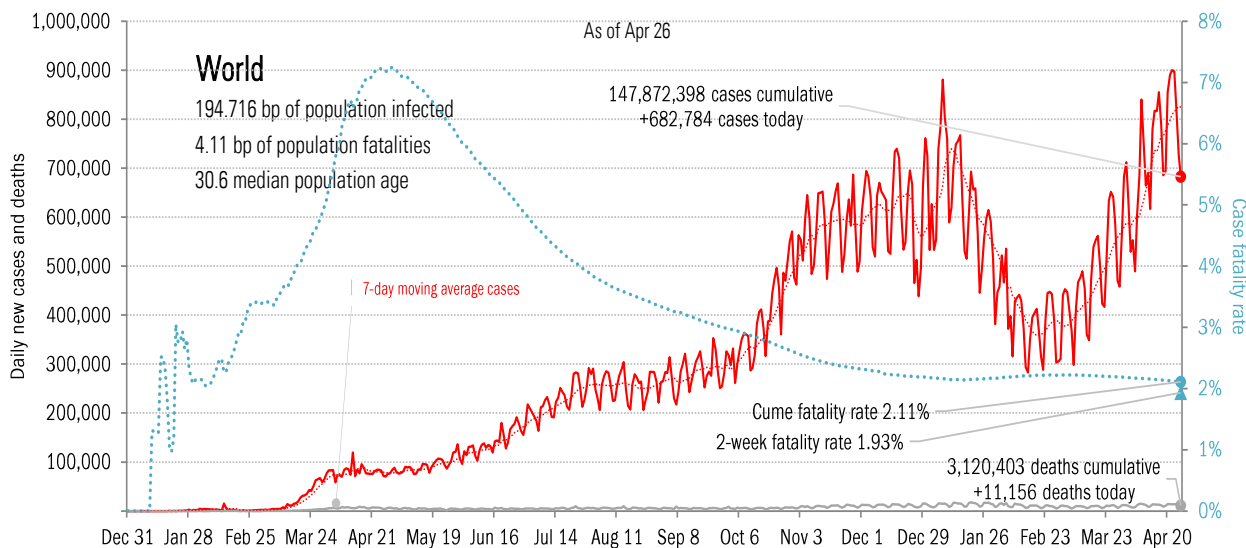
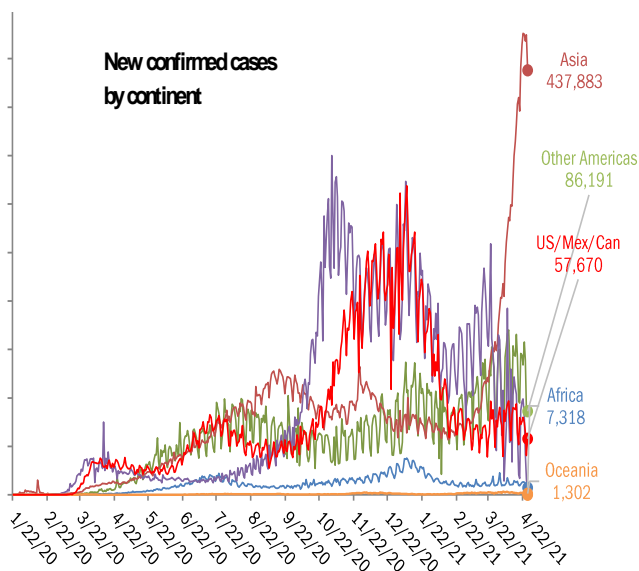


Data Insights: Covid-2019 Monitor

Tuesday, April 27, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+323,023	India	+2,771
United States	+47,691	Brazil	+1,139
Turkey	+37,312	Iran	+496
Brazil	+28,636	United States	+474
Iran	+21,026	Colombia	+448
Spain	+19,852	Argentina	+443
Argentina	+18,793	France	+398
Colombia	+12,839	Turkey	+353
Philippines	+8,905	Russia	+349
Canada	+8,836	Germany	+338
+526,913		+7,209	
World +682,784		World +11,156	
Top ten 77%		Top ten 65%	



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

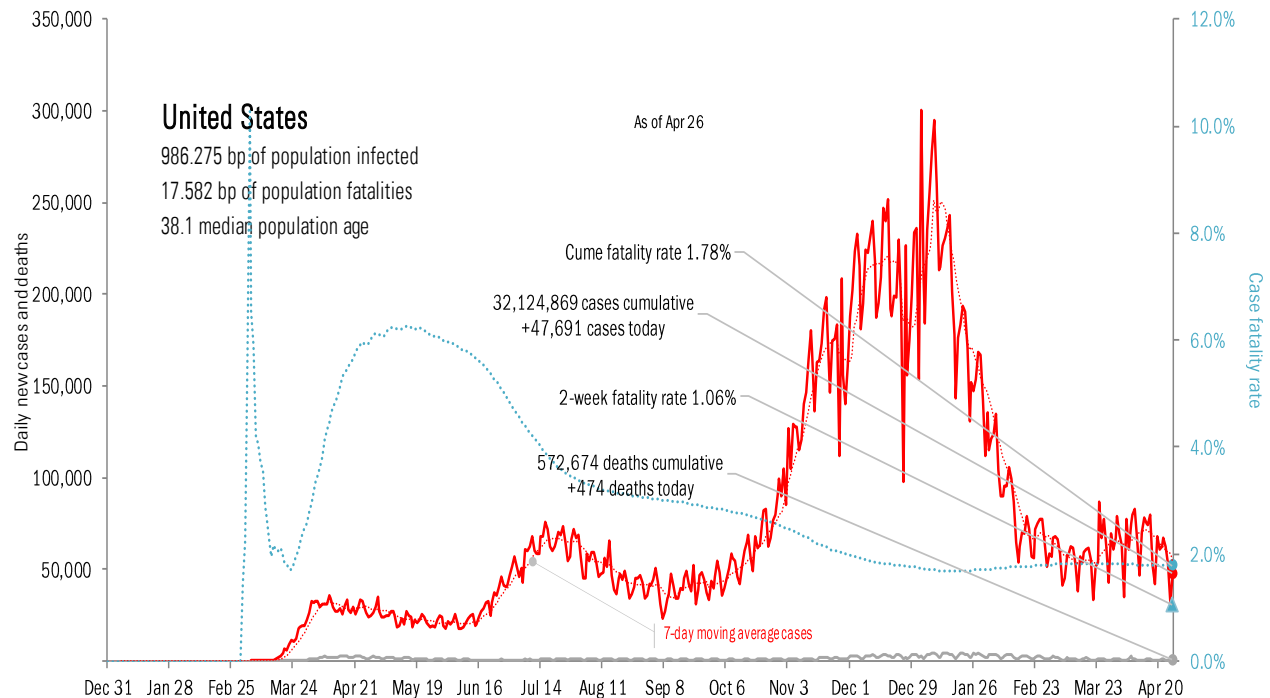
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	+7,080	FL	+64	AZ	+41	CA	3,734,562	CA	61,500	TX	235,417	RI	93%	MI	34%						
NC	+5,691	NY	+39	CO	+29	TX	2,878,438	NY	52,042	CA	228,879	MA	84%	MD	24%						
TX	+4,443	MI	+37	GA	+29	FL	2,212,097	TX	49,967	FL	164,290	CT	84%	MN	24%						
FL	+3,513	NC	+37	PR	+19	NY	2,034,102	FL	34,912	NY	126,406	MD	83%	RI	19%						
NY	+3,009	GA	+34	WA	+15	IL	1,323,069	PA	25,976	GA	99,474	PA	82%	PA	18%						
PA	+2,860	TX	+31	AL	+11	PA	1,137,602	NJ	25,399	PA	82,330	MI	82%	ME	18%						
CA	+2,792	CA	+21	CA	+11	GA	1,094,580	IL	24,150	CH	80,384	MO	80%	DE	18%						
CT	+2,167	CT	+19	ME	+11	CH	1,065,702	GA	20,009	IL	74,355	GA	80%	CO	17%						
IL	+2,135	NJ	+19	DE	+8	NJ	988,886	CH	19,122	KY	71,177	FL	79%	NY	16%						
WA	+2,105	WA	+16	ID	+8	NC	962,623	MI	18,446	MI	62,840	DC	79%	WV	14%						
+35,795			+317			+182			17,431,661			331,523			1,225,552						
All states +47,691			+474			-594			All states 32,124,869			572,674			2,185,562			All states 70%		67%	
Top ten 75%			67%			-31%			Top ten 54%			58%			56%			Median 72%		11%	

