

Data Insights: Covid-2019 Monitor

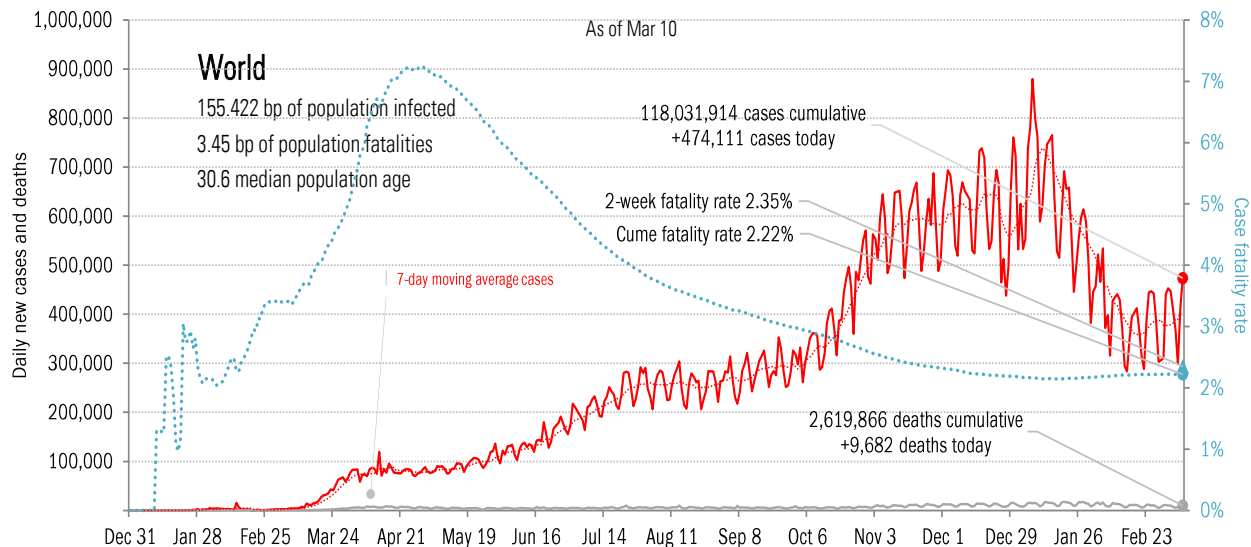
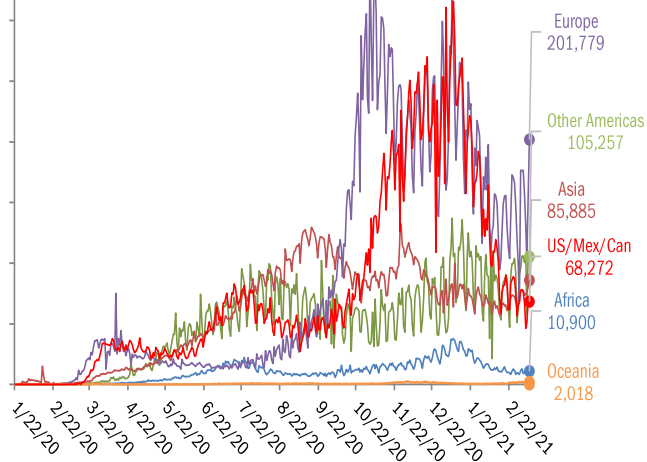
Thursday, March 11, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+79,876	Brazil	+2,286
United States	+58,611	United States	+1,564
France	+29,674	Mexico	+702
India	+22,854	Russia	+458
Italy	+22,275	Poland	+398
Germany	+21,163	Italy	+332
Poland	+17,277	Germany	+324
Czechia	+15,380	France	+252
Turkey	+14,556	Czechia	+238
Spain	+13,460	Spain	+234
+295,126		+6,788	
World	+474,111	World	+9,682
Top ten	62%	Top ten	70%

New confirmed cases by continent



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

The ten worst US states

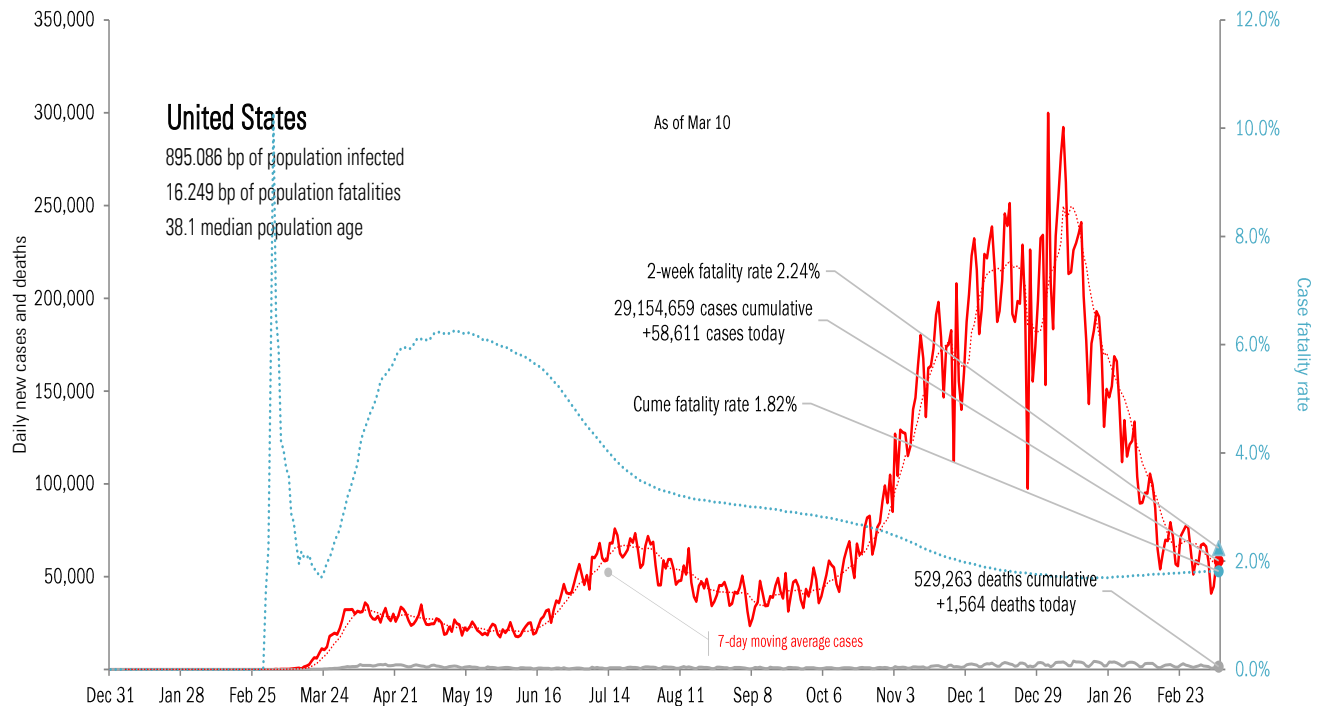
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	+6,106		CA	+262		FR	+208		CA	3,611,295		CA	54,890		TX	216,030		R	94%	DE	84%
TX	+5,566		TX	+214		GA	+69		TX	2,710,278		NY	48,573		CA	214,777		MA	79%	RI	83%
FL	+4,853		NJ	+133		KY	+29		FL	1,957,586		TX	45,796		FL	141,169		DC	78%	AL	82%
NJ	+3,775		NY	+92		CT	+11		NY	1,713,030		FL	31,948		NY	102,196		PA	78%	TX	80%
CA	+3,404		AZ	+78		KS	+10		IL	1,202,633		PA	24,427		GA	89,755		FL	78%	GA	79%
MI	+2,682		FL	+59		MA	+10		GA	1,028,432		NJ	23,768		CH	71,904		GA	77%	FL	78%
PA	+2,606		VA	+59		TX	+10		CH	983,486		IL	23,068		PA	68,399		MD	76%	DC	78%
CH	+1,868		GA	+58		IL	+9		PA	958,349		GA	18,036		KY	65,086		SC	76%	PA	77%
NC	+1,861		MA	+53		MI	+9		NC	877,764		CH	17,661		IL	64,955		VW	76%	MS	75%
GA	+1,740		LA	+43		ME	+5		AZ	828,630		MI	16,700		AZ	56,478		CT	75%	MA	73%
+34,461			+1,051			+370			15,871,483			304,867			1,090,749						
All states	+58,611		+1,564			-70			All states	29,154,659		529,263			1,942,877			All states	70%	69%	
Top ten	59%		67%			-529%			Top ten	54%		58%			56%			Median	69%	69%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-2,107	CK	-167	NY	-72	TX	+10,856
NY	-727	CH	-160	CH	-58	PA	+2,500
MN	-720	MN	-131	WA	-20		
FR	-496	MO	-86	ND	-15		
NJ	-351	FL	-66	MN	-13		

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

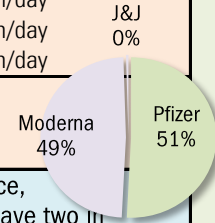


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
134.41 million doses distributed	+4.87 million/day	United States 9.8%
100.17 million doses administered	+2.12 million/day	United Kingdom 1.9%
65.09 million persons with one shot	+1.41 million/day	France 3.0%
34.39 million persons with two shots	+0.84 million/day	Spain 3.1%
7.45 million shots long-term care residents/staff	+0.03 million/day	Germany 3.2%
		Italy 3.0%
		Australia 0.8%
		Israel 46.2%
		Canada 1.6%
		Japan 0.0%
		China 6.6%
		India 0.3%
		Brazil 1.4%

