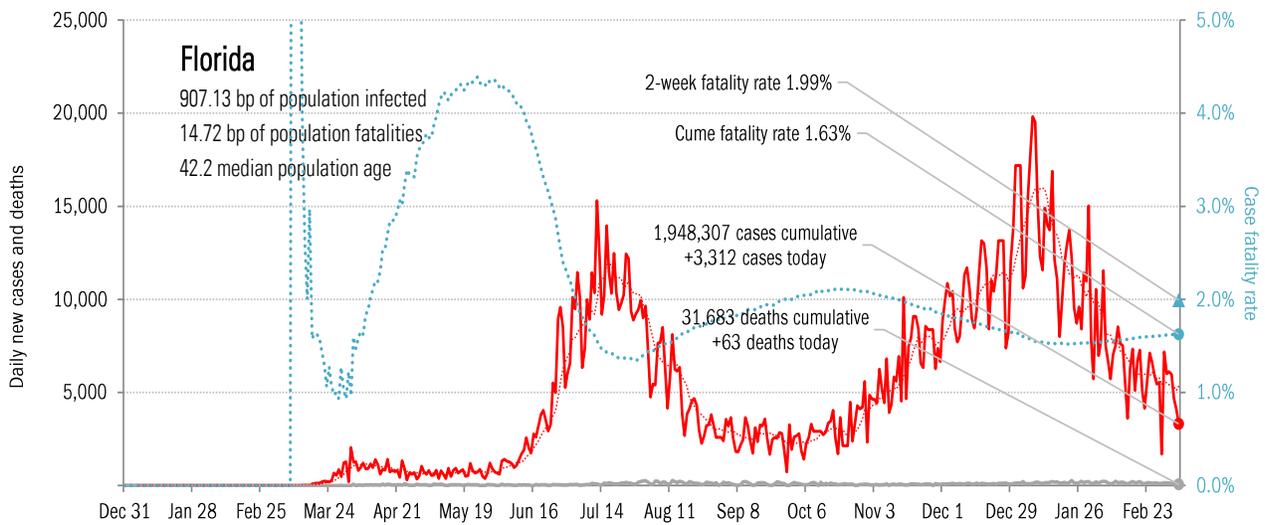
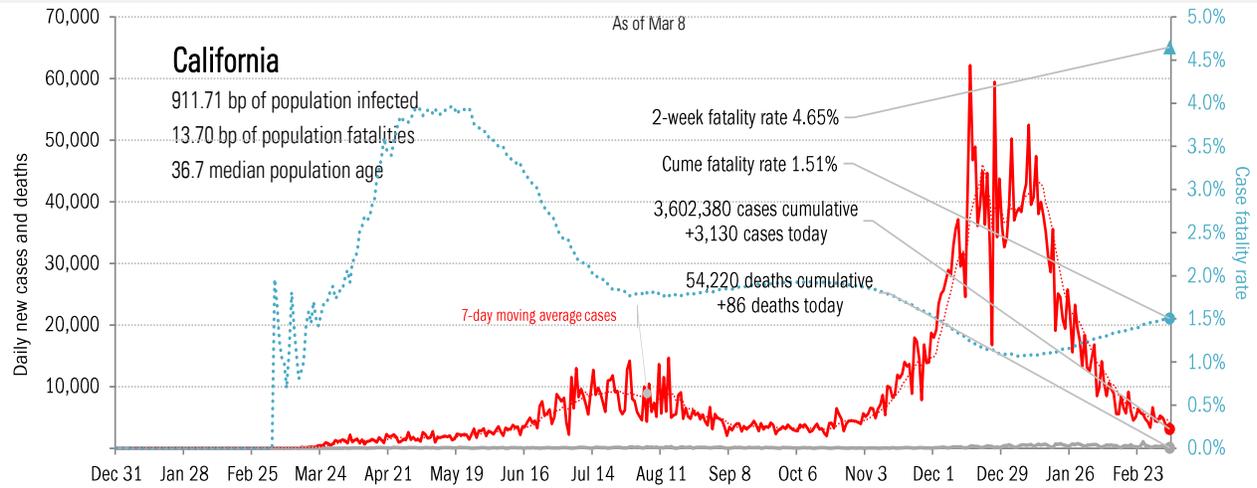
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



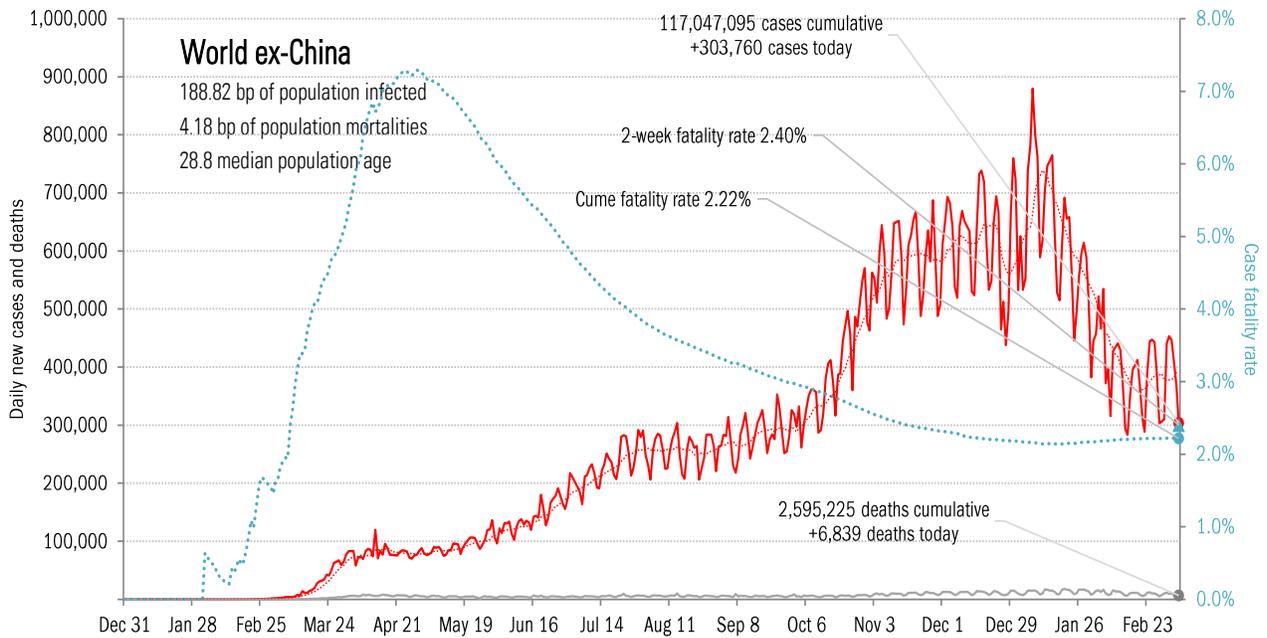
