

## Data Insights: Covid-2019 Monitor

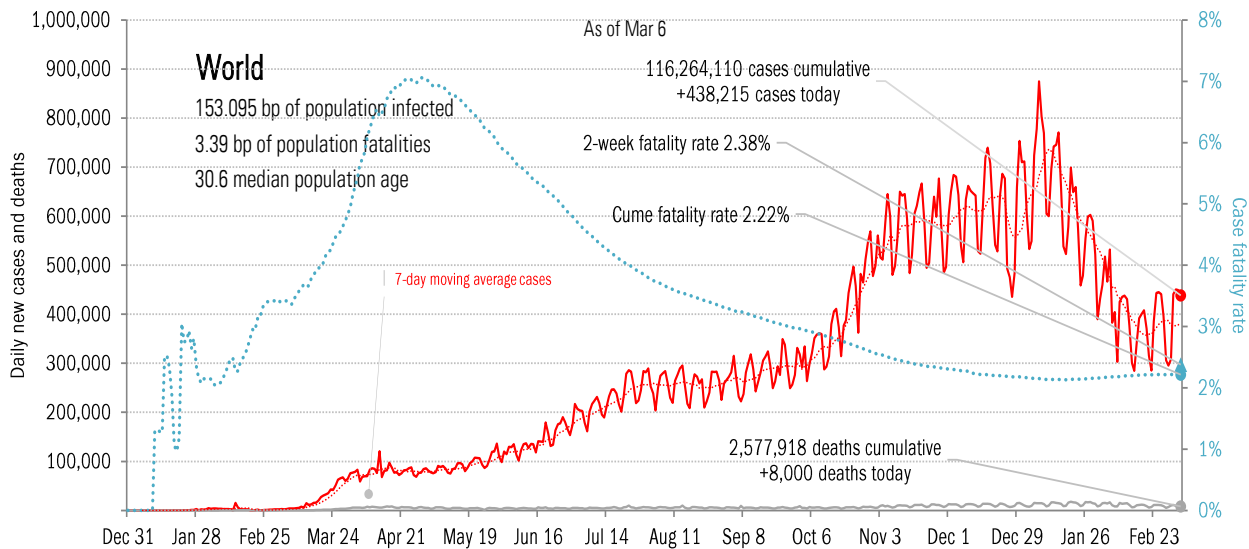
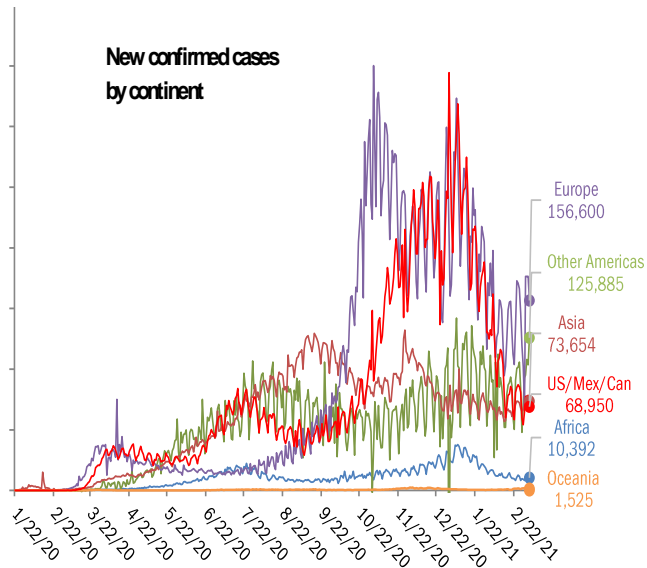
Sunday, March 7, 2021

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
Brazil	+69,609	United States	+1,674
United States	+59,620	Brazil	+1,555
Chile	+31,445	Mexico	+779
Italy	+23,633	Russia	+432
France	+23,306	Italy	+307
India	+18,754	Poland	+247
Poland	+14,855	Czechia	+233
Czechia	+13,162	Peru	+185
Turkey	+11,770	France	+170
Russia	+10,909	Ukraine	+165
<b>+277,063</b>		<b>+5,747</b>	
World	+438,215	World	+8,000
Top ten	63%	Top ten	72%

#### New confirmed cases by continent



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

#### For more information contact us:

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# The US scorecard

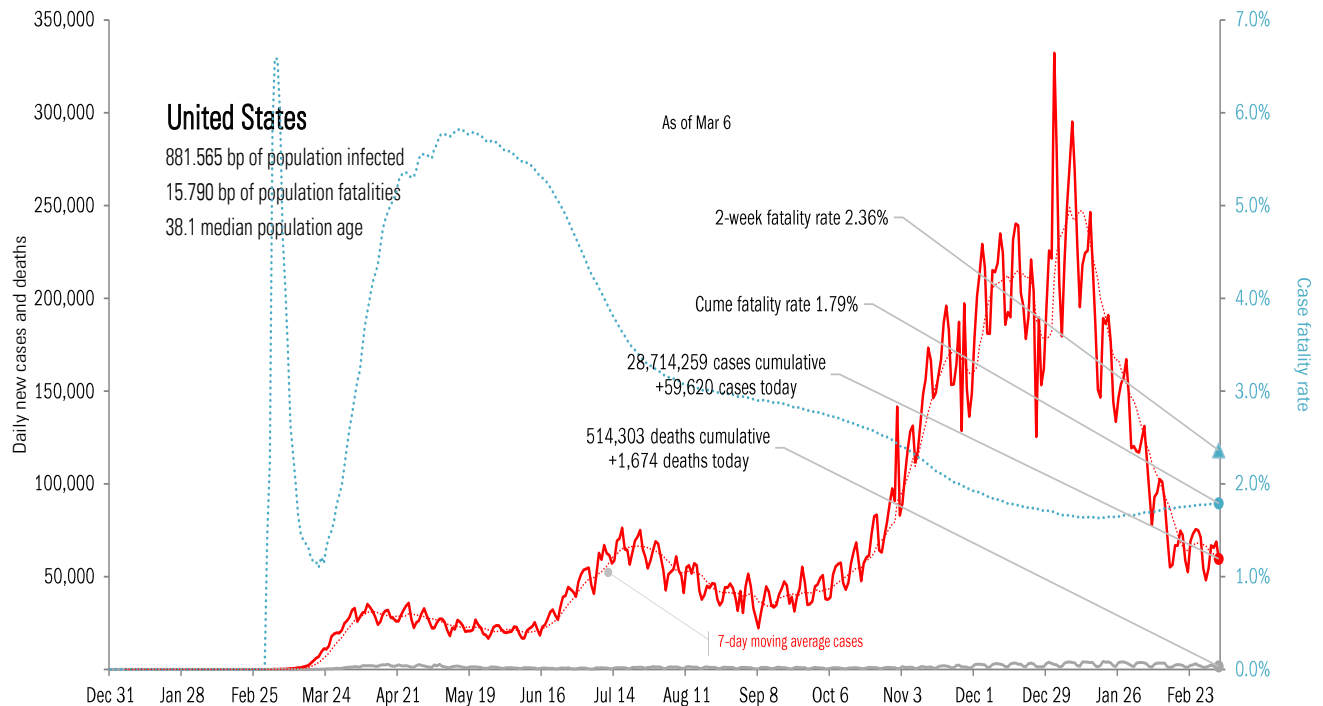
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	+7,647		CA	+418		IN	+38		CA	3,497,578		CA	53,866		NY	89,995		R	95%	DE	87%
TX	+5,570		TX	+233		KS	+32		TX	2,683,865		TX	44,367		FL	82,145		MA	81%	GA	83%
FL	+4,587		FL	+107		MO	+20		FL	1,905,185		NY	38,970		NJ	64,338		GA	80%	DC	83%
CA	+4,452		VA	+91		WV	+7		NY	1,674,380		FL	32,200		AZ	57,863		MO	79%	AL	83%
NJ	+3,720		GA	+90		NM	+6		IL	1,197,267		PA	24,317		GA	56,762		CT	79%	MO	82%
PA	+2,789		NY	+79		ME	+5		GA	1,021,778		NJ	23,557		CH	50,848		MD	79%	OK	80%
IL	+2,565		MI	+57		AK	+1		CH	977,736		IL	23,002		AL	45,976		DC	78%	FL	80%
GA	+2,269		IL	+56		CO	+1		PA	946,985		GA	17,905		IN	43,153		FL	78%	RI	79%
NC	+2,027		NC	+56		AS	+0		NC	872,176		CH	17,656		MD	35,572		PA	78%	NM	79%
AZ	+1,735		PA	+55		HI	+0		AZ	825,119		MI	16,658		WI	26,432		SC	76%	TX	79%
+37,361			+1,242			+110			15,602,069			292,498			553,084						
All states	+59,620		+1,674			-1631			All states	28,714,259		514,303			877,887			All states	73%	71%	
Top ten	63%		74%			-7%			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	
NY	-1,309	CH	-467	VA	-130	TX	+21,445
FL	-1,289	FL	-31	FL	-117	MI	+8,623
TX	-1,283	AZ	-30	CA	-110	CH	+2,279
CT	-830	LA	-30	SC	-98	NM	+1,624
KS	-752	TN	-24	NC	-51	TN	+1,319

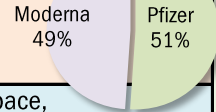


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
116.36 million doses distributed	+2.22 million/day	United States 8.9%
87.91 million doses administered	+2.90 million/day	United Kingdom 1.6%
57.36 million persons with one shot	+1.81 million/day	France 2.8%
29.78 million persons with two shots	+1.07 million/day	Spain 2.9%
7.35 million shots long-term care residents/staff	+0.04 million/day	Germany 2.9%
		Italy 2.7%
		Australia 0.7%
		Israel 42.9%
		Canada 1.5%
		Japan 2.7%
		China 3.0%
		India 0.3%
		Brazil 1.2%

75.6% of distributed doses administered  
 17.3% of US pop 1 shot      9.0% 2 shots  
 100% of LTC 1 shot      58.0% 2 shots



At today's dosing pace,  
 every American will have two in  
**196 days**  
 by Sep 17, 2021  
 US will achieve herd immunity in  
**86 days**  
 by May 30, 2021

