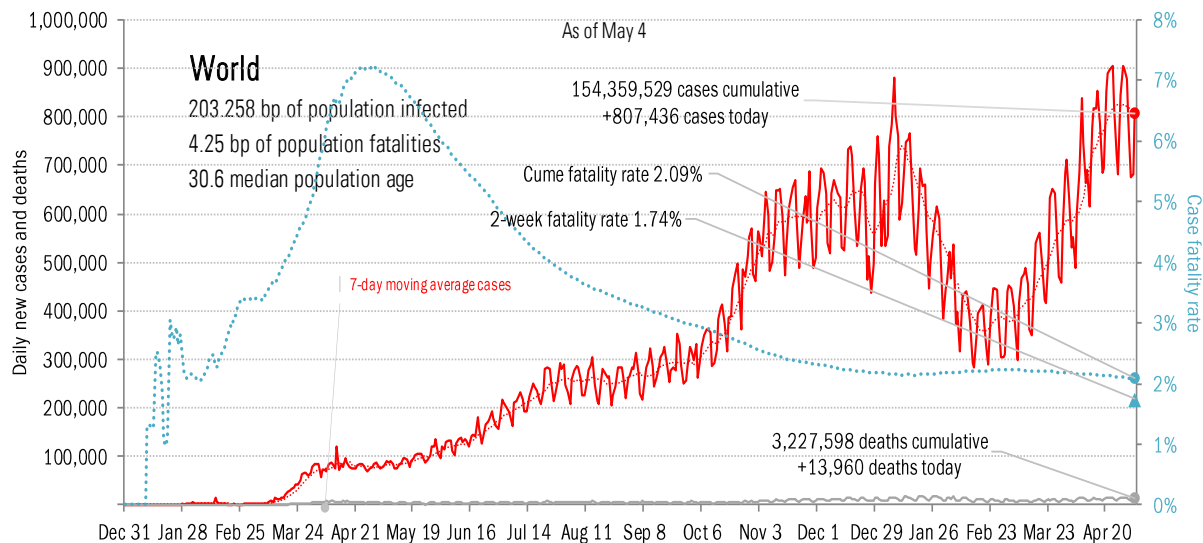
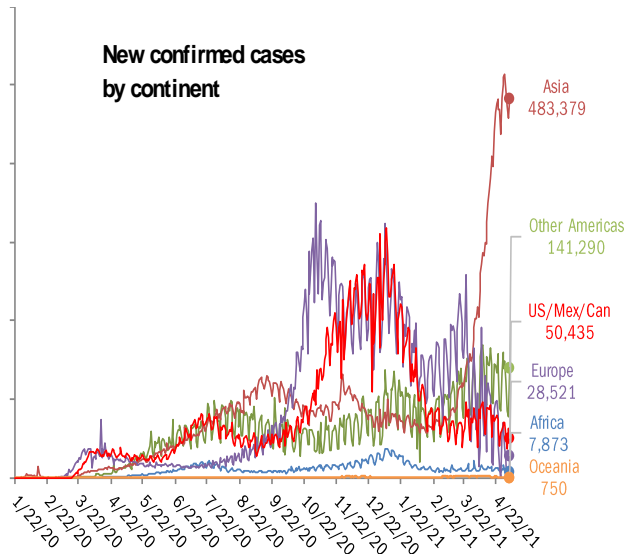


Data Insights: Covid-2019 Monitor

Wednesday, May 5, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+382,146	India	+3,780
Brazil	+77,359	Brazil	+2,966
United States	+40,733	United States	+933
Turkey	+28,997	Colombia	+463
Argentina	+26,238	Argentina	+410
France	+24,377	Mexico	+395
Germany	+24,111	Iran	+344
Iran	+20,150	Turkey	+336
Sweden	+14,950	Russia	+329
Colombia	+14,551	Italy	+305
+653,612		+10,261	
World	+807,436	World	+13,960
Top ten	81%	Top ten	74%



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

For more information contact us:

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The US scorecard

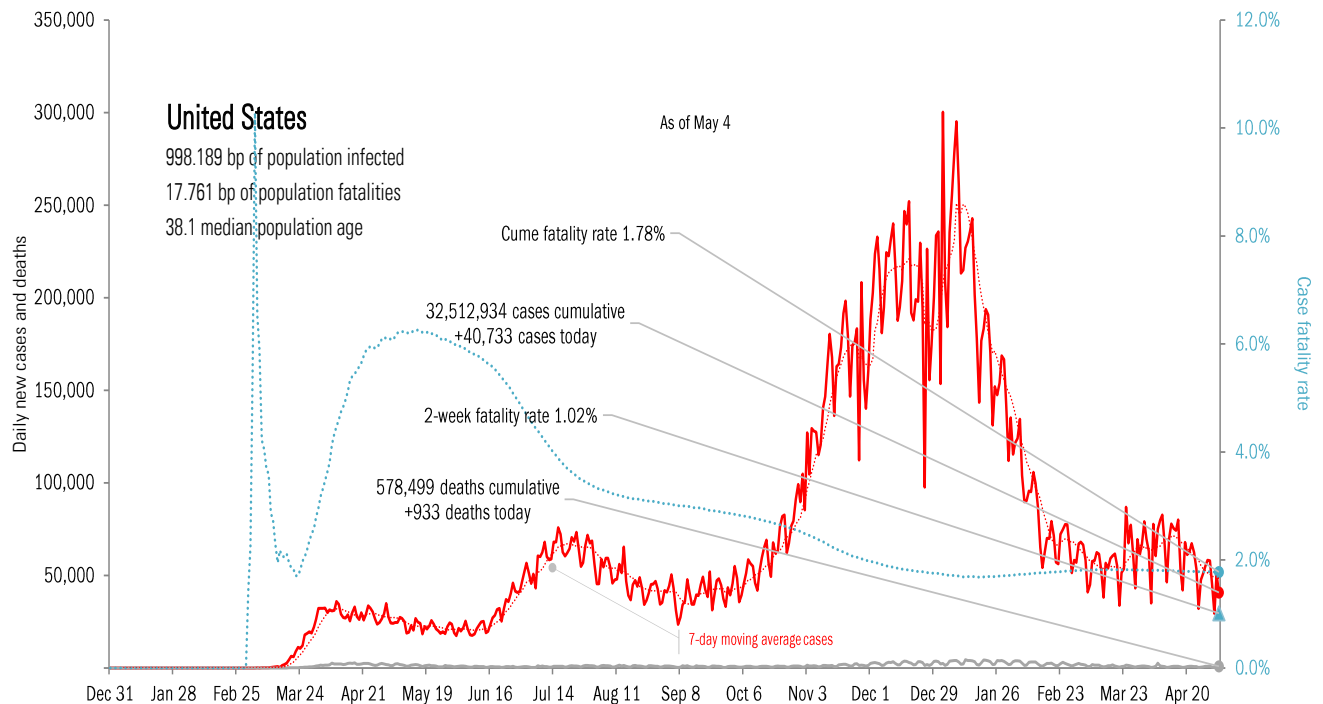
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	+3,682		MI	+133		GA	+92		CA	3,749,580		CA	62,029		TX	238,313		R	91%	MI	32%
MI	+3,120		FL	+92		LA	+58		TX	2,903,934		NY	52,483		CA	230,813		MA	84%	MD	22%
PA	+2,641		TX	+80		NV	+33		FL	2,249,535		TX	50,411		FL	168,332		PA	82%	ME	19%
TX	+2,385		CA	+62		CA	+26		NY	2,059,485		FL	35,399		NY	128,946		CT	82%	RI	18%
CA	+2,243		NY	+60		IL	+25		IL	1,343,875		PA	26,299		GA	101,032		MO	82%	MN	18%
NY	+2,209		OH	+60		TN	+22		PA	1,162,457		NJ	25,658		PA	84,578		MD	82%	CO	17%
IL	+2,204		MO	+59		KY	+19		GA	1,104,837		IL	24,410		CH	81,827		MI	81%	PA	16%
CO	+1,519		PA	+50		WV	+18		OH	1,077,284		GA	20,241		IL	76,129		GA	80%	ID	15%
WA	+1,416		NJ	+42		AR	+17		NJ	1,001,997		CH	19,344		KY	72,134		MN	79%	WA	14%
CH	+1,285		IL	+21		CH	+12		NC	975,300		MI	19,055		MI	65,918		FL	78%	WV	14%
+22,704			+659			+322			17,628,284			335,329			1,248,022						
All states	+40,733			+933			+7		All states	32,512,934			578,499			2,222,932		All states	70%		67%
Top ten	56%			71%			4600%		Top ten	54%			58%			56%		Median	72%		10%

Some states not reporting

Five most improved US states

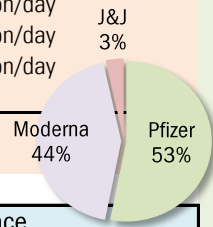
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-3,586	NC	-31	CR	-44	ME	+128 bp
MI	-2,437	MA	-13	IN	-27	UT	+58 bp
TX	-2,054	CT	-10	WA	-25	VT	+53 bp
TN	-1,464	IL	-10	NM	-21	RI	+51 bp
WA	-1,066	ID	-6	FL	-19	MS	+51 bp



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

Rolling out the vaccines in the US and the world

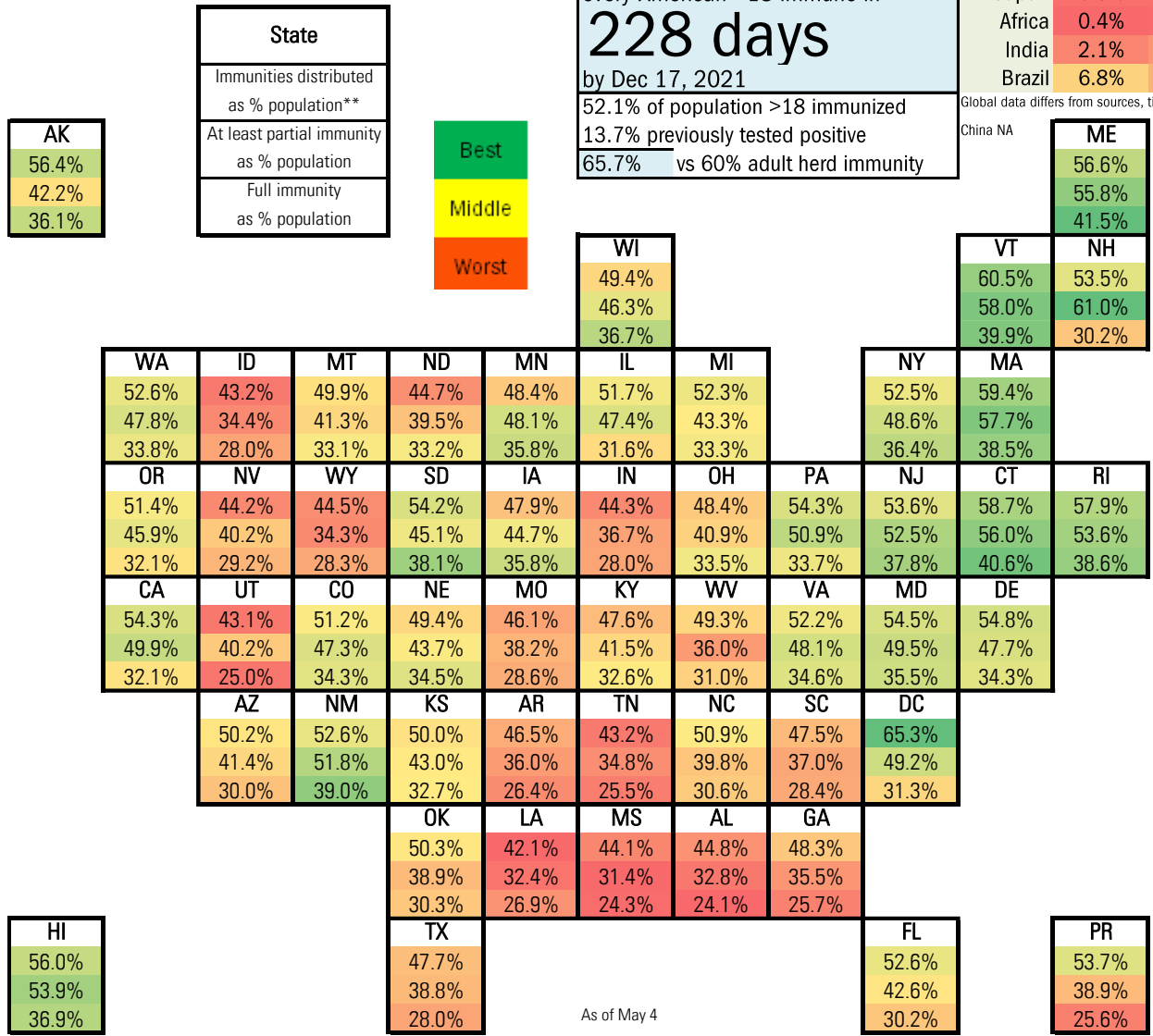
US overall	Over last day	Immunity	Full	Partial
330.38 million doses distributed	+6.01 million/day	US	31.8%	44.2%
256.11 million doses administered	+1.00 million/day	UK	23.0%	51.1%
152.11 million persons partially immunized	+0.38 million/day	France	9.9%	23.7%
109.66 million persons fully immunized	+0.65 million/day	Spain	11.1%	26.5%
		Germany	8.3%	29.3%
		Italy	10.8%	25.1%
		Australia	1.5%	0.6%
		Israel	58.5%	62.5%
		Canada	3.1%	34.8%
		Japan	0.8%	2.0%
		Africa	0.4%	1.0%
		India	2.1%	9.3%
		Brazil	6.8%	14.3%