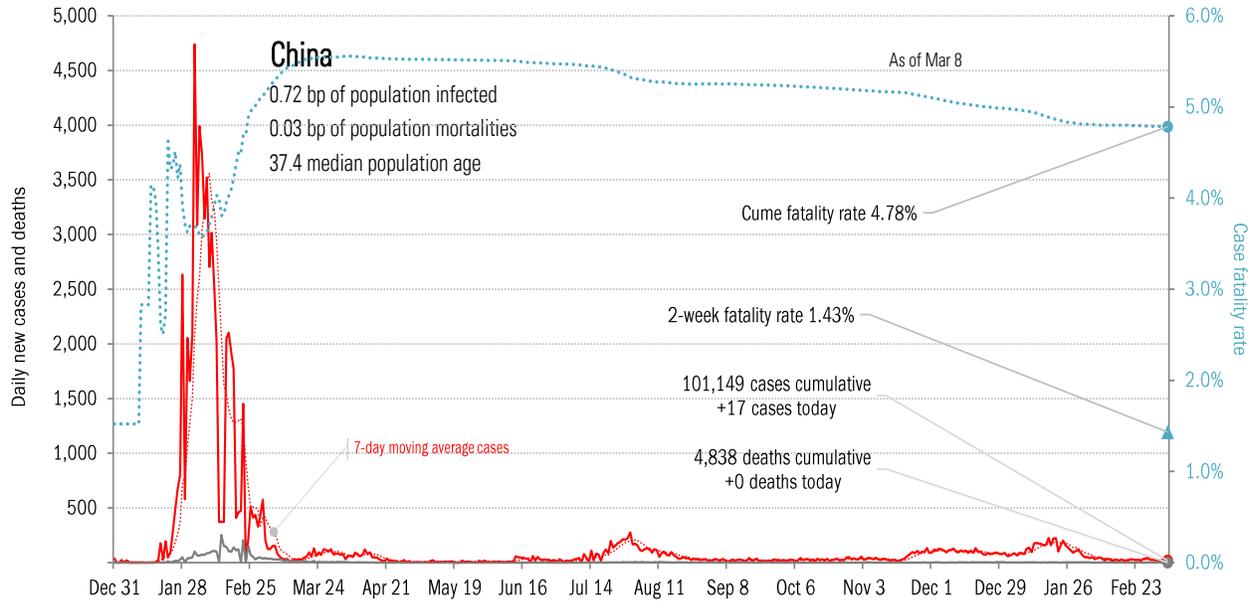
Source: [Johns Hopkins](#), TrendMacro calculations

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