Some states not reporting

Five most improved US states

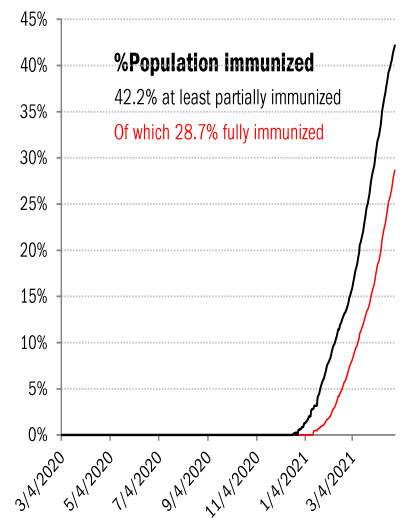
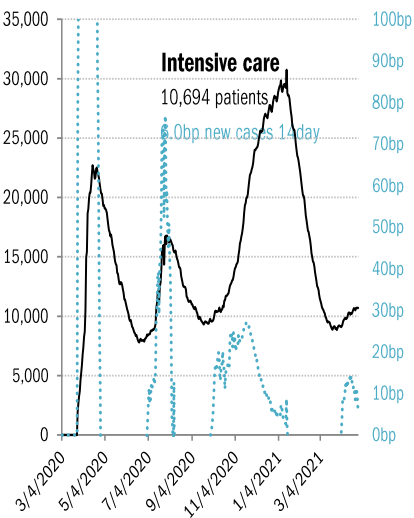
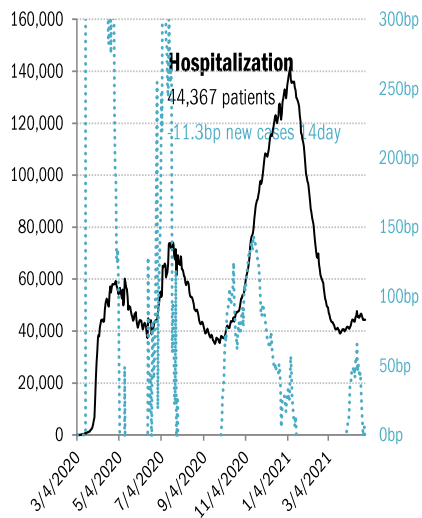
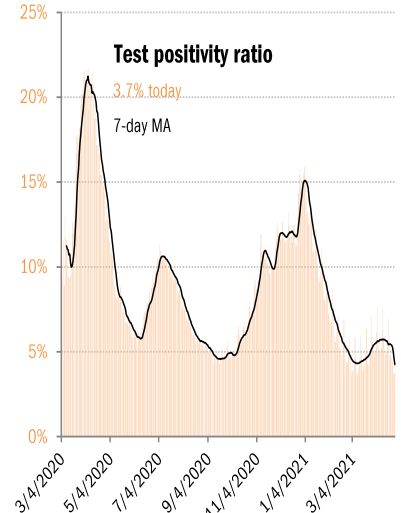
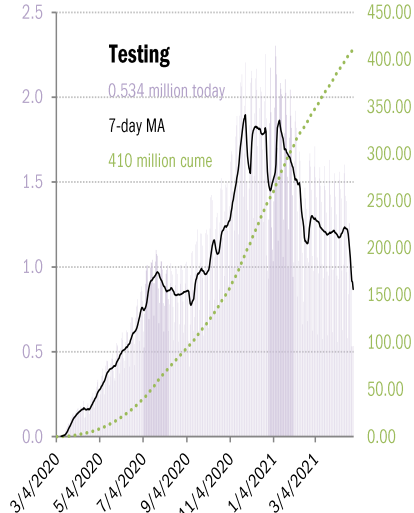
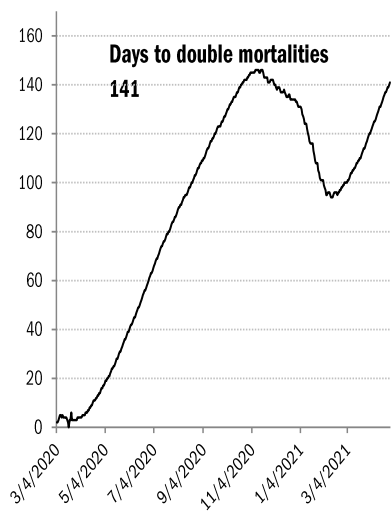
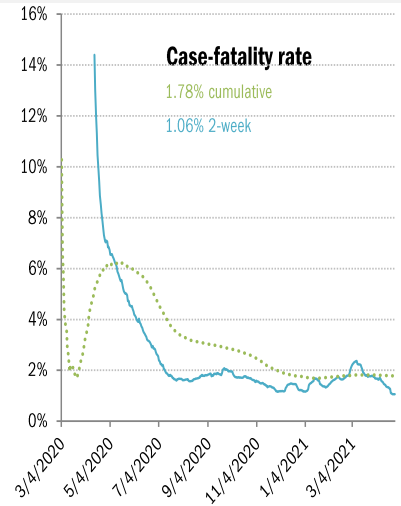
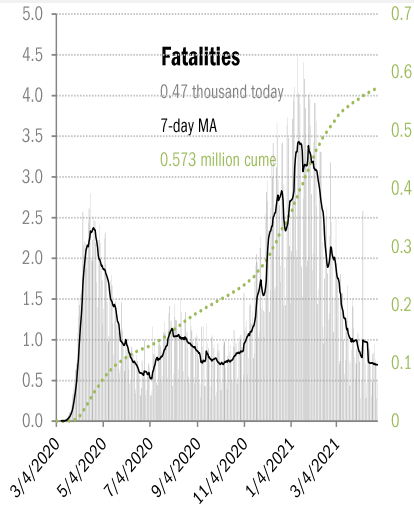
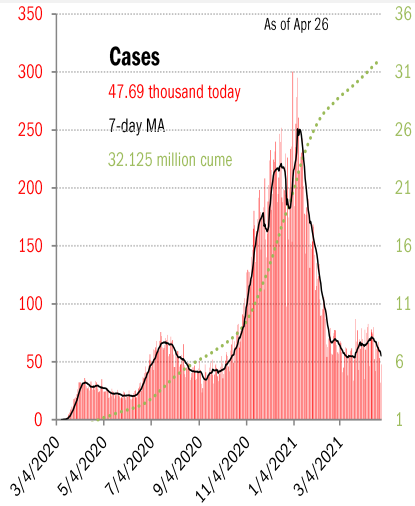
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NJ	-10,699	IL	-14	MI	-175	MP	+3167 bp
FL	-1,158	CA	-13	NY	-140	PR	+2274 bp
NY	-1,055	NY	-13	PA	-132	NE	+127 bp
CO	-555	SC	-13	TX	-110	WY	+86 bp
MN	-359	AZ	-8	IL	-97	VT	+84 bp



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

US deep-dive

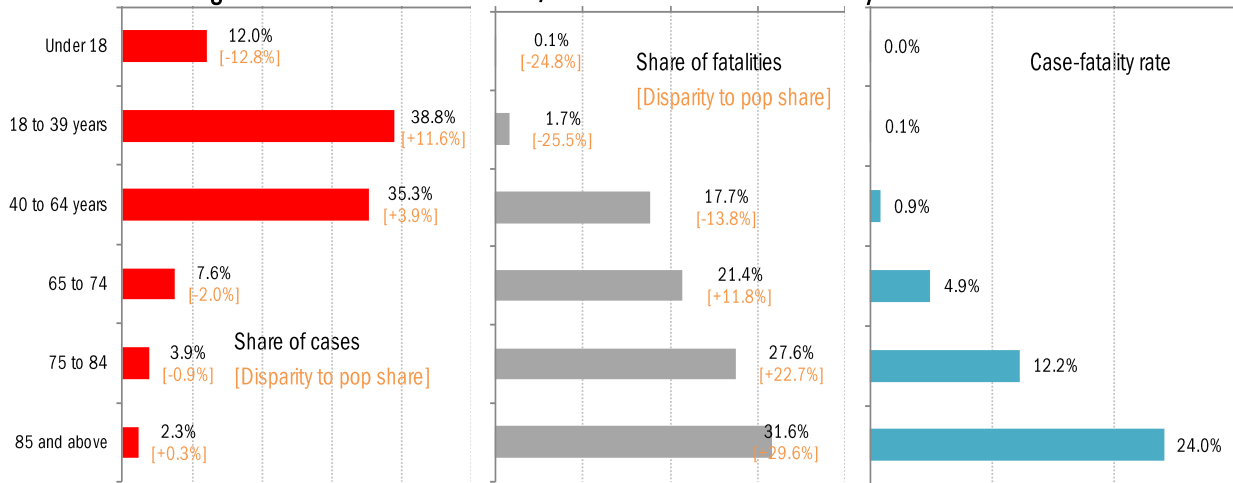
National and state-by-state data do not line up because of different sources



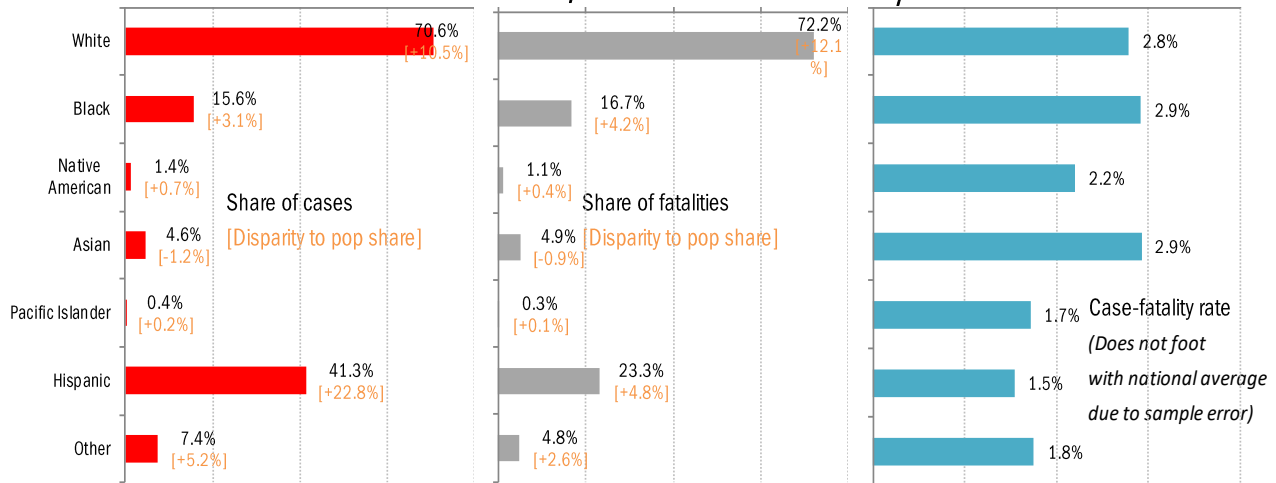
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

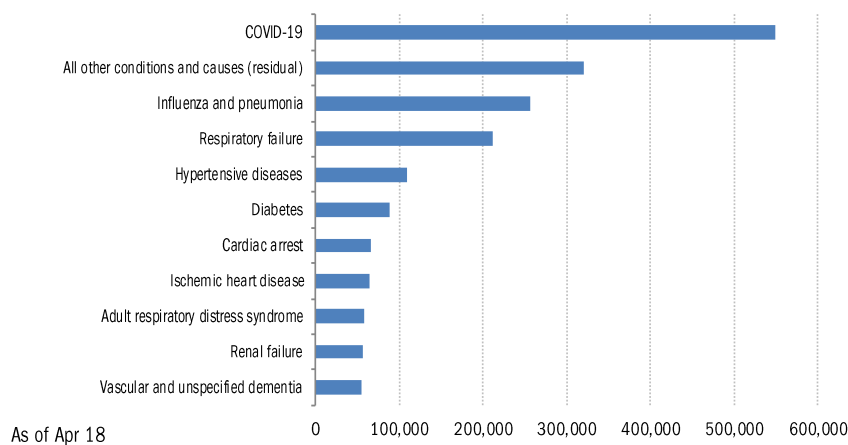


Racial distribution of US cases, fatalities and case-fatality rates



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

[Time to End Outdoor Mask Edicts](#)

Scott Gottlieb
Wall Street Journal
April 25, 2021

[Simple Sabotage Field Manual](#)

Strategic Services Unit
United States War Department
January 17, 1944

[Nottingham doctor seeing 'deluge' of aggressive cancer symptoms in patients after year of lockdowns](#)

Ben Reid
Nottinghamshire Live
April 26, 2021

[AZ parent slams school board for 'double standard' of hosting retirement party, canceling prom](#)

Talia Kaplan
Fox News
April 25, 2021

[Thousands march in London against lockdowns, COVID vaccine passports](#)

Melissa Klein
New York Post
April 24, 2021

[The Failure of Imperial College Modeling Is Far Worse than We Knew](#)

