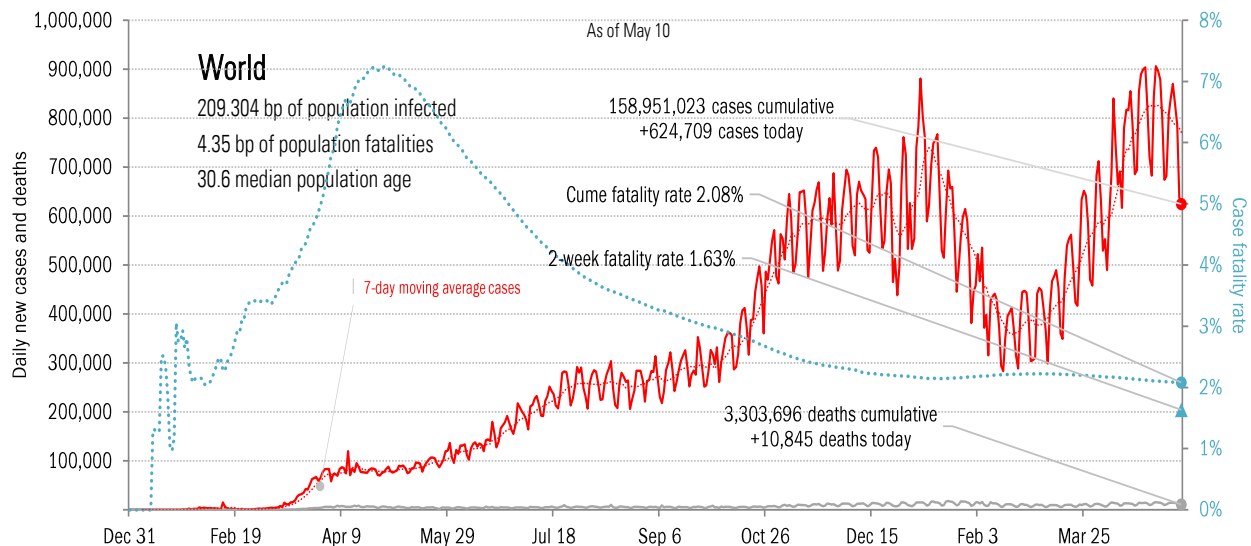
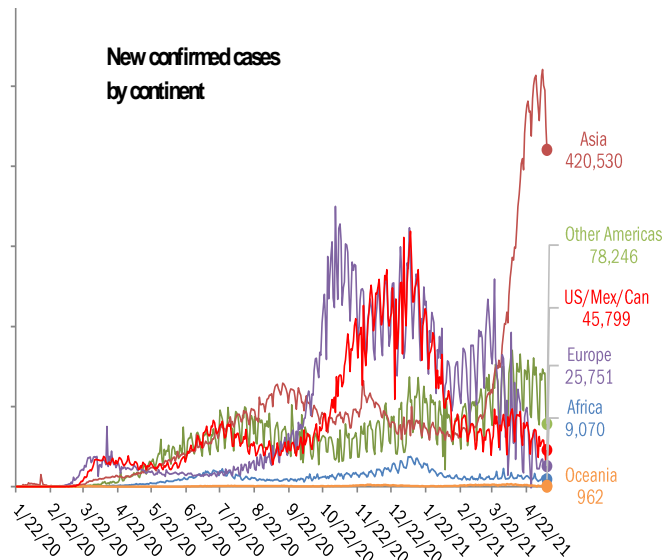


## Data Insights: Covid-2019 Monitor

Tuesday, May 11, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+ 329,942	India	+ 3,876
United States	+ 36,231	Brazil	+ 889
Brazil	+ 25,200	Argentina	+ 496
Iran	+ 18,408	Colombia	+ 488
Argentina	+ 17,381	United States	+ 399
Spain	+ 13,984	Iran	+ 351
Turkey	+ 13,604	Russia	+ 315
Colombia	+ 12,543	France	+ 292
Nepal	+ 9,127	Turkey	+ 282
Canada	+ 8,864	Germany	+ 274
<b>+ 485,284</b>		<b>+ 7,662</b>	
World	+ 624,709	World	+ 10,845
Top ten	78%	Top ten	71%



