

Data Insights: Covid-2019 Monitor

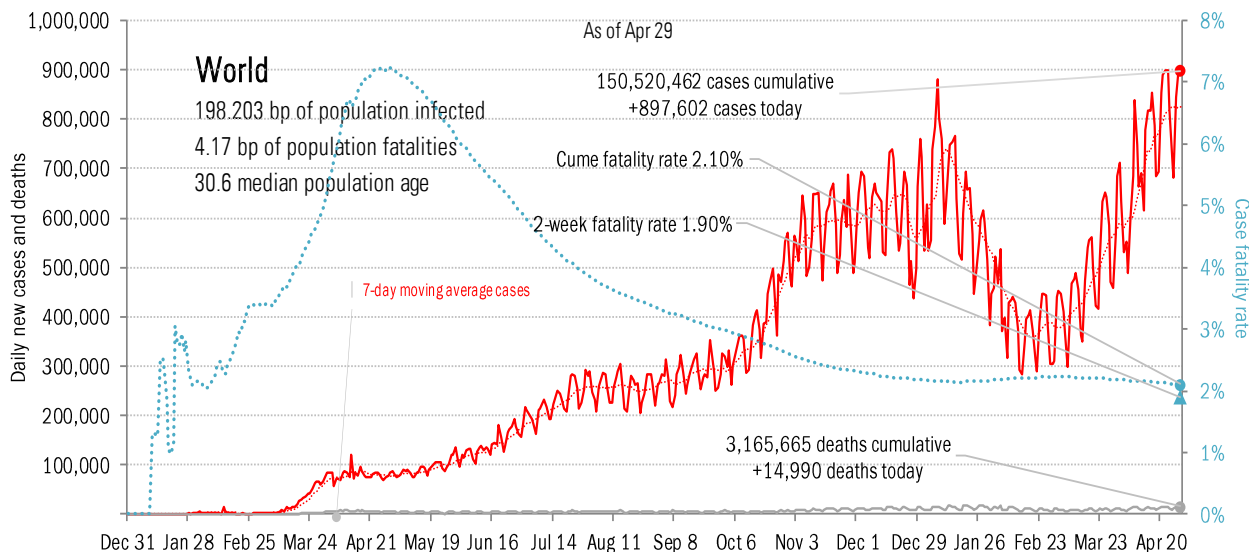
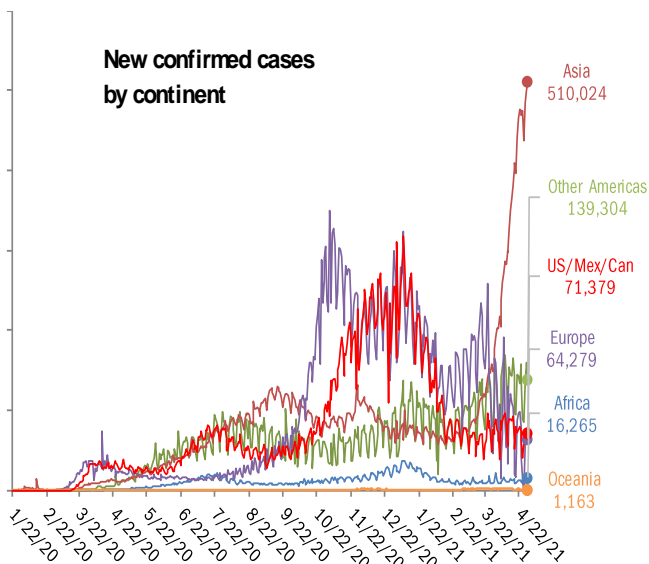
Friday, April 30, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+386,555	India	+3,498
Brazil	+69,389	Brazil	+3,001
United States	+58,199	United States	+854
Turkey	+37,674	Argentina	+561
France	+26,548	Poland	+540
Argentina	+26,053	Mexico	+529
Germany	+24,212	Colombia	+505
Iran	+19,899	Ukraine	+396
Colombia	+17,308	Iran	+385
Italy	+14,314	Russia	+355
+680,151		+10,624	
World	+897,602	World	+14,990
Top ten	76%	Top ten	71%

New confirmed cases by continent



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

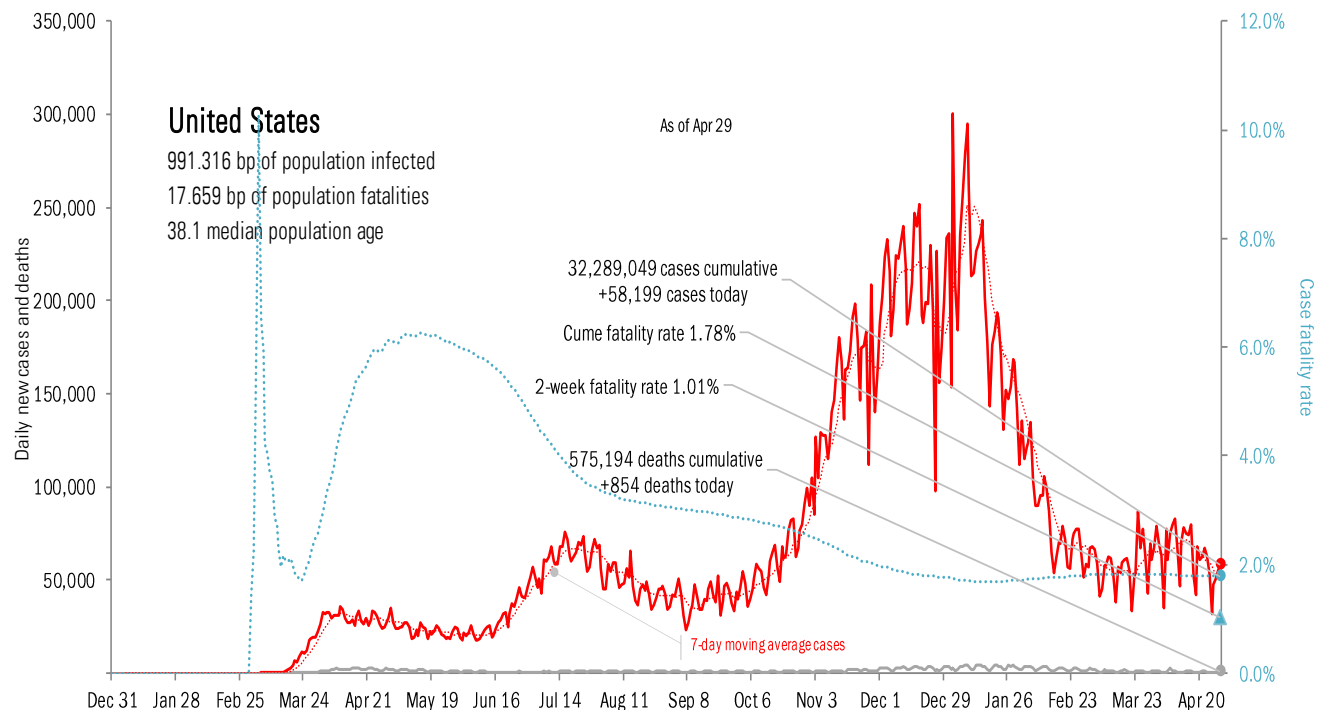
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	+5,666		MI	+116		AZ	+41		CA	3,740,038		CA	61,672		TX	235,417		RI	93%	MI	34%
MI	+4,197		CA	+85		CO	+29		TX	2,890,257		NY	52,209		CA	228,879		MA	84%	MD	24%
NY	+3,897		NY	+69		GA	+29		FL	2,228,212		TX	50,164		FL	164,290		CT	84%	MN	24%
TX	+3,619		TX	+66		PR	+19		NY	2,044,345		FL	35,084		NY	126,406		MD	83%	RI	19%
IL	+3,398		GA	+60		WA	+15		IL	1,331,747		PA	26,160		GA	99,474		PA	82%	PA	18%
PA	+3,344		FL	+54		AL	+11		PA	1,148,121		NJ	25,529		PA	82,330		MI	82%	ME	18%
CO	+2,789		PA	+48		CA	+11		GA	1,098,723		IL	24,252		CH	80,384		MO	80%	DE	18%
NJ	+2,242		IL	+41		ME	+11		CH	1,070,771		GA	20,158		IL	74,355		GA	80%	CO	17%
NC	+1,985		MN	+30		DE	+8		NJ	995,365		CH	19,188		KY	71,177		FL	79%	NY	16%
MN	+1,913		AZ	+23		ID	+8		NC	967,521		MI	18,716		MI	62,840		DC	79%	WV	14%
+33,050			+592			+182			17,515,100			333,132			1,225,552						
All states	+58,199		+854			-594		All states	32,289,049		575,194			2,185,562		All states	70%	67%			
Top ten	57%		69%			-31%		Top ten	54%		58%			56%		Median	72%	11%			

Some states not reporting

Five most improved US states

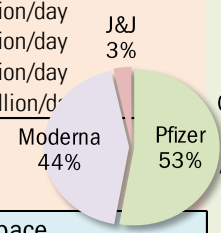
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-746	OK	-72	MI	-175	NY	+74 bp
KS	-637	WI	-32	NY	-140	CT	+66 bp
TX	-596	NJ	-29	PA	-132	IA	+66 bp
MA	-218	NC	-24	TX	-110	SD	+65 bp
PA	-193	FL	-18	IL	-97	MA	+63 bp



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

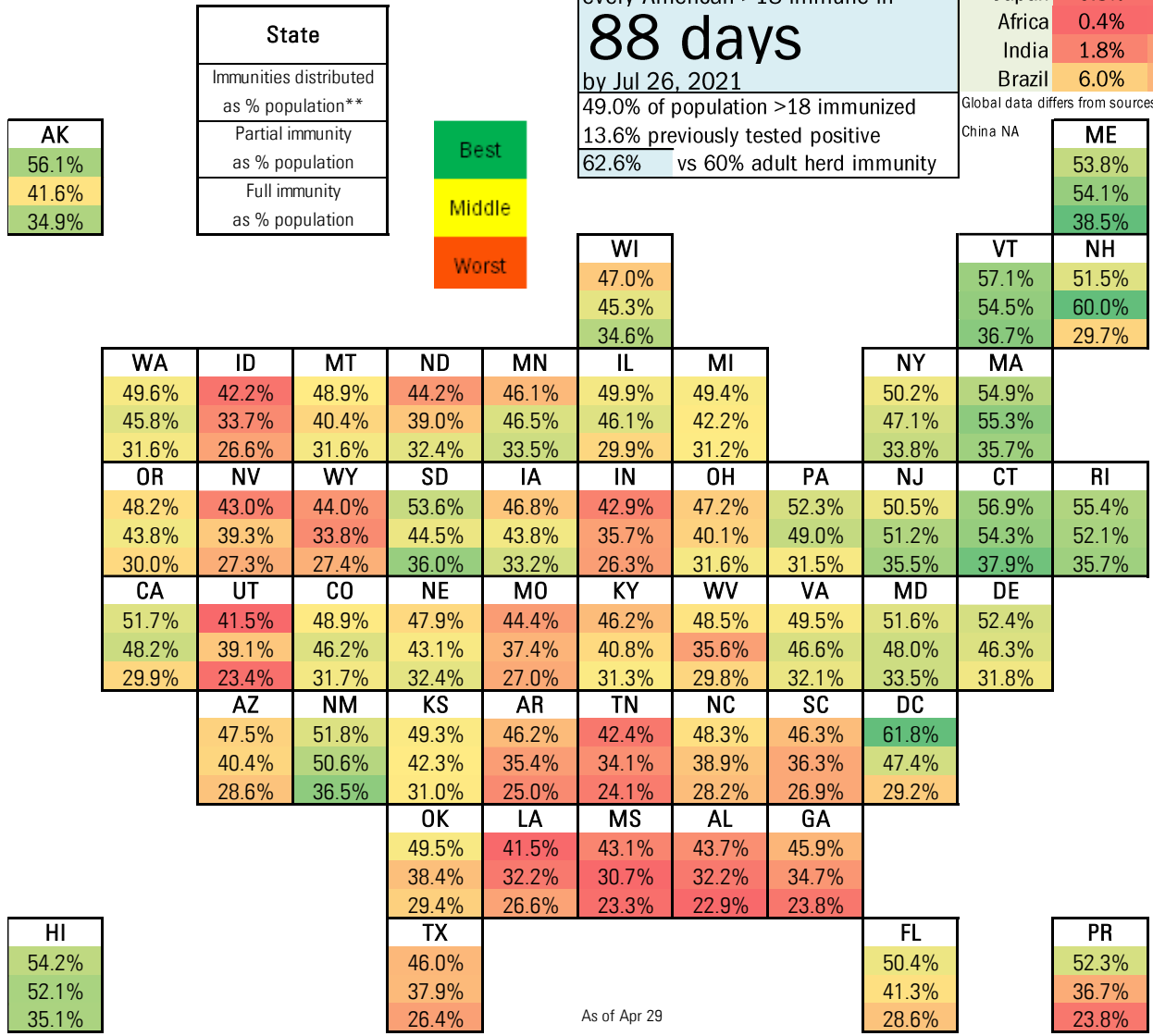
Rolling out the vaccines in the US and the world

