

Data Insights: Covid-2019 Monitor

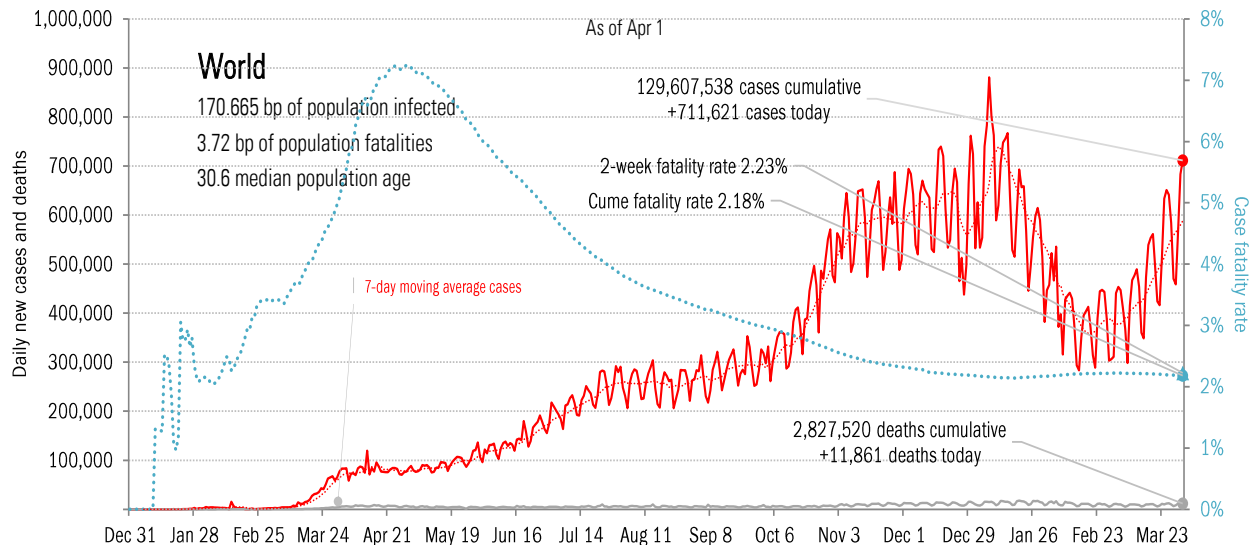
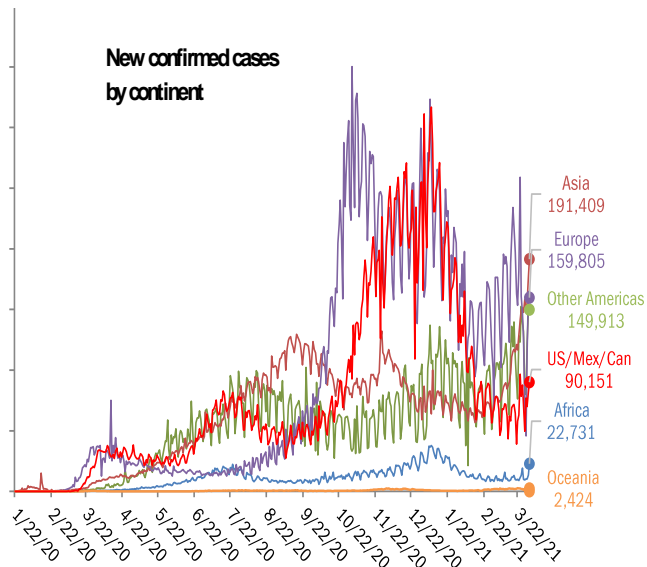
Friday, April 2, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+91,097	Brazil	+3,769
India	+81,466	United States	+1,064
United States	+79,029	Poland	+620
France	+50,711	Italy	+501
Turkey	+40,806	India	+469
Poland	+35,253	Mexico	+454
Germany	+22,679	Ukraine	+429
Italy	+22,184	Russia	+375
Ukraine	+17,681	France	+308
Argentina	+14,430	Hungary	+258
+455,336		+8,247	
World	+711,621	World	+11,861
Top ten	64%	Top ten	70%

New confirmed cases by continent



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

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The US scorecard

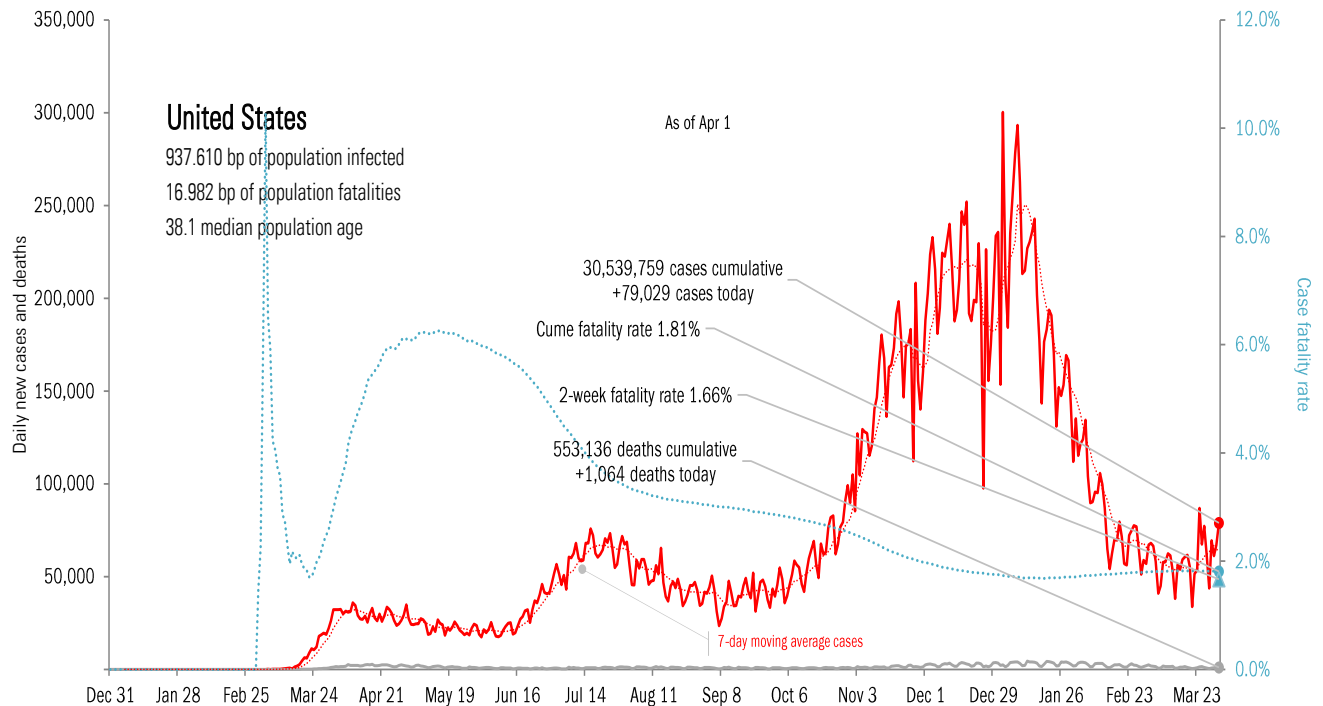
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	+9,170		TX	+243		FL	+95		CA	3,671,349		CA	59,411		TX	225,358		R	94%	MD	20%
MI	+7,098		CA	+137		MI	+84		TX	2,797,010		NY	50,375		CA	221,896		MA	83%	NY	19%
FL	+6,790		NY	+76		NY	+74		FL	2,064,525		TX	48,495		FL	150,903		MD	82%	MI	16%
NJ	+5,606		FL	+69		MD	+39		NY	1,882,308		FL	33,494		NY	113,540		CT	81%	ID	14%
TX	+5,100		GA	+64		CH	+37		IL	1,248,021		PA	25,111		GA	94,220		PA	79%	MS	14%
PA	+3,864		MI	+55		GA	+28		GA	1,060,973		NJ	24,591		CH	75,069		MI	79%	TX	14%
IL	+3,522		PA	+37		NJ	+26		PA	1,031,542		IL	23,601		PA	73,163		MO	78%	GA	13%
MA	+2,759		MA	+32		CO	+20		CH	1,020,041		GA	19,119		KY	67,976		GA	78%	WV	13%
CA	+2,604		NJ	+30		IN	+20		NC	916,159		CH	18,609		IL	67,956		FL	78%	NJ	13%
CH	+2,475		SC	+28		TN	+19		NJ	914,422		MA	17,217		AZ	58,156		NC	77%	DC	12%
+48,988			+771			+442			16,606,350			320,023			1,148,237						
All states	+79,029		+1,064			+295			All states	30,539,759		553,136			2,041,448			All states	70%		67%
Top ten	62%		72%			150%			Top ten	54%		58%			56%			Median	70%		9%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
PA	-822	CK	-103	AL	-80	NJ	+79 bp
KS	-475	NJ	-45	PA	-75	WY	+68 bp
GA	-382	WV	-29	CA	-56	CK	+66 bp
AZ	-352	AL	-28	NC	-32	TX	+62 bp
CO	-159	FL	-18	MA	-25	MD	+61 bp



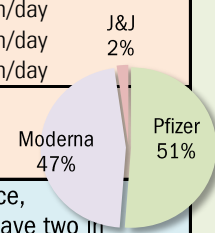
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
209.50 million doses distributed	+5.12 million/day	United States 16.8%
160.02 million doses administered	+3.46 million/day	United Kingdom 6.7%
103.08 million persons partially immunized	+2.01 million/day	France 4.2%
58.49 million persons fully immunized	+1.54 million/day	Spain 6.0%
7.73 million shots long-term care residents/staff	+0.00 million/day	Germany 5.0%
		Italy 5.4%
		Australia 0.6%
		Israel 55.5%
		Canada 1.8%
		Japan 0.1%
		Africa 0.3%
		India 0.7%
		Brazil 2.4%

76.4% of distributed doses administered
 30.9% of US pop partial
 100% of LTC partial

17.5% full immunity
 63.4% full immunity



At today's dosing pace, every American will have two in 143 days by Aug 22, 2021

US will achieve herd immunity in 50 days by May 20, 2021

State	Best
Doses distributed as % population	Best
Partial immunity as % population	Middle
Full immunity as % population	Worst

AK
84.2%
34.2%
22.6%

Global data differs due to sources

China NA	ME
	65.2%
	35.2%
	20.2%

WI	VT	NH
58.4%	69.4%	60.2%
32.5%	34.0%	36.8%
19.0%	19.2%	18.2%

WA	ID	MT	ND	MN	IL	MI	NY	MA
60.0%	54.7%	65.1%	62.8%	58.2%	61.3%	59.4%	62.6%	63.8%
30.3%	26.2%	31.2%	32.8%	31.9%	31.8%	29.2%	31.4%	34.9%
18.4%	16.8%	19.7%	20.6%	19.3%	16.9%	17.4%	17.3%	19.5%

OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
58.9%	56.4%	67.9%	72.2%	60.1%	53.3%	61.6%	60.7%	61.0%	69.7%	63.5%
28.7%	28.3%	27.8%	35.4%	31.3%	25.7%	29.6%	32.4%	34.1%	36.0%	33.2%
17.1%	16.3%	18.8%	22.9%	19.7%	17.0%	17.2%	17.2%	19.5%	20.9%	21.5%

CA	UT	CO	NE	MO	KY	WV	VA	MD	DE
61.5%	52.7%	60.1%	61.4%	58.3%	58.4%	64.3%	58.5%	61.3%	63.9%
31.3%	26.5%	30.5%	31.6%	25.9%	31.5%	30.6%	31.9%	31.8%	31.8%
16.4%	11.8%	17.9%	19.3%	15.5%	17.9%	19.4%	17.5%	17.8%	16.8%

AZ	NM	KS	AR	TN	NC	SC	DC
60.0%	70.9%	63.7%	60.1%	57.6%	59.5%	58.0%	74.5%
30.1%	38.7%	30.5%	26.6%	25.6%	29.3%	27.7%	28.1%
17.4%	24.0%	17.1%	14.3%	14.2%	16.9%	15.4%	14.2%

