

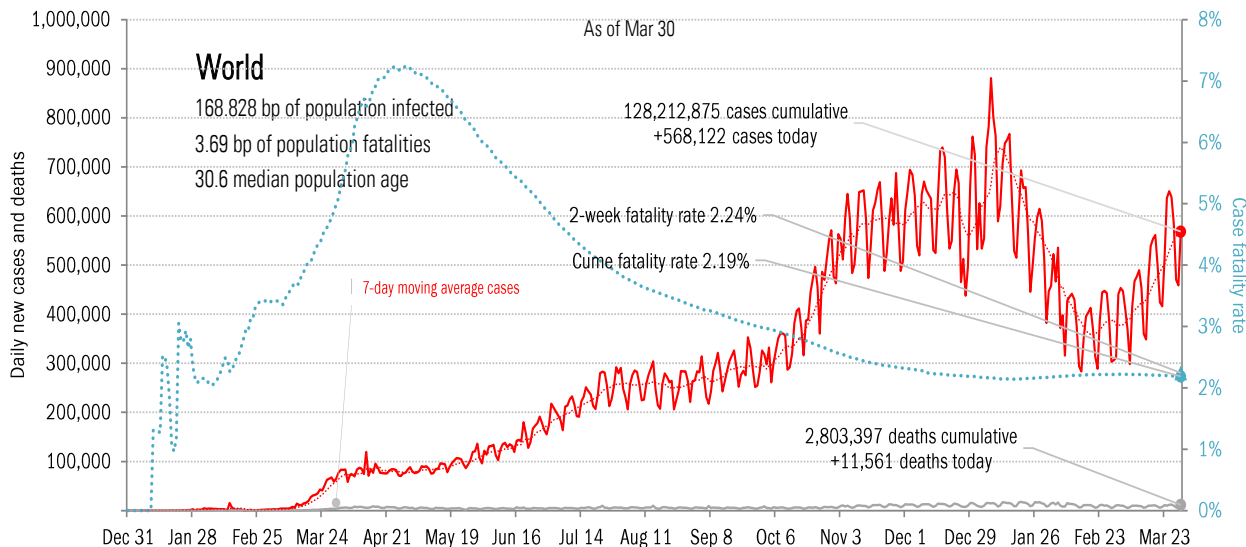
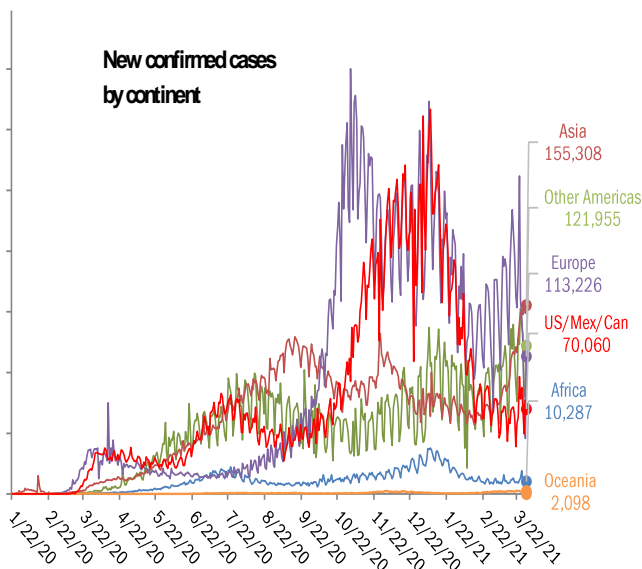
Data Insights: Covid-2019 Monitor

Wednesday, March 31, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+84,494	Brazil	+3,780
United States	+61,240	United States	+875
India	+53,480	Mexico	+801
Turkey	+37,303	Italy	+529
France	+30,719	Poland	+460
Germany	+23,681	Russia	+404
Poland	+20,862	France	+381
Sweden	+16,427	India	+354
Italy	+16,055	Ukraine	+291
Ukraine	+10,648	Hungary	+274
+354,909		+8,149	
World +568,122		World +11,561	
Topten 62%		Topten 70%	



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

For more information contact us:

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The US scorecard

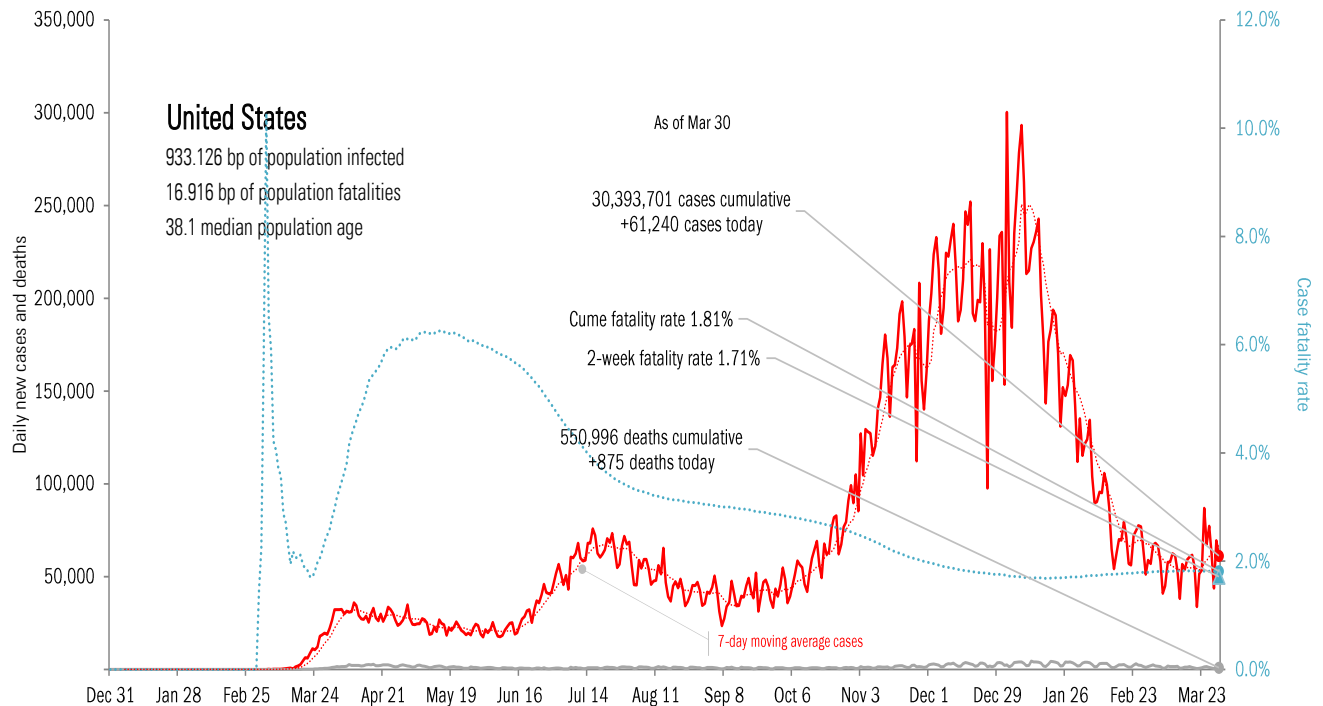
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MI	+6,306		TX	+108		FL	+95		CA	3,666,266		CA	59,128		TX	225,358		R	94%	MD	20%
NY	+5,875		CA	+98		MI	+84		TX	2,789,428		NY	50,212		CA	221,896		MA	83%	NY	19%
PA	+5,111		FL	+91		NY	+74		FL	2,052,441		TX	48,242		FL	150,903		MD	82%	MI	16%
FL	+5,062		NJ	+82		MD	+39		NY	1,865,349		FL	33,338		NY	113,540		CT	81%	ID	14%
NJ	+4,871		NY	+54		CH	+37		IL	1,241,903		PA	25,029		GA	94,220		PA	79%	MS	14%
TX	+3,209		MI	+52		GA	+28		GA	1,057,741		NJ	24,486		CH	75,069		MI	79%	TX	14%
CH	+2,458		MO	+51		NJ	+26		PA	1,022,992		IL	23,542		PA	73,163		MO	78%	GA	13%
IL	+2,401		PA	+38		CO	+20		CH	1,015,577		GA	18,987		KY	67,976		GA	78%	WV	13%
CA	+2,353		TN	+28		IN	+20		NC	912,203		CH	18,609		IL	67,956		FL	78%	NJ	13%
MA	+2,050		GA	+25		TN	+19		NJ	905,144		MA	17,148		AZ	58,156		NC	77%	DC	12%
+39,696			+627			+442			16,529,044			318,721			1,148,237						
All states	+61,240			+875			+295		All states	30,393,701			550,996			2,041,448		All states	70%		67%
Top ten	65%			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	
NC	-3,935	NY	-87	AL	-80	VT	+56 bp
MI	-2,932	NC	-55	PA	-75	RI	+56 bp
NY	-2,867	LA	-25	CA	-56	NE	+55 bp
TN	-2,063	TN	-22	NC	-32	NJ	+53 bp
CT	-1,612	CT	-16	MA	-25	VA	+49 bp



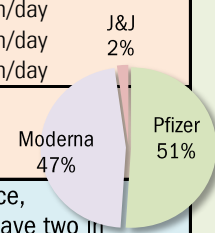
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
198.04 million doses distributed	+9.07 million/day	United States 15.7%
153.80 million doses administered	+1.80 million/day	United Kingdom 5.4%
99.49 million persons partially immunized	+1.03 million/day	France 3.9%
55.73 million persons fully immunized	+0.82 million/day	Spain 5.6%
7.72 million shots long-term care residents/staff	+0.00 million/day	Germany 4.6%
		Italy 5.0%
		Australia 0.6%
		Israel 54.8%
		Canada 1.8%
		Japan 0.1%
		Africa 0.3%
		India 0.7%
		Brazil 1.9%

77.7% of distributed doses administered
 29.8% of US pop partial
 100% of LTC partial

