

Data Insights: Covid-2019 Monitor

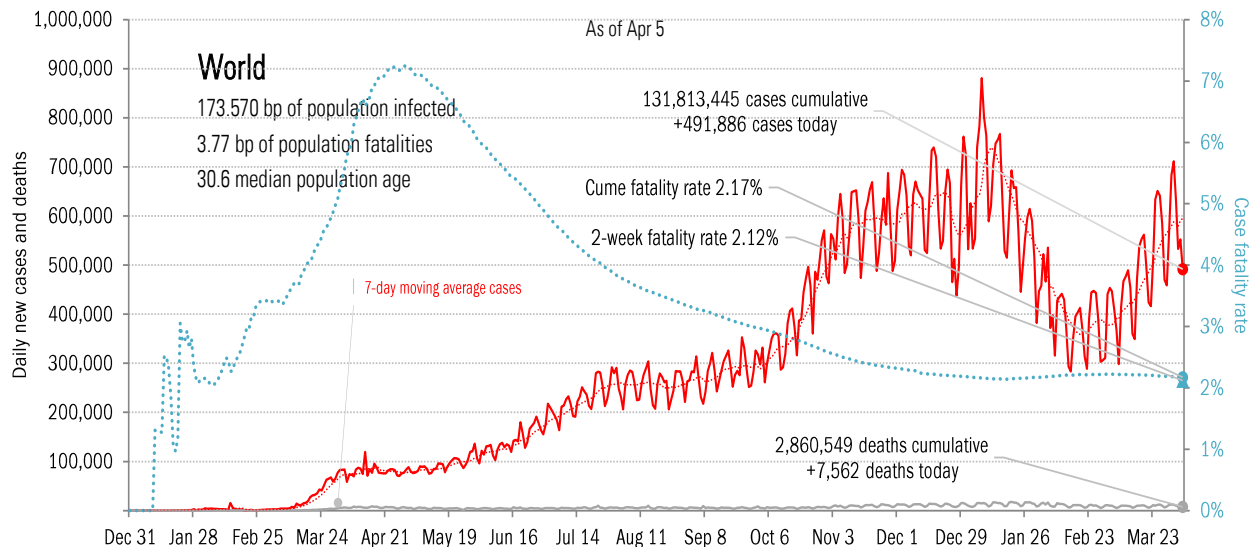
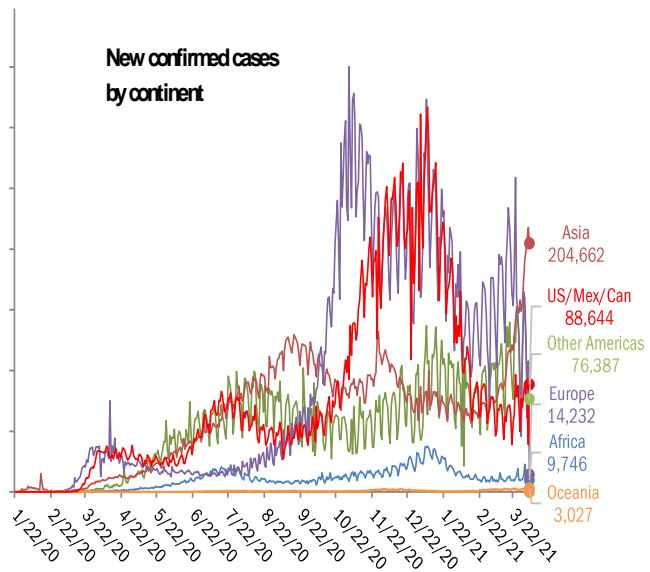
Tuesday, April 6, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+96,982	Brazil	+1,319
United States	+79,075	United States	+607
Turkey	+42,551	India	+446
Brazil	+28,645	Russia	+336
Iran	+13,890	Italy	+296
Argentina	+13,667	Argentina	+272
France	+10,797	Peru	+261
Italy	+10,680	Ukraine	+261
Spain	+10,360	Mexico	+252
Ukraine	+10,300	Hungary	+213
+316,947		+4,263	
World +491,886		World +7,562	
Topten 64%		Topten 56%	

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

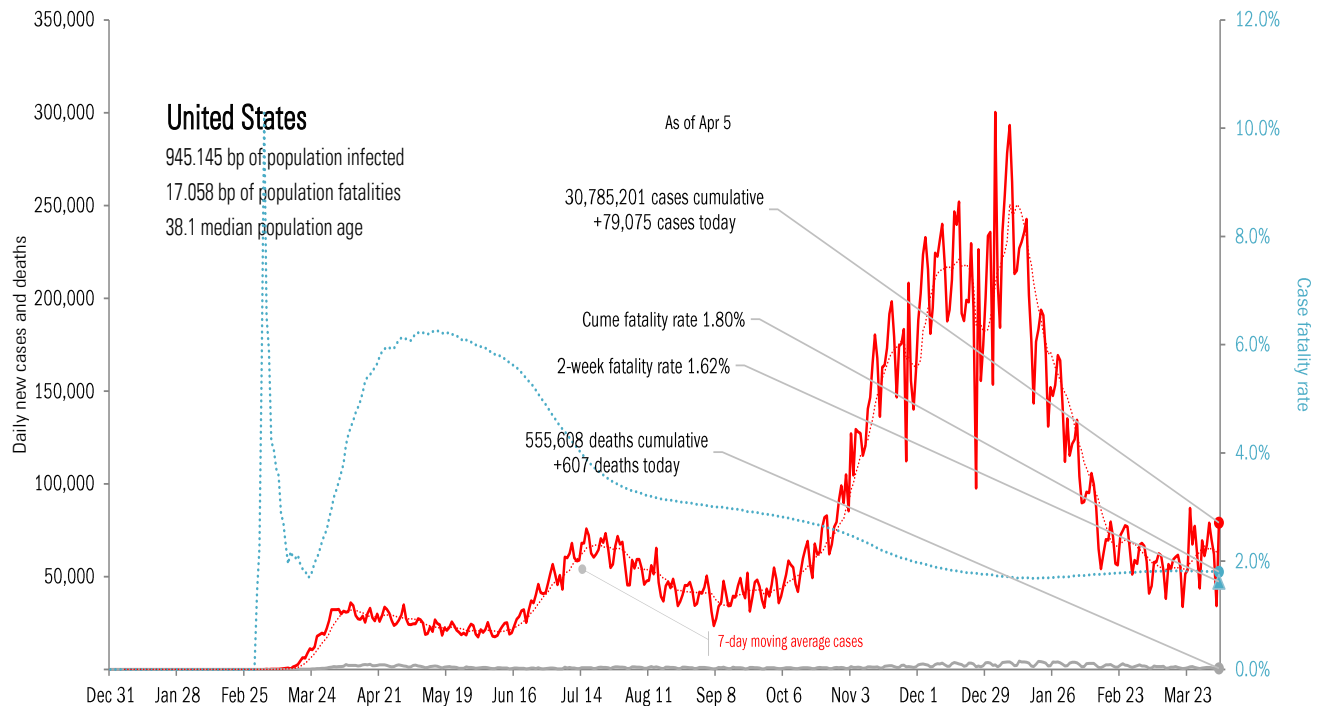
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MI	+11,082		CA	+185		FR	+199		CA	3,682,861		CA	59,799		TX	227,856		R	90%	MI	22%
CA	+7,589		NY	+73		MI	+167		TX	2,806,908		NY	50,706		CA	223,829		MD	83%	MD	21%
NY	+6,659		MA	+44		PA	+66		FL	2,085,306		TX	48,729		FL	154,044		MA	83%	NY	19%
NC	+6,401		NC	+37		IL	+50		NY	1,912,396		FL	33,710		NY	117,289		CT	79%	PA	14%
TX	+4,683		FL	+36		IN	+29		IL	1,258,630		PA	25,180		GA	95,447		PA	79%	MN	13%
PA	+4,204		TX	+32		MN	+24		GA	1,065,197		NJ	24,649		CH	76,322		MI	78%	WV	13%
FL	+3,480		VA	+31		FL	+20		PA	1,047,728		IL	23,665		PA	75,283		MO	78%	TX	13%
TN	+3,408		MI	+23		SC	+20		CH	1,026,929		GA	19,212		IL	69,309		FL	78%	DC	13%
MA	+2,988		KY	+22		NC	+19		NJ	930,026		CH	18,643		KY	68,680		WV	77%	ID	13%
CH	+2,918		CT	+19		WA	+19		NC	922,560		MA	17,325		AZ	58,624		GA	76%	NJ	13%
+53,412			+502			+613			16,738,541			321,618			1,166,683						
All states	+79,075		+607			+447			All states	30,785,201		555,608			2,077,072			All states	70%	67%	
Top ten	68%		83%			137%			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	
FL	-1,314	VA	-11	NY	-162	ME	+78 bp
NY	-977	NY	-9	CH	-133	VT	+75 bp
NJ	-968	IL	-8	NJ	-73	RI	+72 bp
MD	-810	KS	-5	VA	-53	CT	+63 bp
FR	-426	FR	-5	GA	-39	WA	+61 bp

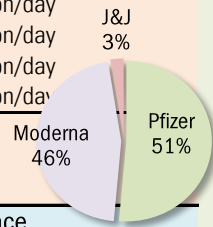


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

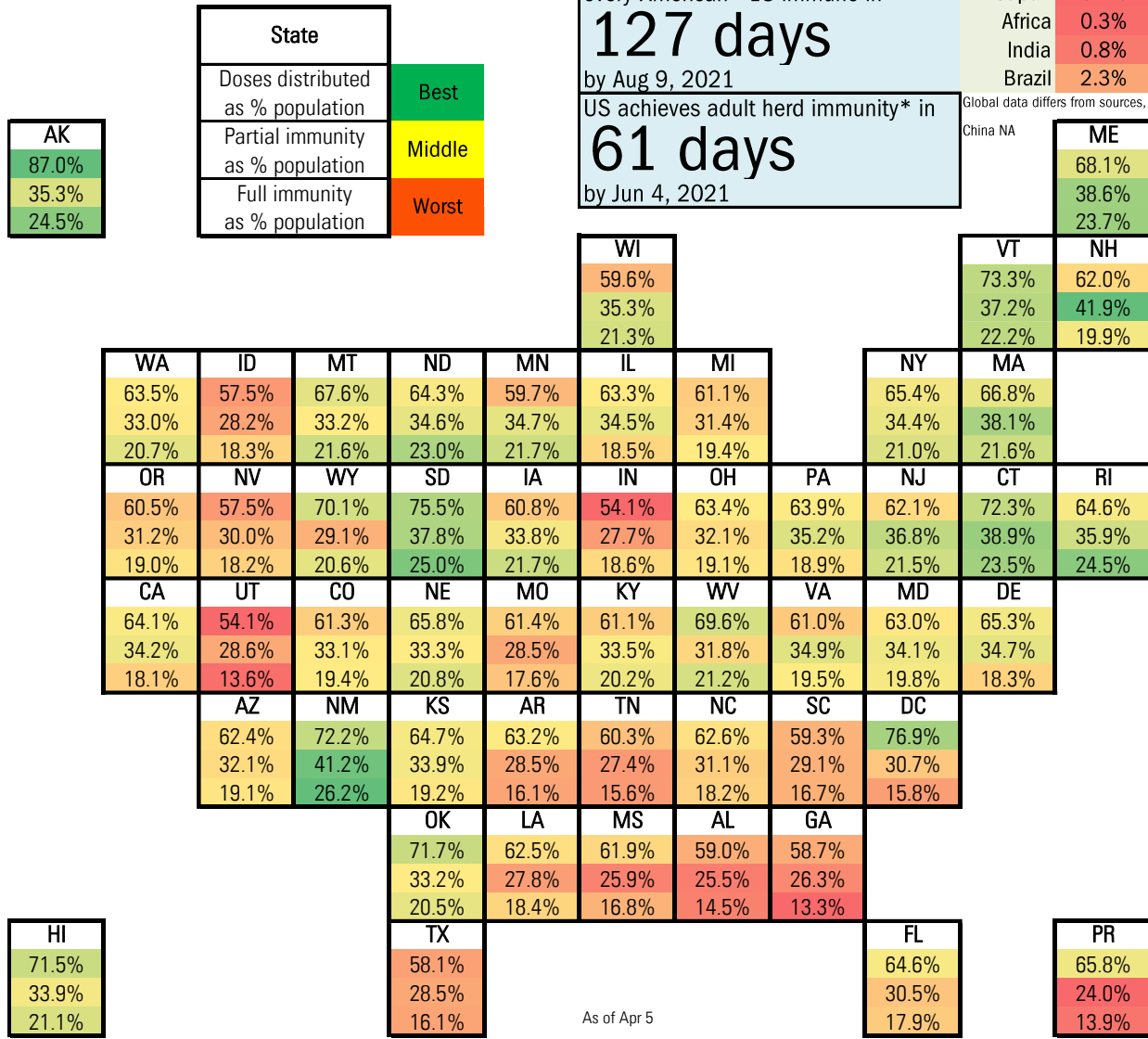
US overall	Over last day	Immunity	Full	Partial
217.16 million doses distributed	+0.00 million/day	US	18.7%	32.2%
173.90 million doses administered	+2.17 million/day	UK	8.0%	46.5%
111.18 million persons partially immunized	+1.31 million/day	France	4.6%	13.6%
64.96 million persons fully immunized	+1.00 million/day	Spain	6.1%	12.6%
7.74 million shots long-term care residents/staff	+0.00 million/day	Germany	5.2%	12.0%
		Italy	5.8%	12.9%
		Australia	0.7%	0.6%
		Israel	56.2%	61.0%
		Canada	1.9%	15.5%
		Japan	0.2%	0.8%
		Africa	0.3%	0.6%
		India	0.8%	5.2%
		Brazil	2.3%	8.1%