OK	LA	MS	AL	GA
69.5%	60.4%	59.7%	57.9%	57.5%
31.4%	26.6%	24.7%	24.2%	24.3%
18.5%	16.8%	15.2%	13.7%	12.5%

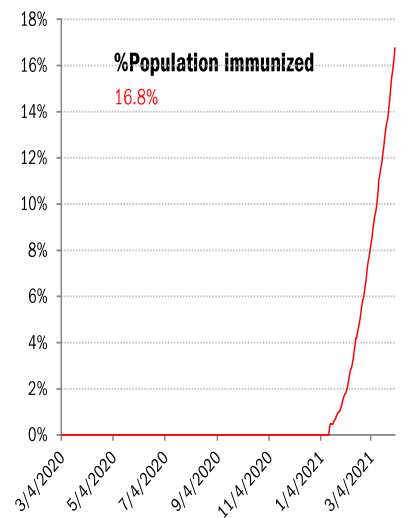
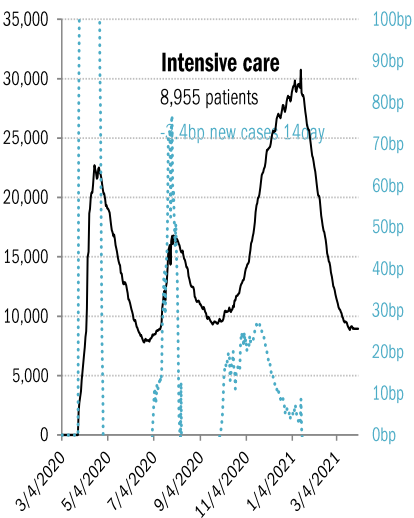
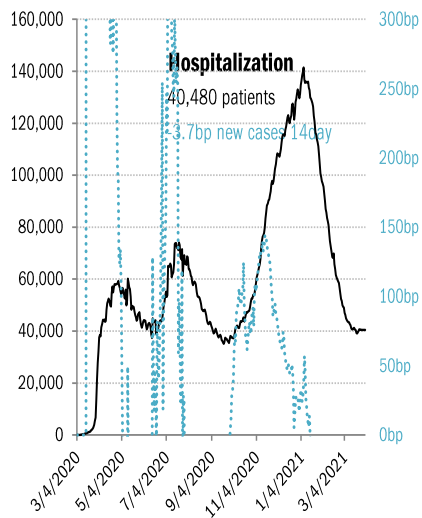
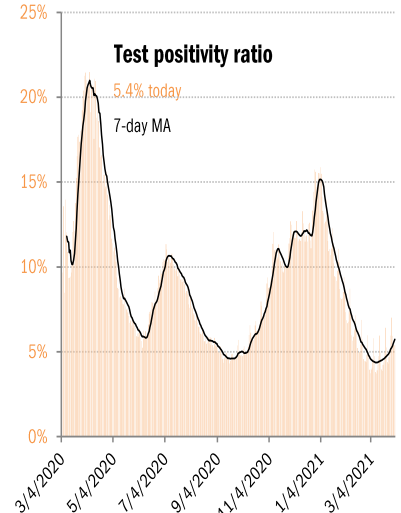
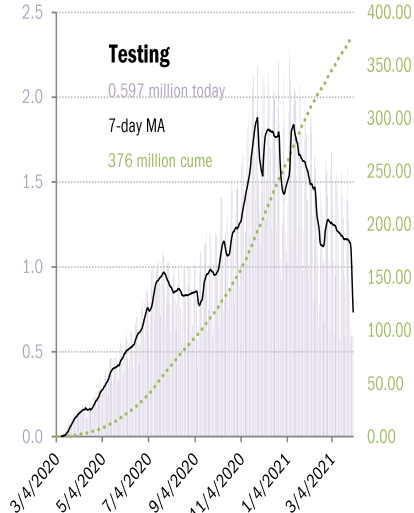
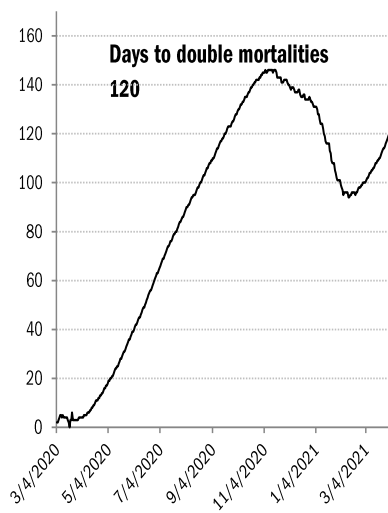
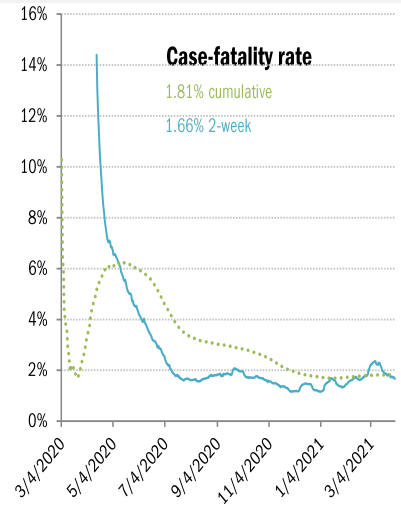
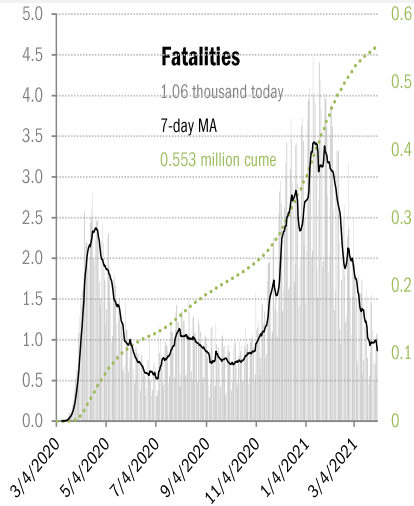
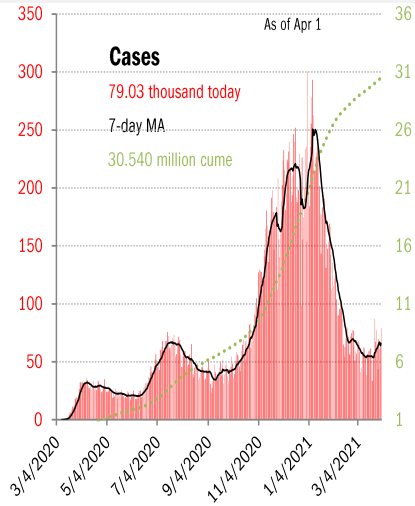
HI	TX	FL	PR
70.2%	56.3%	61.7%	64.8%
32.2%	26.4%	28.5%	22.7%
19.5%	14.3%	16.3%	13.0%

As of Apr 1

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

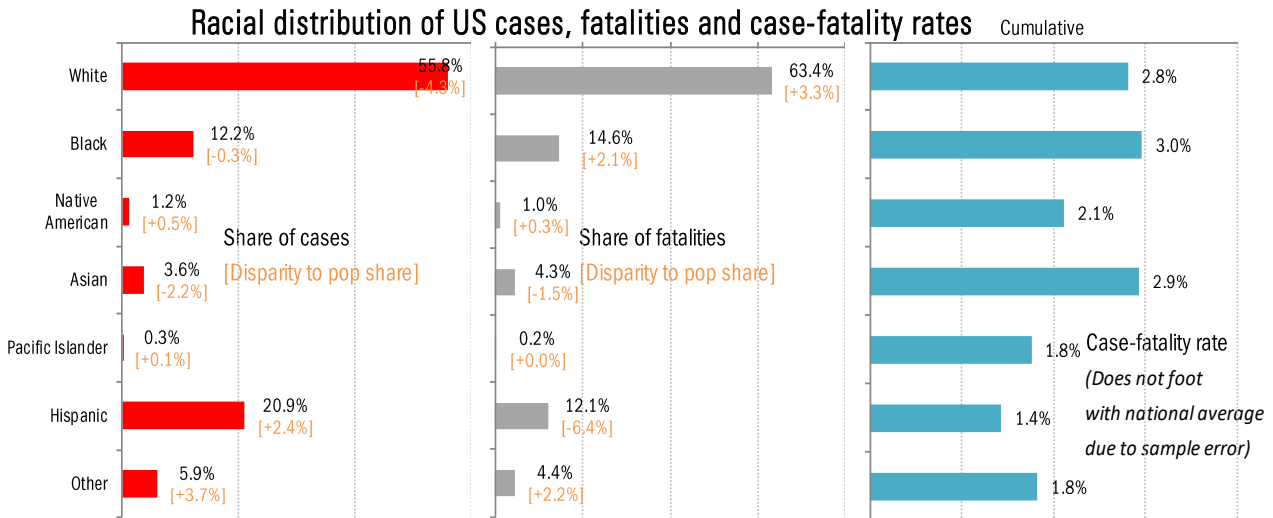
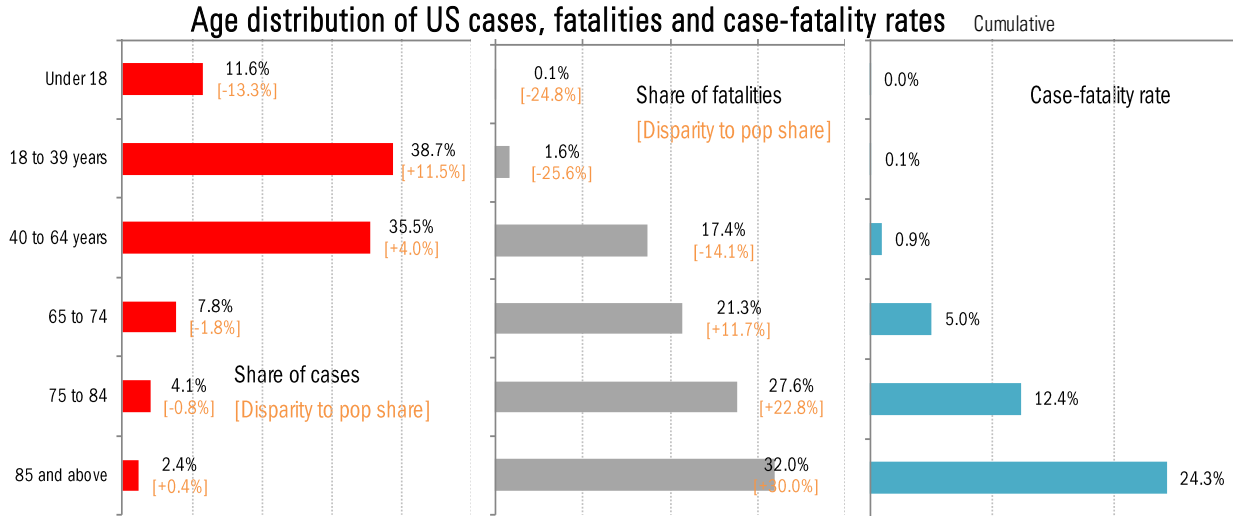
US deep-dive

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

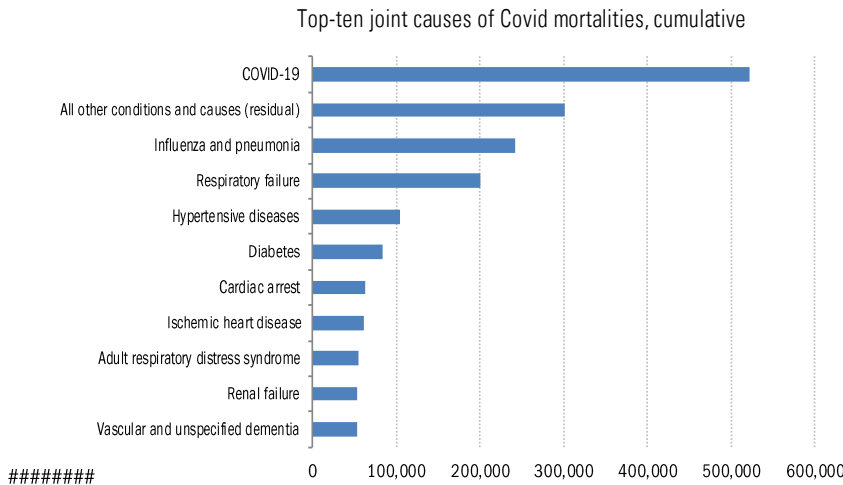


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

[A Man Found 15,000 Bees in His Car After Grocery Shopping](#)