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

AK
58.3%
24.4%
15.0%

ME
37.5%
19.9%
10.0%

WI
33.1%
18.9%
10.4%

VT	NH
41.8%	36.5%
19.0%	19.9%
9.9%	8.4%

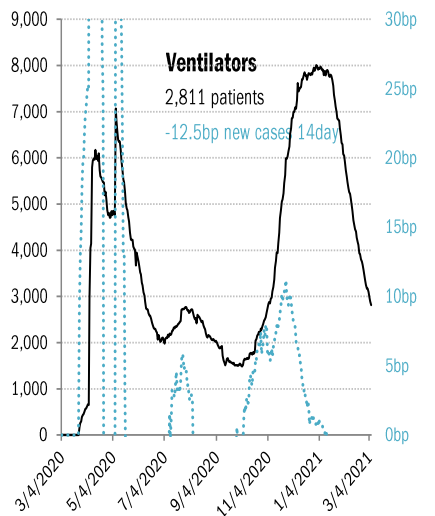
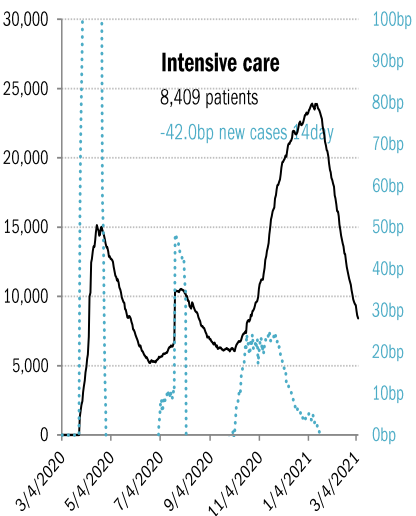
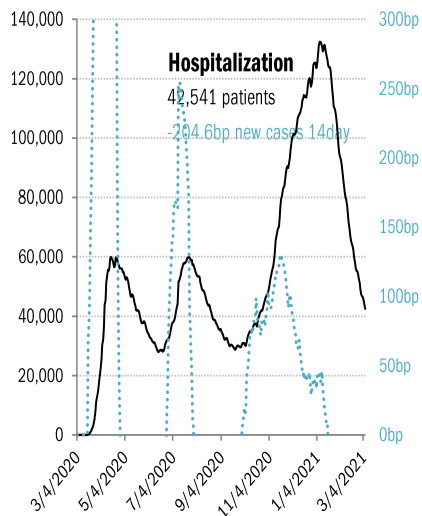
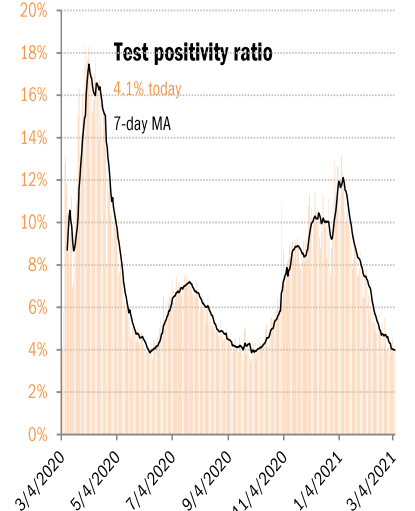
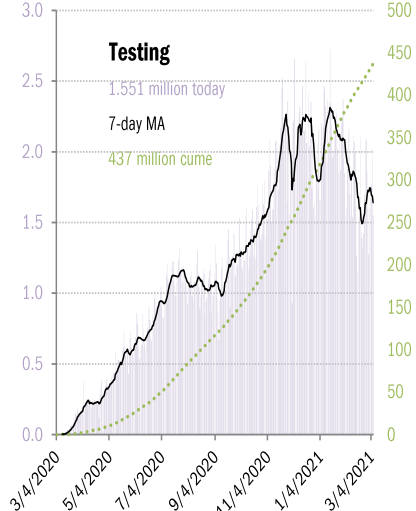
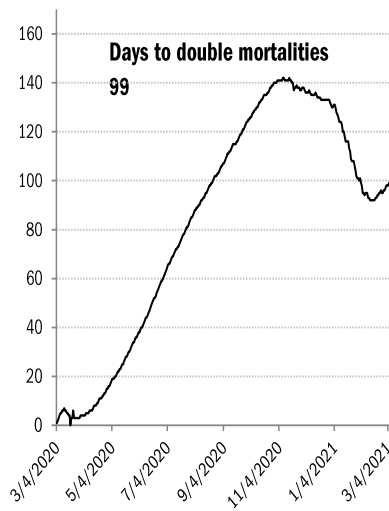
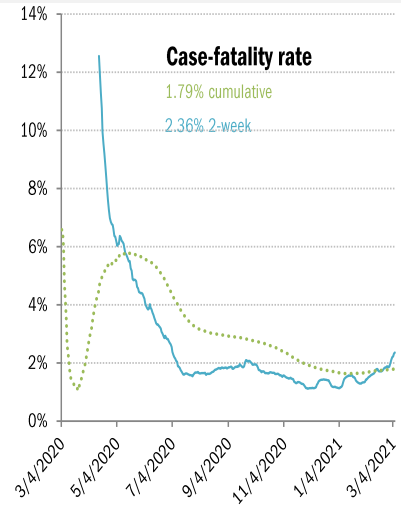
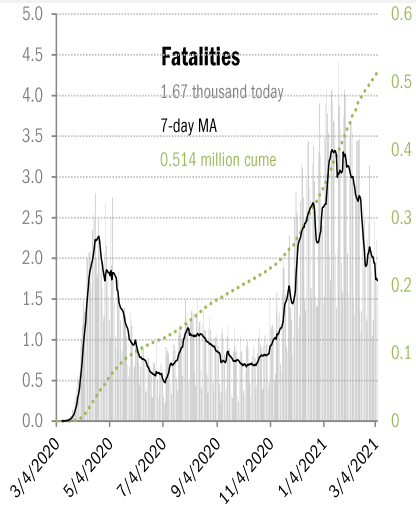
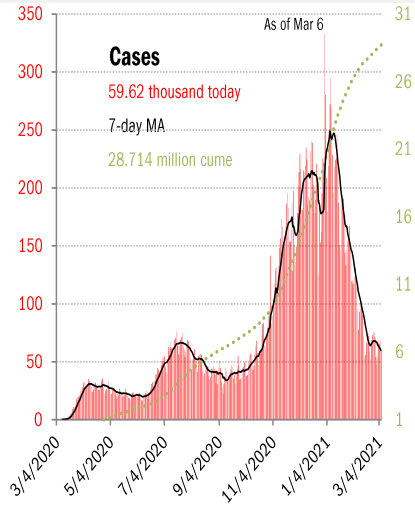
WA	ID	MT	ND	MN	IL	MI	NY	MA		
34.9%	33.2%	38.5%	39.4%	34.6%	34.6%	33.7%	36.0%	36.2%		
17.3%	16.2%	19.7%	21.6%	19.3%	18.0%	17.0%	16.9%	20.7%		
9.7%	8.9%	10.6%	11.6%	9.7%	8.3%	9.6%	8.5%	9.2%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
33.7%	33.6%	40.8%	45.2%	35.1%	32.8%	34.7%	36.3%	34.6%	40.2%	36.6%
17.0%	16.5%	19.1%	23.3%	19.2%	16.4%	16.6%	17.6%	19.3%	23.1%	21.0%
9.7%	8.8%	11.1%	12.2%	8.0%	10.1%	9.1%	8.1%	9.7%	9.0%	8.4%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
35.1%	31.0%	35.1%	36.8%	33.1%	34.8%	40.4%	33.8%	35.0%	37.2%	
17.9%	15.0%	17.7%	17.8%	15.9%	18.4%	20.0%	18.0%	17.6%	16.8%	
8.2%	6.6%	9.5%	9.6%	8.3%	9.2%	12.6%	9.9%	9.8%	9.6%	
AZ	NM	KS	AR	TN	NC	SC	DC			
36.0%	43.0%	37.5%	36.1%	33.8%	34.6%	31.9%	47.8%			
18.3%	24.8%	16.9%	15.8%	14.9%	16.8%	16.0%	13.5%			
9.1%	13.8%	8.5%	8.8%	7.9%	9.2%	8.8%	7.0%			
OK	LA	MS	AL	GA						
44.0%	35.3%	35.9%	33.2%	32.4%						
19.8%	15.9%	16.1%	14.7%	12.9%						
11.3%	9.0%	8.7%	8.2%	8.2%						
HI	TX	FL	PR							
42.2%	31.9%	36.2%	39.2%							
19.2%	14.6%	16.6%	12.2%							
11.7%	8.0%	9.2%	7.0%							

As of Mar 6

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

# US deep-dive

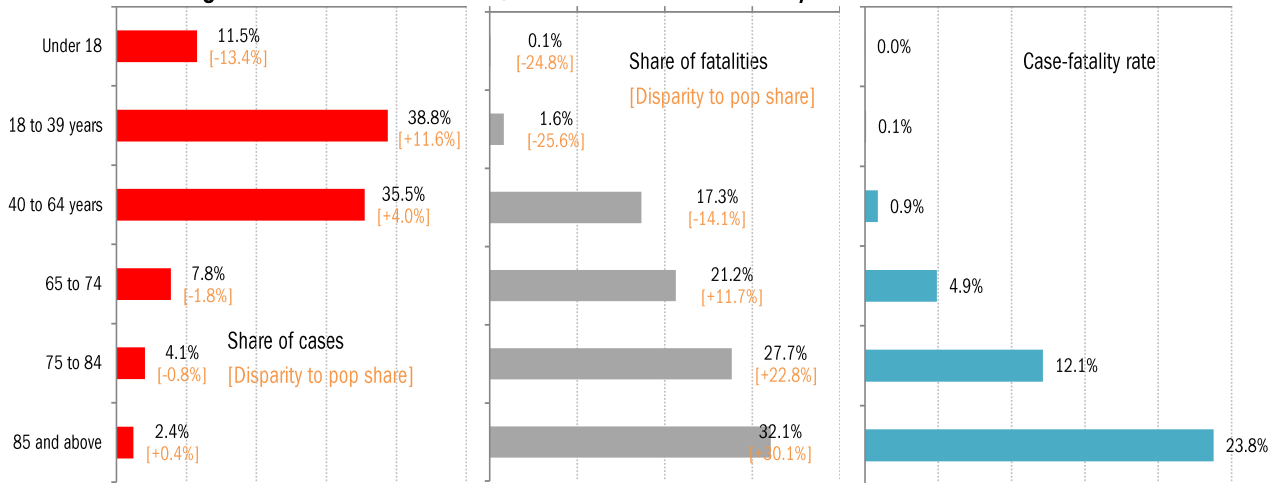
National and state-by-state data do not line up because of different sources



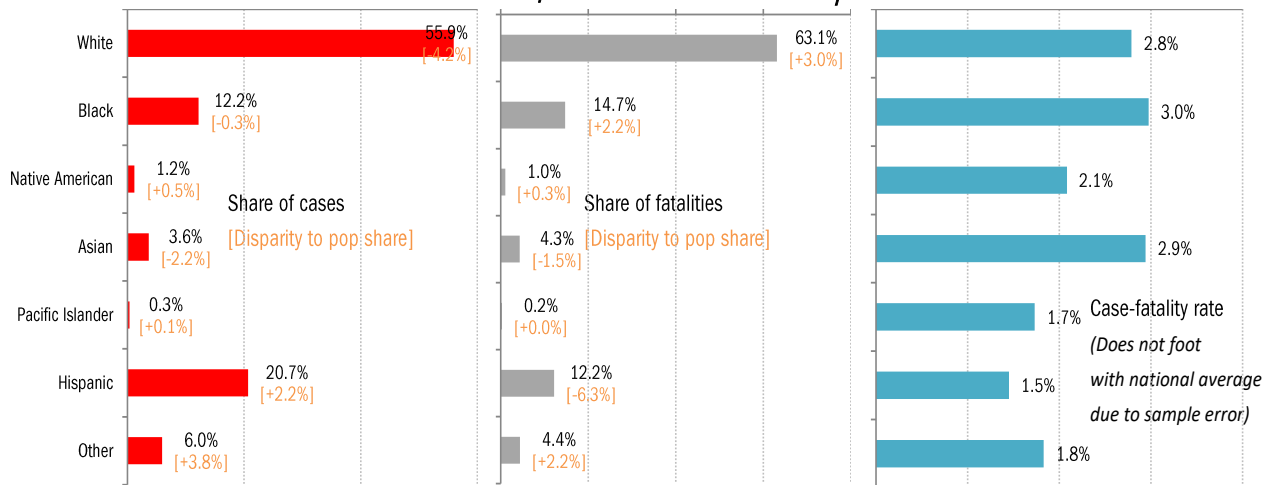
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

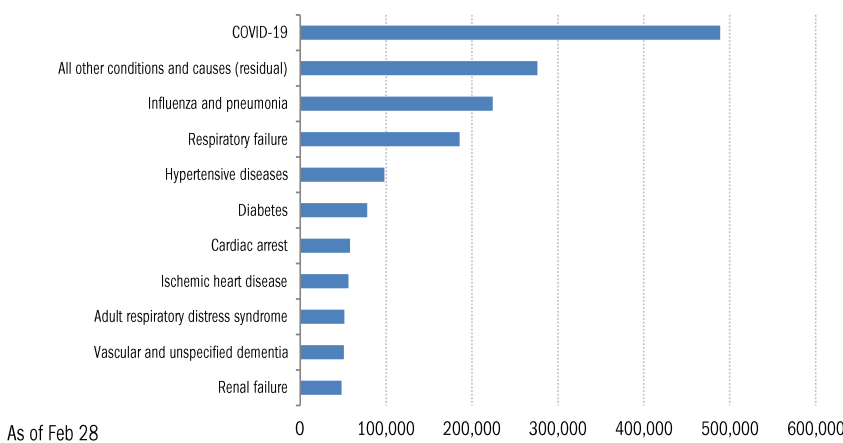


## Racial distribution of US cases, fatalities and case-fatality rates Cumulative



## 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

[An Austrian Region Becomes a Coronavirus Vaccine Laboratory](#)

Melissa Eddy  
*New York Times*  
March 4, 2021

[Covid-19 death rates 10 times higher in countries where most adults are overweight, report finds](#)

