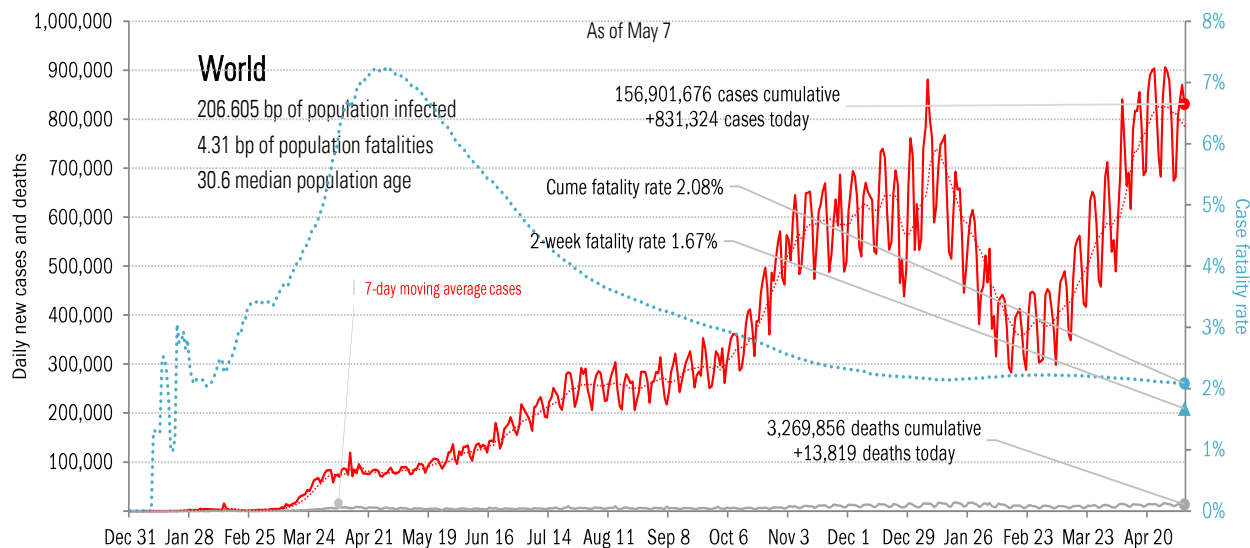
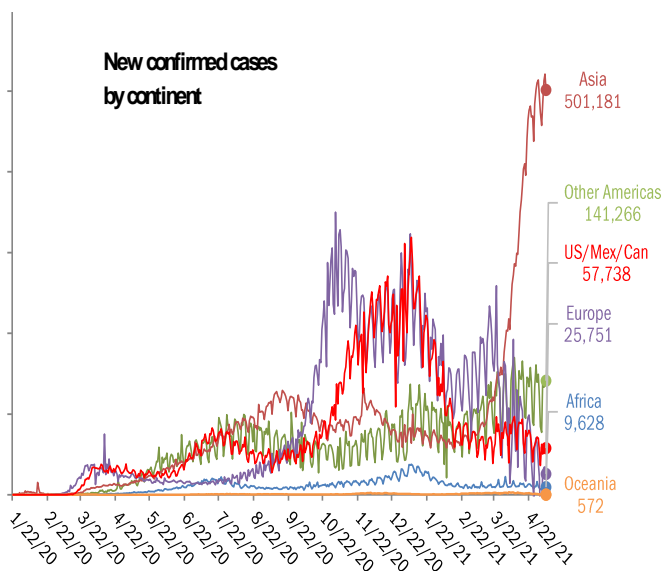


## Data Insights: Covid-2019 Monitor

Saturday, May 8, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+401,078	India	+4,187
Brazil	+78,886	Brazil	+2,165
United States	+47,055	United States	+837
Argentina	+22,552	Argentina	+609
Turkey	+20,107	Mexico	+484
France	+19,138	Colombia	+453
Colombia	+17,525	Poland	+452
Iran	+17,076	Ukraine	+386
Germany	+15,090	Russia	+369
Italy	+10,549	Iran	+335
<b>+649,056</b>		<b>+10,277</b>	
World	+831,324	World	+13,819
Top ten	78%	Top ten	74%



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

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

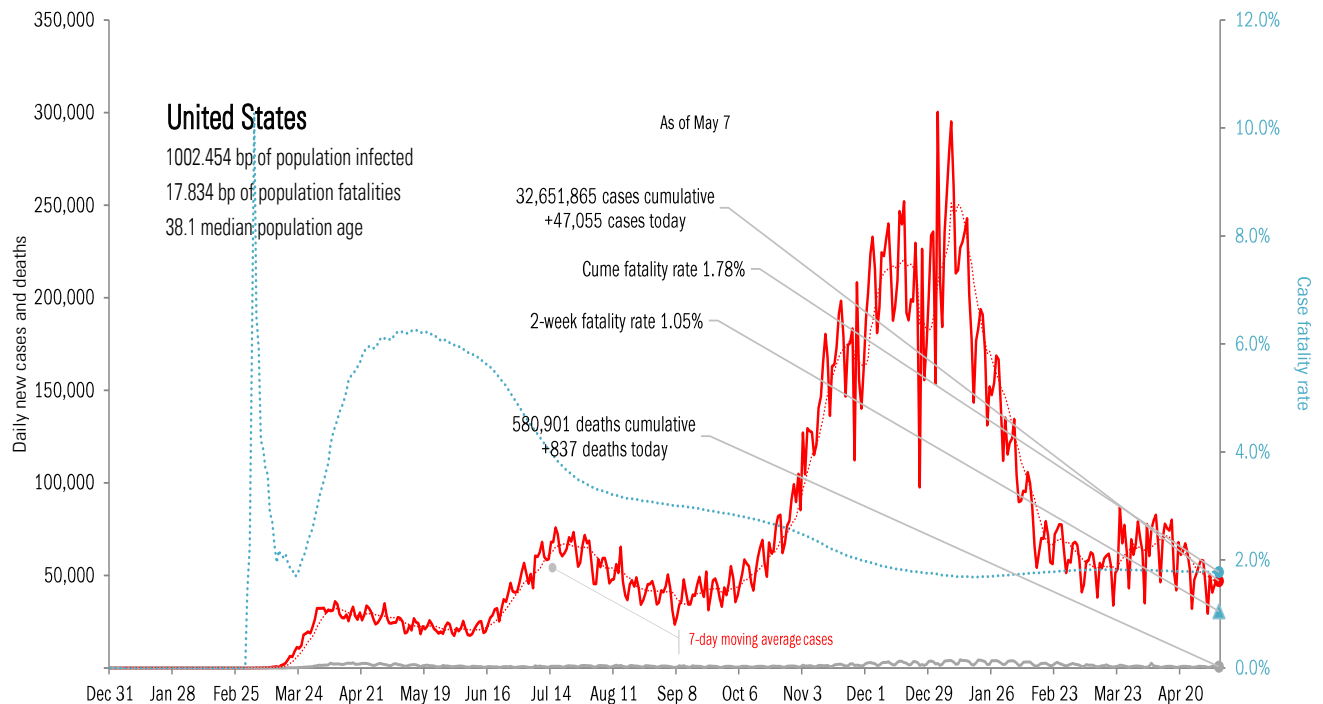
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+4,165		FL	+86		GA	+92		CA	3,755,869		CA	62,220		TX	238,313		R	91%	MI	32%
MI	+3,367		CH	+84		LA	+58		TX	2,911,927		NY	52,611		CA	230,813		MA	84%	MD	22%
IL	+3,328		CA	+66		NV	+33		FL	2,262,598		TX	50,583		FL	168,332		PA	82%	ME	19%
TX	+2,851		TX	+56		CA	+26		NY	2,066,989		FL	35,635		NY	128,946		CT	82%	RI	18%
CA	+2,696		GA	+43		IL	+25		IL	1,351,395		PA	26,453		GA	101,032		MO	82%	MN	18%
PA	+2,629		PA	+43		TN	+22		PA	1,170,729		NJ	25,769		PA	84,578		MD	82%	CO	17%
NY	+2,459		NC	+42		KY	+19		GA	1,108,317		IL	24,524		CH	81,827		MI	81%	PA	16%
NC	+1,932		IL	+41		WV	+18		CH	1,081,518		GA	20,337		IL	76,129		GA	80%	ID	15%
MIN	+1,450		NY	+39		AR	+17		NJ	1,006,905		CH	19,428		KY	72,134		MN	79%	WA	14%
WA	+1,408		MI	+30		CH	+12		NC	980,498		MI	19,253		MI	65,918		FL	78%	WV	14%
+26,285			+530			+322			17,696,745			336,813			1,248,022						
All states	+47,055			+837			+7		All states	32,651,865			580,901			2,222,932		All states	70%		67%
Top ten	56%			63%			4600%		Top ten	54%			58%			56%		Median	72%		10%

Some states not reporting

## Five most improved US states

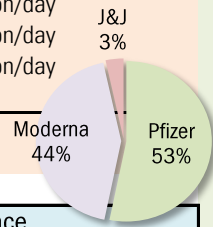
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-746	MI	-93	CR	-44	HI	+312 bp
PA	-644	CA	-18	IN	-27	NH	+264 bp
NJ	-446	PA	-18	WA	-25	MD	+107 bp
TN	-418	IA	-15	NM	-21	DE	+102 bp
FL	-339	SC	-14	FL	-19	ME	+101 bp



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

# Rolling out the vaccines in the US and the world

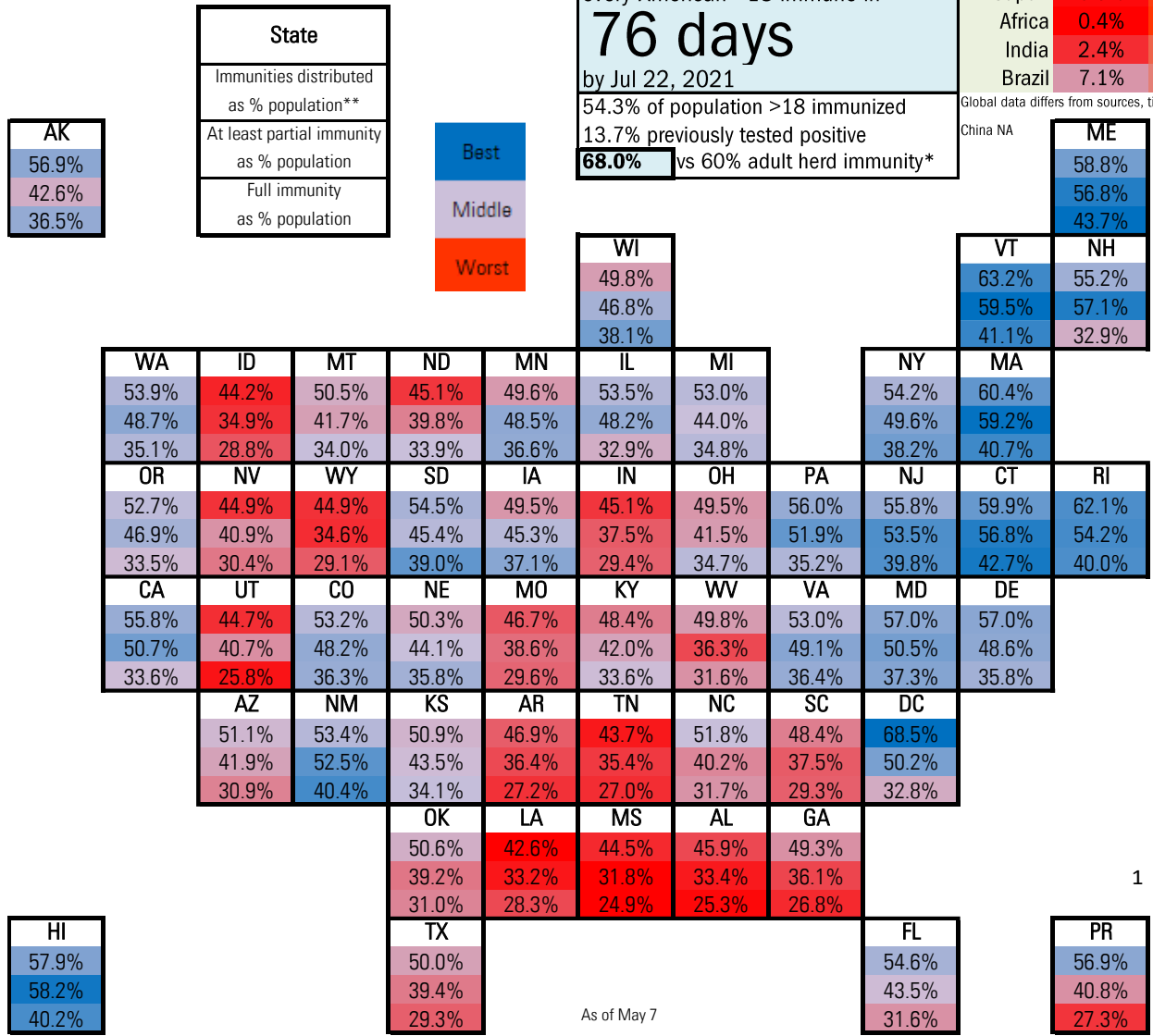
US overall	Over last day	Immunity	Full	Partial
339.19 million doses distributed	+2.53 million/day	US	33.2%	45.0%
263.25 million doses administered	+2.85 million/day	UK	24.7%	51.7%
154.67 million persons partially immunized	+0.97 million/day	France	11.0%	25.2%
114.44 million persons fully immunized	+1.96 million/day	Spain	12.7%	28.4%
		Germany	9.0%	32.1%
		Italy	11.7%	26.9%
		Australia	1.6%	0.6%
		Israel	58.6%	62.6%
		Canada	3.2%	37.4%
		Japan	0.9%	2.4%
		Africa	0.4%	1.0%
		India	2.4%	9.6%
		Brazil	7.1%	14.9%