74.5% of distributed doses administered
 19.5% of US pop 1 shot 10.3% 2 shots
 100% of LTC 1 shot 59.4% 2 shots



At today's dosing pace, every American will have two in
262 days
 by Nov 27, 2021
 US will achieve herd immunity in
111 days
 by Jun 28, 2021

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

AK
60.8%
25.7%
16.3%

ME
41.5%
22.1%
11.6%

WI
37.3%
20.1%
11.2%

VT
45.1%
21.3%
11.2%

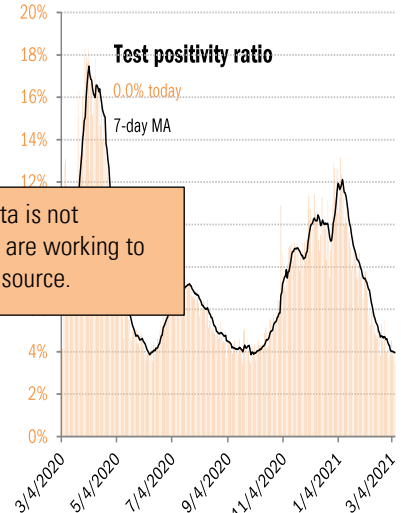
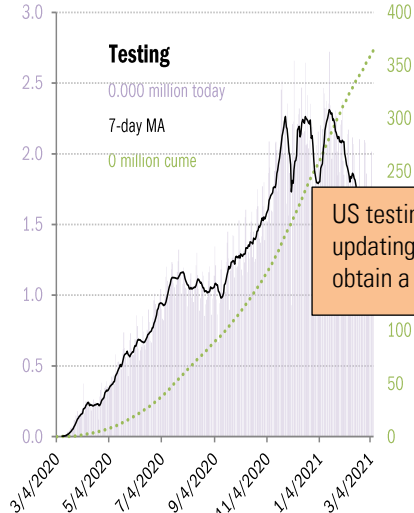
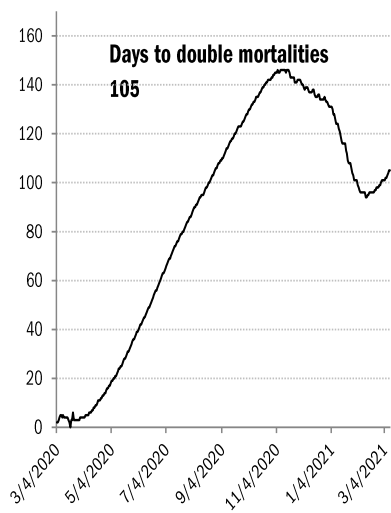
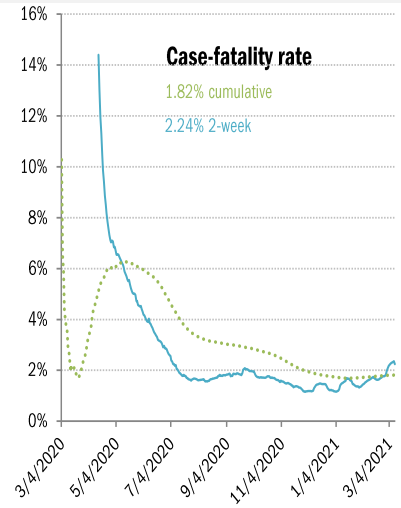
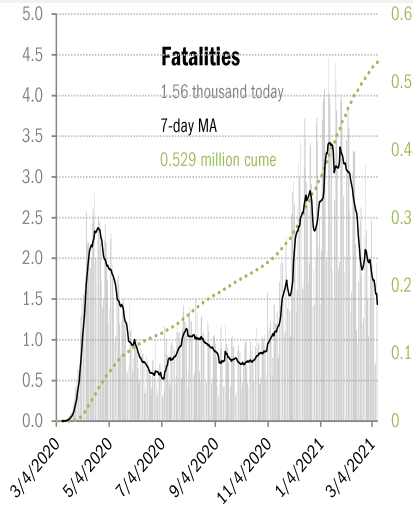
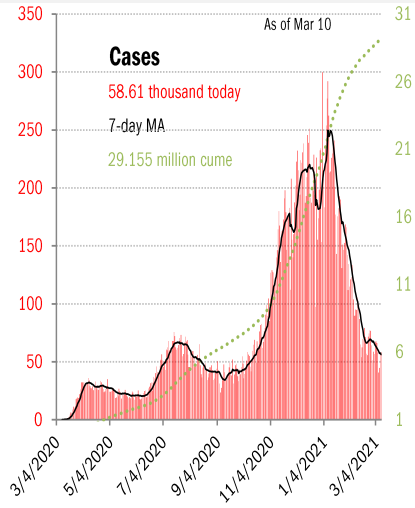
WA	ID	MT	ND	MN	IL	MI	NY	MA		
39.3%	35.1%	41.8%	42.2%	38.4%	38.4%	37.8%	39.6%	39.5%		
19.3%	17.3%	21.0%	23.0%	21.0%	19.4%	18.4%	19.4%	22.7%		
10.8%	10.2%	11.8%	12.3%	11.0%	9.5%	10.3%	9.5%	10.9%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
38.1%	36.9%	44.8%	48.0%	37.9%	36.7%	38.0%	38.8%	37.2%	43.7%	40.1%
18.6%	18.0%	20.2%	24.5%	21.0%	17.6%	18.0%	19.3%	21.1%	25.8%	23.2%
10.6%	9.9%	12.3%	13.1%	10.2%	11.1%	10.4%	9.1%	10.7%	9.9%	9.2%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
38.7%	34.0%	38.4%	40.1%	35.8%	38.3%	43.5%	36.8%	38.4%	40.9%	
19.0%	16.5%	18.9%	20.5%	17.3%	19.9%	20.7%	19.7%	19.4%	17.9%	
8.8%	7.6%	10.6%	11.1%	9.2%	10.2%	13.0%	11.1%	11.0%	10.7%	
AZ	NM	KS	AR	TN	NC	SC	DC			
39.7%	47.1%	41.0%	38.5%	35.7%	37.8%	35.3%	50.8%			
20.1%	26.1%	18.3%	17.0%	16.0%	18.2%	17.5%	14.9%			
10.5%	14.6%	9.4%	9.5%	8.7%	9.9%	10.0%	7.8%			
OK	LA	MS	AL	GA						
47.7%	38.4%	38.6%	36.2%	35.6%						
21.2%	17.8%	17.6%	15.7%	13.4%						
12.1%	10.2%	9.7%	8.9%	8.6%						
HI	TX	FL	PR							
45.7%	36.2%	39.7%	42.1%							
20.8%	16.3%	17.8%	13.4%							
13.0%	8.8%	9.8%	7.8%							

As of Mar 10

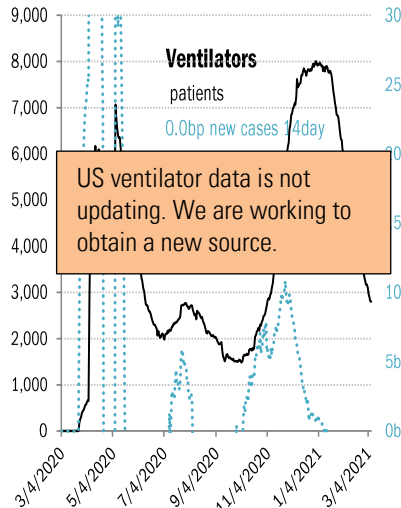
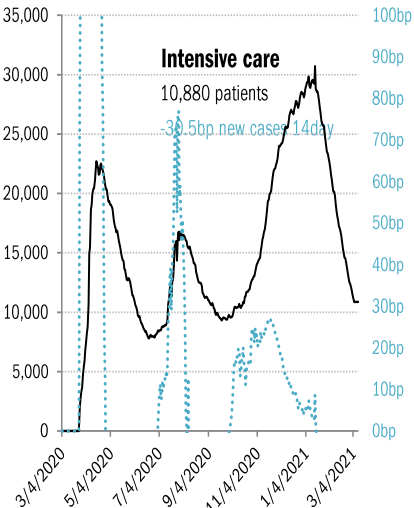
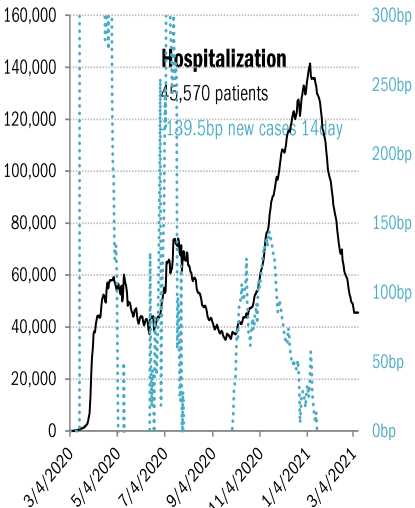
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

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.