16.7% full immunity
 63.3% full immunity



At today's dosing pace, every American will have two in 279 days by Jan 3, 2022

US will achieve herd immunity in 100 days by Jul 7, 2021

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

AK
78.3%
33.8%
22.1%

Global data differs due to sources

China NA

ME
61.3%
33.9%
19.4%

WI
57.5%
31.4%
18.3%

VT	NH
65.6%	56.5%
33.2%	30.3%
18.4%	17.2%

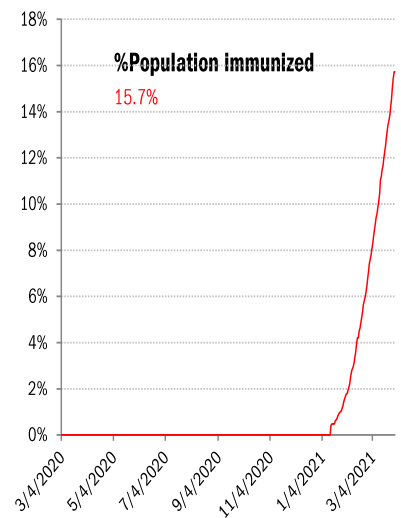
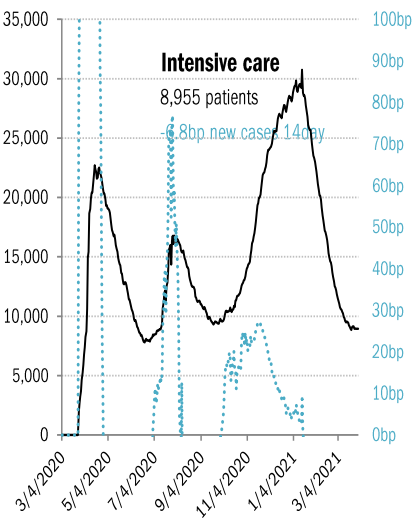
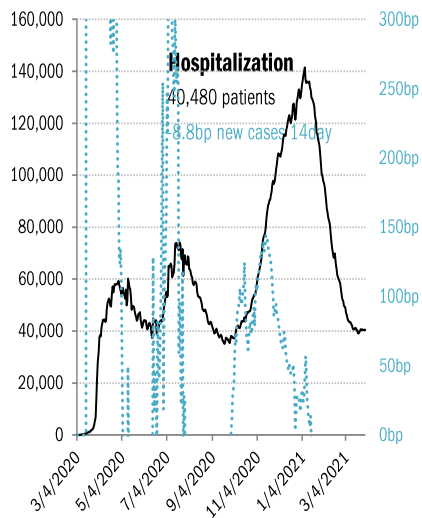
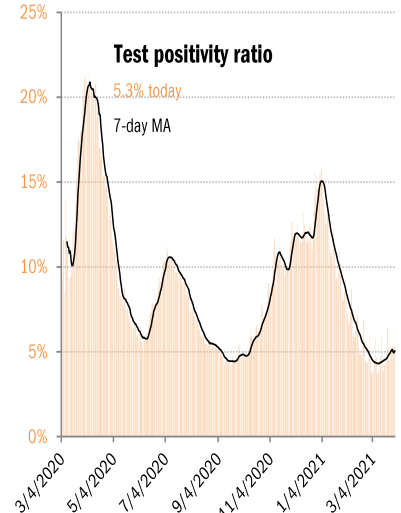
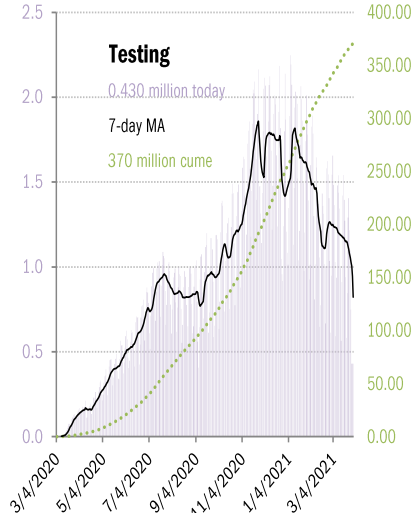
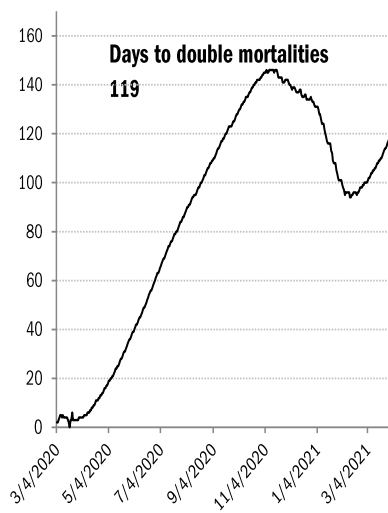
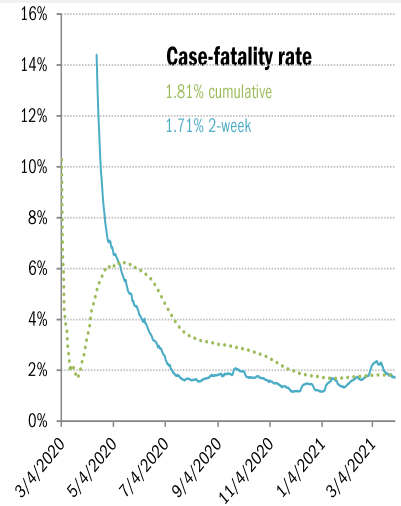
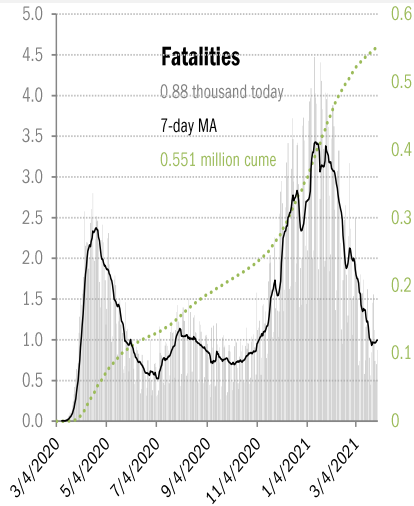
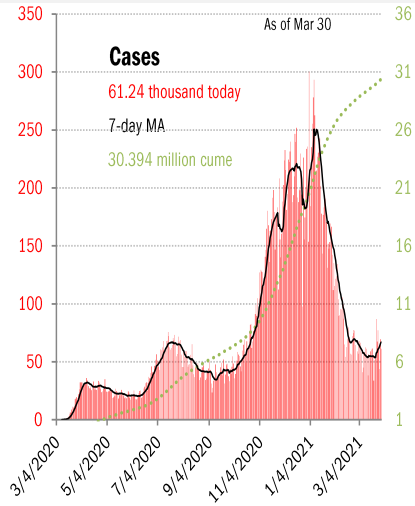
WA	ID	MT	ND	MN	IL	MI	NY	MA		
56.8%	52.8%	60.3%	60.8%	53.4%	57.3%	58.2%	59.6%	59.7%		
29.5%	25.4%	29.8%	32.1%	31.1%	30.5%	28.0%	30.5%	33.6%		
17.6%	16.2%	18.3%	20.2%	18.3%	16.3%	16.6%	16.2%	18.5%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
56.9%	52.2%	63.3%	68.3%	56.2%	52.3%	58.2%	57.8%	54.7%	65.1%	60.9%
27.7%	27.5%	27.1%	34.4%	30.5%	24.9%	28.7%	31.3%	32.7%	34.9%	32.6%
16.3%	15.8%	18.1%	22.0%	19.1%	16.4%	16.6%	16.3%	18.2%	20.0%	20.7%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
58.5%	49.8%	55.9%	59.3%	53.8%	57.3%	63.0%	56.6%	58.4%	60.1%	
30.2%	25.4%	29.4%	30.2%	25.3%	30.7%	29.6%	30.7%	30.5%	30.3%	
15.8%	11.4%	17.2%	18.0%	14.7%	17.1%	18.6%	16.7%	16.7%	16.0%	
AZ	NM	KS	AR	TN	NC	SC	DC			
57.1%	68.1%	57.4%	57.8%	53.0%	55.1%	54.9%	71.1%			
29.2%	37.5%	29.5%	25.6%	24.6%	28.4%	27.0%	26.3%			
16.8%	23.2%	16.5%	13.6%	13.4%	16.1%	14.8%	13.2%			
OK	LA	MS	AL	GA						
65.3%	58.2%	54.8%	55.5%	53.9%						
30.5%	25.7%	24.3%	23.1%	23.2%						
17.4%	15.9%	14.8%	13.1%	12.1%						
HI	TX	FL	PR							
66.3%	52.4%	58.6%	59.3%							
31.4%	25.3%	27.5%	21.7%							
18.5%	13.3%	15.4%	12.3%							

As of Mar 30

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

US deep-dive

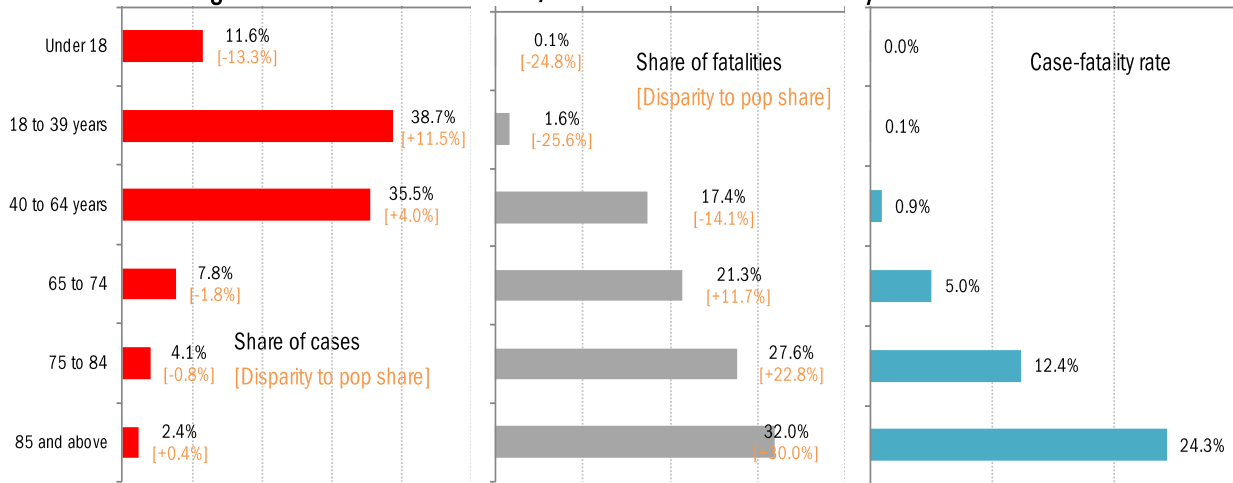
National and state-by-state data do not line up because of different sources



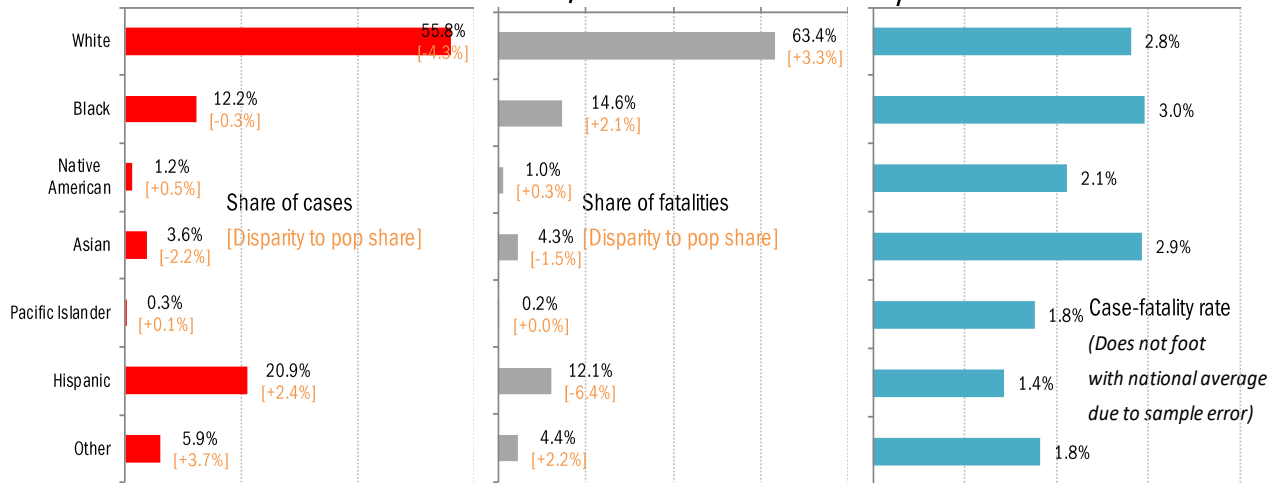
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

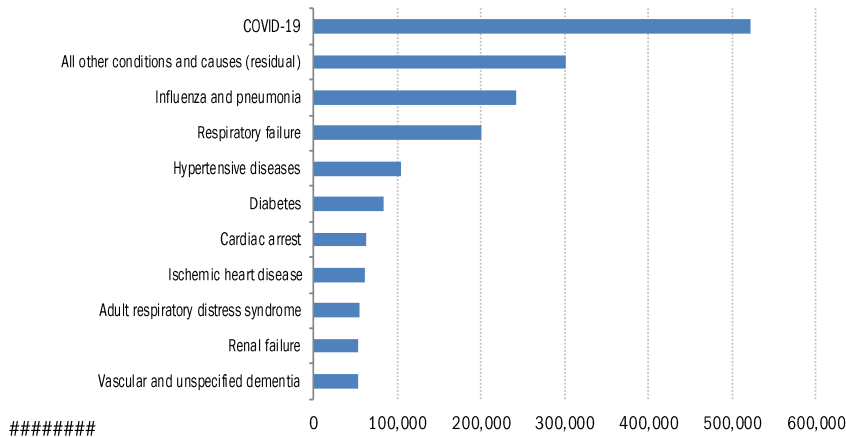


Racial distribution of US cases, fatalities and case-fatality rates



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

[WHO-convened global study of origins of SARS-CoV-2: China Part](#)

World Health Organization
March 30, 2021

[WHO Director-General's remarks at the Member State Briefing on the report of the international team studying the origins of SARS-CoV-2](#)

World Health Organization
March 30, 2021

[WHO calls for further studies, data on origin of SARS-CoV-2 virus, reiterates that all hypotheses remain open](#)