77.6% of distributed doses administered  
 46.3% of US pop partial 34.3% full immunity

At today's dosing pace,  
 every American >18 immune in  
**76 days**  
 by Jul 22, 2021  
 54.3% of population >18 immunized  
 13.7% previously tested positive  
**68.0%** vs 60% adult herd immunity\*

Global data differs from sources, timing

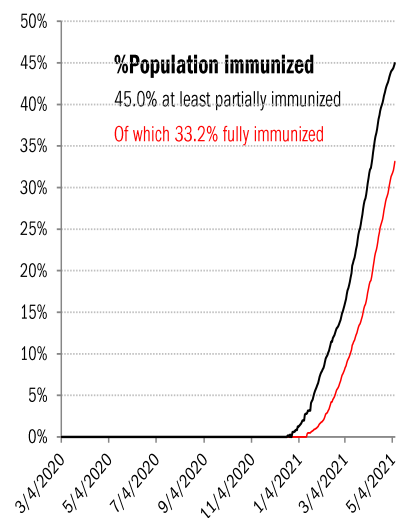
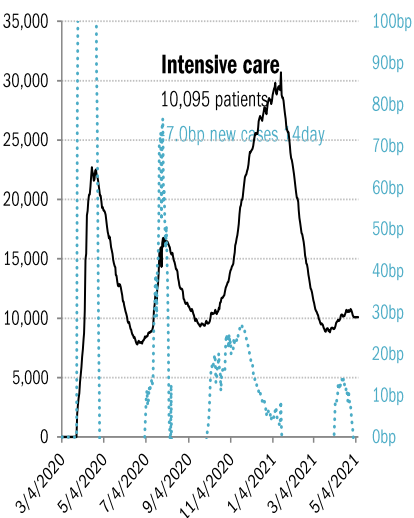
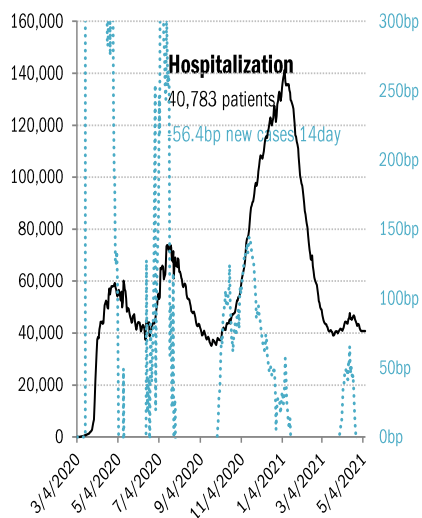
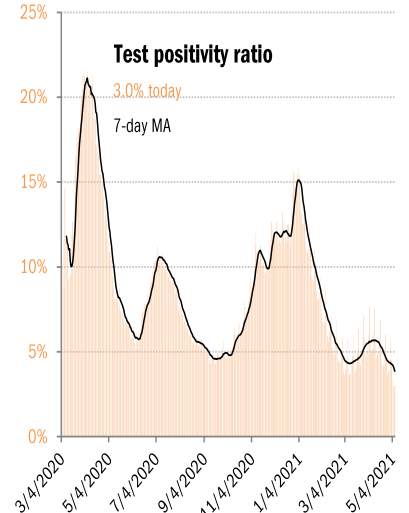
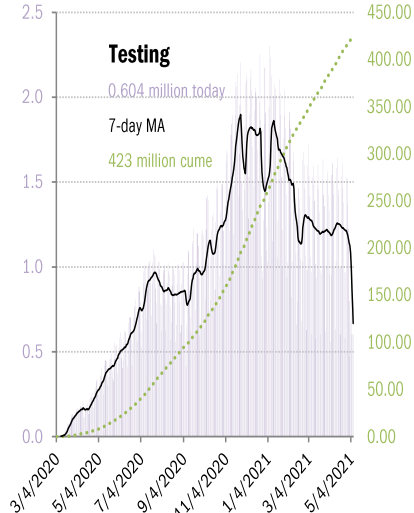
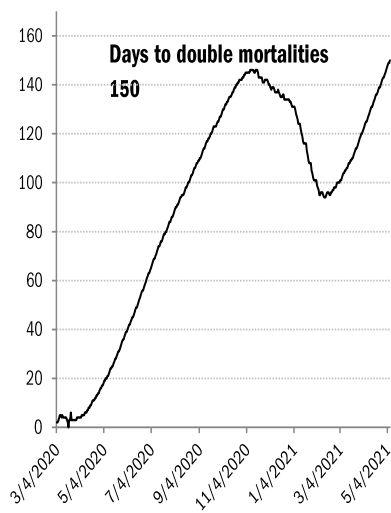
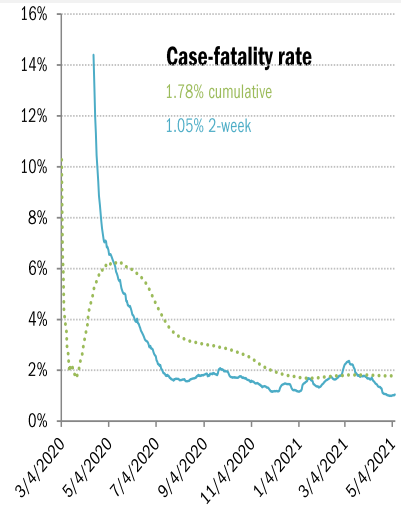
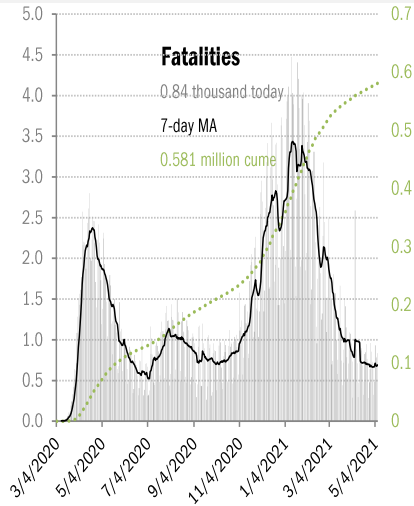
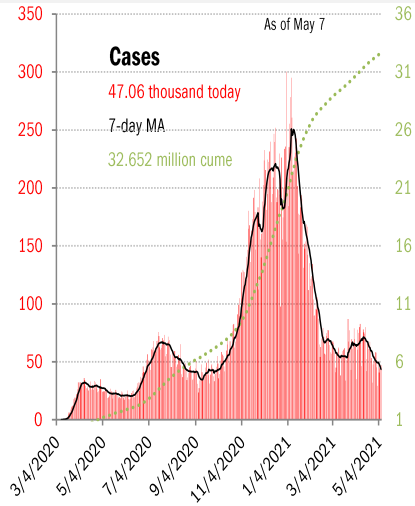


\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.  
 \*\* One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

# US deep-dive

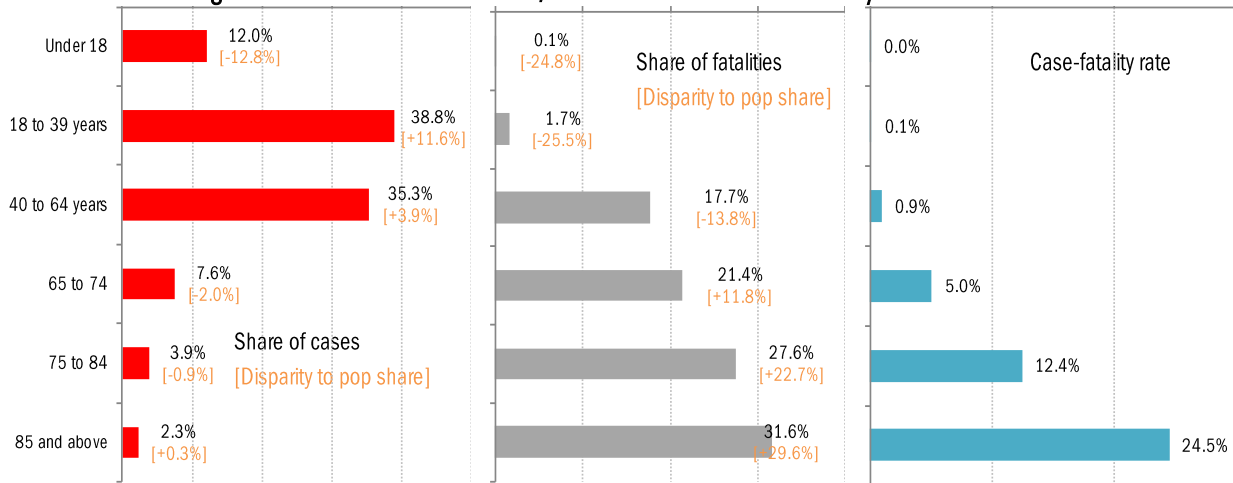
National and state-by-state data do not line up because of different sources



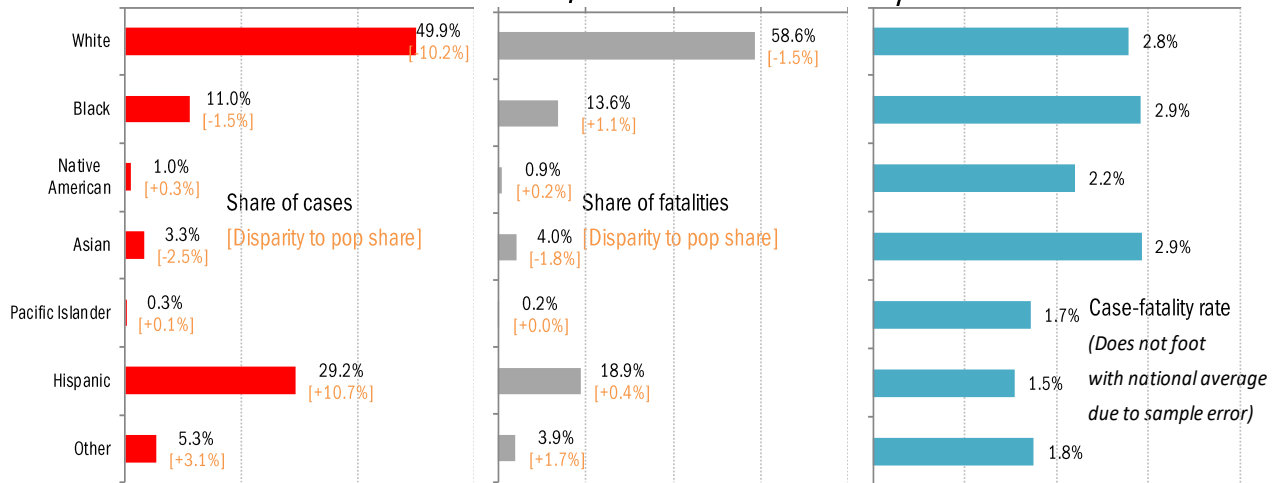
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