US overall	Over last day	Immunity	Full	Partial
317.27 million doses distributed	+3.65 million/day	US	29.3%	42.7%
245.52 million doses administered	+2.78 million/day	UK	20.7%	50.2%
147.96 million persons partially immunized	+1.12 million/day	France	8.7%	21.4%
103.04 million persons fully immunized	+1.66 million/day	Spain	8.9%	24.1%
7.80 million shots long-term care residents/staff	+0.002 million/day	Germany	7.5%	25.7%
77.4% of distributed doses administered		Italy	9.2%	22.1%
44.3% of US pop partial	30.8% full immunity	Australia	1.3%	0.6%
100% of LTC partial	64.1% full immunity	Israel	58.7%	62.4%
		Canada	2.8%	31.2%
		Japan	0.8%	1.8%
		Africa	0.4%	0.9%
		India	1.8%	8.9%
		Brazil	6.0%	13.3%



At today's dosing pace,
every American >18 immune in
88 days
by Jul 26, 2021
49.0% of population >18 immunized
13.6% previously tested positive
62.6% vs 60% adult herd immunity

Global data differs from sources, timing
China NA



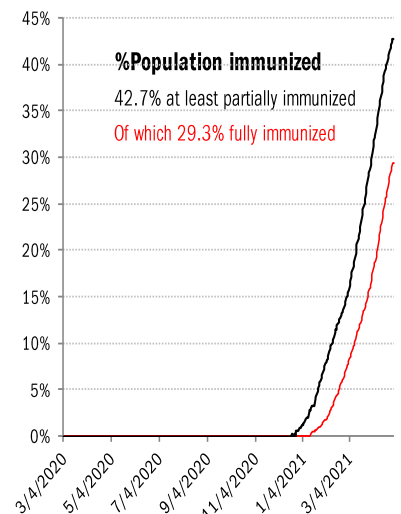
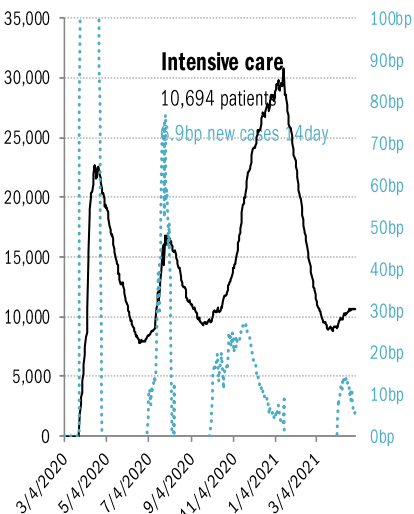
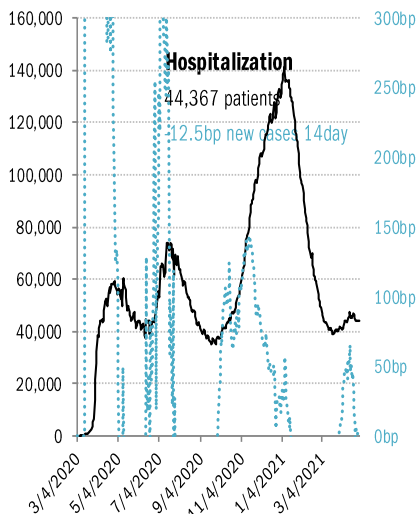
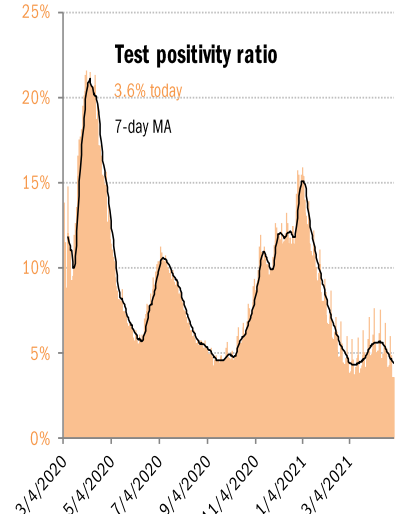
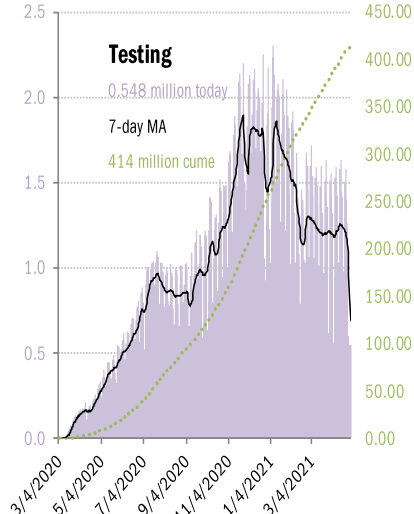
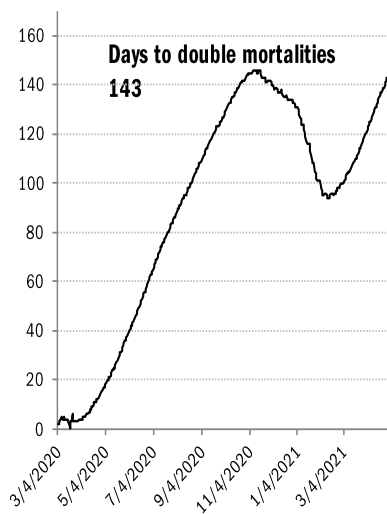
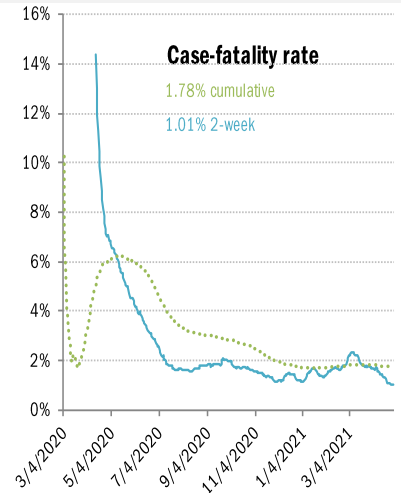
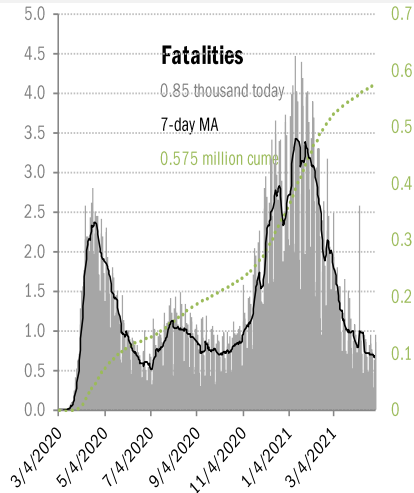
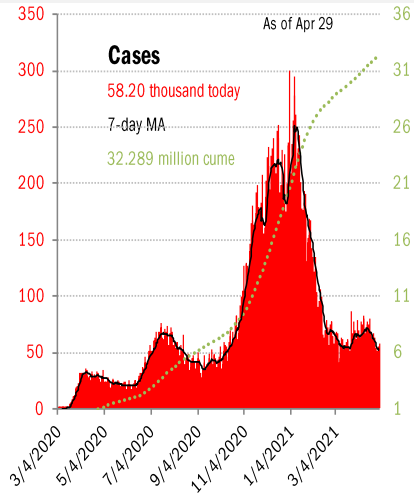
As of Apr 29

** 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

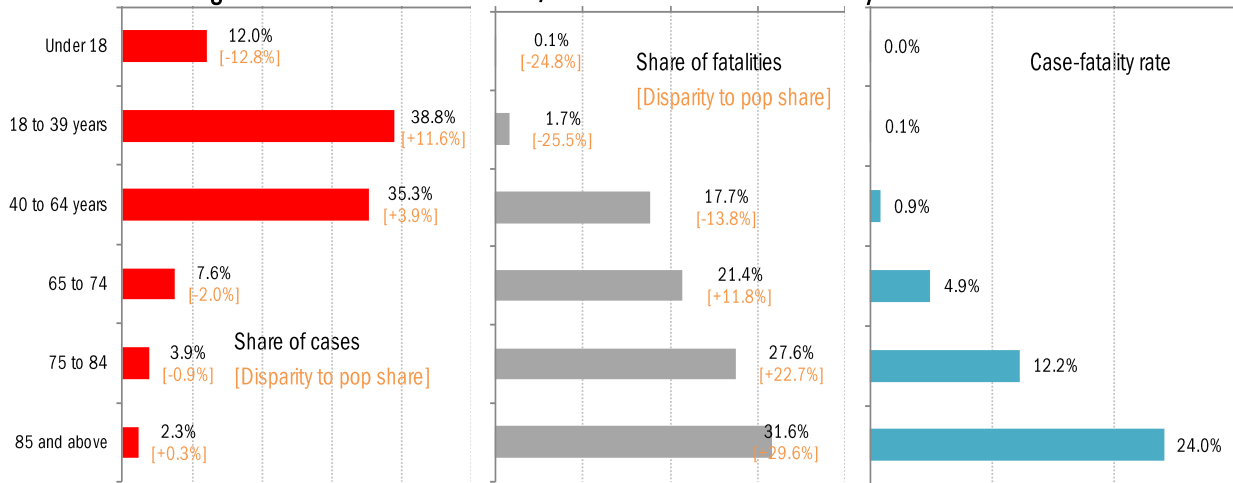
National and state-by-state data do not line up because of different sources



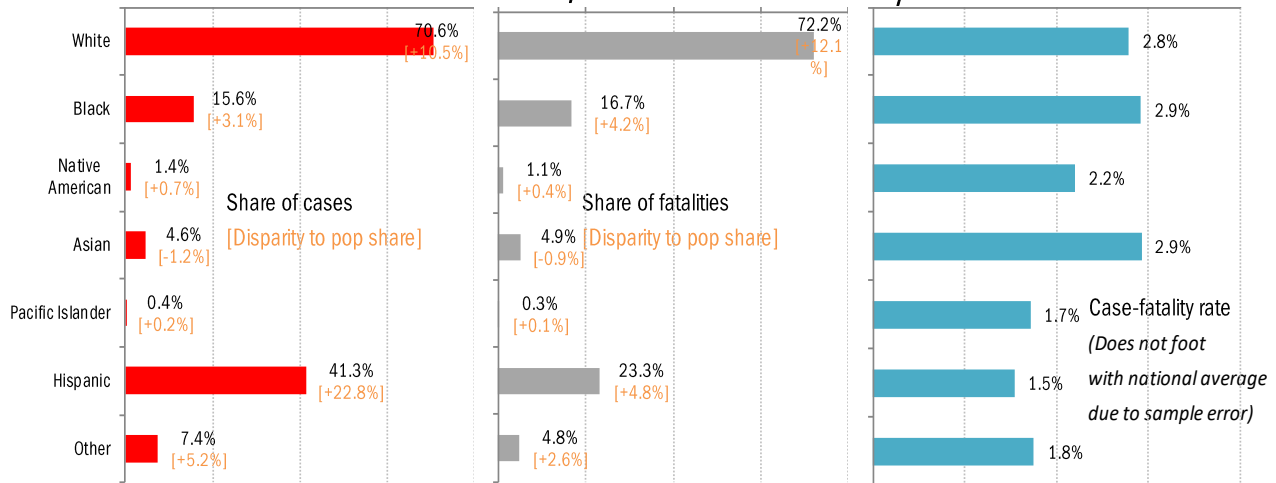
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