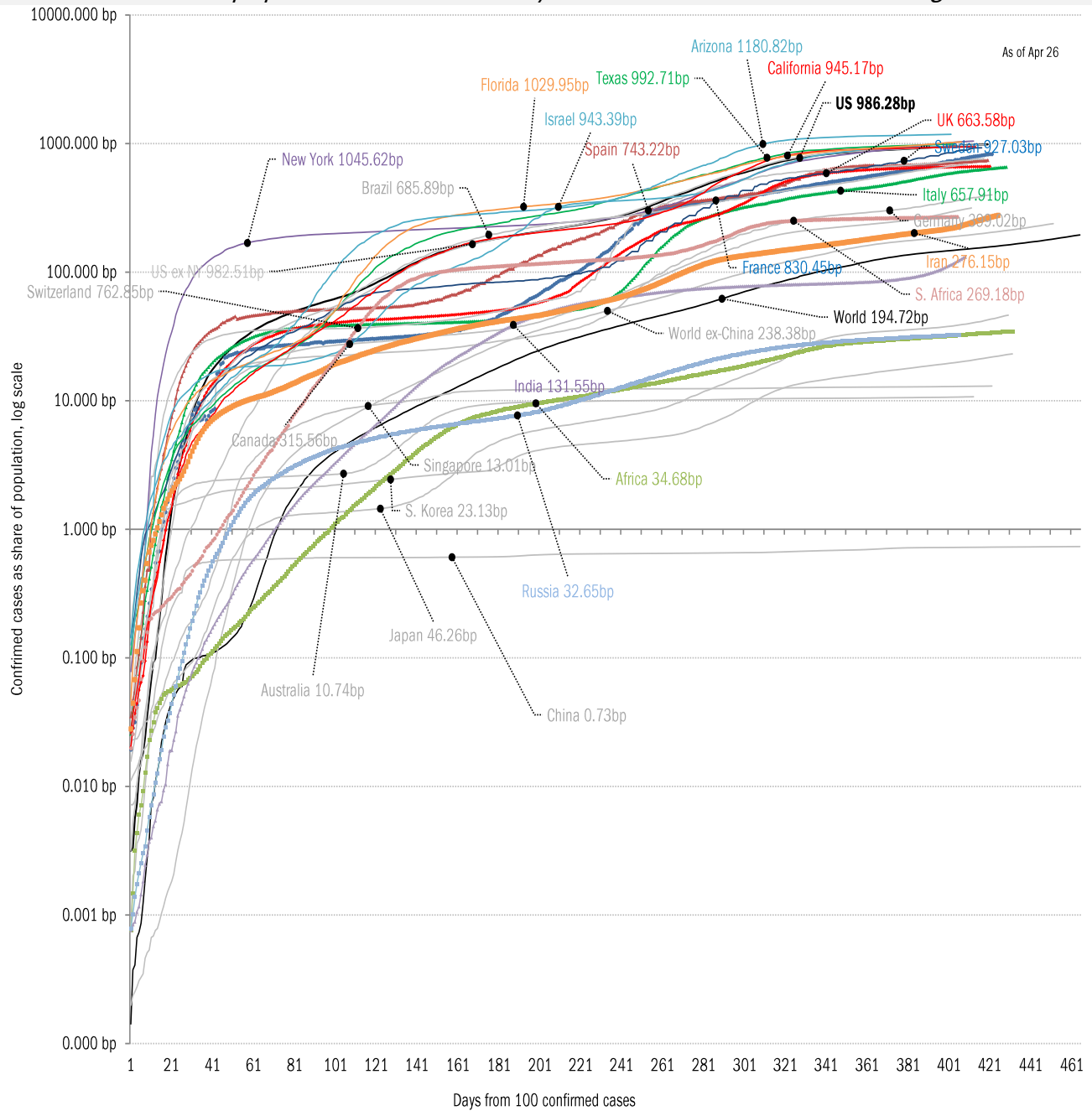
Phillip W. Magness
American Institute for Economic Research
April 22, 2021

Meme of the day



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

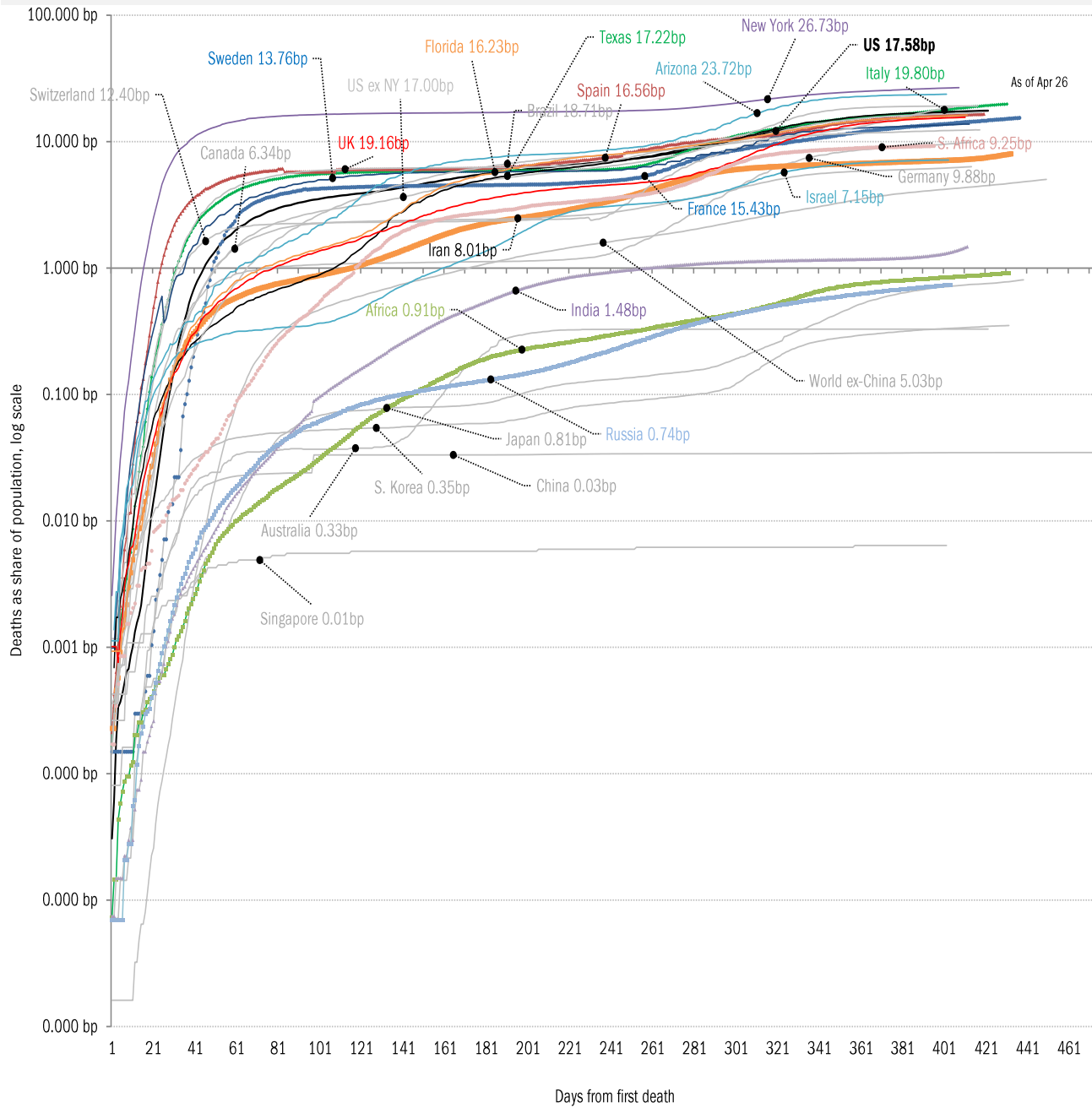
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

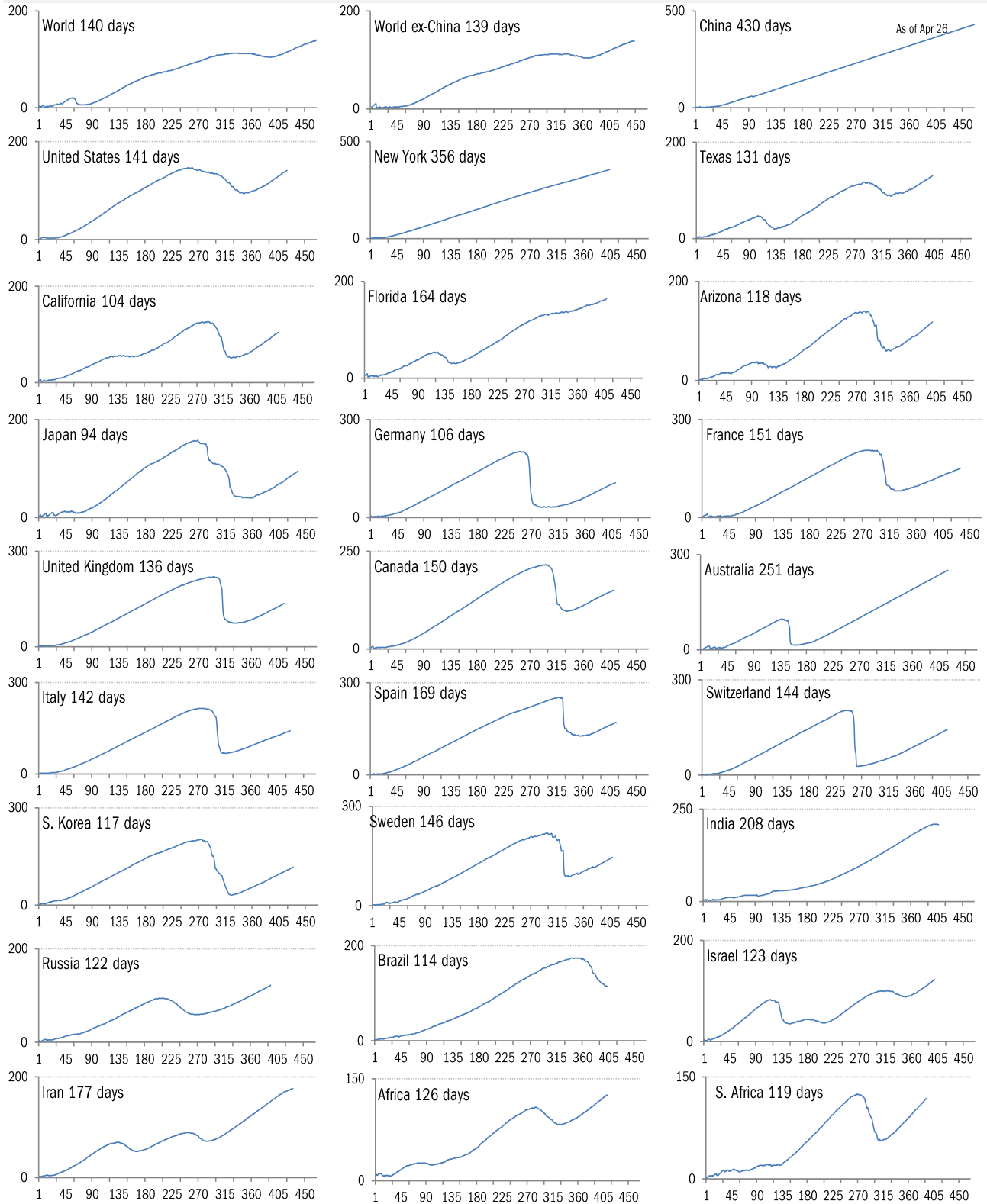


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-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