World Health Organization
March 30, 2021

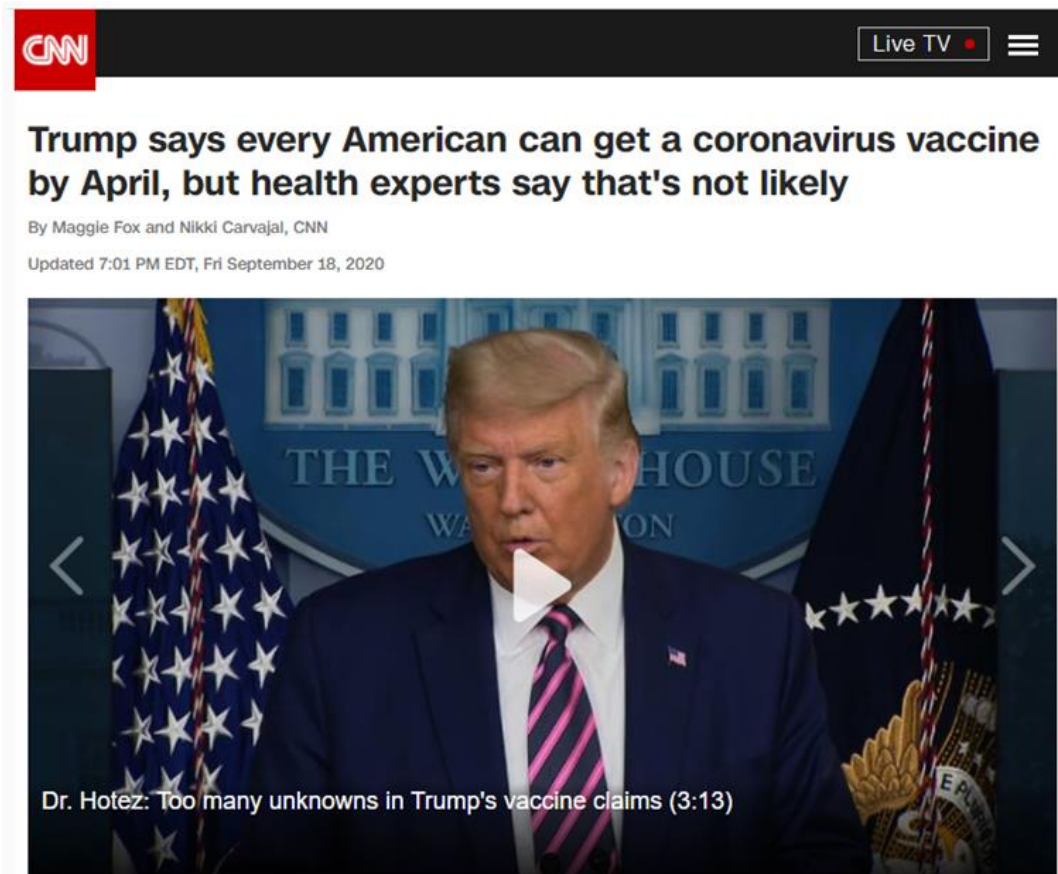
[The Wuhan Whitewash](#)

Wall Street Journal
March 30, 2021

[Court Documents Reveal How L.A. Teachers Union Gained Upper Hand in Pandemic Negotiations, Limiting Instruction Time](#)

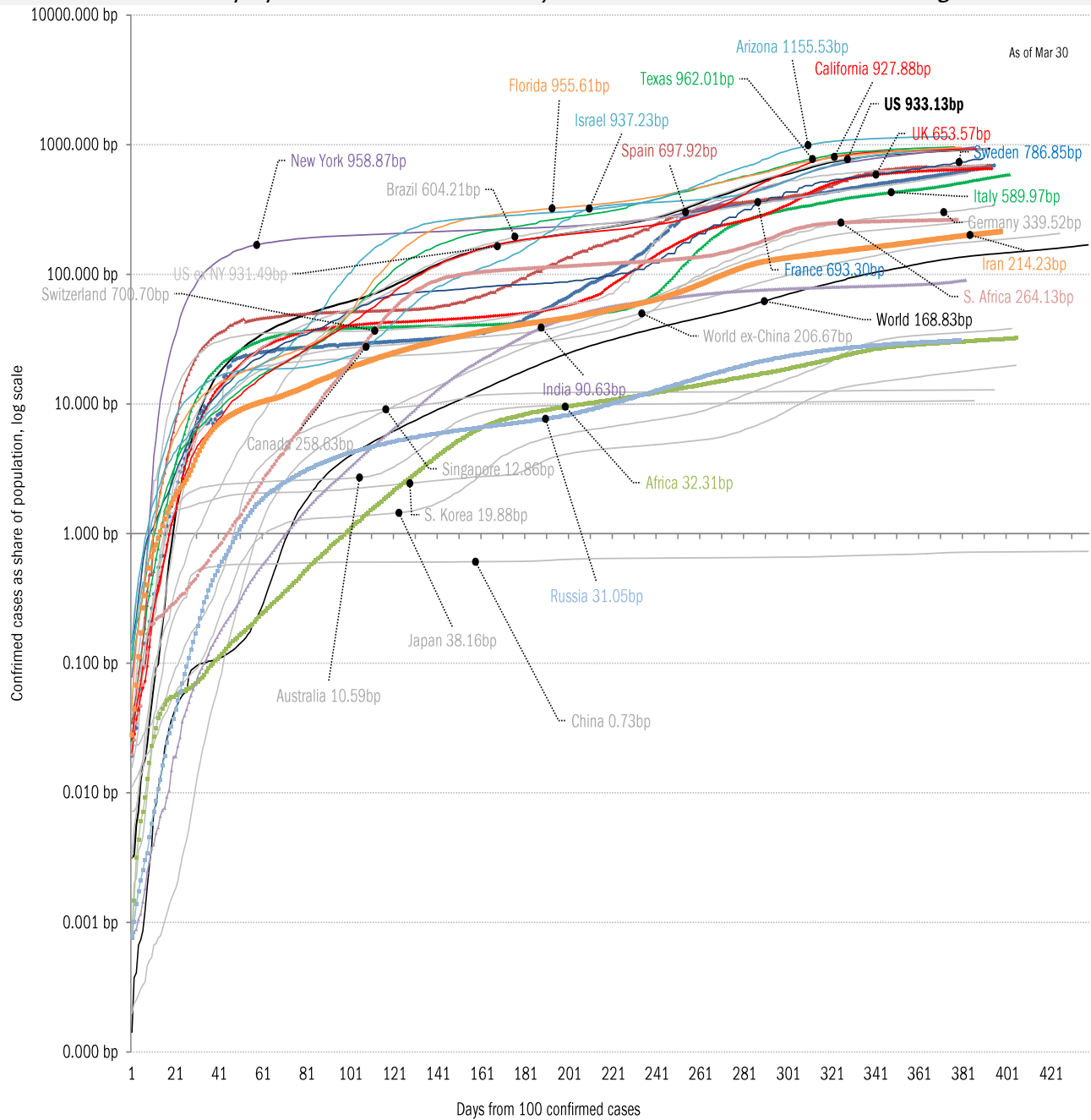
Linda Jacobson
The 74
March 30, 2021

Meme of day



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

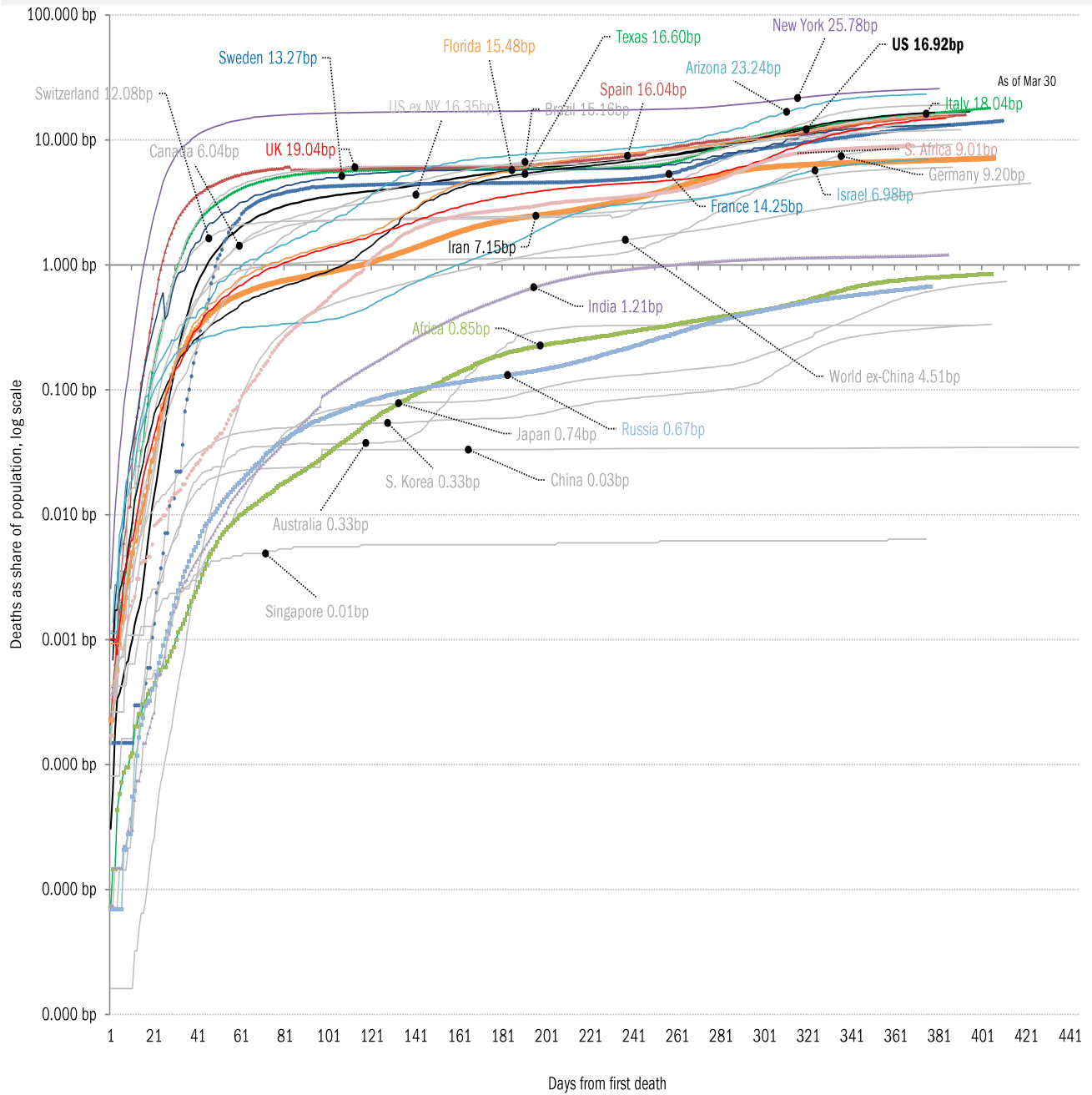
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