Lauren Mascarenhas and Zamira Rahim  
*CNN*  
March 5, 2021

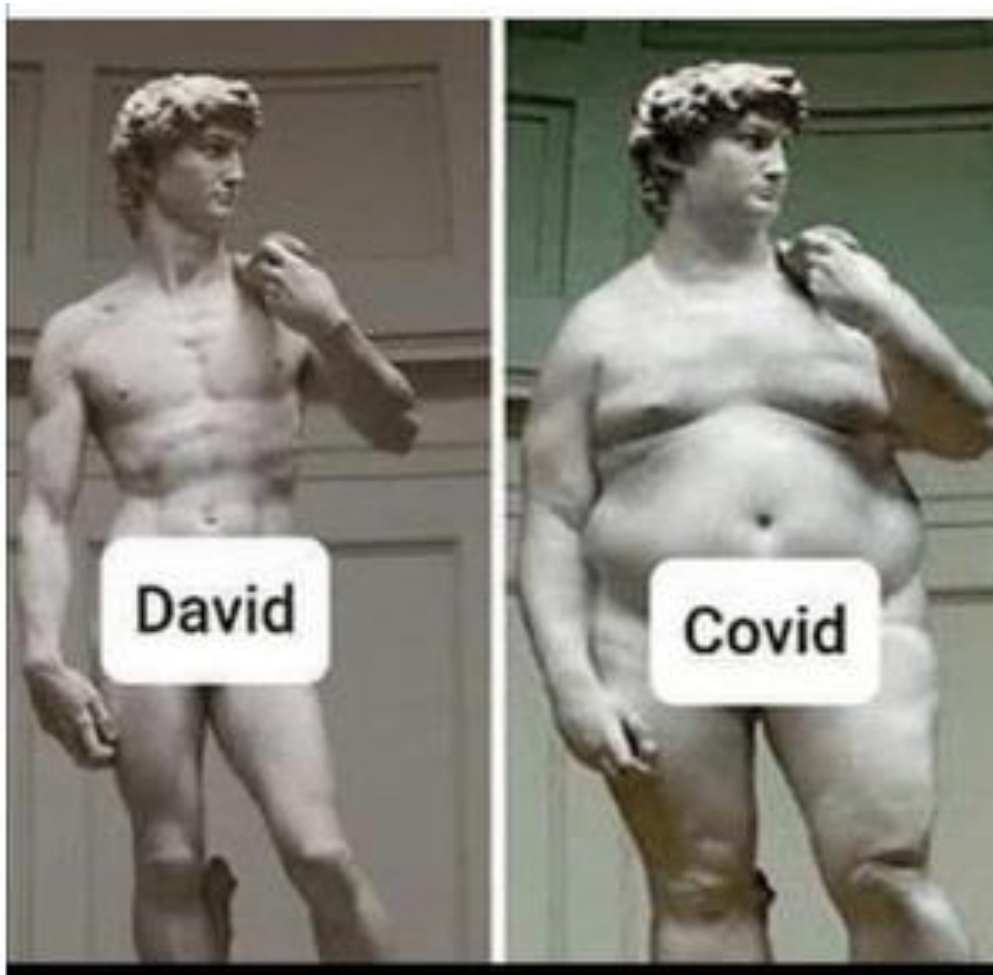
[Vindication for Ron DeSantis](#)

Allysia Finley  
*Wall Street Journal*  
March 5, 2021

[Dr. Fauci warns of COVID-19 spike in coming weeks, even with more vaccine doses](#)

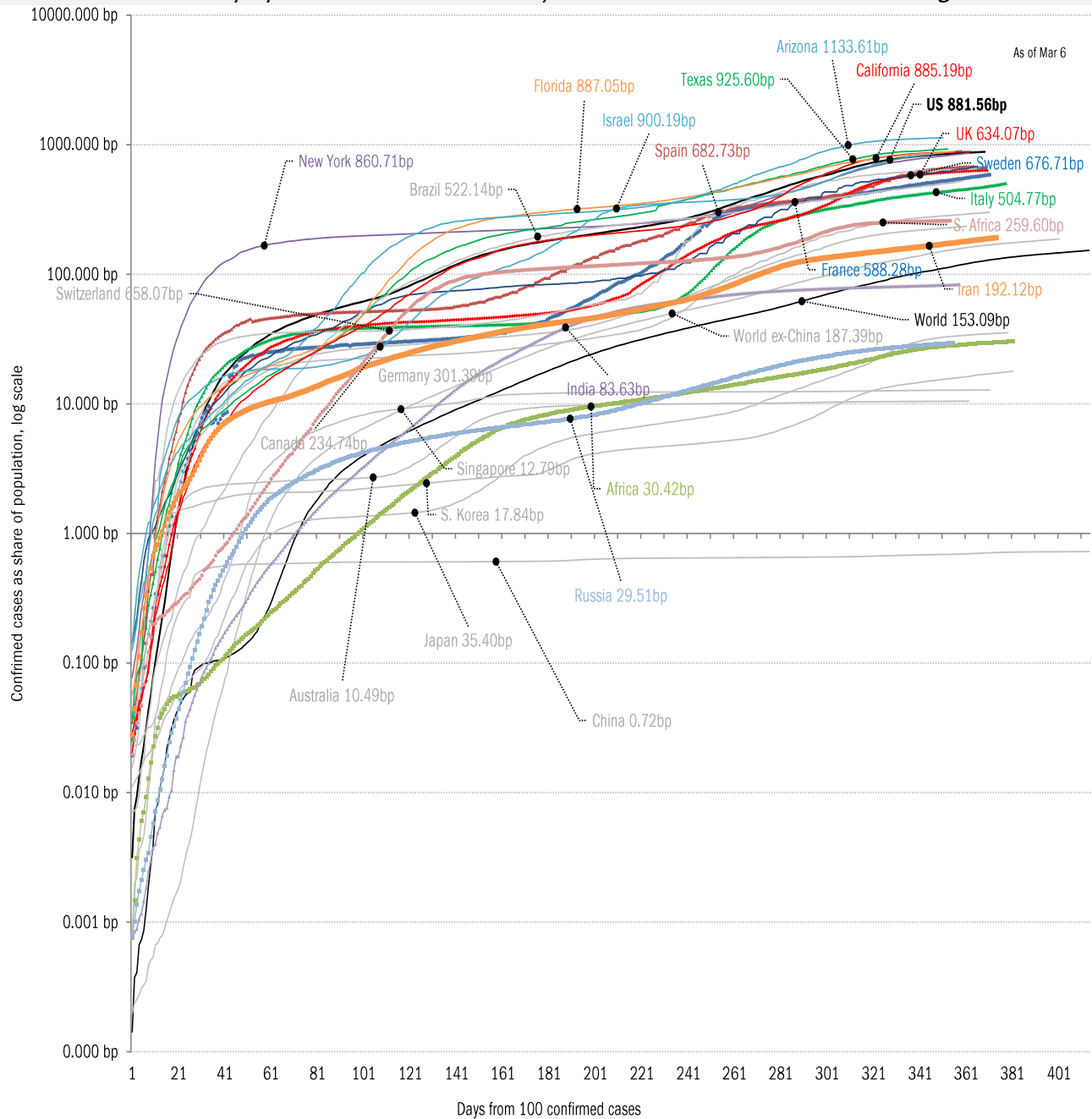
Natalie O'Neill  
*New York Post*  
March 5, 2021

## Meme of day



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

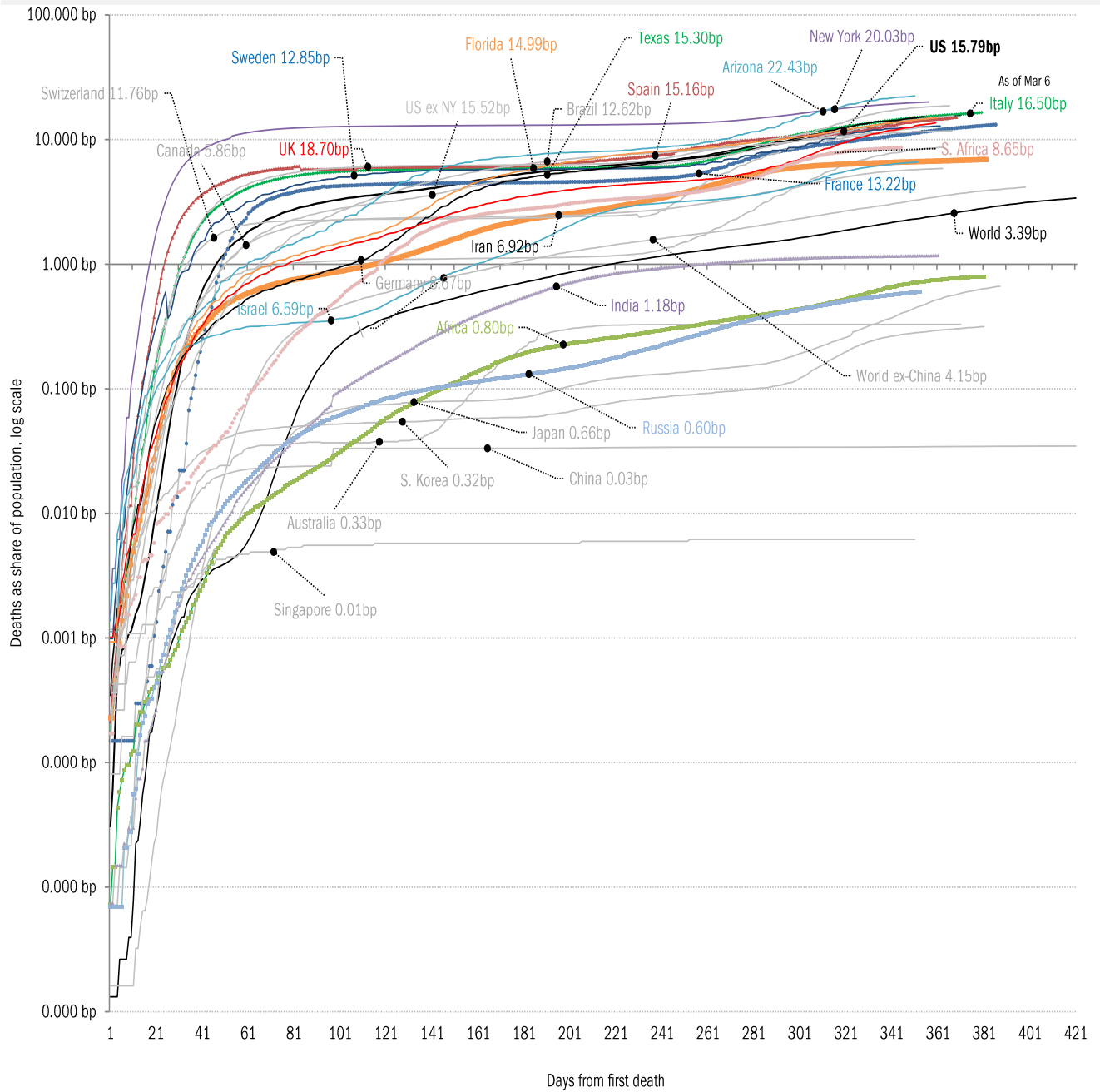
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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



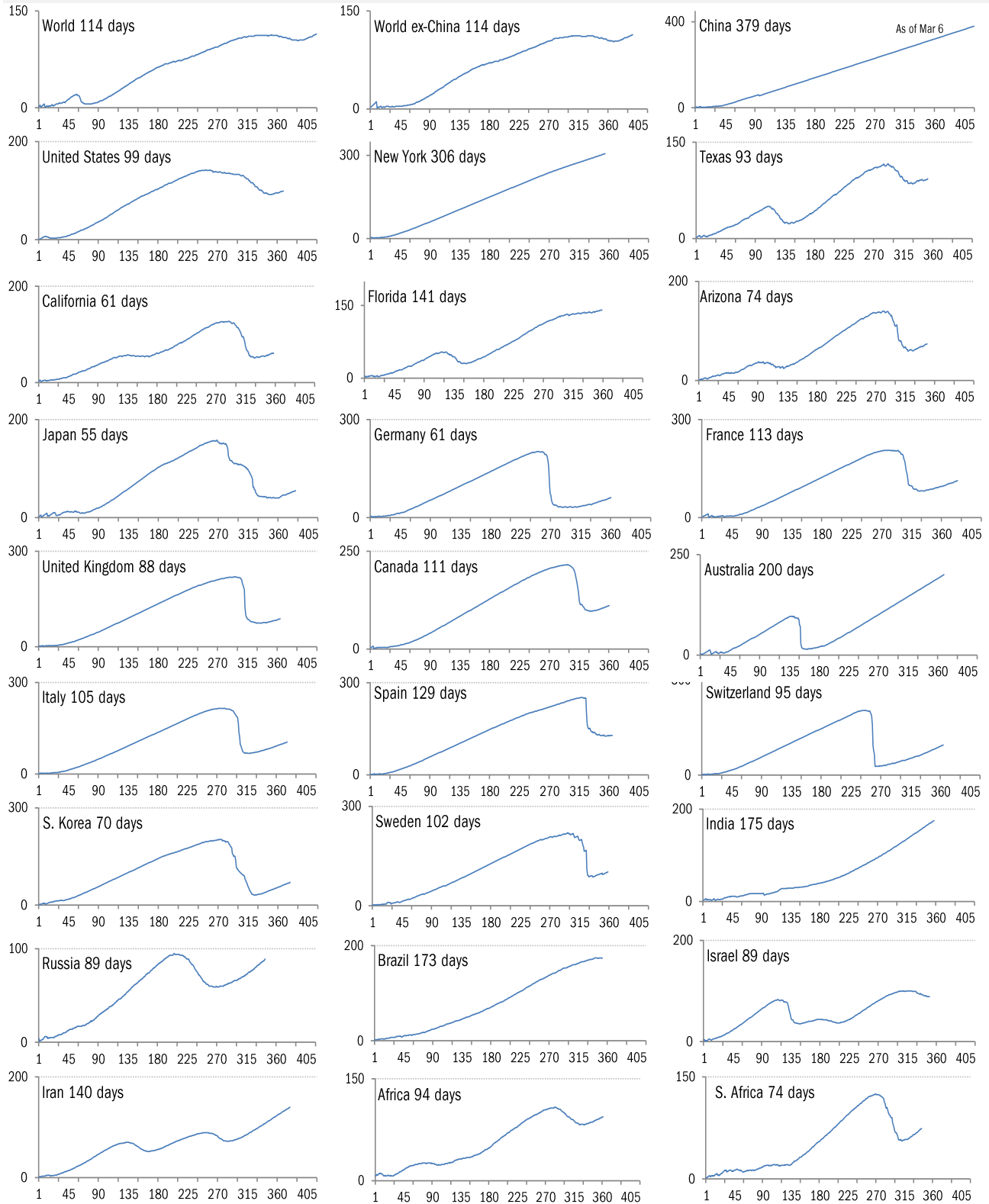
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