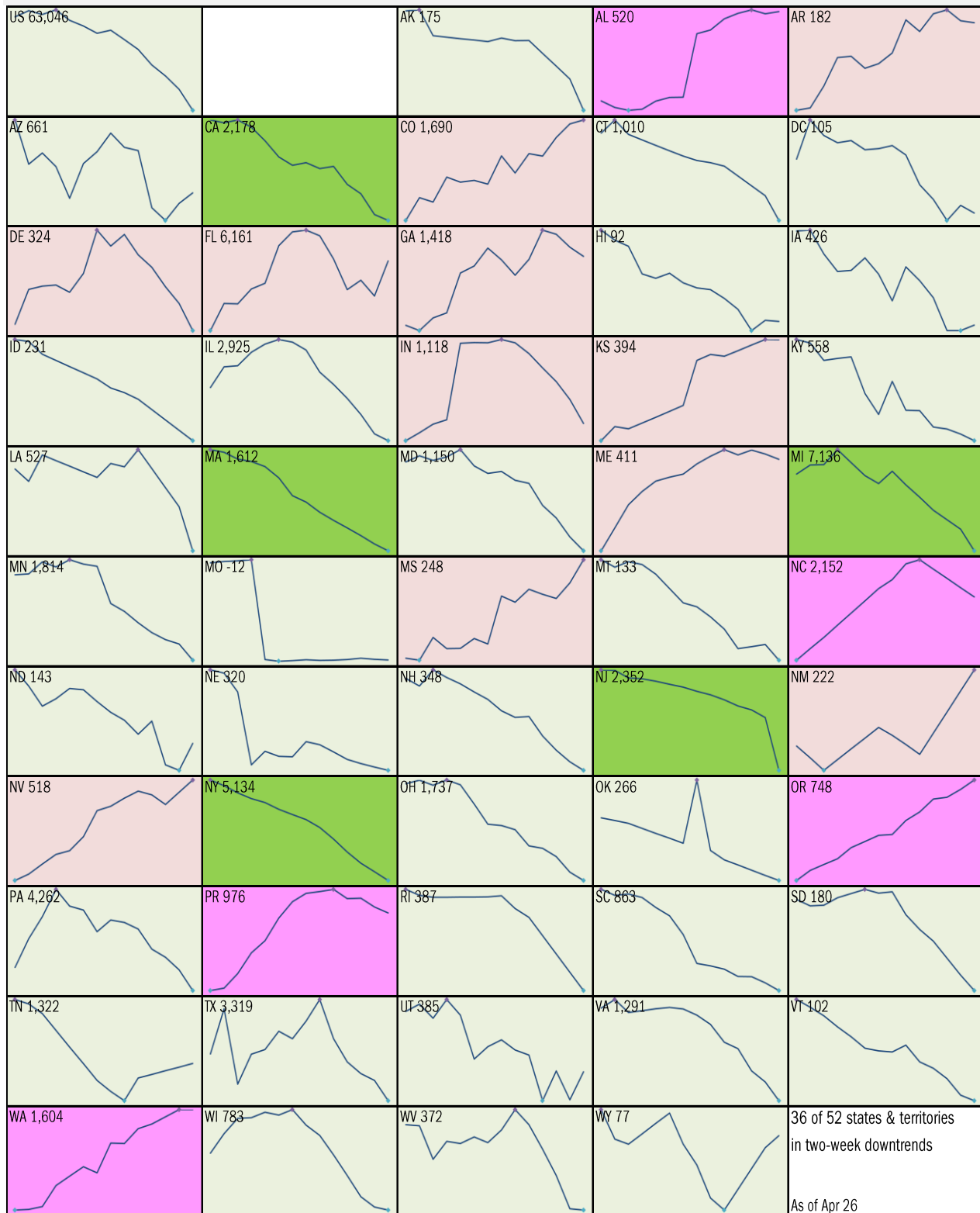


Source: [Johns Hopkins](#), TrendMacro calculations

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

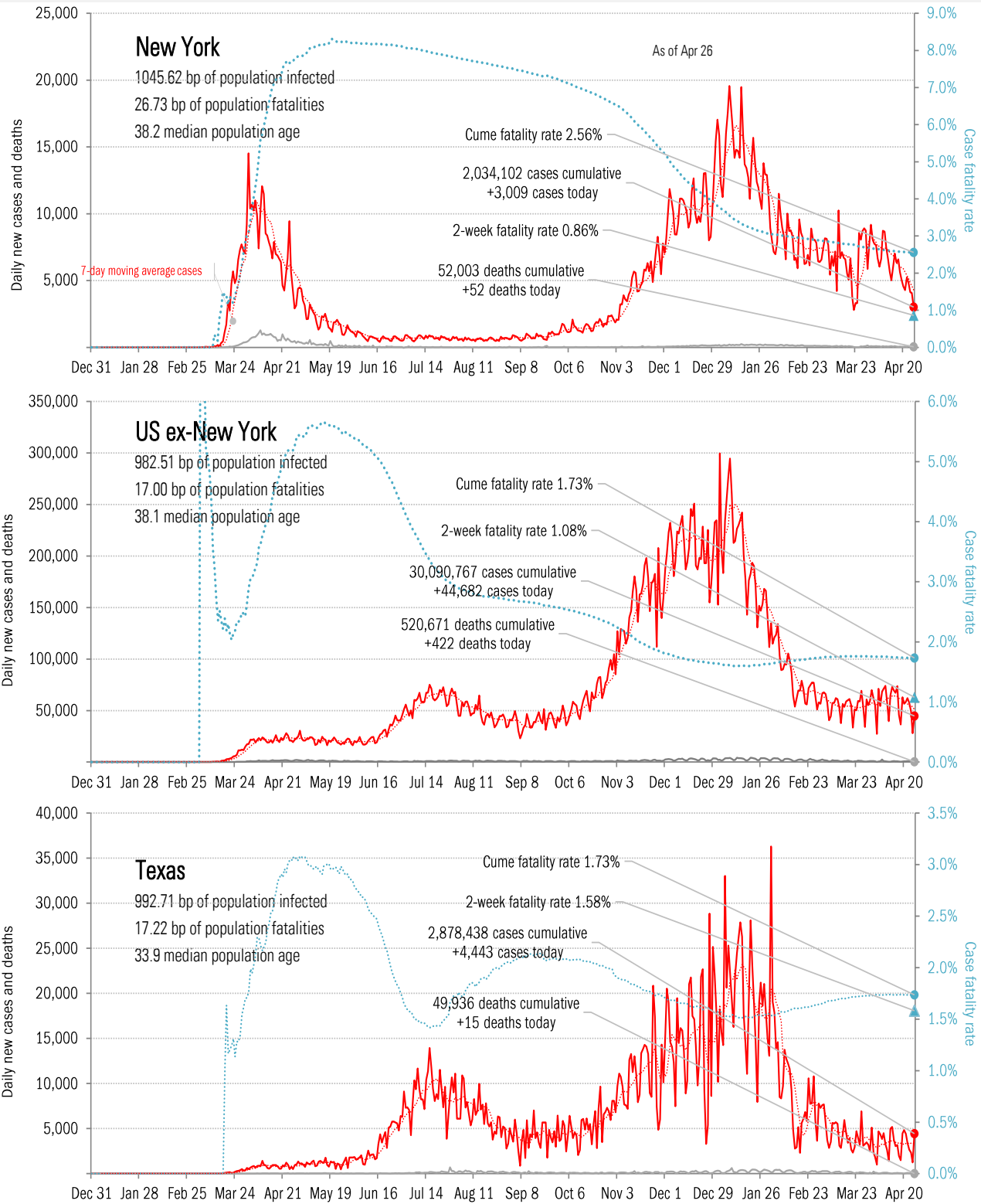
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



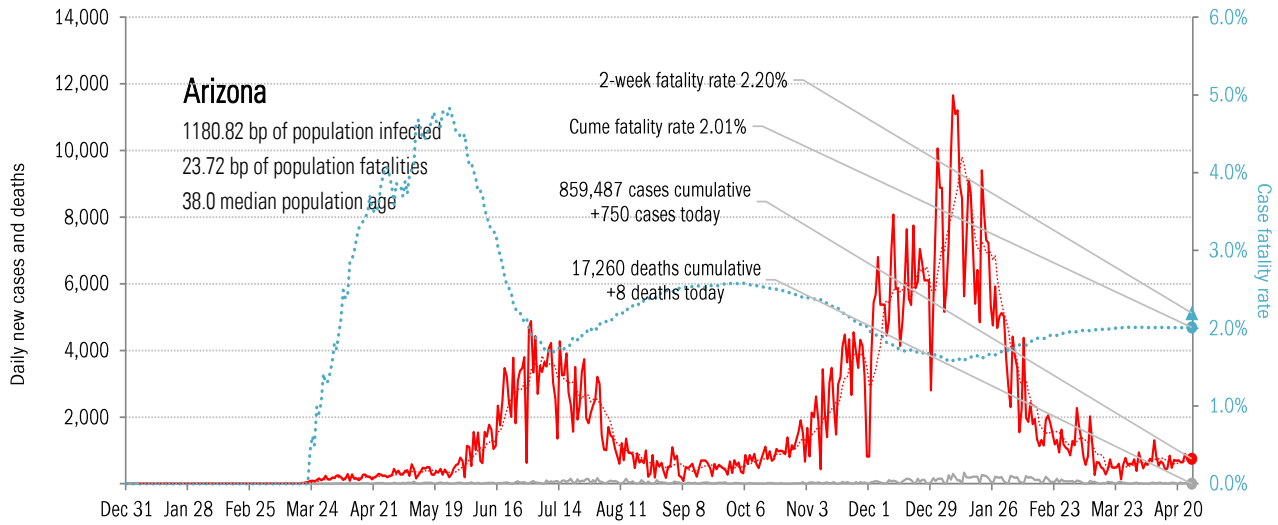
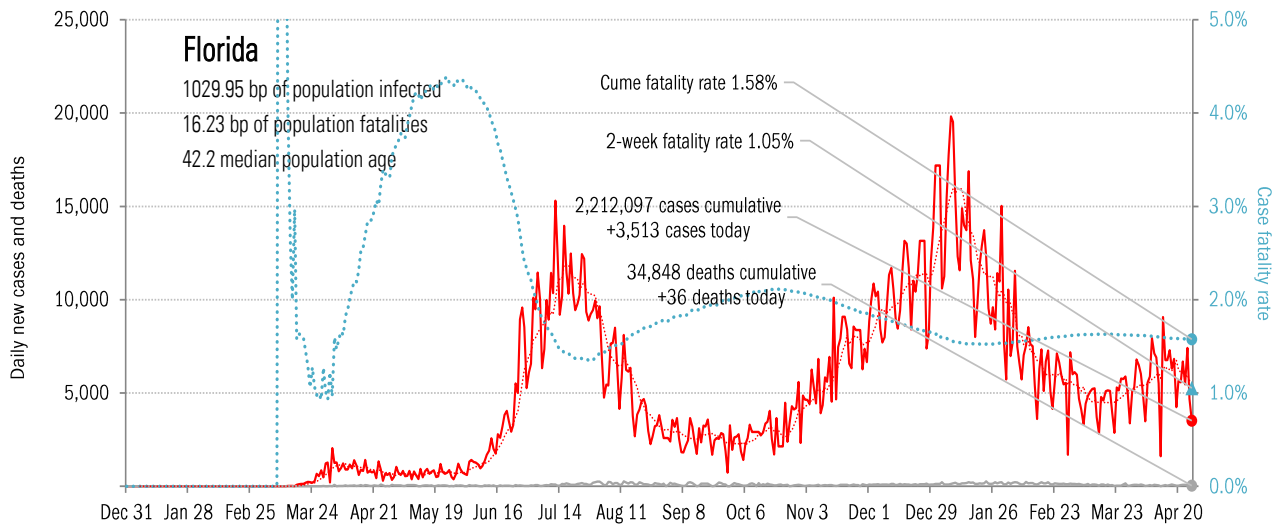
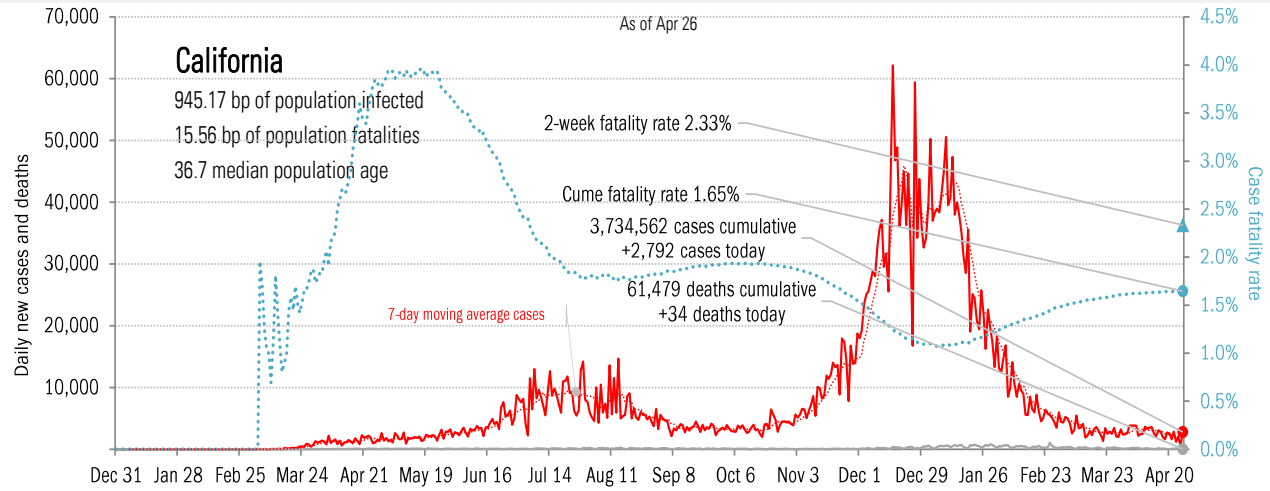
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