77.5% of distributed doses administered
 45.5% of US pop partial 32.8% full immunity

At today's dosing pace,
 every American >18 immune in
228 days
 by Dec 17, 2021
 52.1% of population >18 immunized
 13.7% previously tested positive
 65.7% vs 60% adult herd immunity

Global data differs from sources, timing



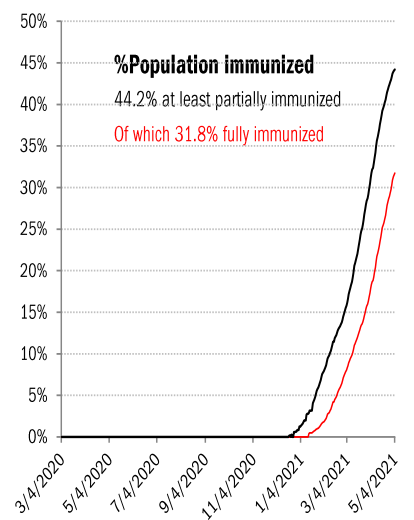
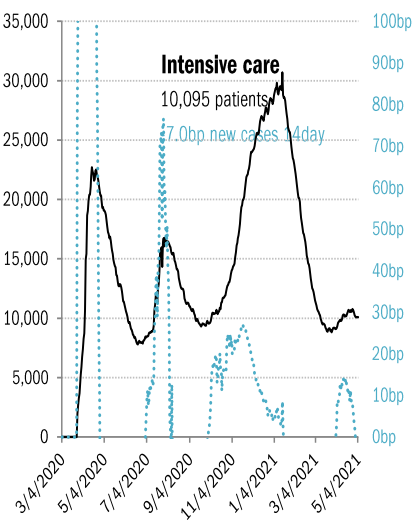
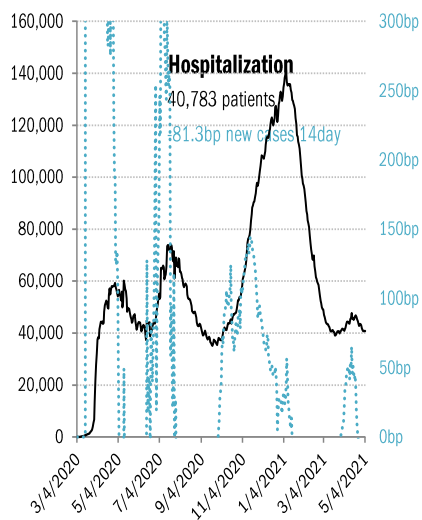
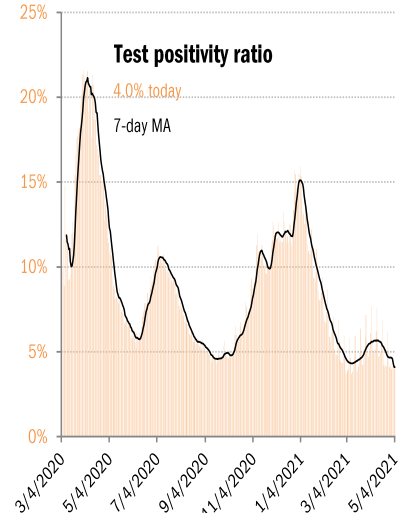
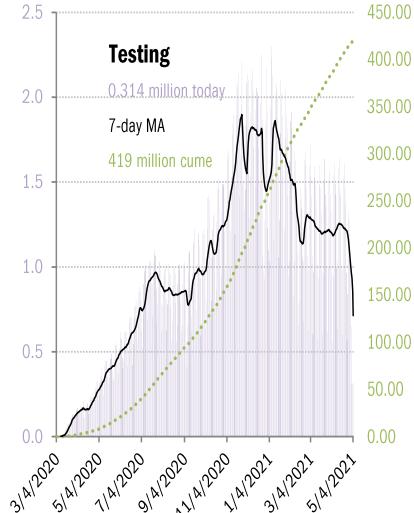
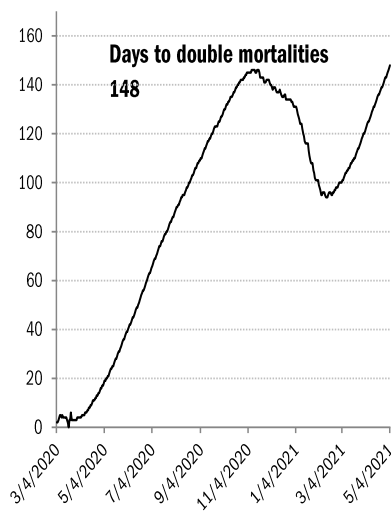
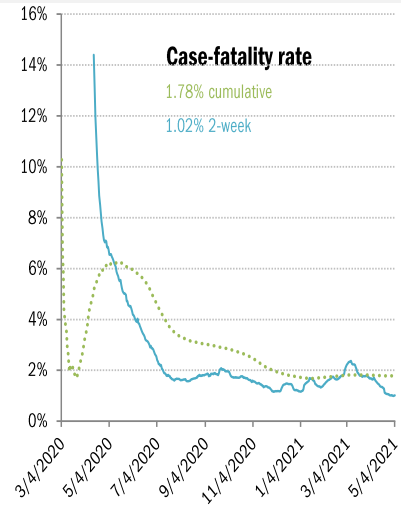
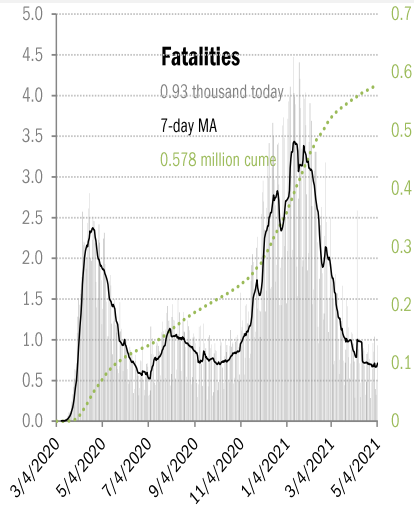
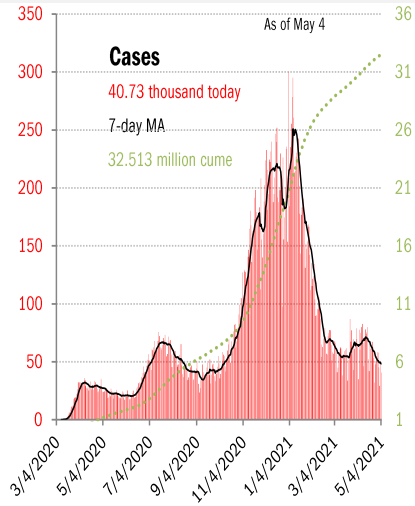
As of May 4

** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

US deep-dive

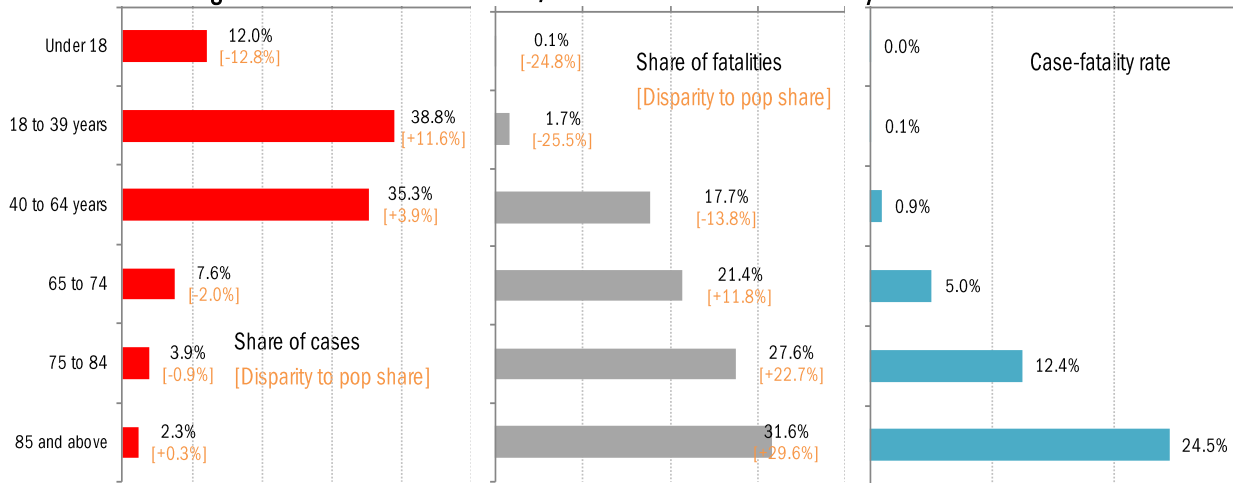
National and state-by-state data do not line up because of different sources



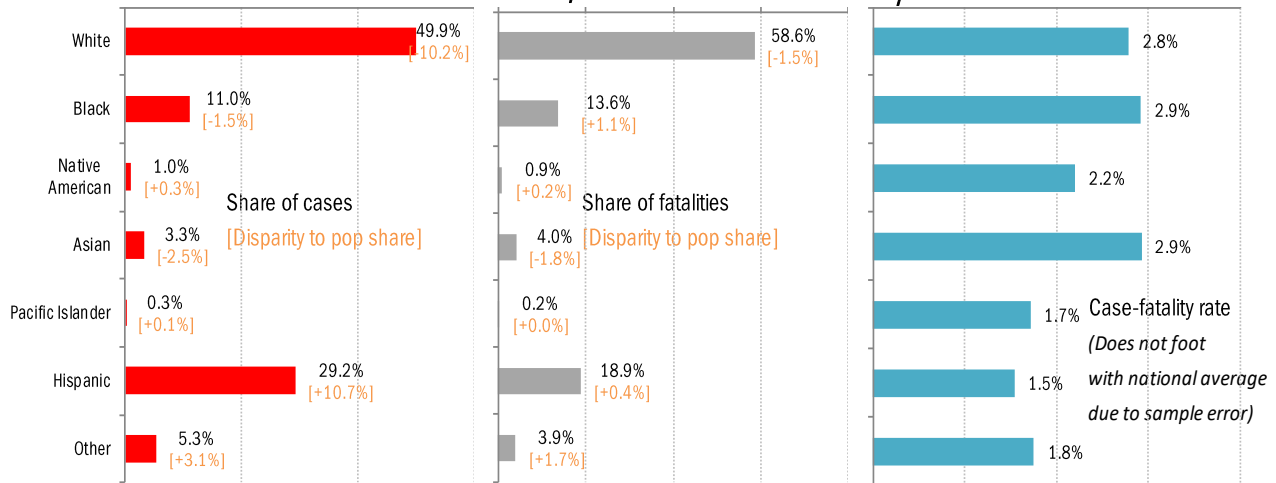
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

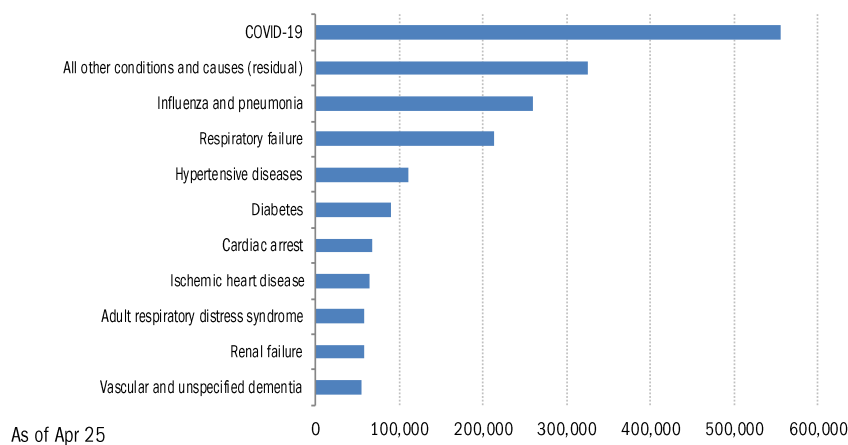


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For over 5% 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

[What the Pandemic Can't Touch](#)