80.1% of distributed doses administered
33.3% of US pop partial **19.4% full immunity**
100% of LTC partial **63.6% full immunity**



At today's dosing pace,
 every American >18 immune in
127 days
 by Aug 9, 2021
 US achieves adult herd immunity* in
61 days
 by Jun 4, 2021

Global data differs from sources, timing



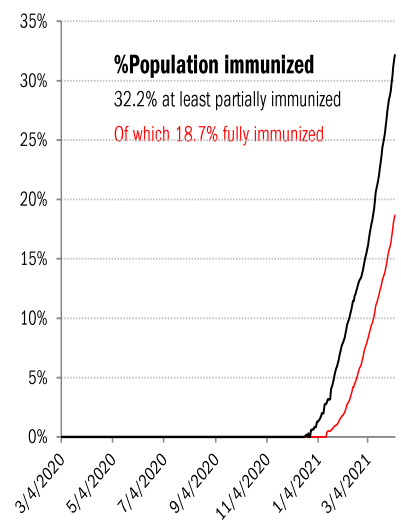
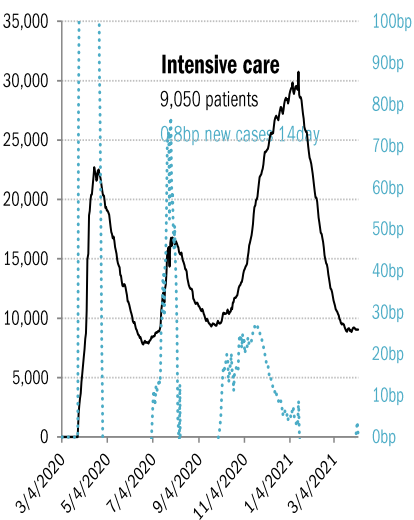
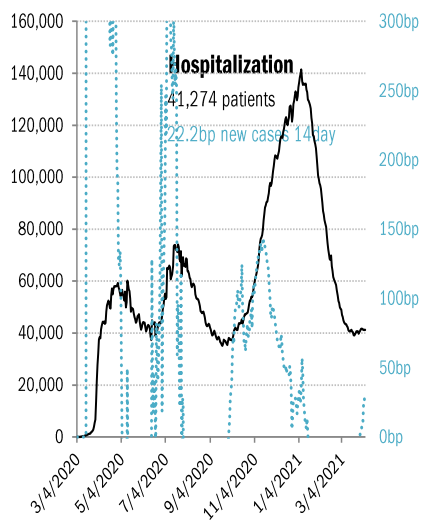
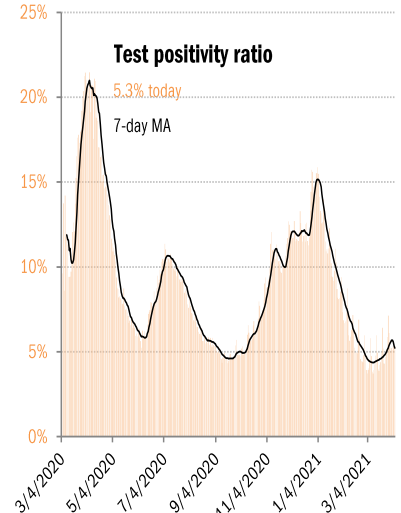
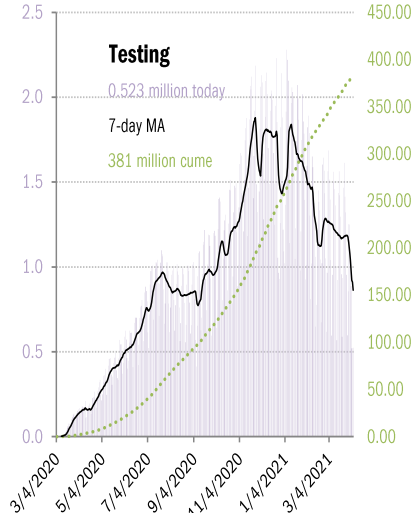
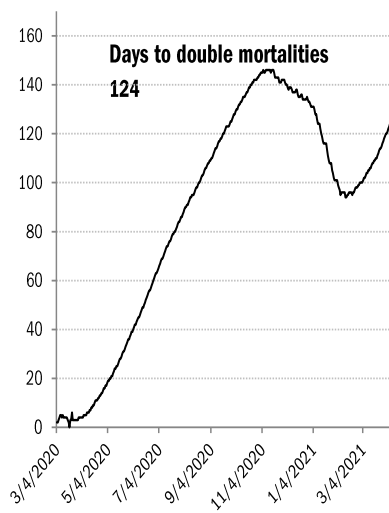
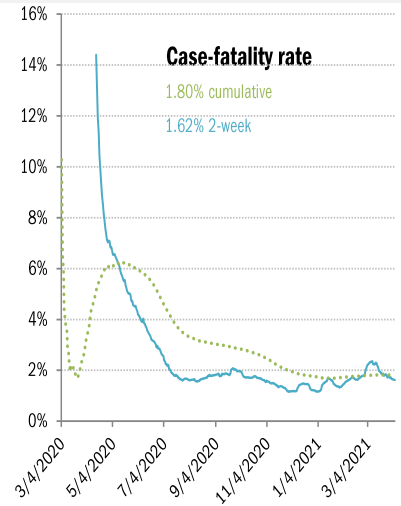
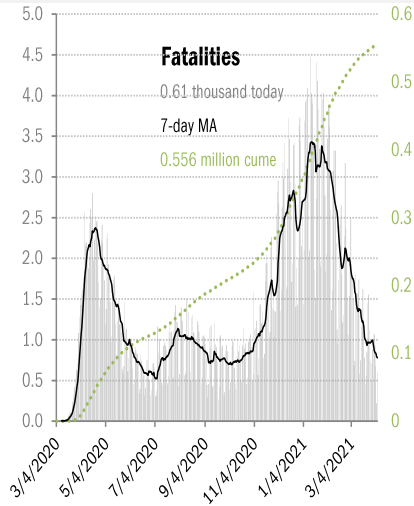
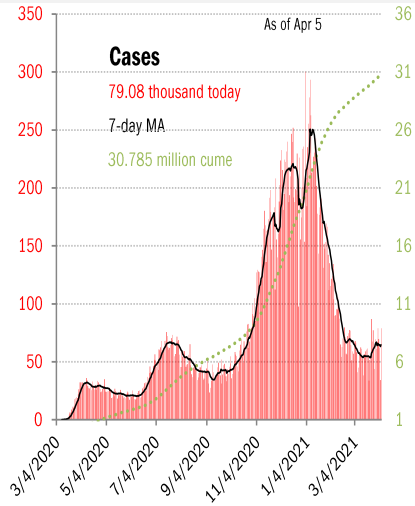
As of Apr 5

* Adult herd immunity is 60% of population over 18 years either fully vaccinated or prior tested positive, no overlap

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

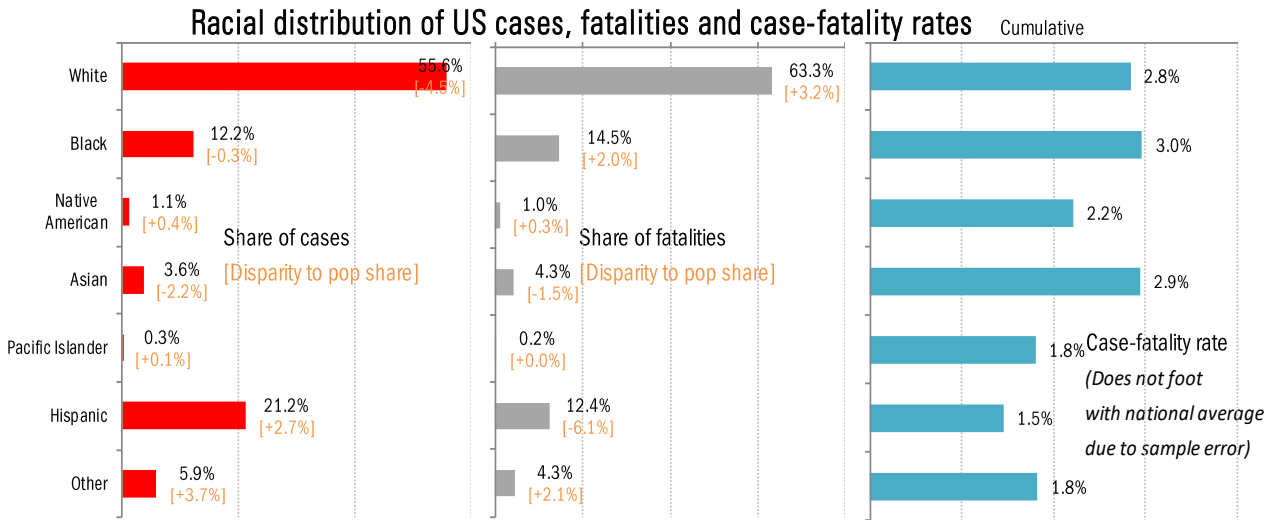
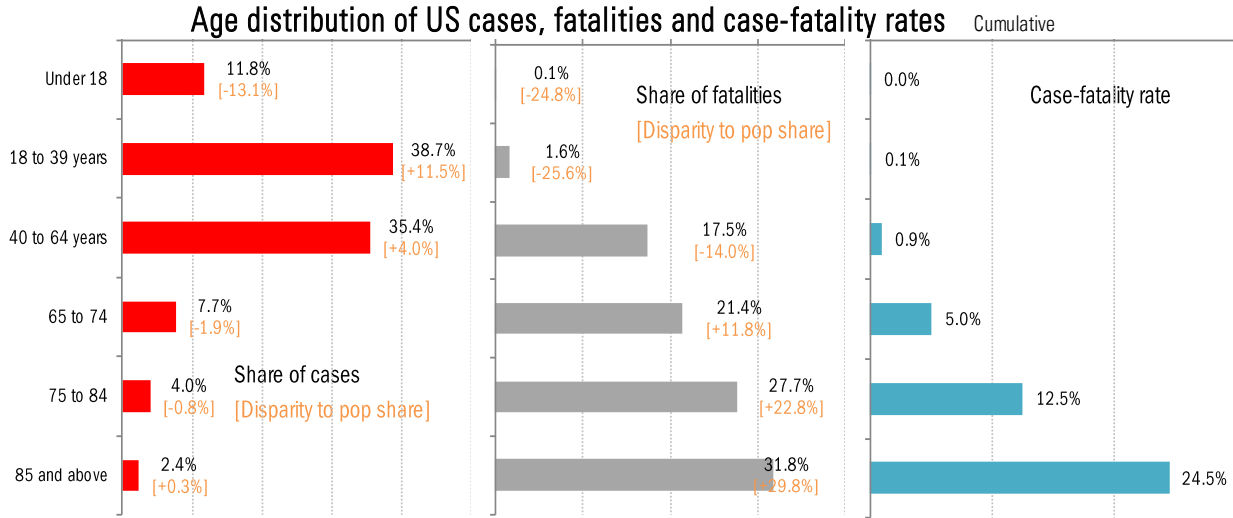
US deep-dive