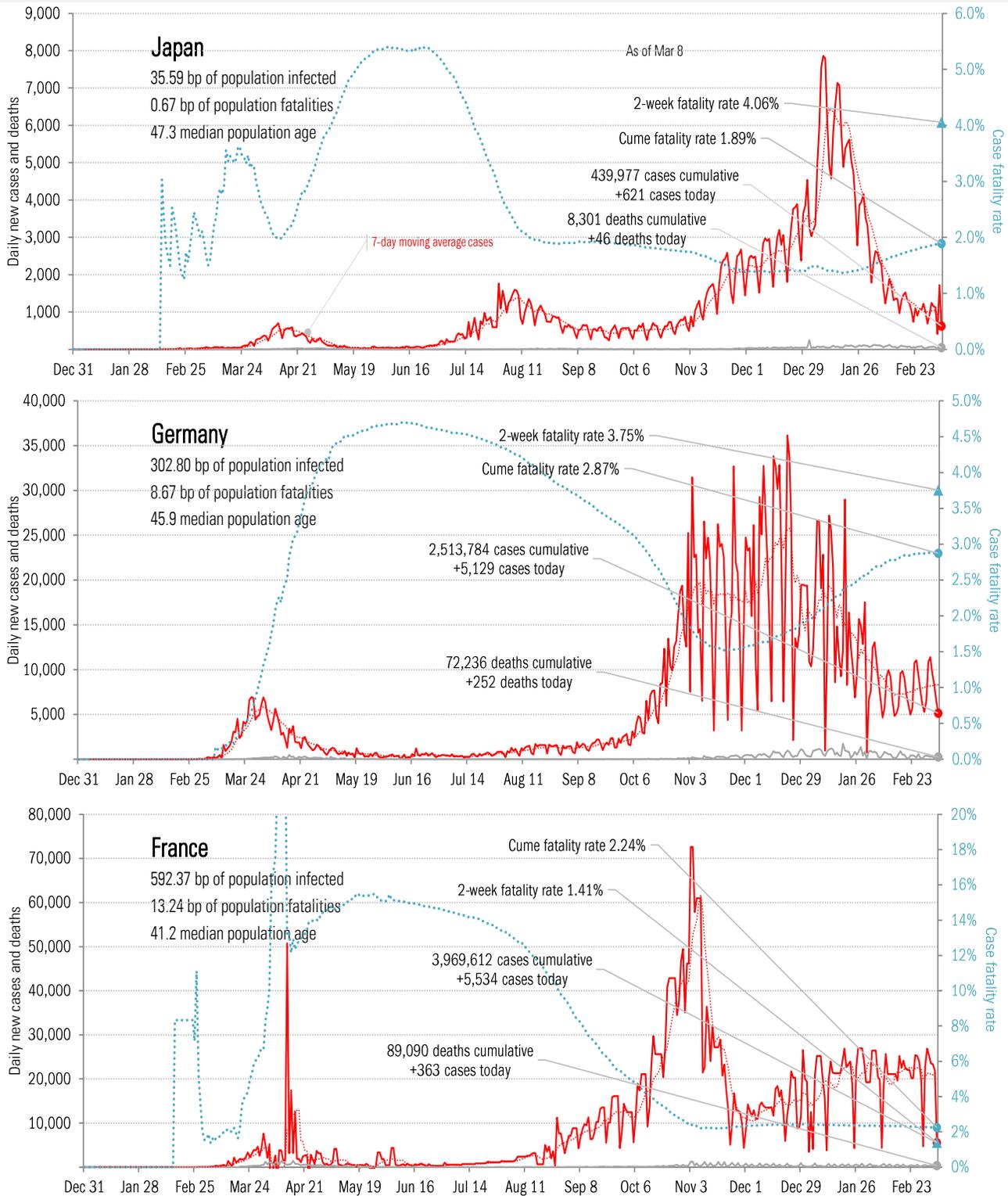
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



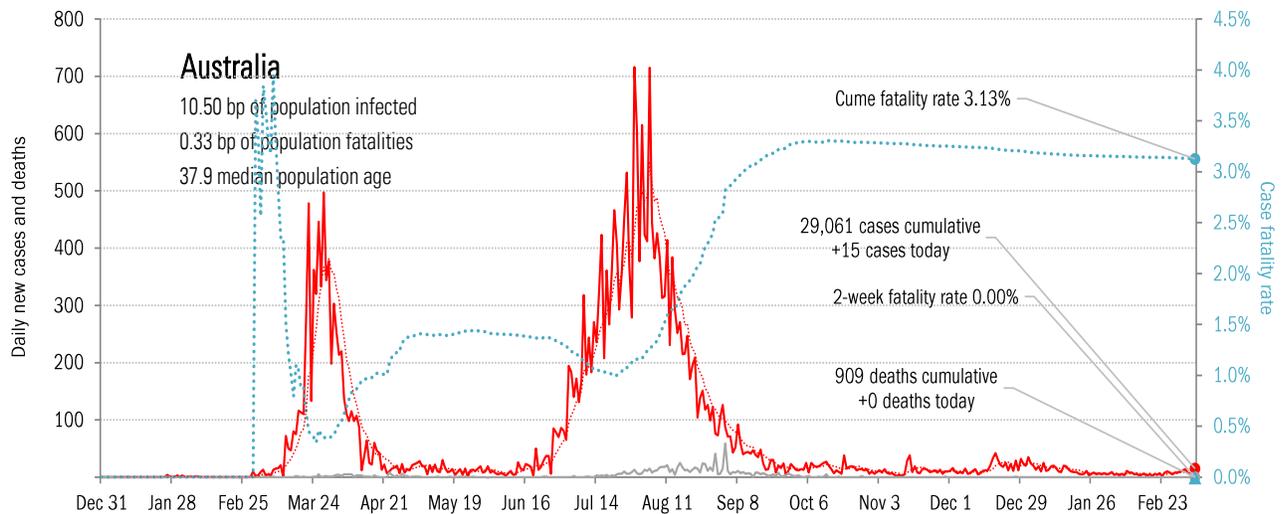
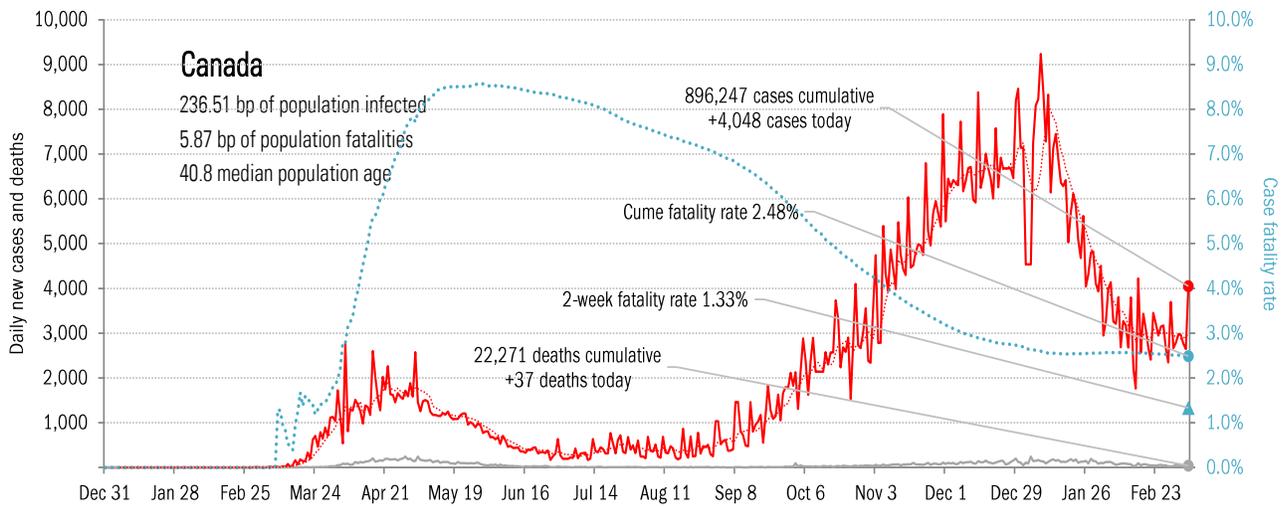