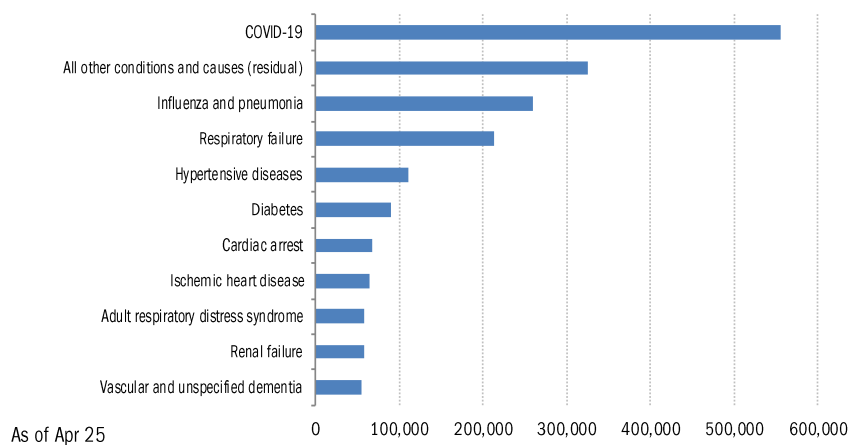


## Racial distribution of US cases, fatalities and case-fatality rates



## 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

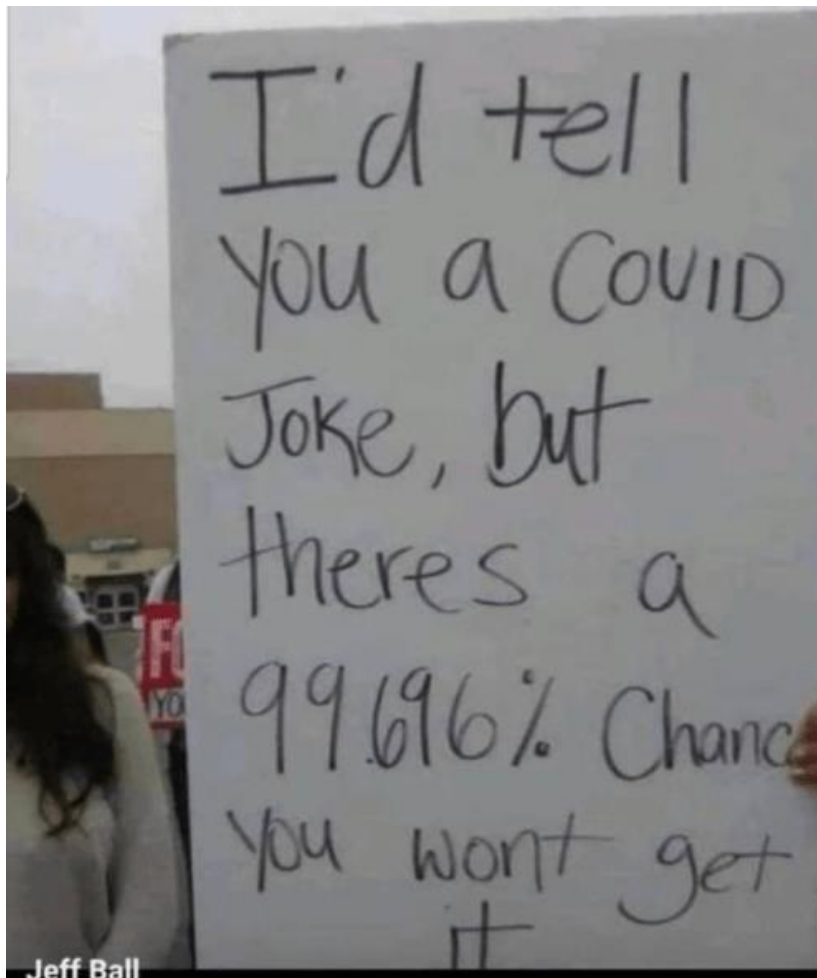
[AstraZeneca Weighs Seeking Full U.S. Approval for Covid Shot, Skipping Emergency-Use Application](#)

Jenny Strasburg and Thomas M. Burton  
*Wall Street Journal*  
May 7, 2021

[EU's Michel says US vaccine patent waiver will not solve supply problem](#)

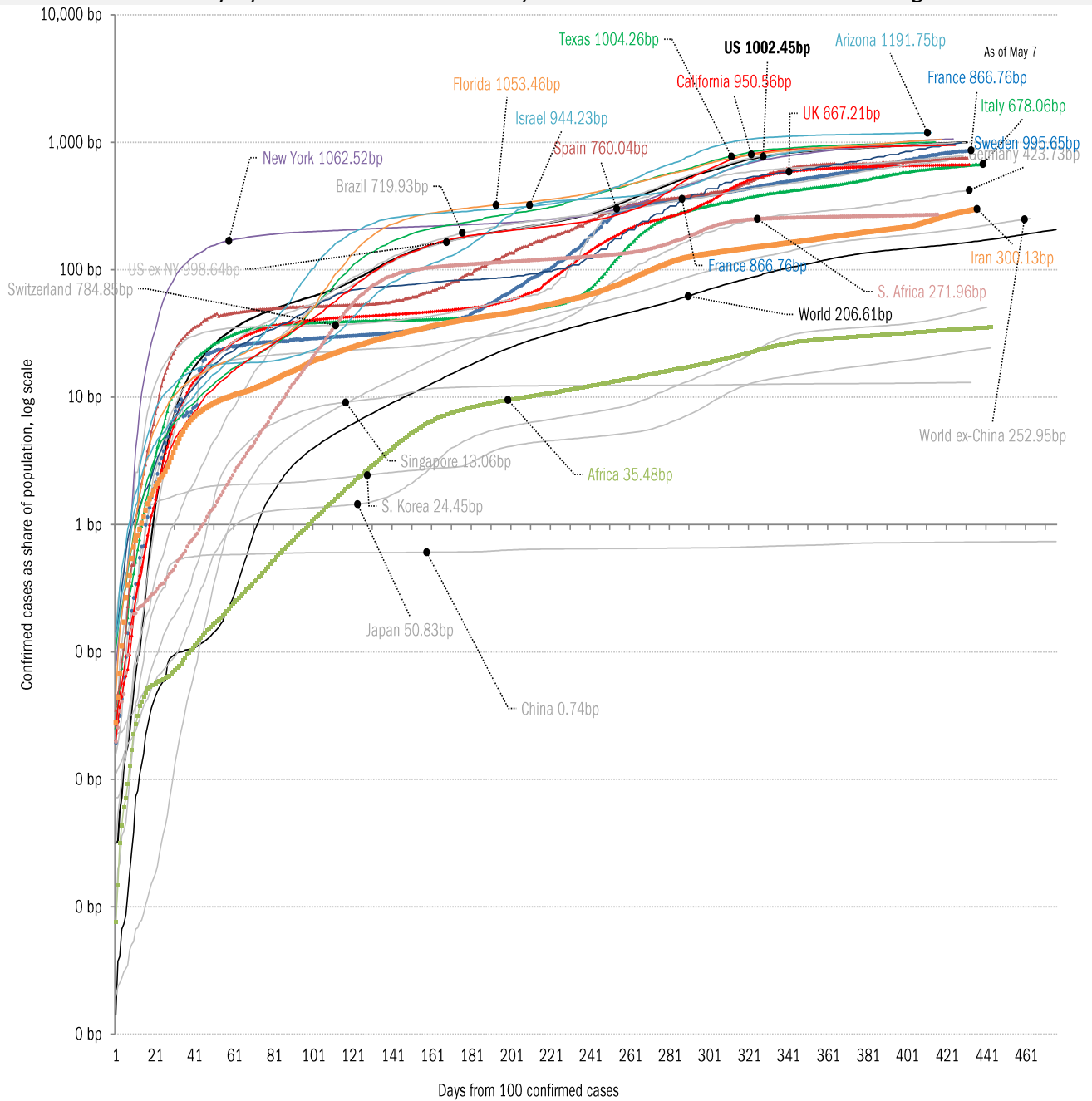
Sam Fleming, Jim Brunsten and Mehreen Khan  
*Financial Times*  
May 8, 2021

## Meme of the day



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

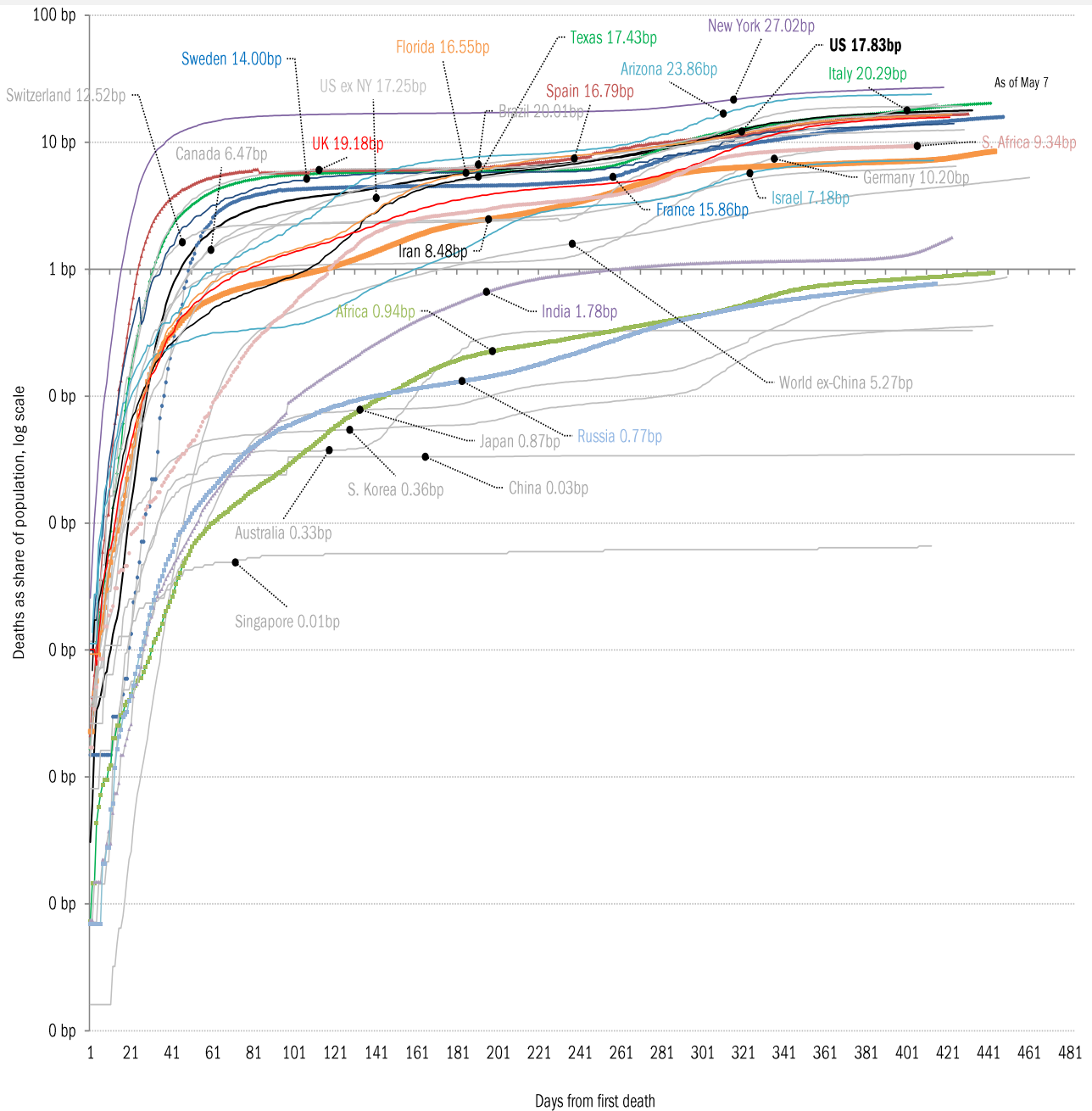
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