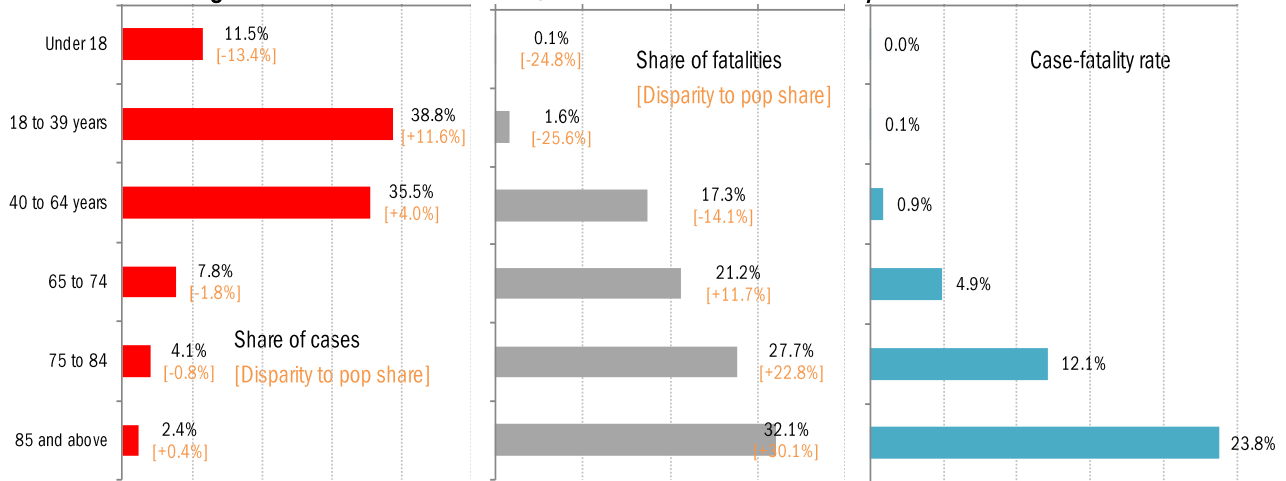


US ventilator data is not updating. We are working to obtain a new source.

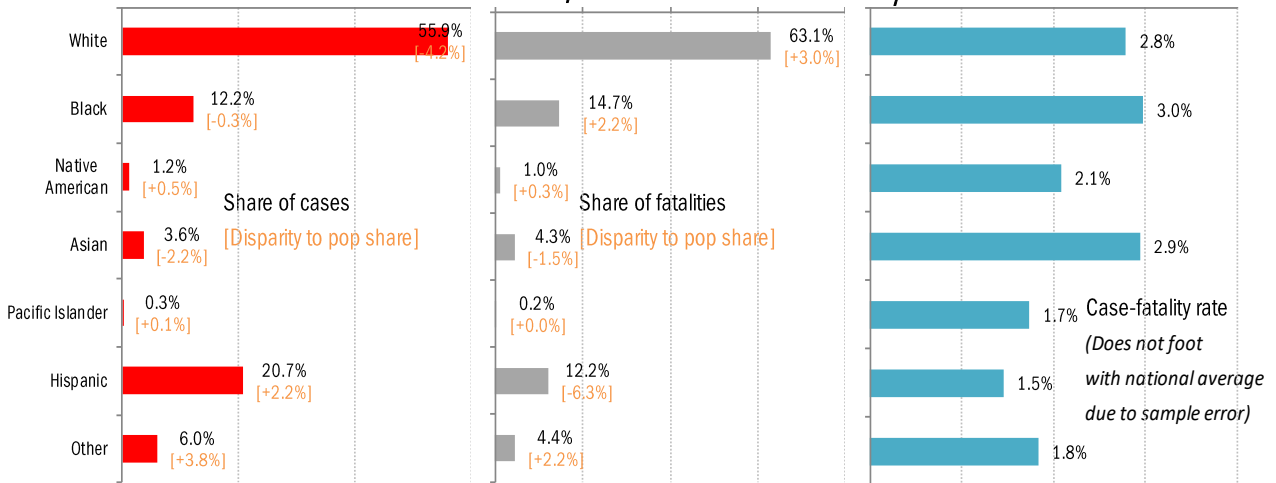
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

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

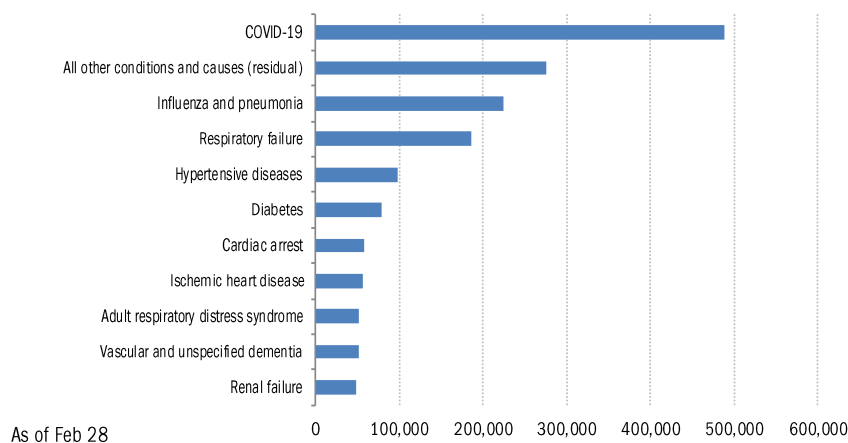


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Zombie Preparedness](#)

CDC

February 23, 2021

[Covid Prescription: Get the Vaccine, Wait a Month, Return to Normal](#)

Marty Makary

Wall Street Journal

March 10, 2021

[Fauci Struggles to Explain Why Vaccinated Americans Shouldn't Travel: Without 'Actual Evidence,' You've 'Got to Make a Judgment Call'](#)

Rudy Takala

Mediaite

March 10, 2021

[It Gets Worse: Cuomo Ordered Homes For Developmentally Disabled To Admit COVID-Positive Patients, Too](#)

Ed Morrisey

Hot Air

March 9, 2021

[CDC misinterpreted our research on opening schools. It should loosen the rules now.](#)

Dr. Tara O. Henderson, Dr. Monica Gandhi, Dr. Tracy Beth Hoeg, Dr. Daniel Johnson