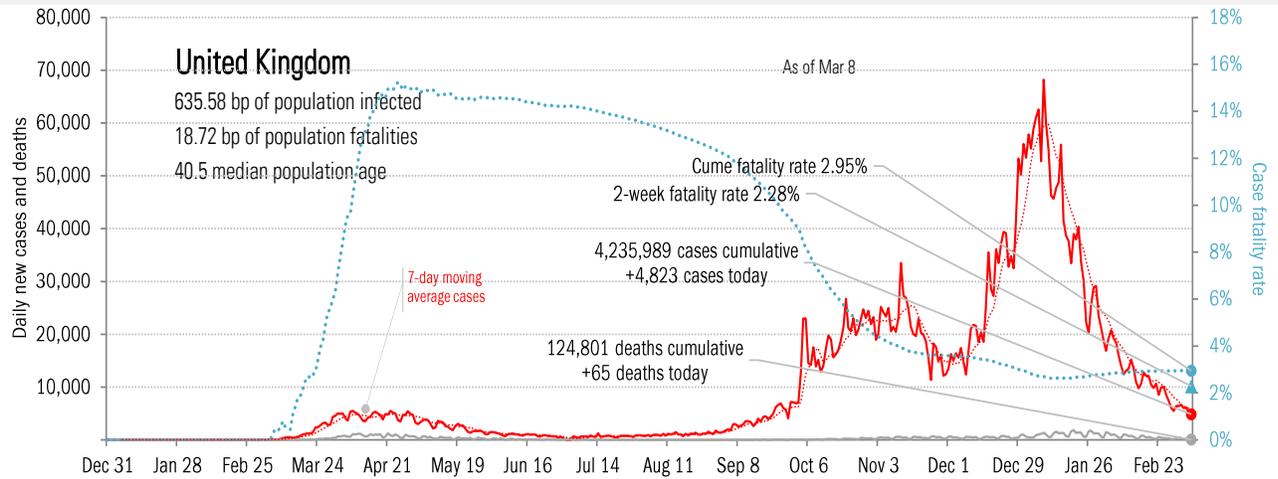
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



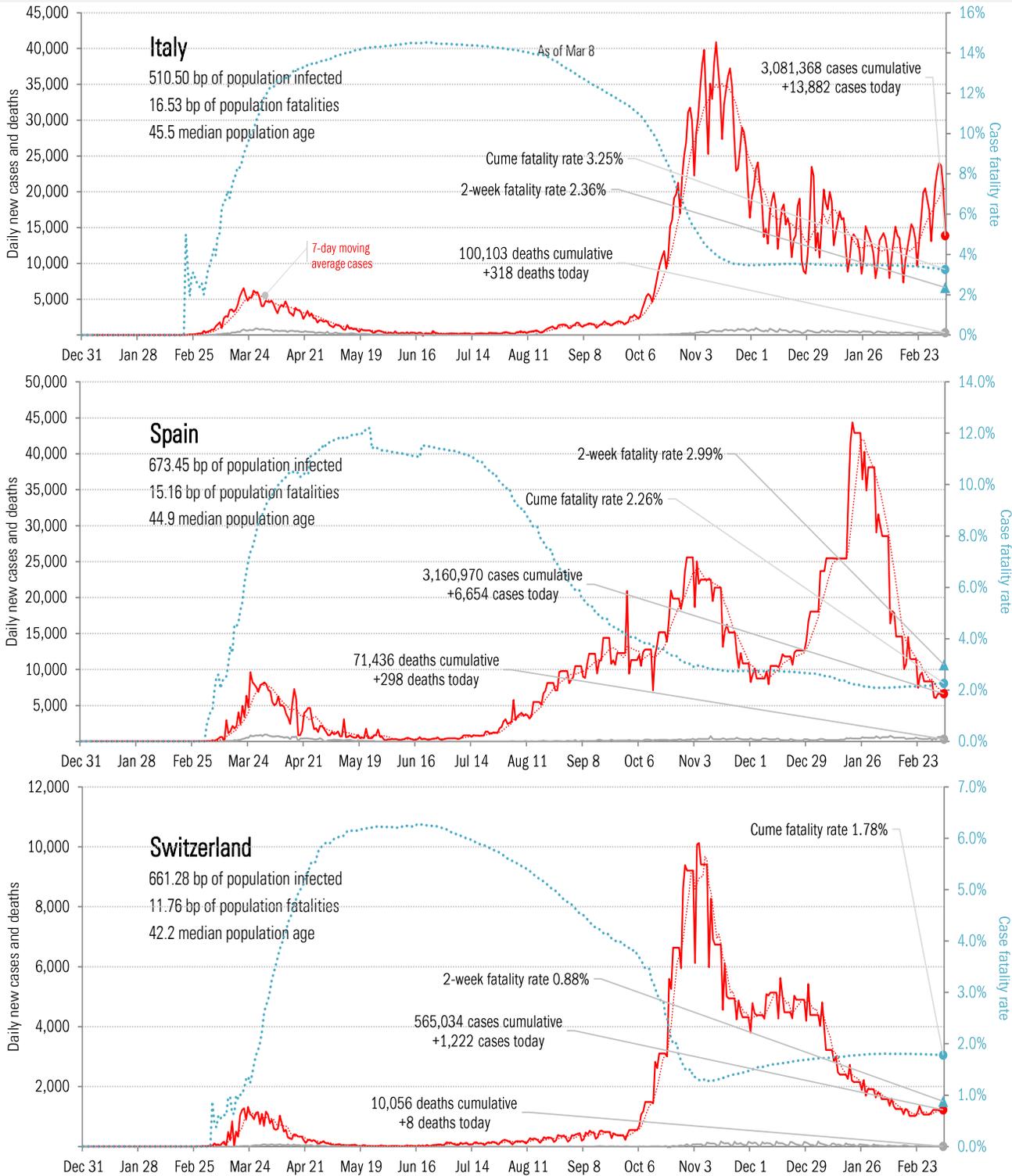