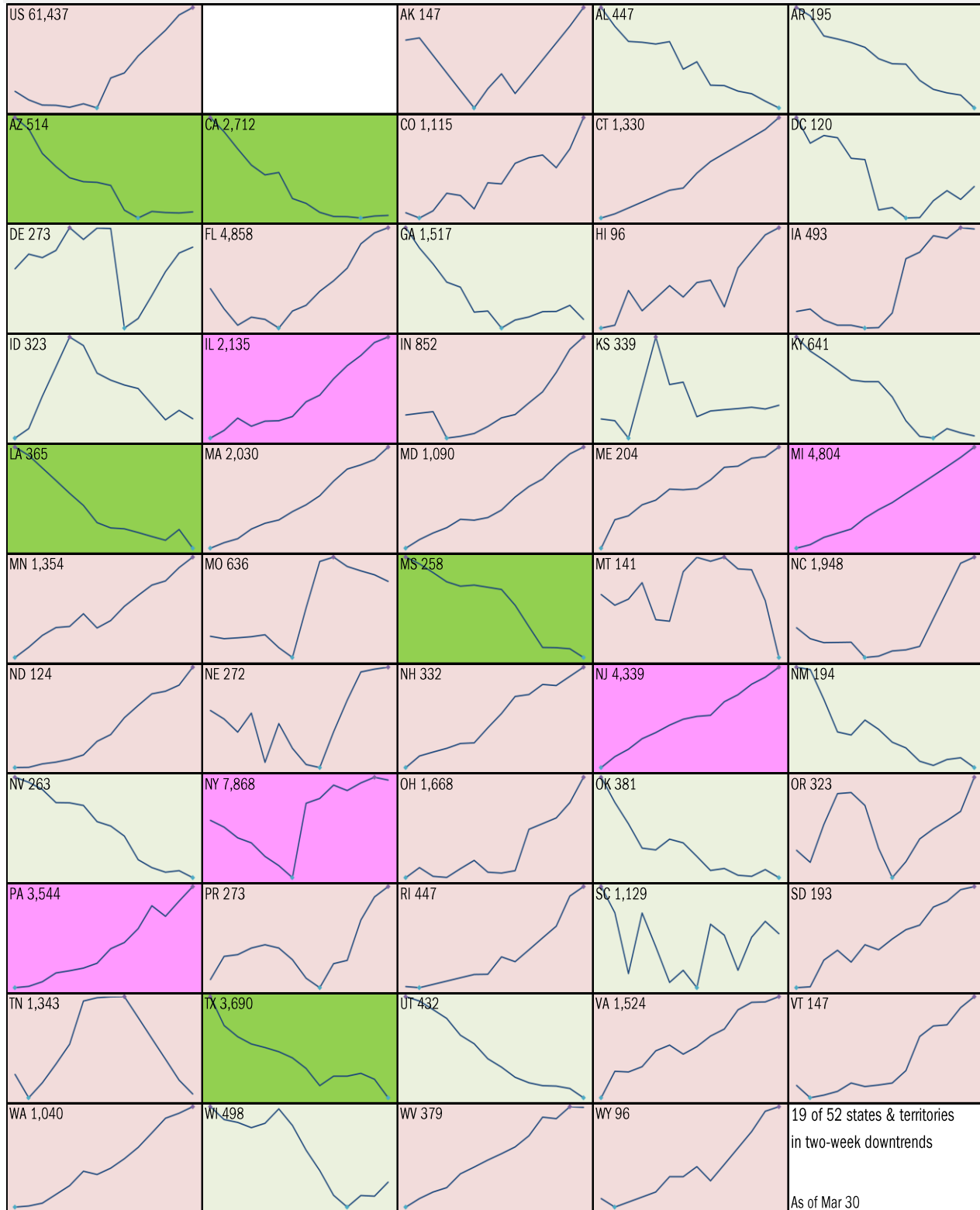


Source: [Johns Hopkins](#), TrendMacro calculations

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

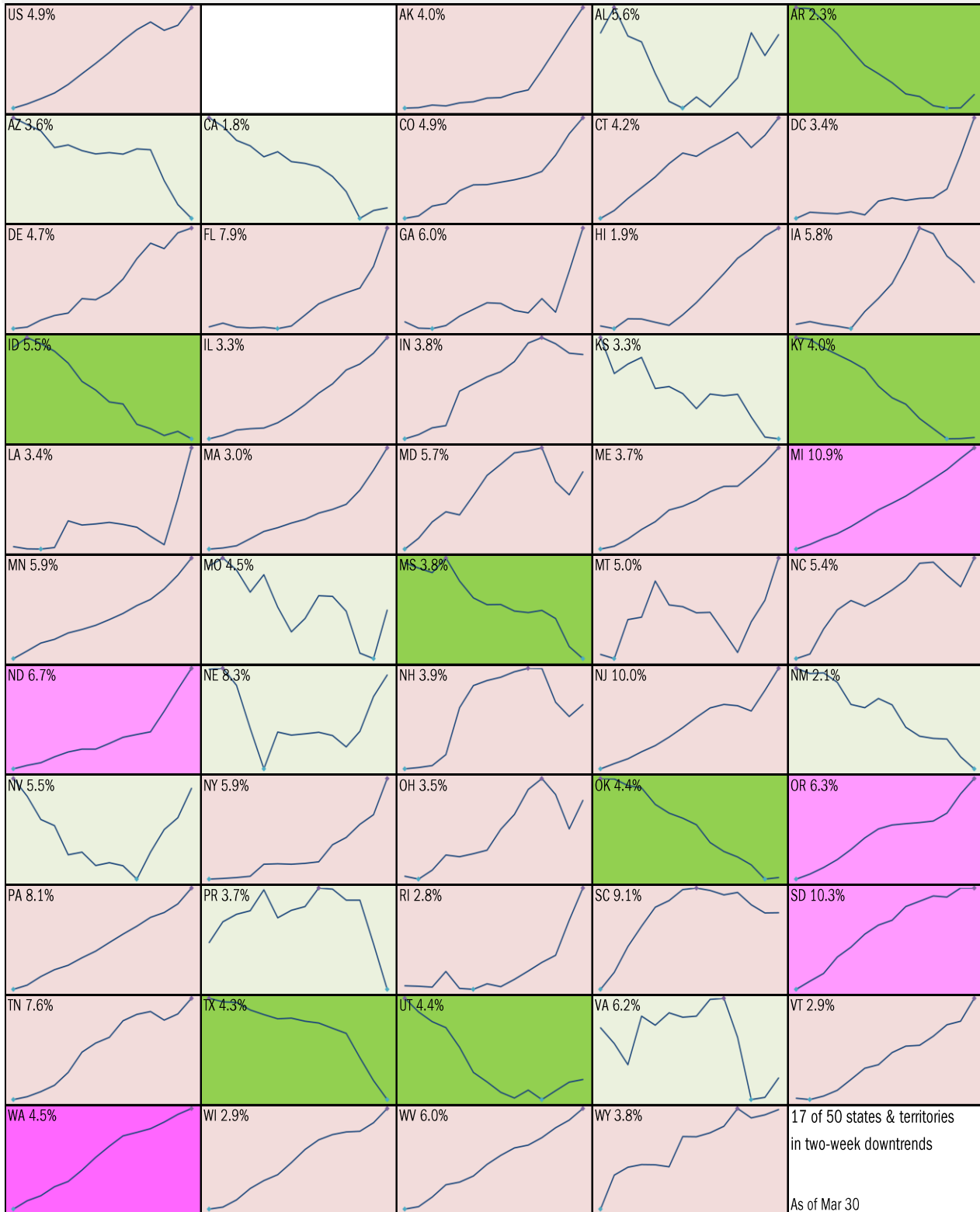


Source: [Johns Hopkins](#), TrendMacro calculations

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

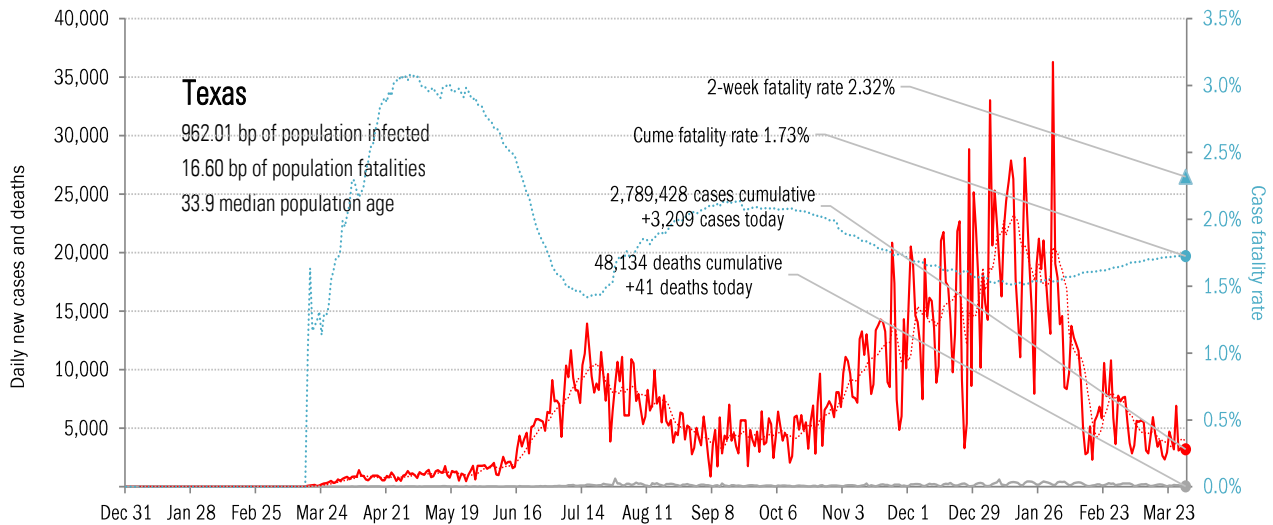
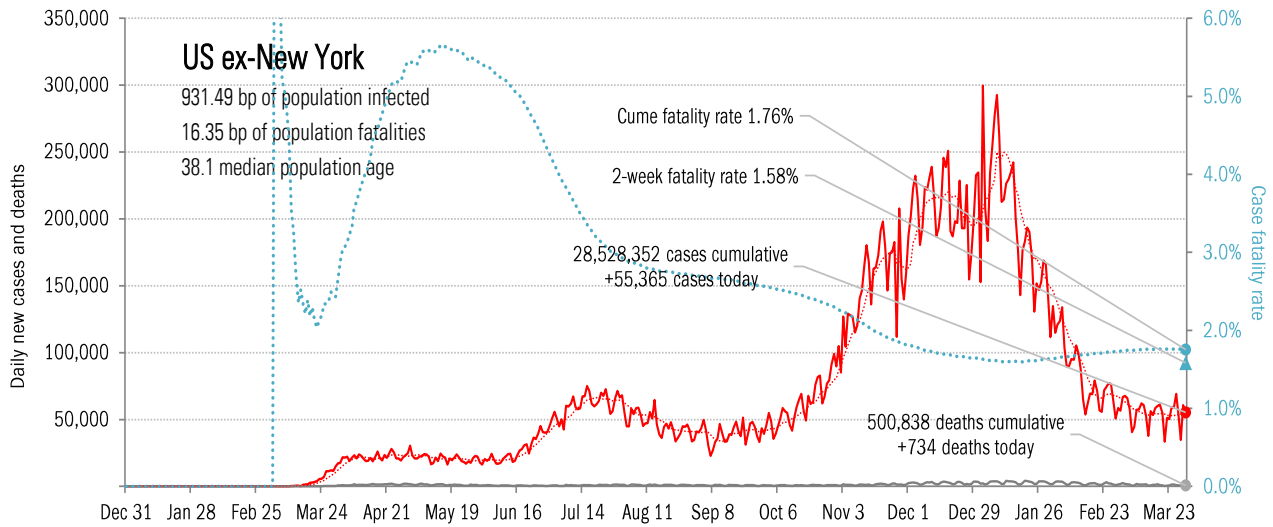
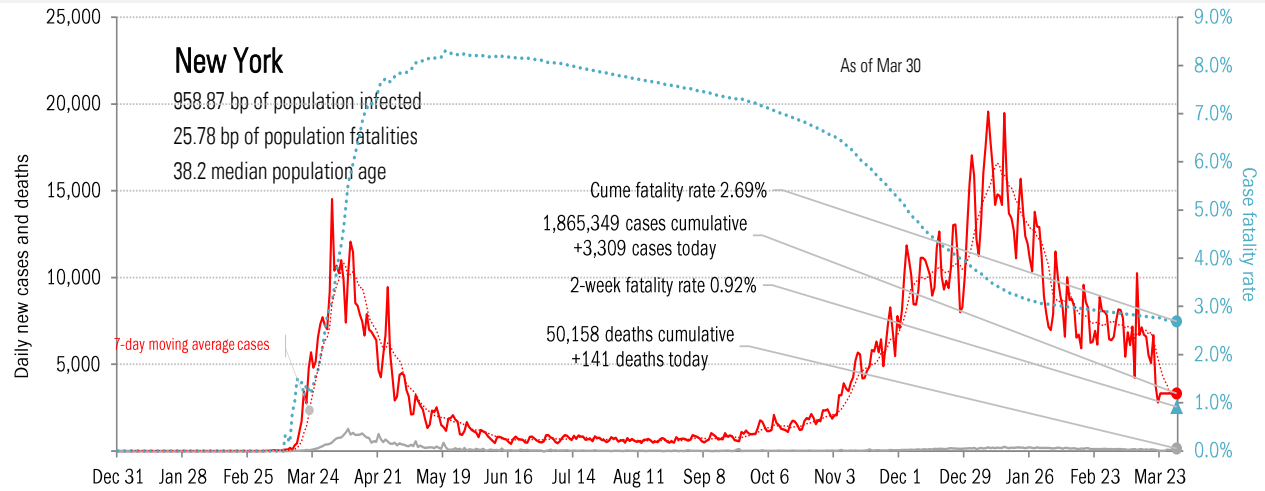
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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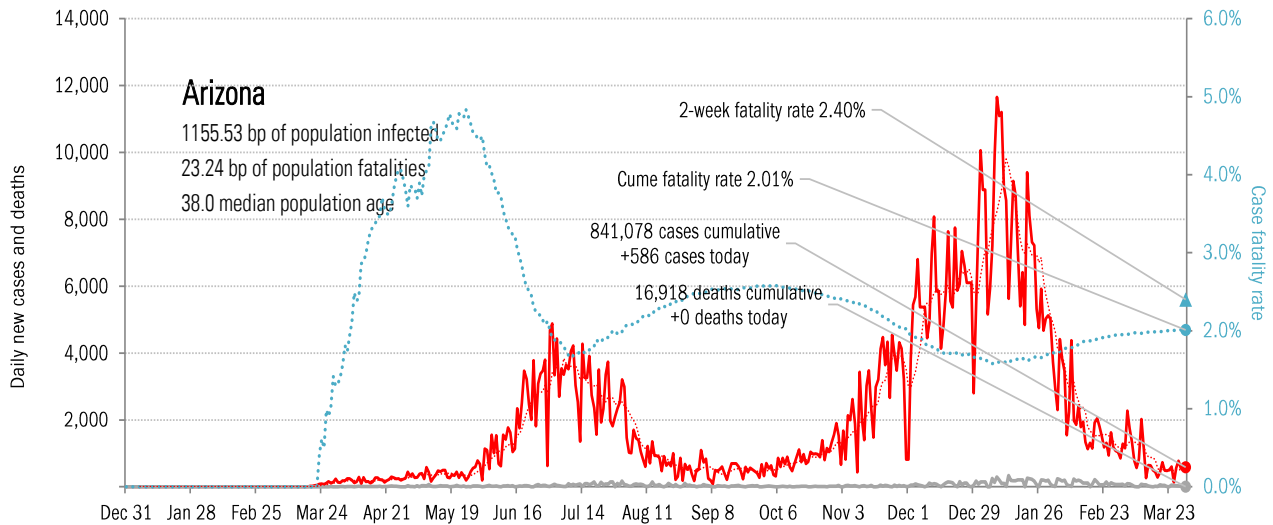
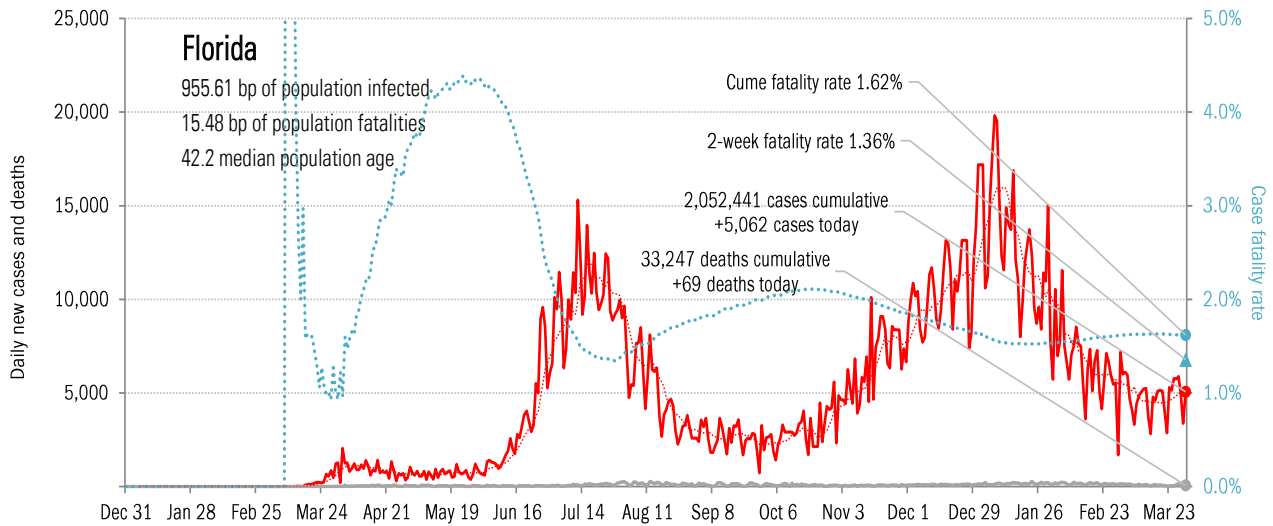
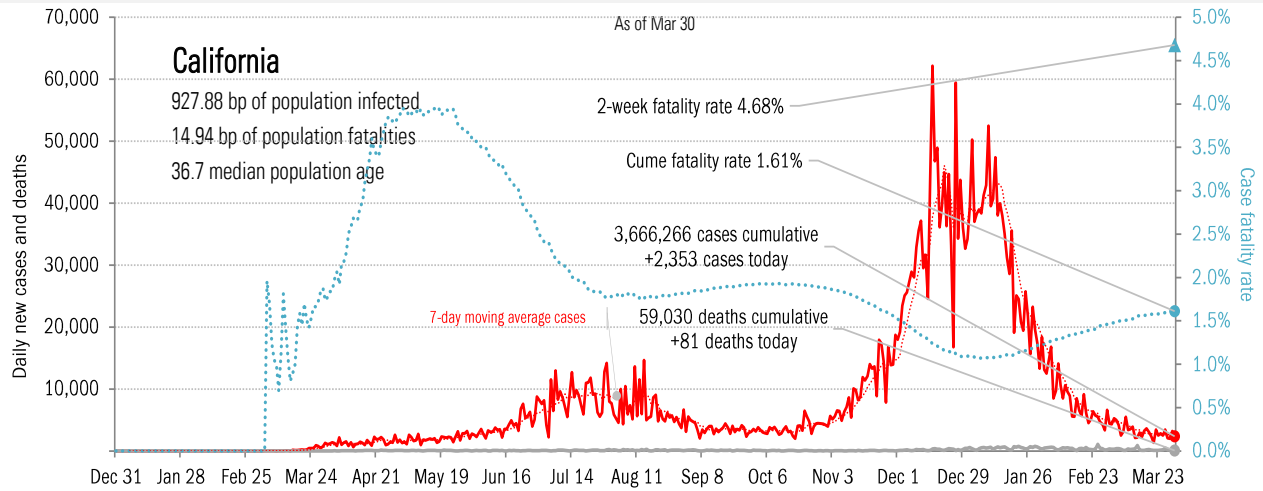
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