Tamir Kalifa
New York Times
May 4, 2021

[Bidens Recklessly Neglect 'Patriotic Responsibility' By Going Maskless With Elderly Jimmy Carter](#)

Jordan Lancaster
Daily Caller
May 4, 2021

[Melinda Gates urges wealthy nations to stop 'hoarding' Covid vaccines](#)

Alistair Gray
Financial Times
May 3, 2021

[Fauci warns against discarding trade rules on Covid vaccines](#)

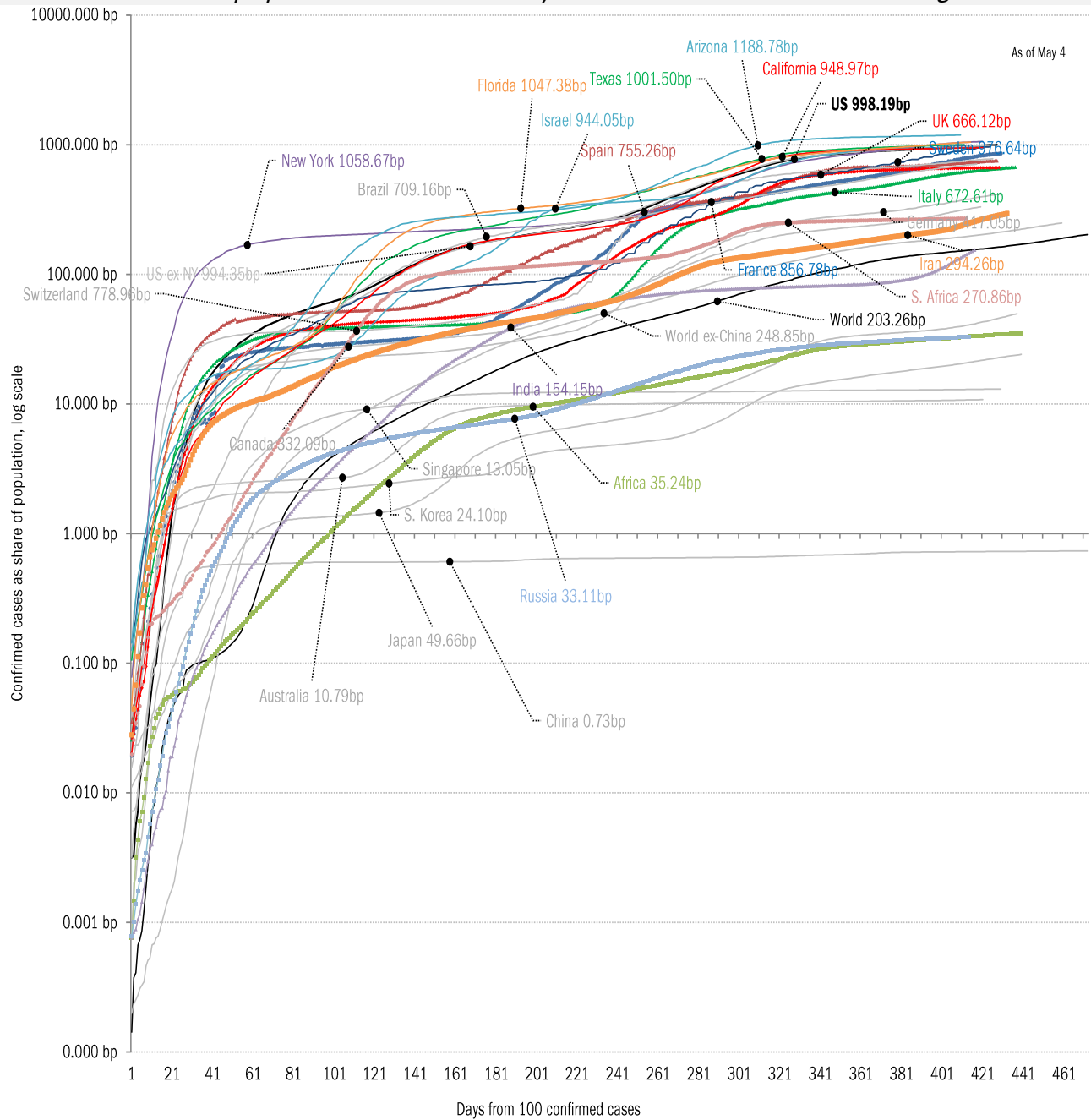
Kiran Stacey
Financial Times
May 3, 2021

Meme of the day



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

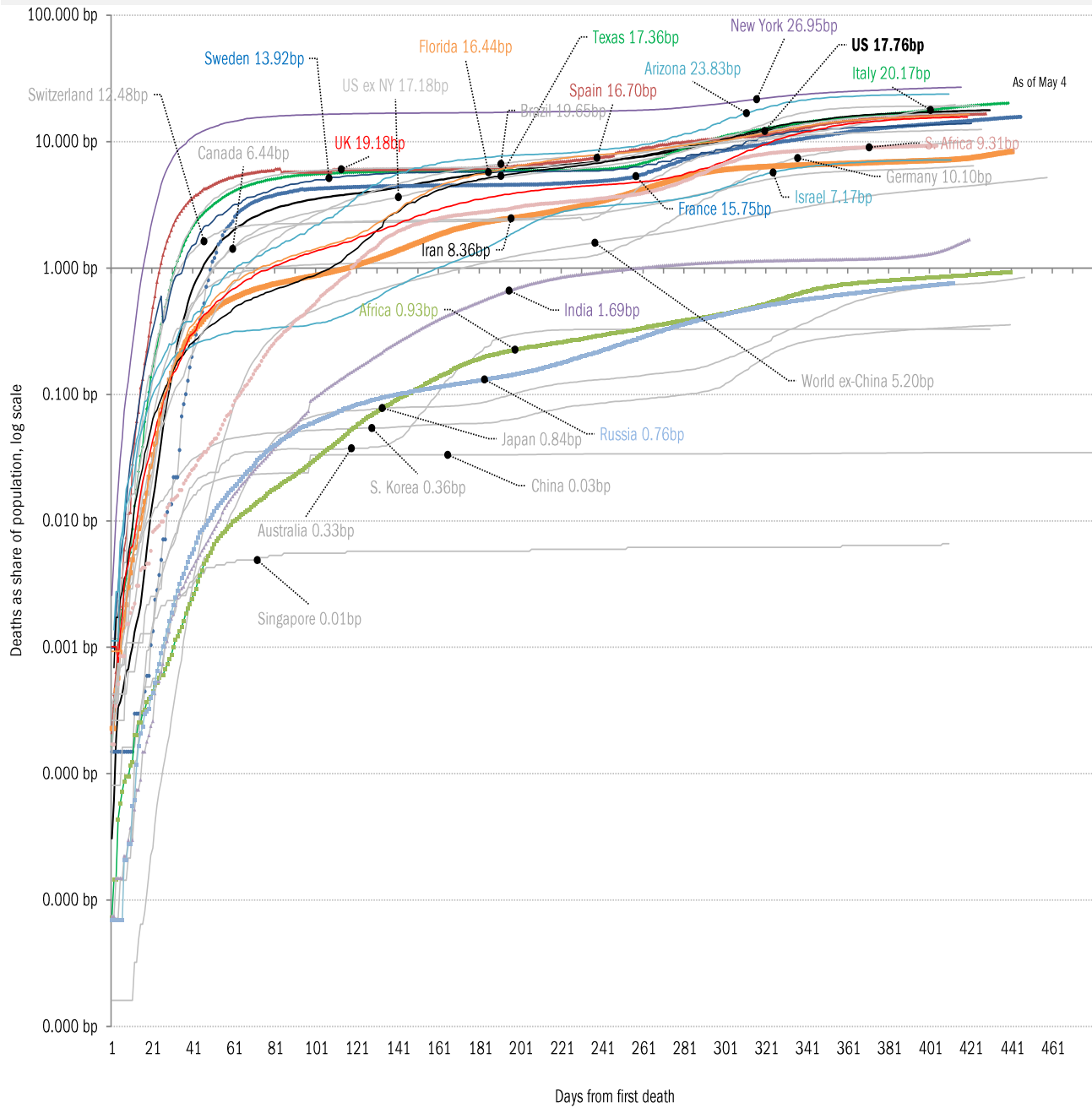
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality