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



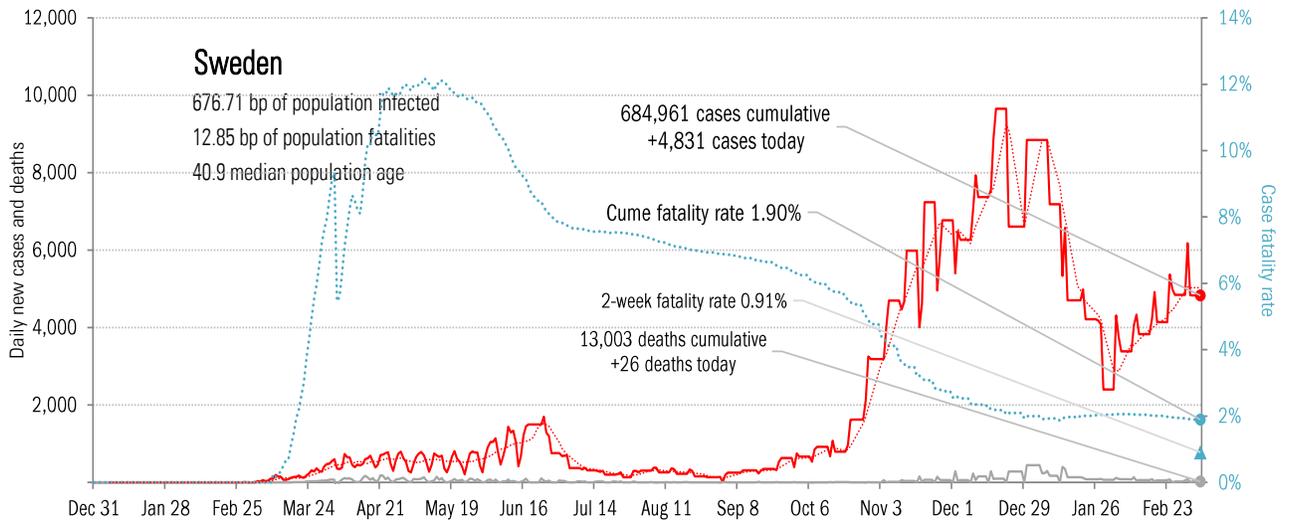
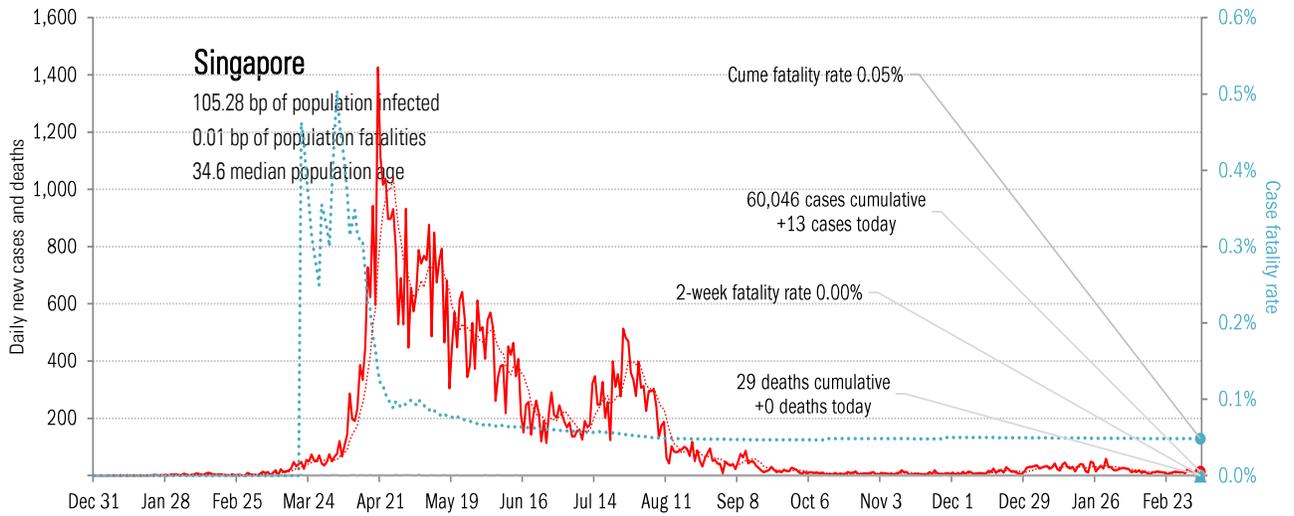
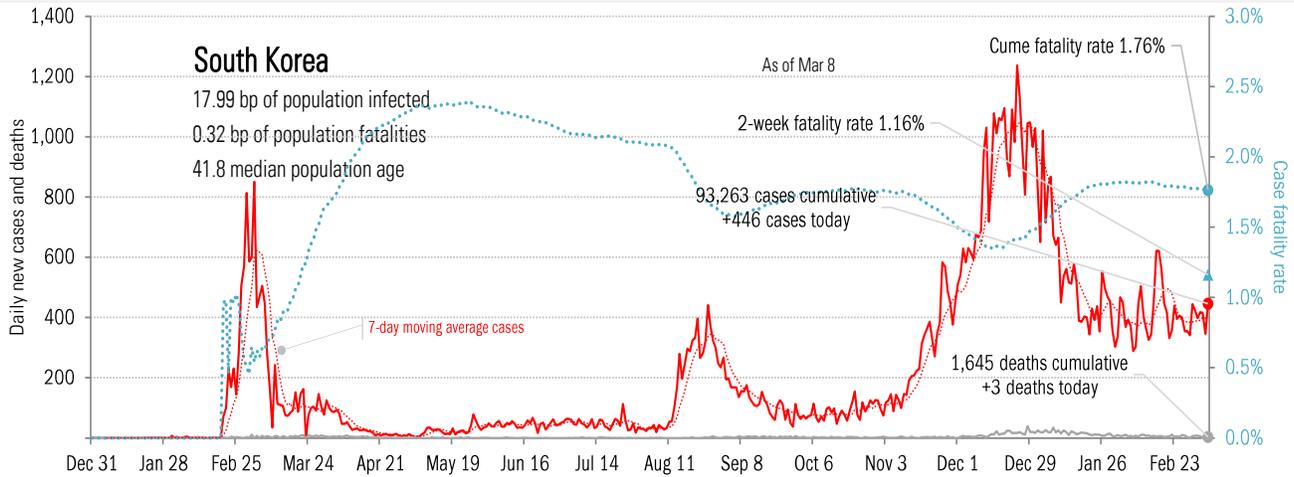