Neil Vigdor
New York Times
April 1, 2021

[U.K. Vaccination Puts U.S. to Shame](#)

Marty Makary
Wall Street Journal
April 1, 2021

[As Virus and Economic Woes Ravage Brazil, Bolsonaro Improvises and Confounds](#)

Ernesto Londoño and Leticia Casado
New York Times
March 31, 2021

[As Nation Speeds to Vaccinate All, Maryland's Path Shows Challenges Ahead](#)

Jennifer Steinhauer and Abby Goodnough
New York Times
April 1, 2021

[This May Be the Most Important Summer for Education in America Since WWII. How to Help Young Students Get Back on Track](#)

Jenni Torres
The 74
March 31, 2021

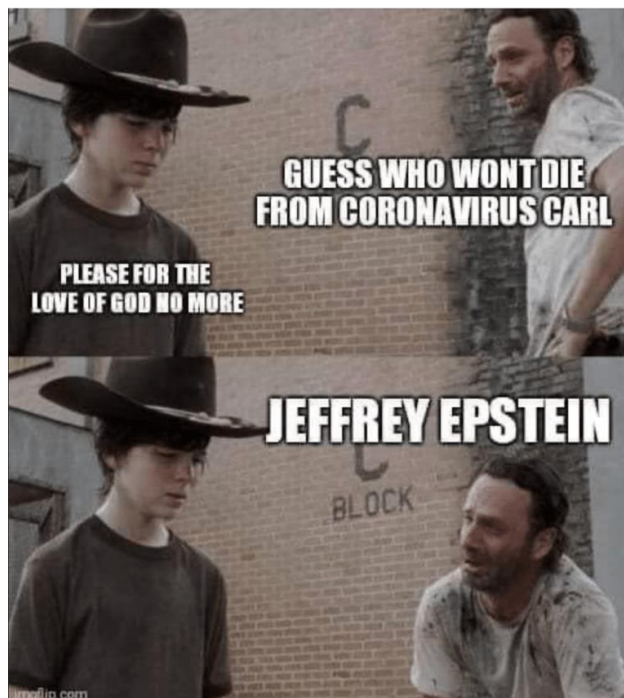
[In a Rebuke to Teachers Unions, School Choice Is Going Gangbusters in the States](#)

Lindsey M. Burke, Ph.D.
Heritage Foundation
March 30, 2021

[Supreme Court rules 4-3 Evers exceeded his authority with multiple COVID-19 public health emergencies](#)

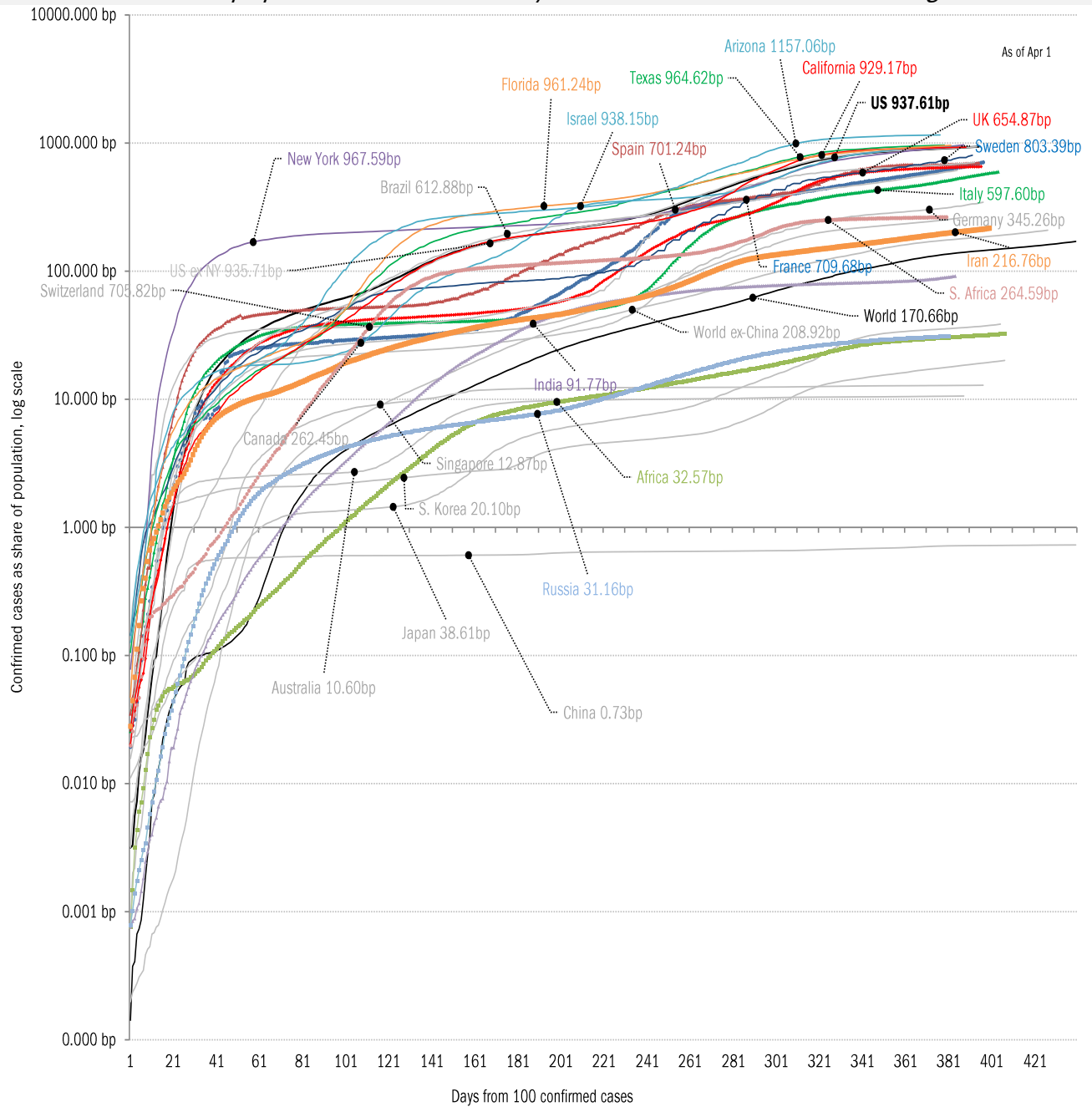
WisPolitics
March 31, 2021

Meme of day



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

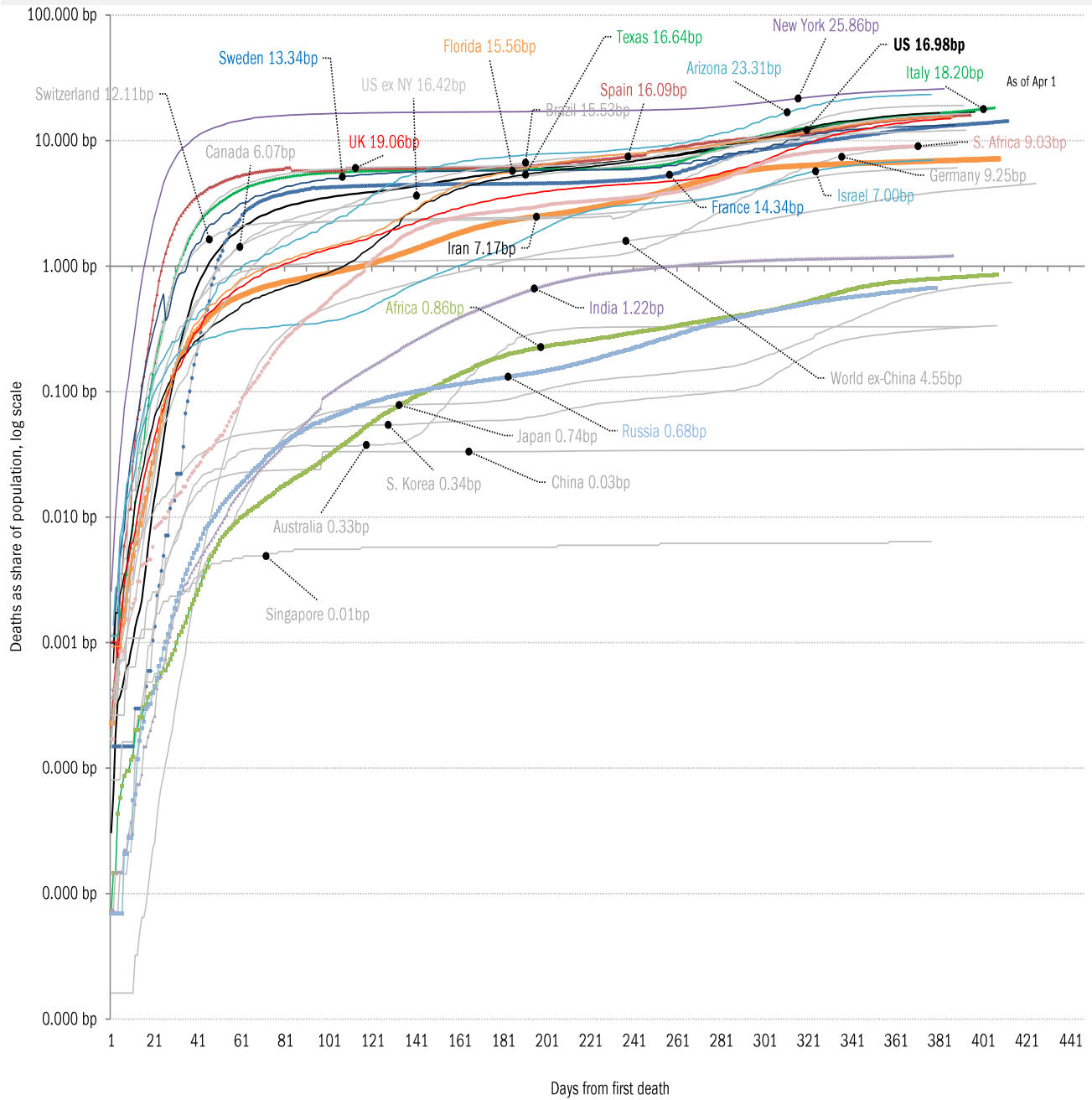
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