# "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

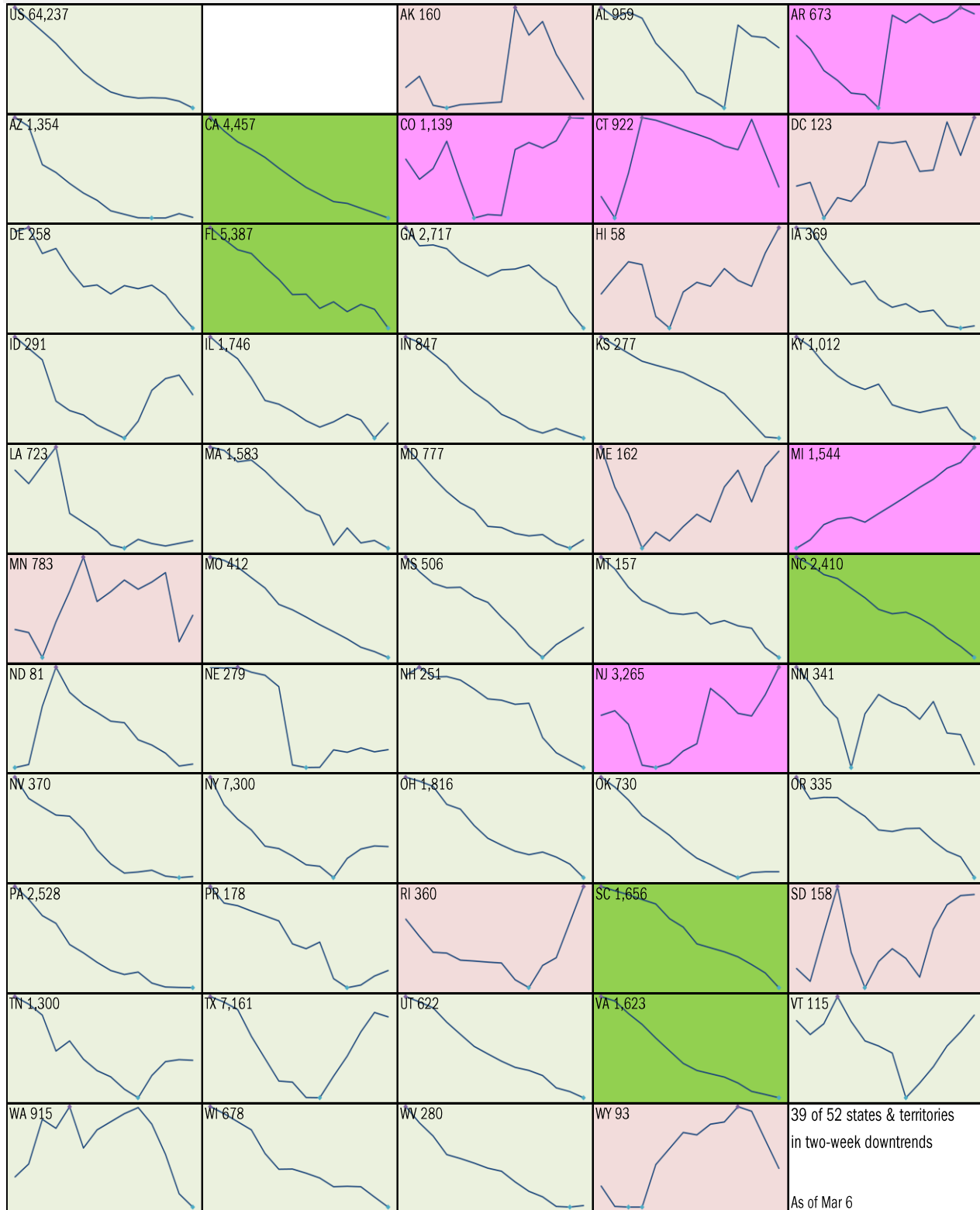


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

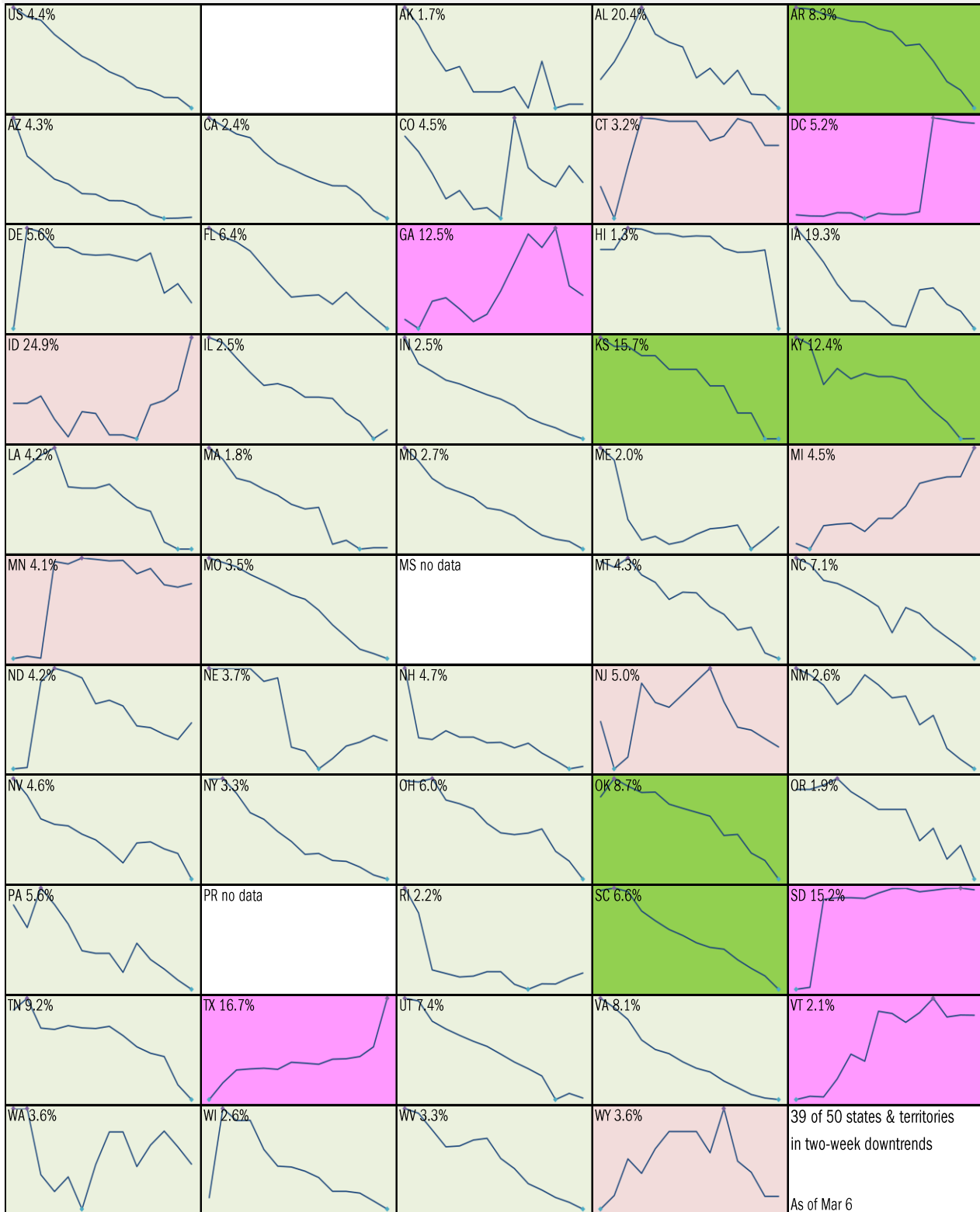


Source: [Covid Tracking Project](#), TrendMacro calculations

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

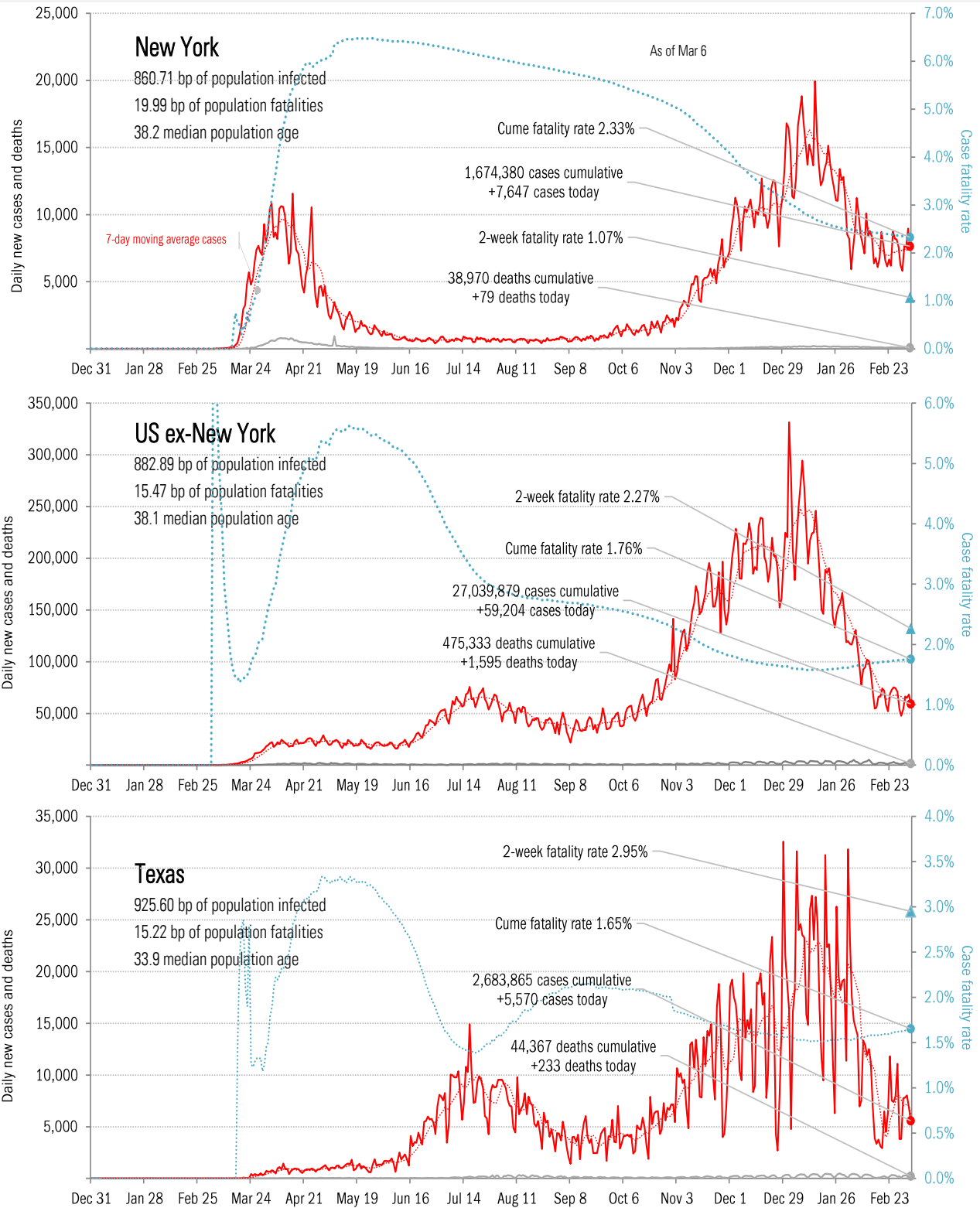
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