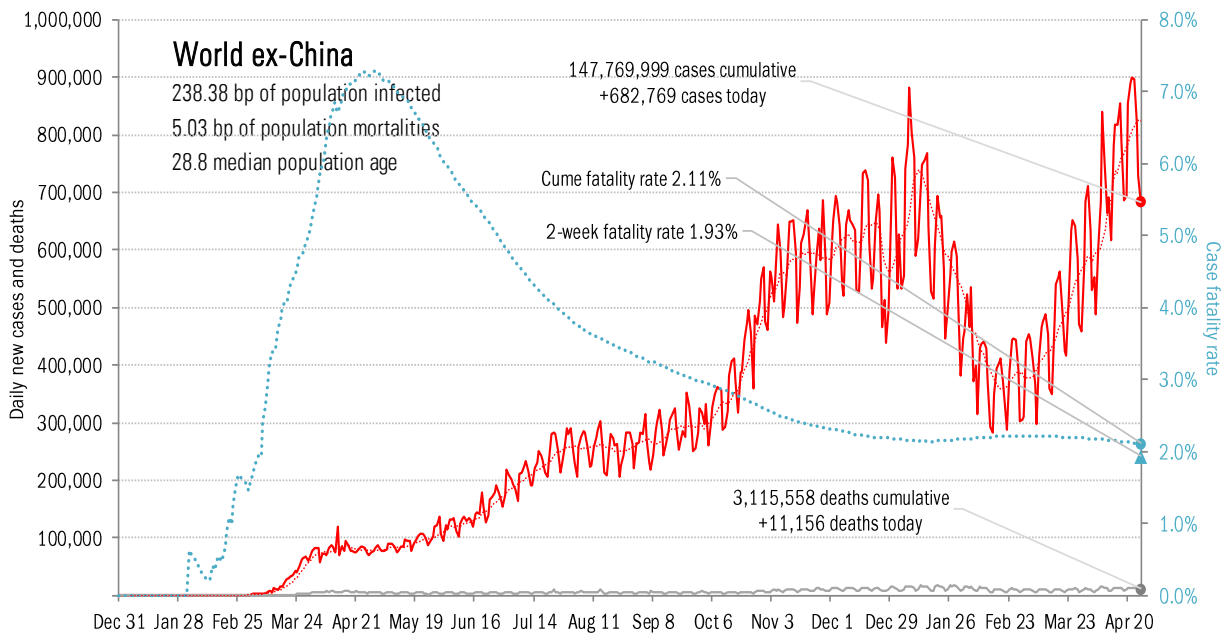
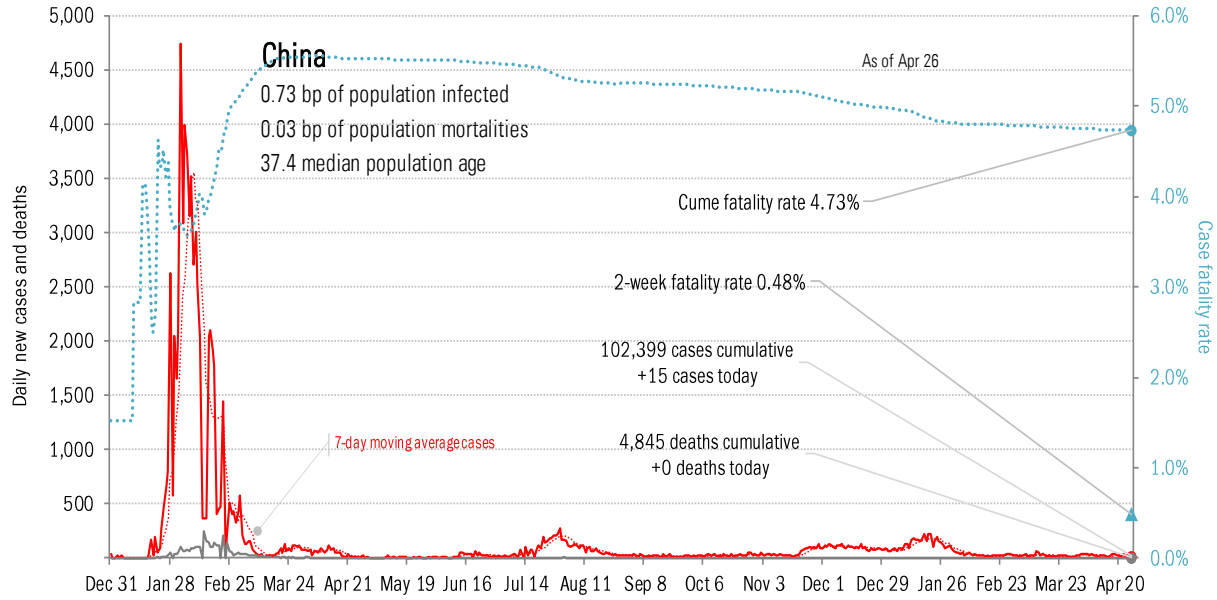
Source: [Johns Hopkins](#), TrendMacro calculations

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



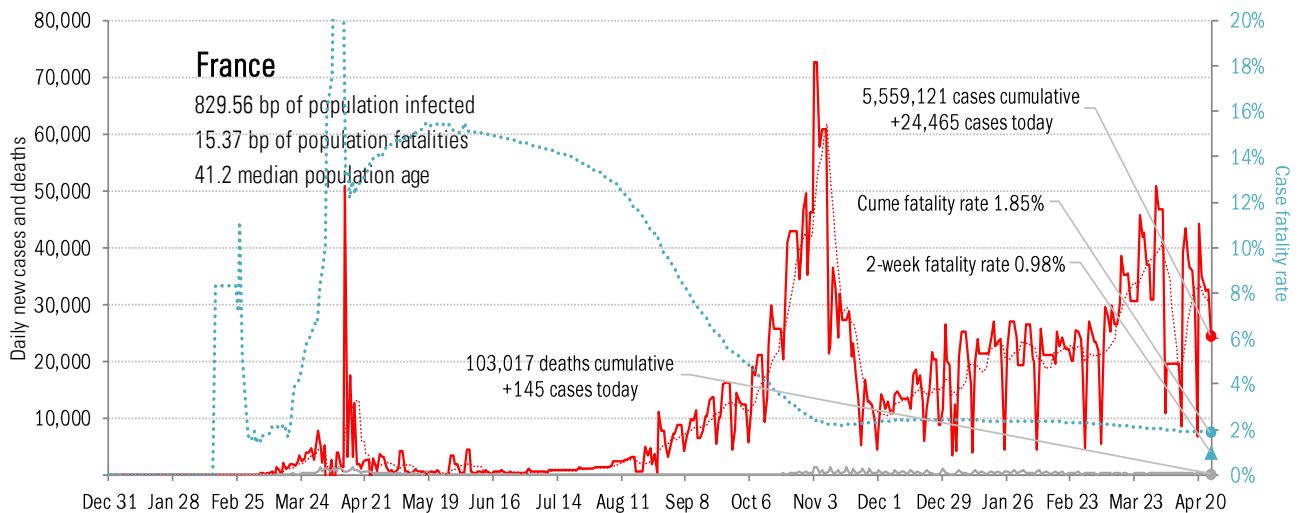
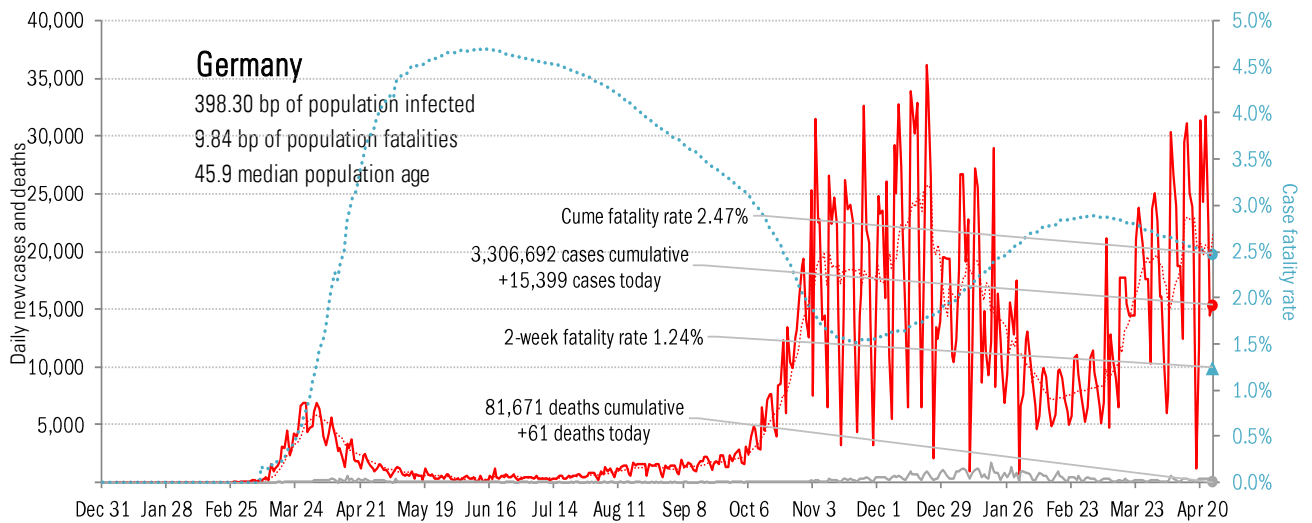
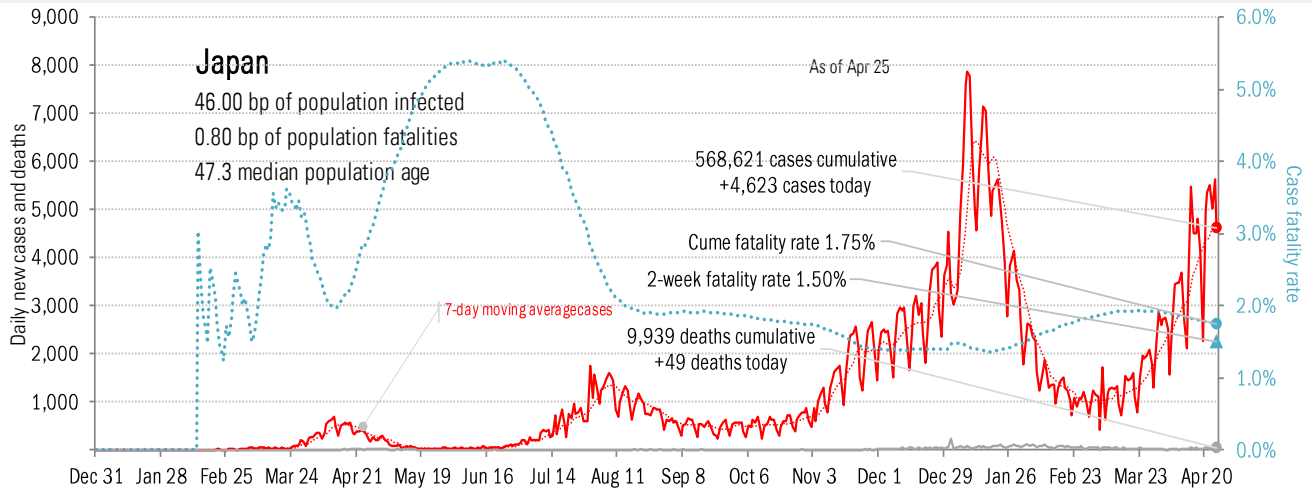
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