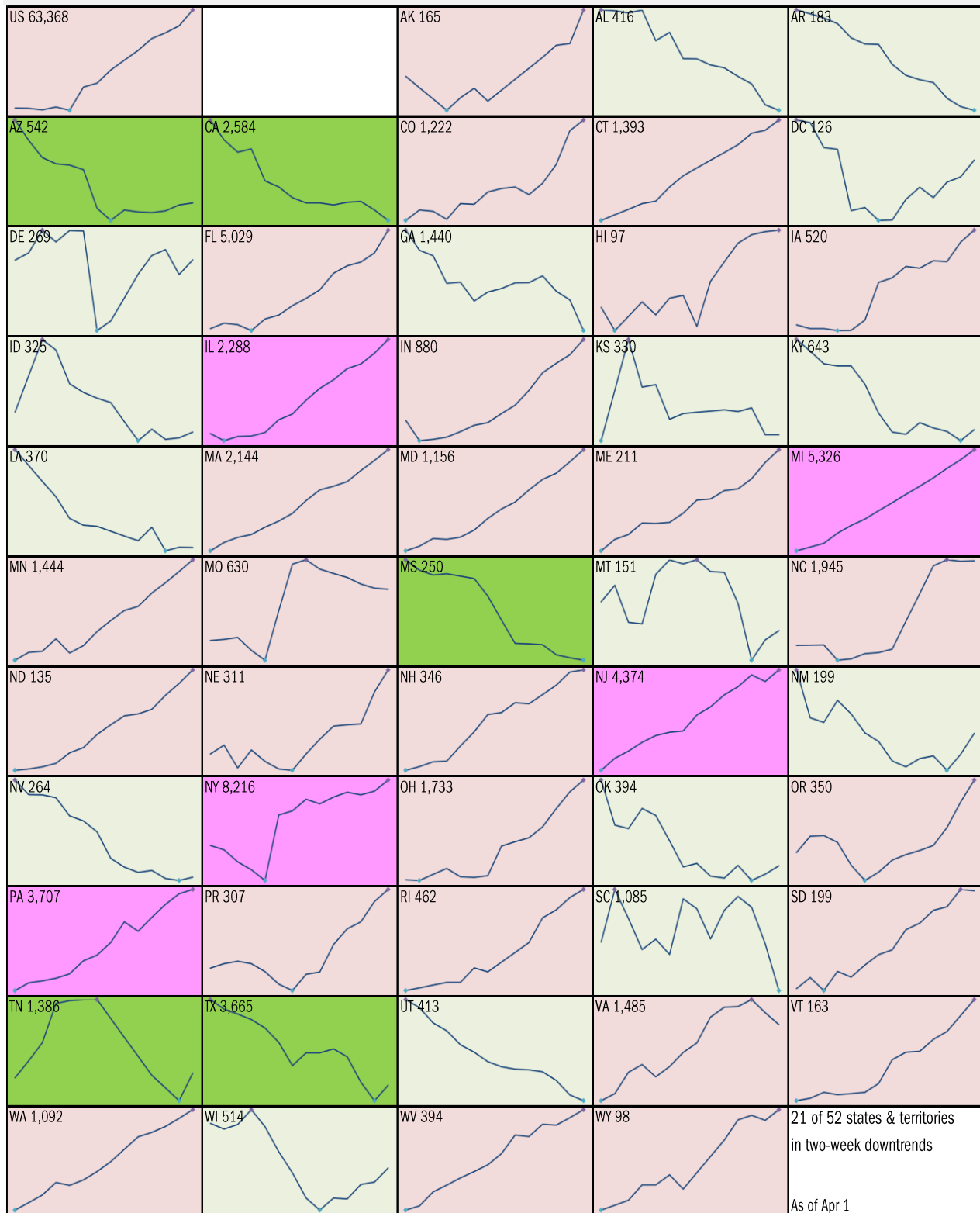


Source: [Johns Hopkins](#), TrendMacro calculations

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

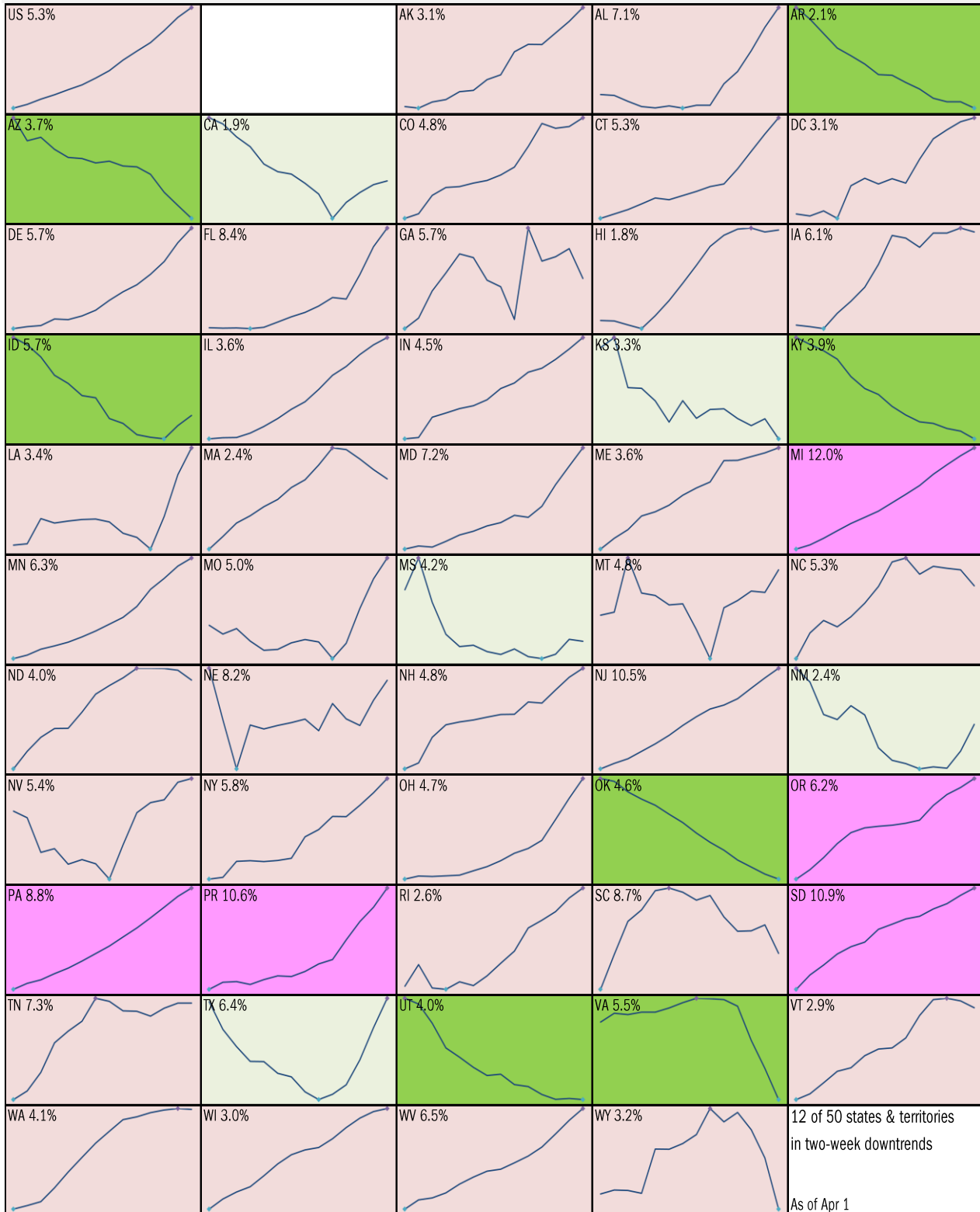


Source: [Johns Hopkins](#), TrendMacro calculations

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

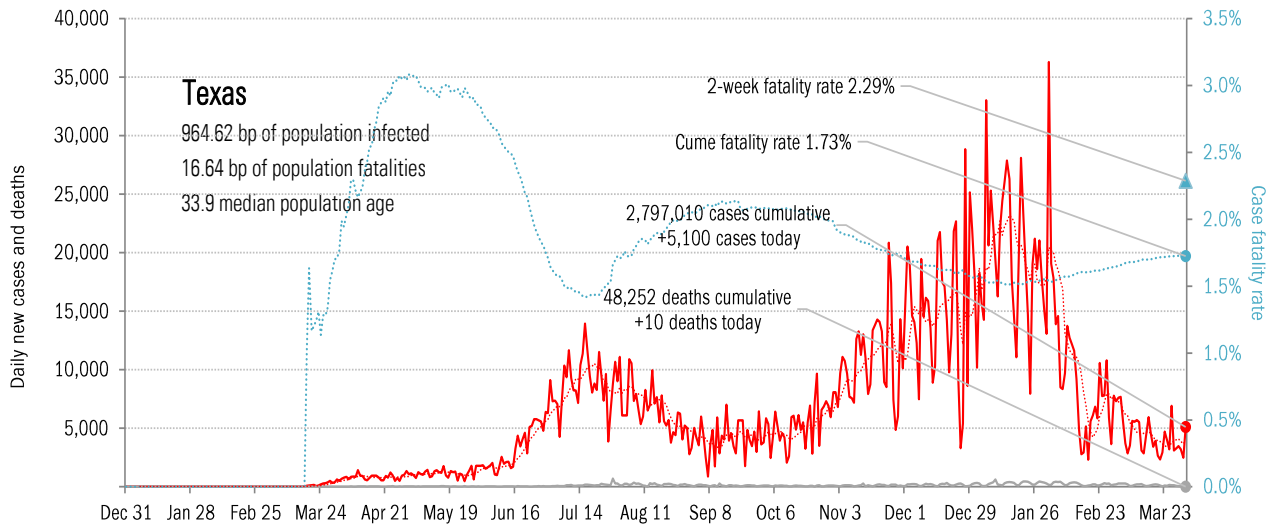
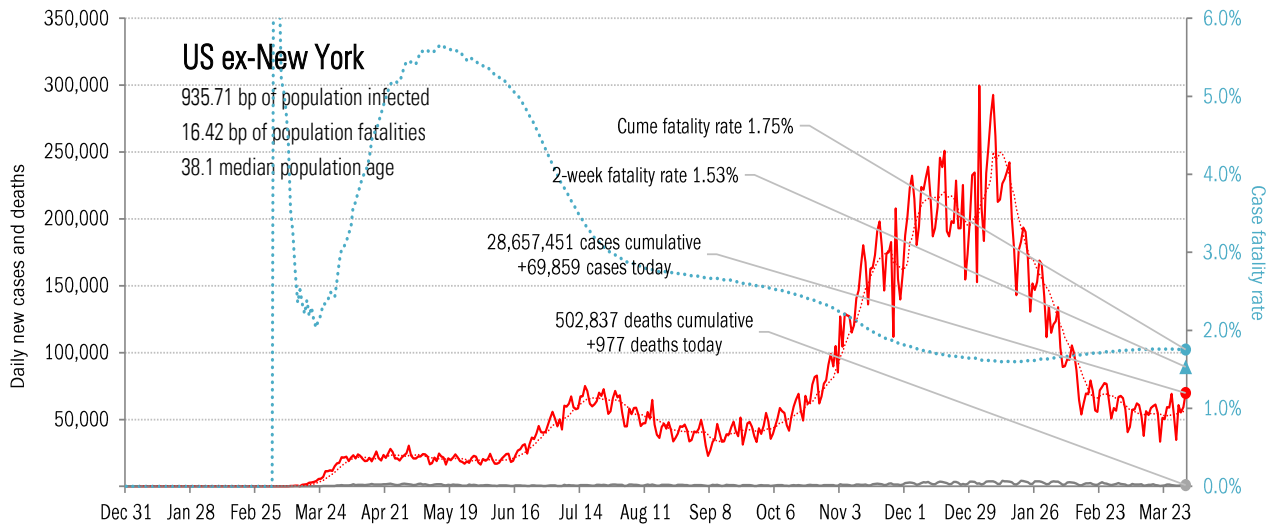
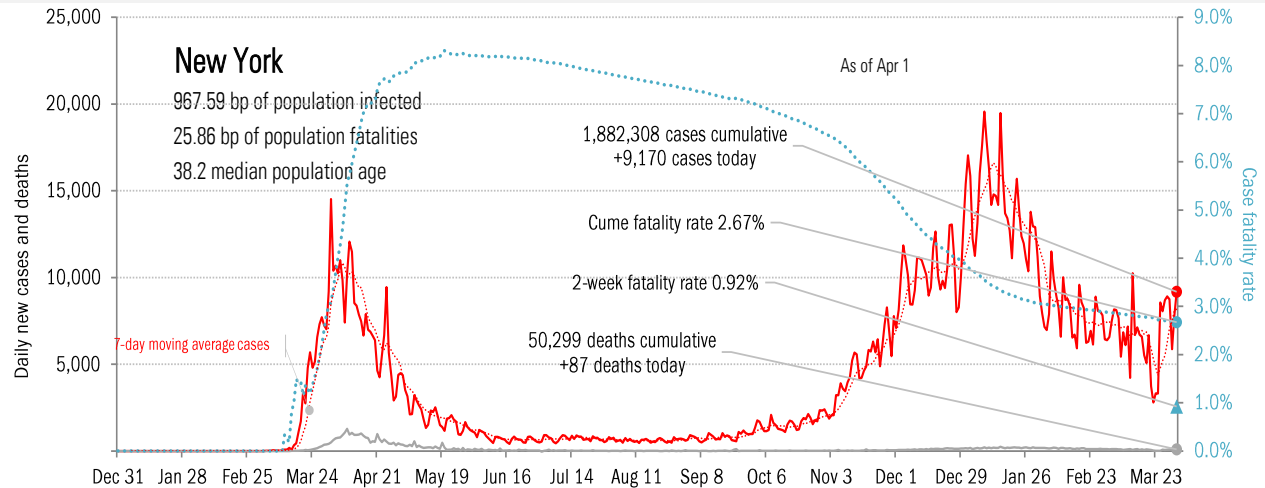