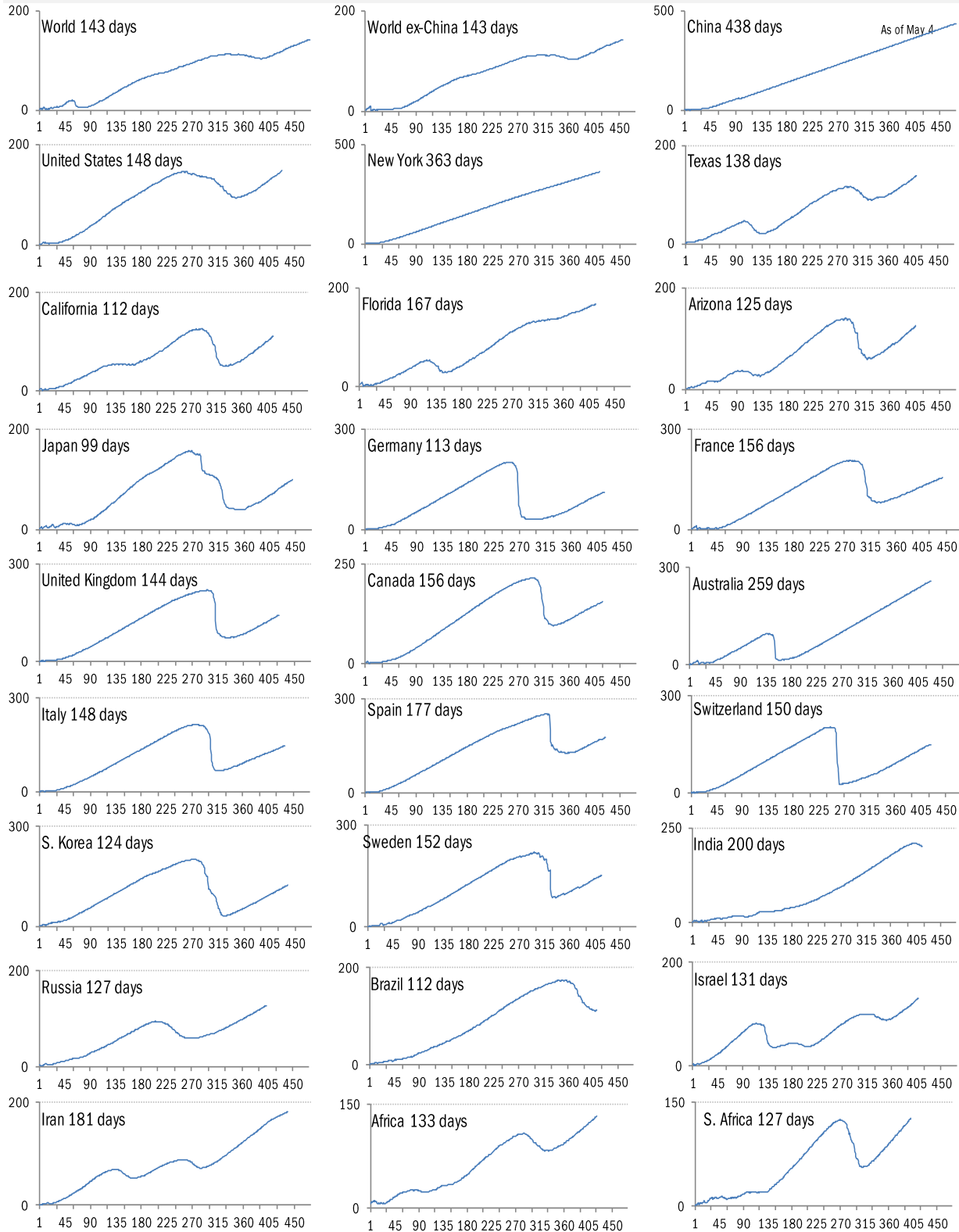


Source: [Johns Hopkins](#), TrendMacro calculations

"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

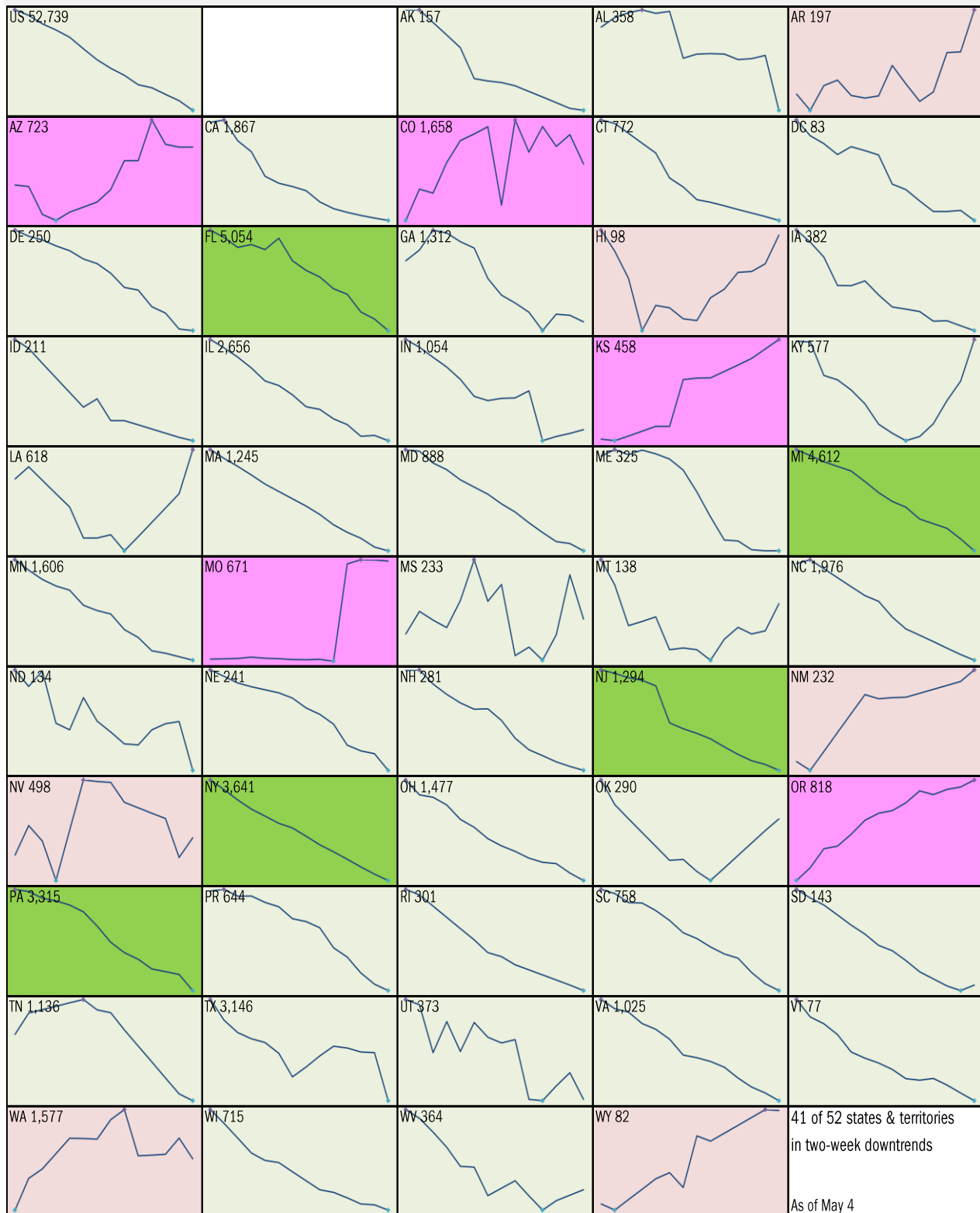


Source: [Johns Hopkins](#), TrendMacro calculations

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

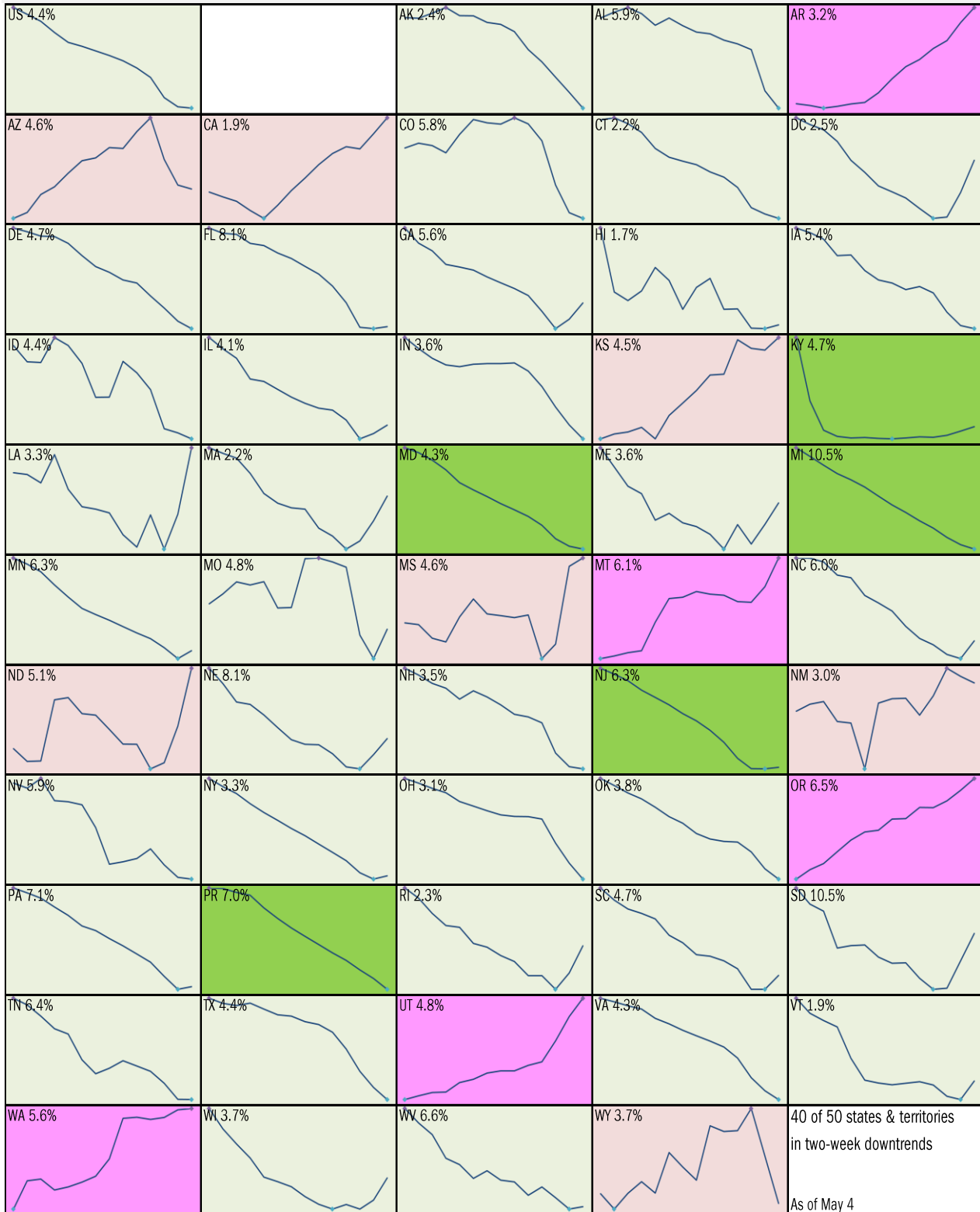
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

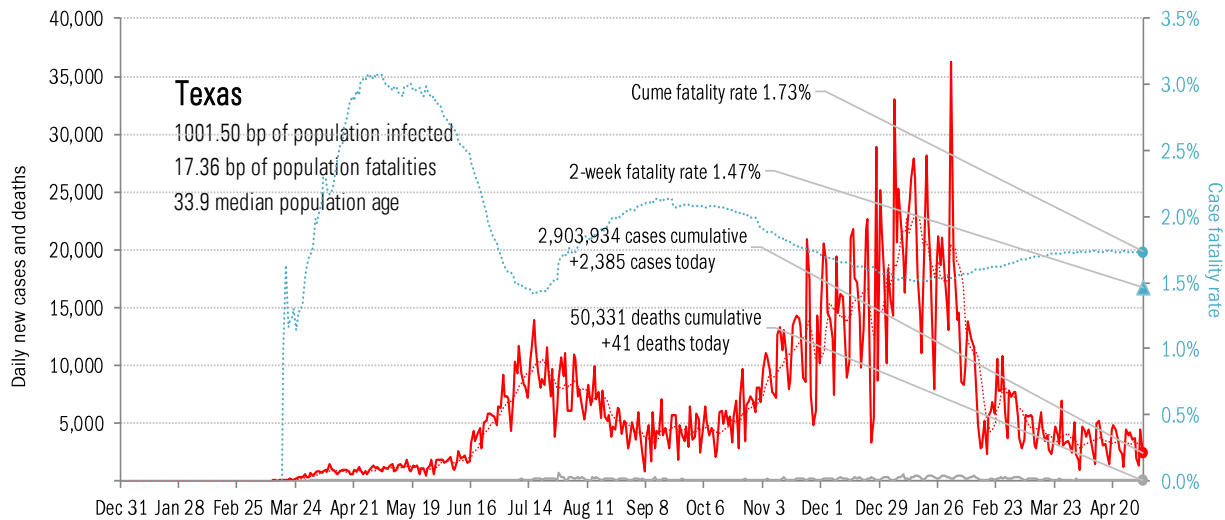
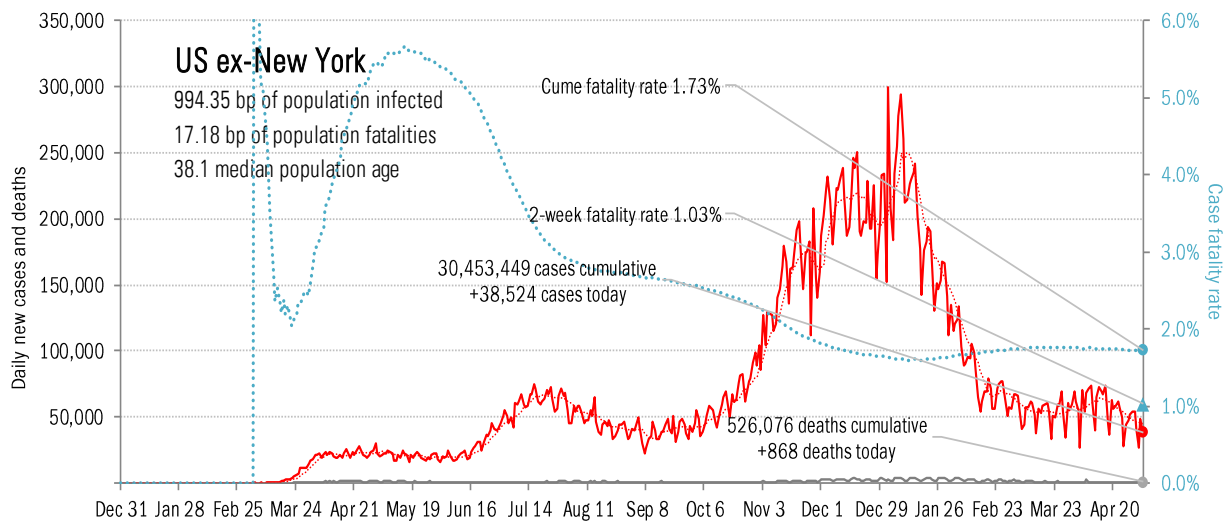
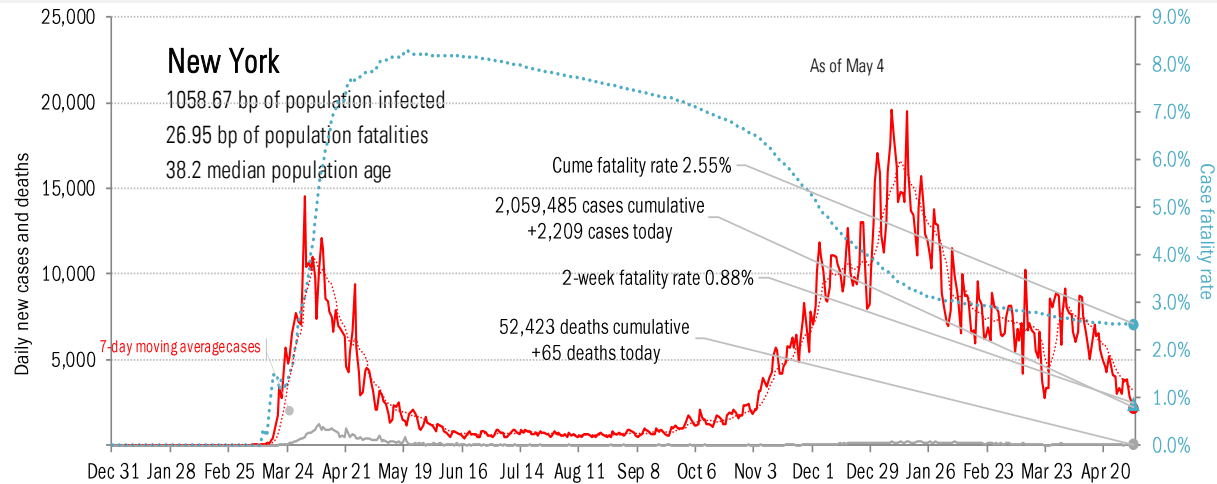
Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

14-day moving average, last 14 days Most recent value displayed ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