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

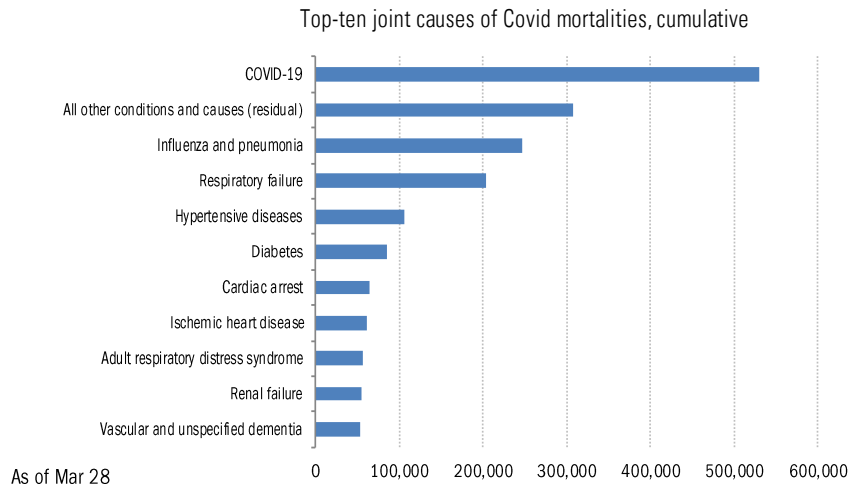


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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



Comorbidities



For 6% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Covid-19 Shut Schools Across Latin America, and Children Joined Gangs](#)

Kejal Vyas
Wall Street Journal
April 6, 2021

[Robert A. Mundell](#)

Wall Street Journal
April 5, 2021

[First case of India's 'double mutant' COVID-19 variant found in San Francisco Bay Area](#)

Joseph Choi
The Hill
April 5, 2021

[CBS' '60 Minutes' accused of editing exchange between DeSantis, reporter pushing 'pay for play' narrative](#)

Joseph A. Wulfsohn
Fox News
April 3, 2021

[April 2021 update to TIGER: The world economy stumbles toward a two-track recovery](#)

Darren Chang, Aryan Khanna, and Eswar Prasad
Brookings Institution
April 4, 2021

[Analysis: Randi Weingarten Says Her AFT Has Been 'Trying to Reopen Schools Since Last April.' What the Union's Locals Actually Did](#)

Mike Antonucci
The 74
April 1, 2021

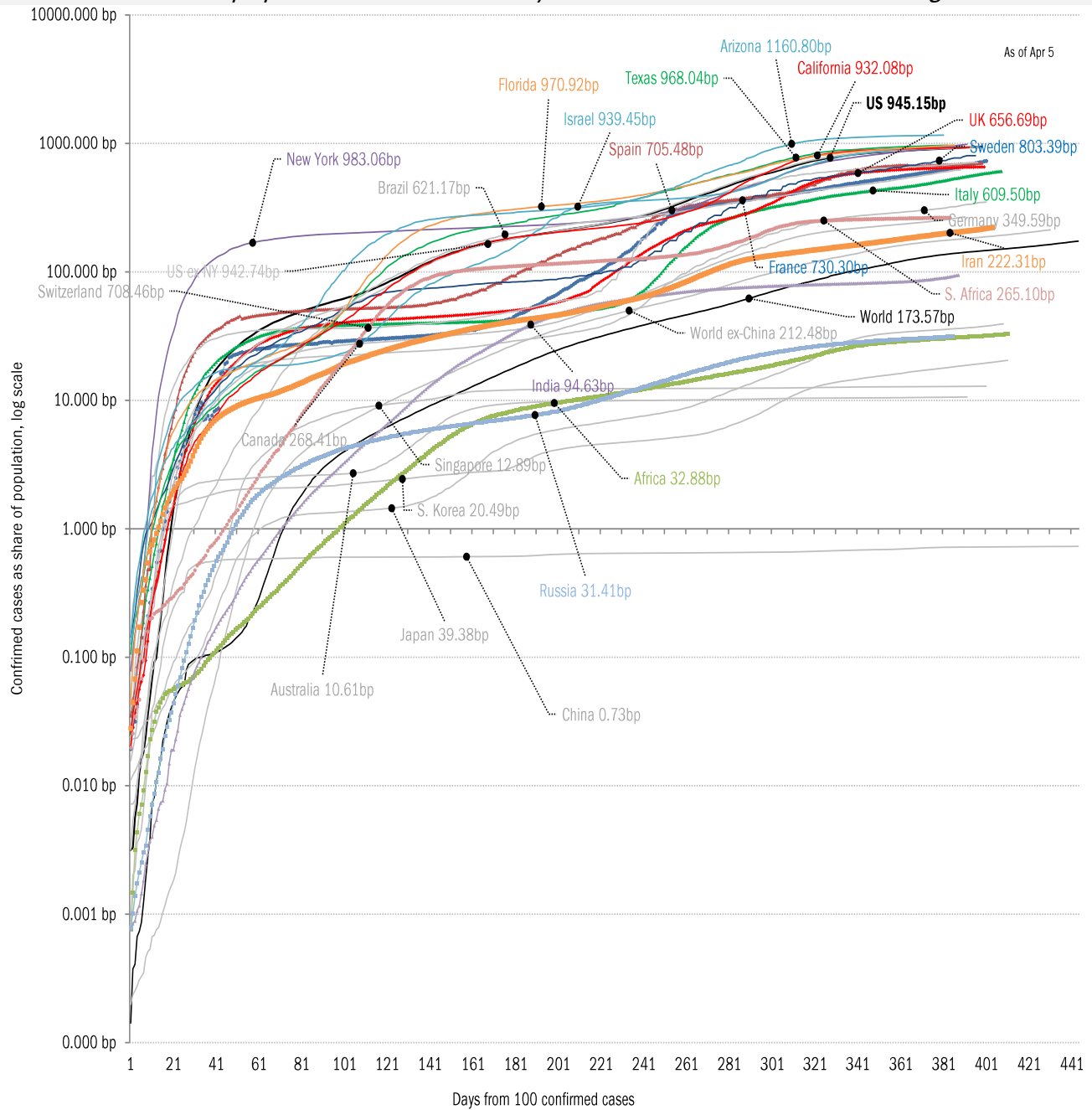
Meme of day

First professional soccer player vaccinated



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

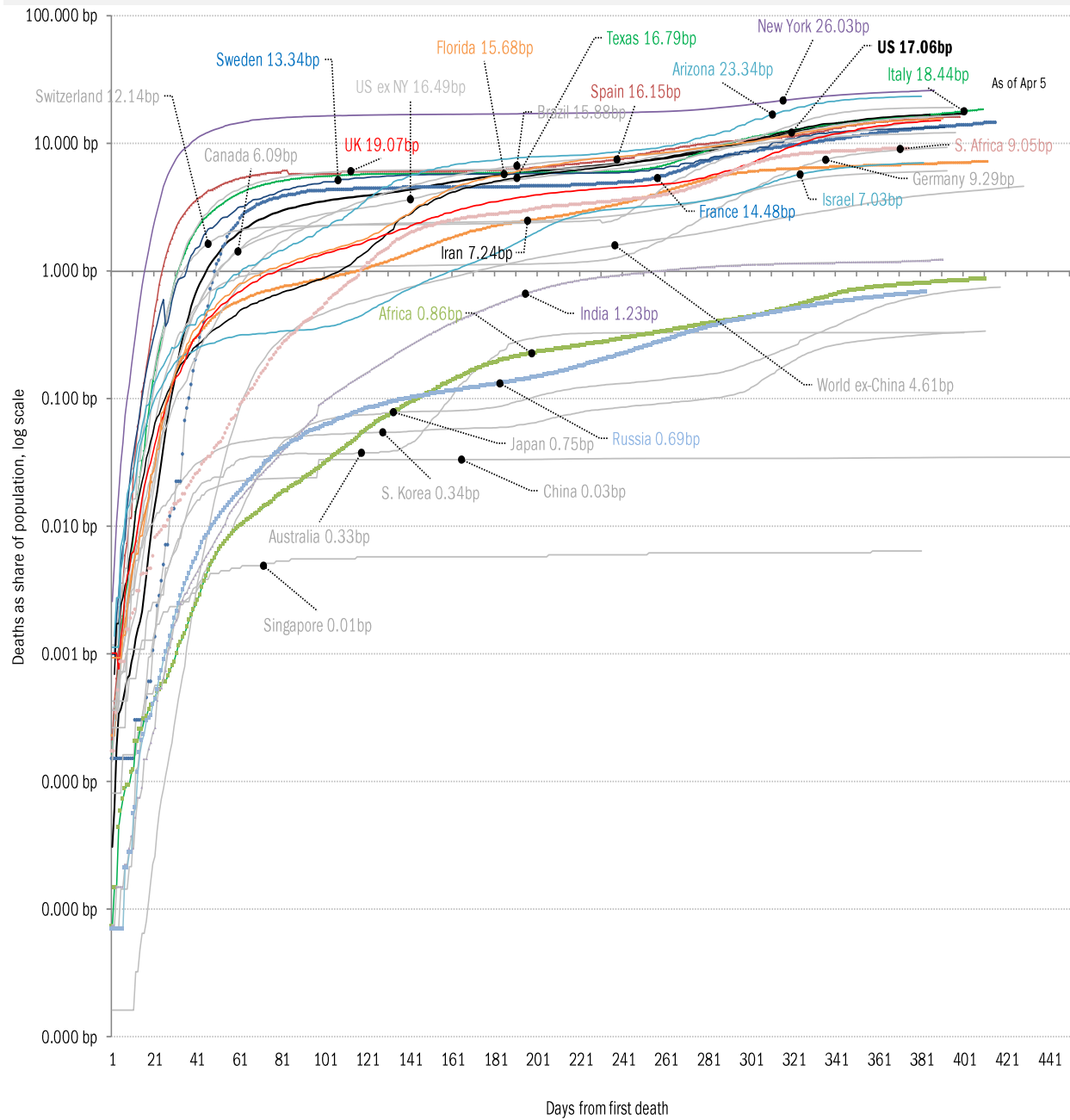
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