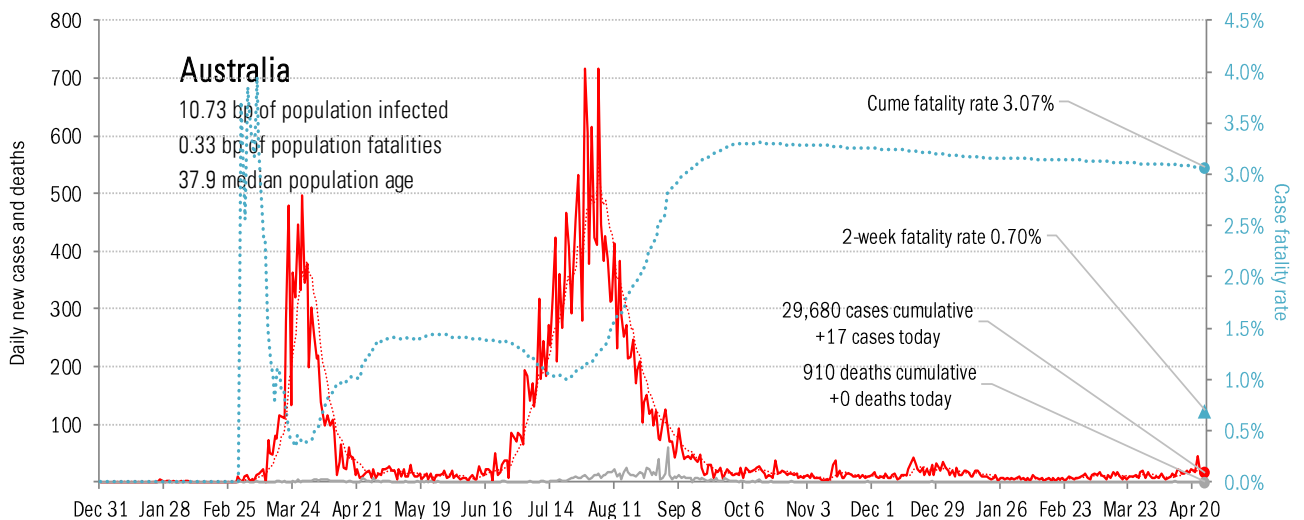
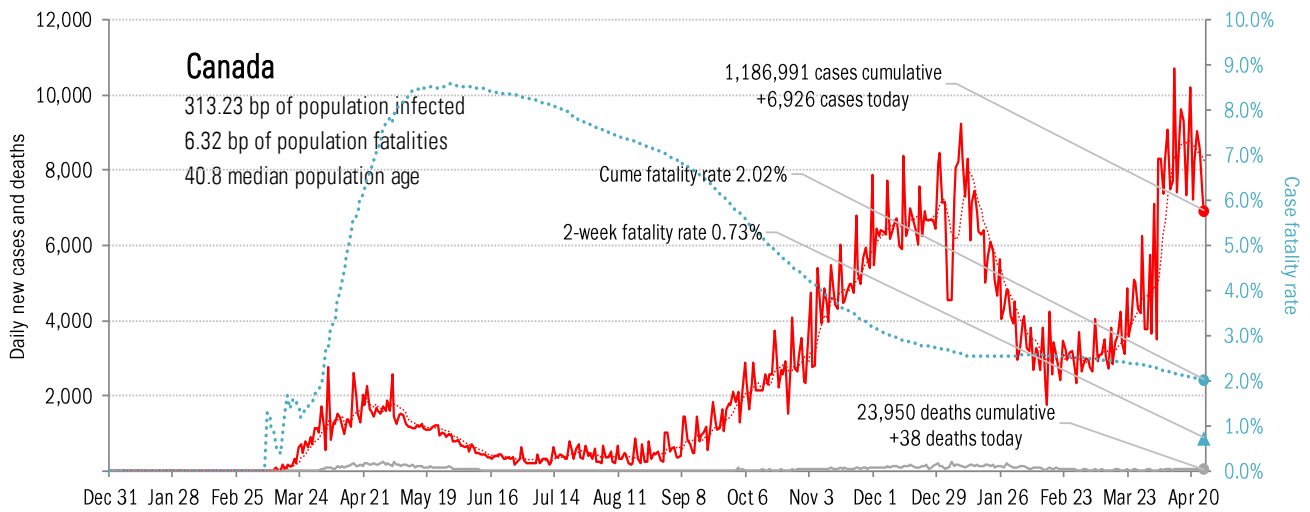
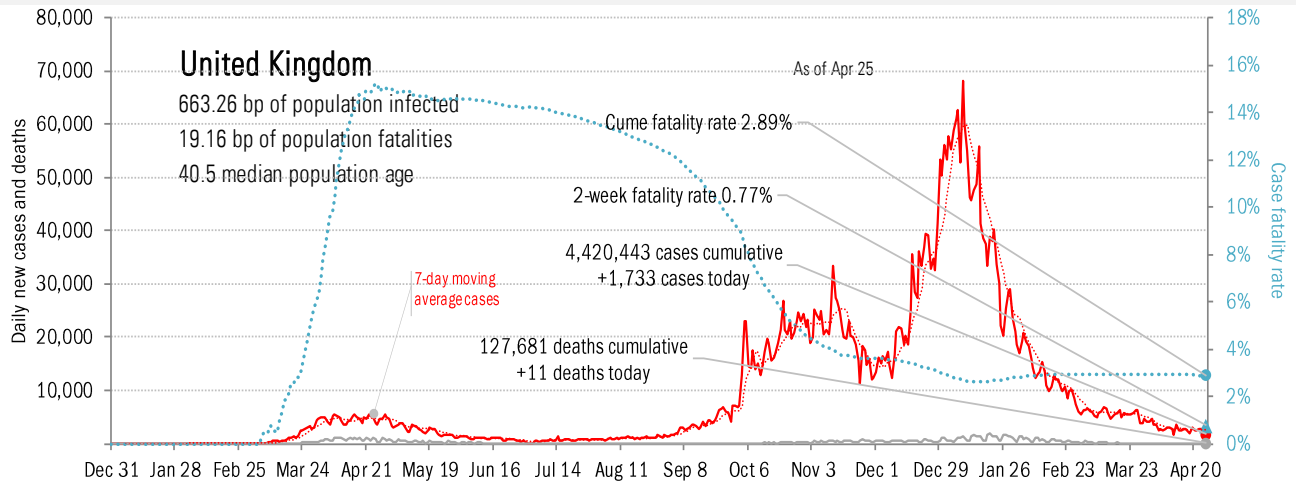
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



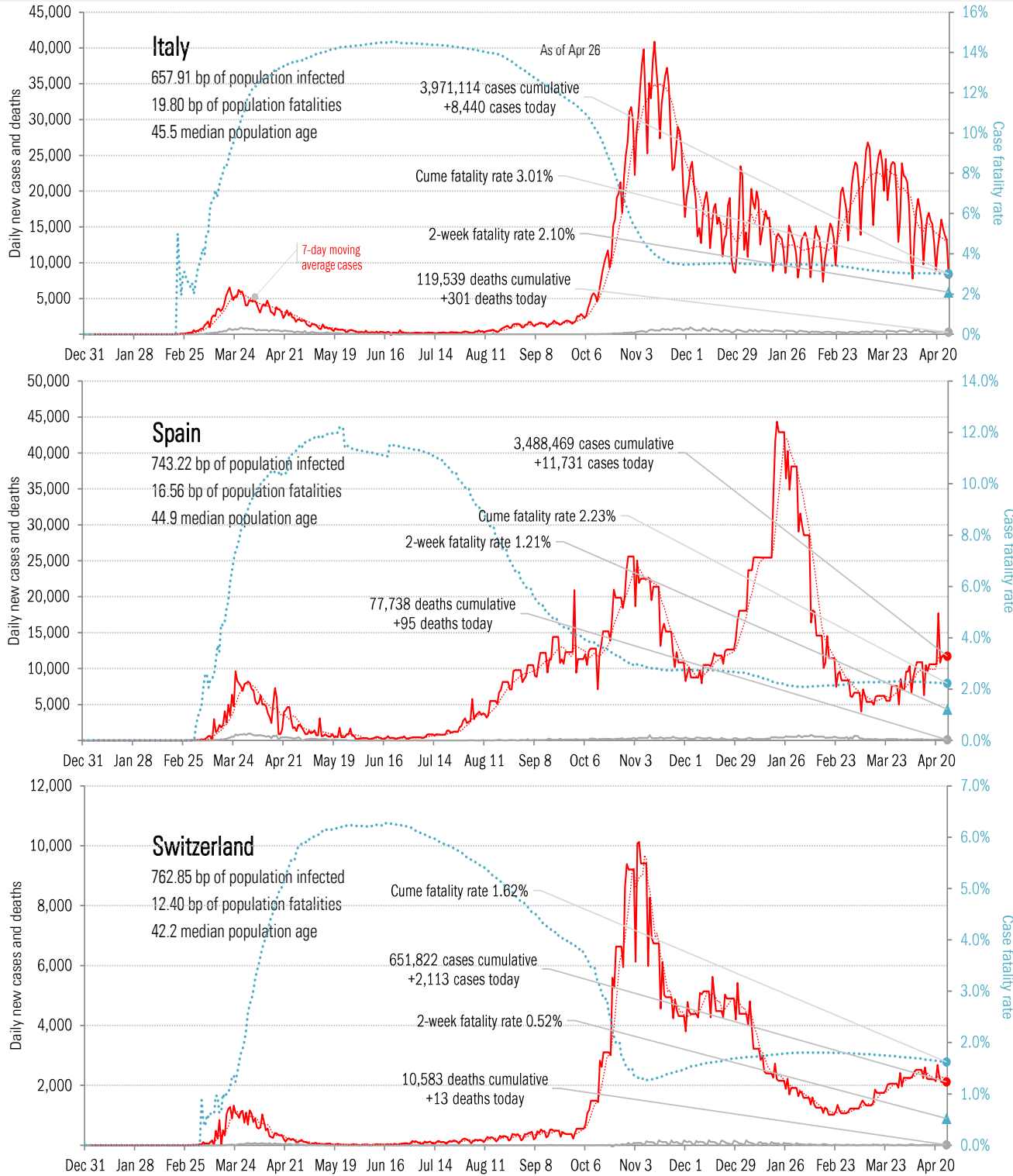
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