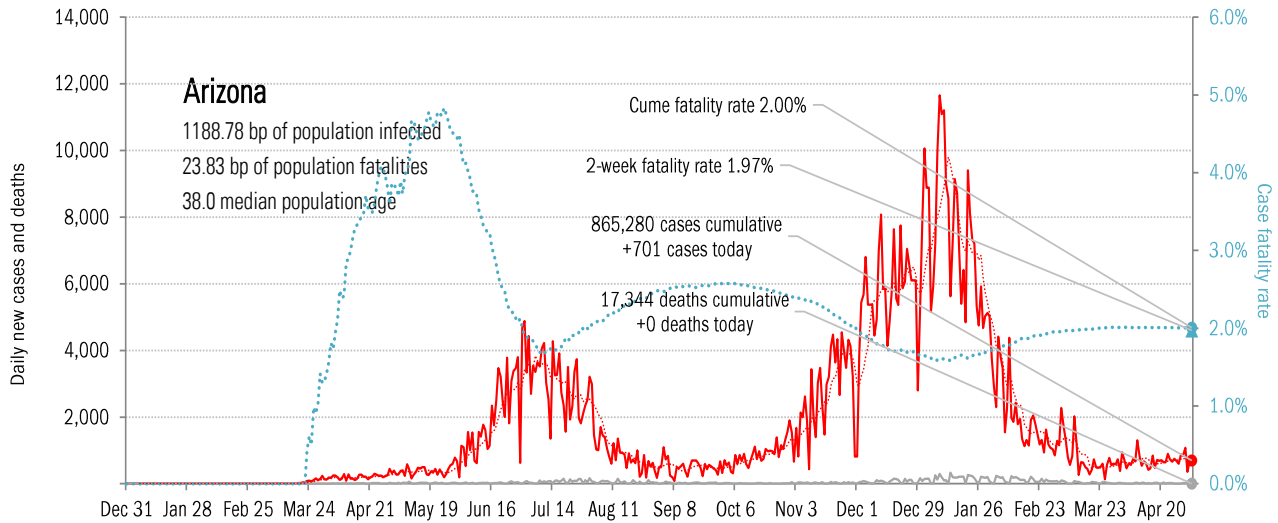
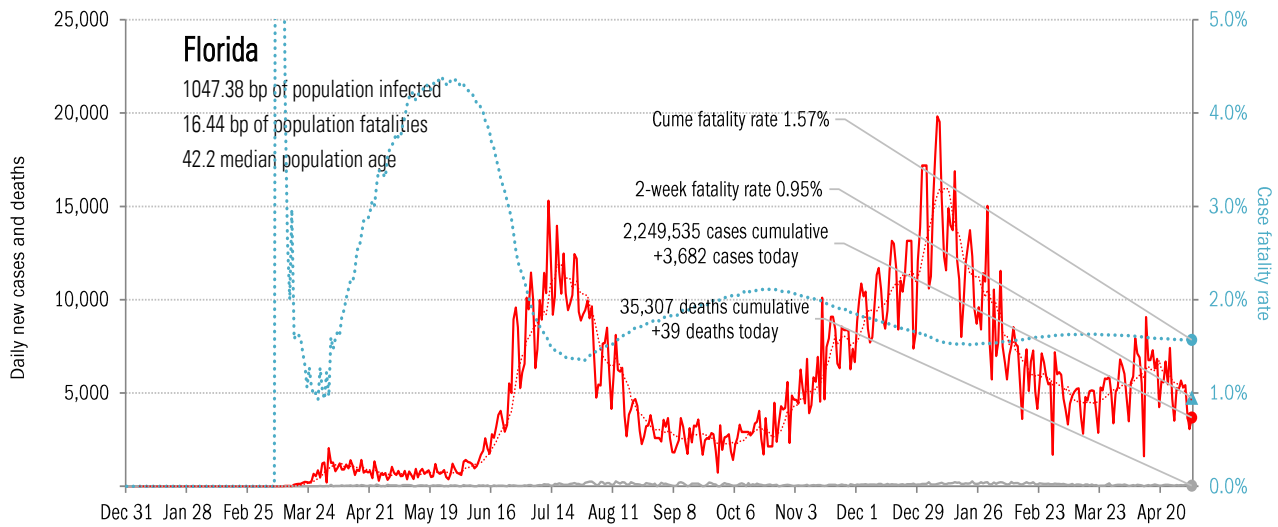
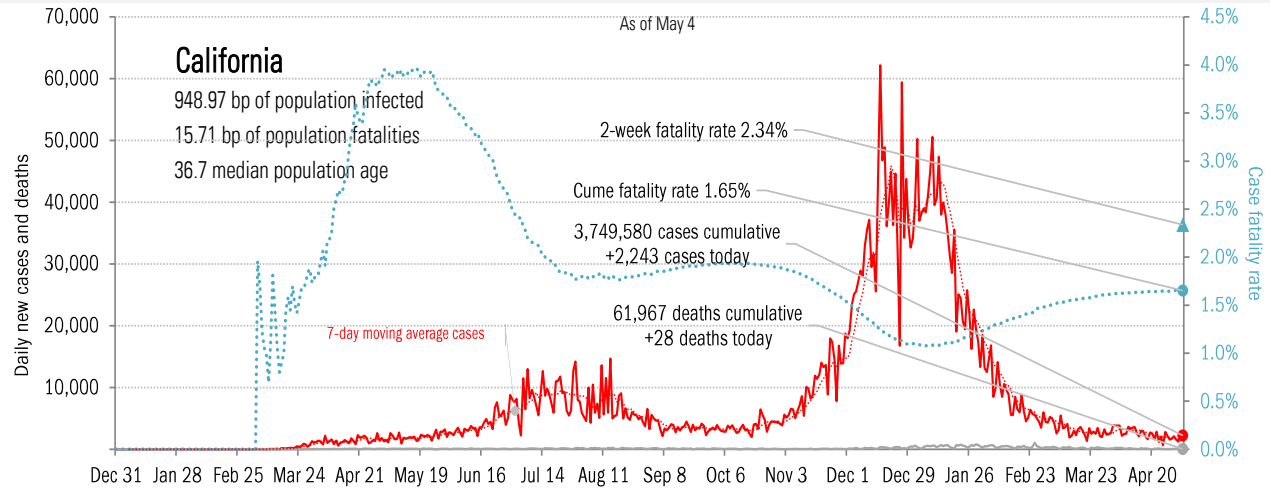
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



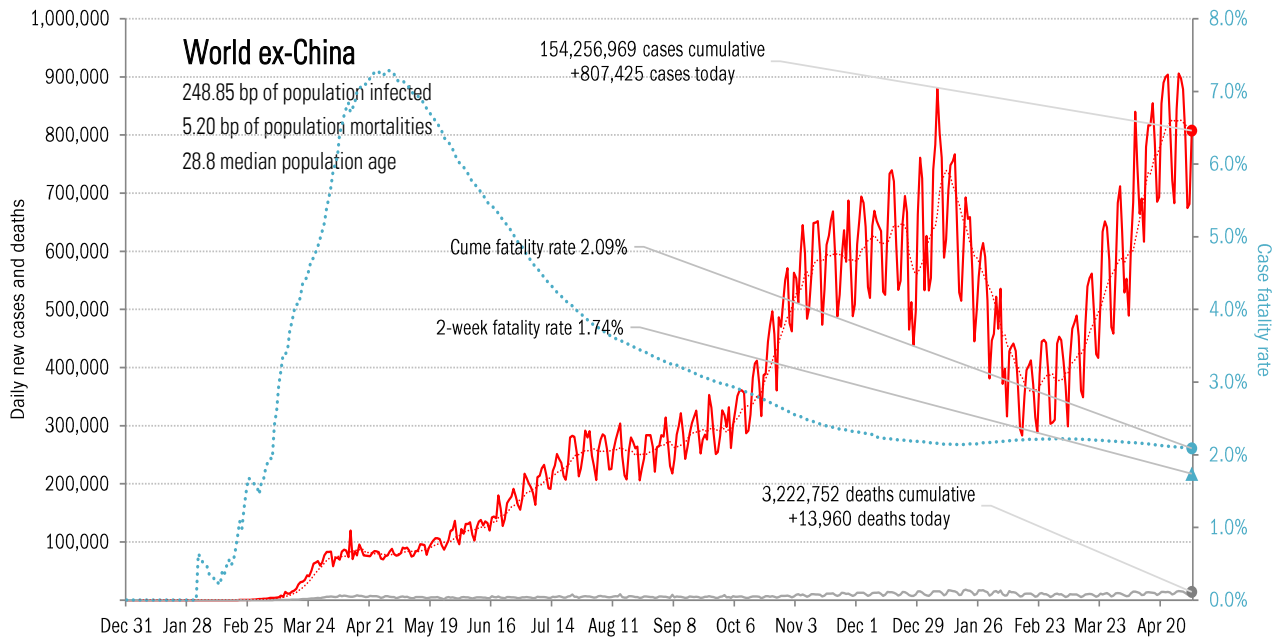
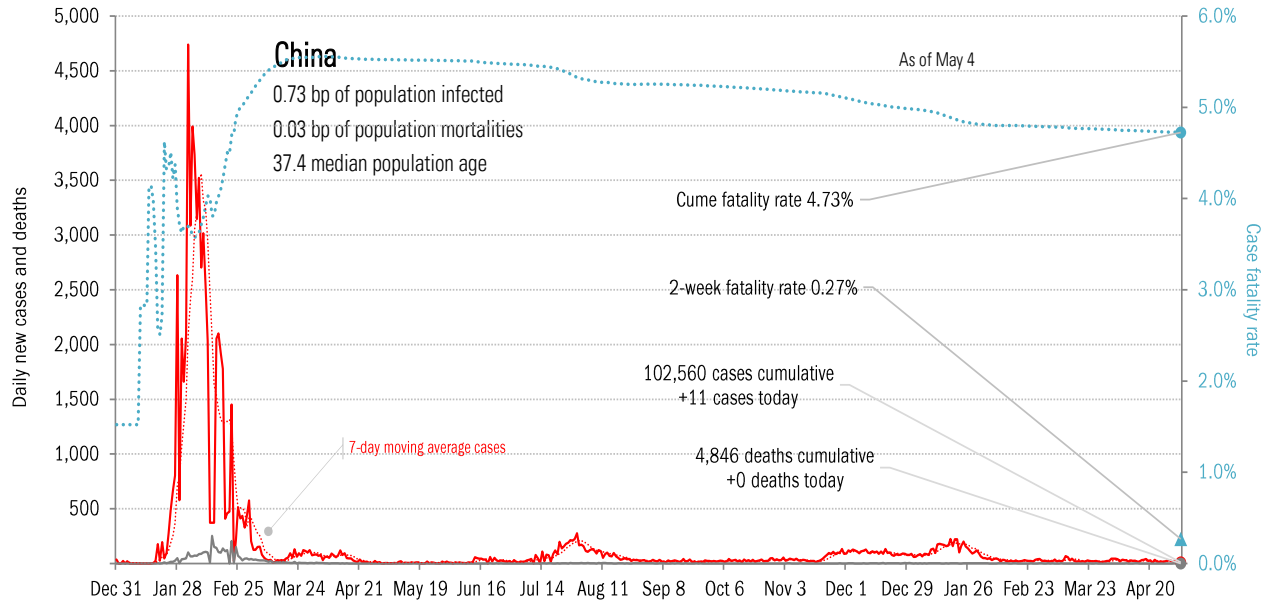
Source: [Johns Hopkins](#), TrendMacro calculations