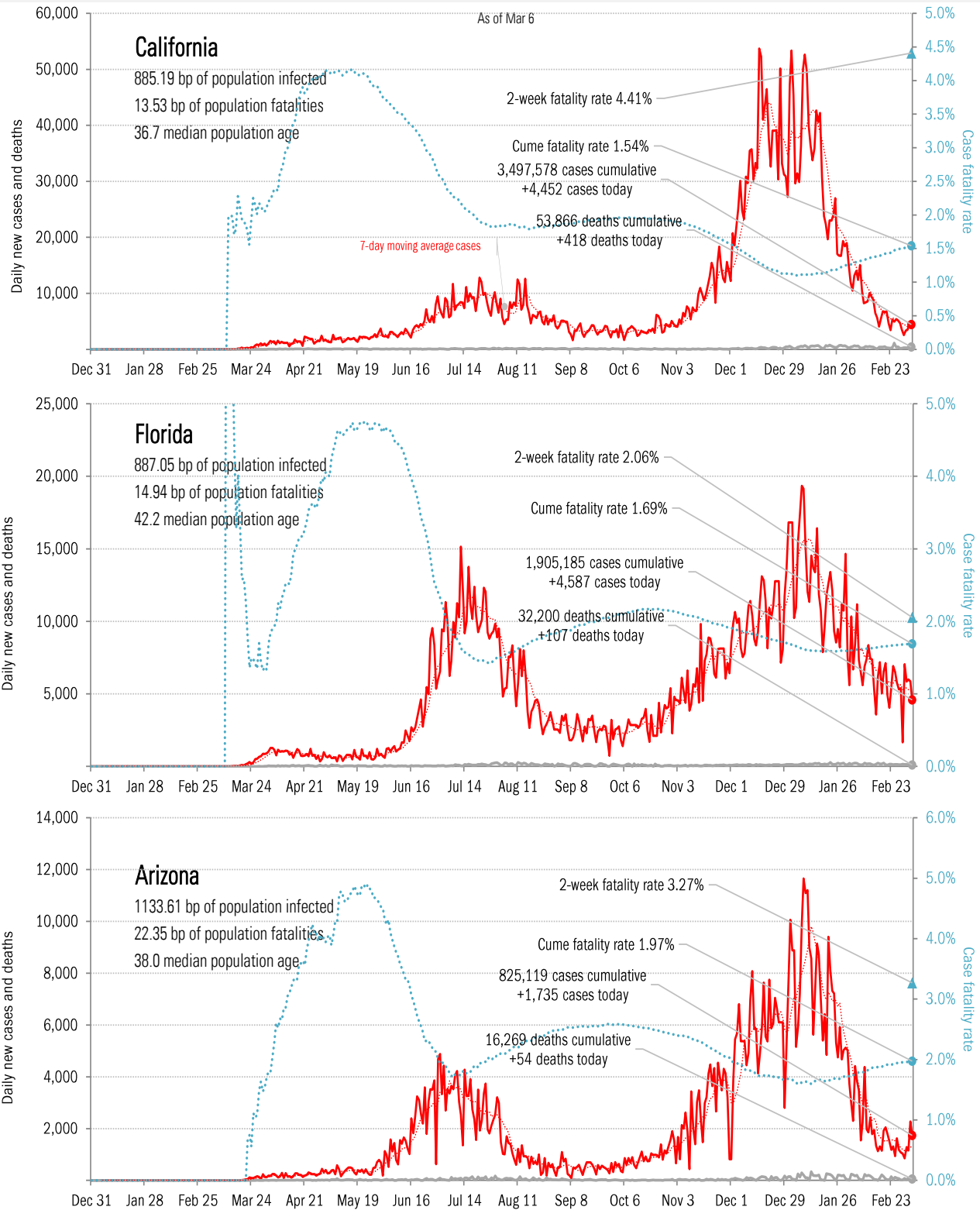
Source: [Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



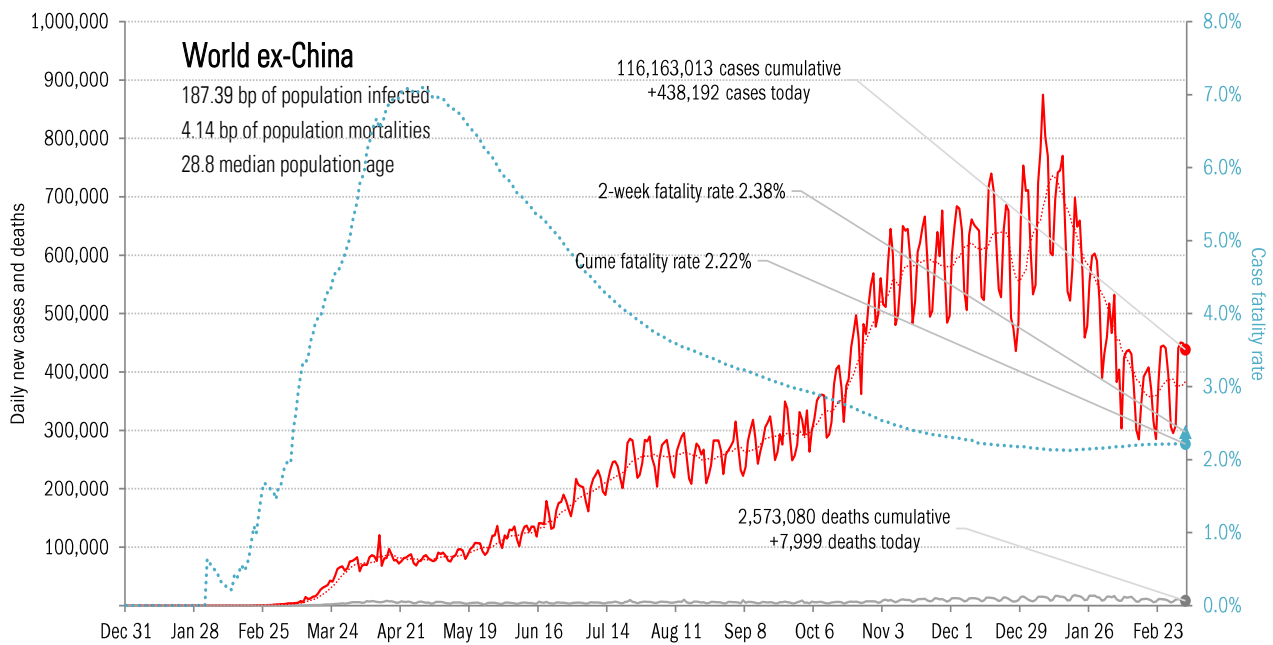
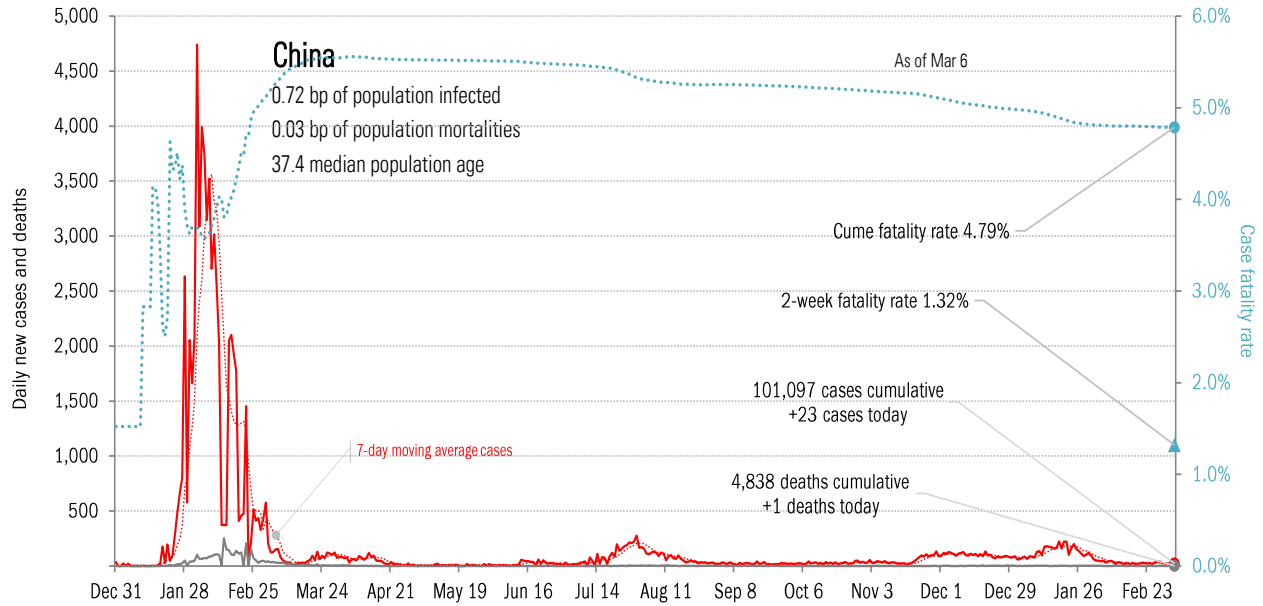
Source: [Covid Tracking Project](#), TrendMacro calculations