## Share of deceased population from day of first fatality



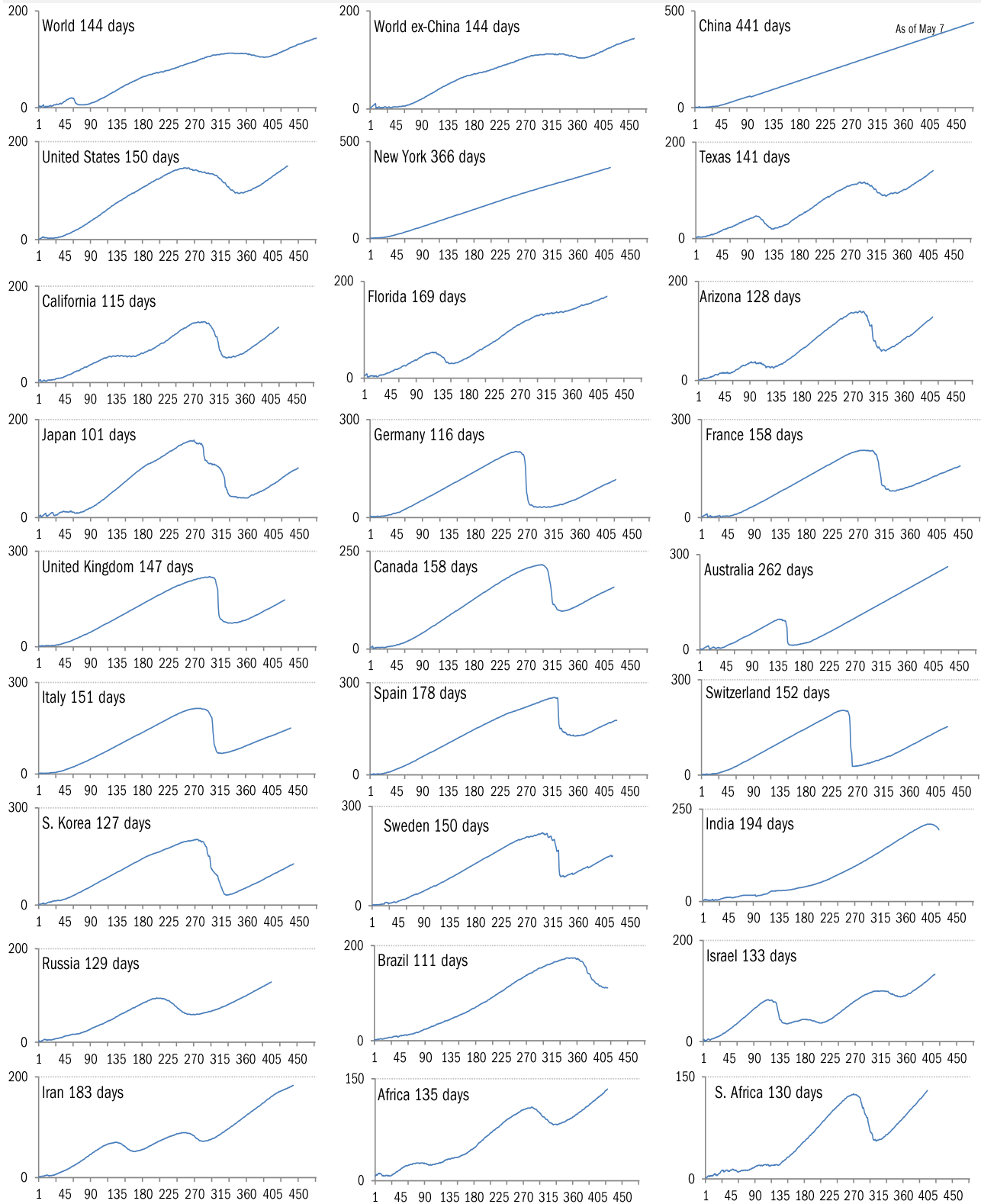
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

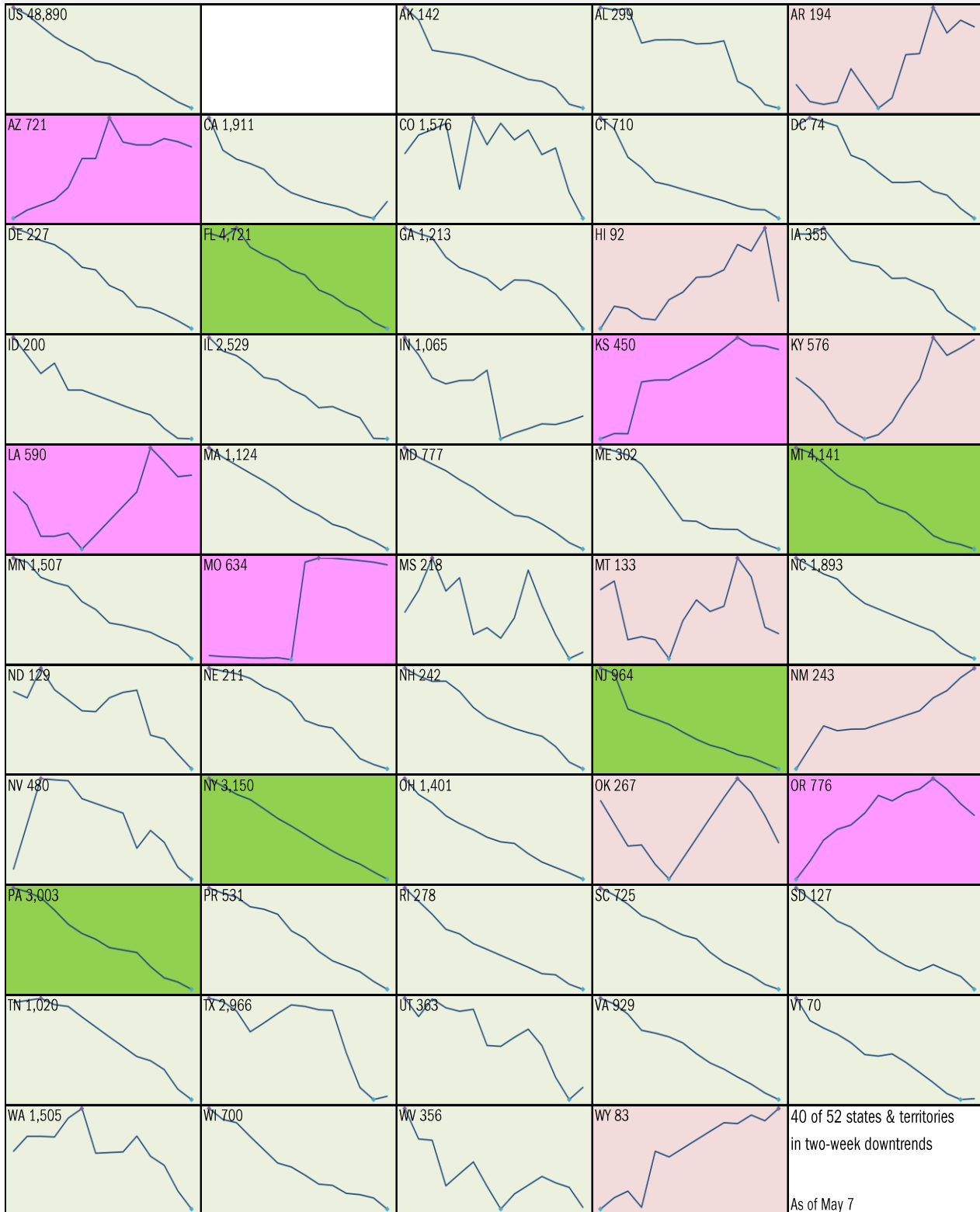
Vertical: days to double deaths Horizontal: days from first death