USA Today

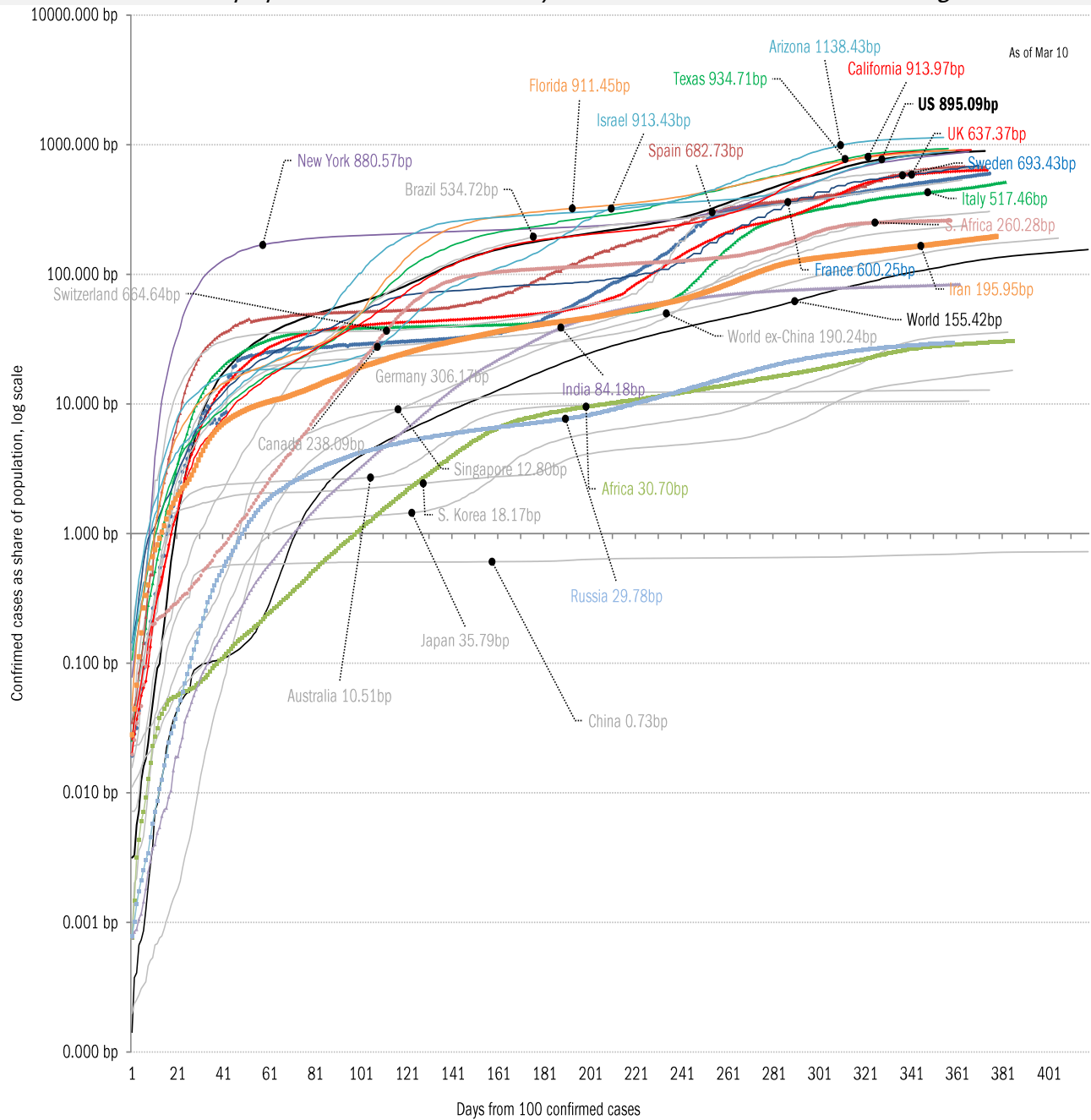
March 9, 2021

Meme of day



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

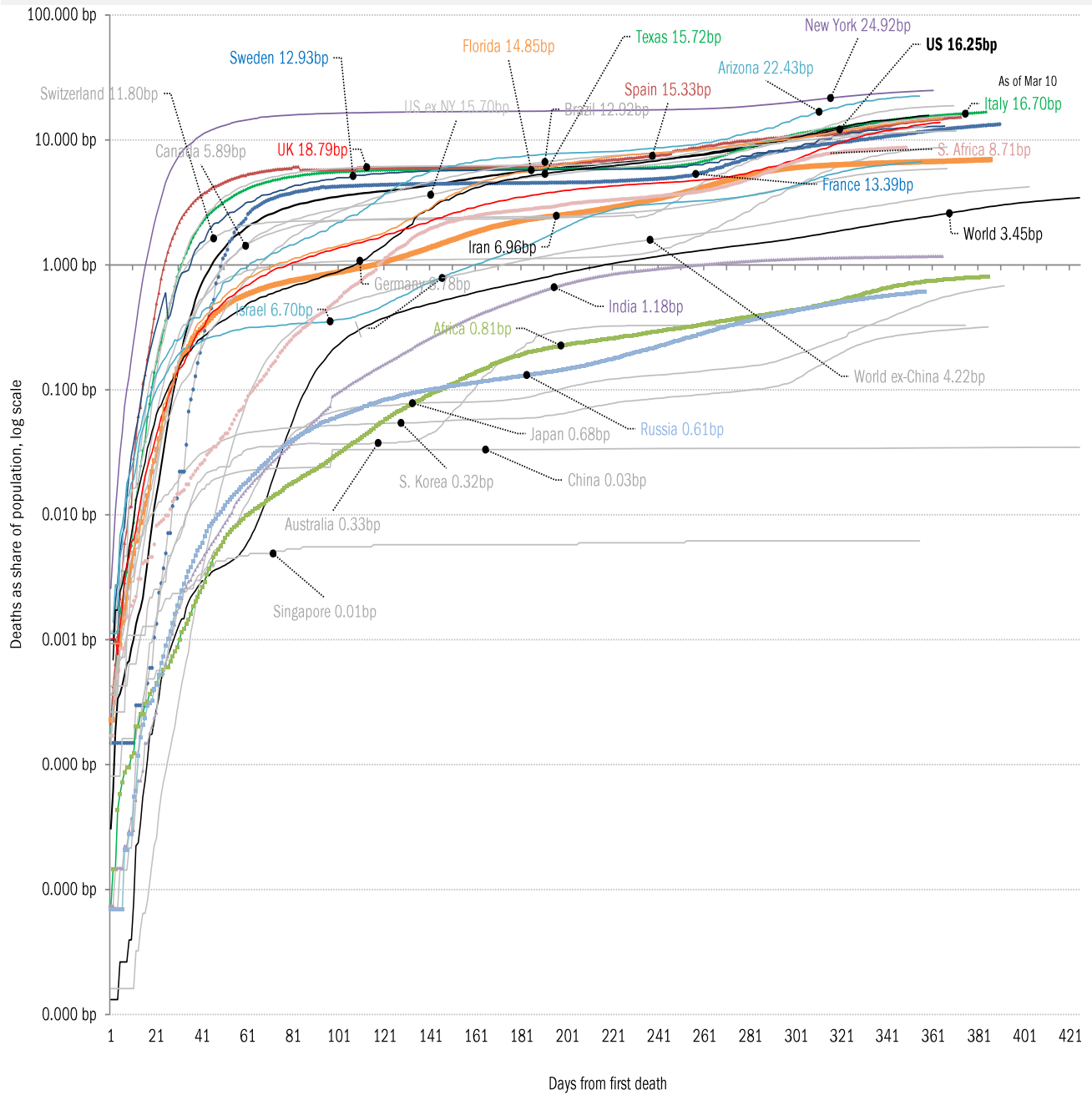
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

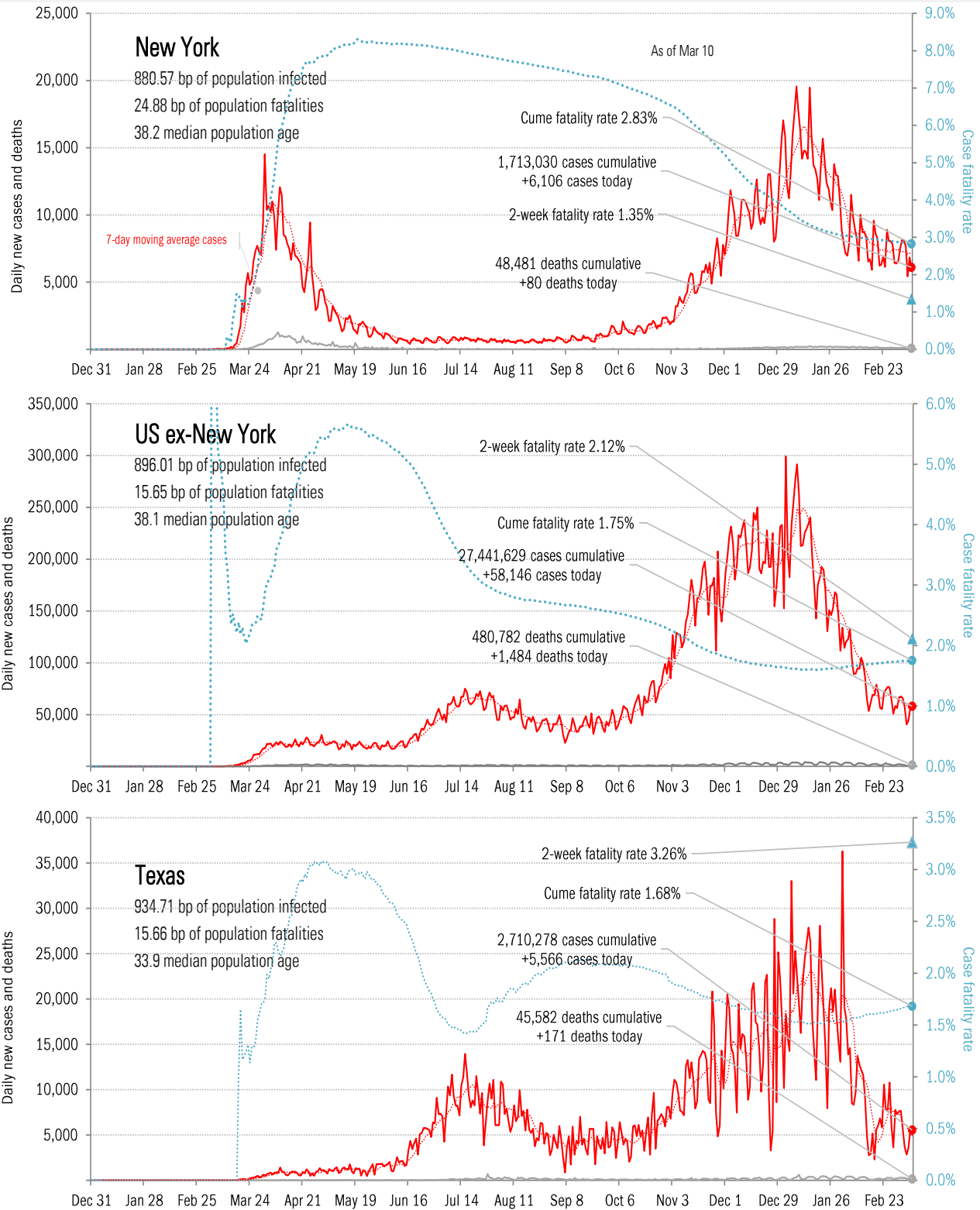
■ Downward trajectory
 ■ Five best
 ■ Upward trajectory
 ■ Five worst