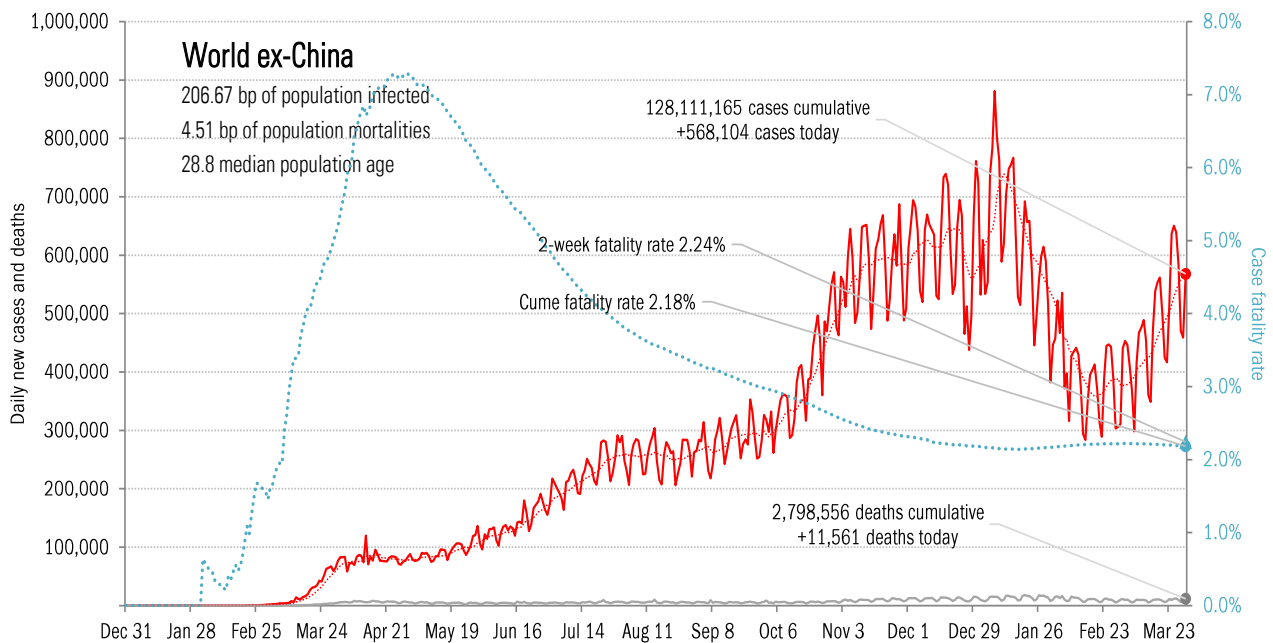
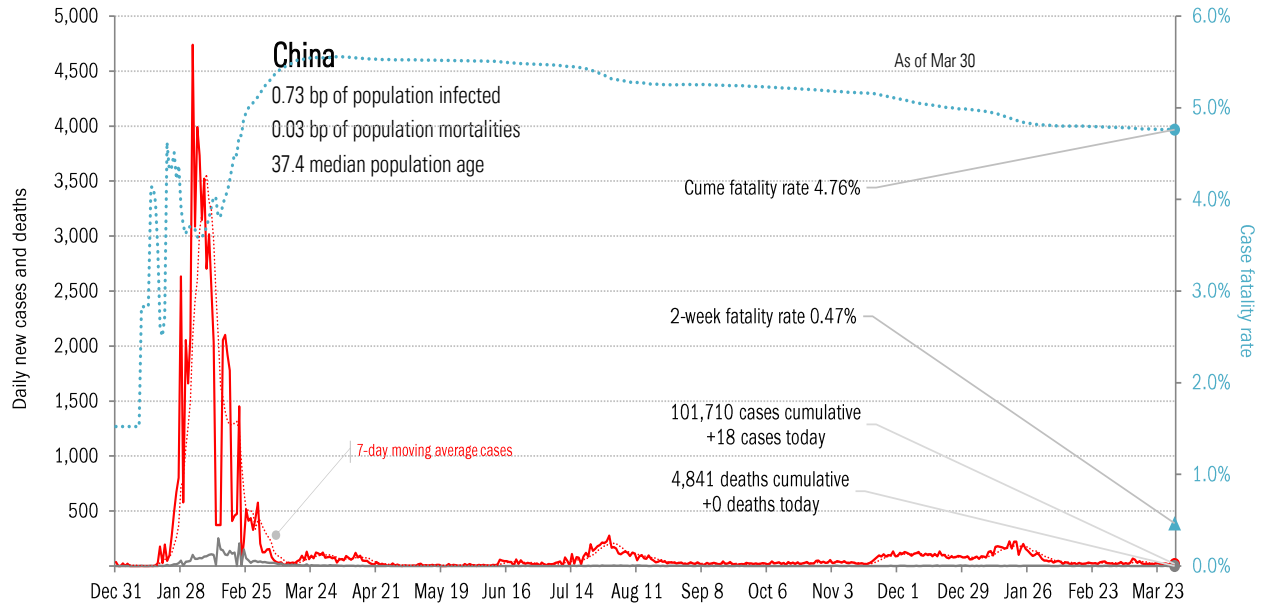
Source: [Johns Hopkins](#), TrendMacro calculations