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

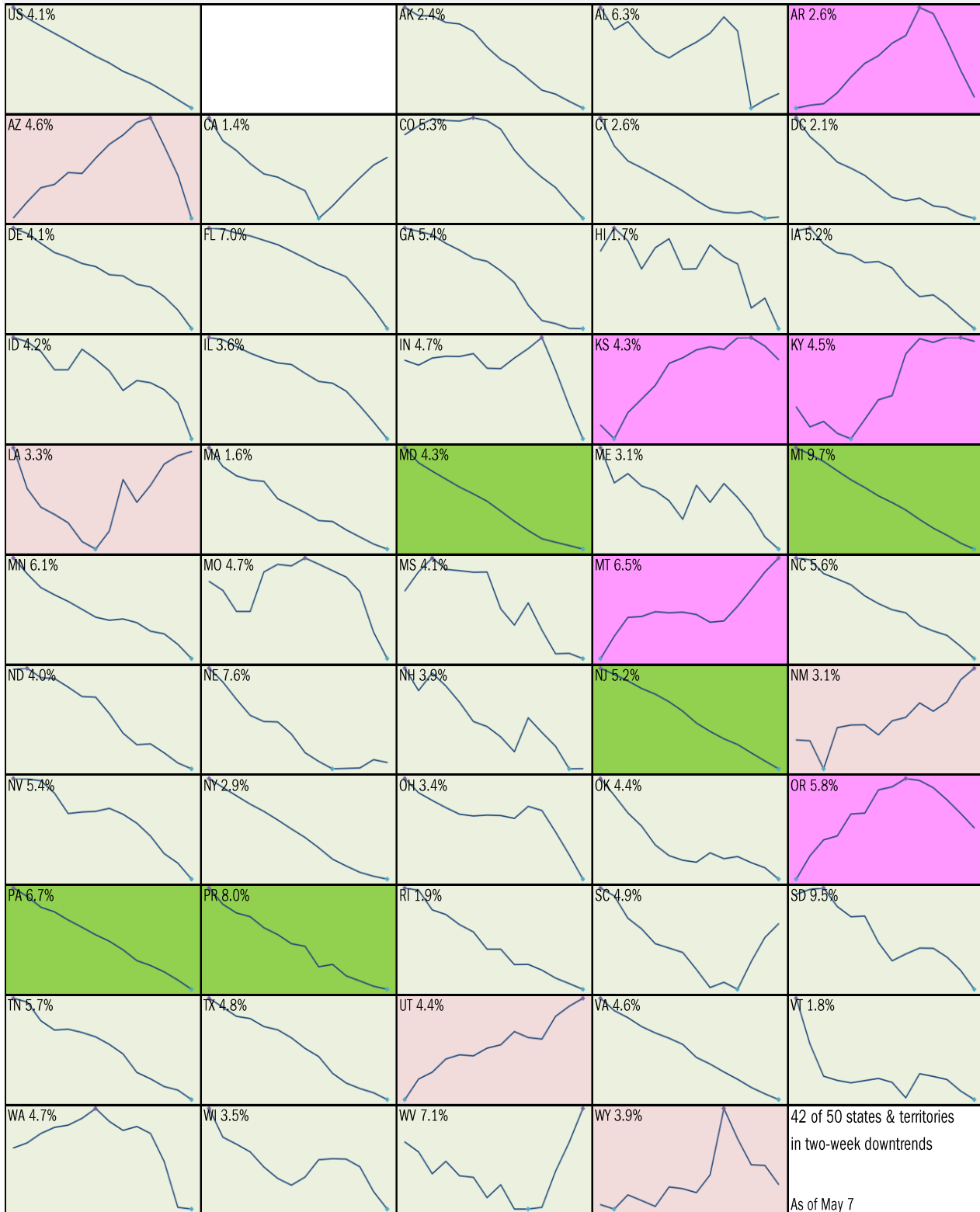


Source: [Johns Hopkins](#), TrendMacro calculations

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

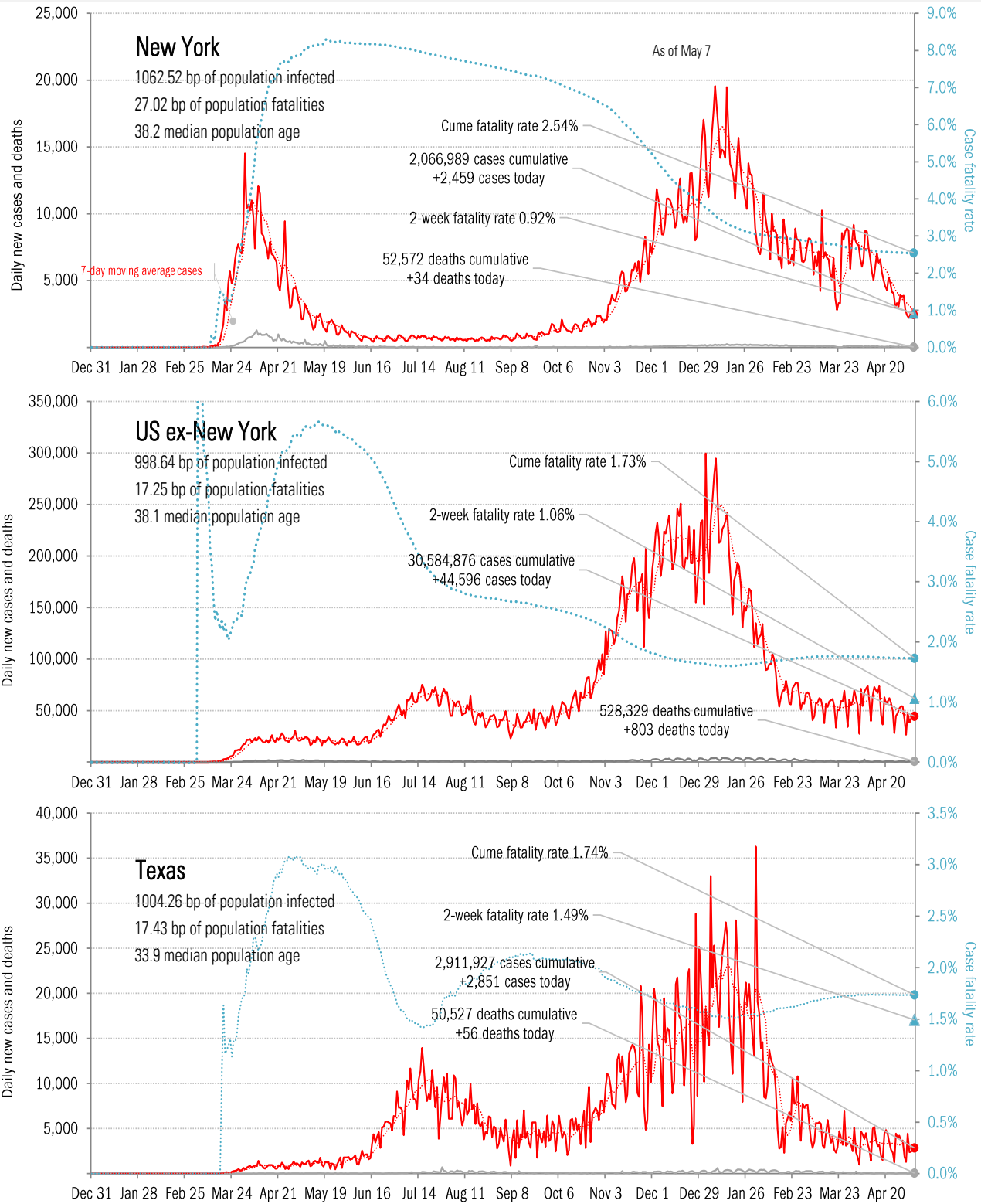
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



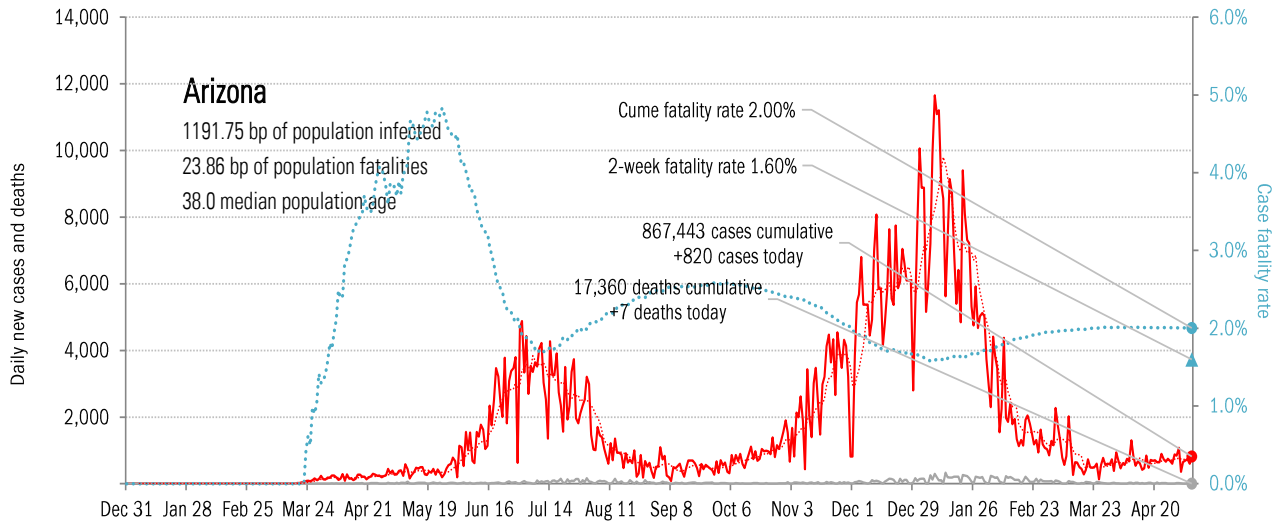
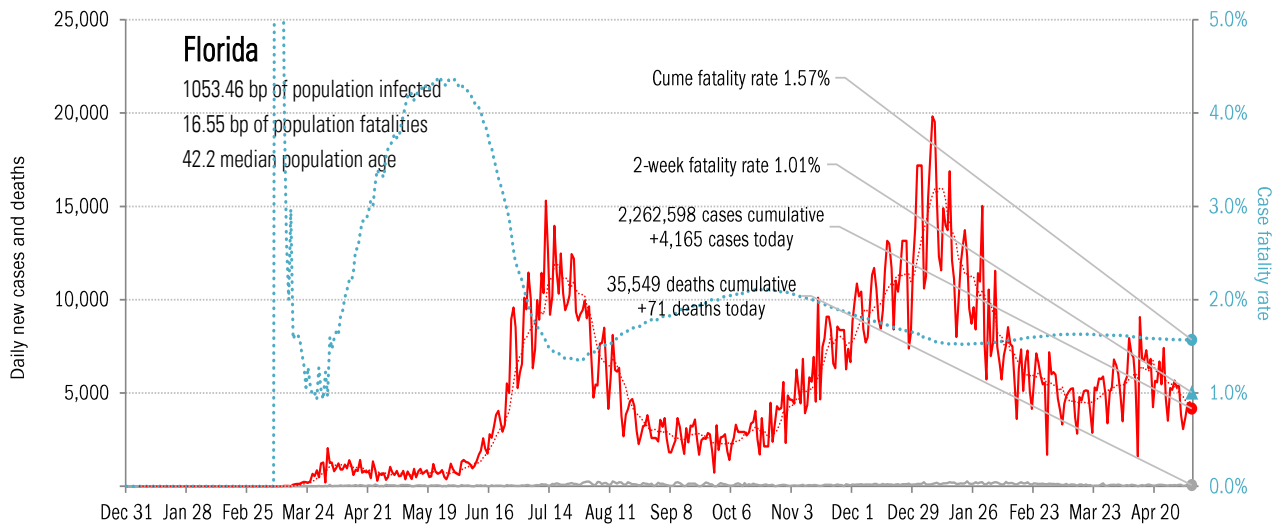
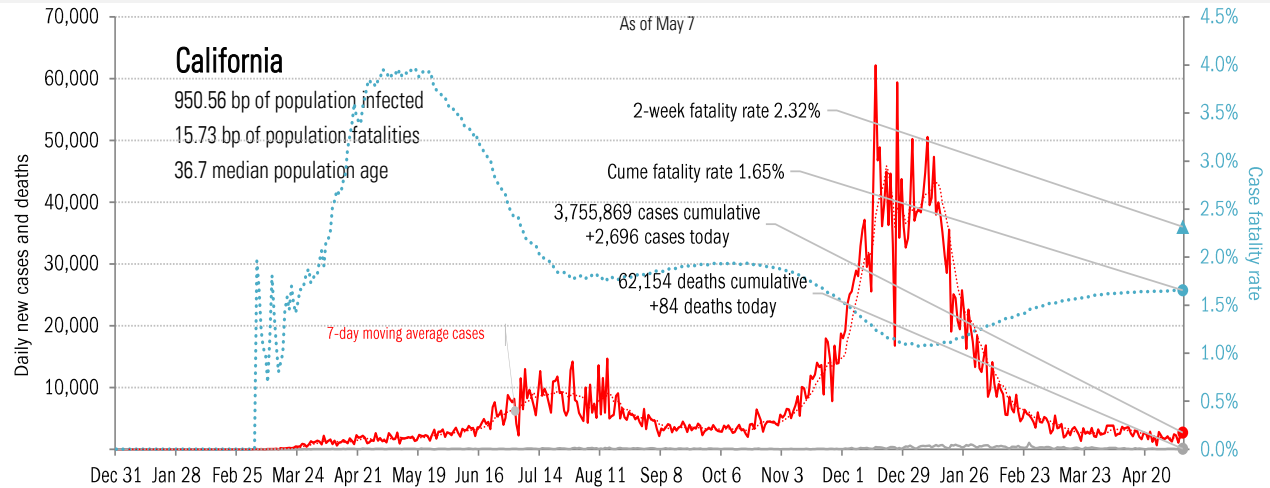
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



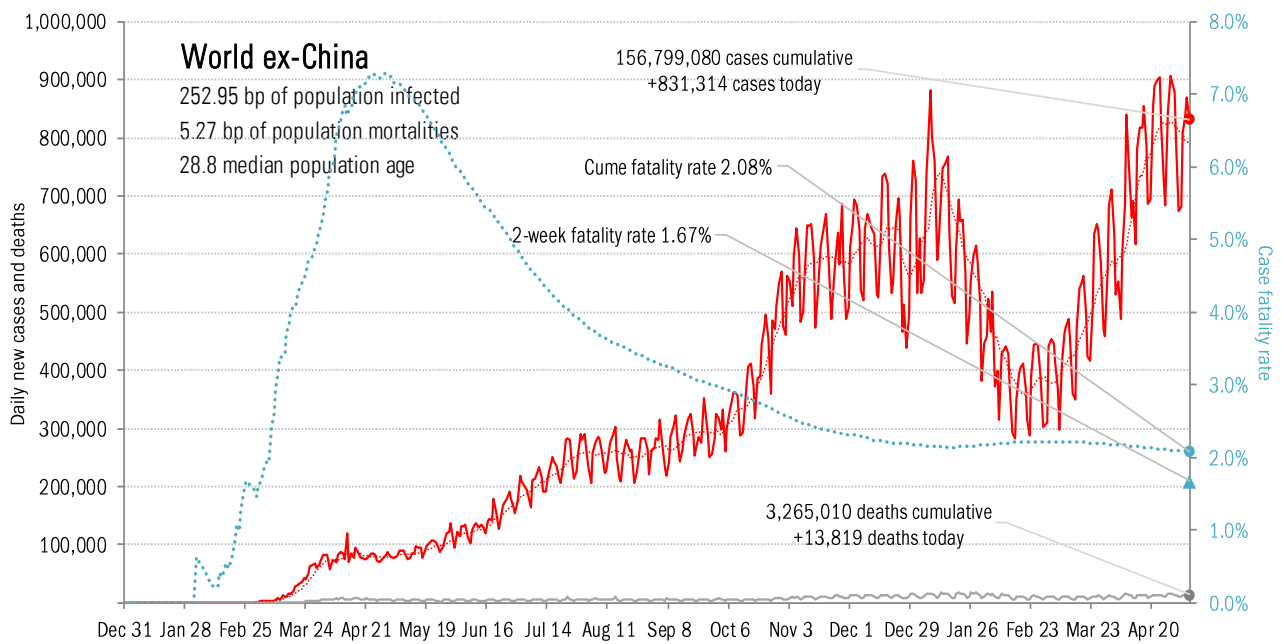
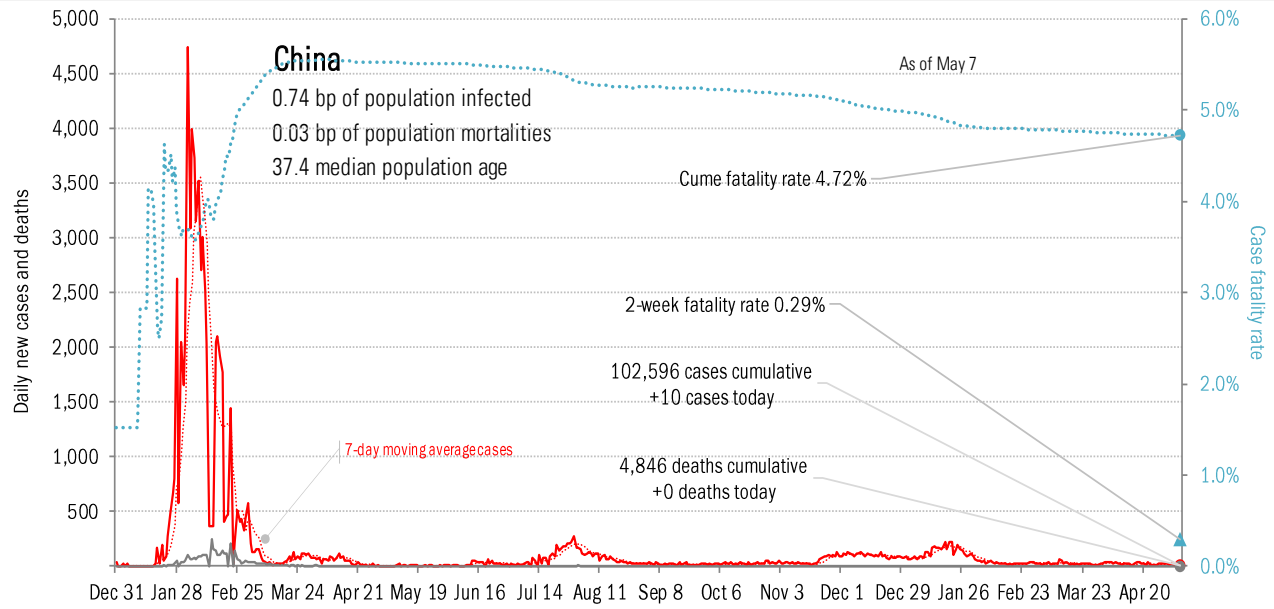
Source: [Johns Hopkins](#), TrendMacro calculations