● HIGH ● LOW



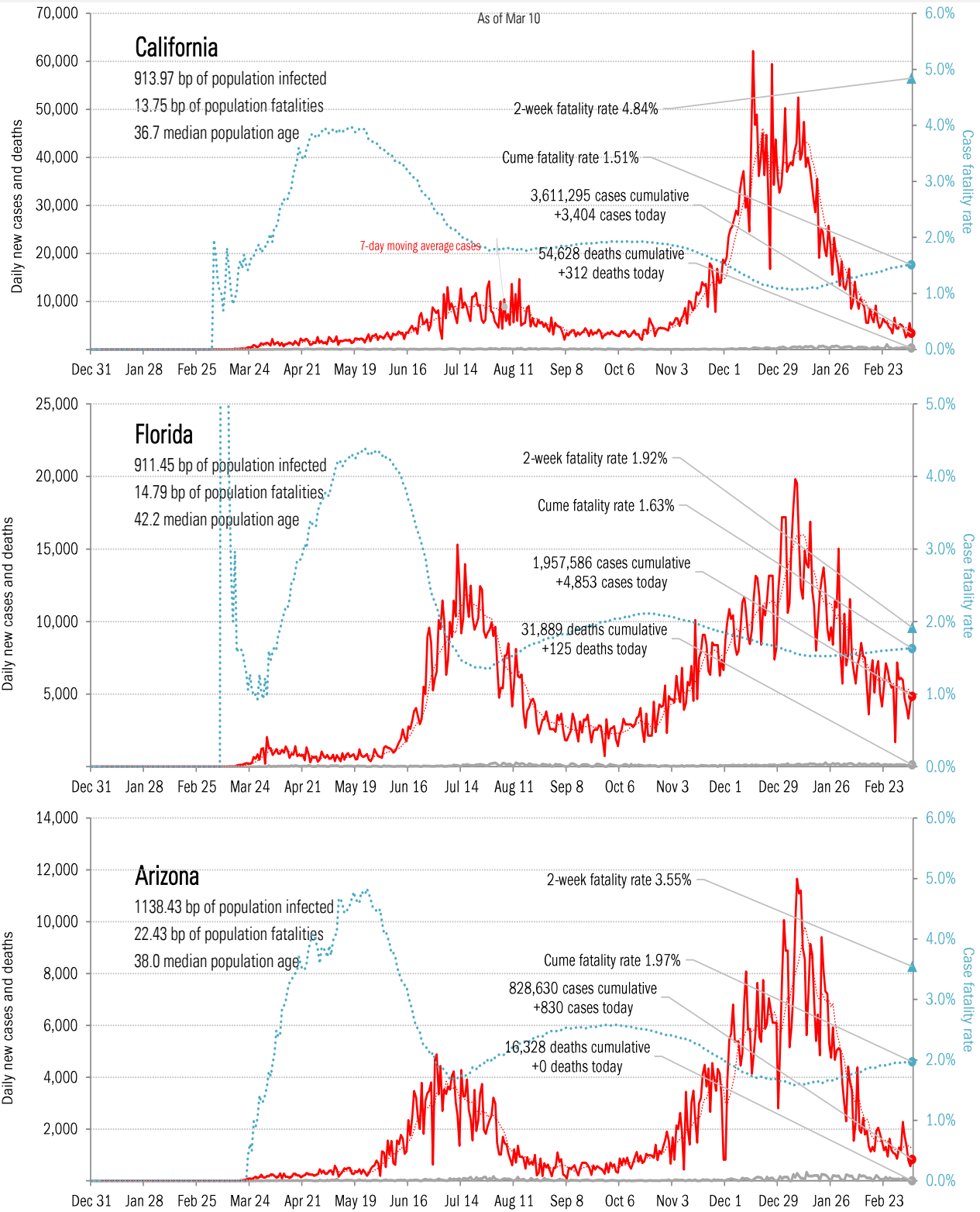
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



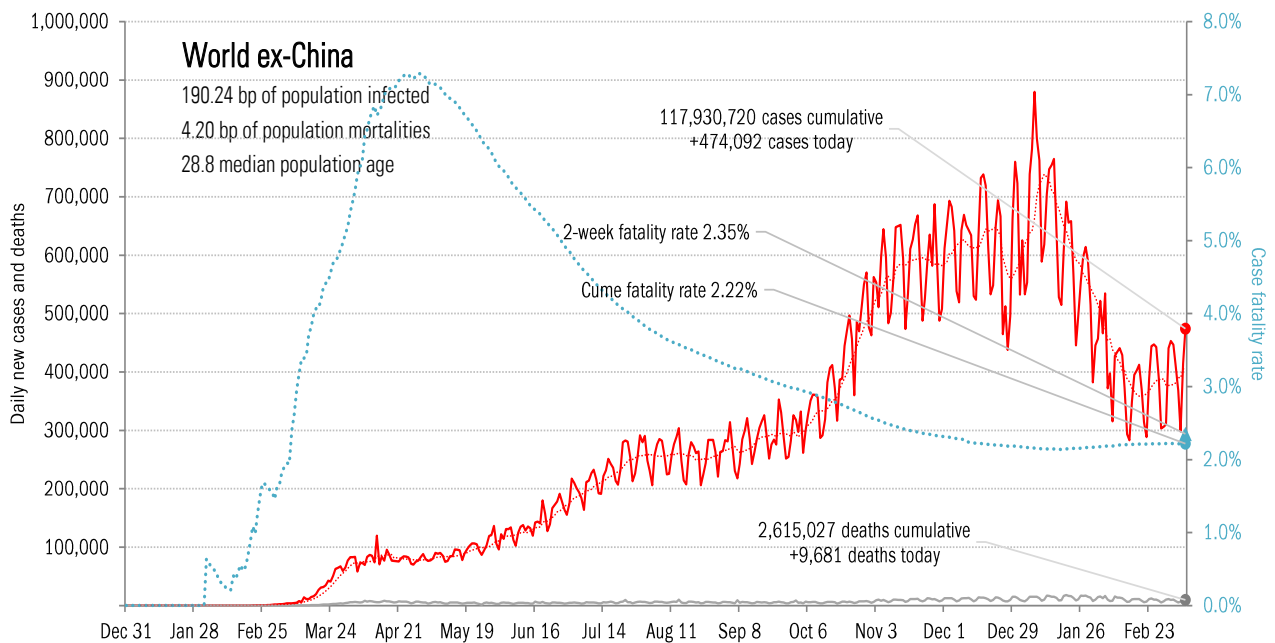
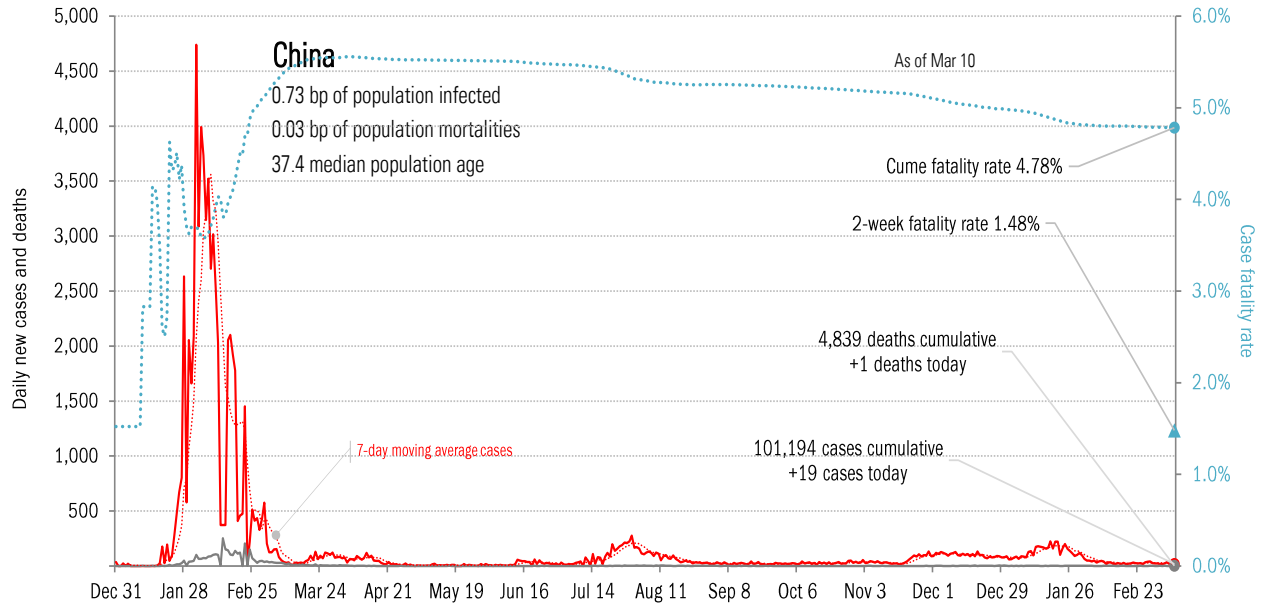
Source: [Johns Hopkins](#), TrendMacro calculations

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



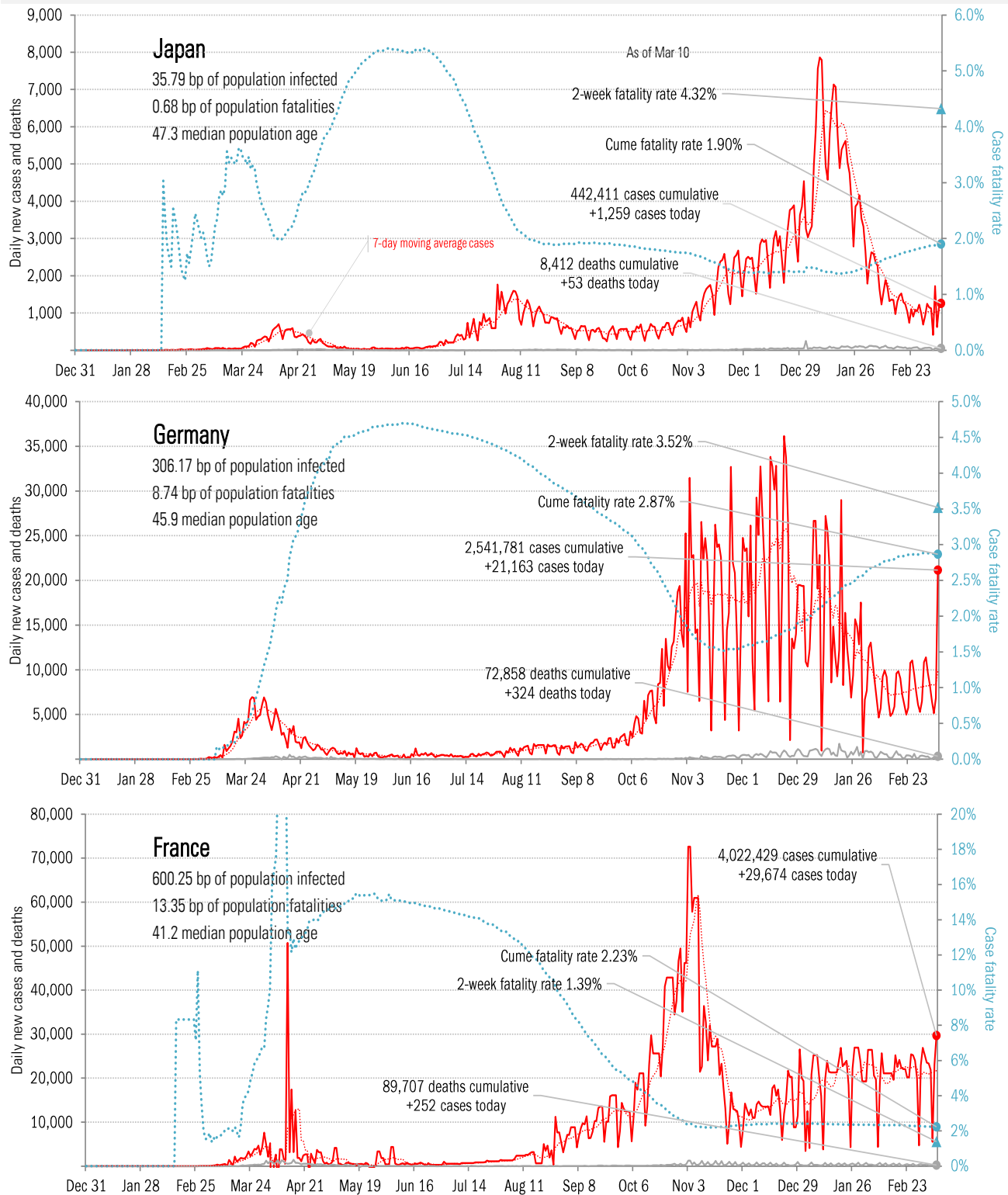
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