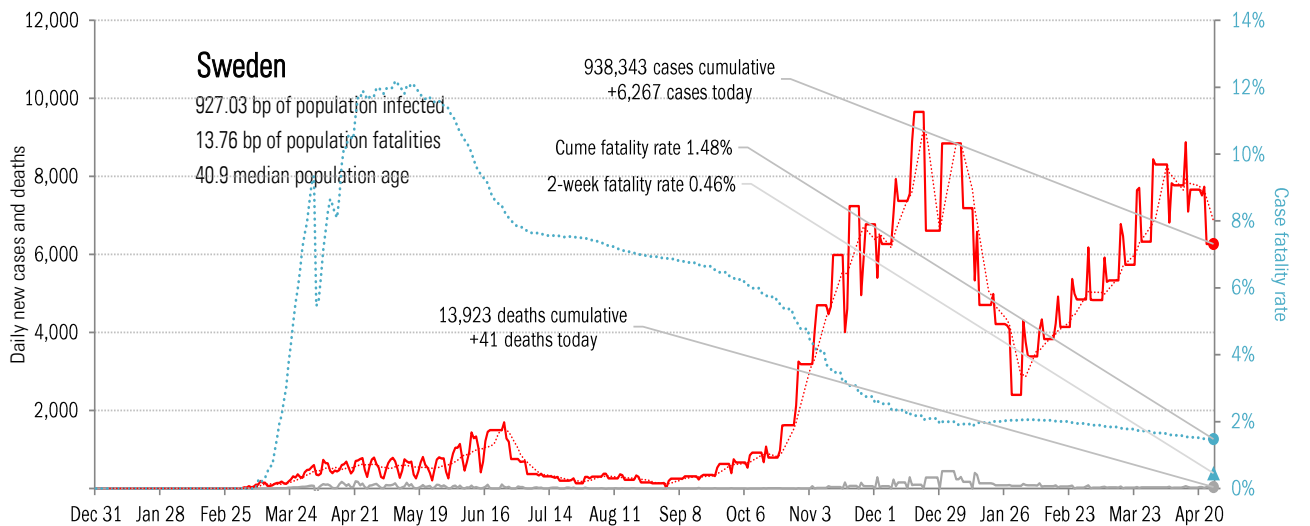
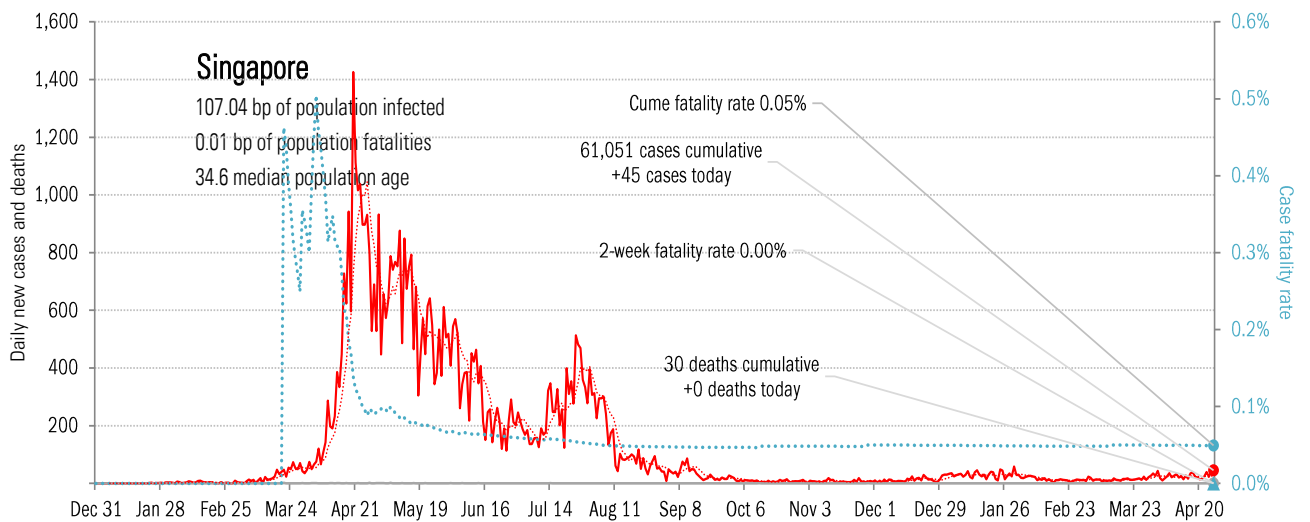
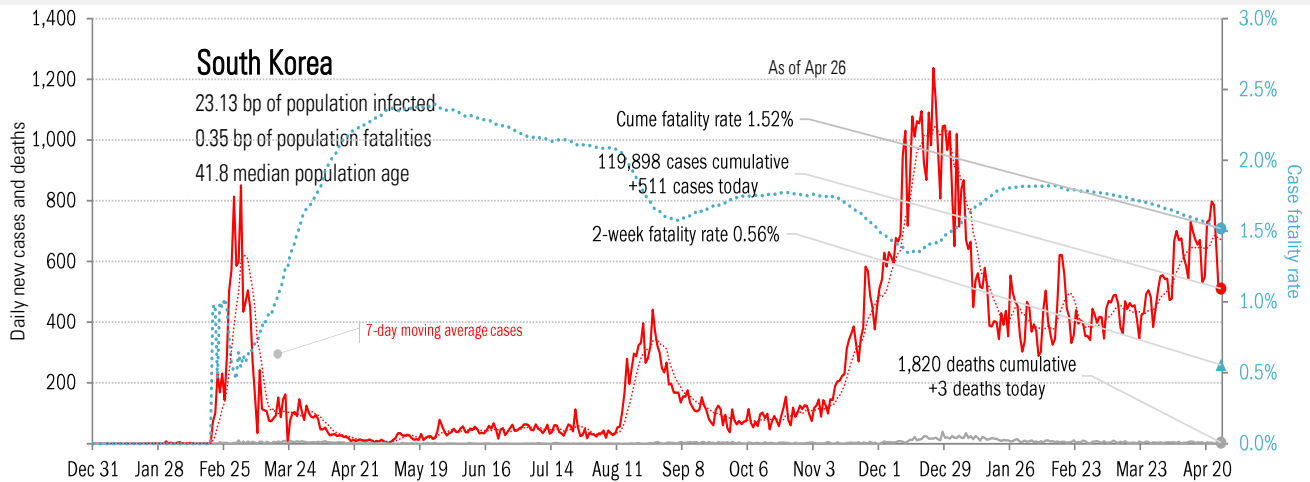
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



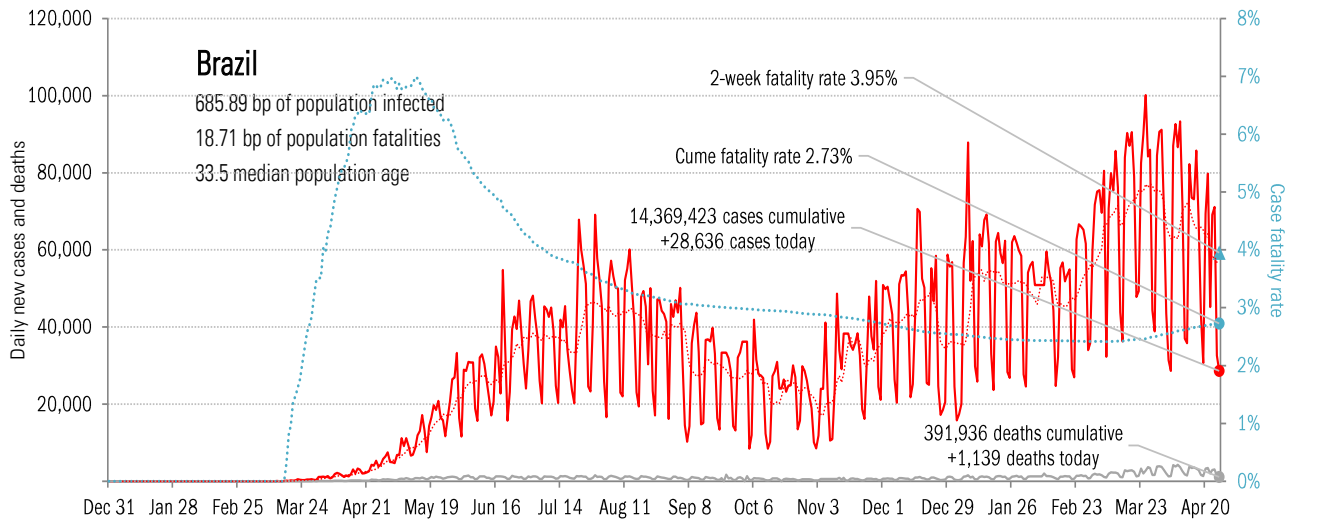
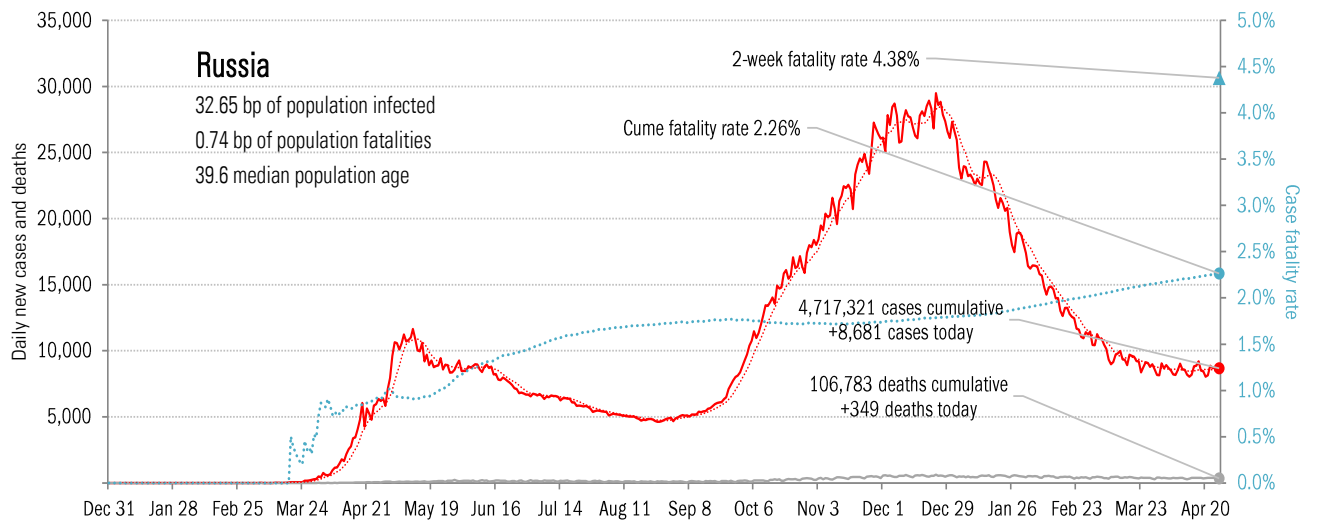
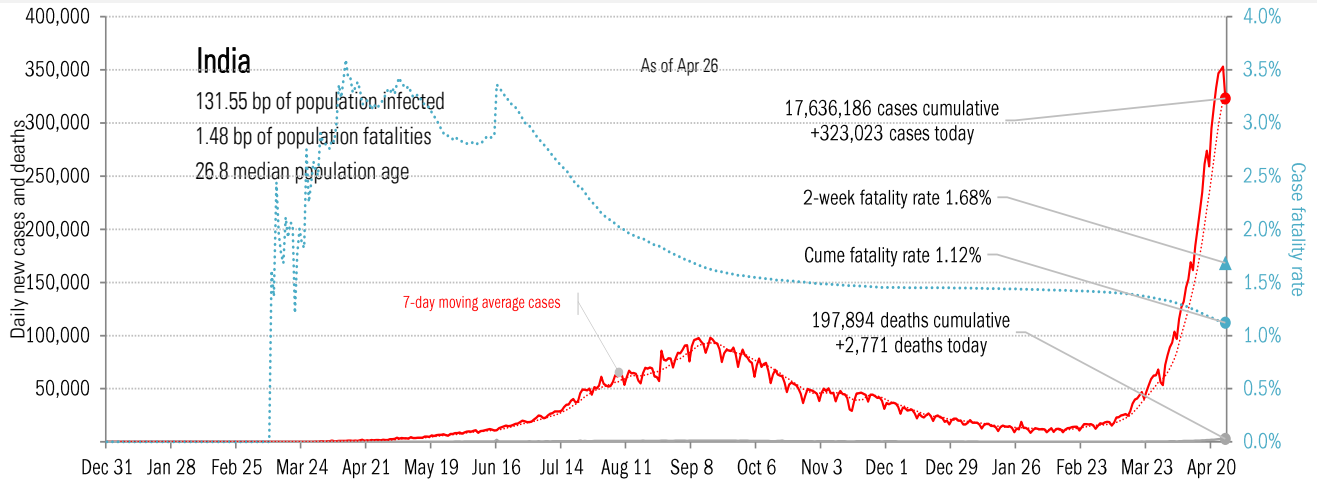
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