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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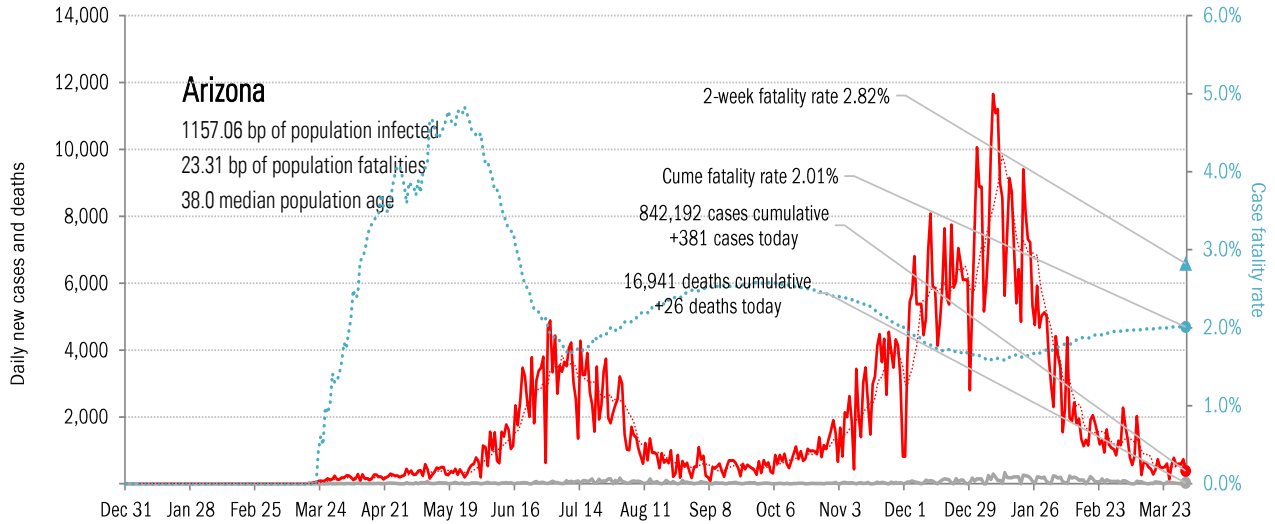
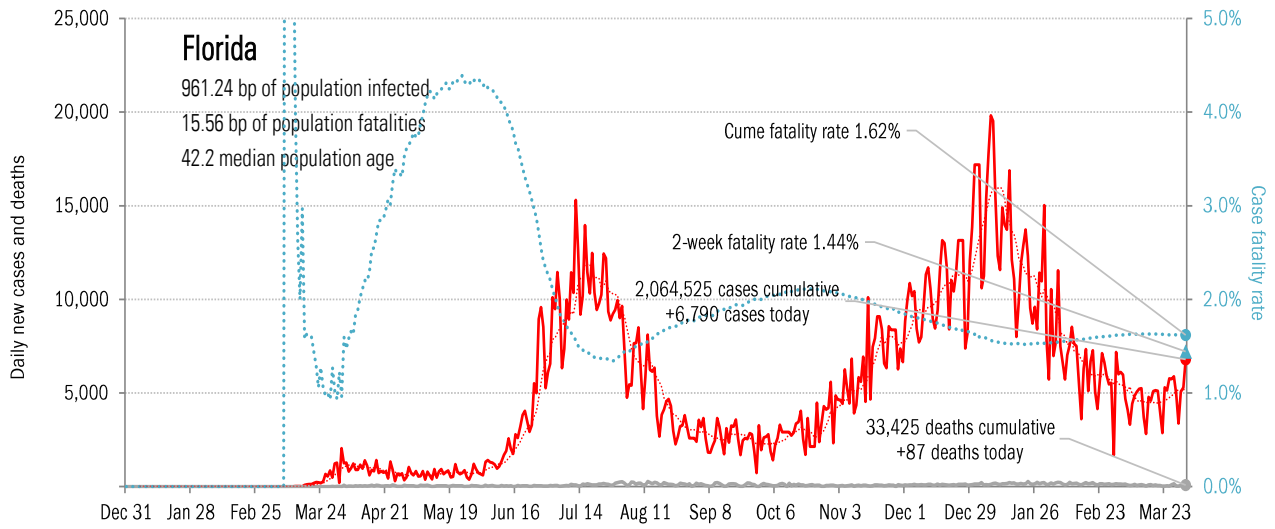
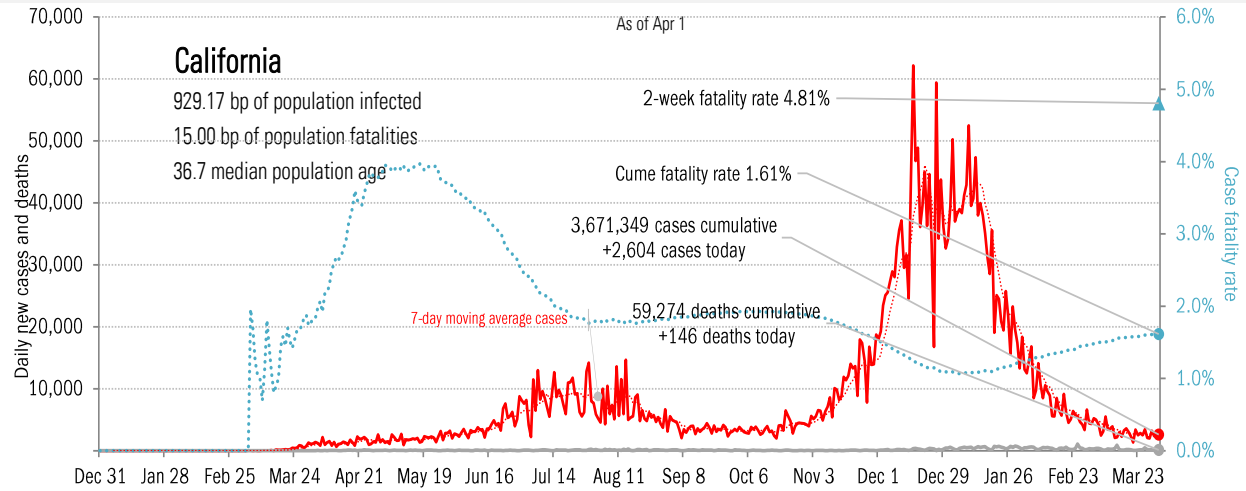
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



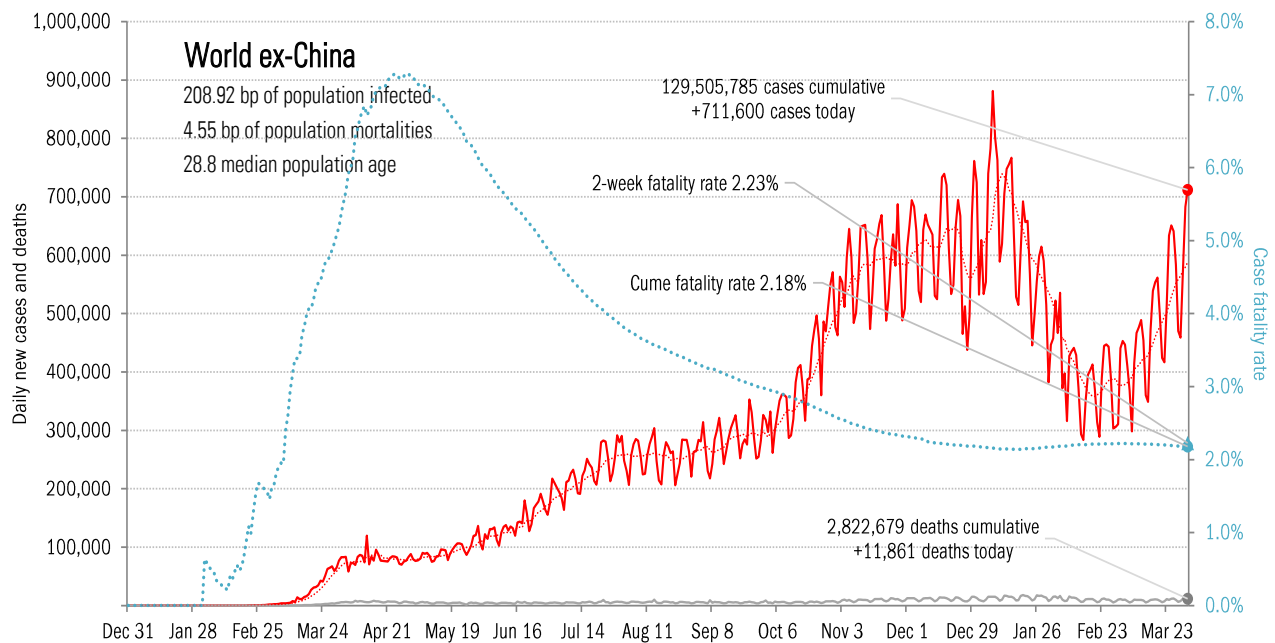
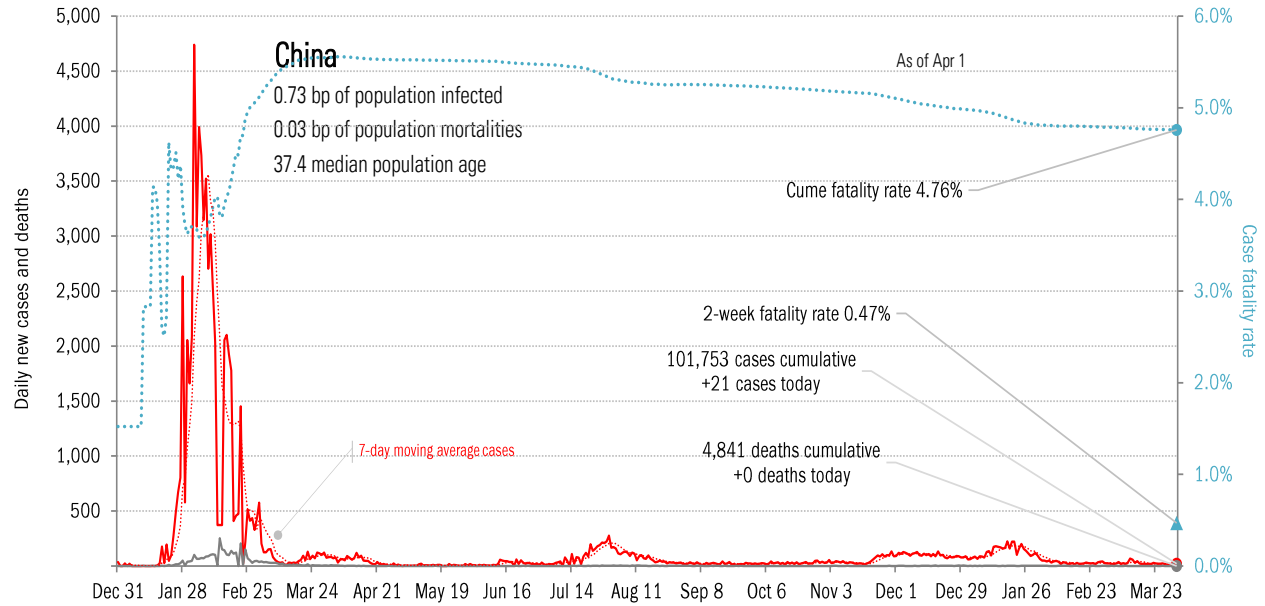
Source: [Johns Hopkins](#), TrendMacro calculations