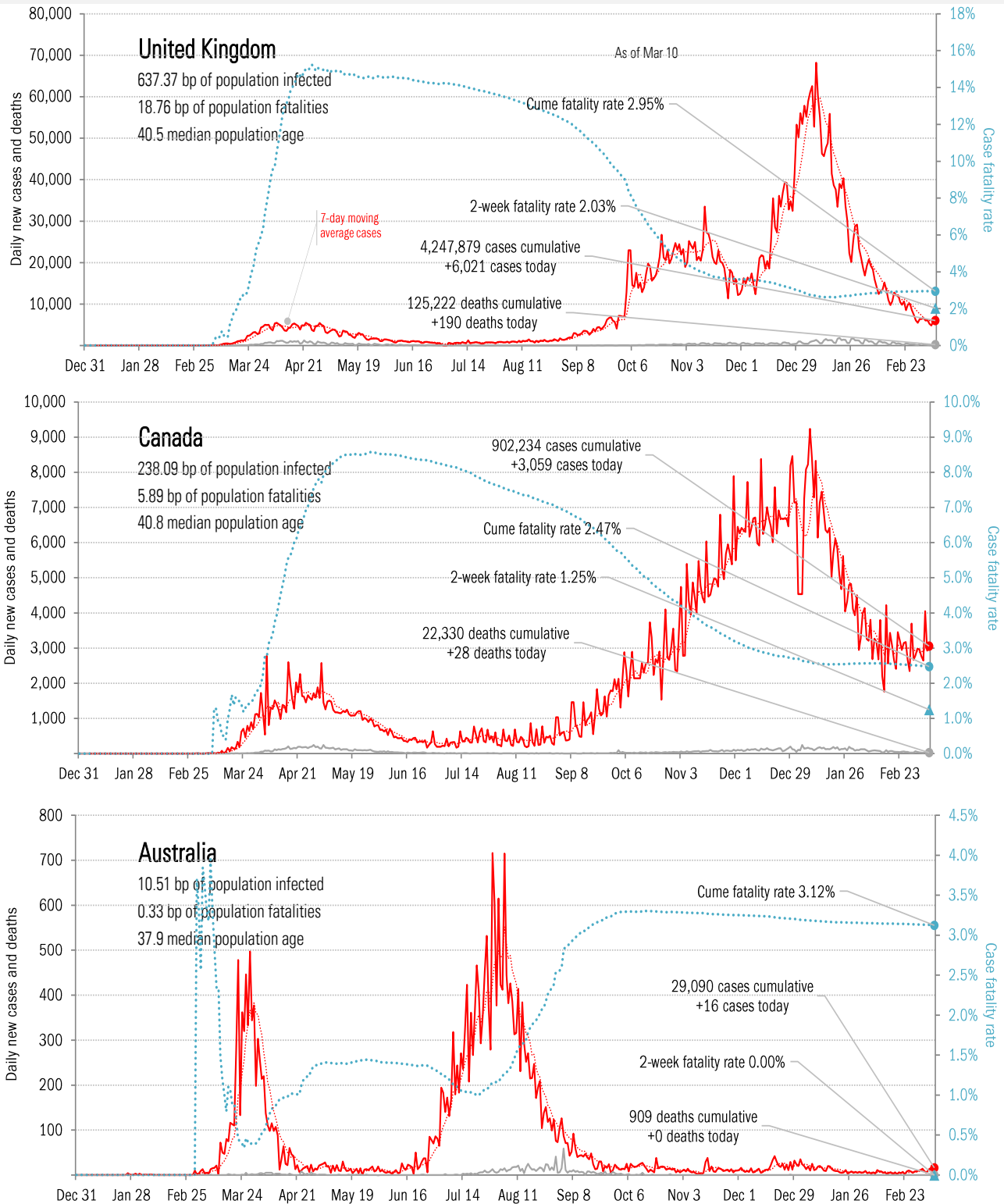
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



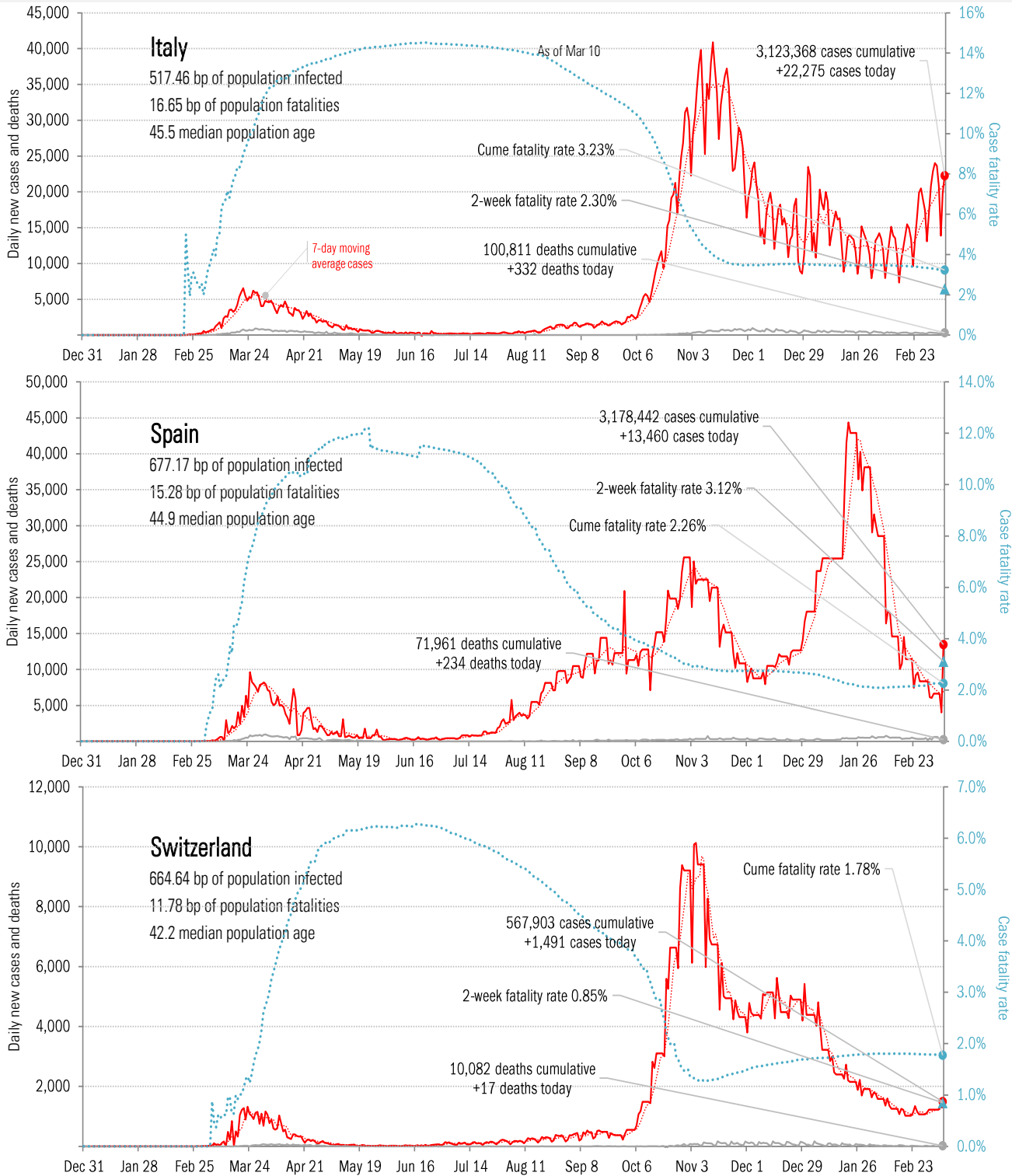
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