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



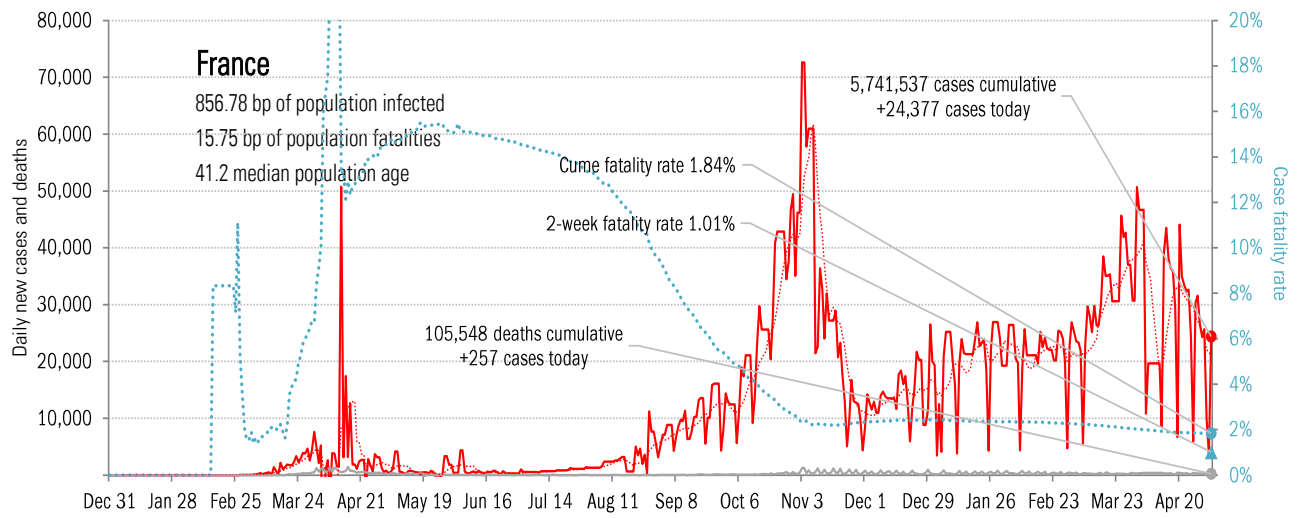
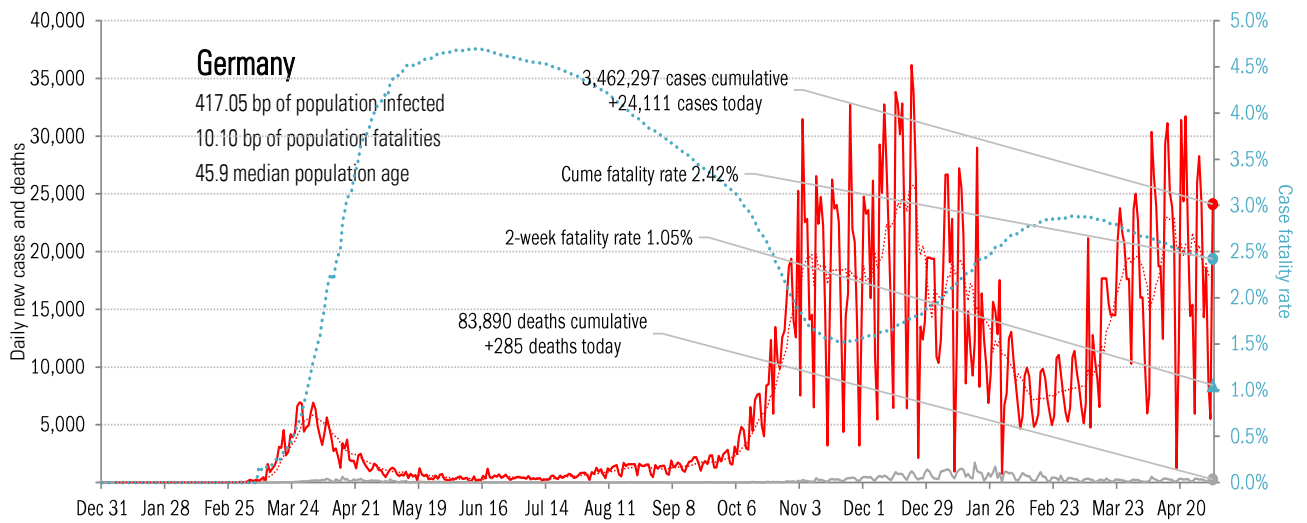
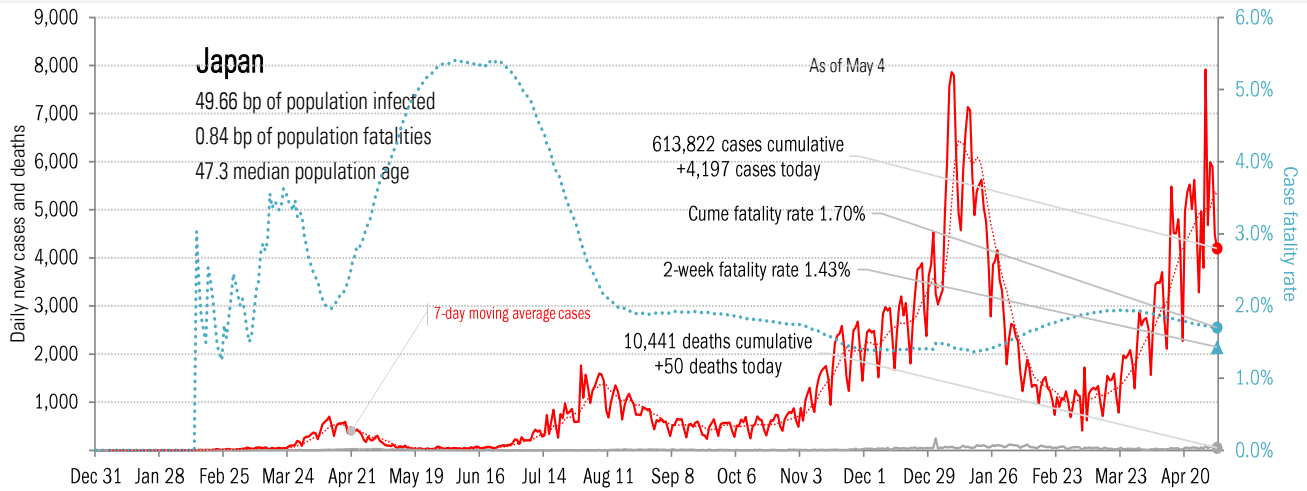
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Patient zero... and then everyone else



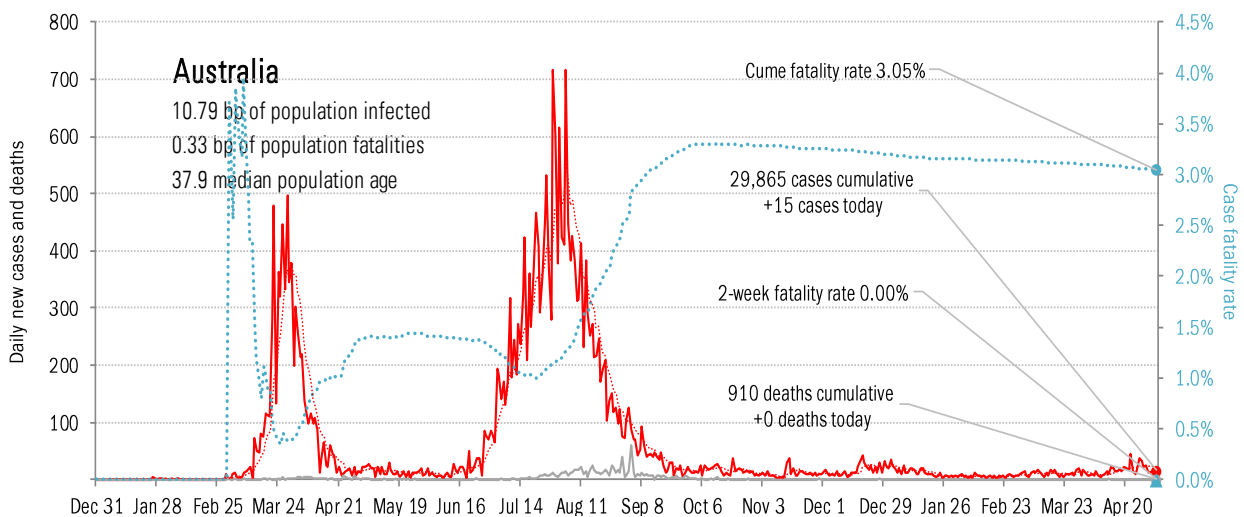
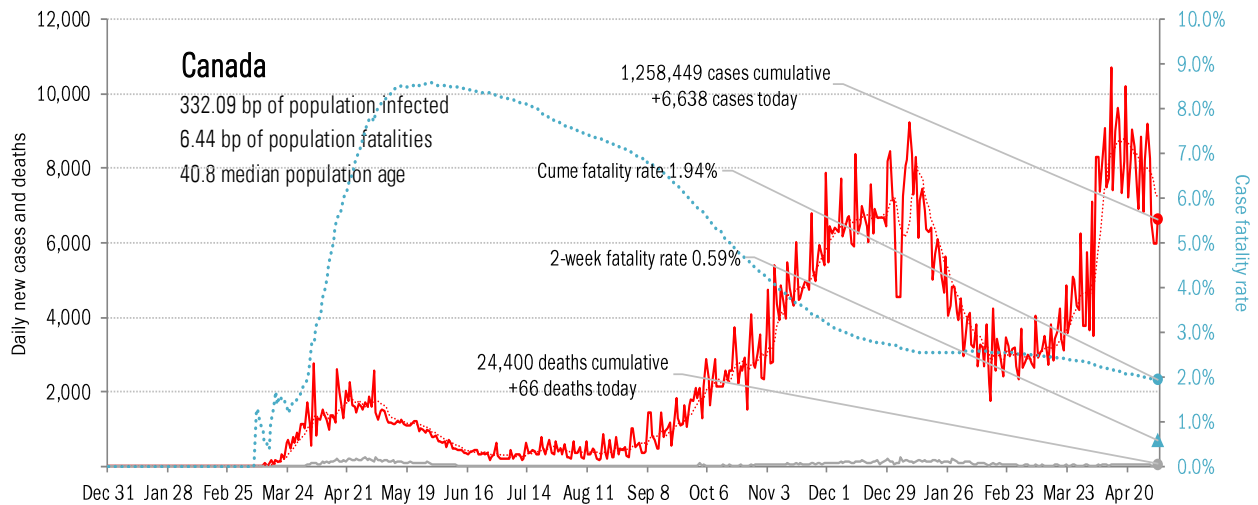
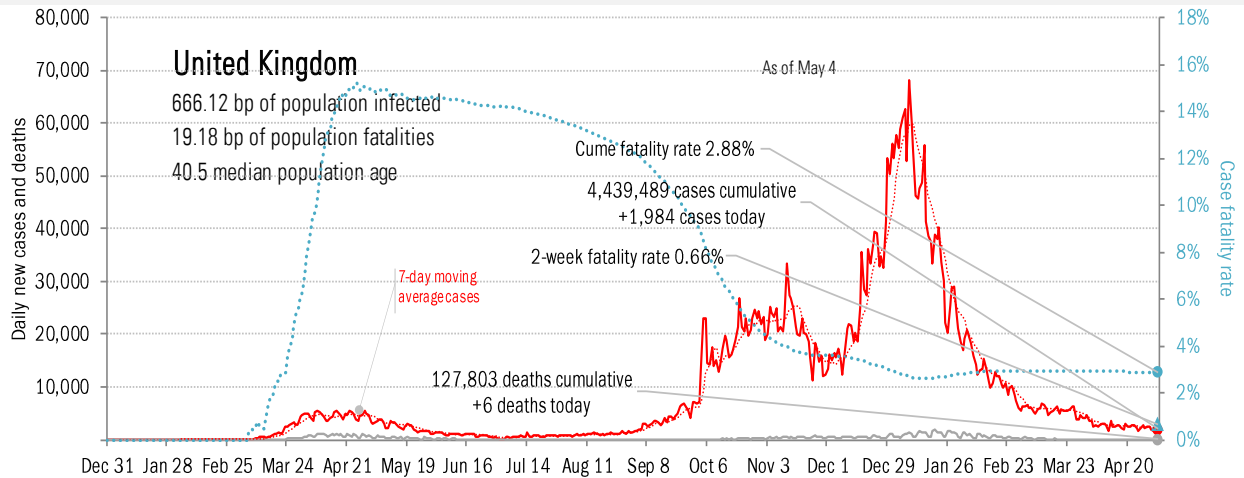
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