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



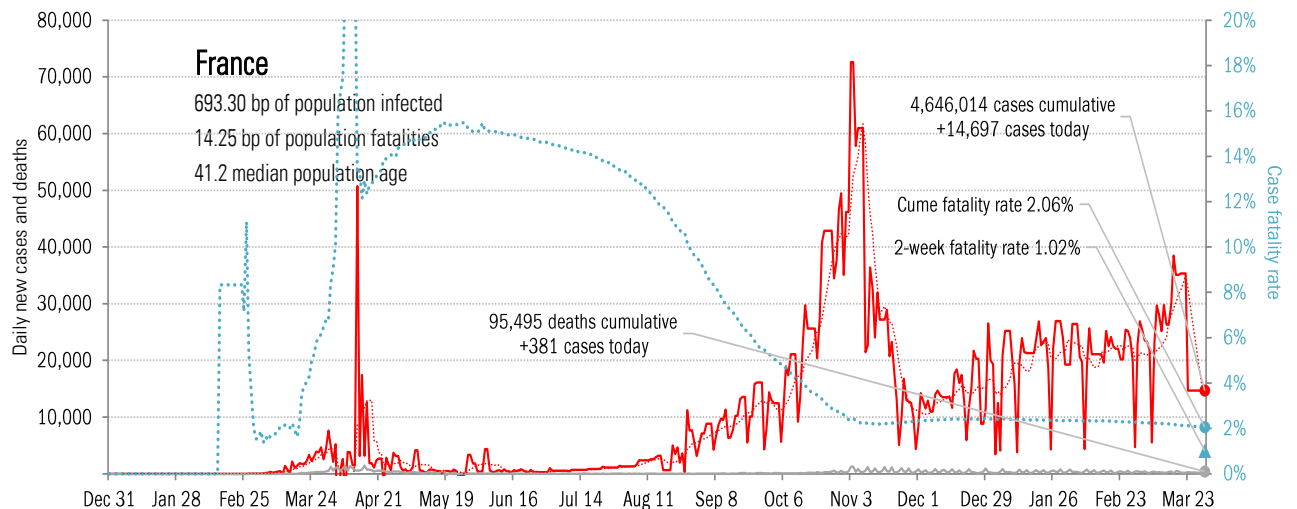
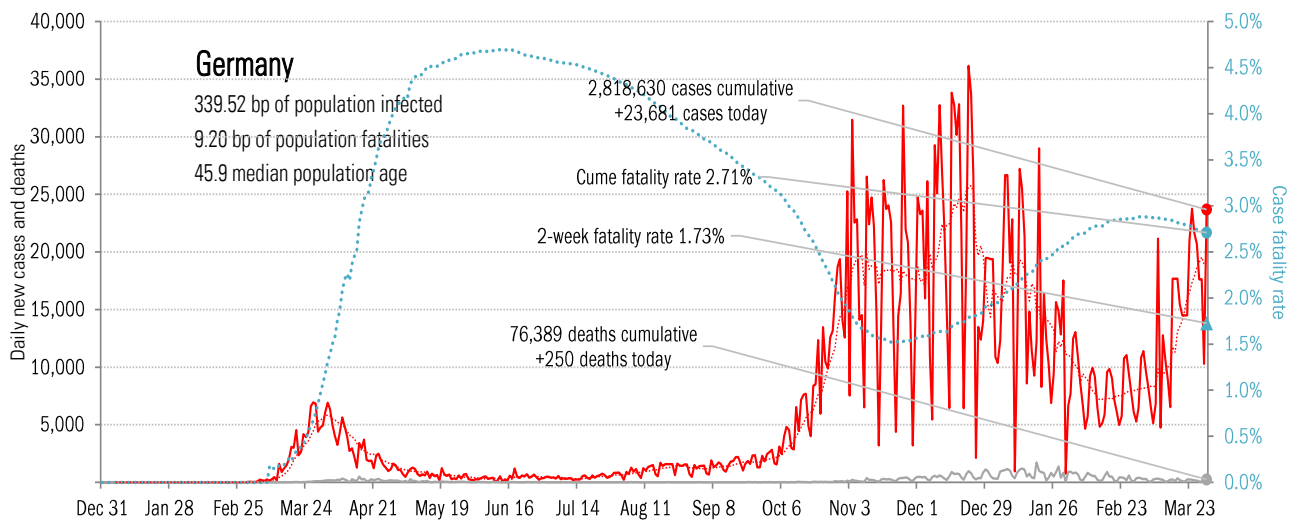
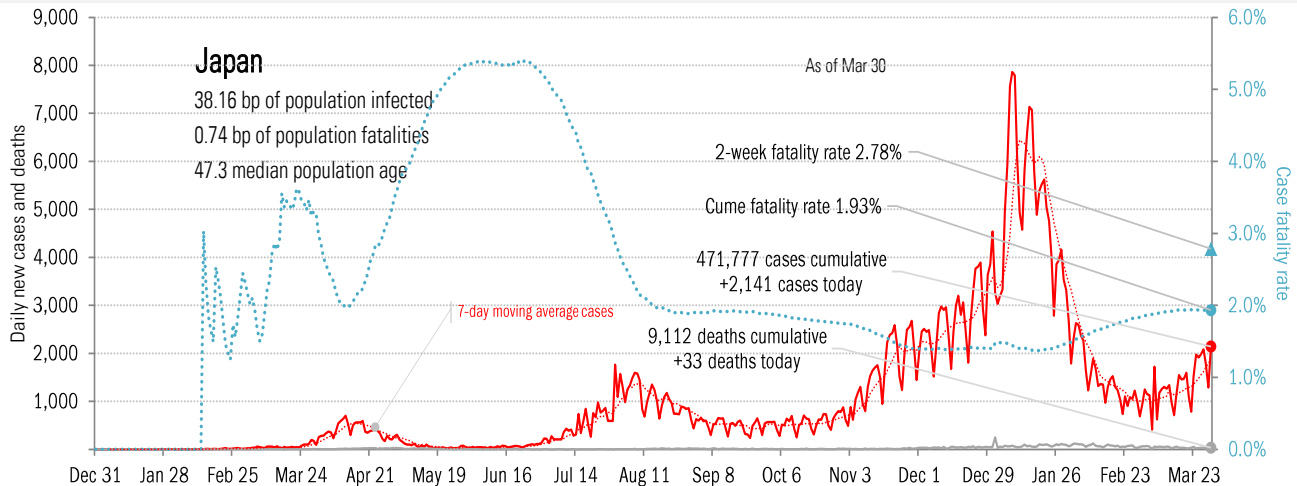
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



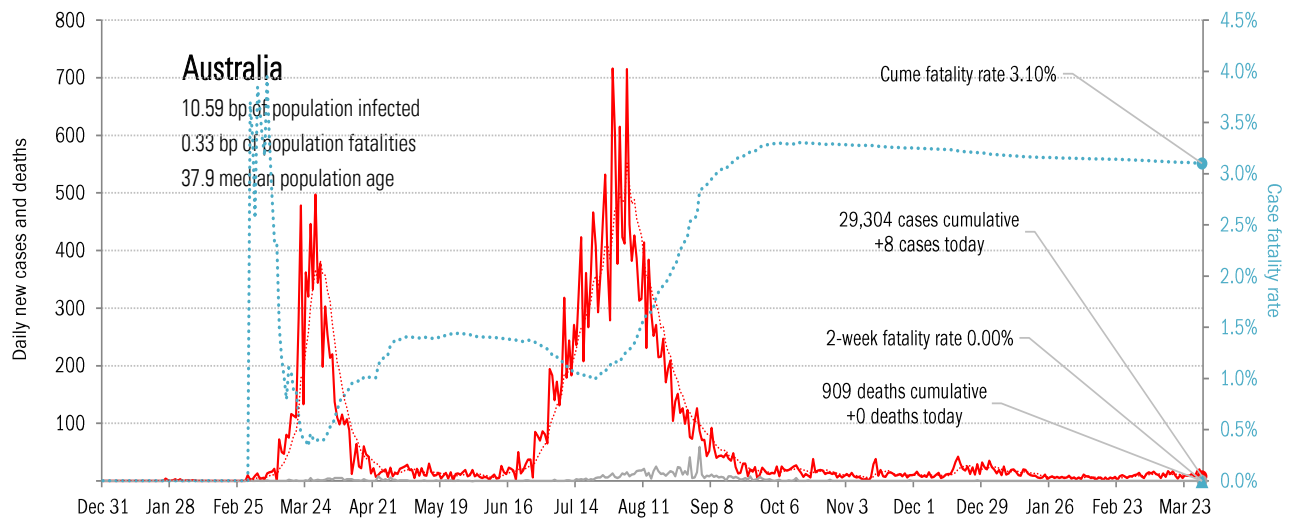
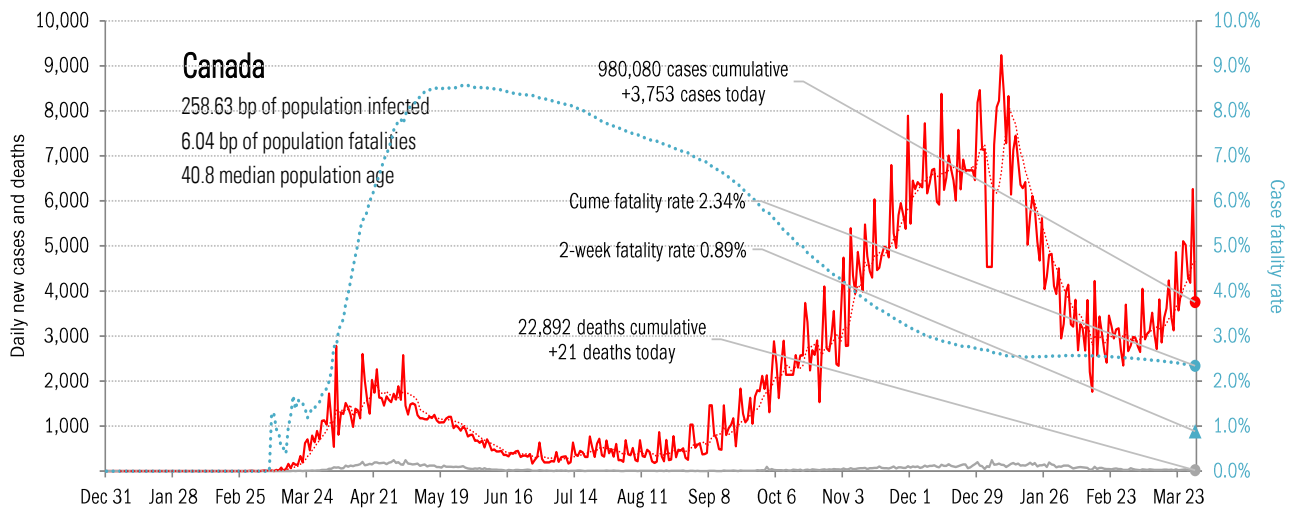
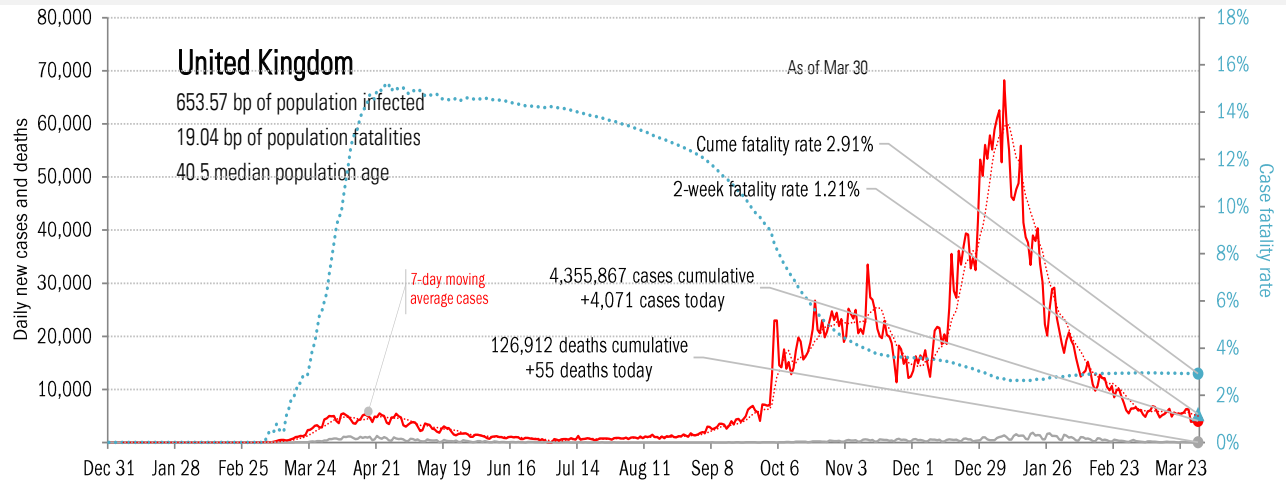
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