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



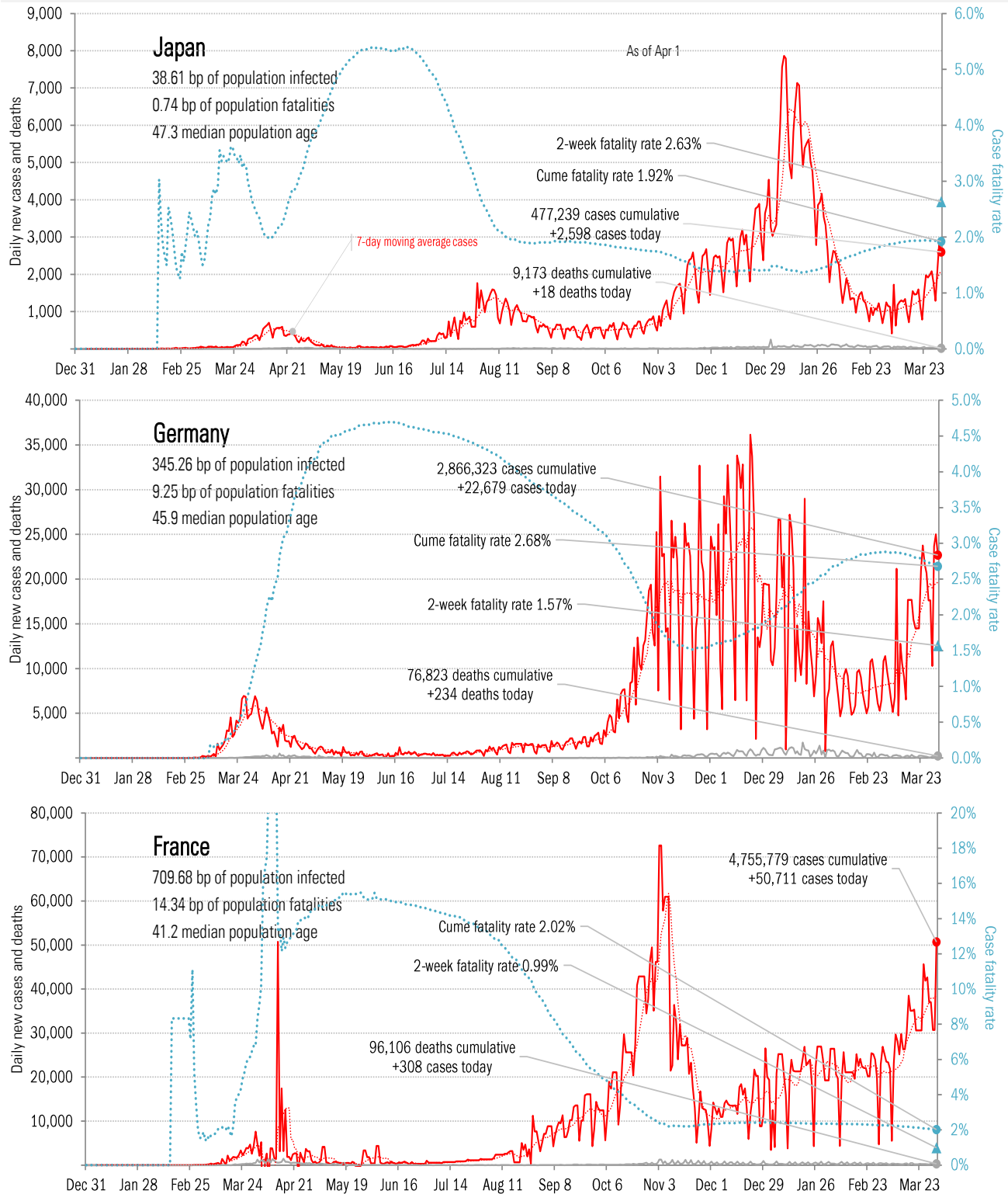
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



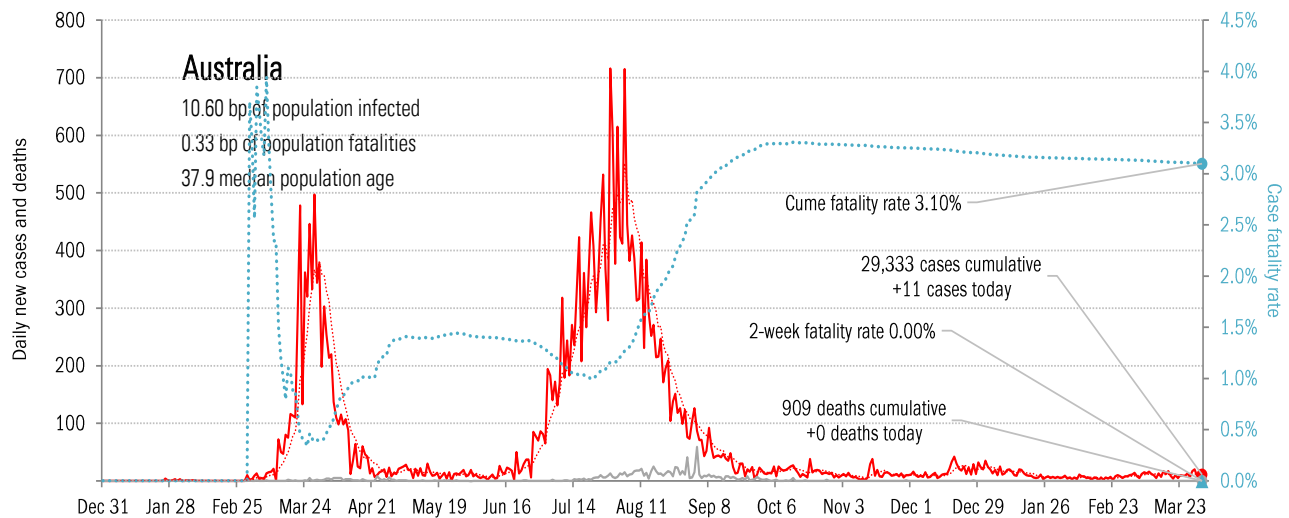
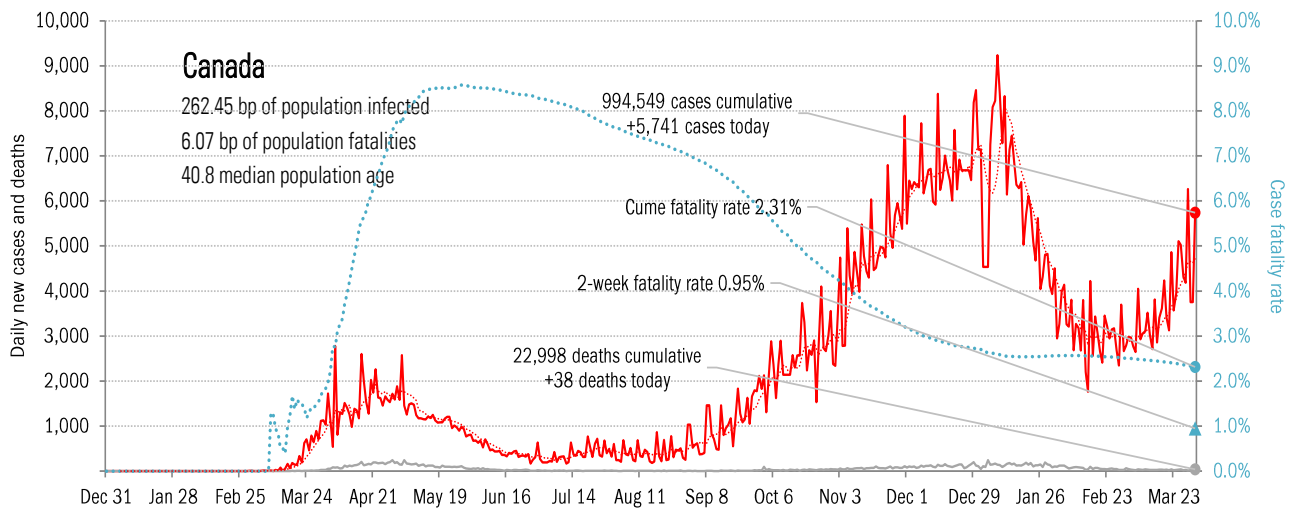
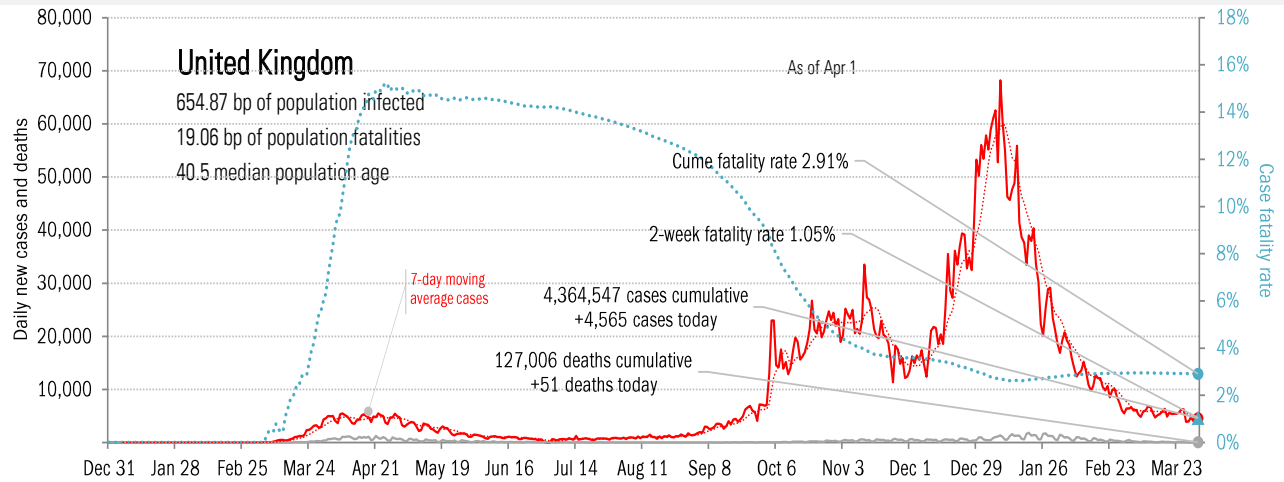
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