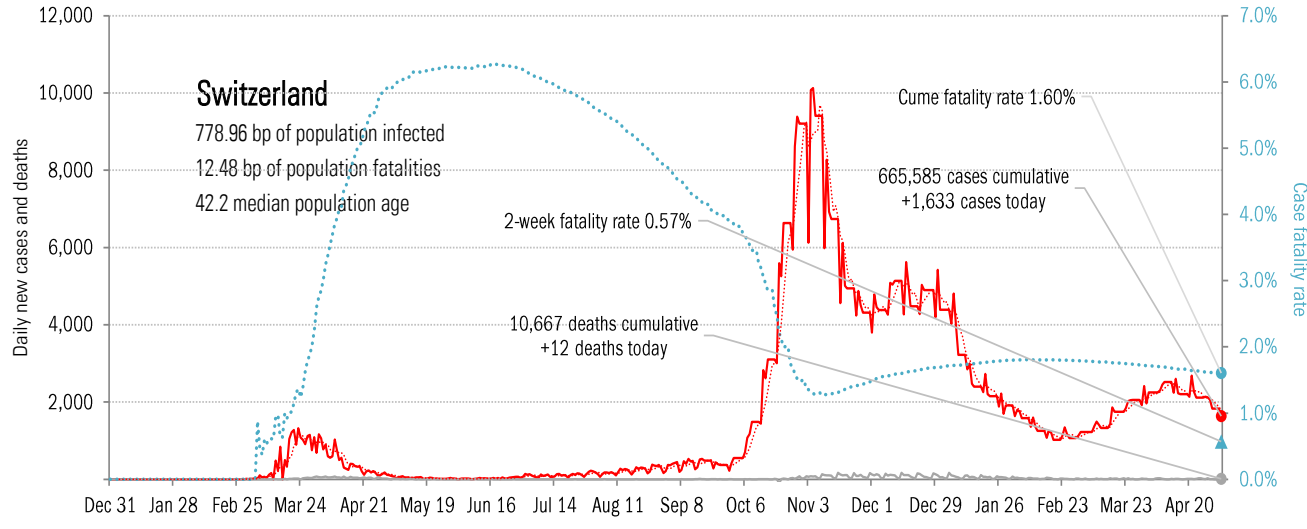
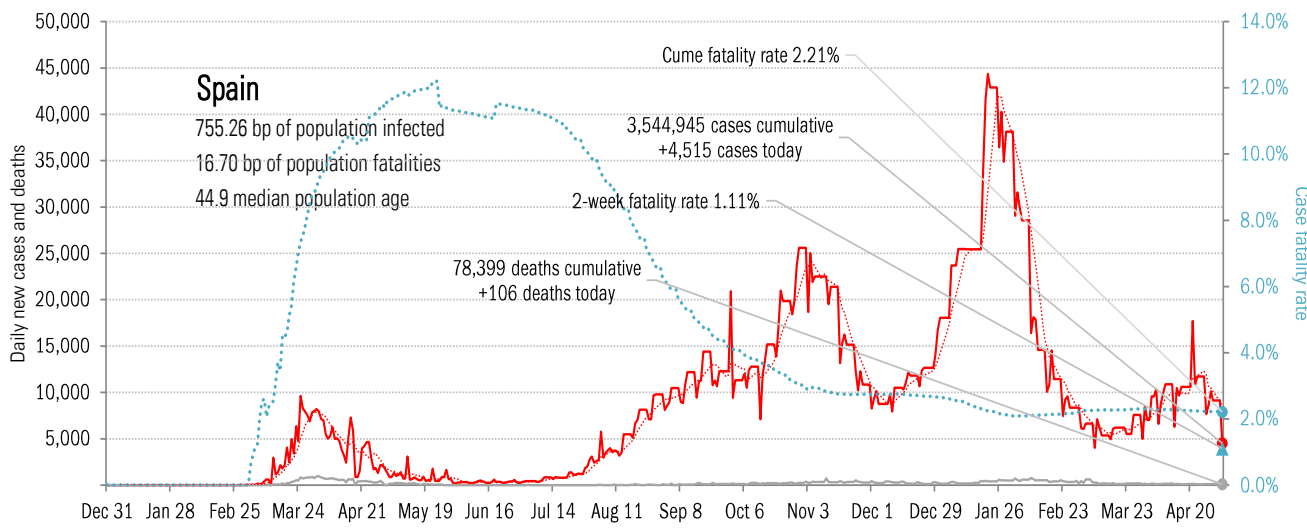
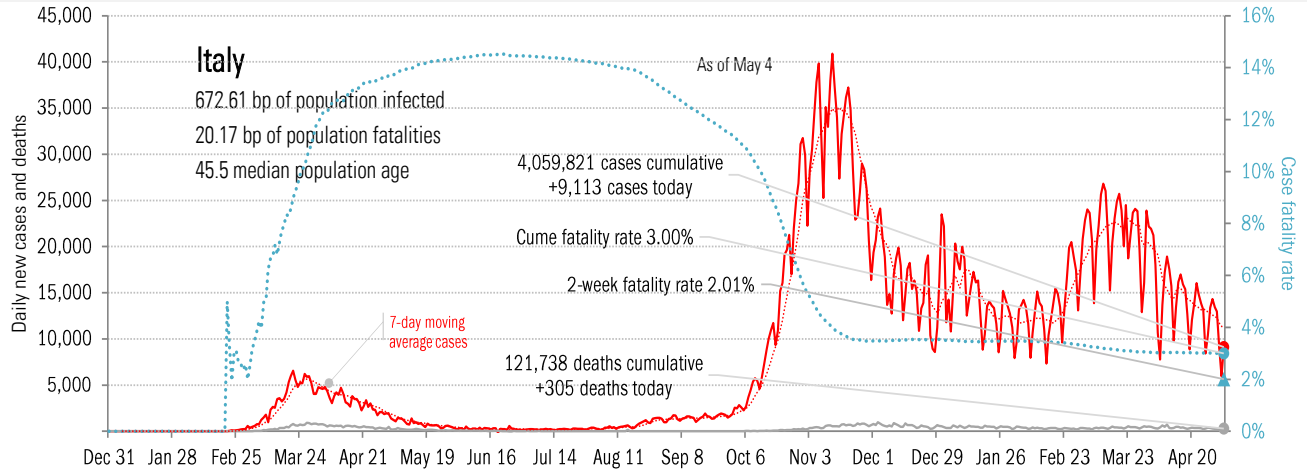
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



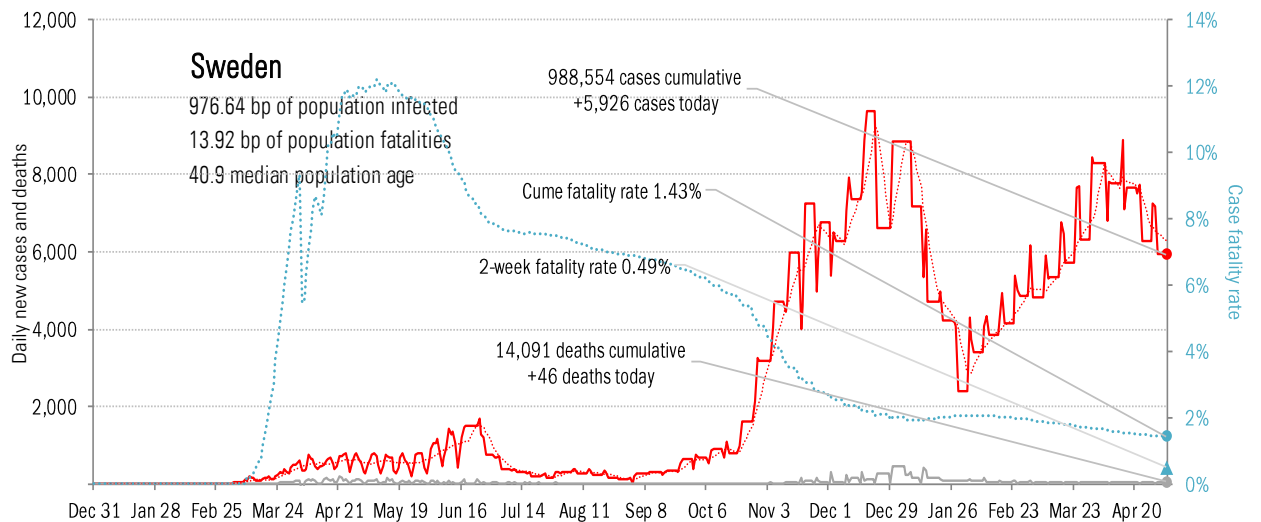
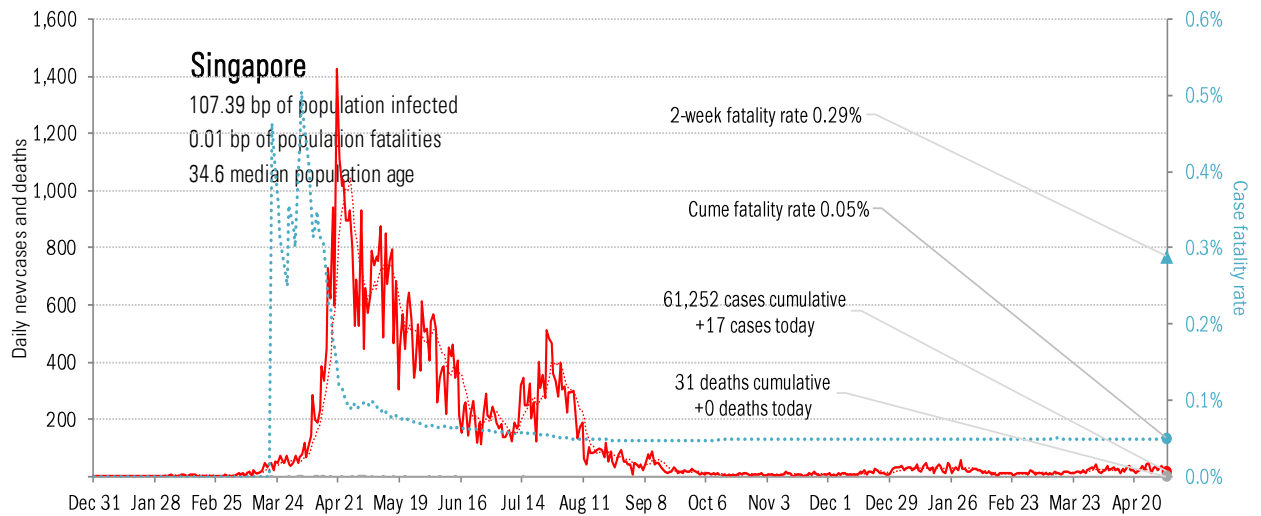
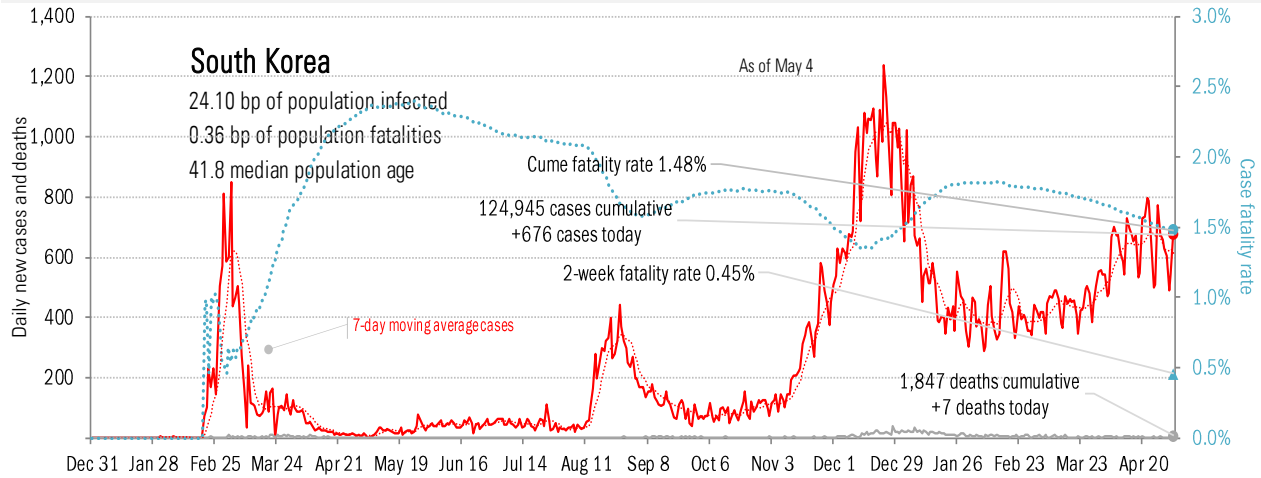
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