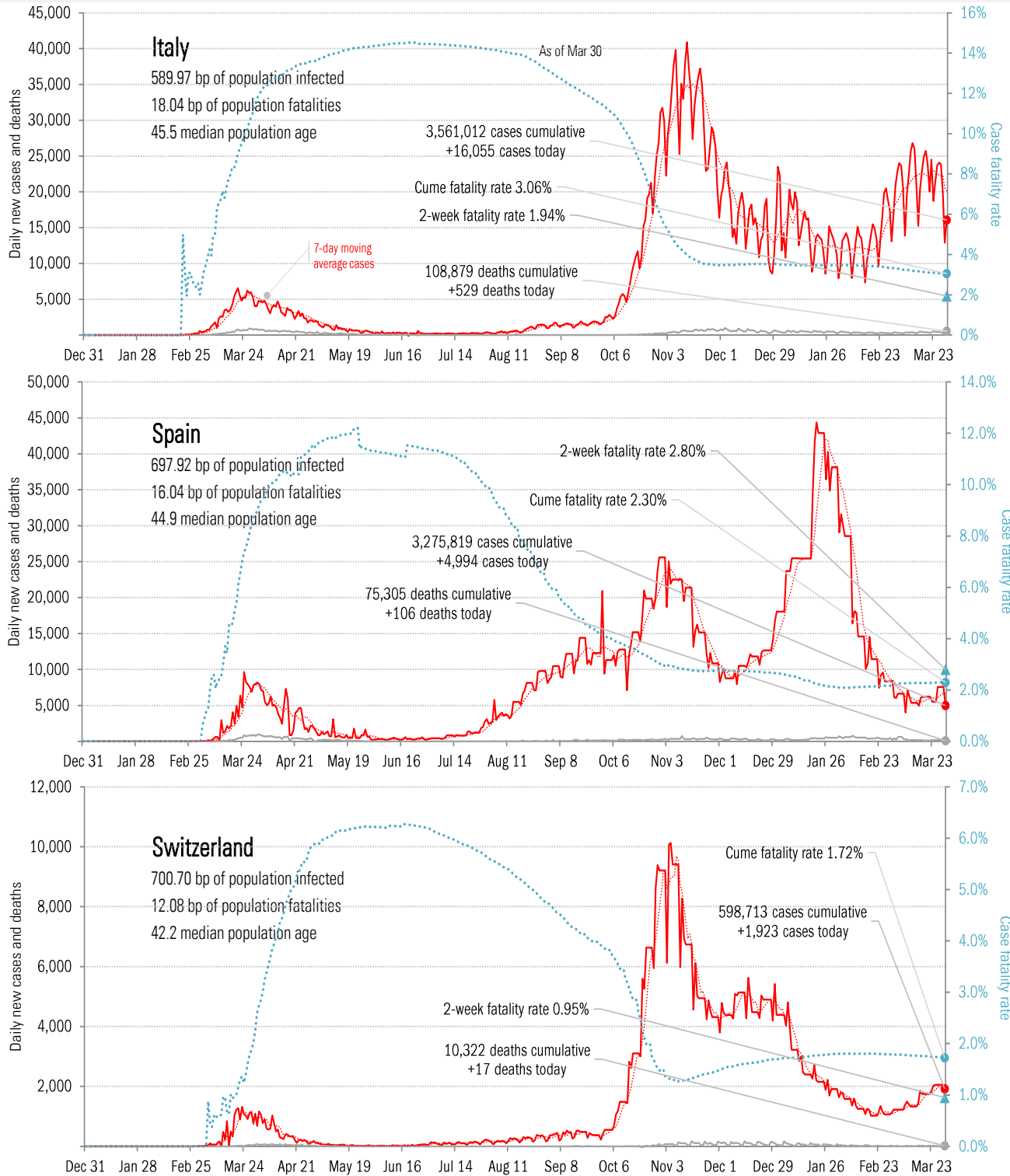
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



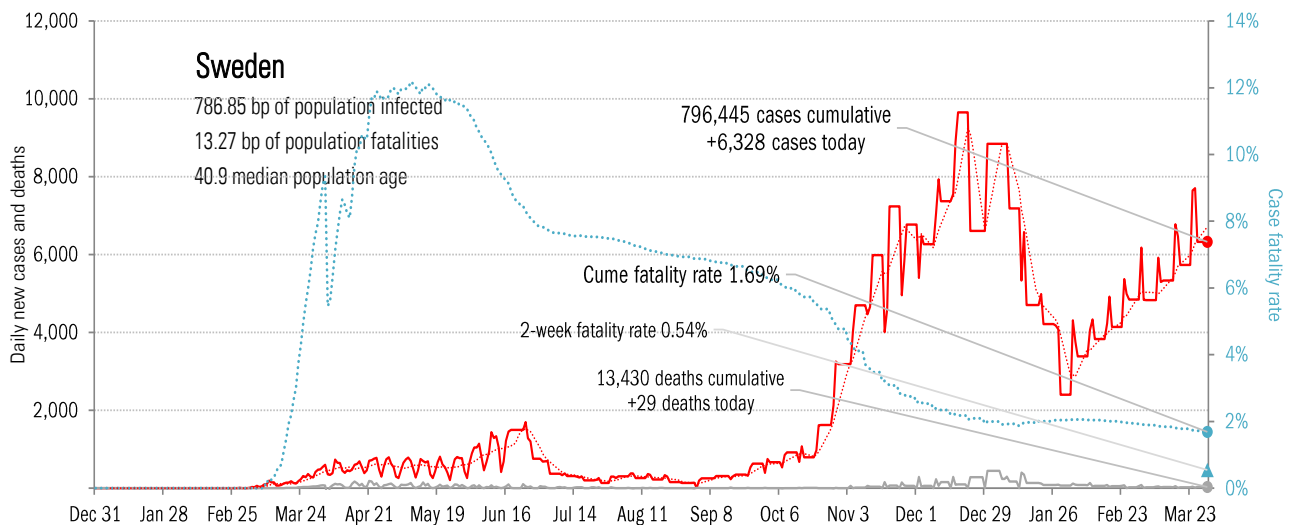
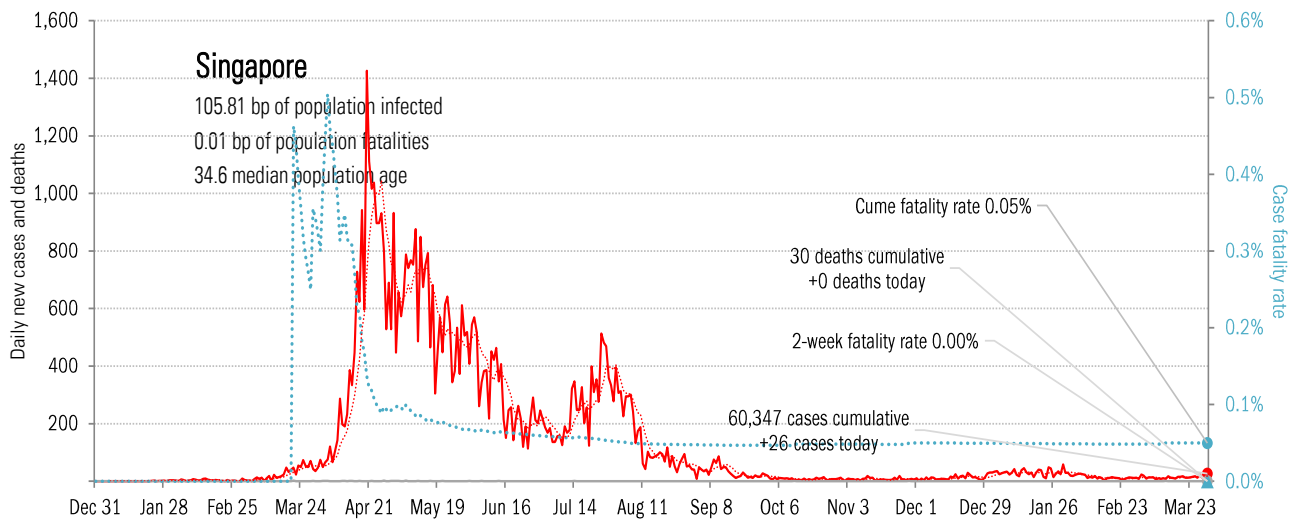
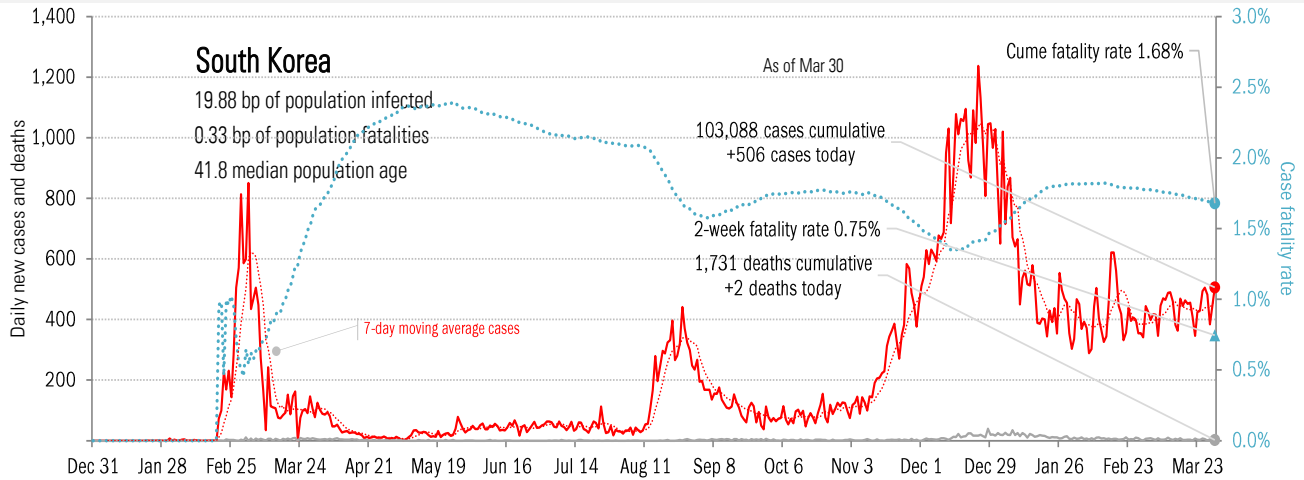
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