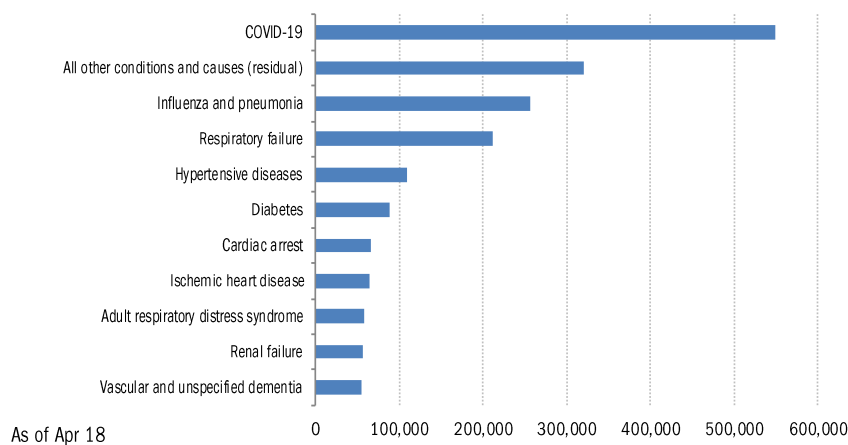


Racial distribution of US cases, fatalities and case-fatality rates



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

[The Mayor Promises a Summer to Remember in New York. Can He Deliver?](#)

Michael Gold and Julia Jacobs
New York Times
April 29, 2021

[Cuomo Aides Spent Months Hiding Nursing Home Death Toll](#)

J. David Goodman, Jesse McKinley and Danny Hakim
New York Times
April 28, 2021

[Covid on the Border: Migrants Aren't Tested on Arrival in U.S.](#)

Frances Robles and Miriam Jordan
New York Times
April 28, 2021

[Donations from teachers unions spiked as Congress debated school reopening, virus relief](#)

Kate Ackley
Roll Call
April 28, 2021

Meme of the day

Health

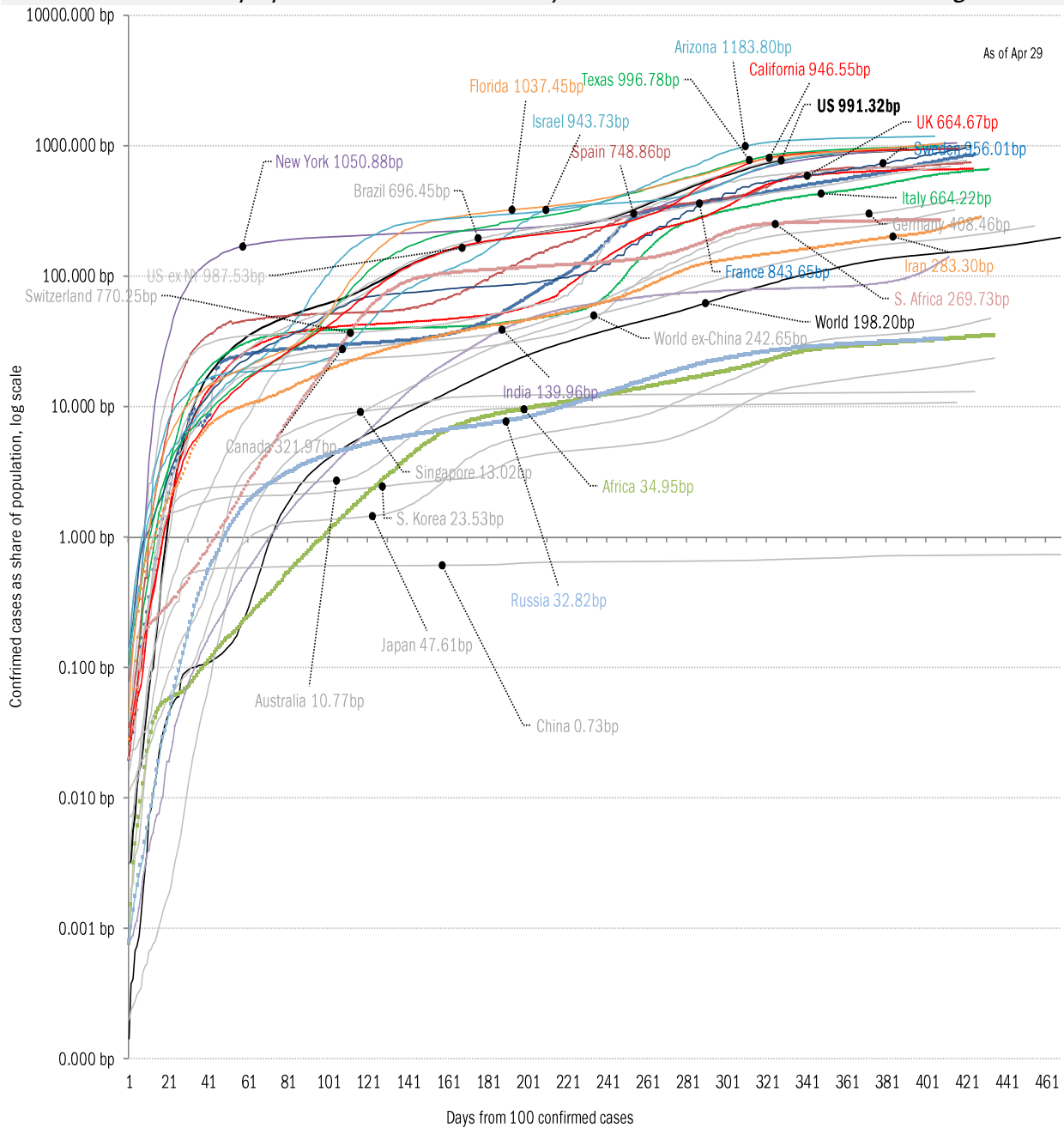
CDC Now Recommends Wearing A Seat Belt Even When You're Outside The Car

April 28th, 2021 - BabylonBee.com



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

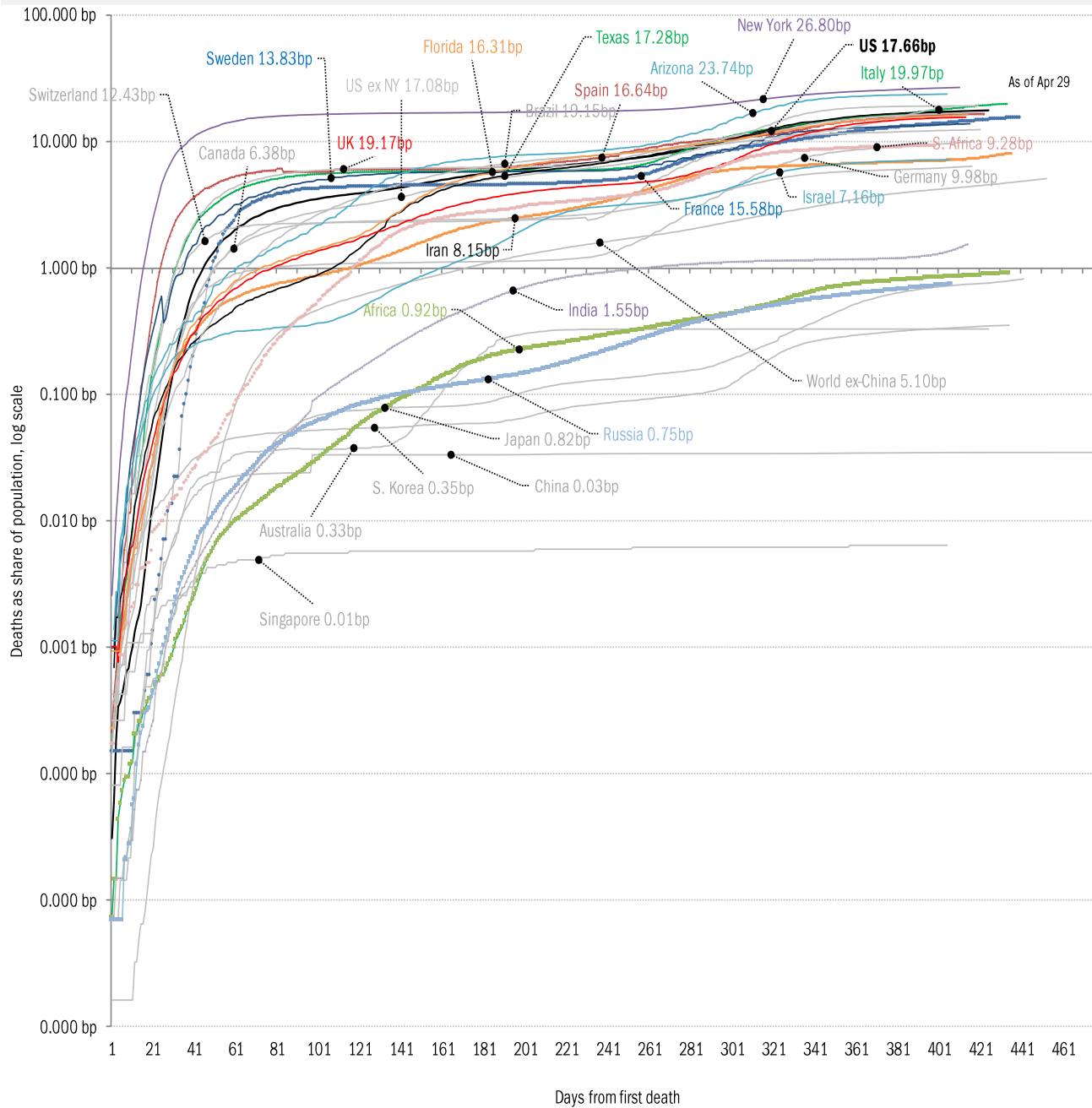
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