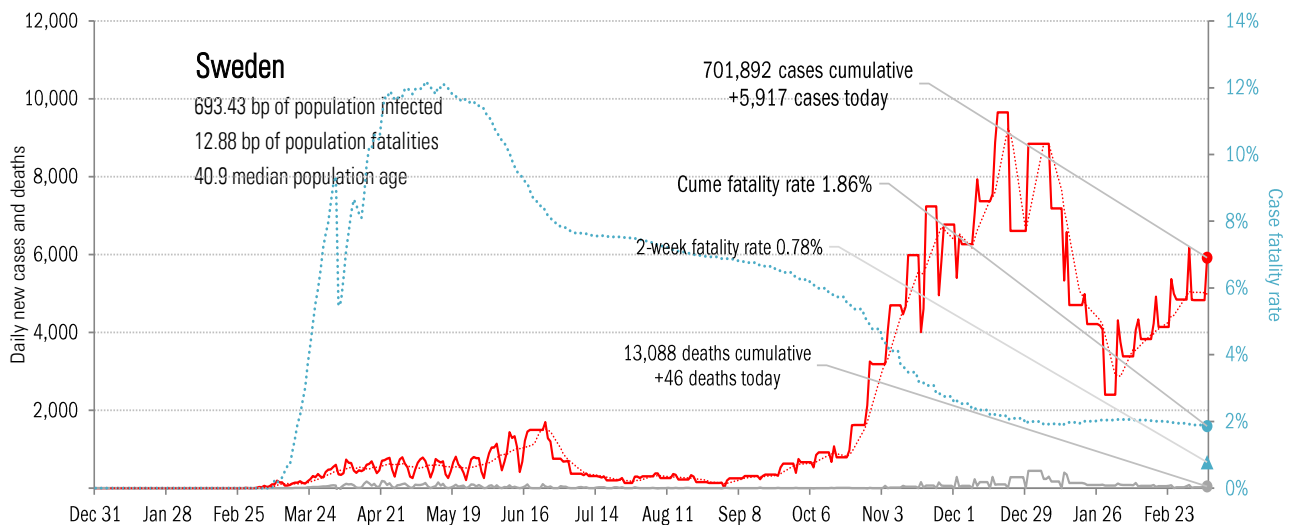
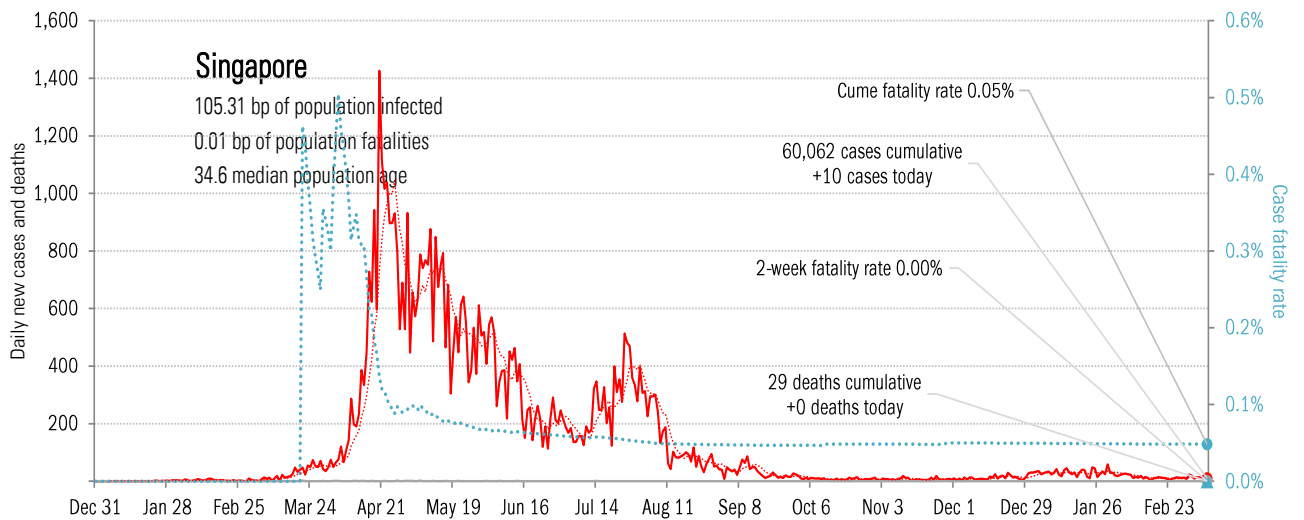
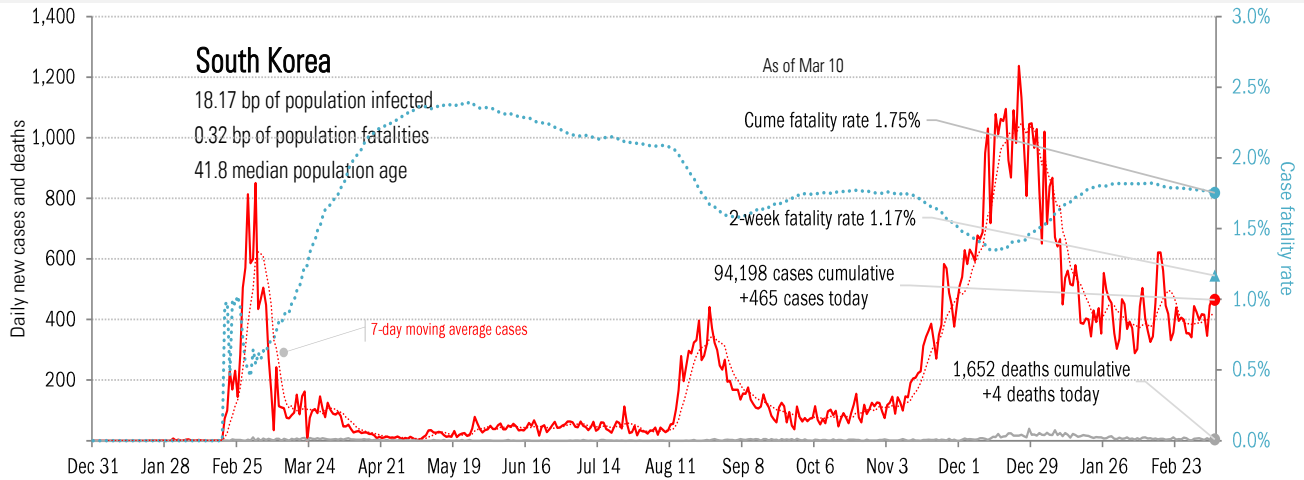
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