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



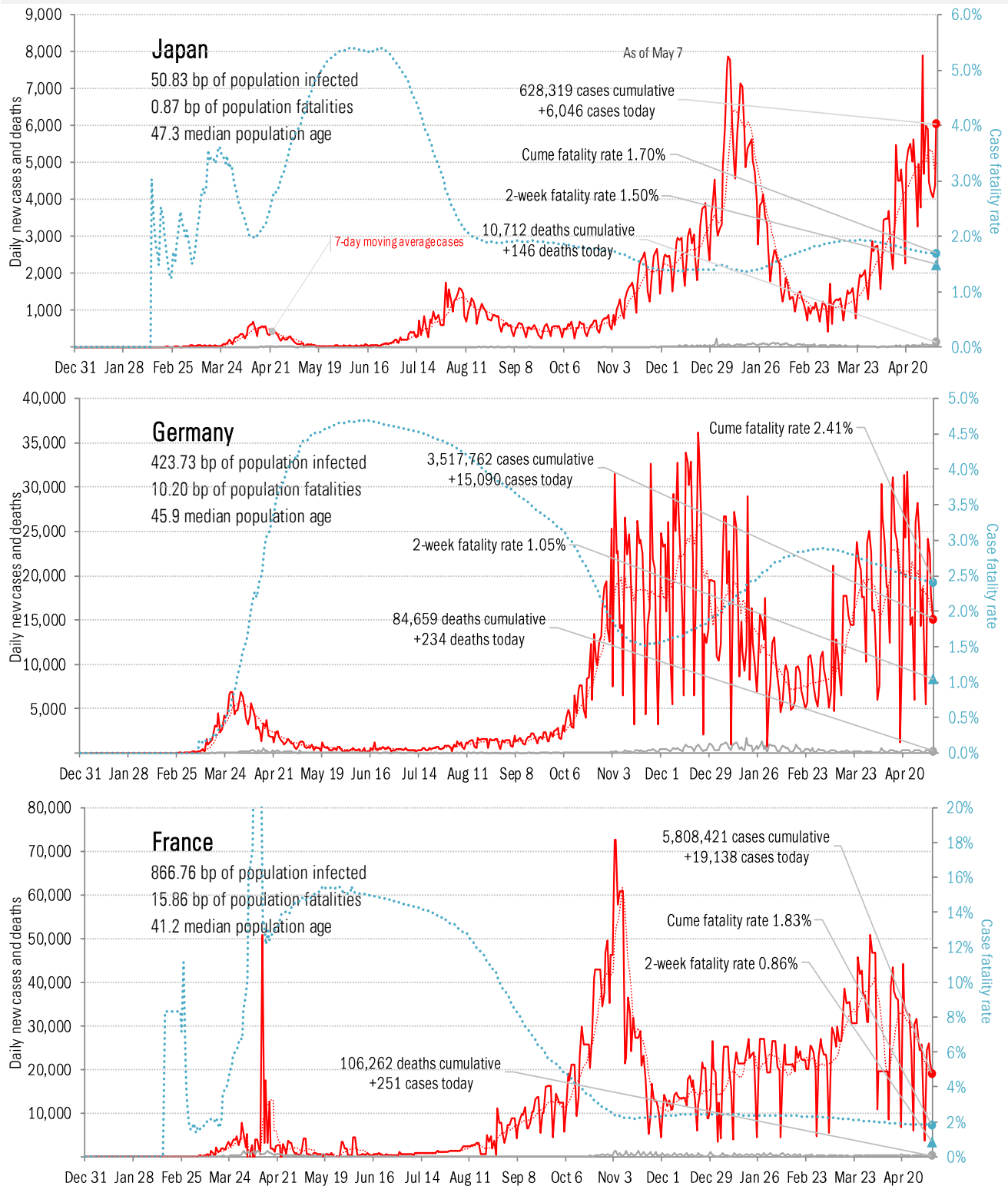
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



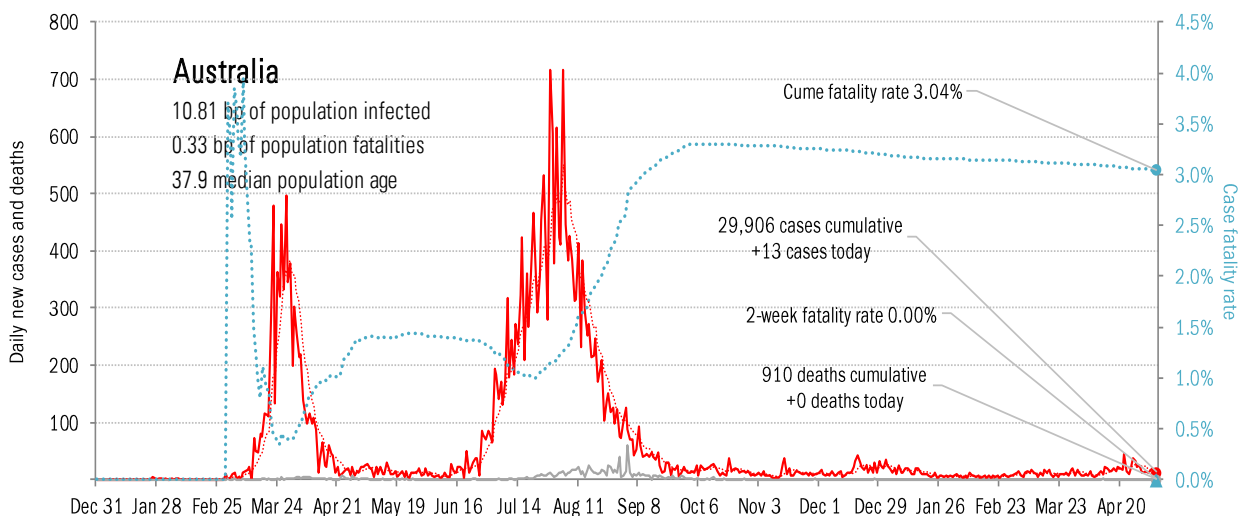
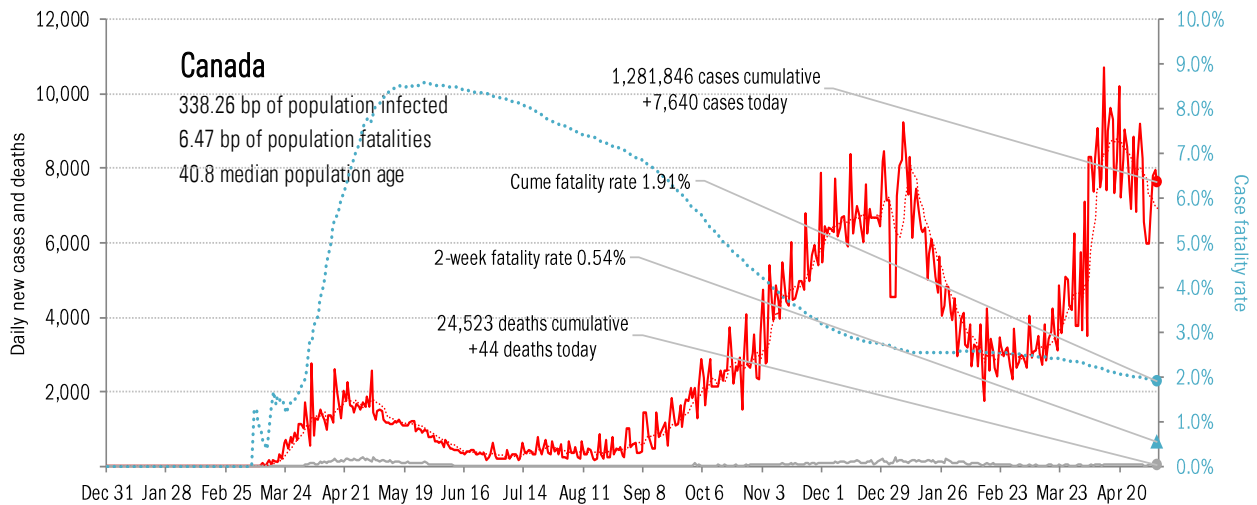
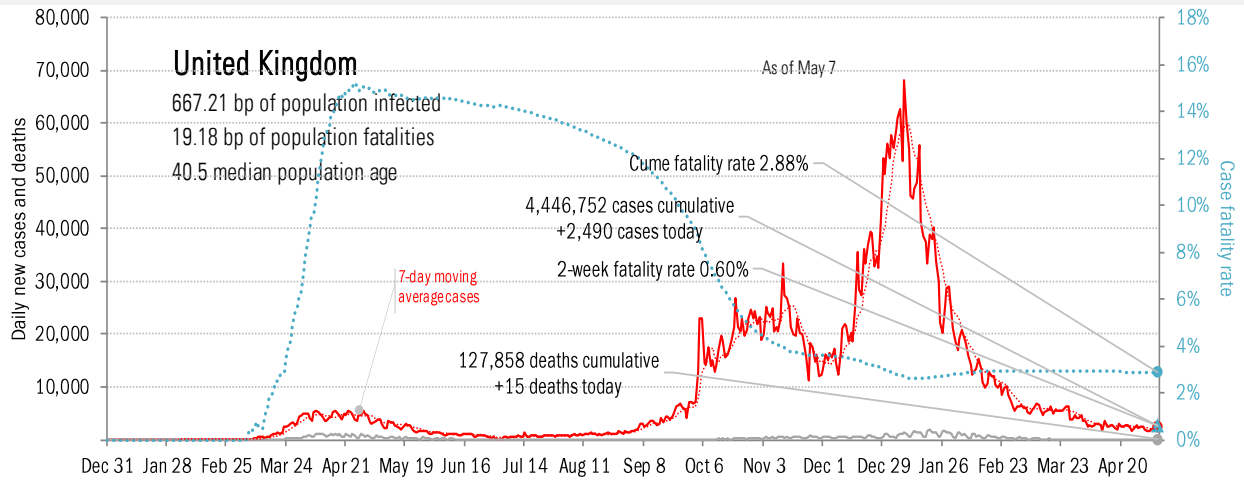
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