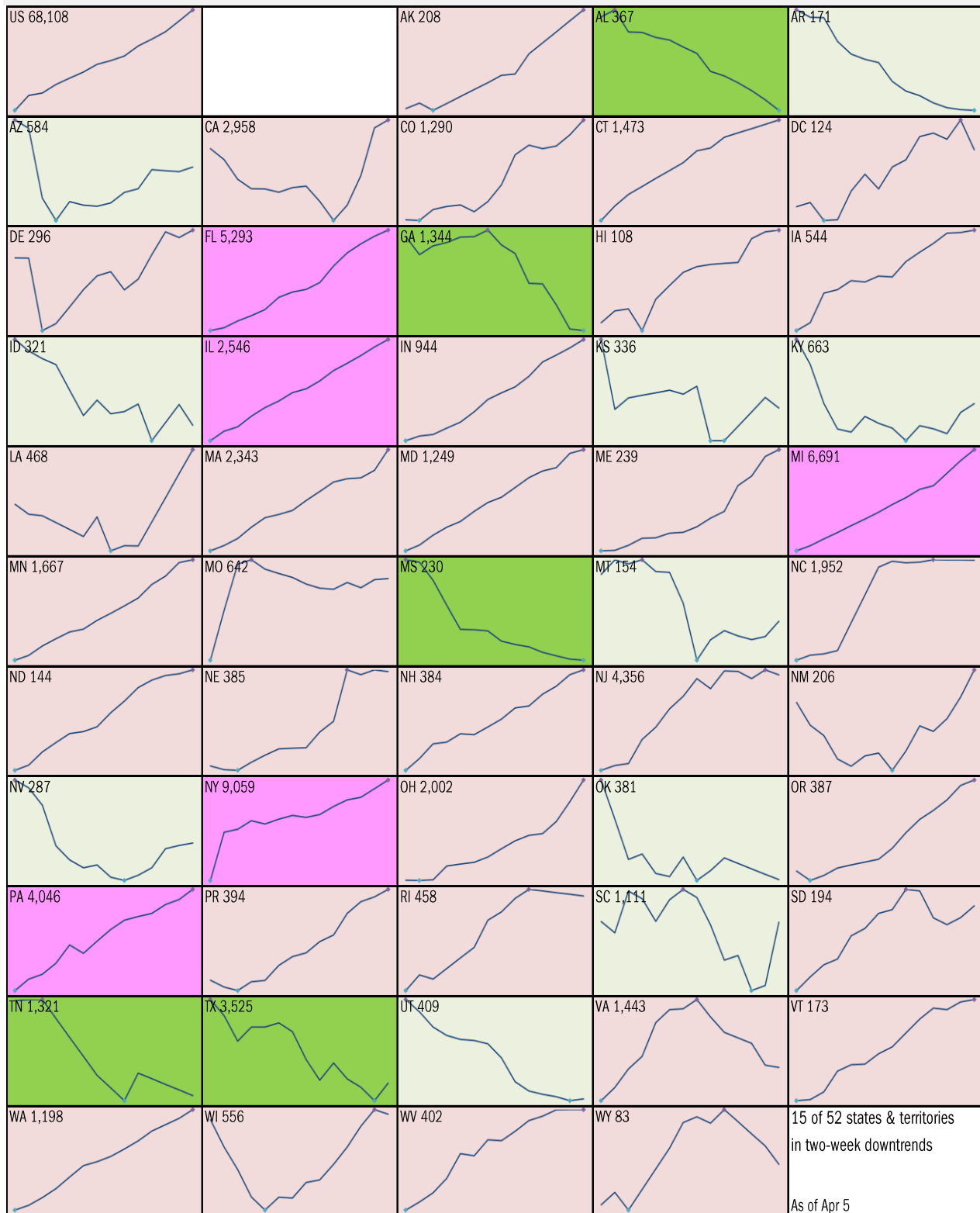


Source: [Johns Hopkins](#), TrendMacro calculations

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

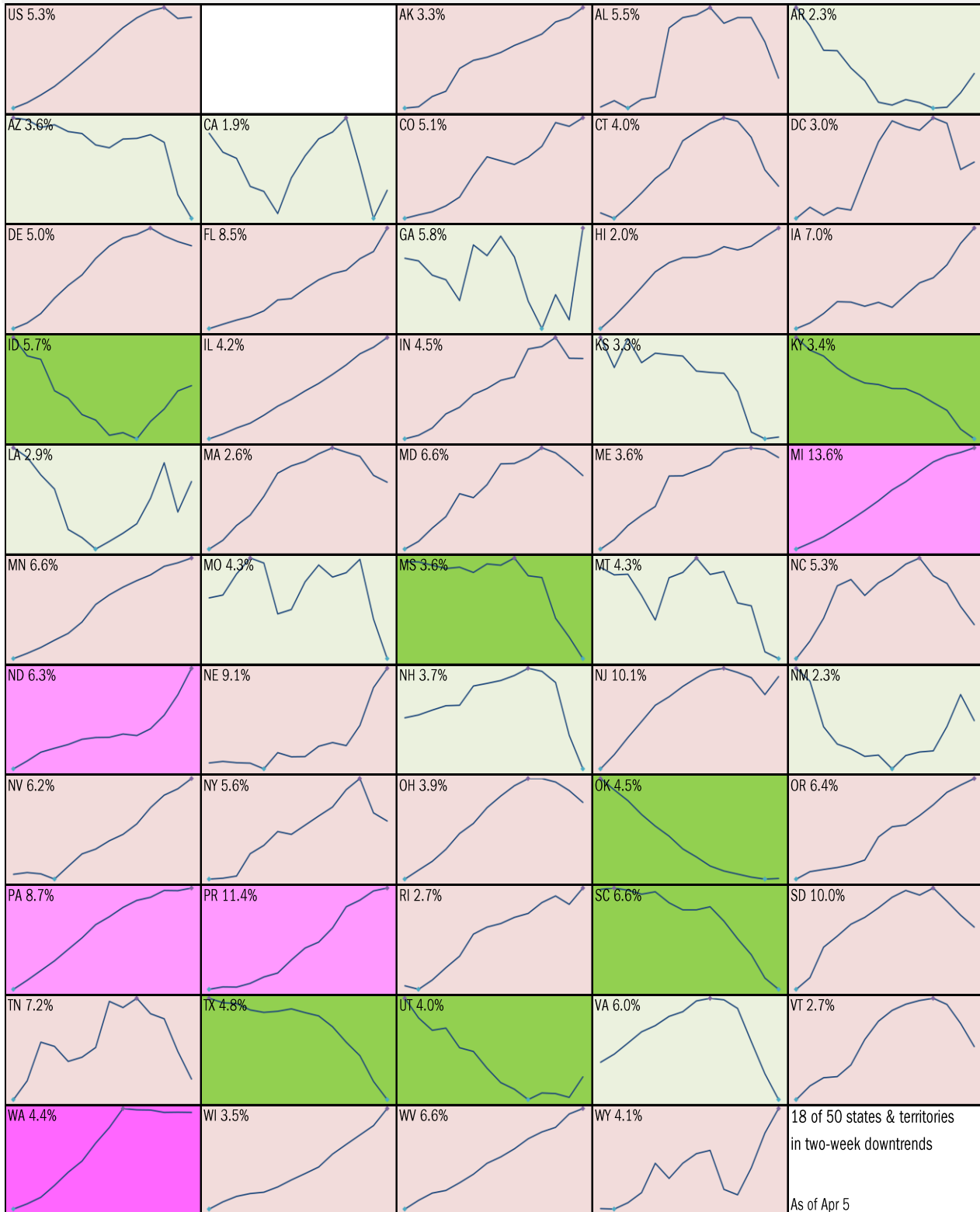


Source: [Johns Hopkins](#), TrendMacro calculations

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

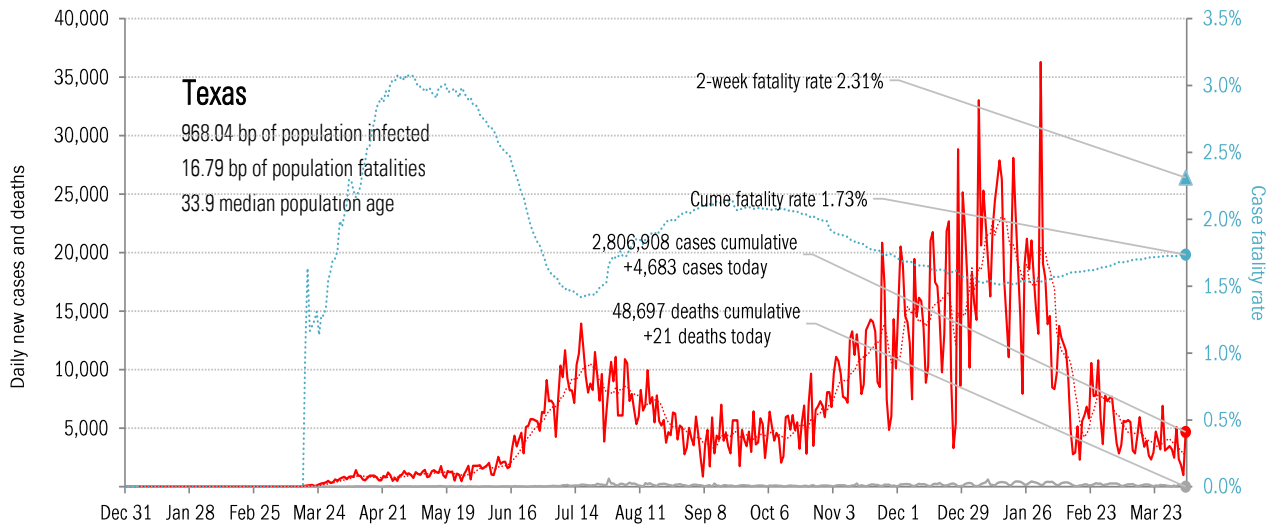
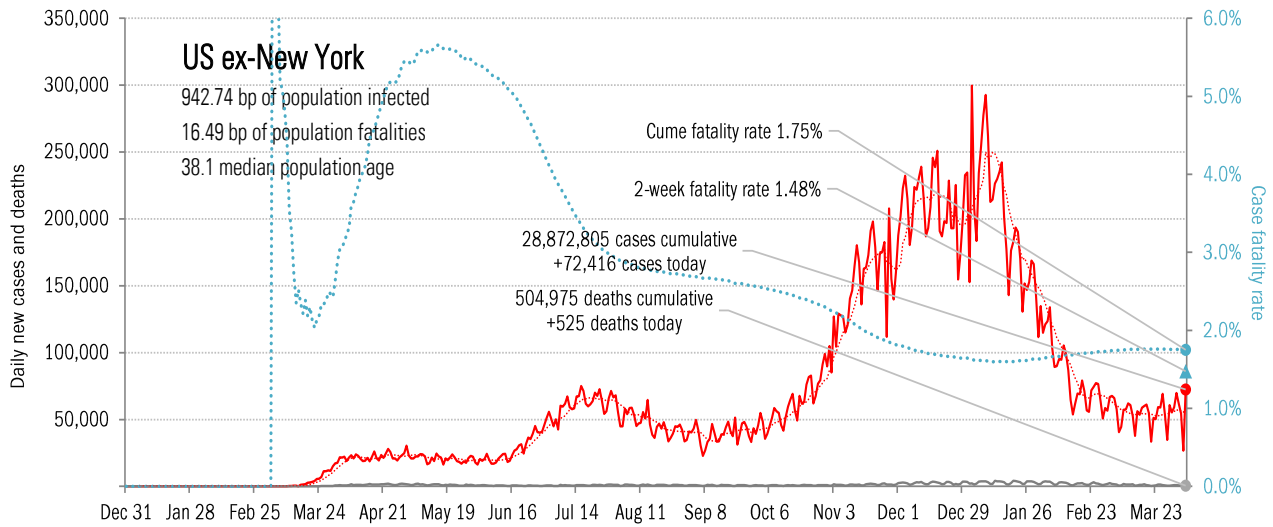