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



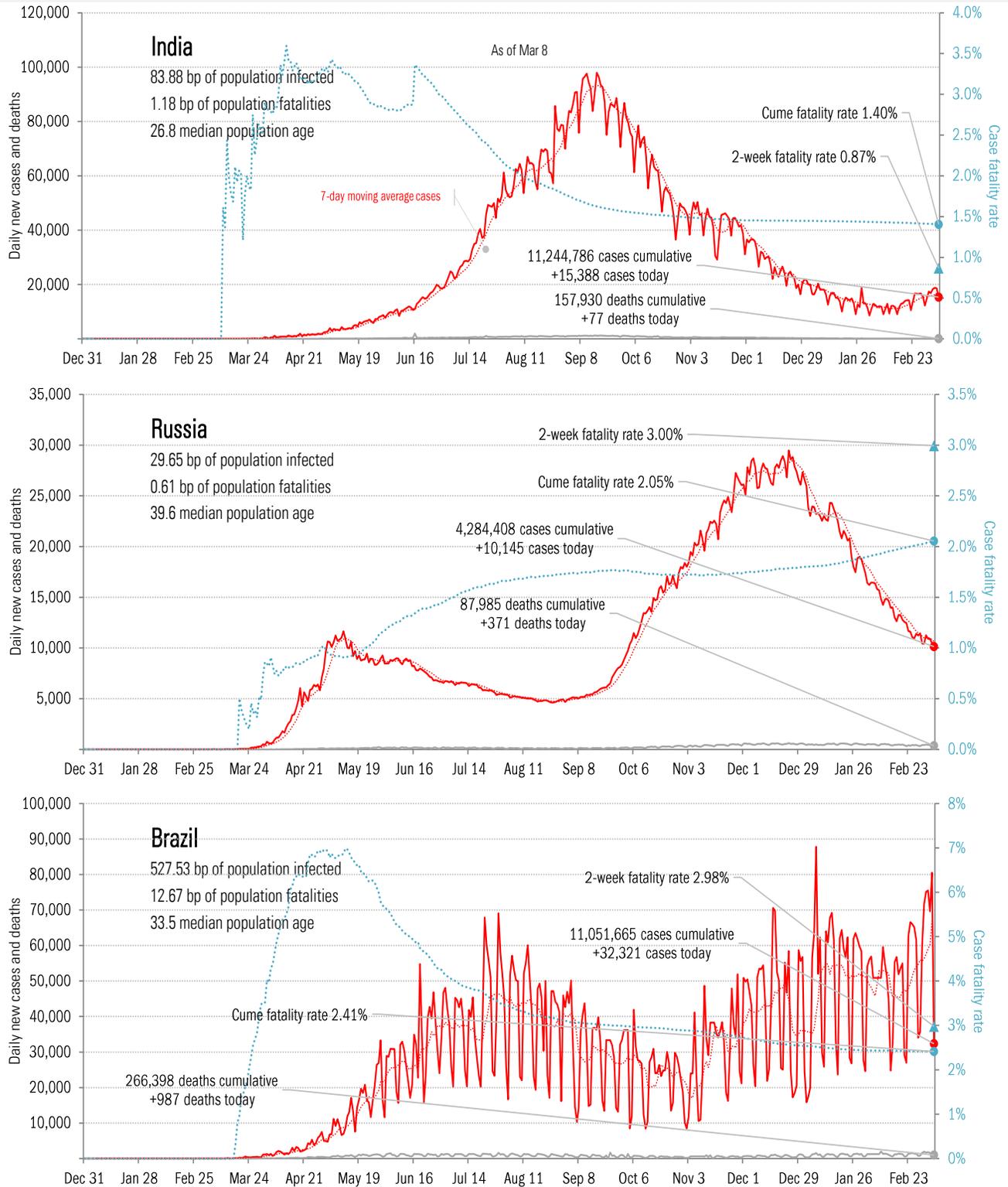
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