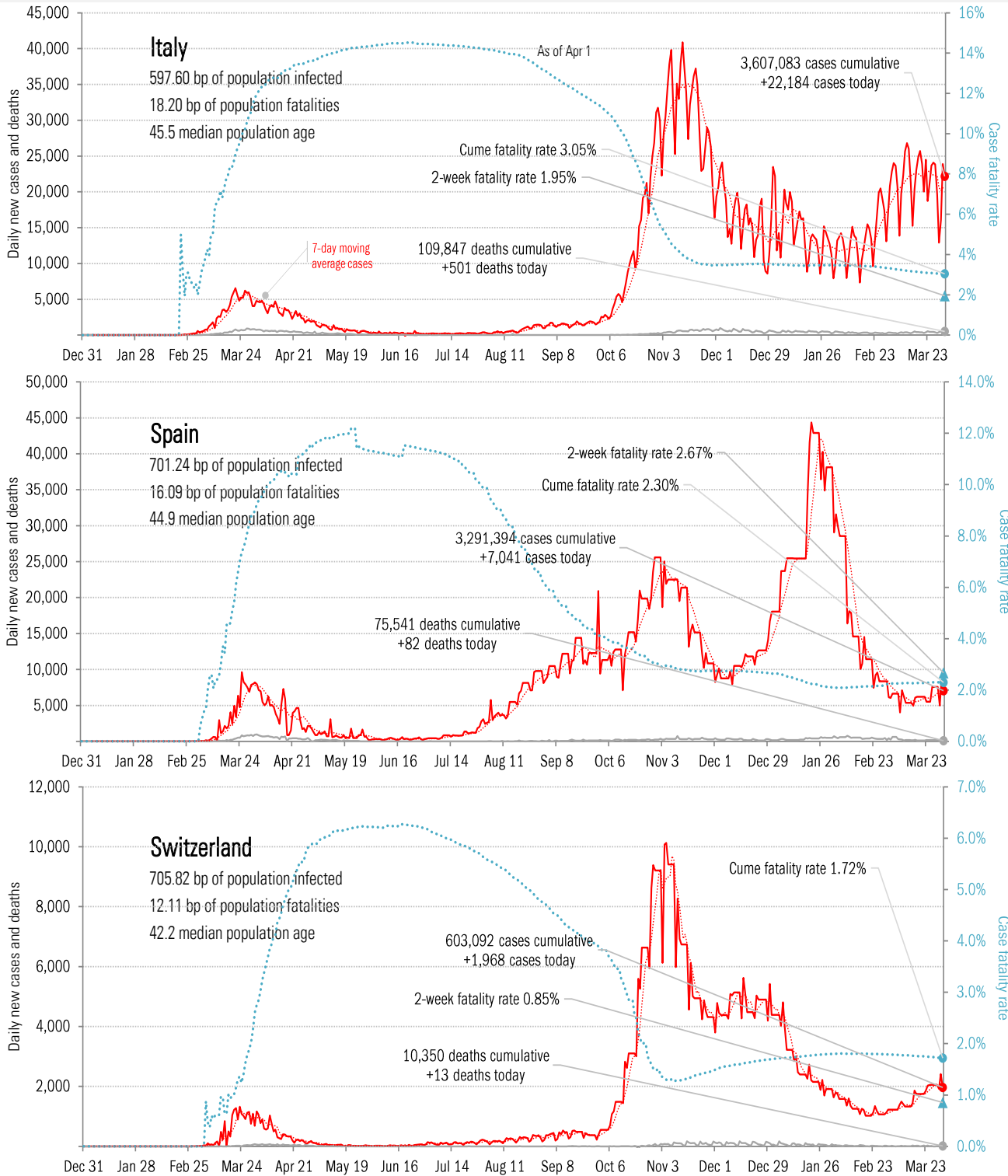
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



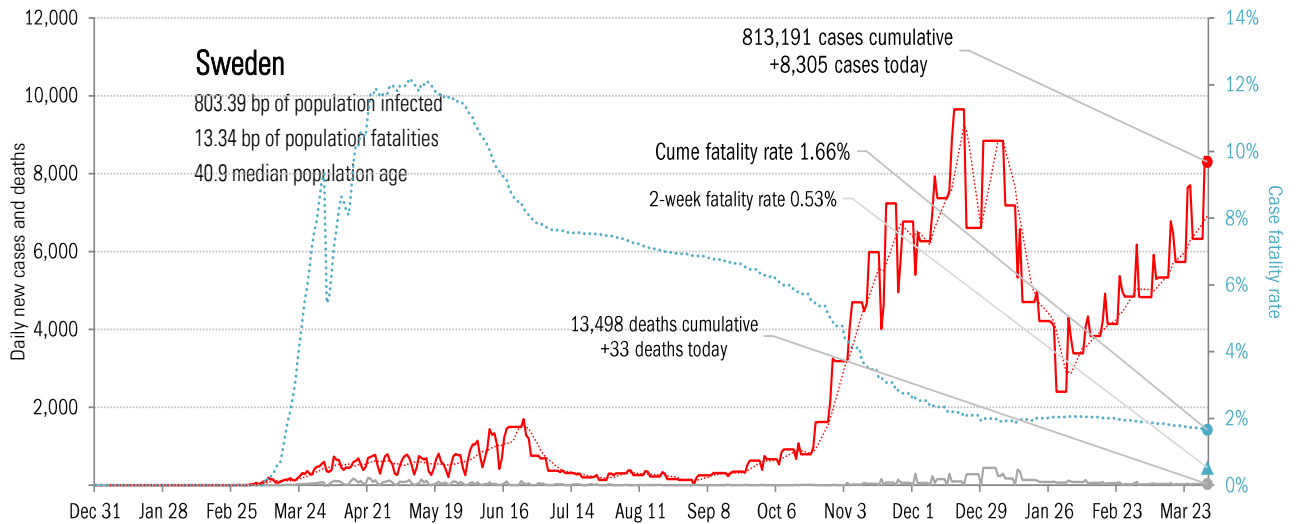
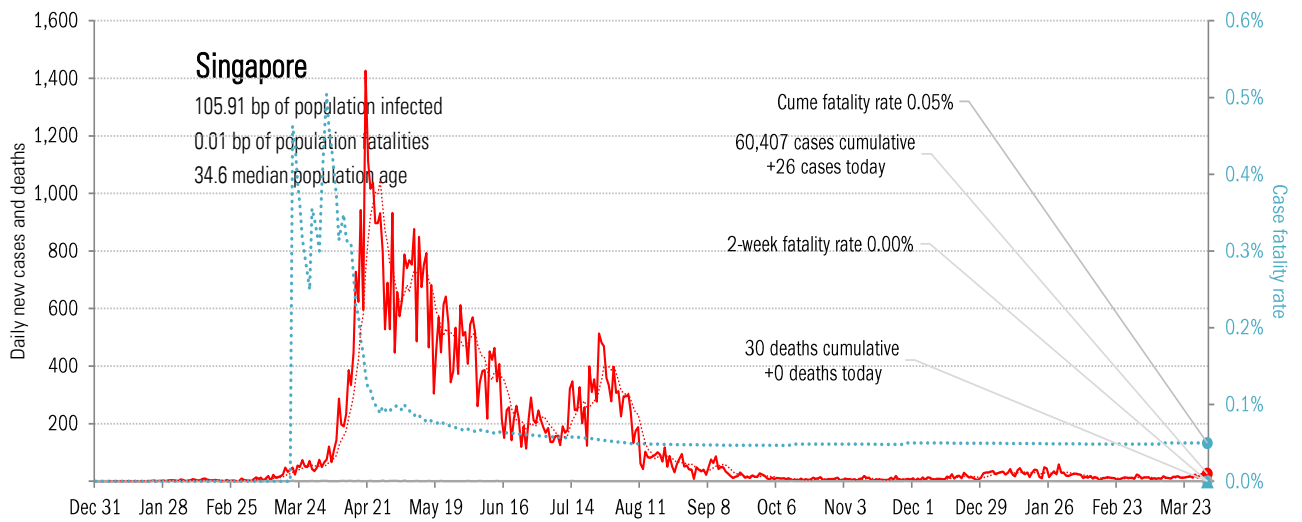
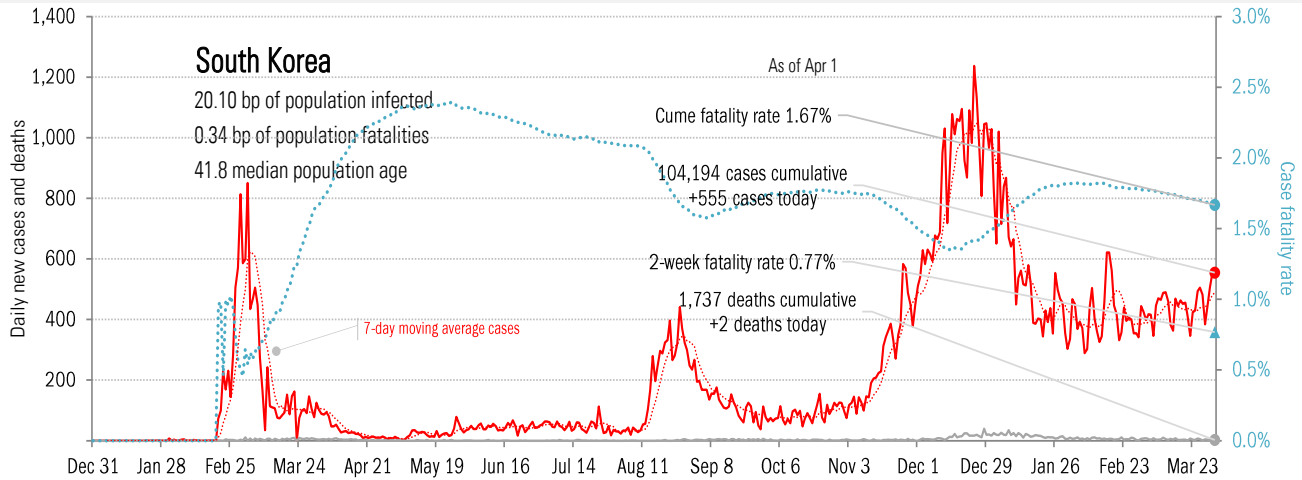
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