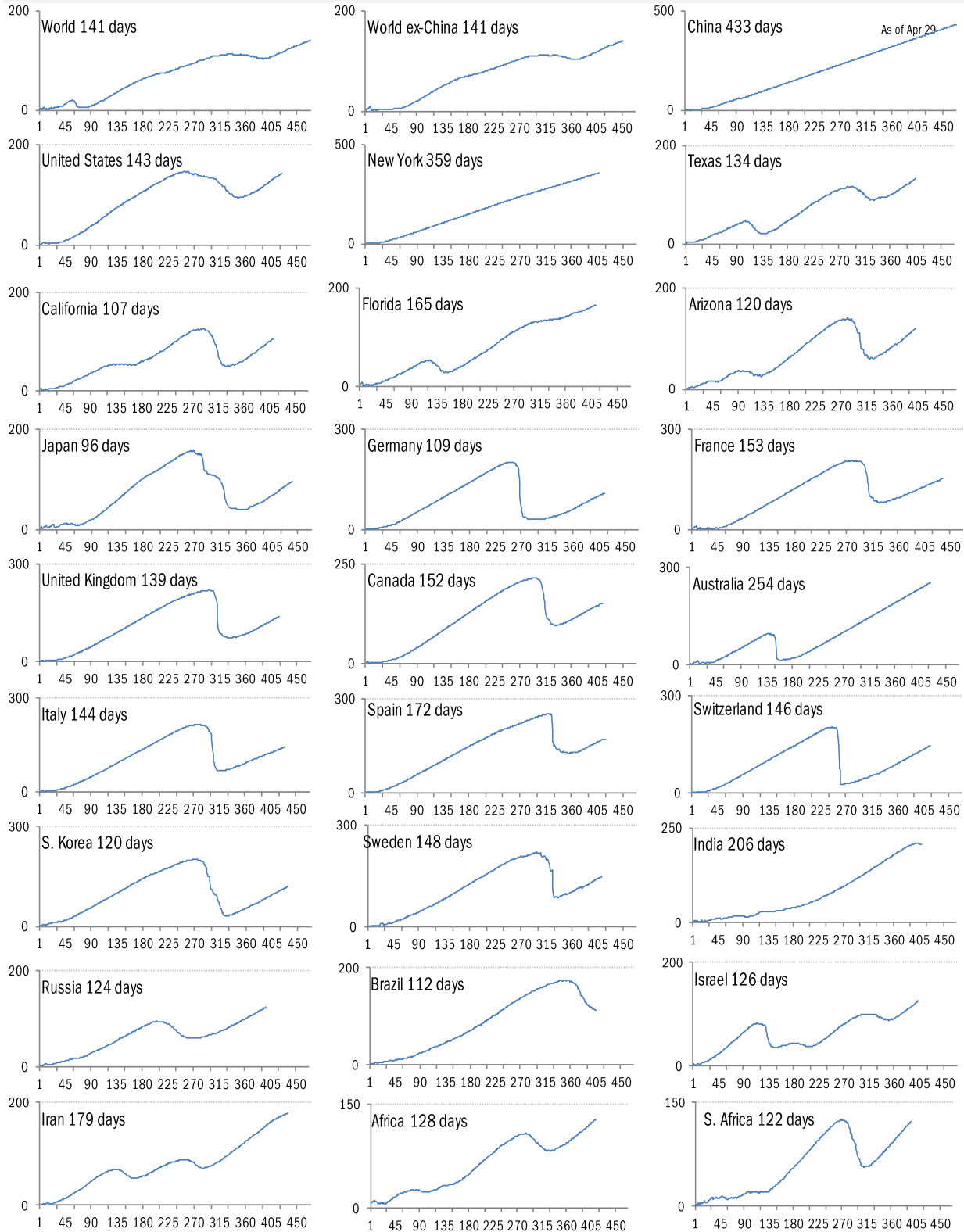


Source: [Johns Hopkins](#), TrendMacro calculations

"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

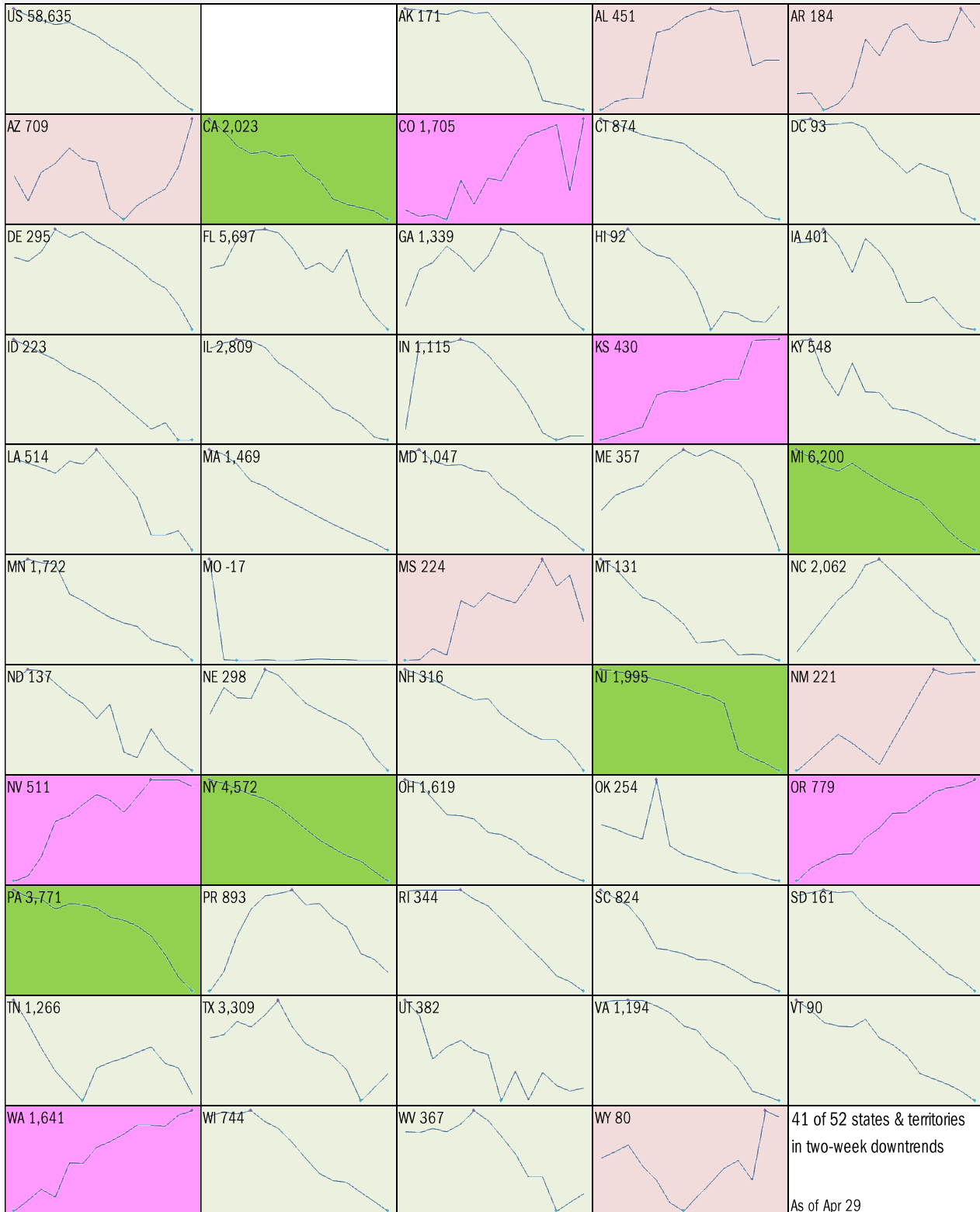


Source: [Johns Hopkins](#), TrendMacro calculations

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

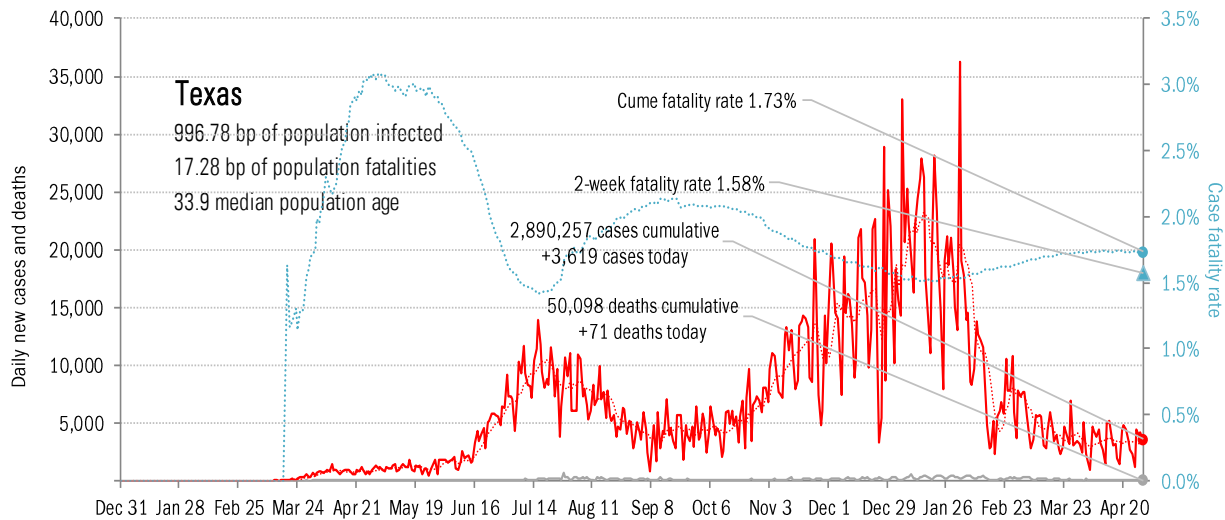
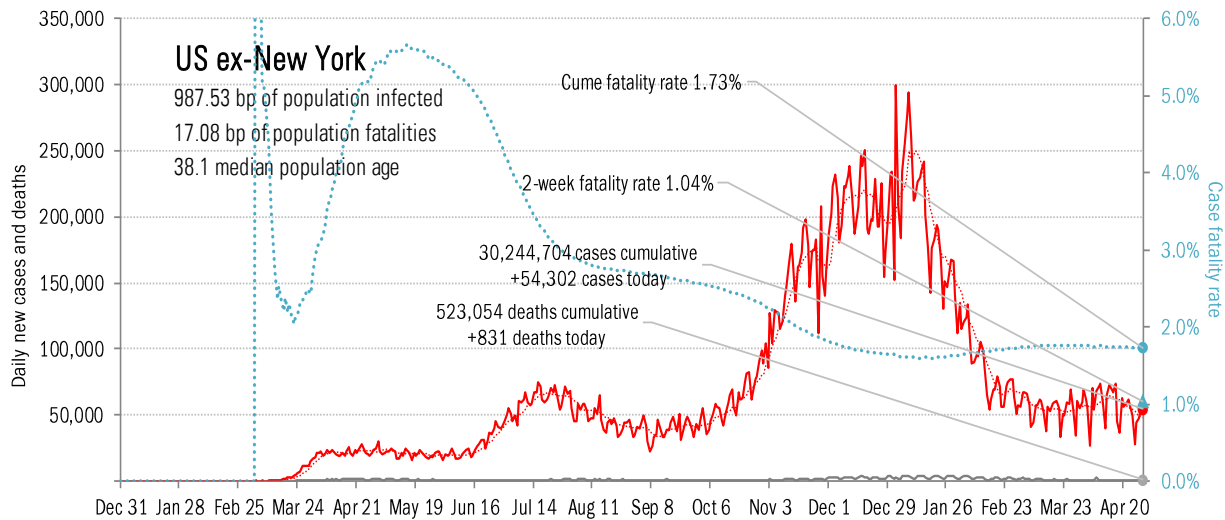
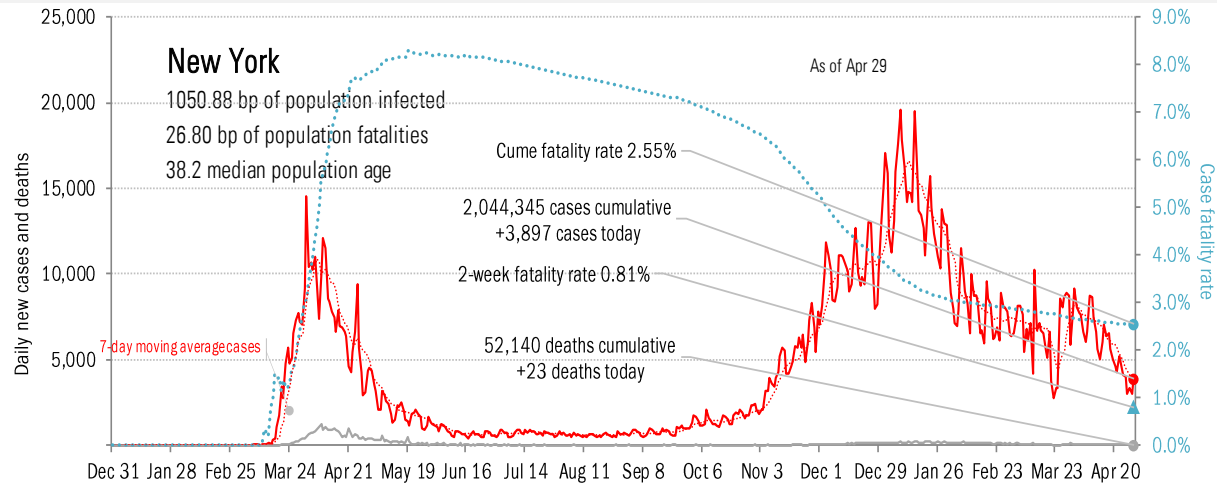
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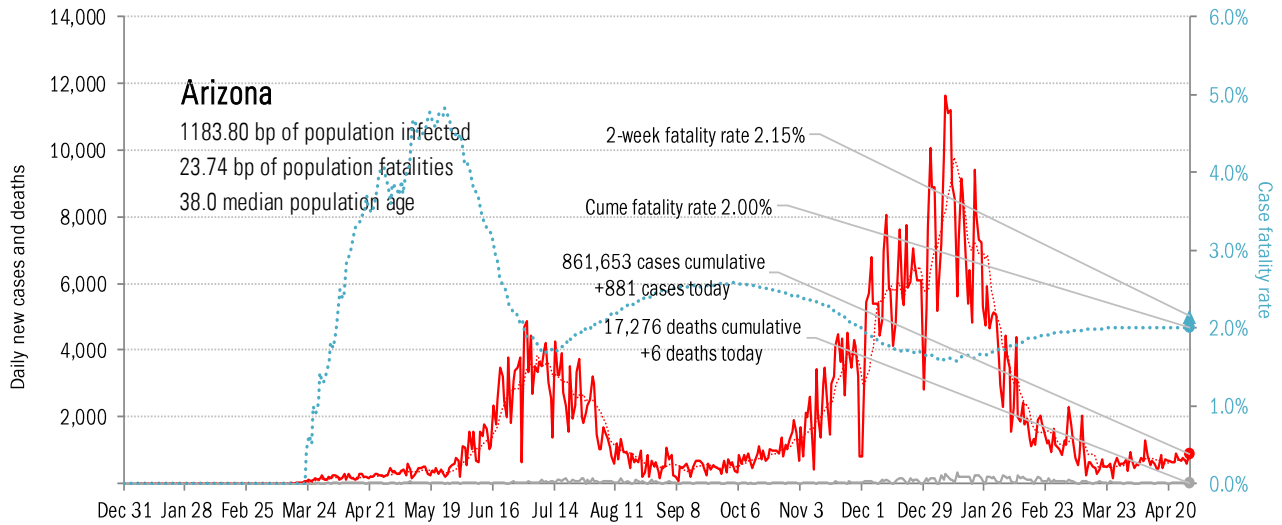
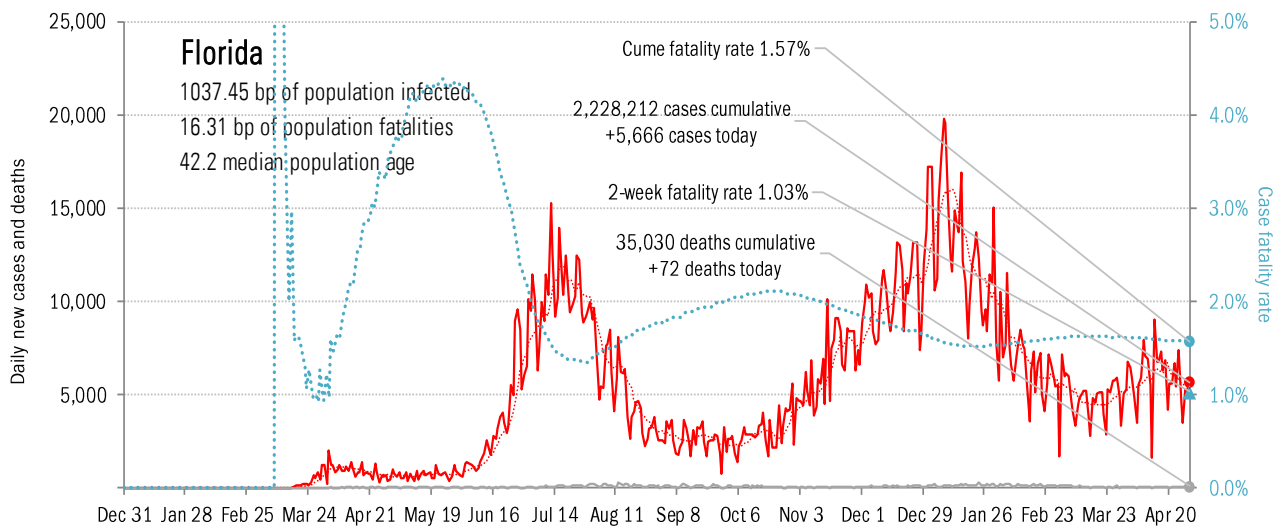
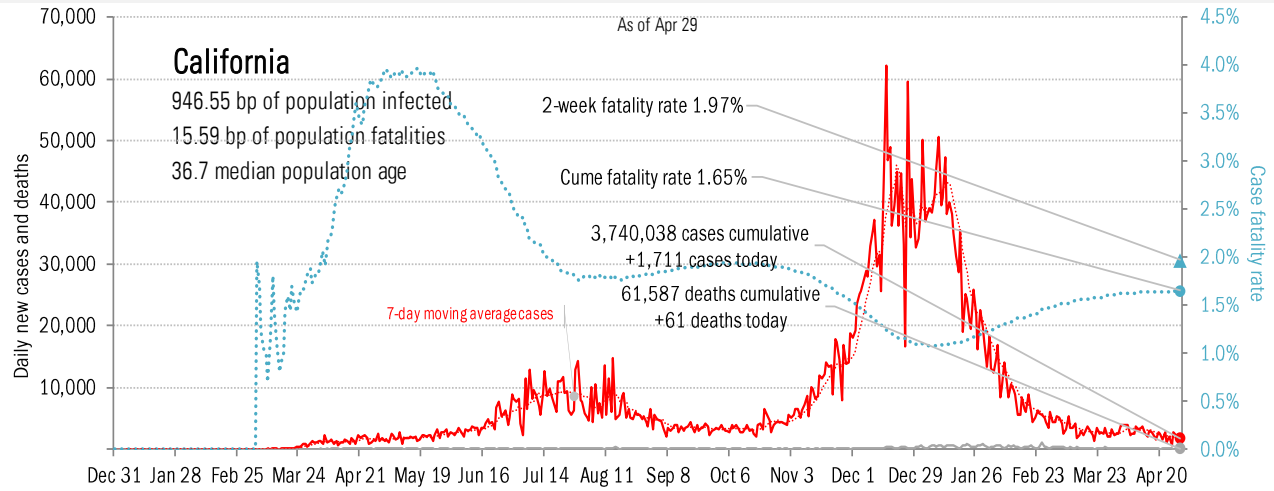
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