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



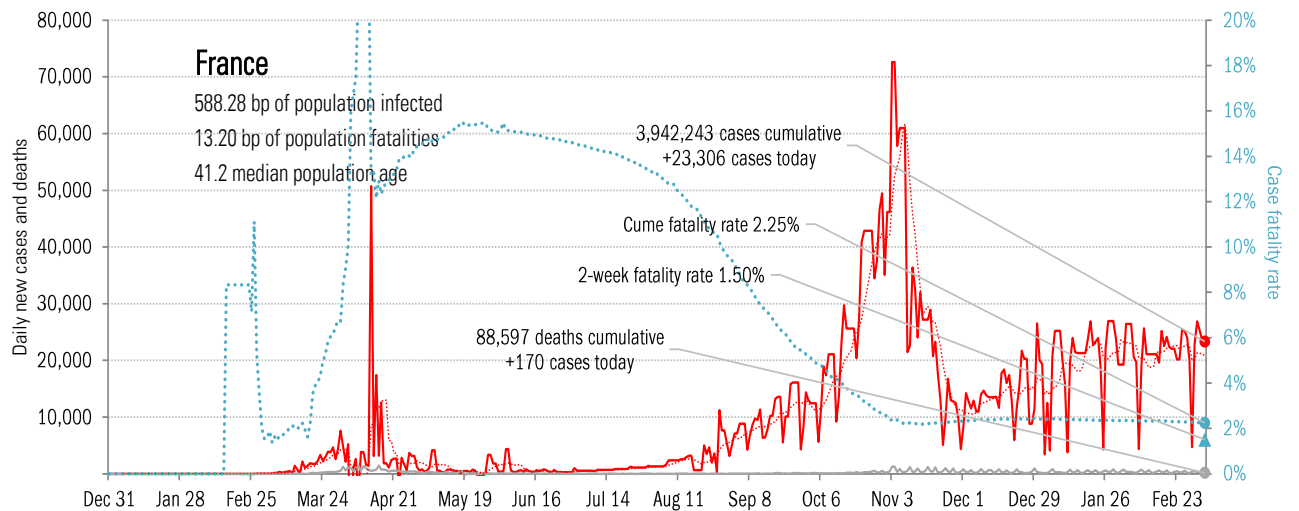
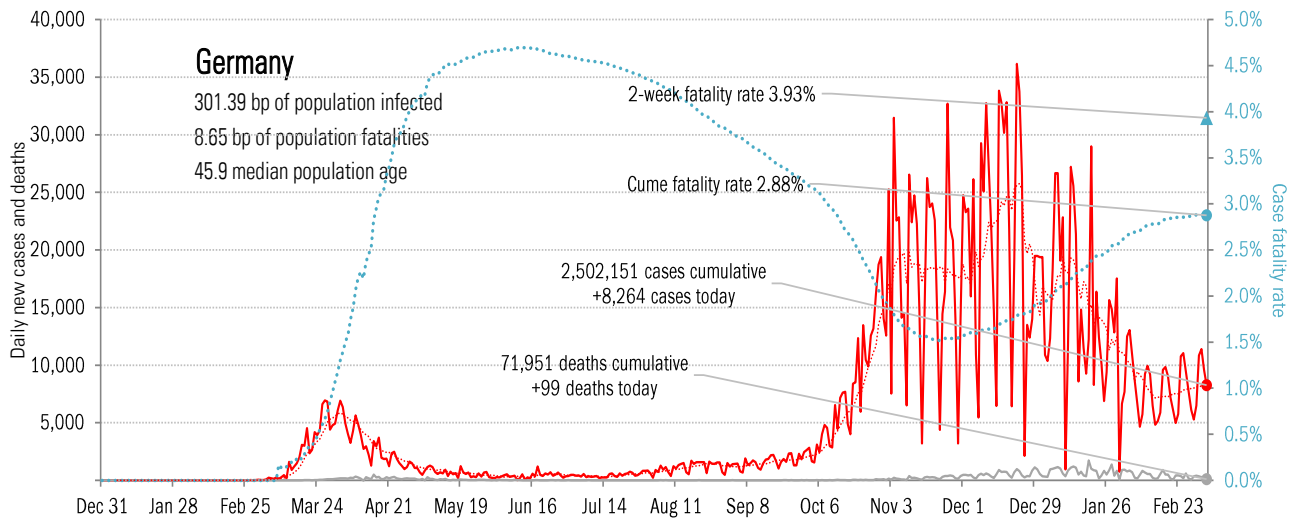
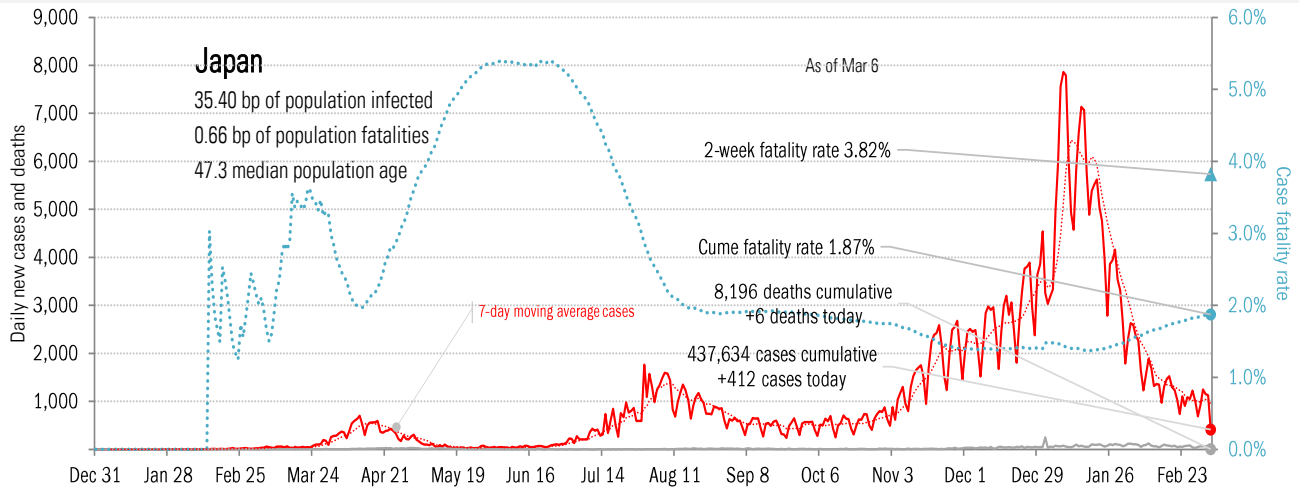
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



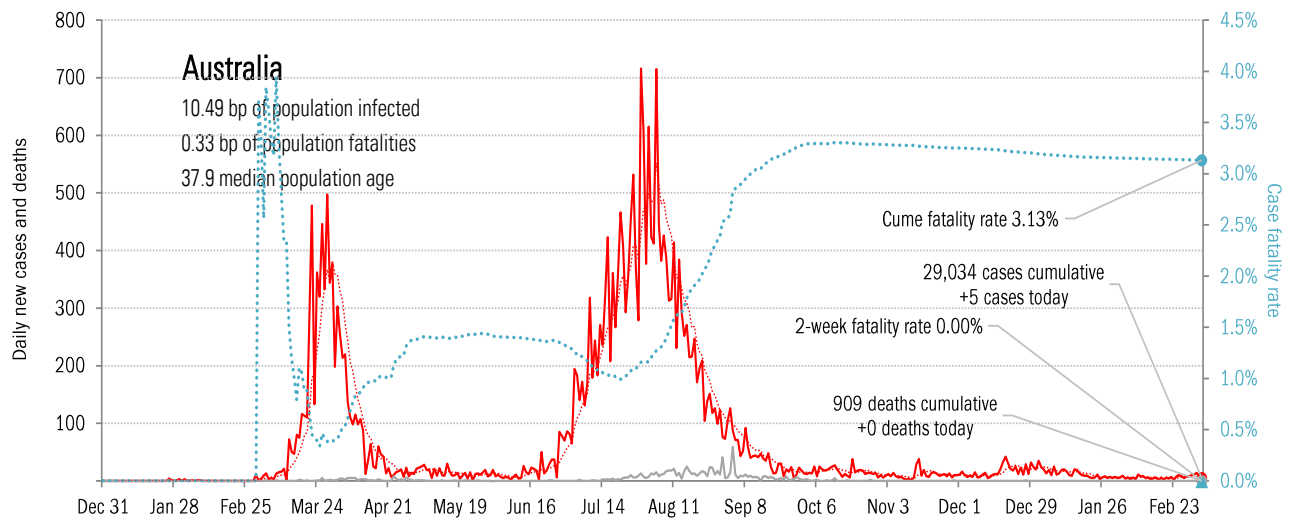
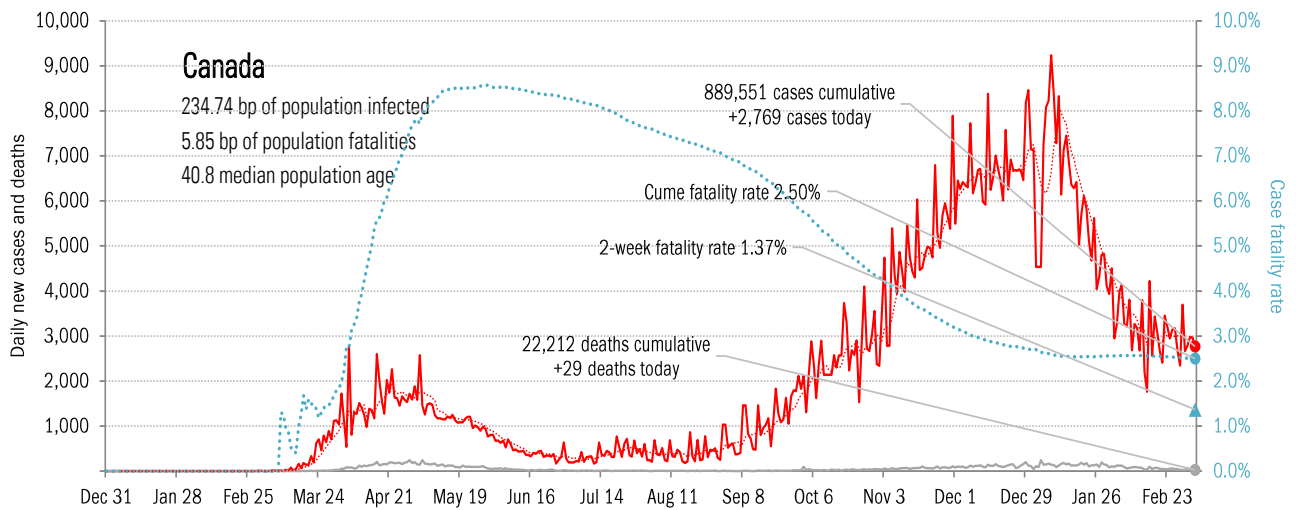
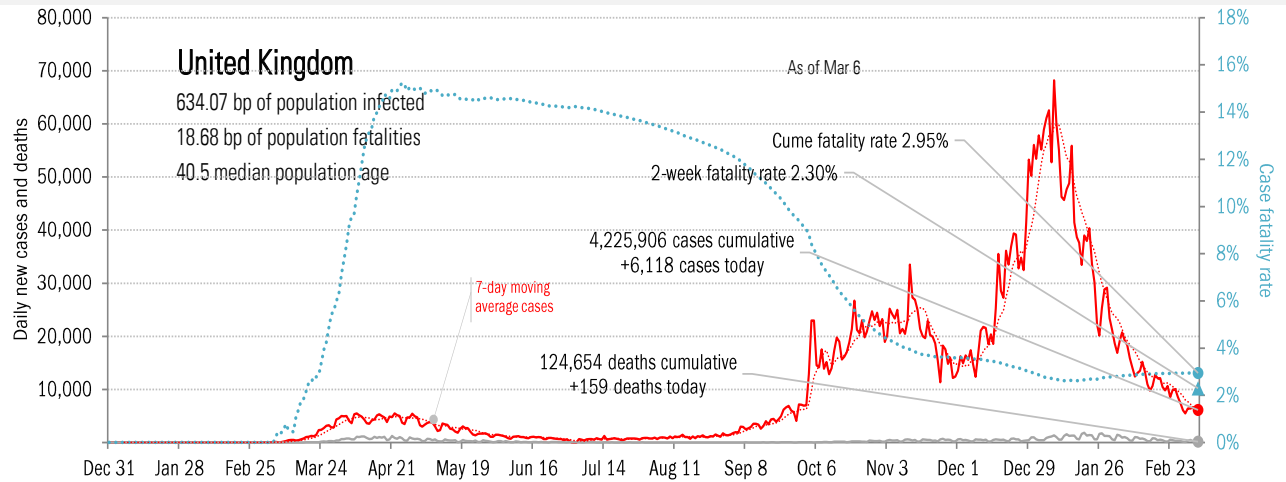
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