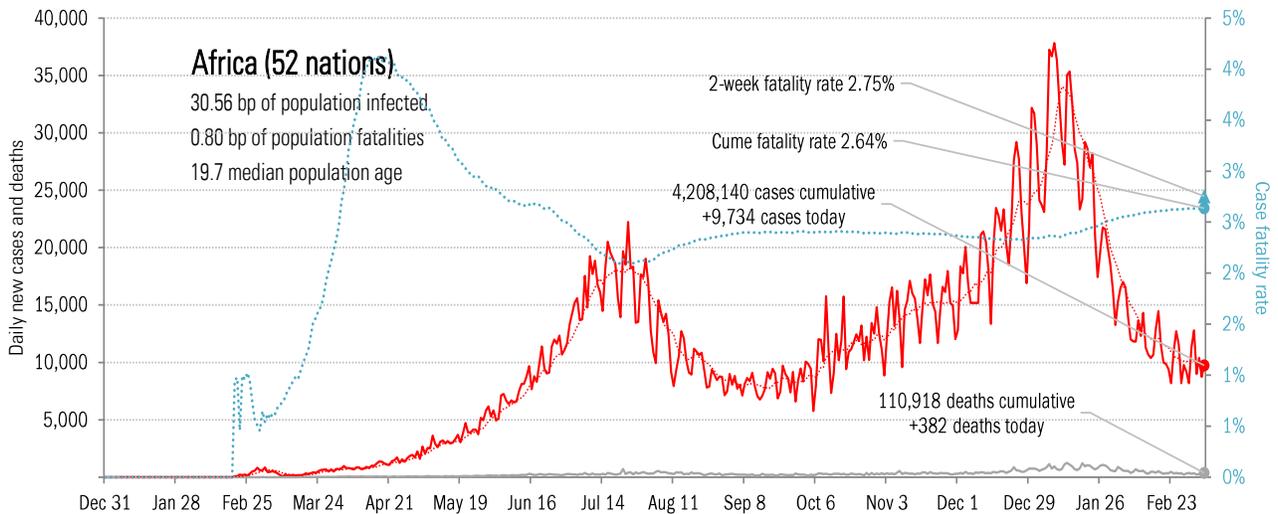
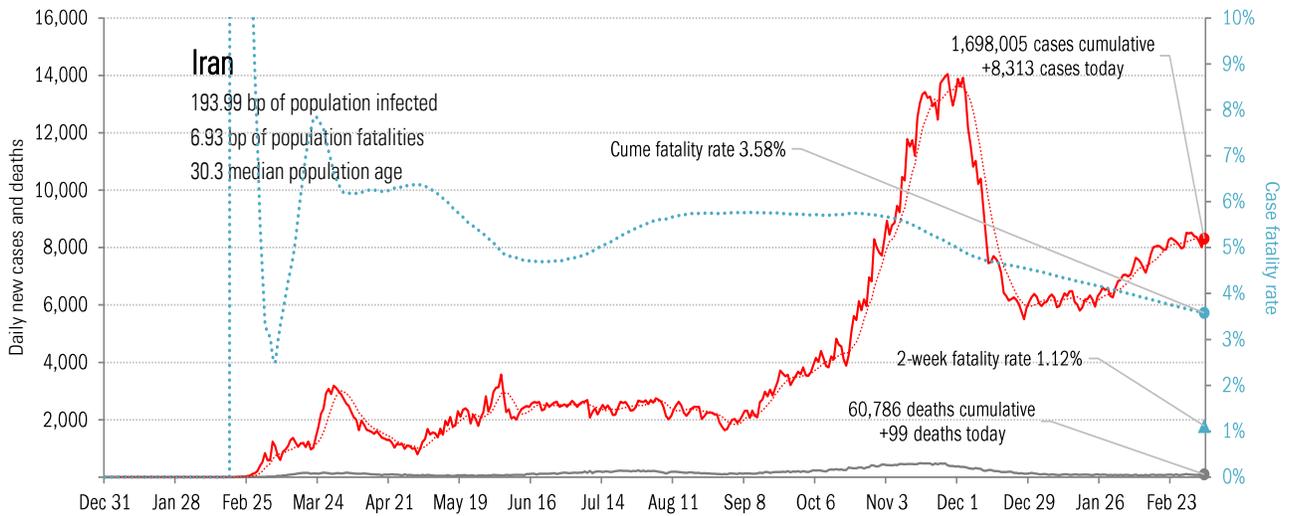
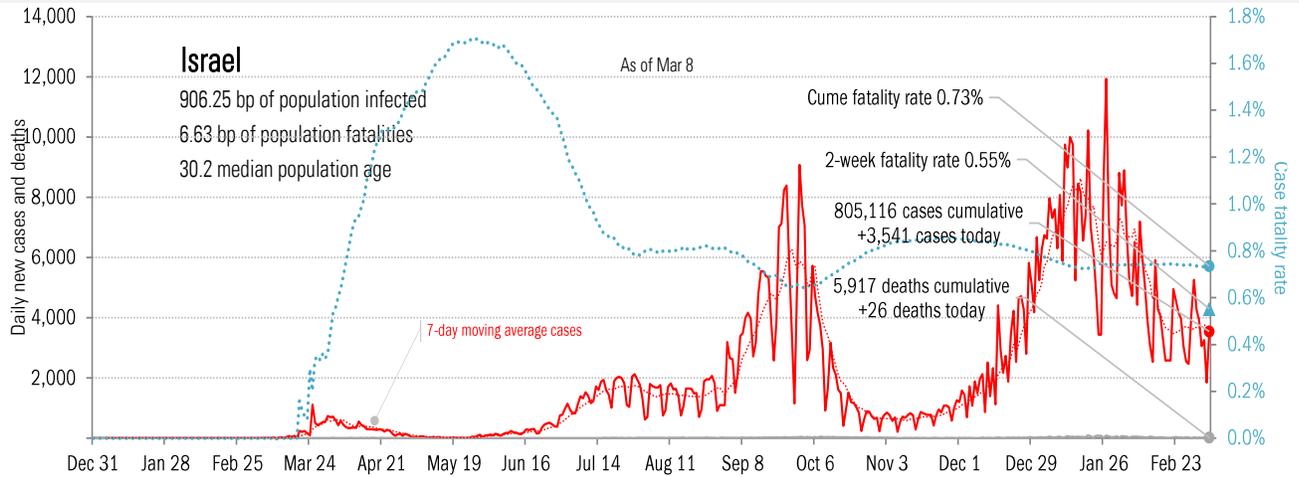
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