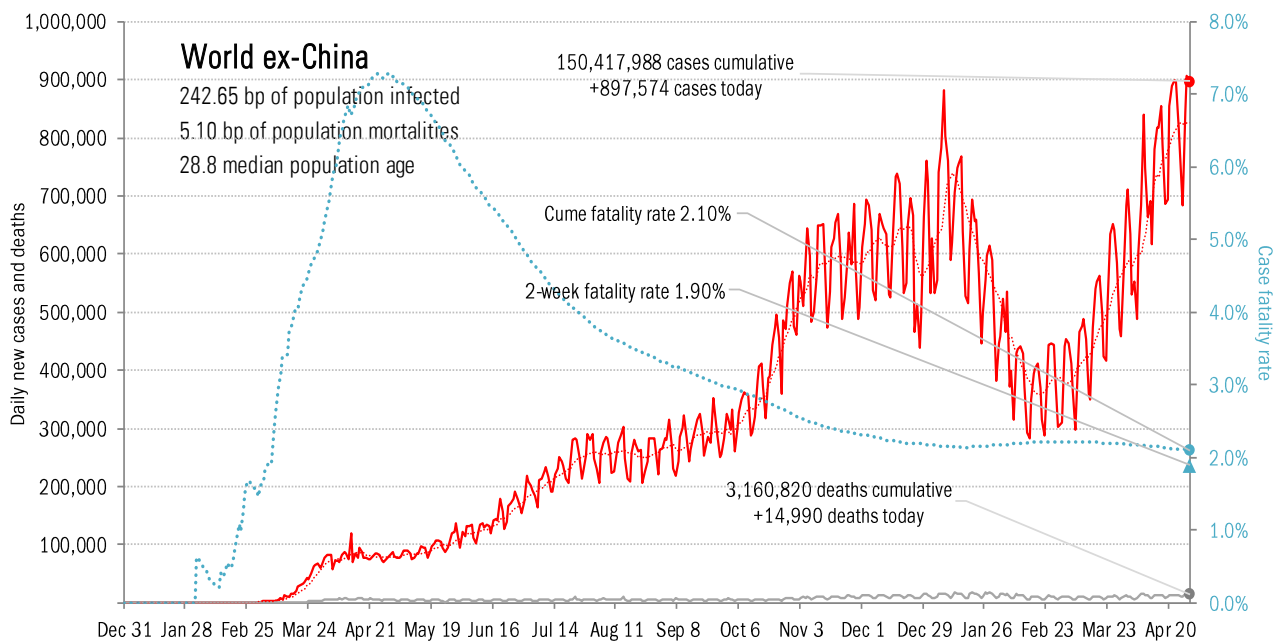
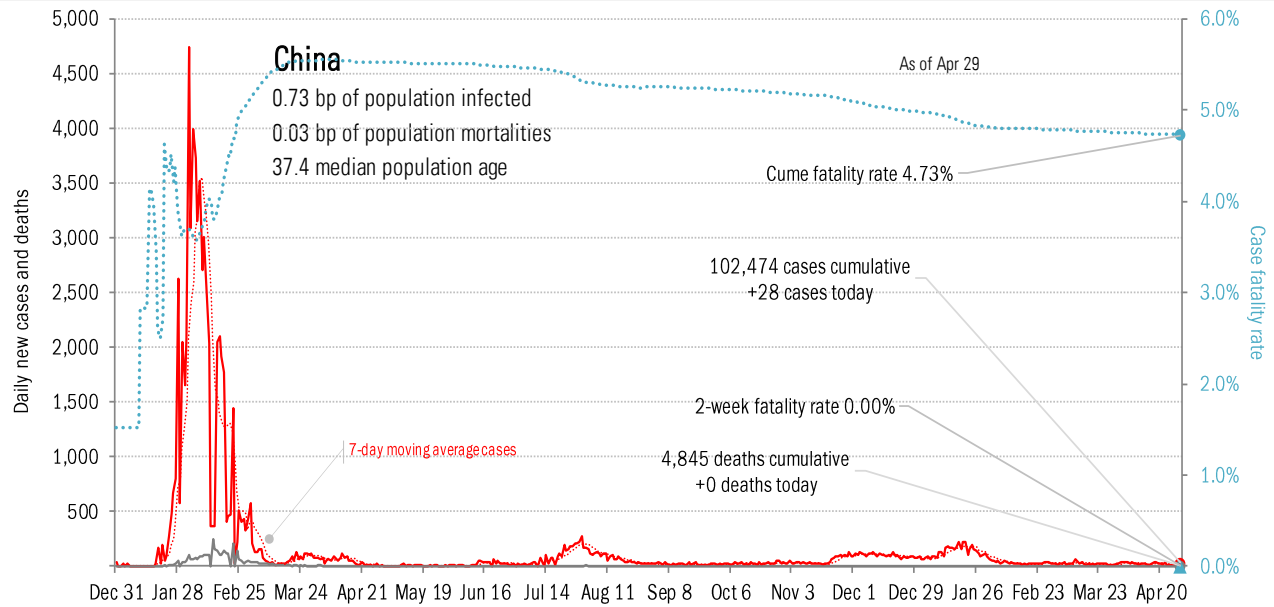
Source: [Johns Hopkins](#), TrendMacro calculations