# Impact in the largest economies



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

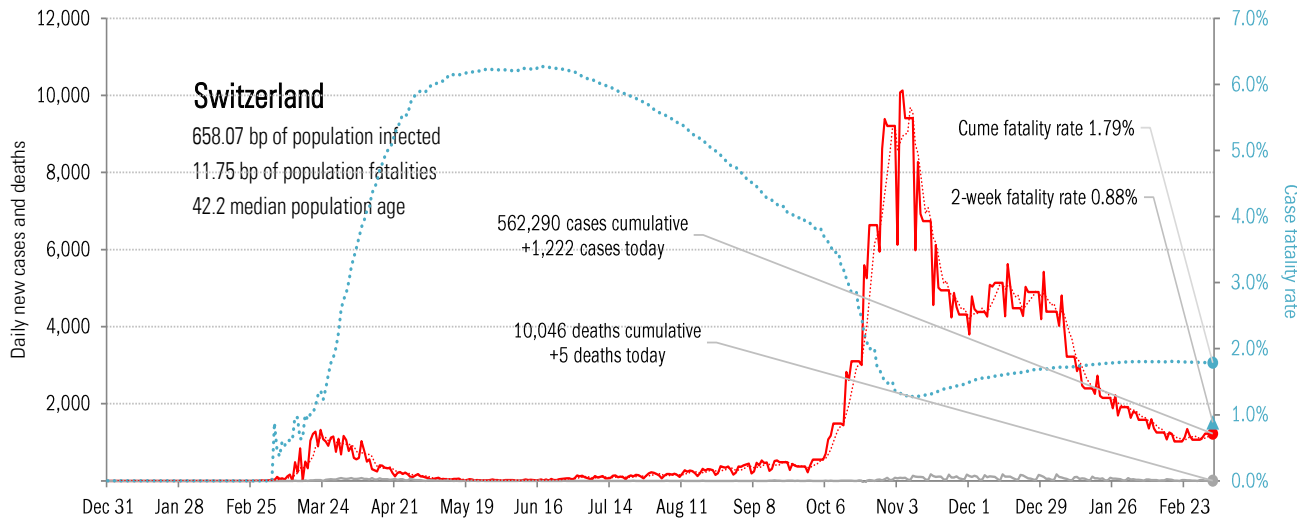
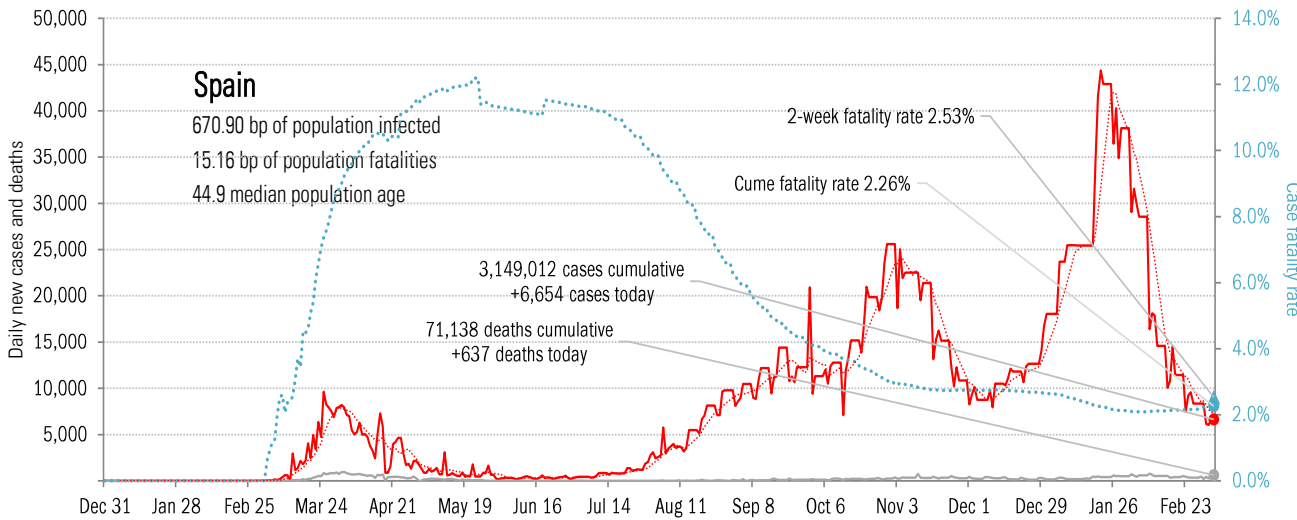
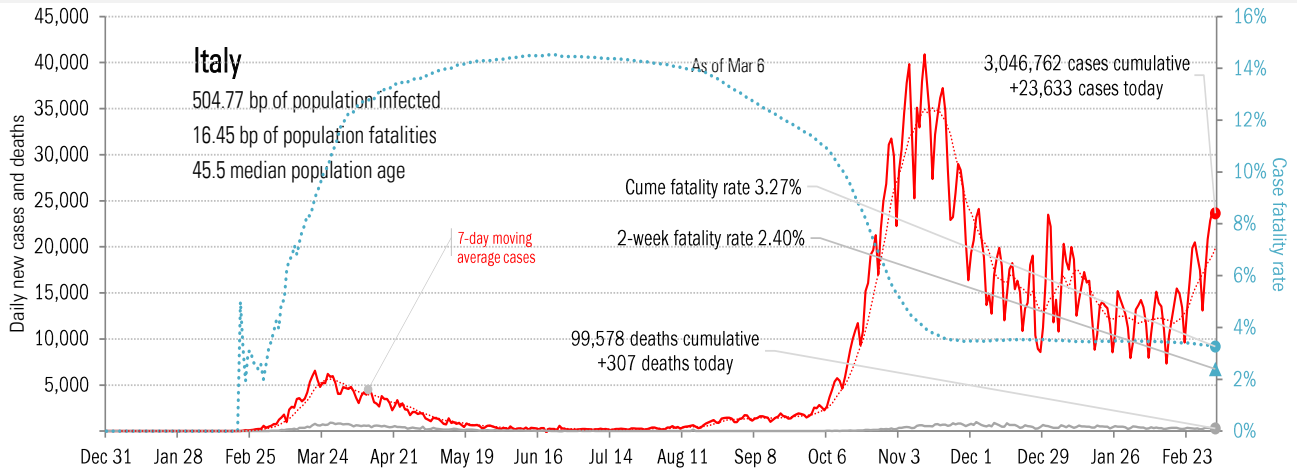
# Impact in The Anglosphere



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

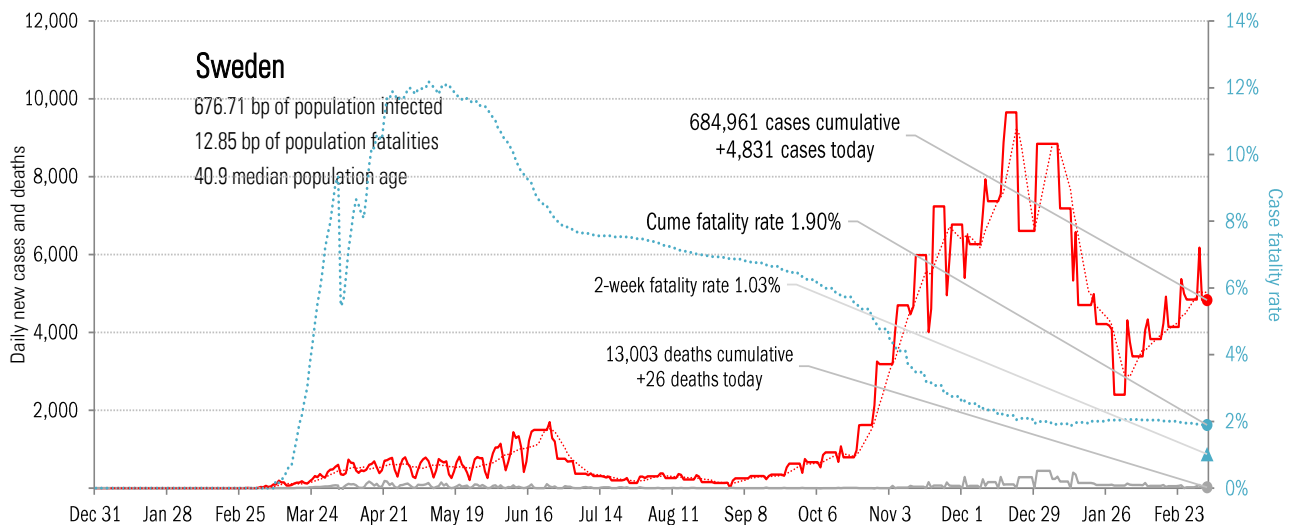
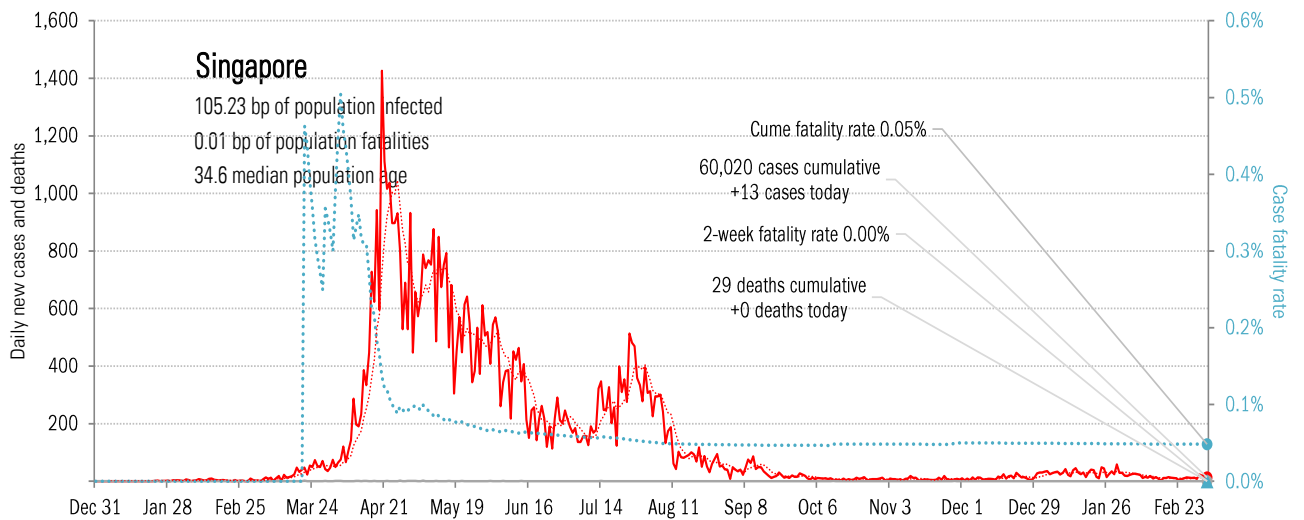
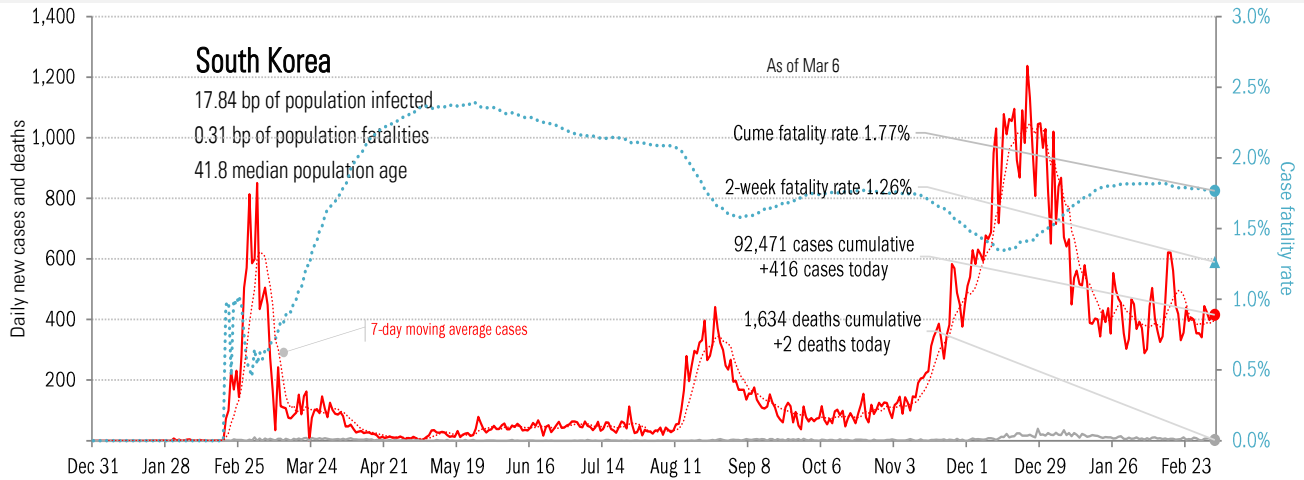