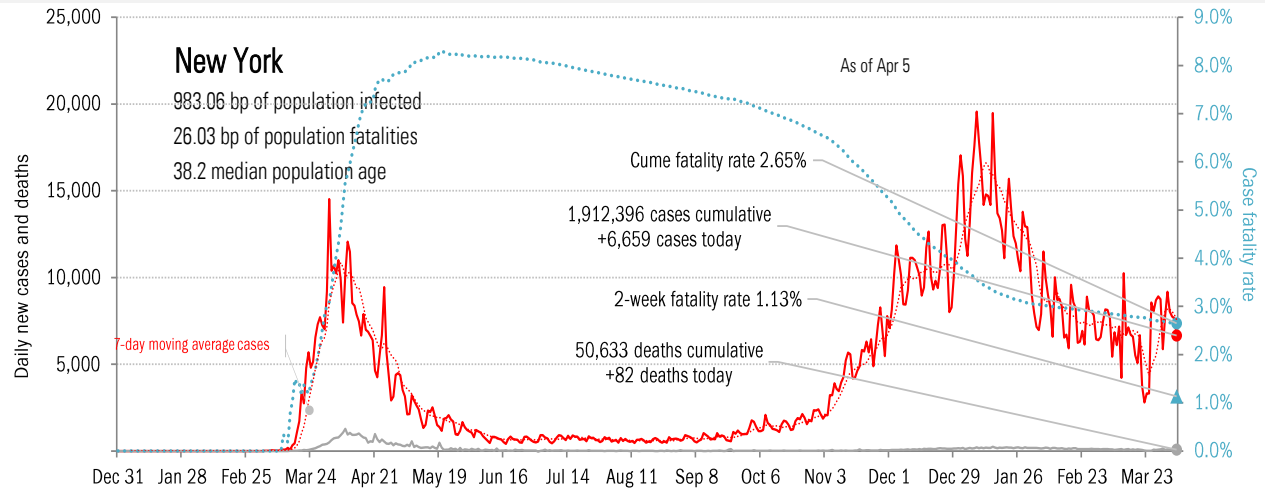
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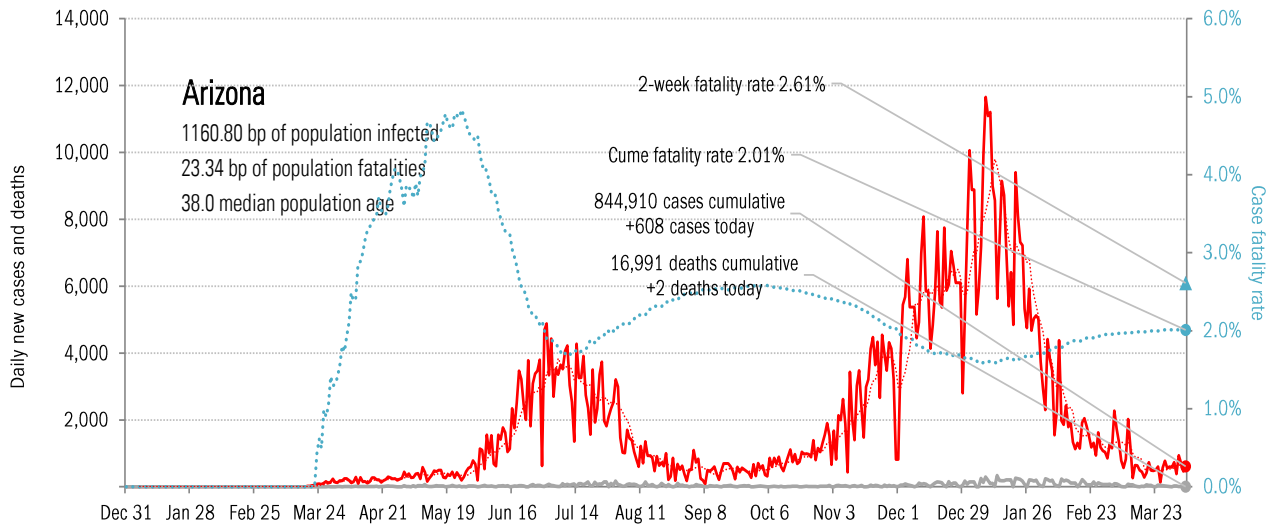
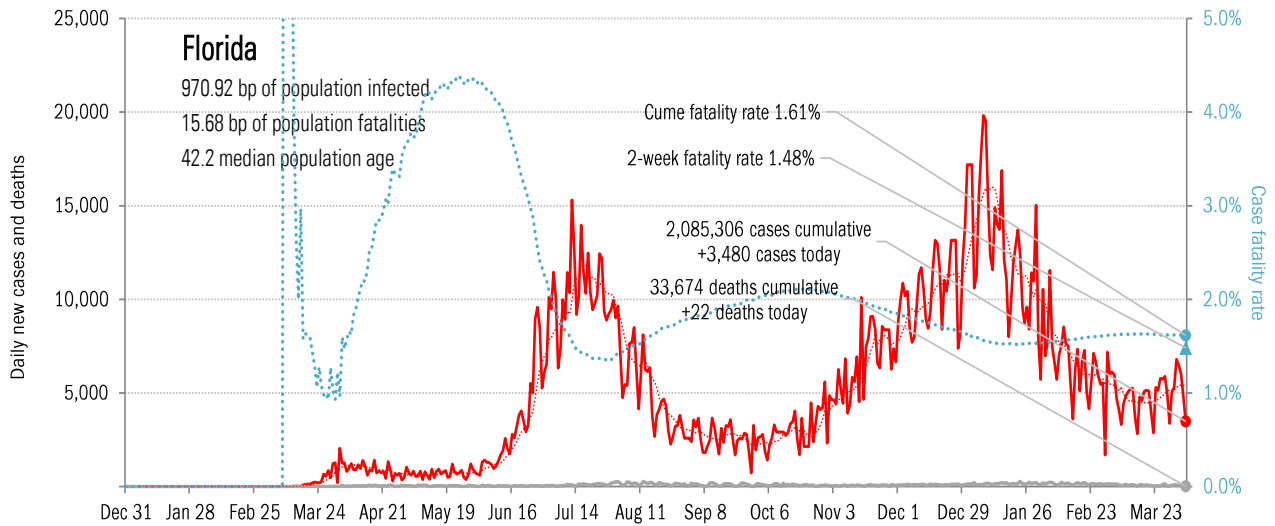
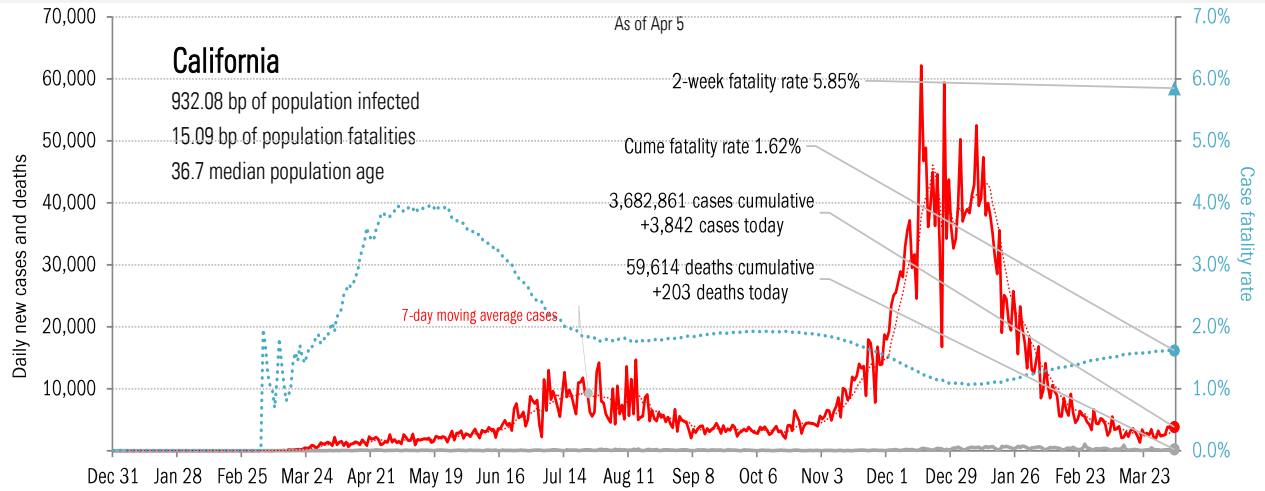
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



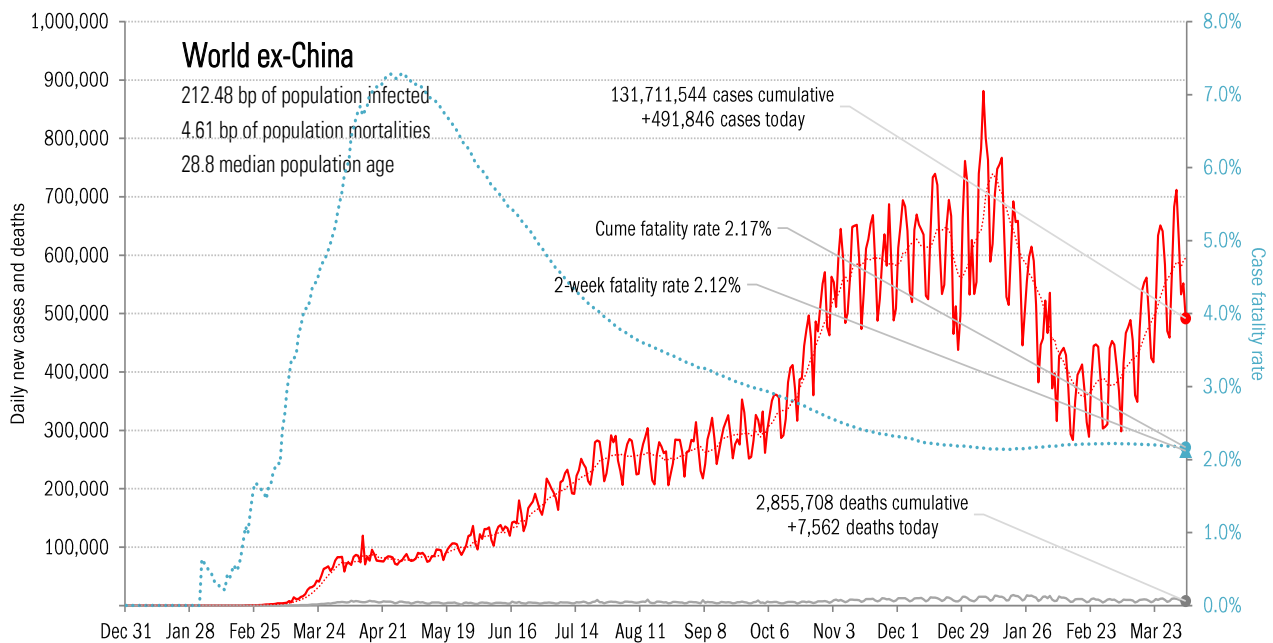
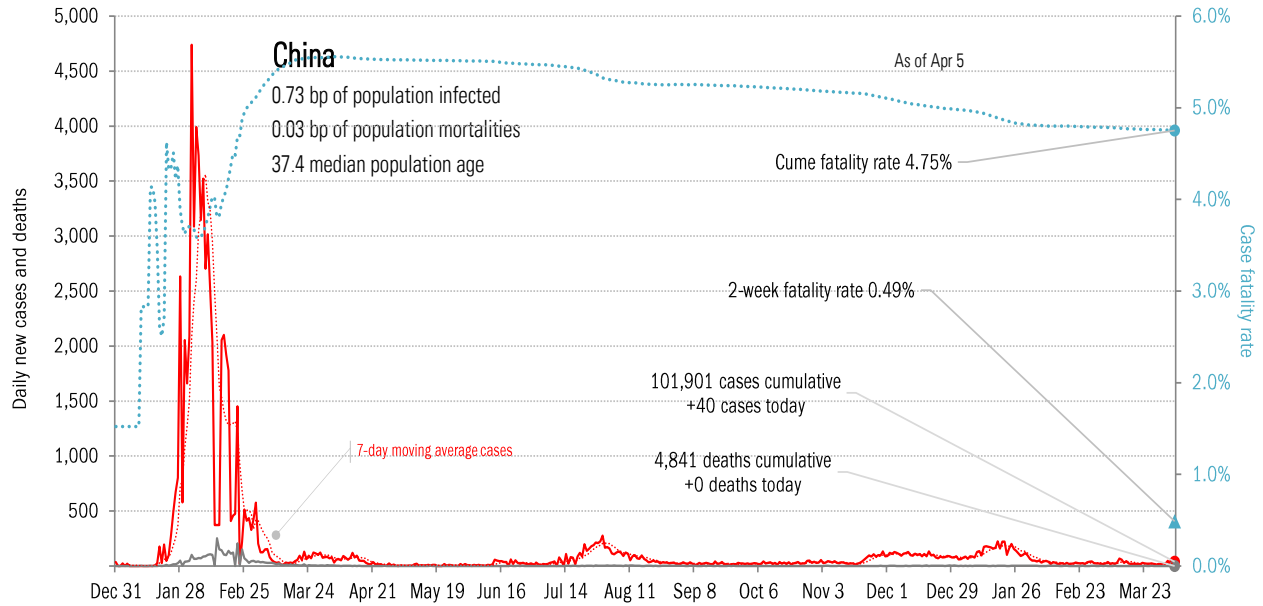
Source: [Johns Hopkins](#), TrendMacro calculations