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



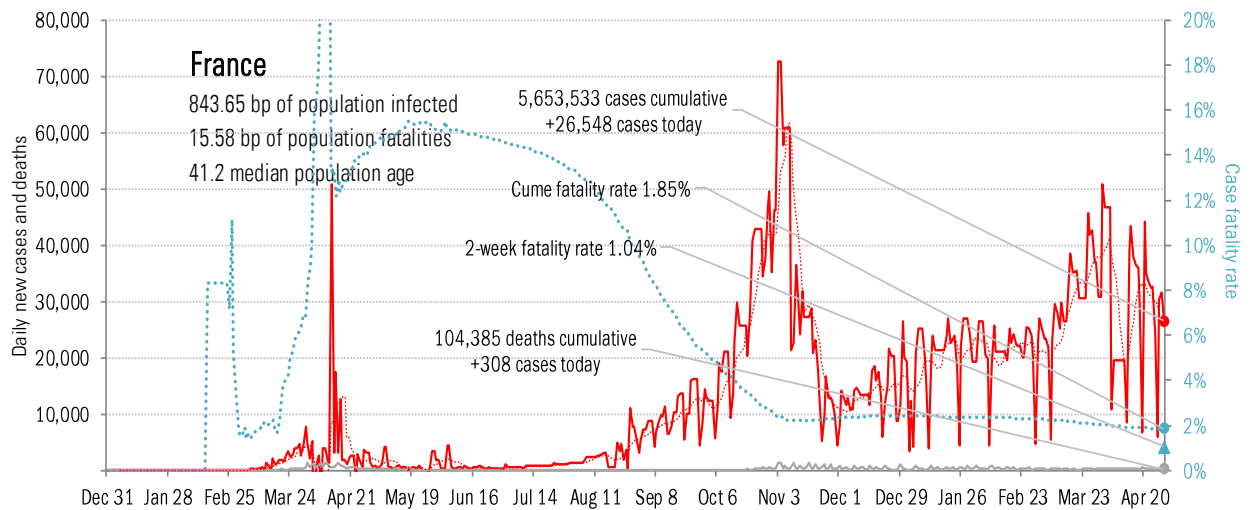
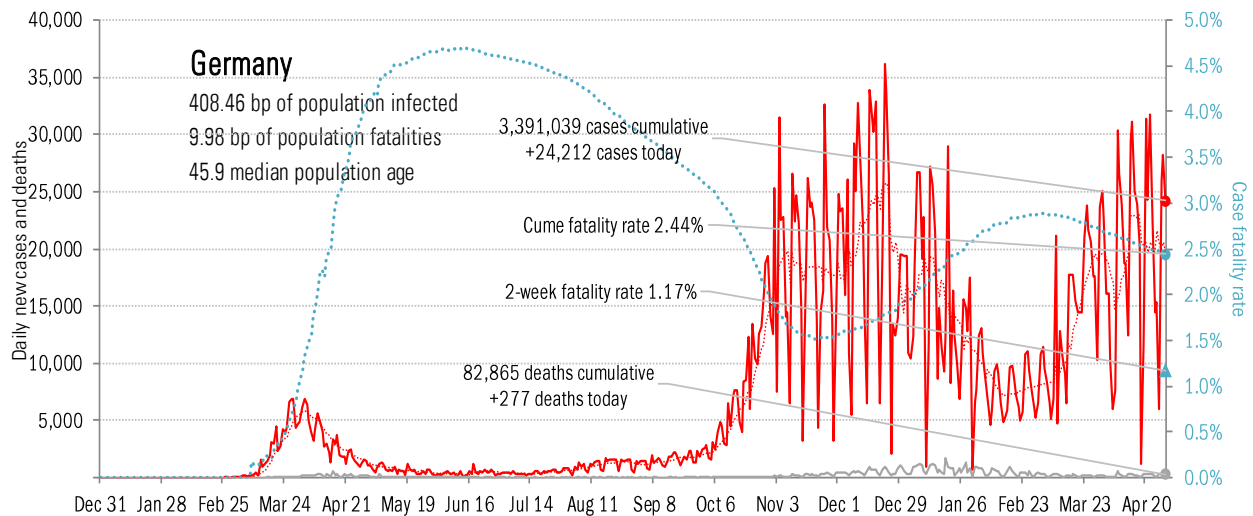
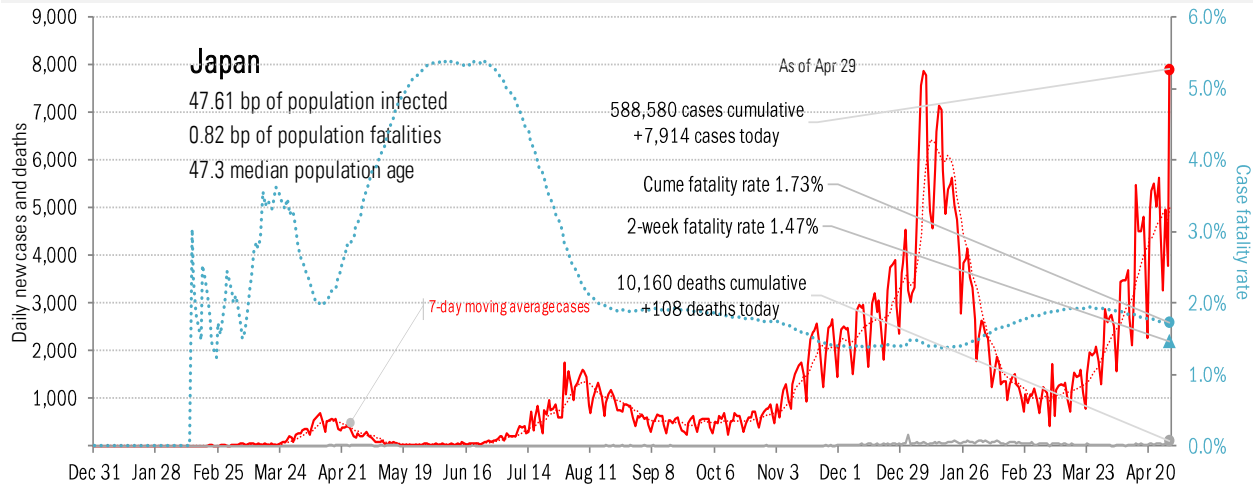
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Patient zero... and then everyone else



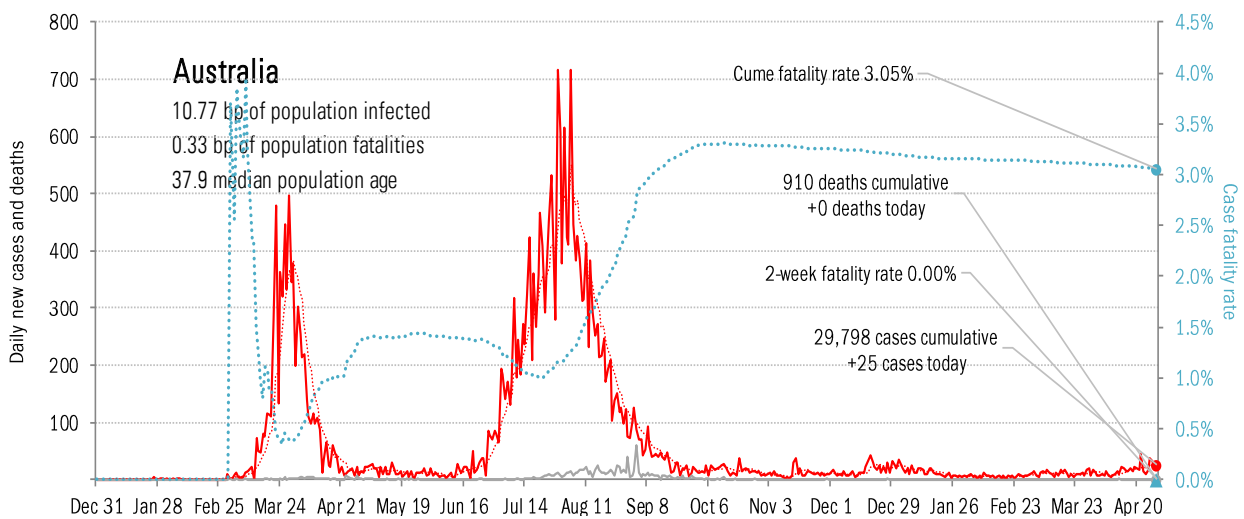
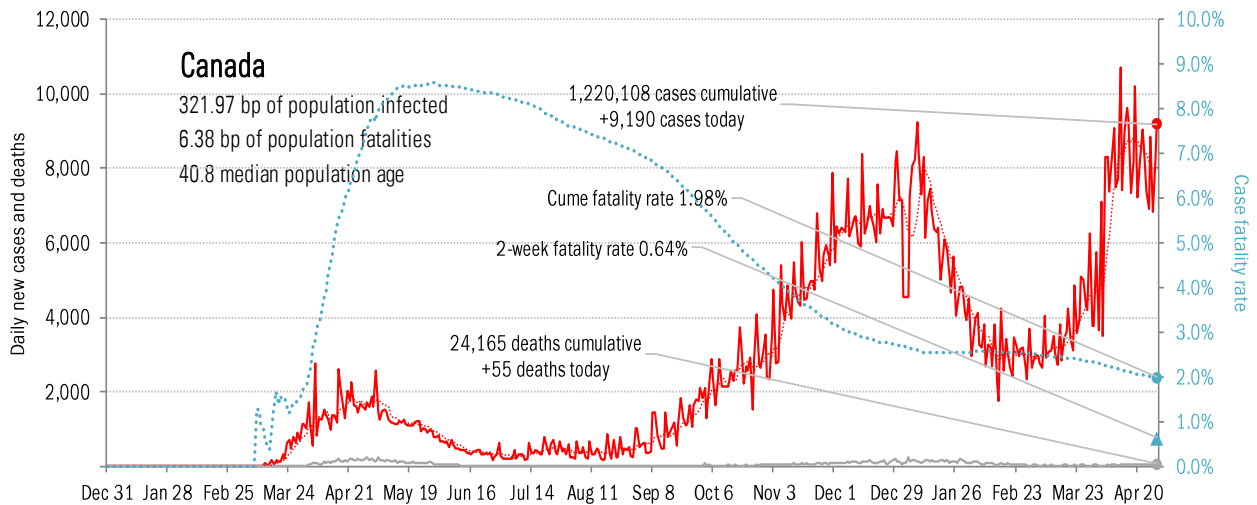
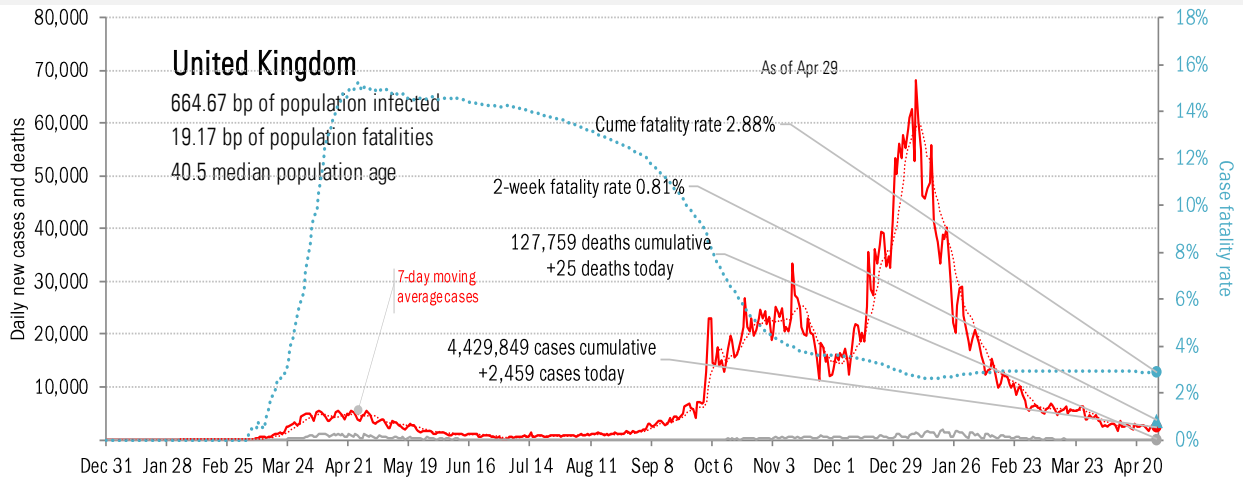
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