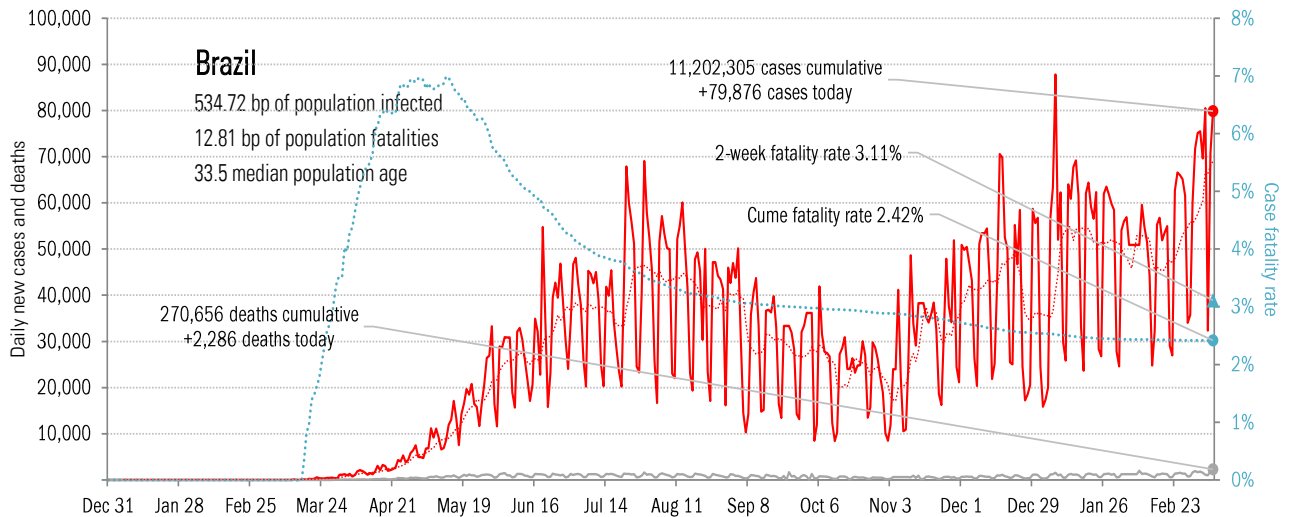
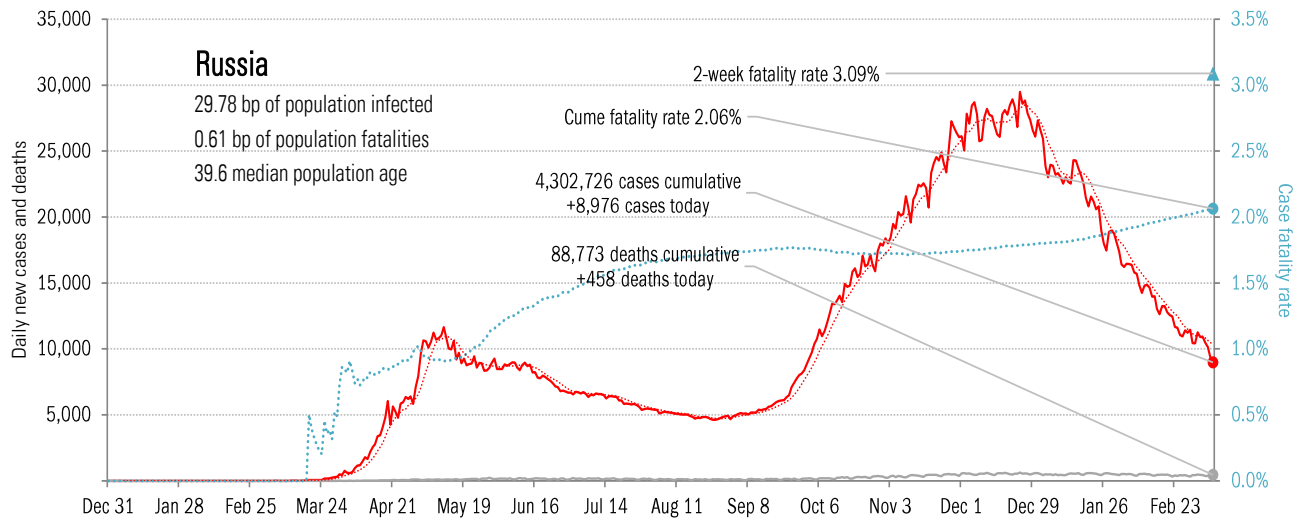
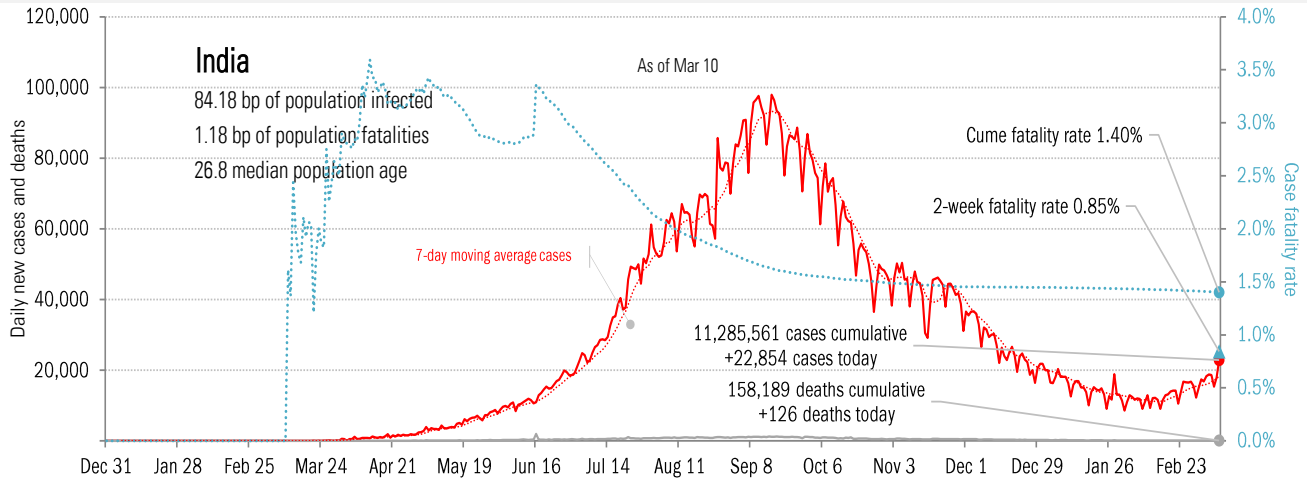
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



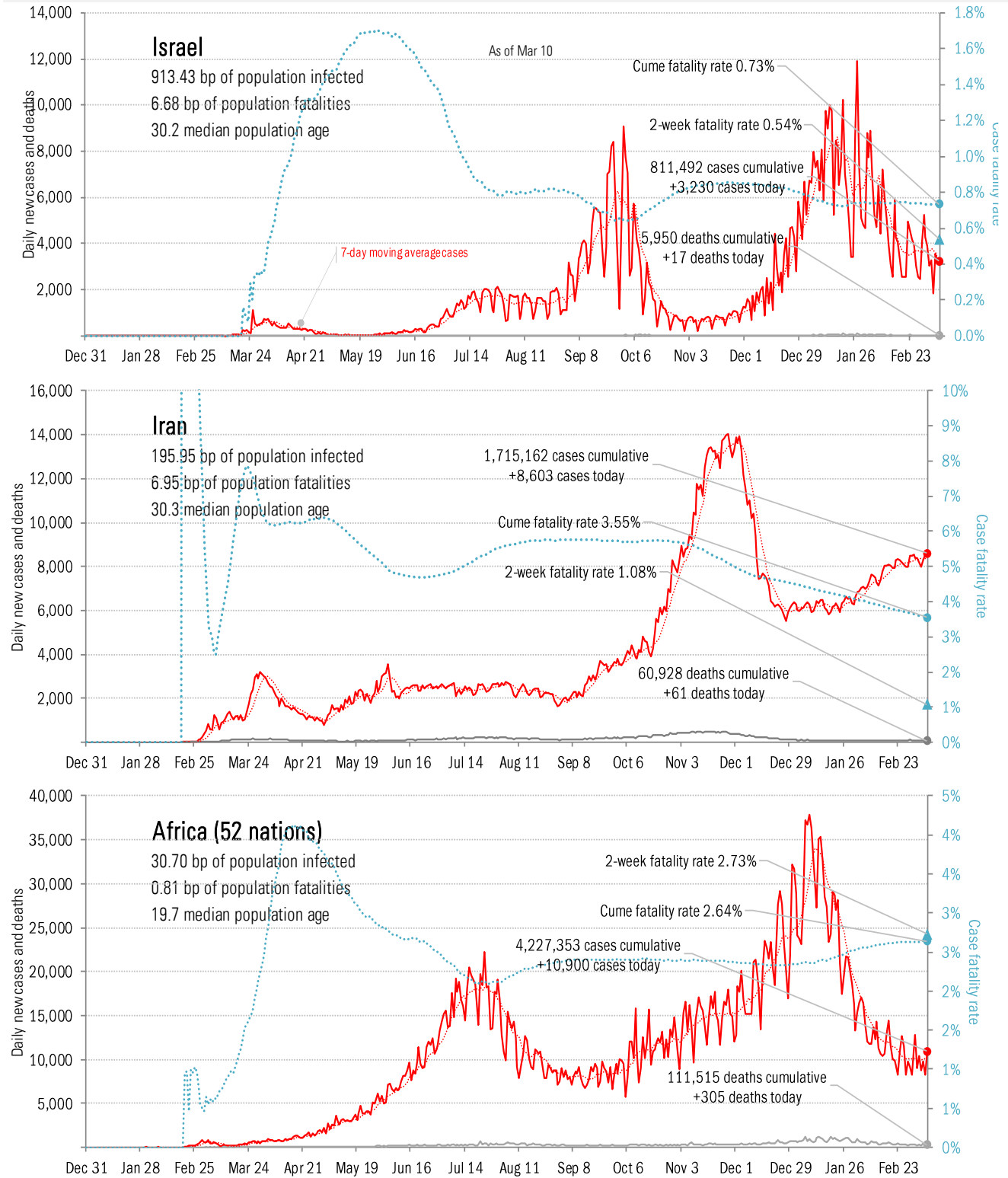
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



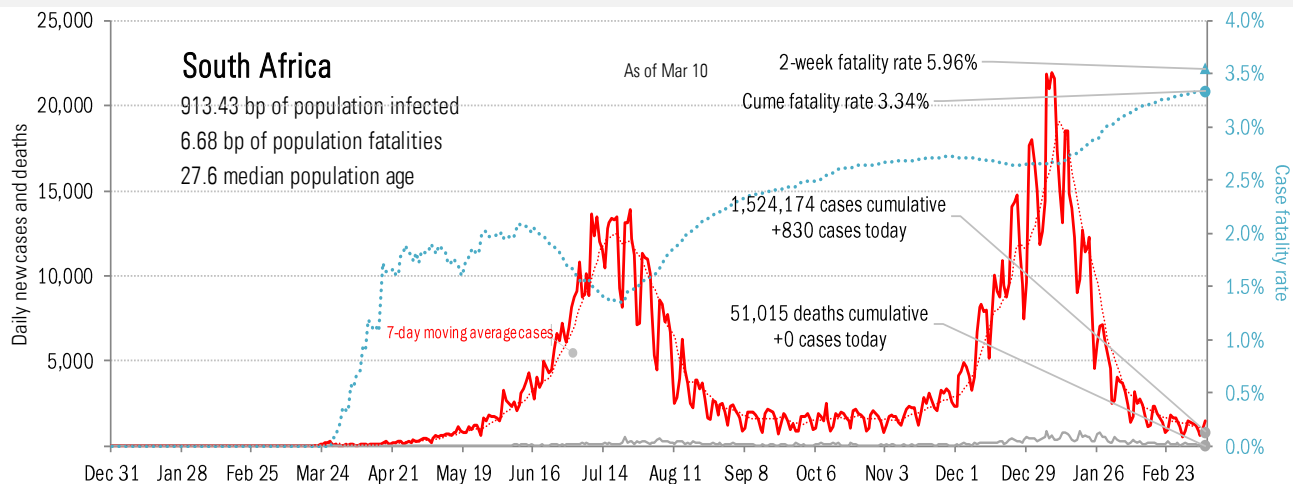
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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