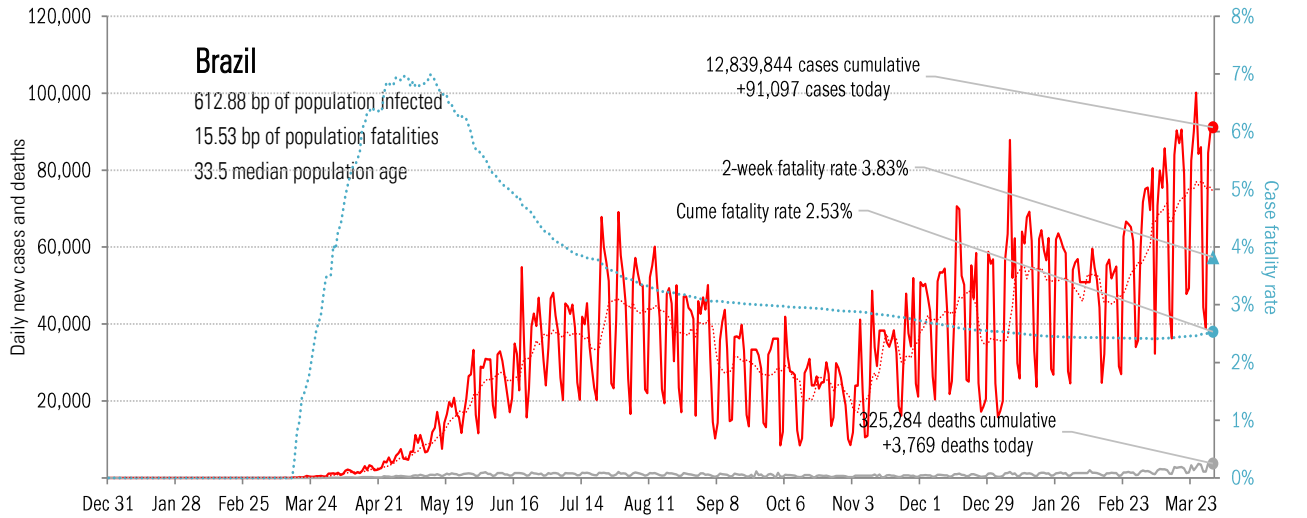
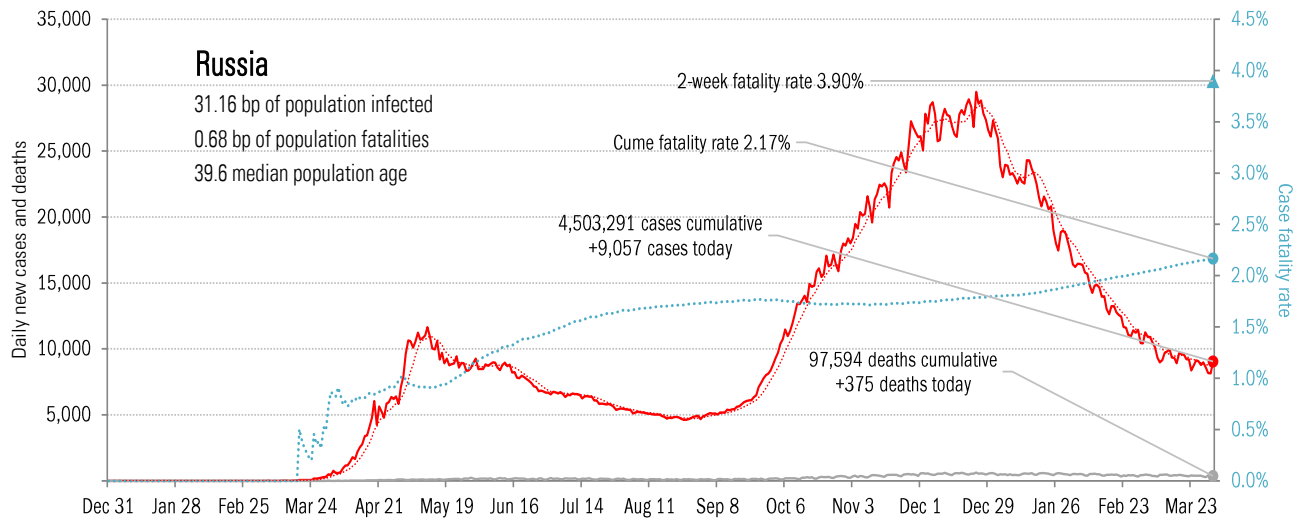
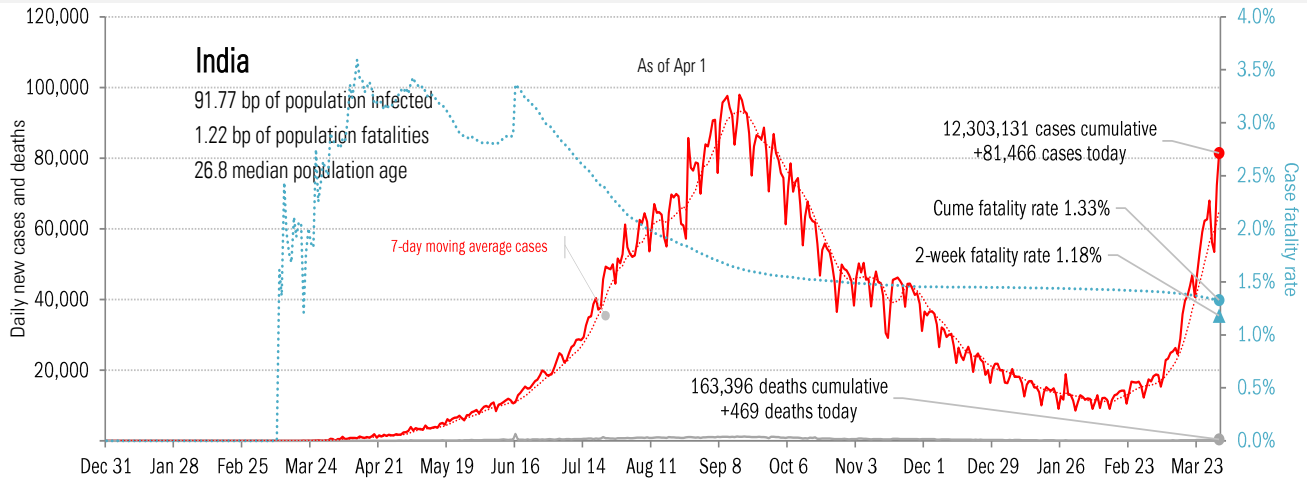
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



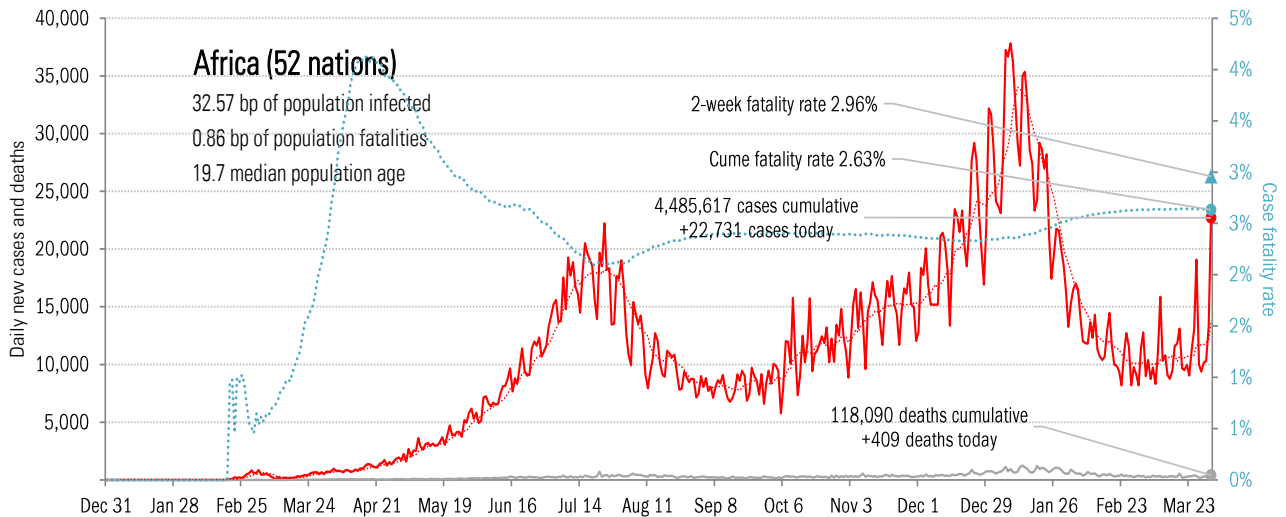
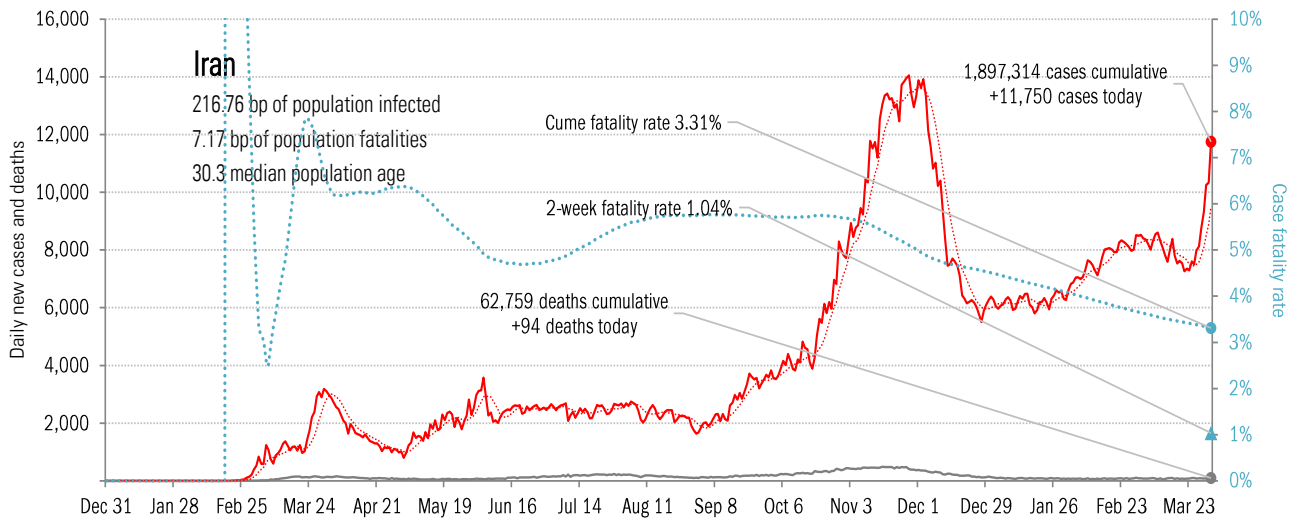
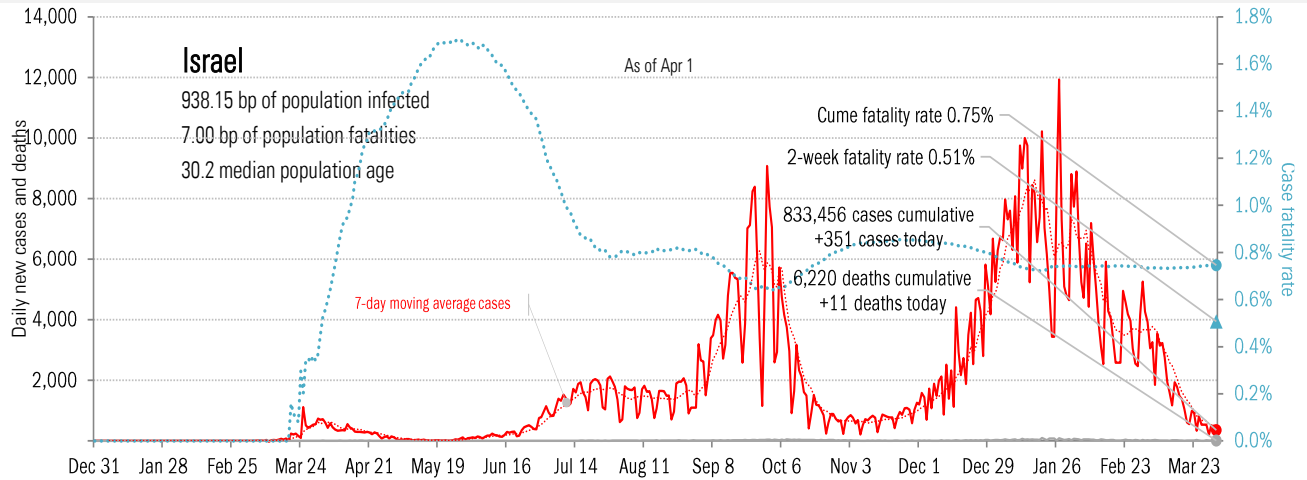
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



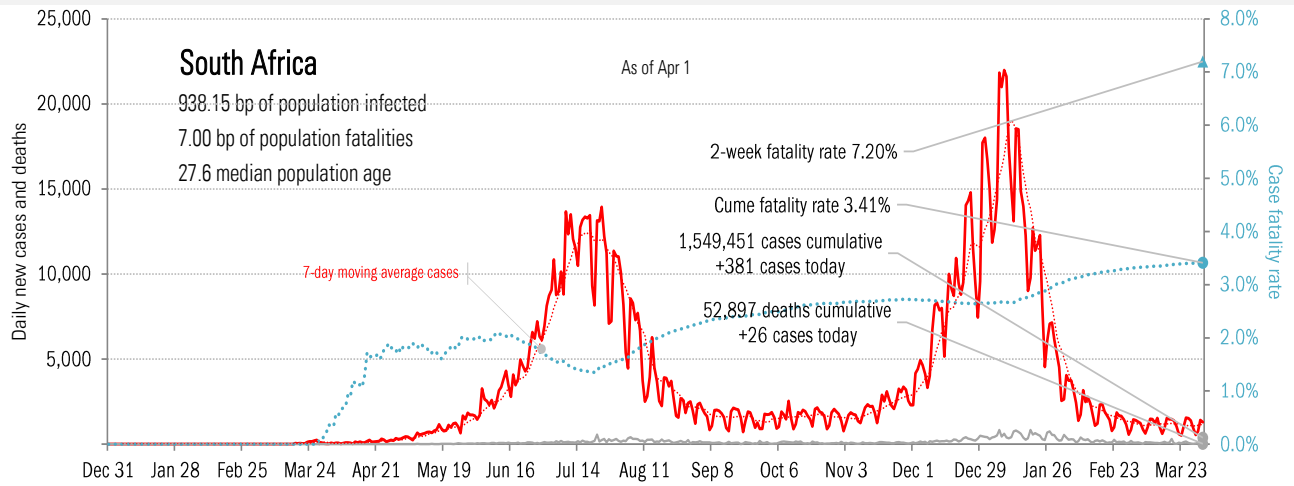
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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