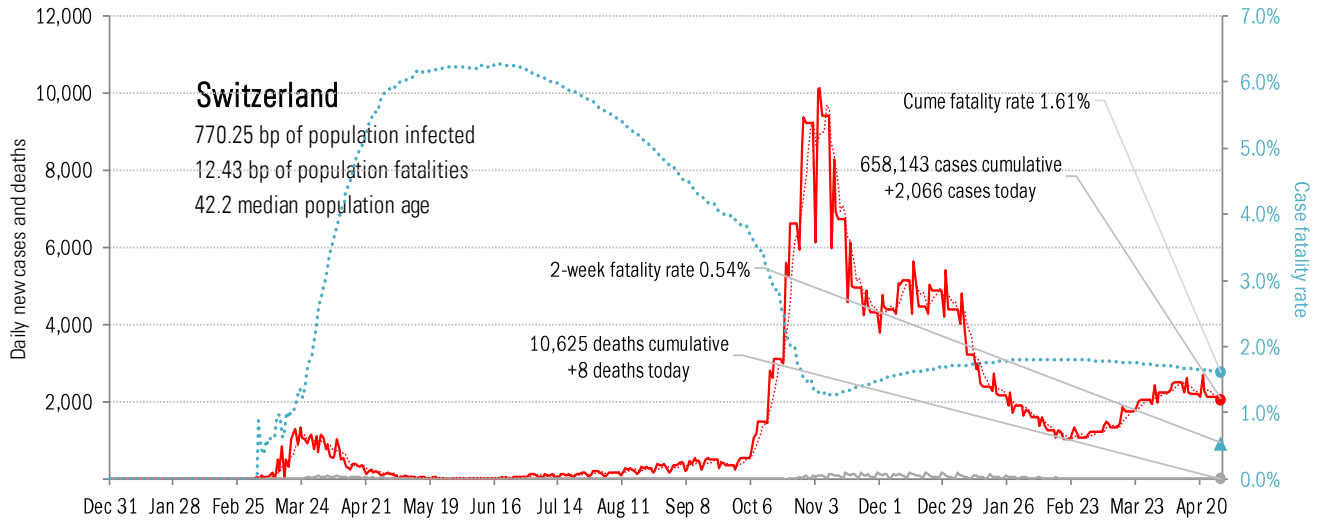
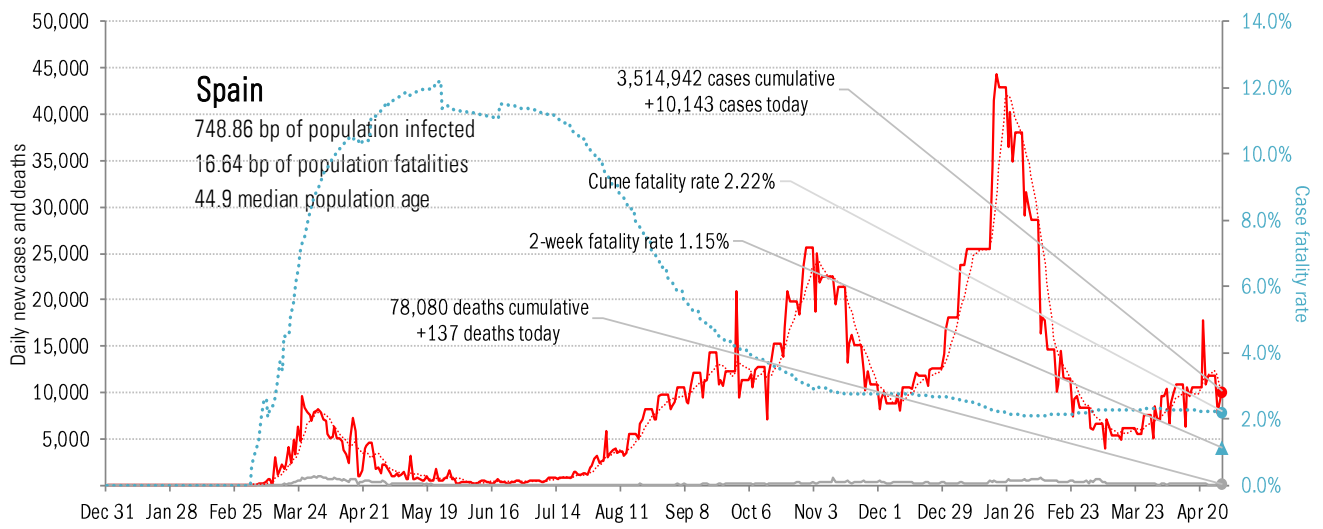
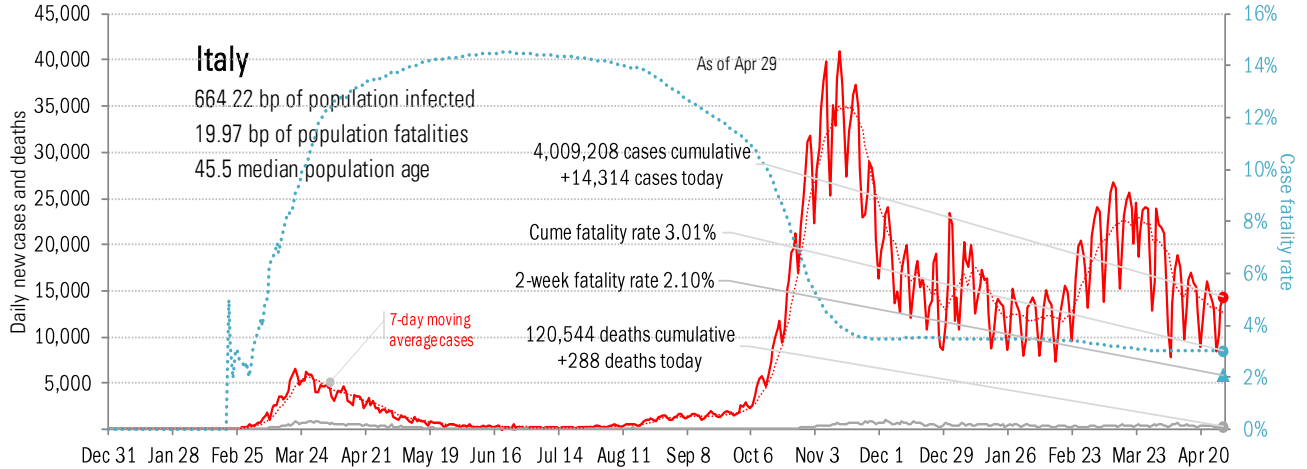
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



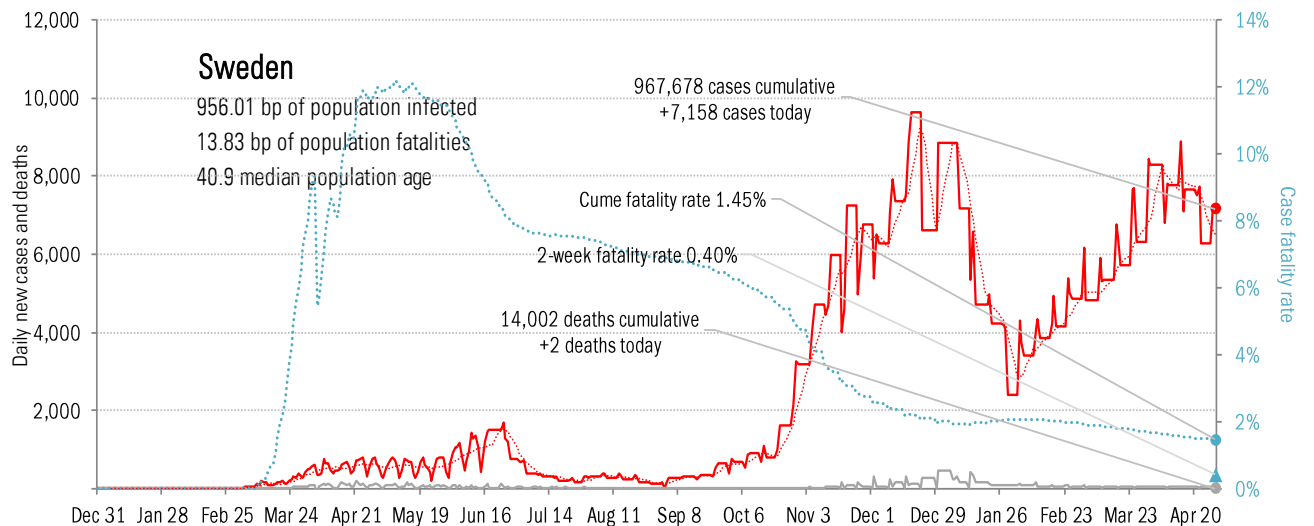
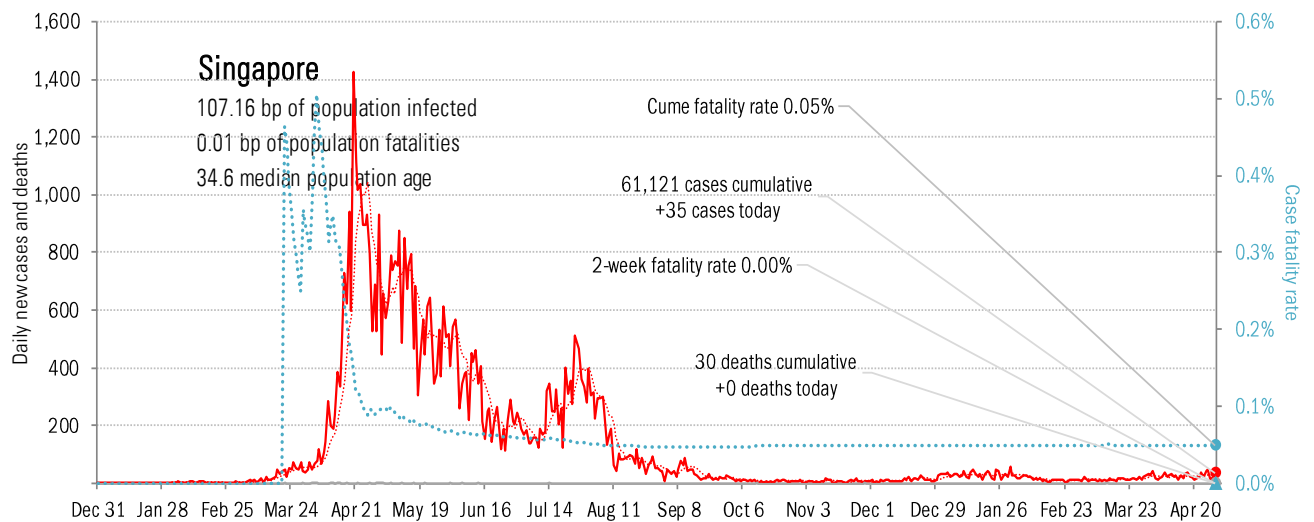
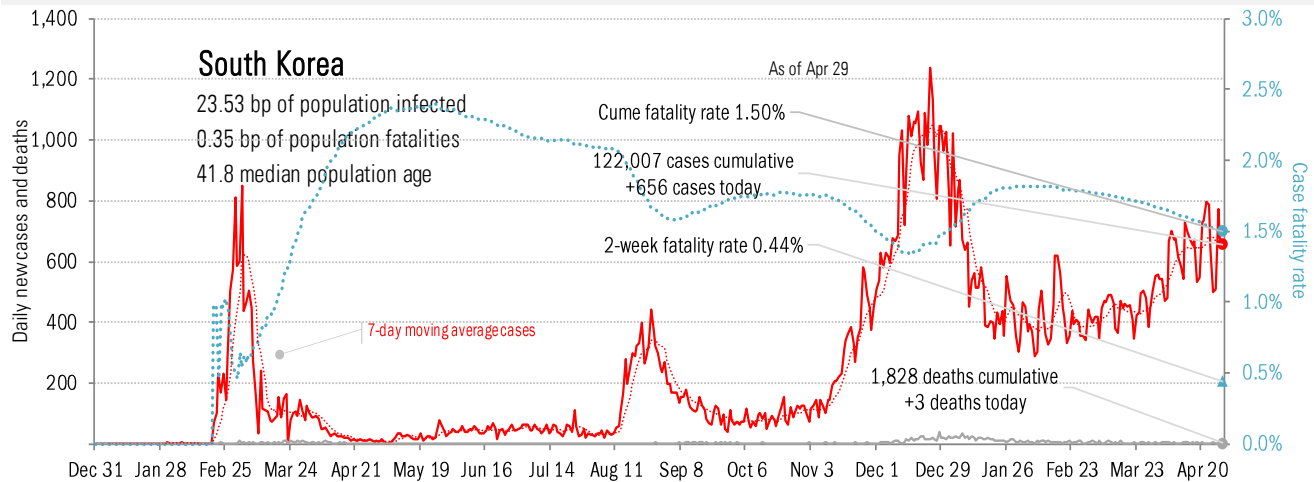
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