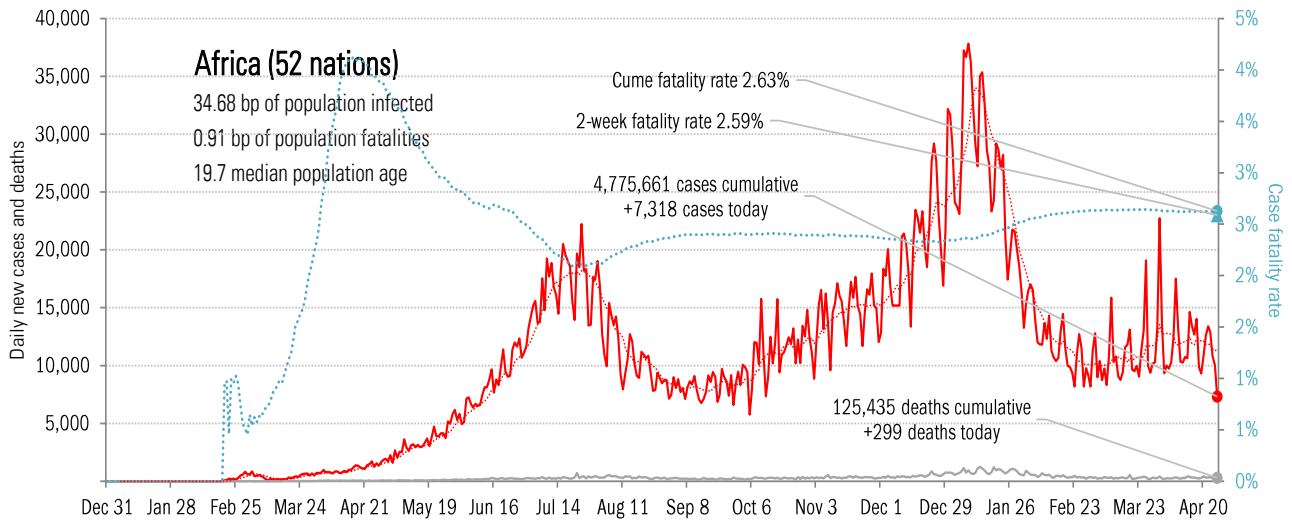
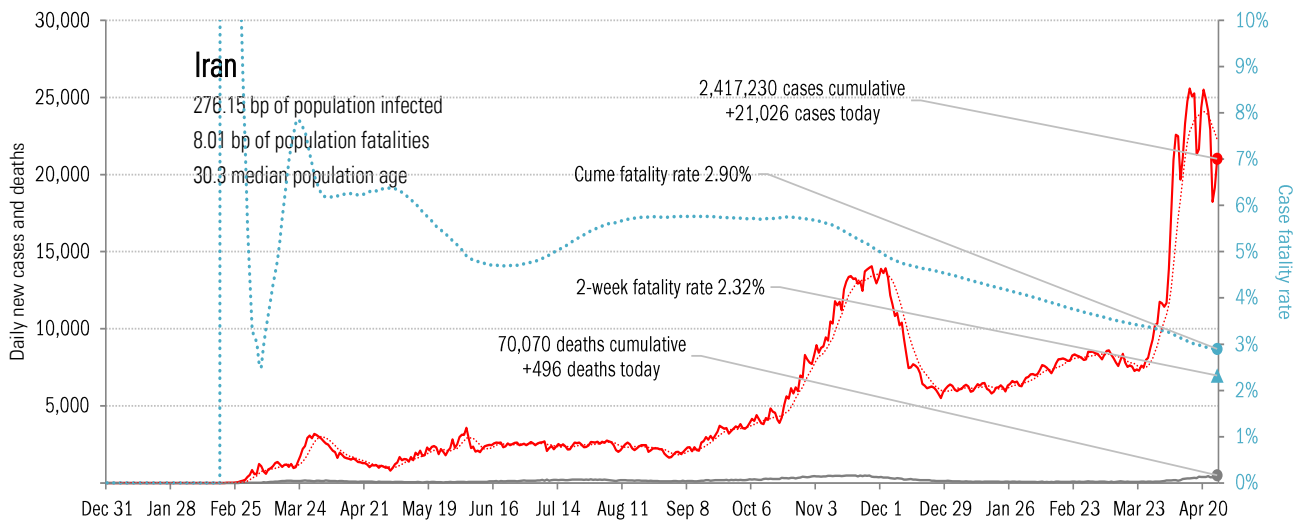
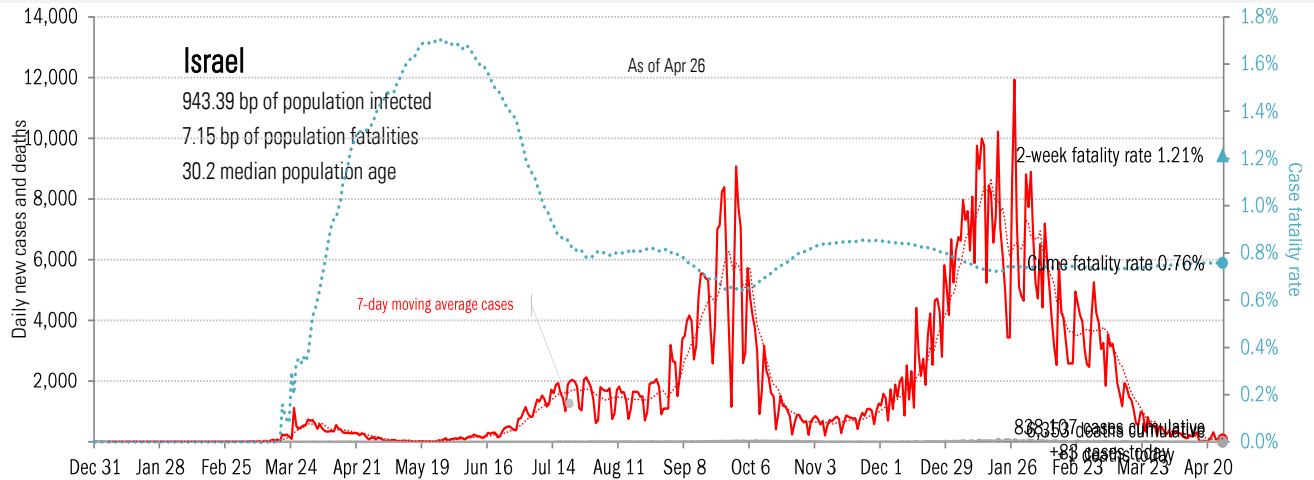
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



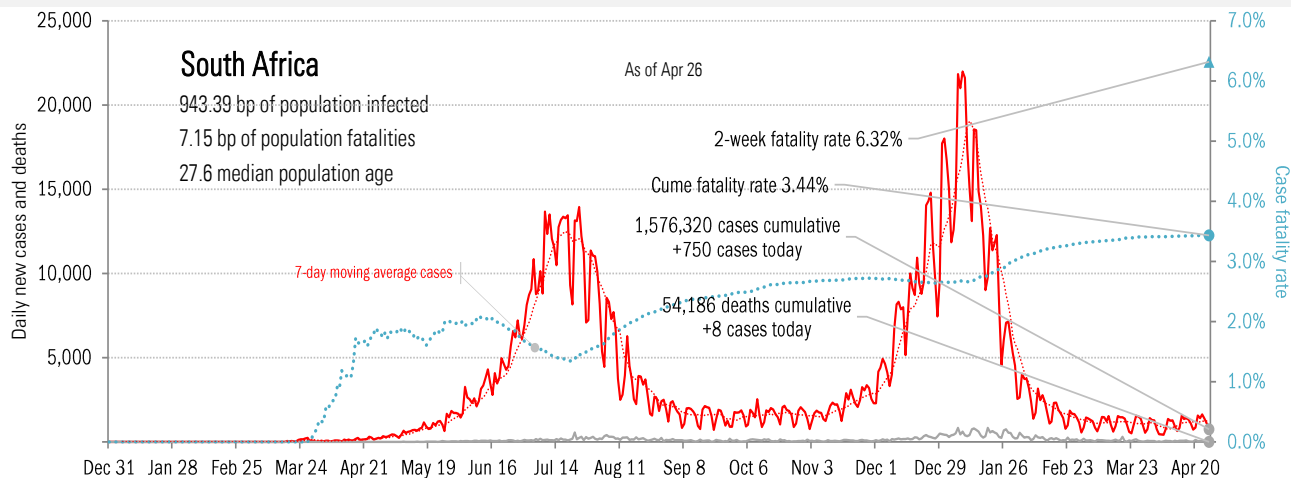
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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