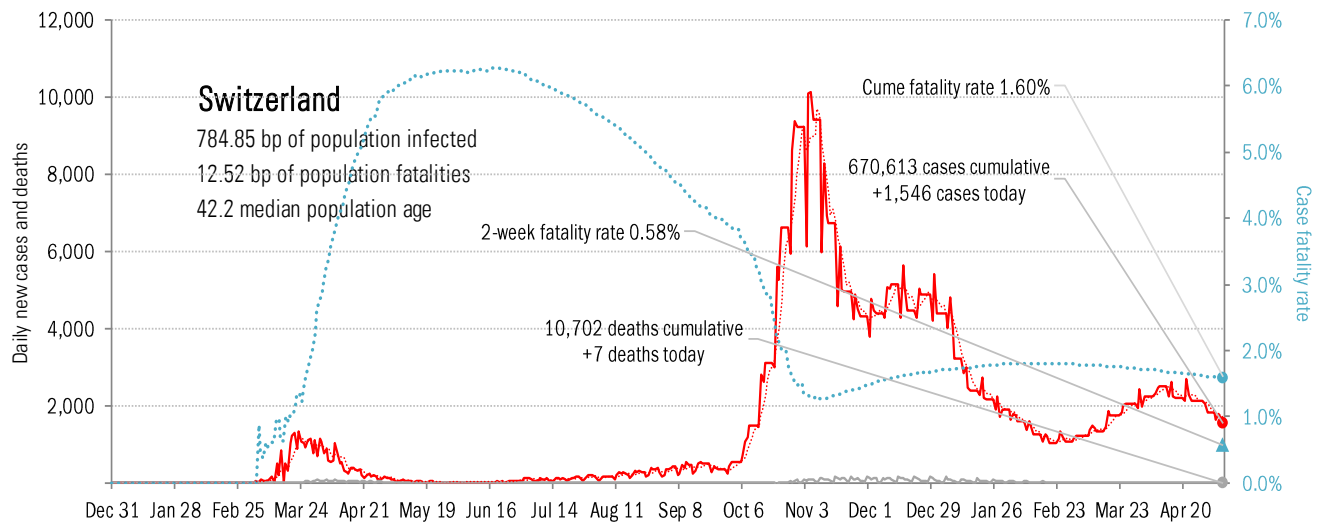
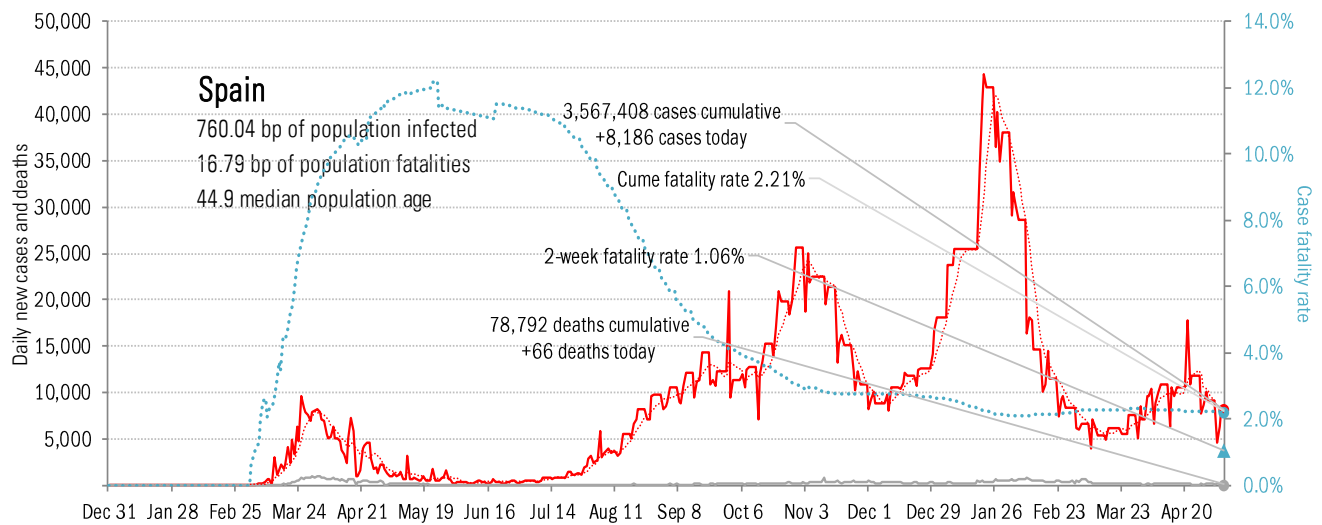
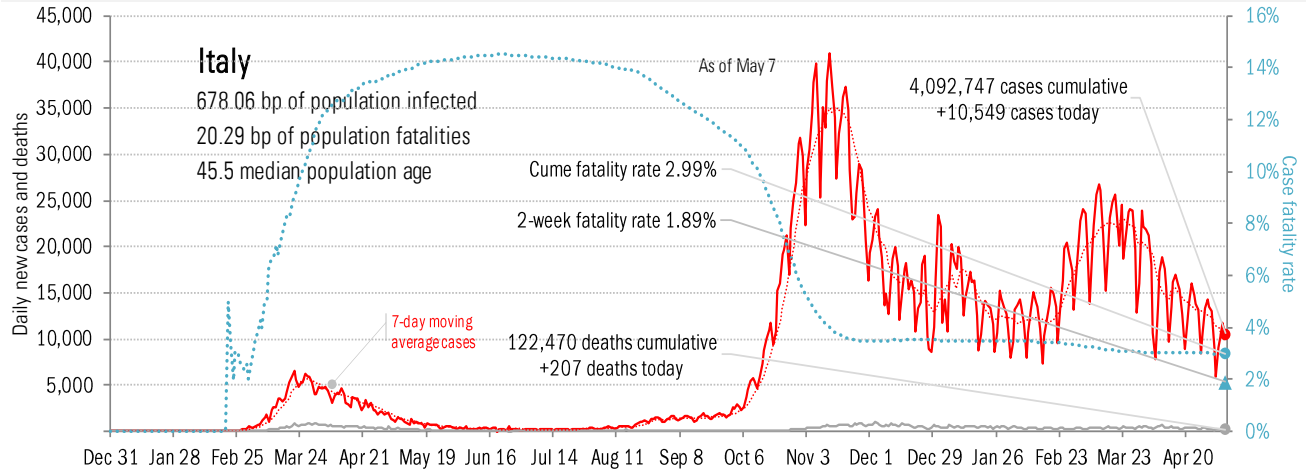
# Impact in The Anglosphere



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

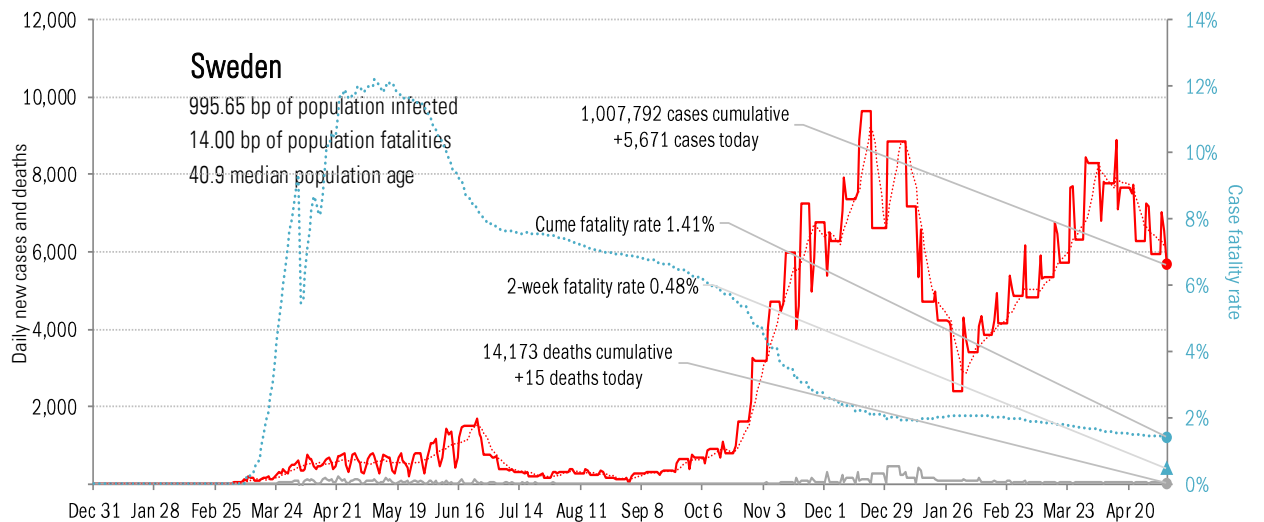
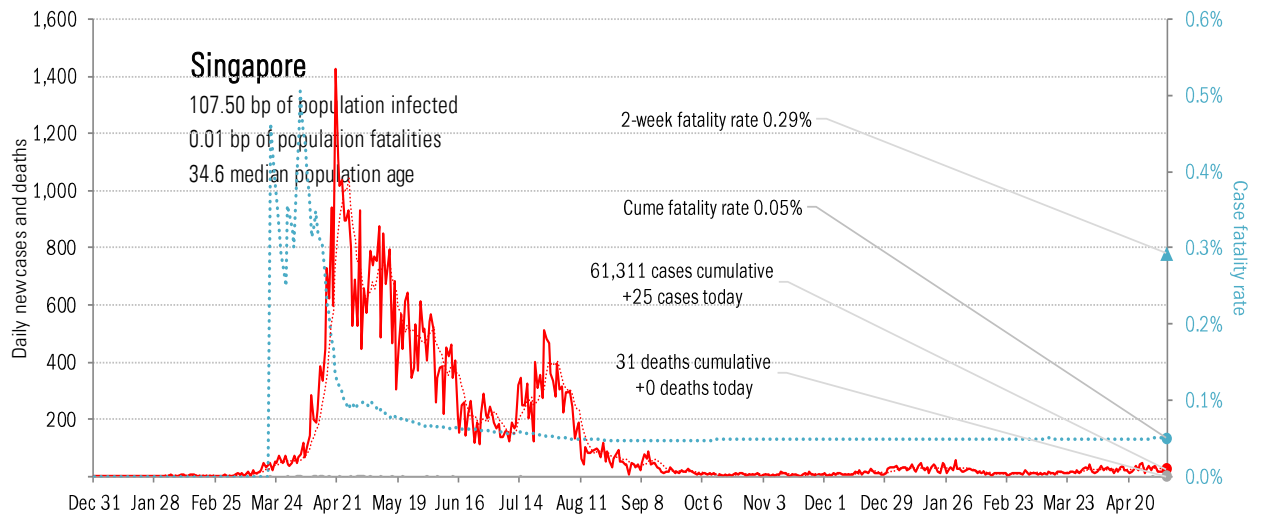
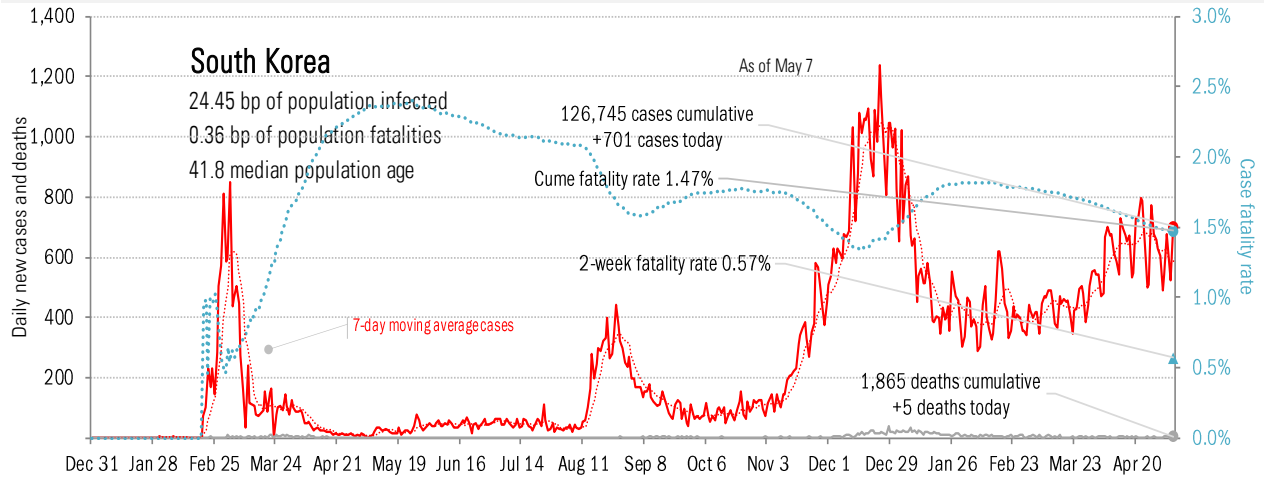