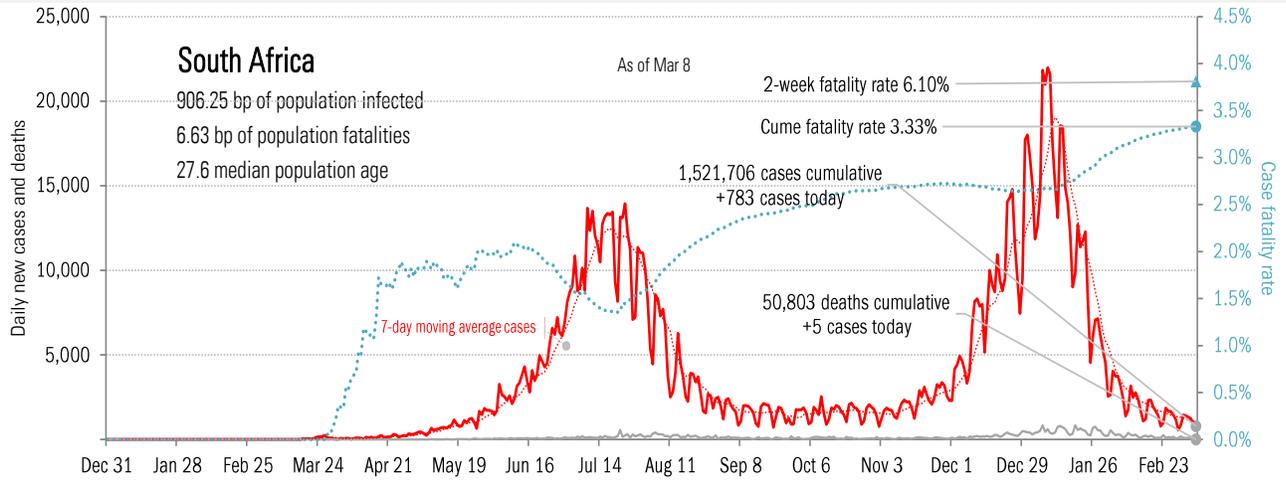
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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