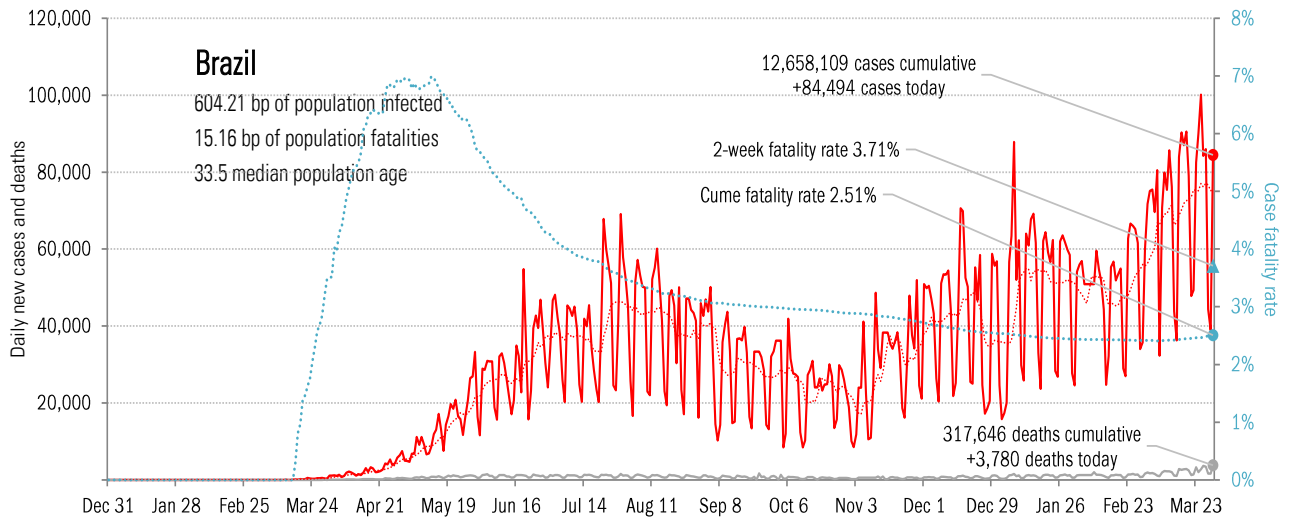
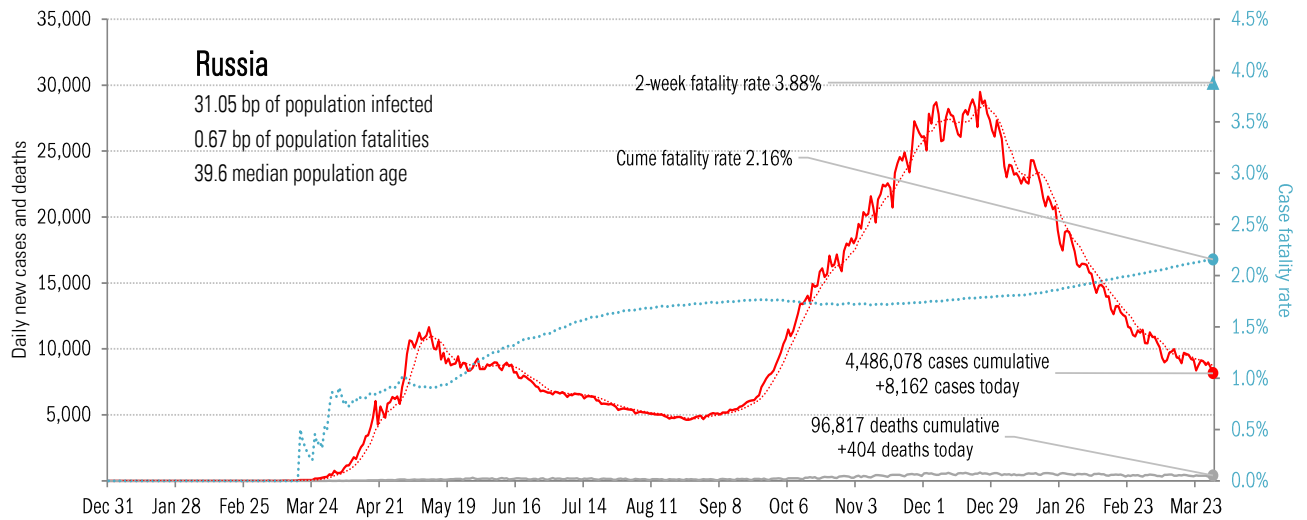
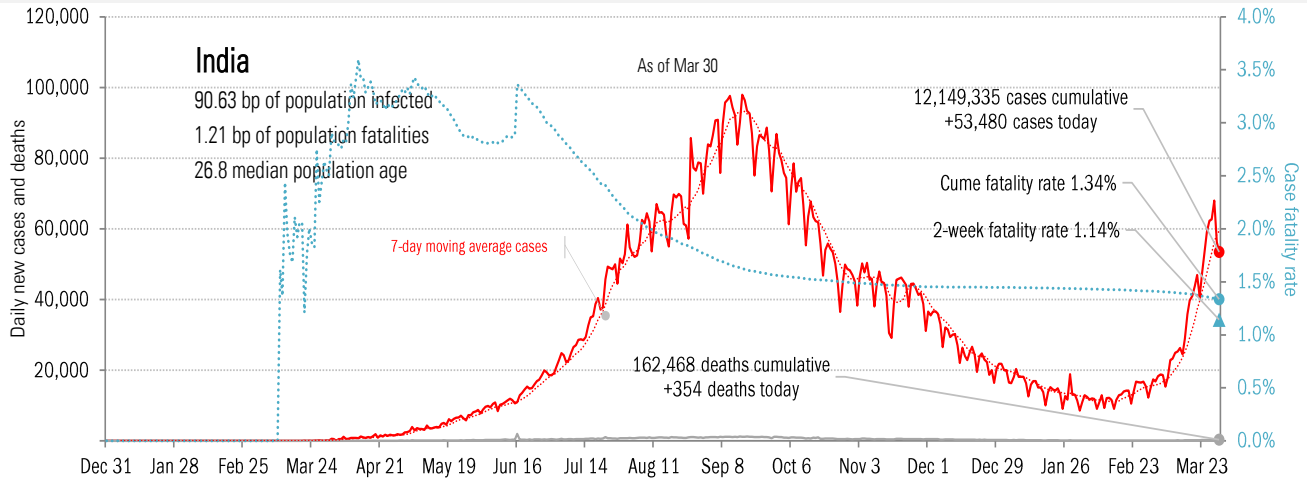
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



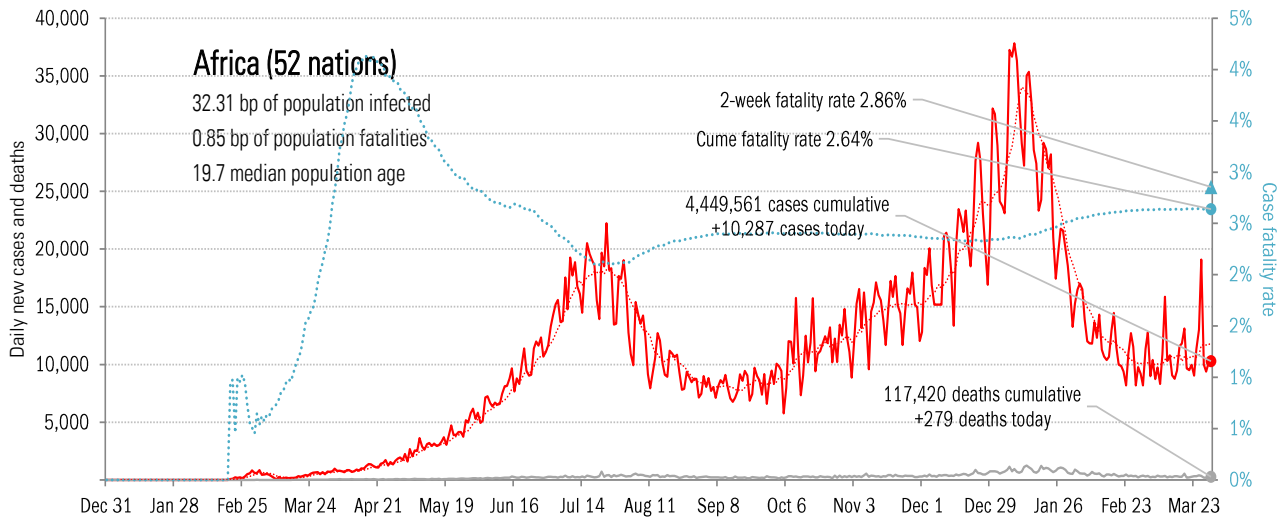
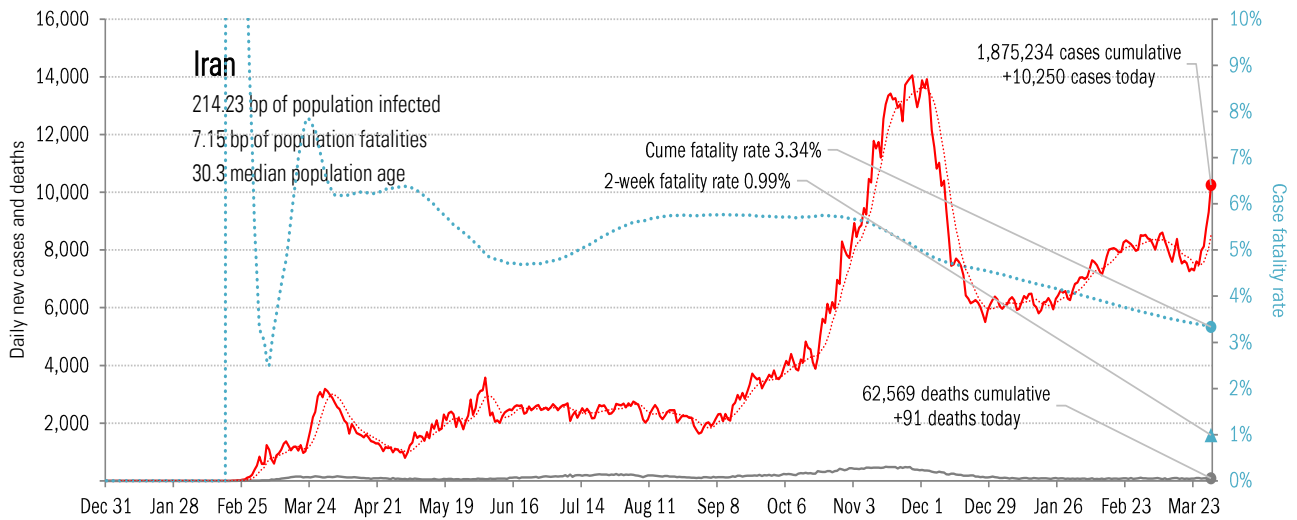
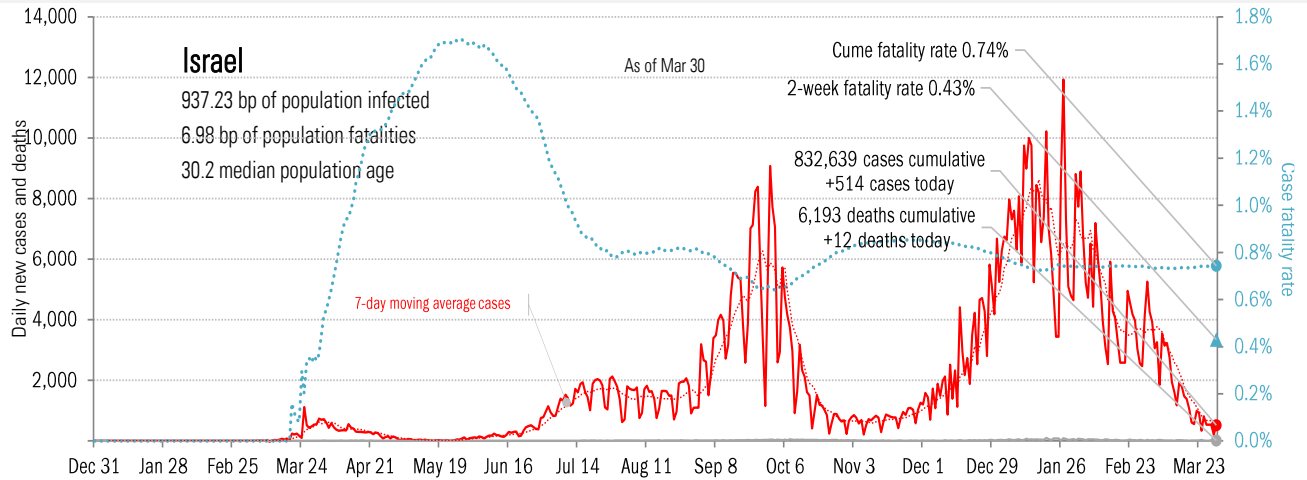
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



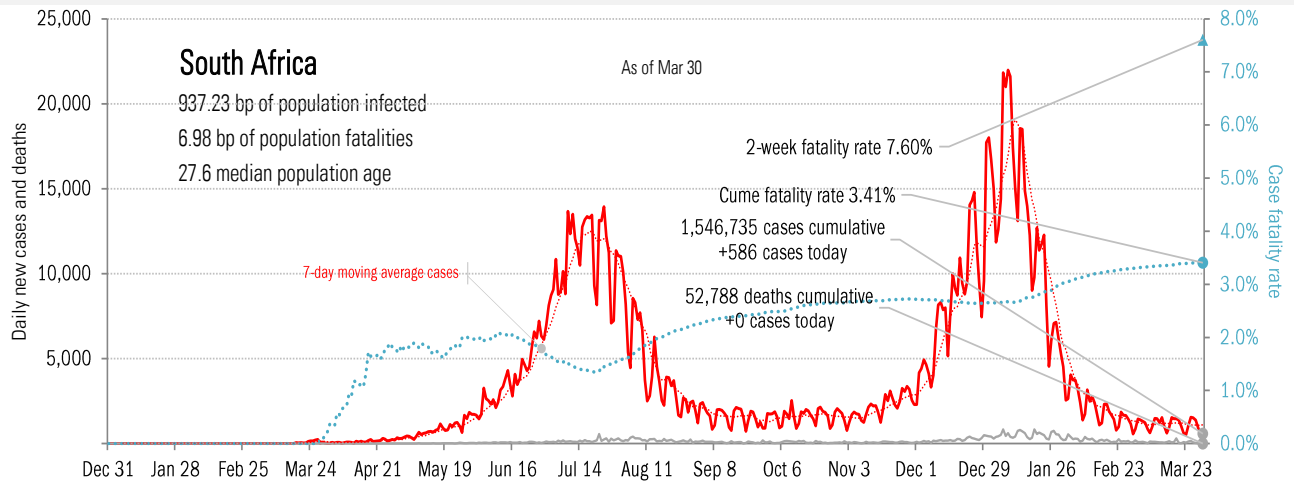
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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