# Impact in continental Europe



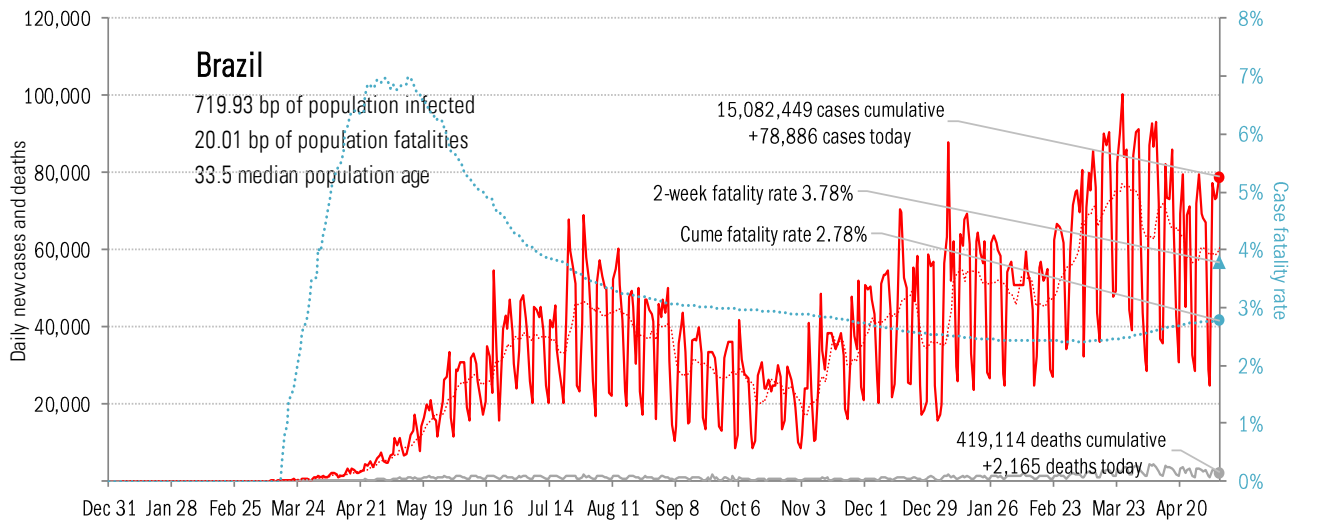
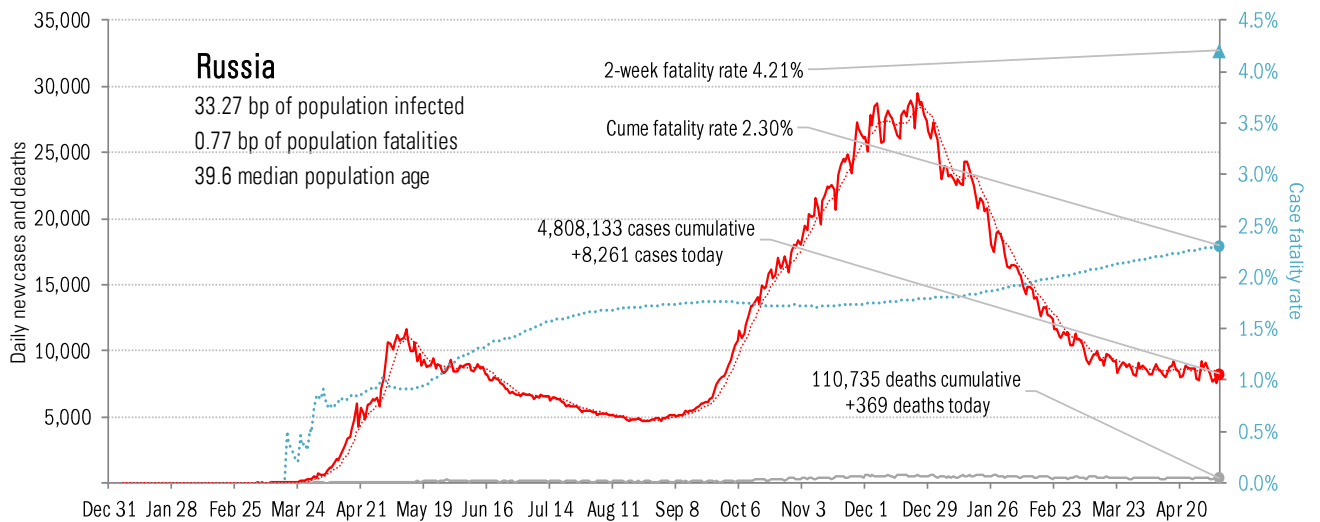
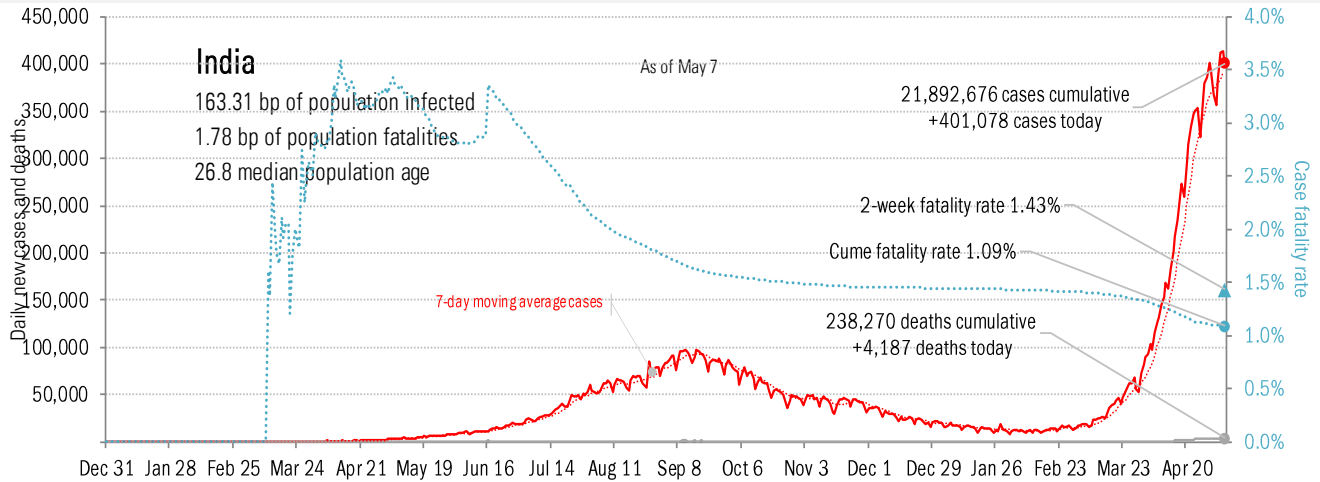
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



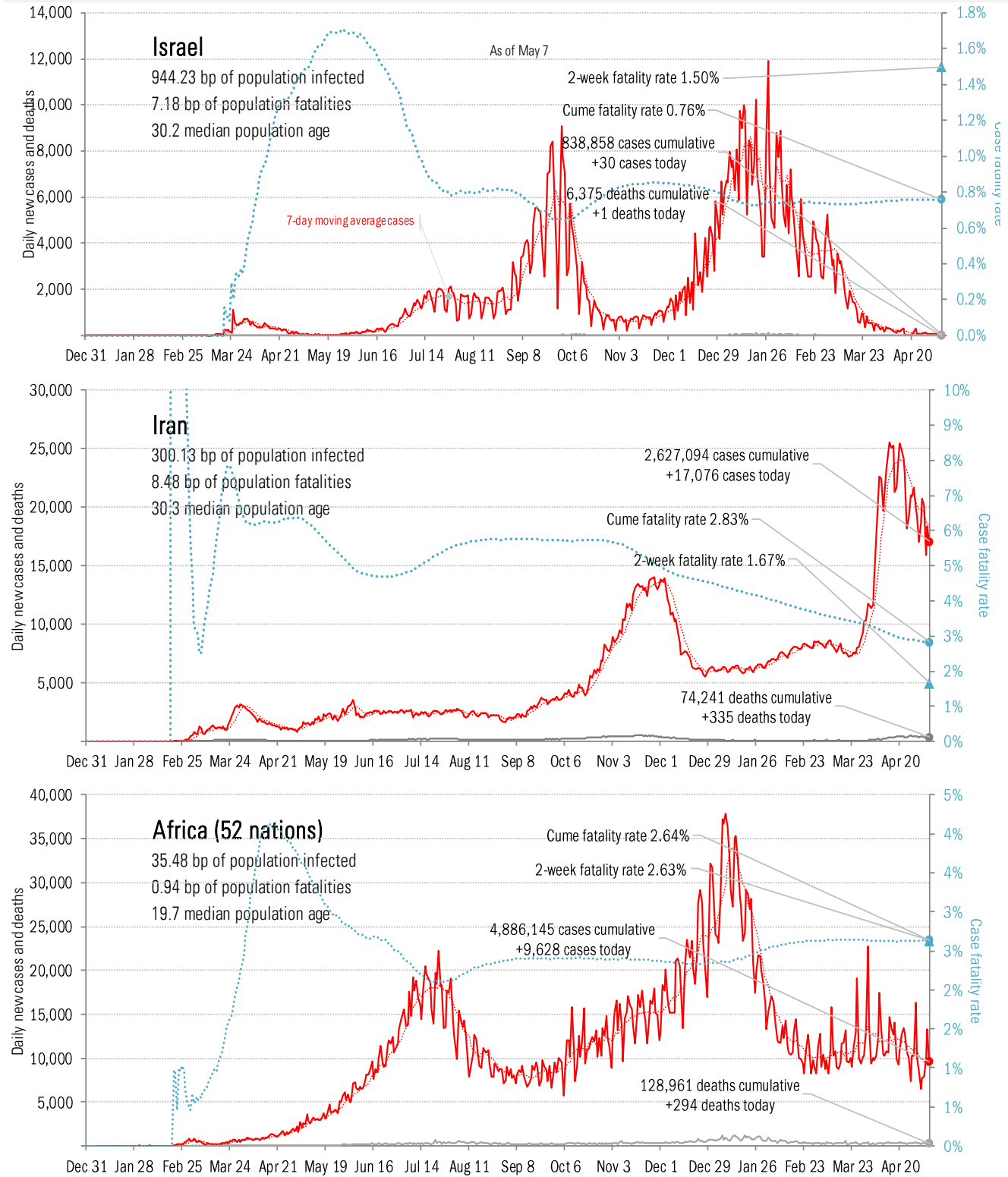
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



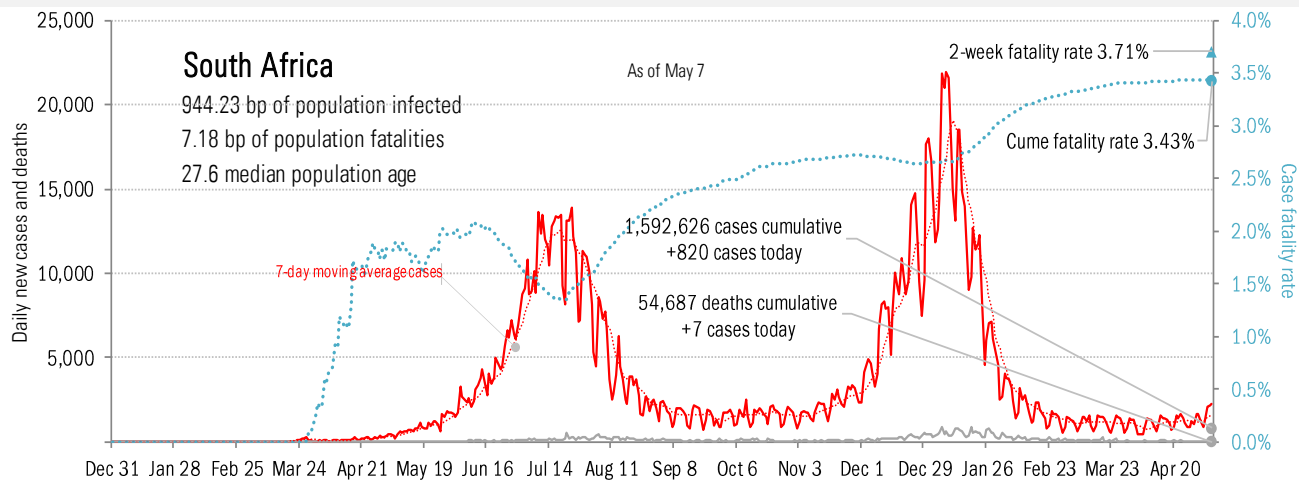
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

## Impact in Africa, continued



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