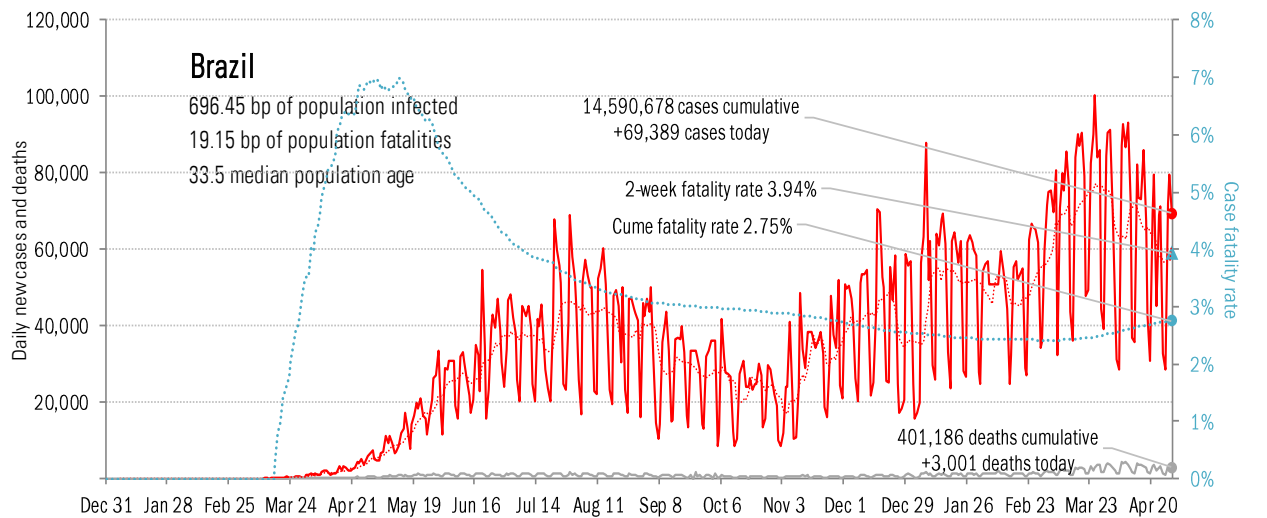
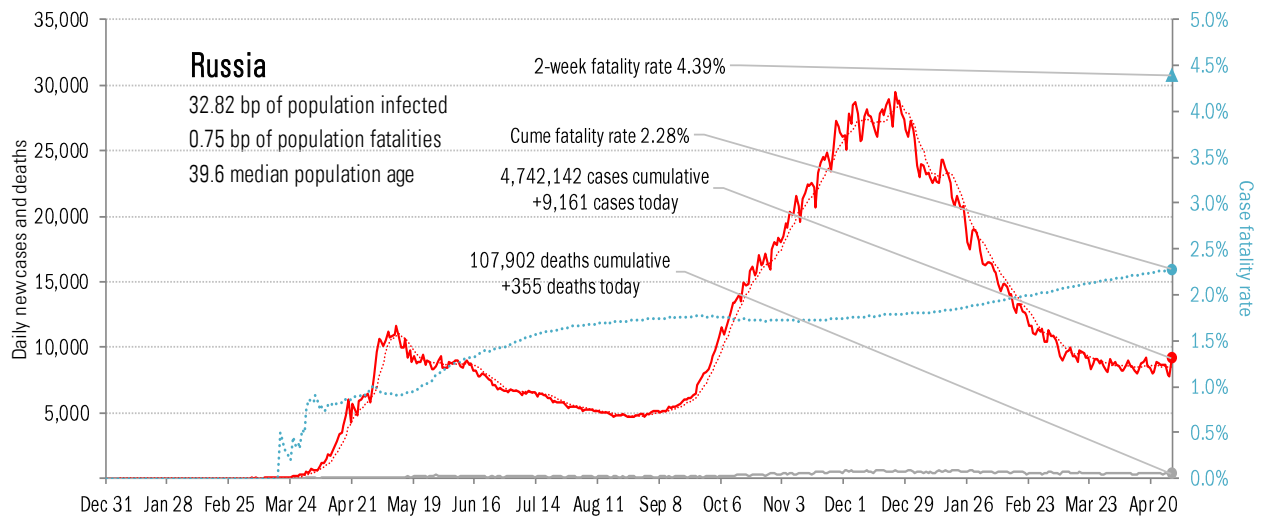
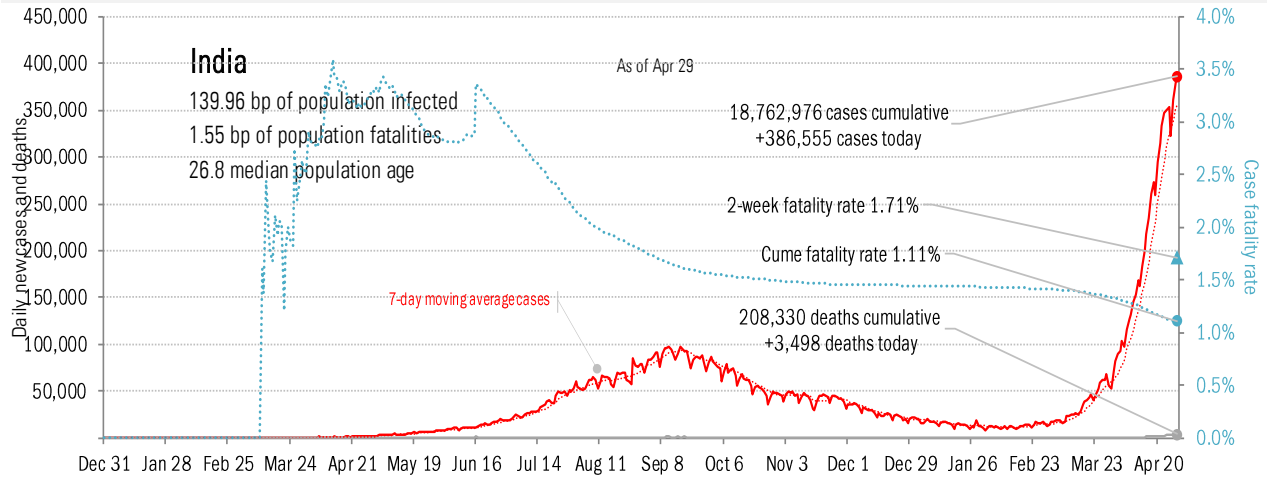
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



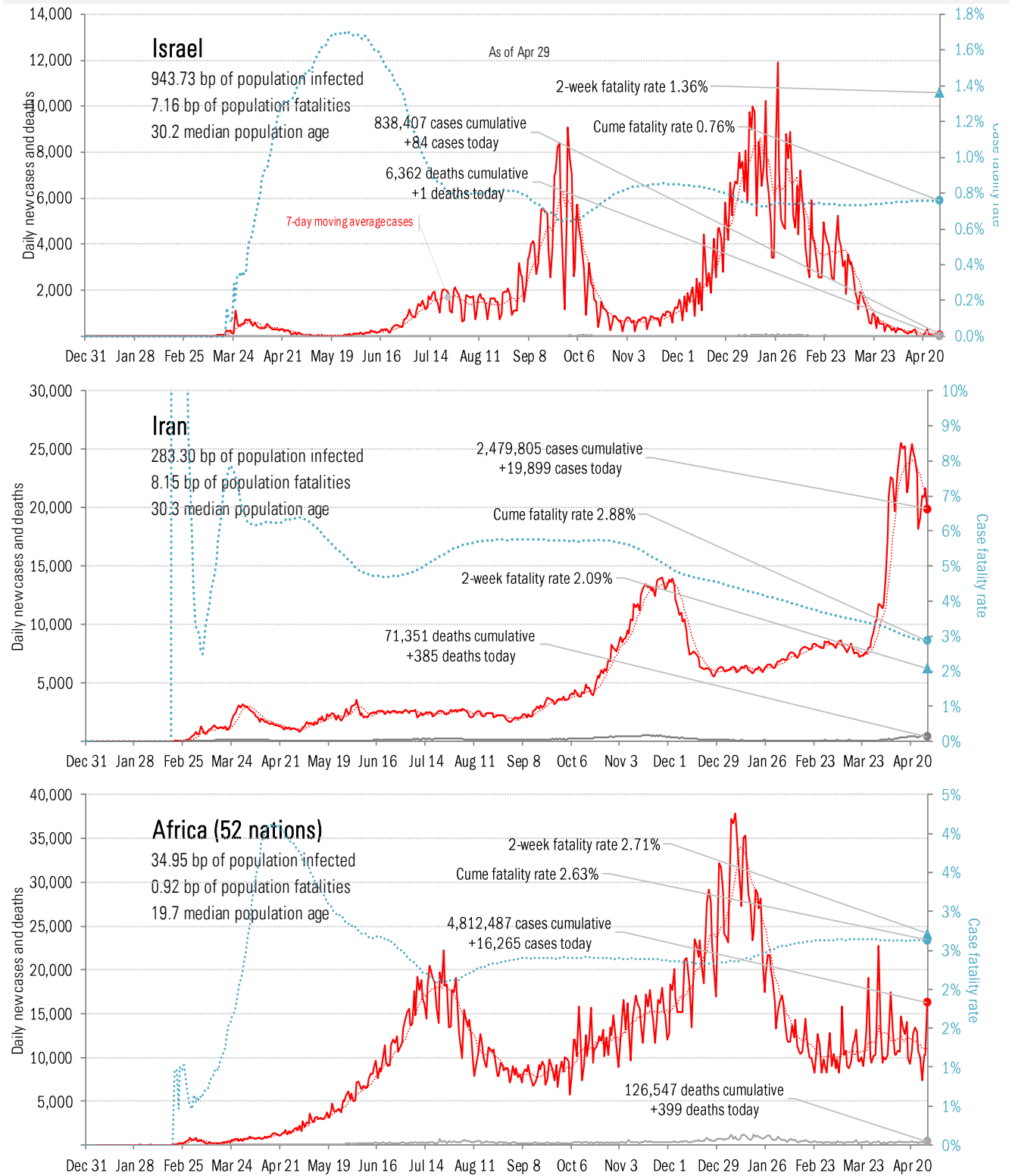
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



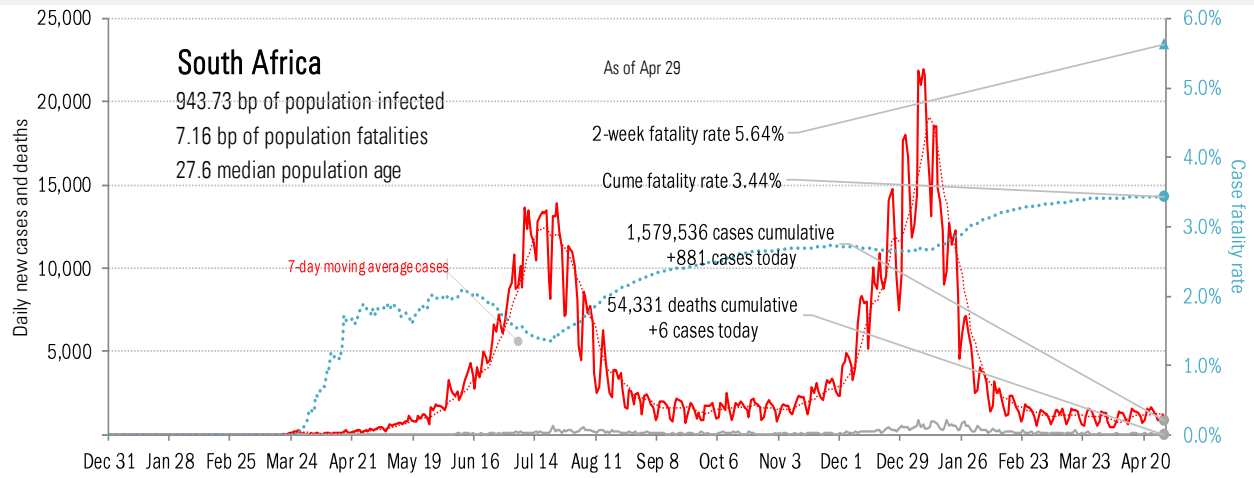
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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