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



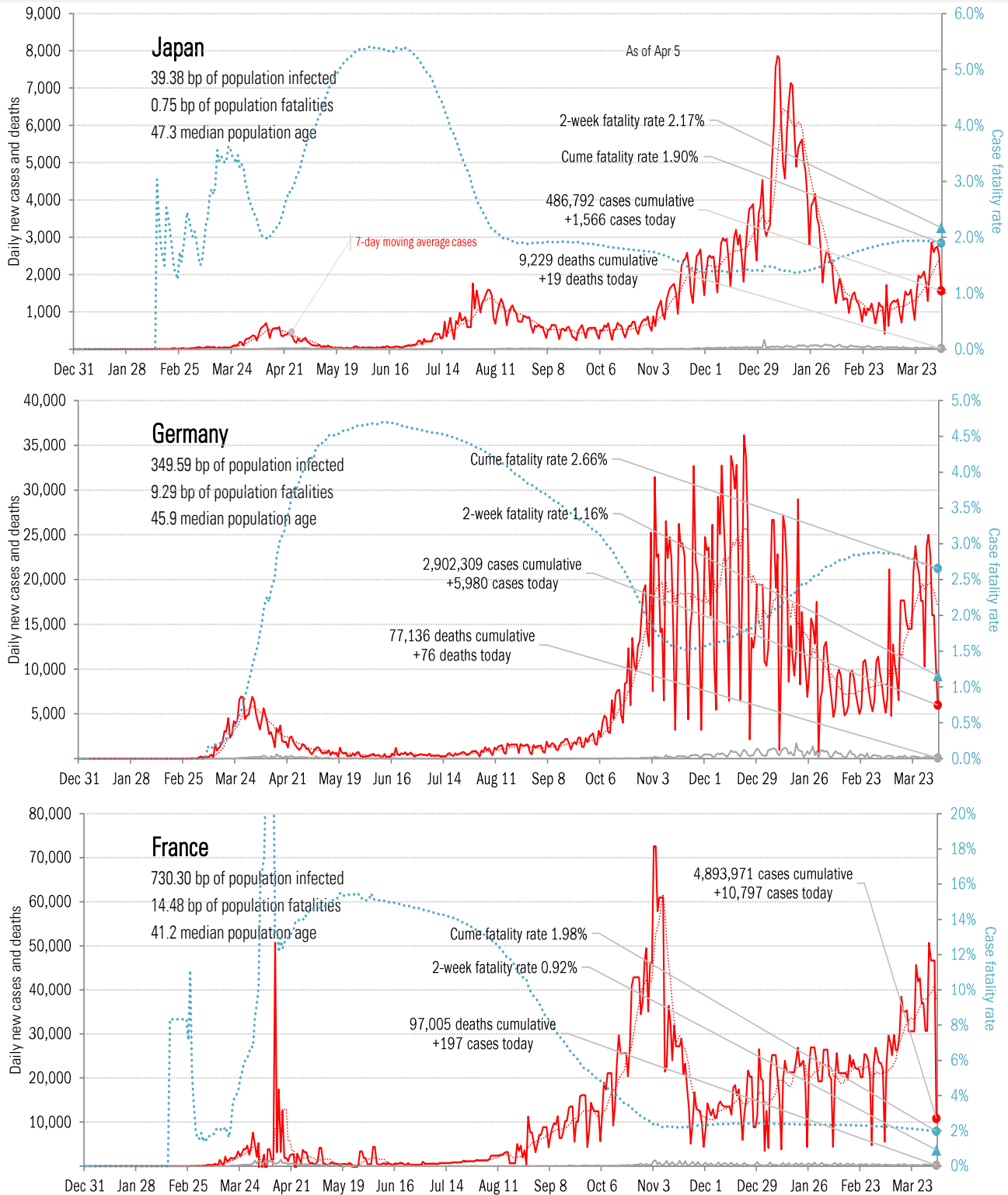
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



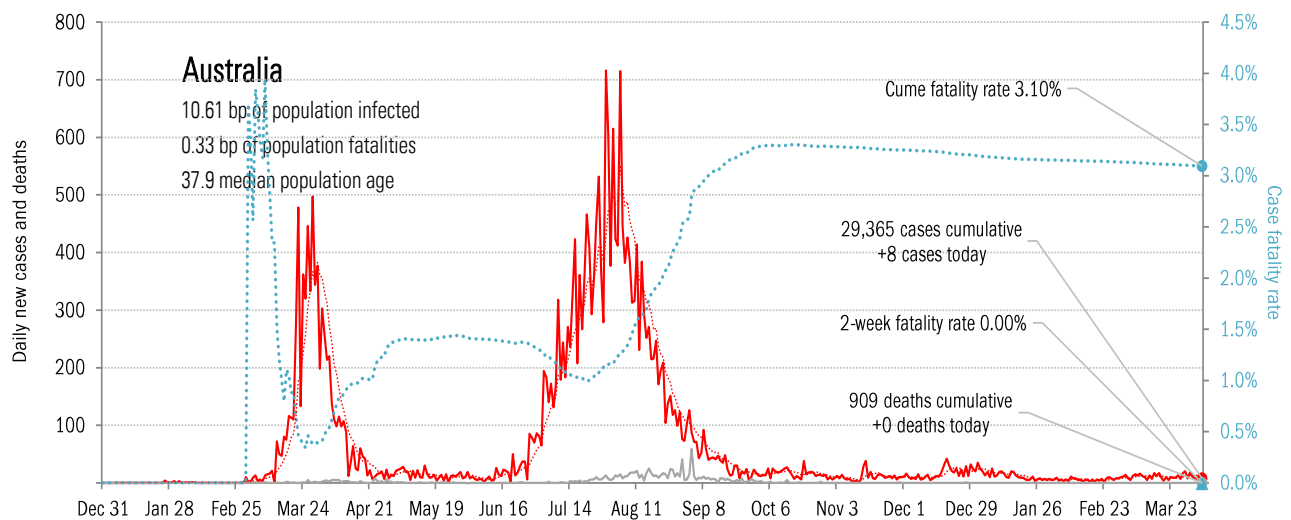
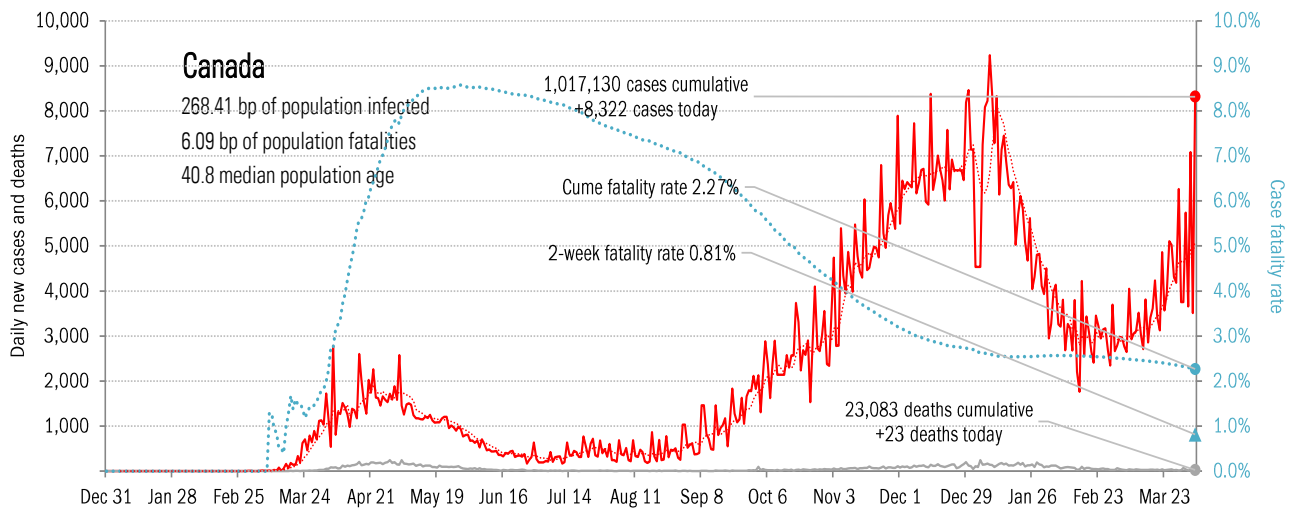
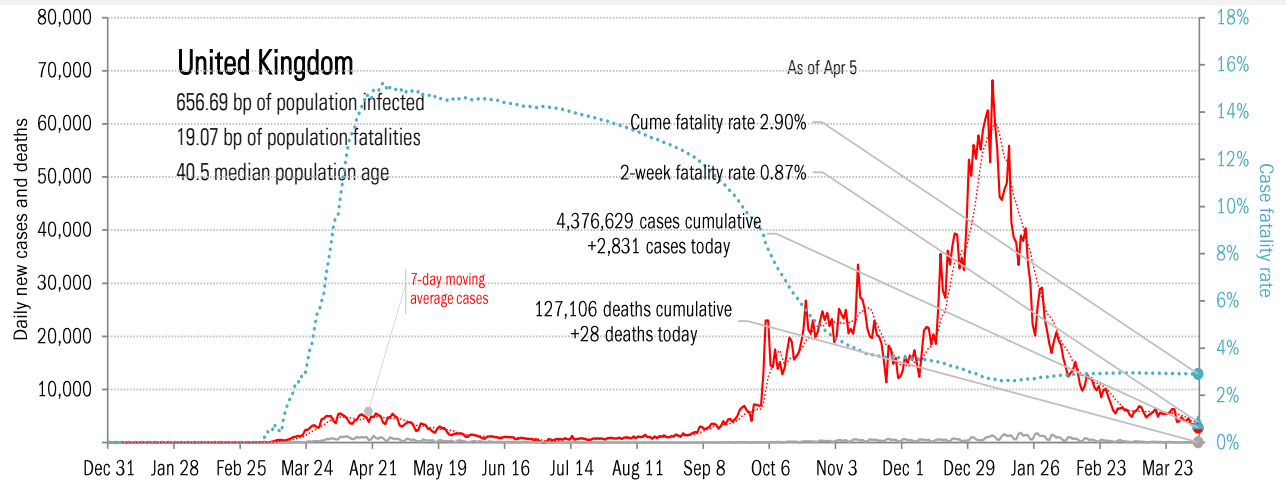
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