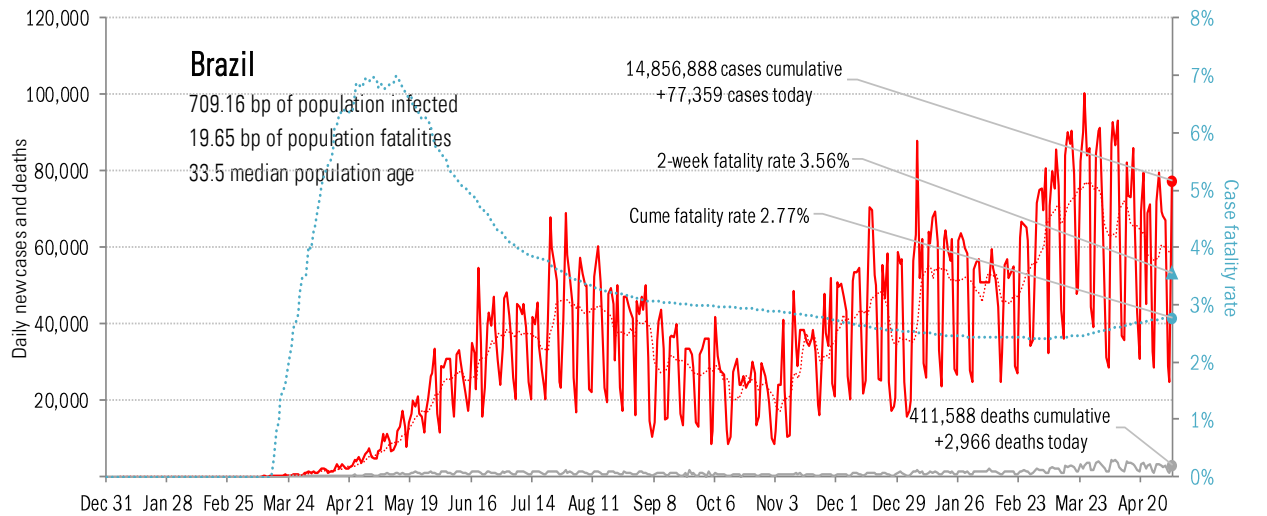
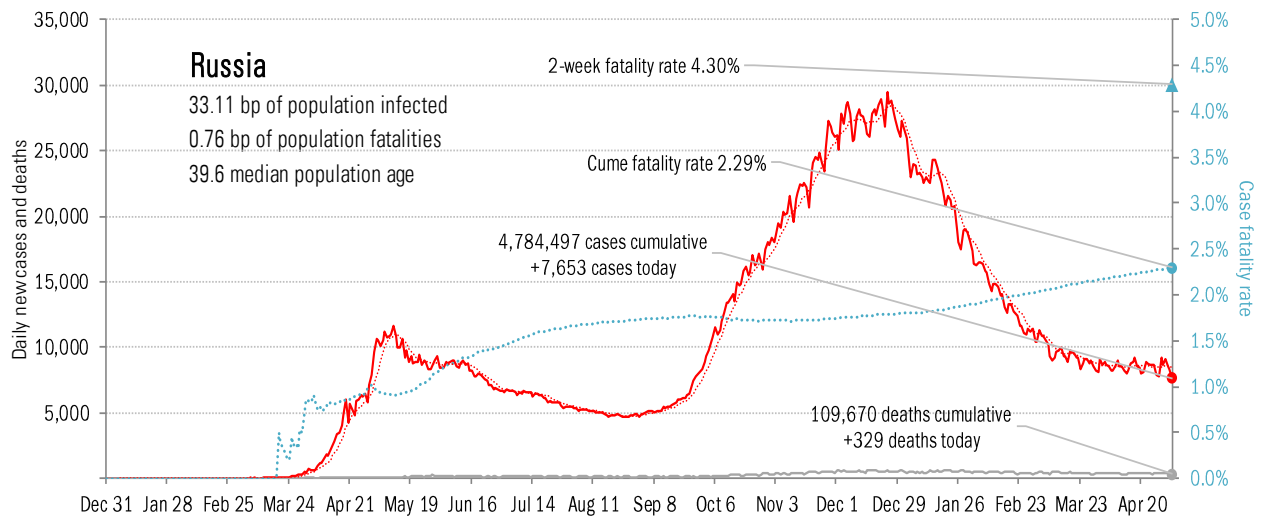
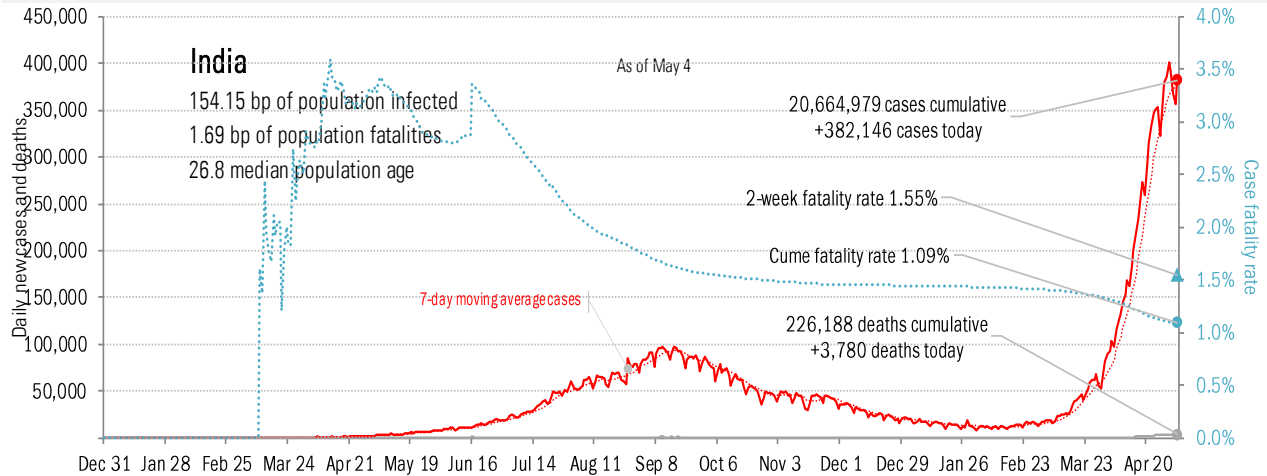
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



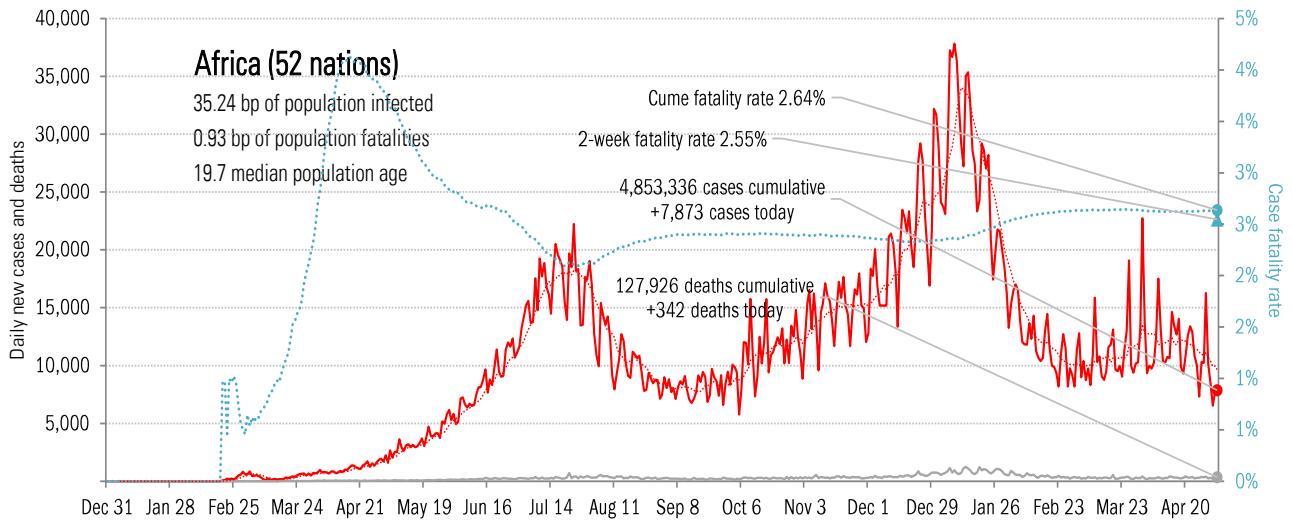
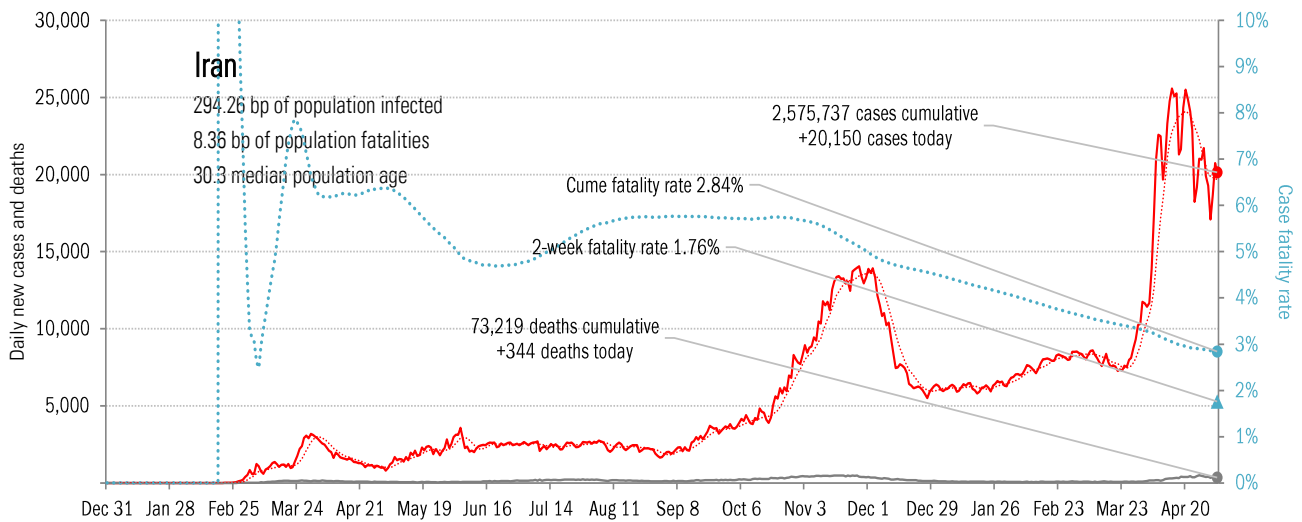
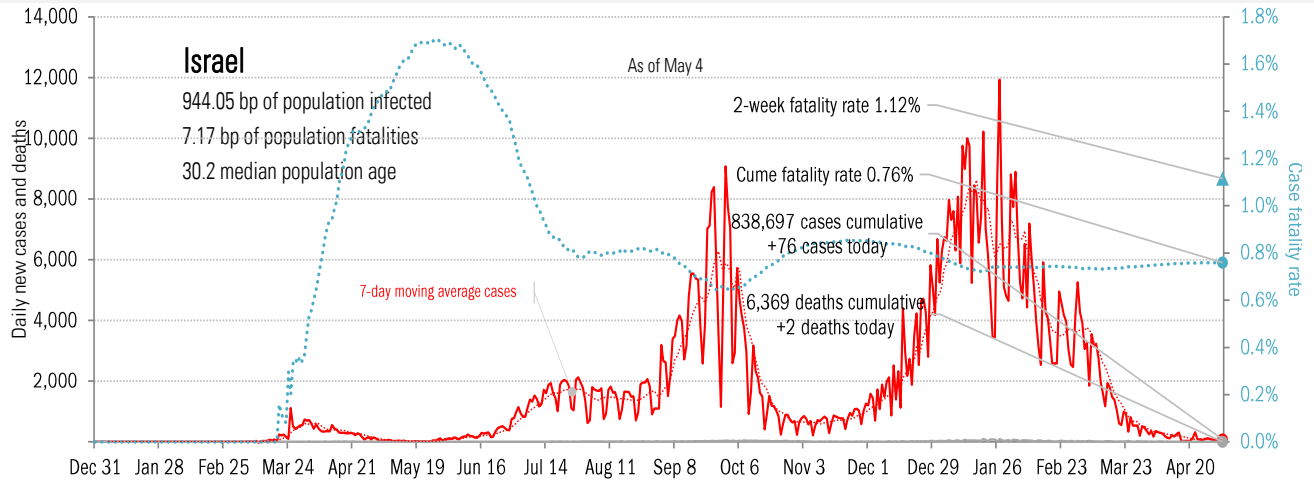
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



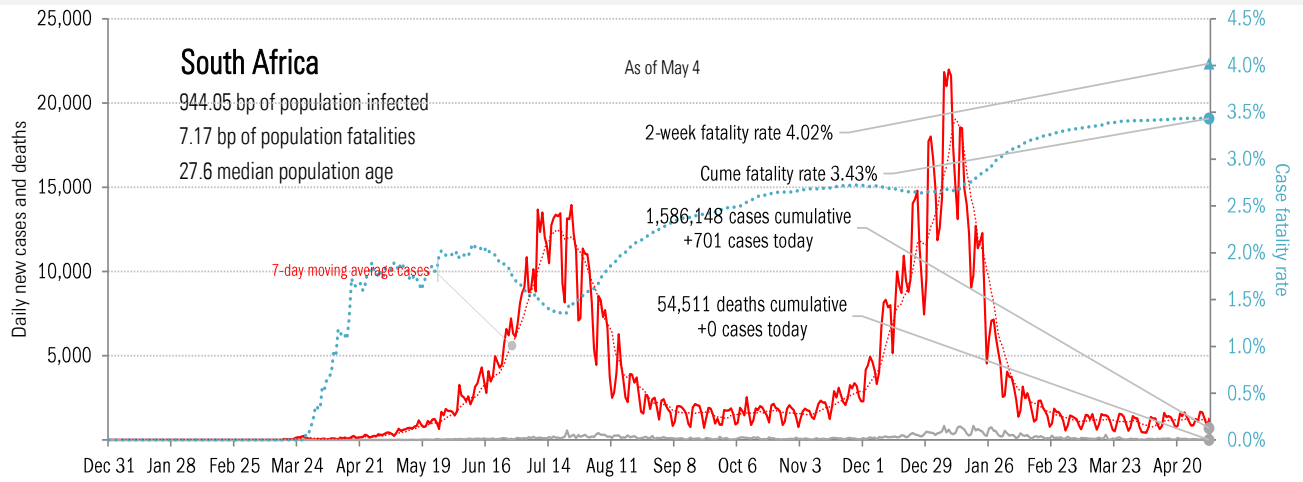
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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