# Impact in continental Europe



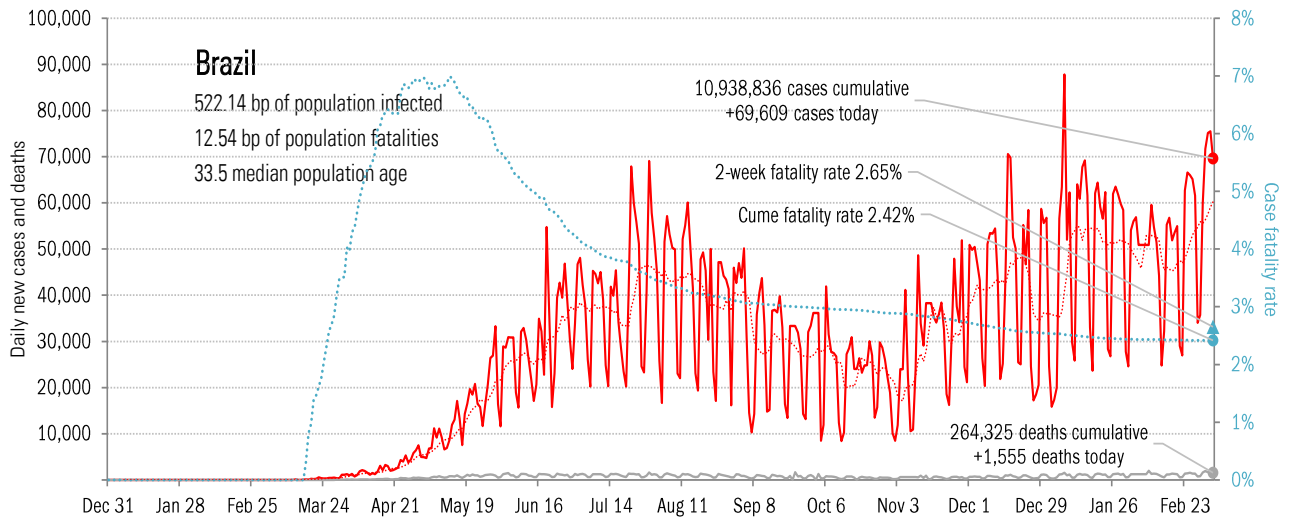
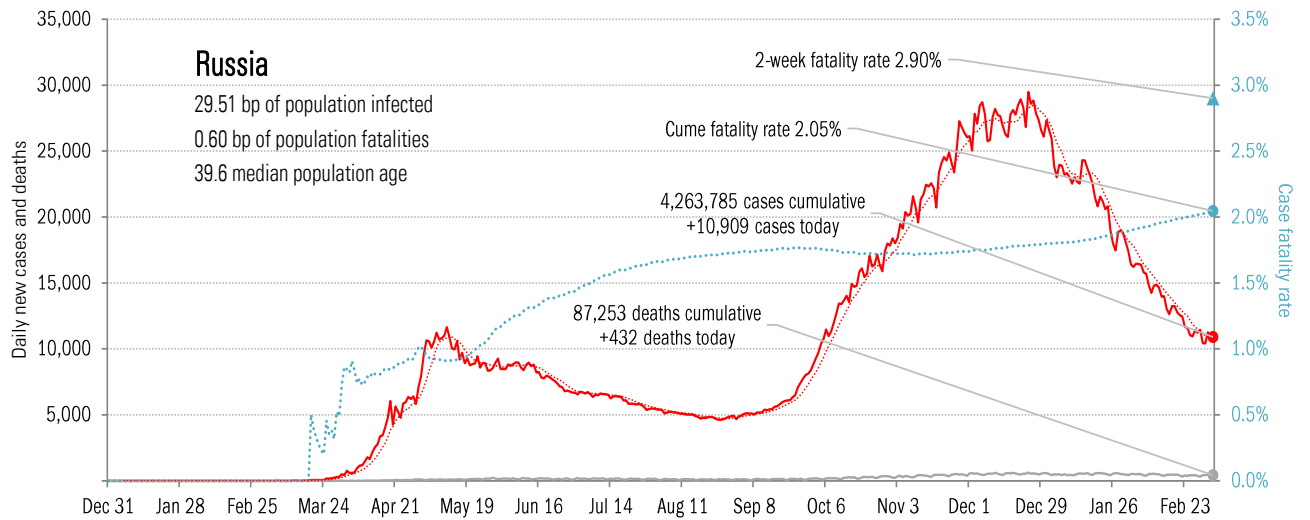
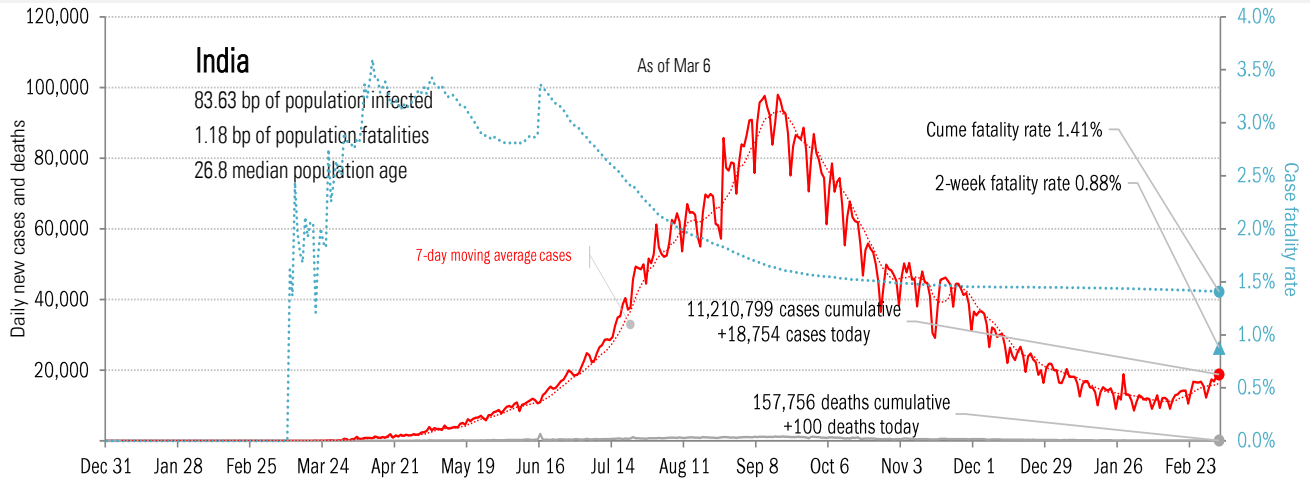
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



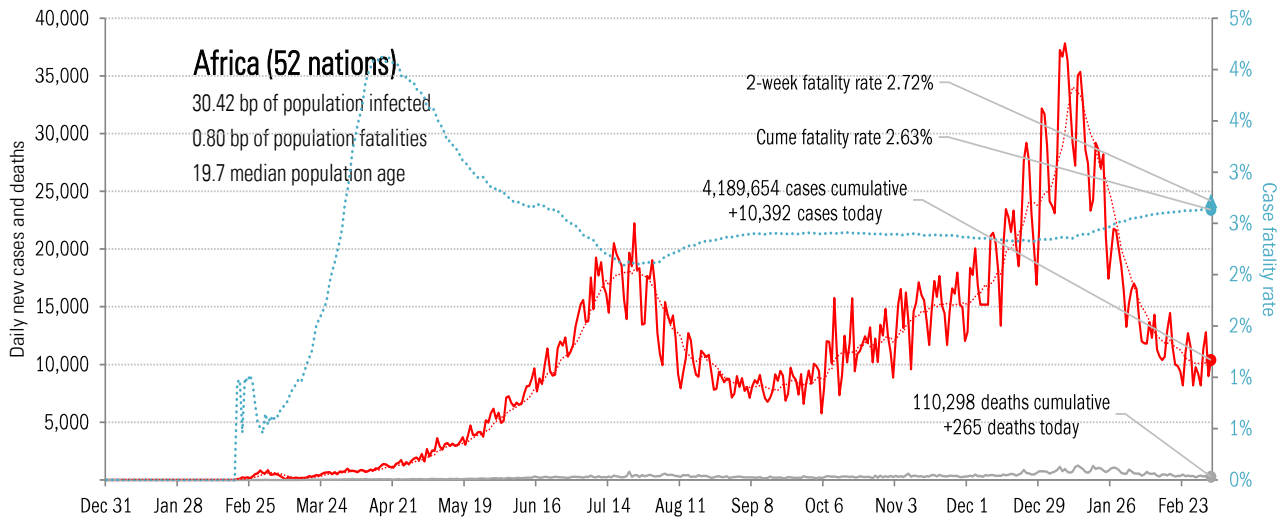
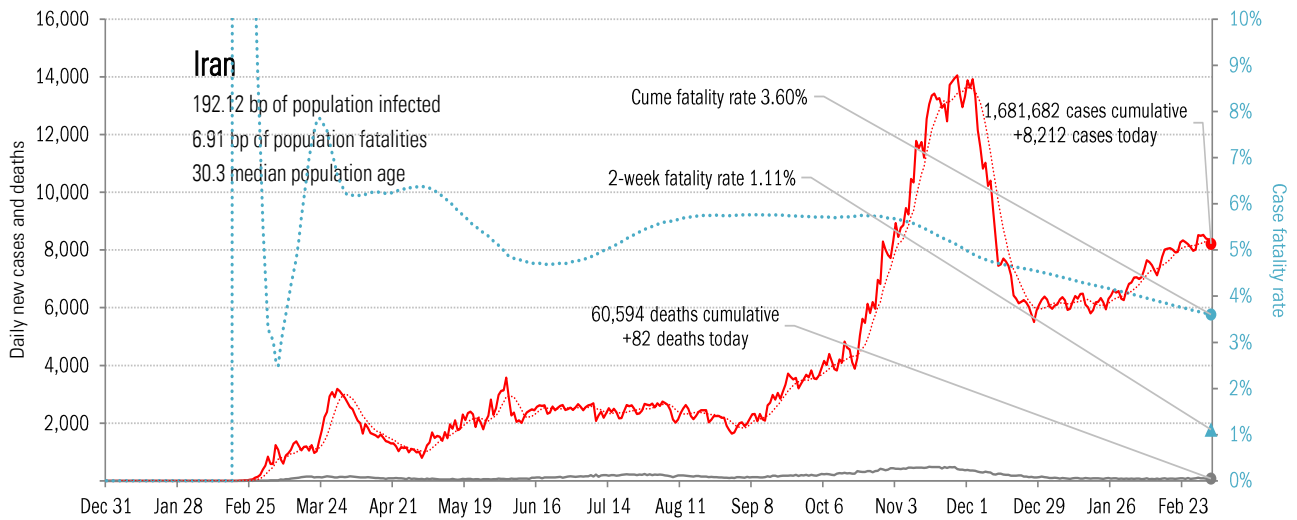
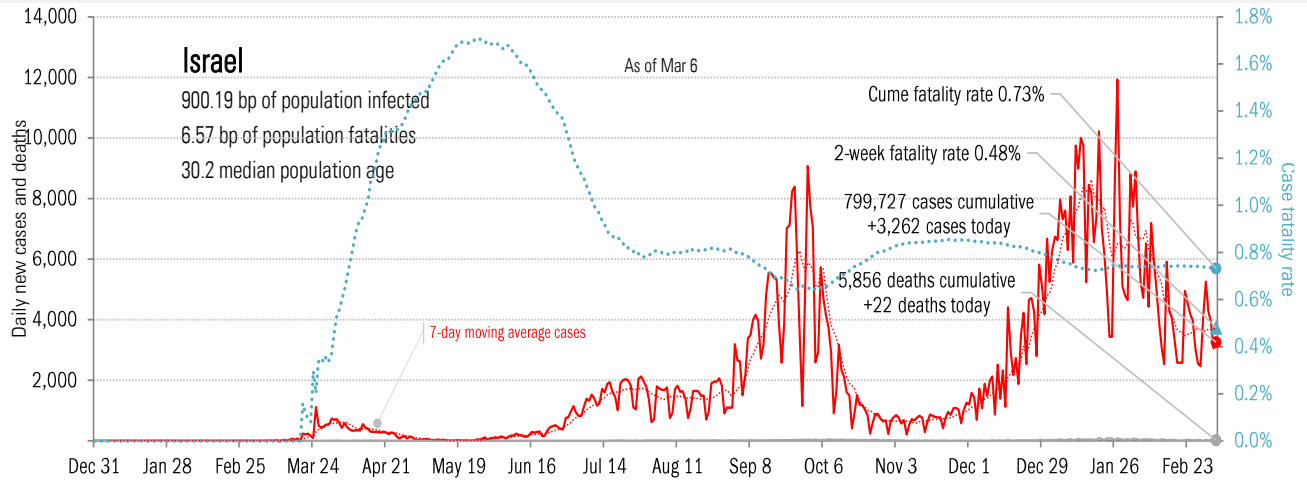
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



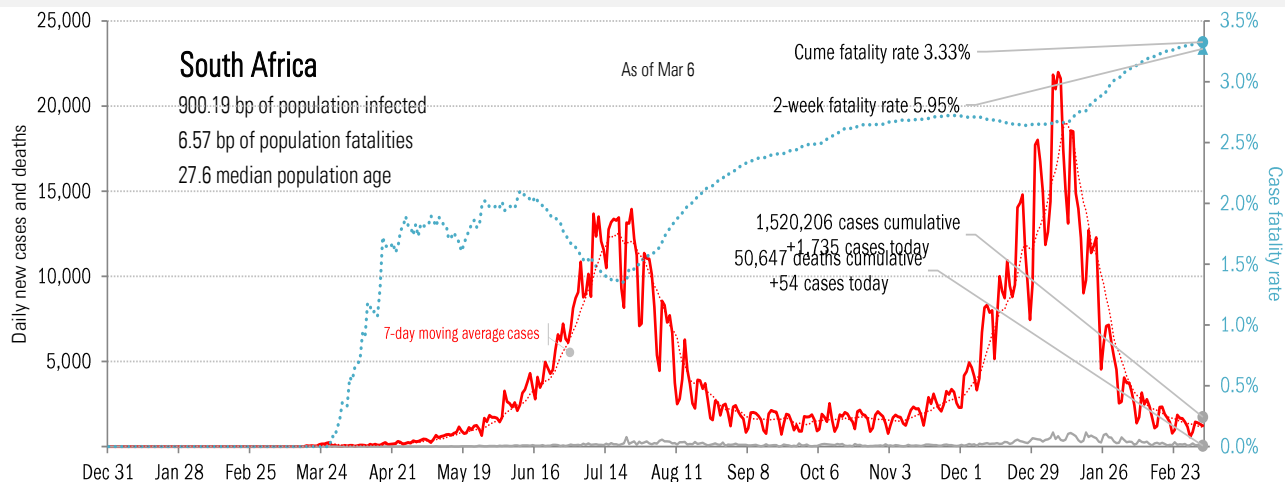
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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