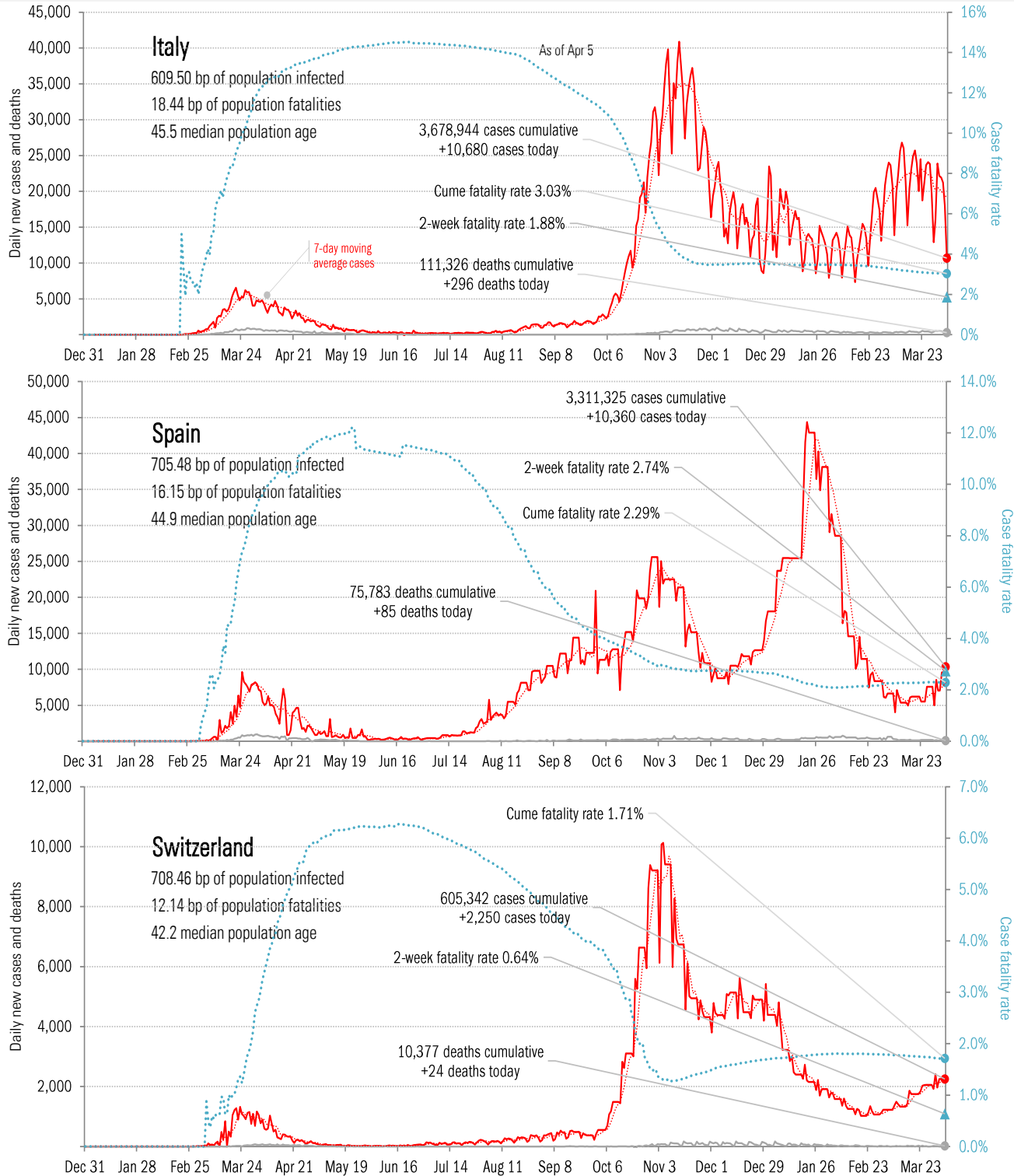
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



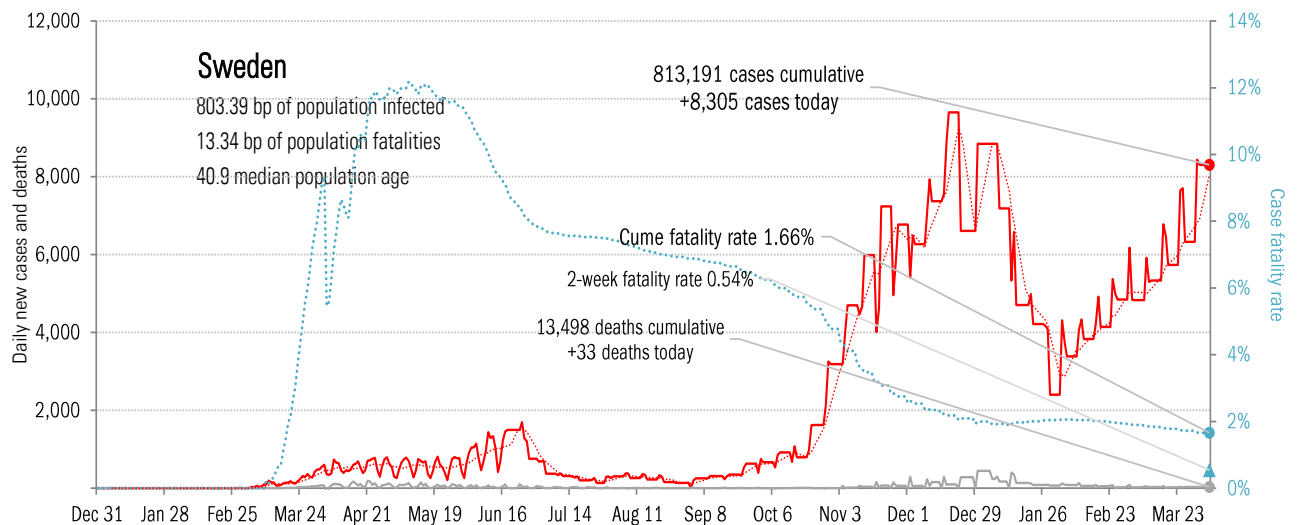
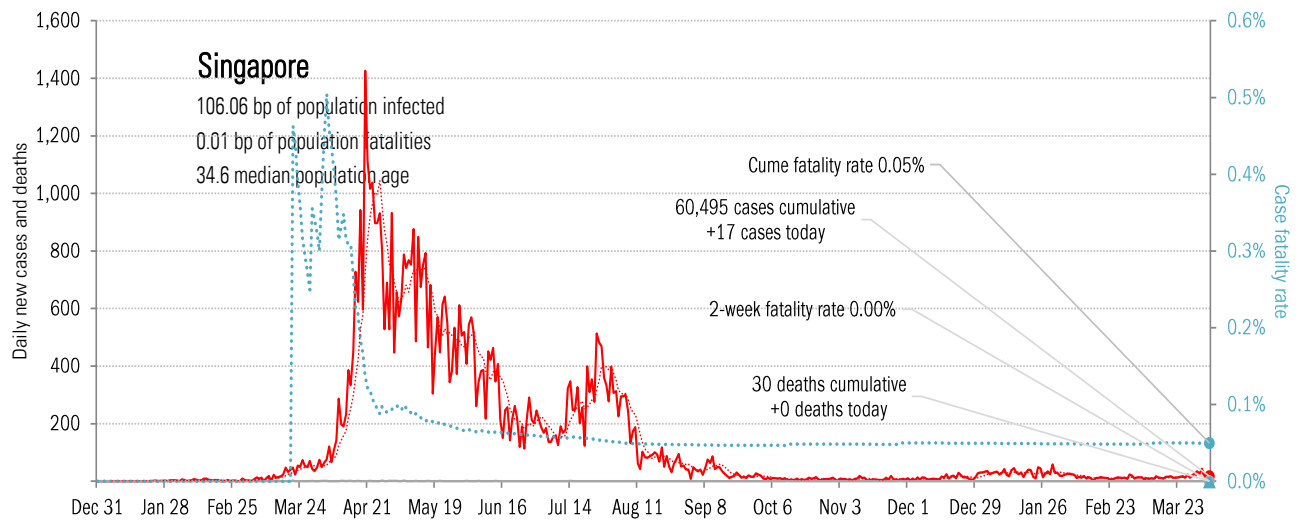
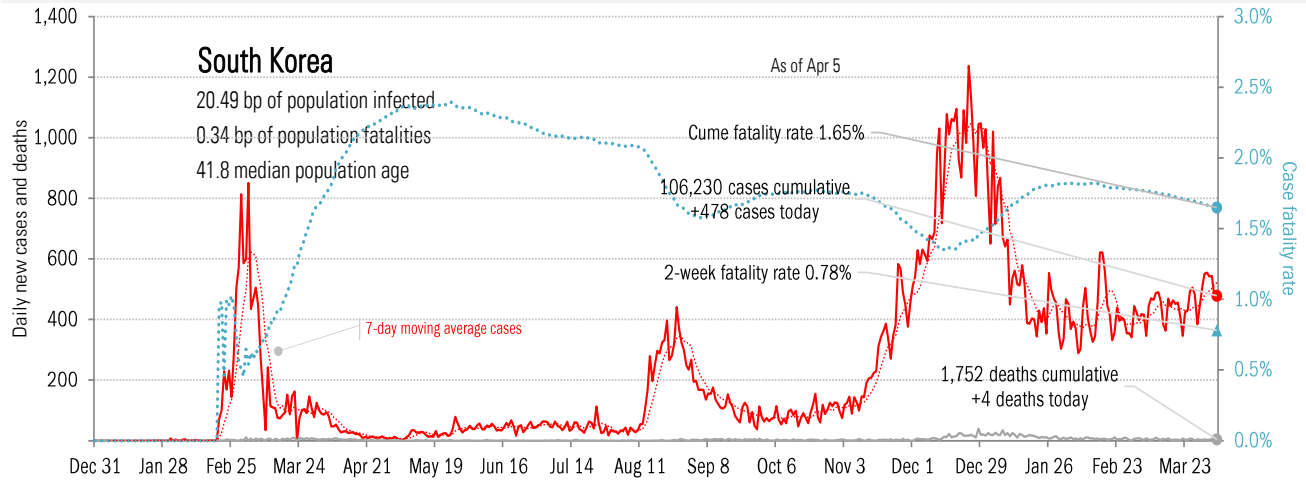
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



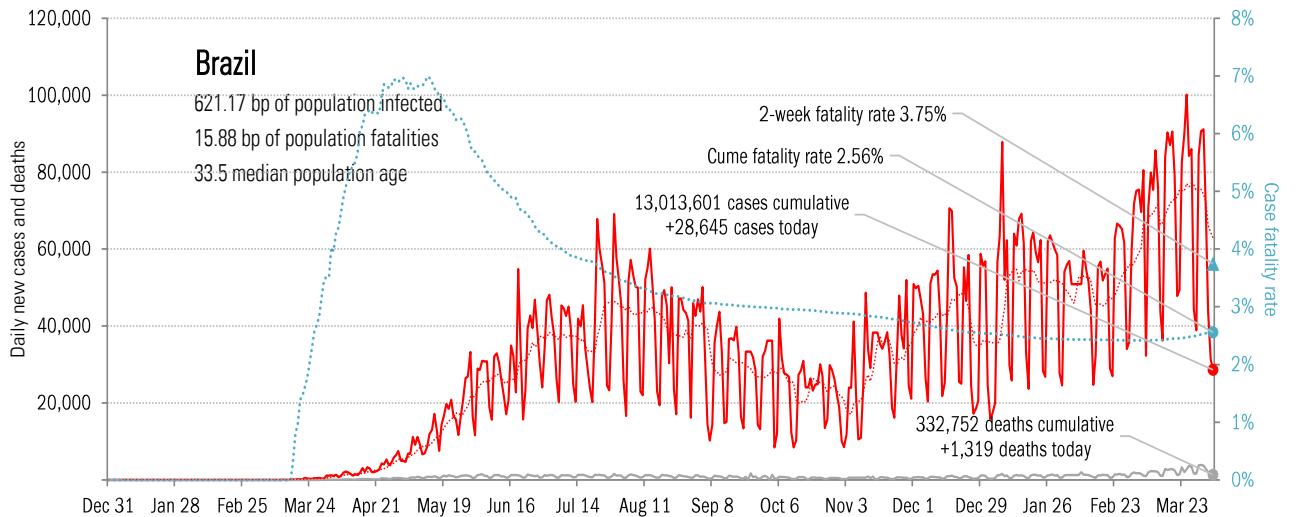
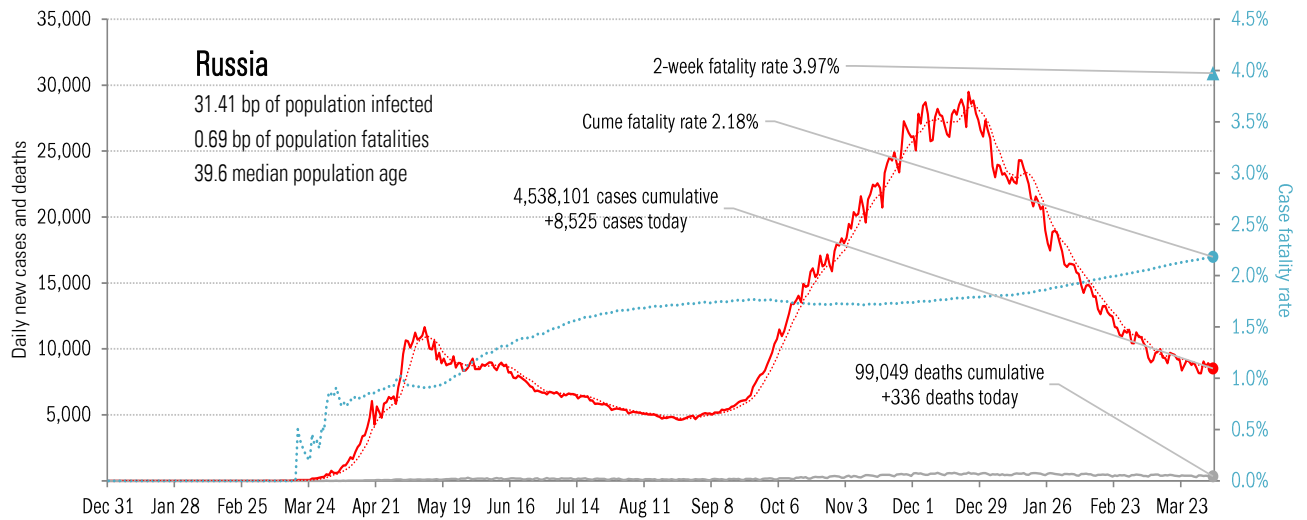
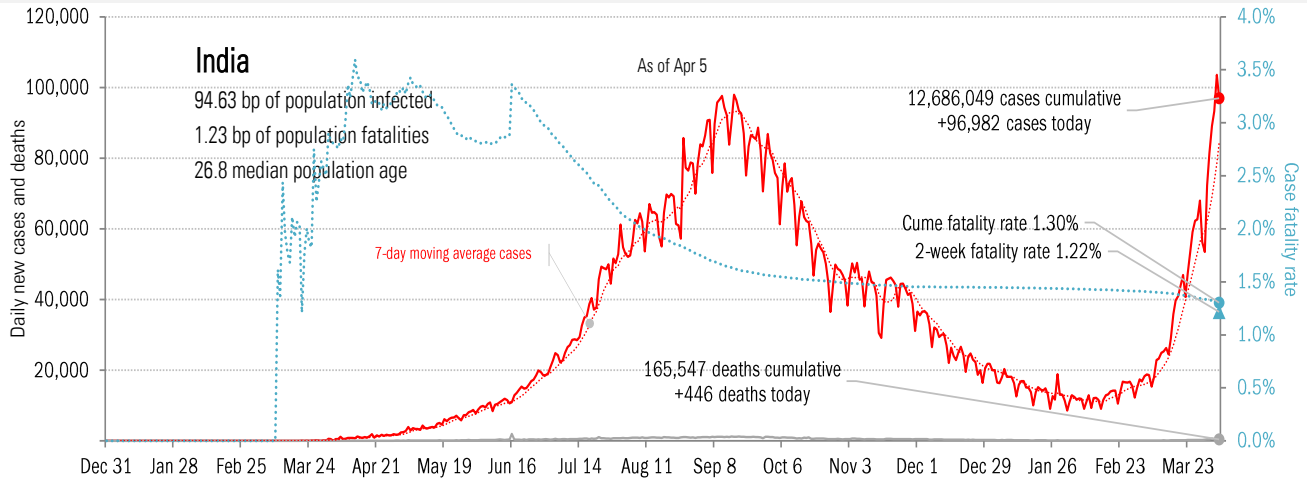
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Impact in other hot-spots



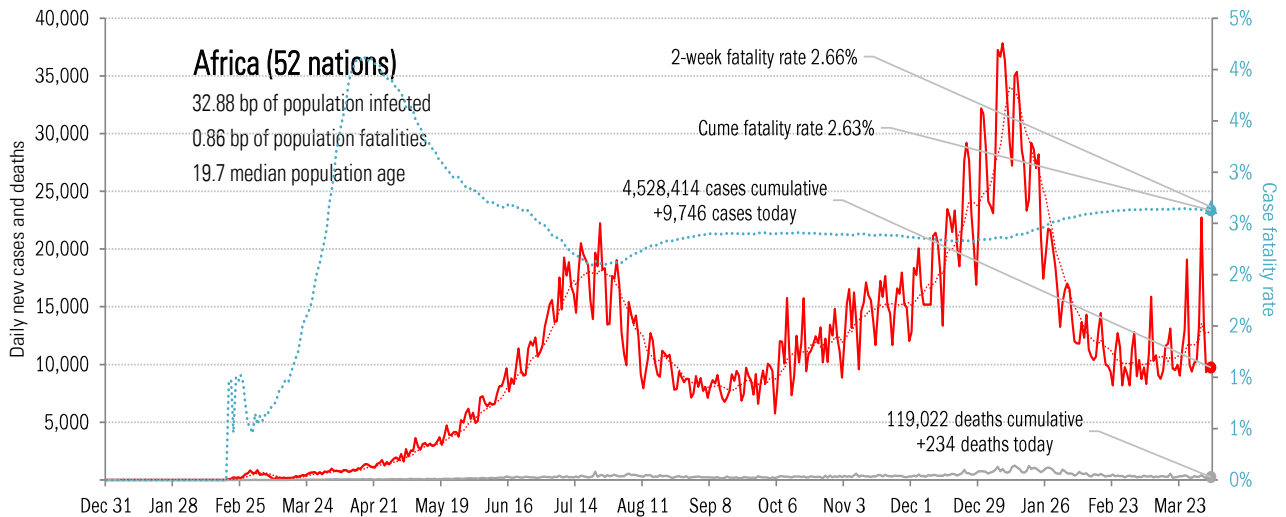
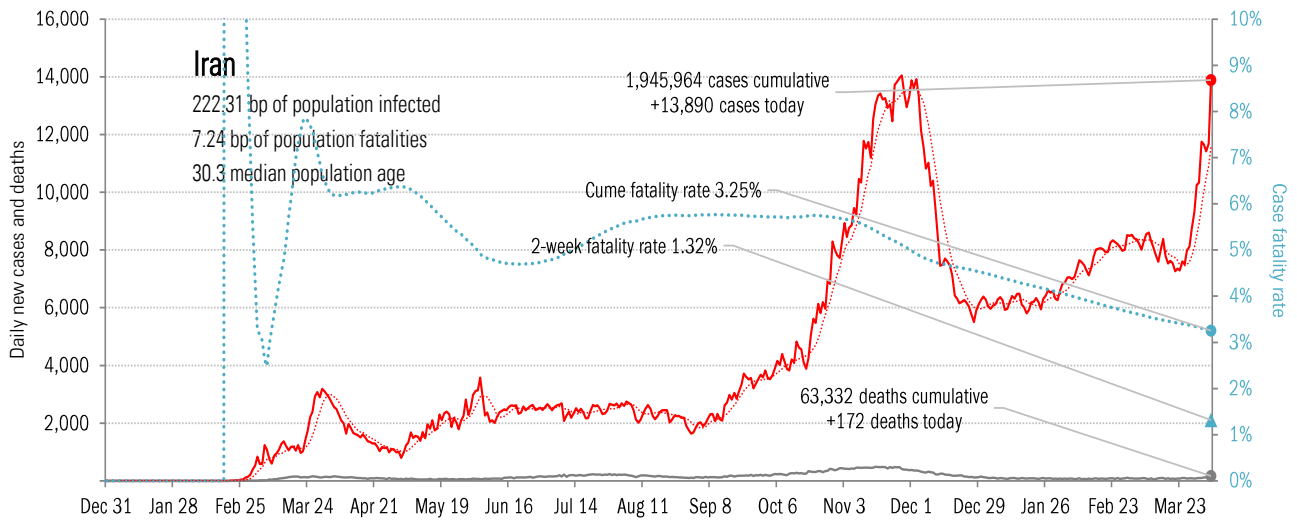
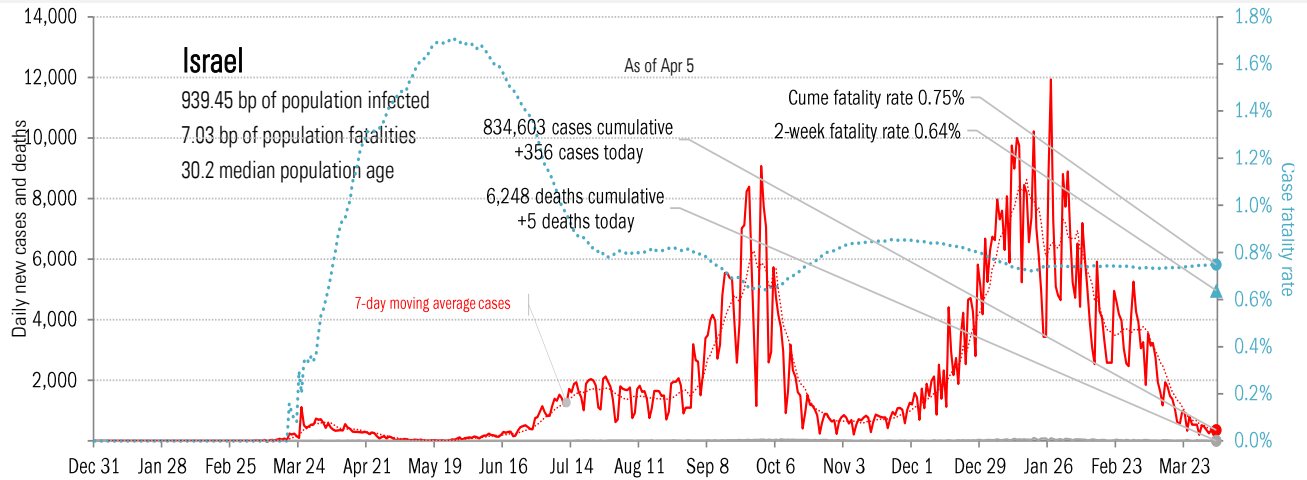
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



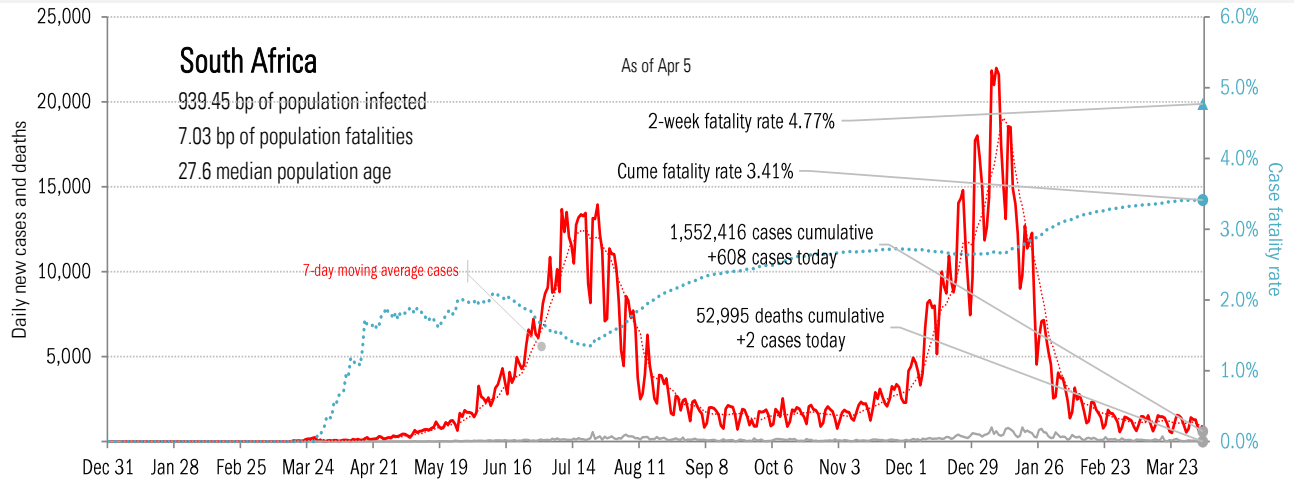
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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