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

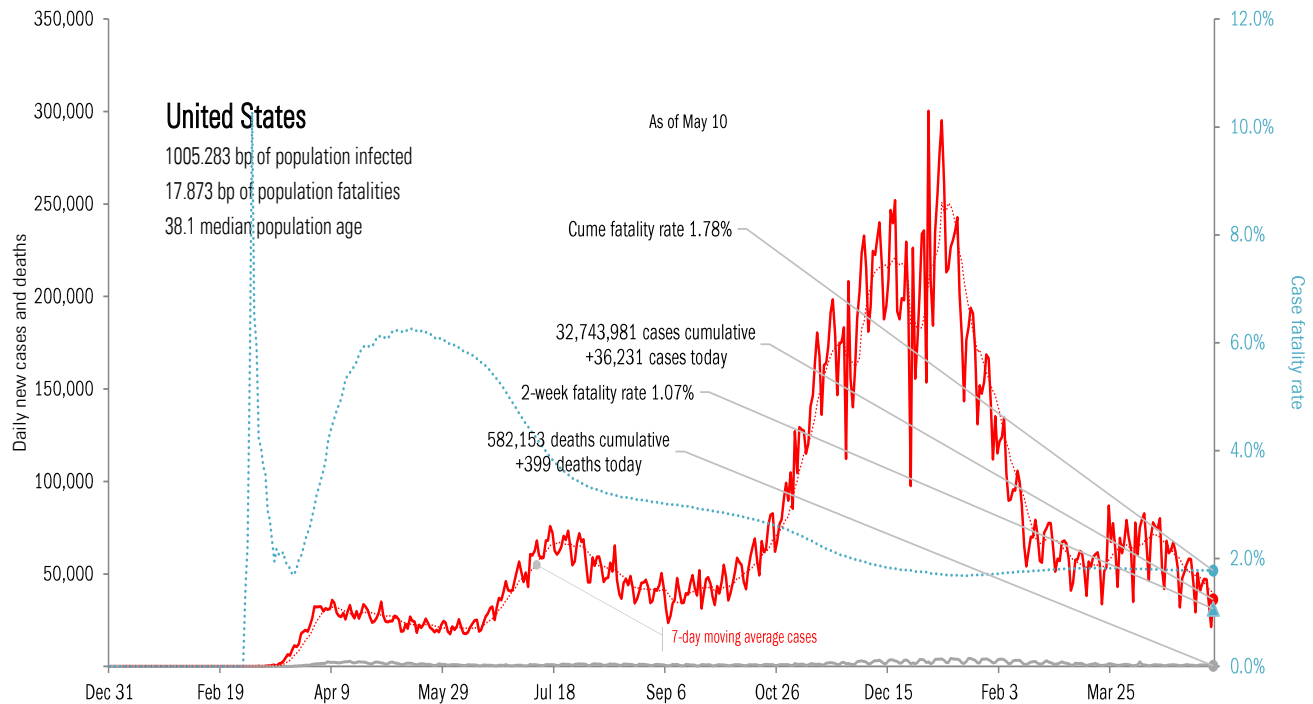
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NC	+3,753		FL	+52		IL	+49		CA	3,760,303		CA	62,334		TX	242,383		RI	88%	MI	27%
MI	+2,987		NY	+41		GA	+28		TX	2,917,219		NY	52,729		CA	232,240		MA	84%	ME	19%
TX	+2,715		MI	+34		CA	+14		FL	2,272,102		TX	50,665		FL	172,361		PA	83%	MD	19%
FL	+2,296		PA	+33		CO	+14		NY	2,074,079		FL	35,783		NY	130,736		MD	82%	CO	18%
CA	+2,166		TX	+22		CR	+14		IL	1,356,299		PA	26,526		GA	103,963		MI	81%	MN	16%
PA	+1,783		WA	+22		CH	+12		PA	1,175,850		NJ	25,810	#N/A	0	CT	81%	WA	15%		
WA	+1,725		TN	+21		KY	+10		GA	1,110,418		IL	24,590		CH	169,493		MO	80%	RI	14%
NY	+1,653		CA	+20		NC	+8		CH	1,084,322		GA	20,368		IL	77,815		FL	79%	PA	14%
TN	+1,519		CT	+17		NH	+7		NJ	1,008,046		CH	19,428		KY	73,238		GA	79%	IL	14%
IL	+1,430		MA	+16		WI	+7		NC	984,251		MI	19,411		MI	68,014		DC	79%	ID	14%
+22,027			+278			+163			17,742,889			337,644			1,270,243						
All states	+36,231			+399			-205		All states	32,743,981			582,153			2,277,129		All states	70%		67%
Top ten	61%			70%			-80%		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	
FL	-936	IL	-18	LA	-130	DC	+95 bp
NY	-720	CA	-14	AZ	-51	NE	+90 bp
MA	-384	IN	-12	MO	-32	WA	+78 bp
IN	-315	MN	-7	TN	-28	CT	+64 bp
IL	-314	NE	-4	AR	-26	MA	+63 bp

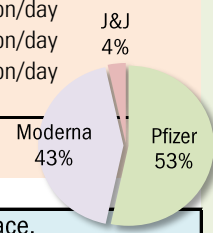


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

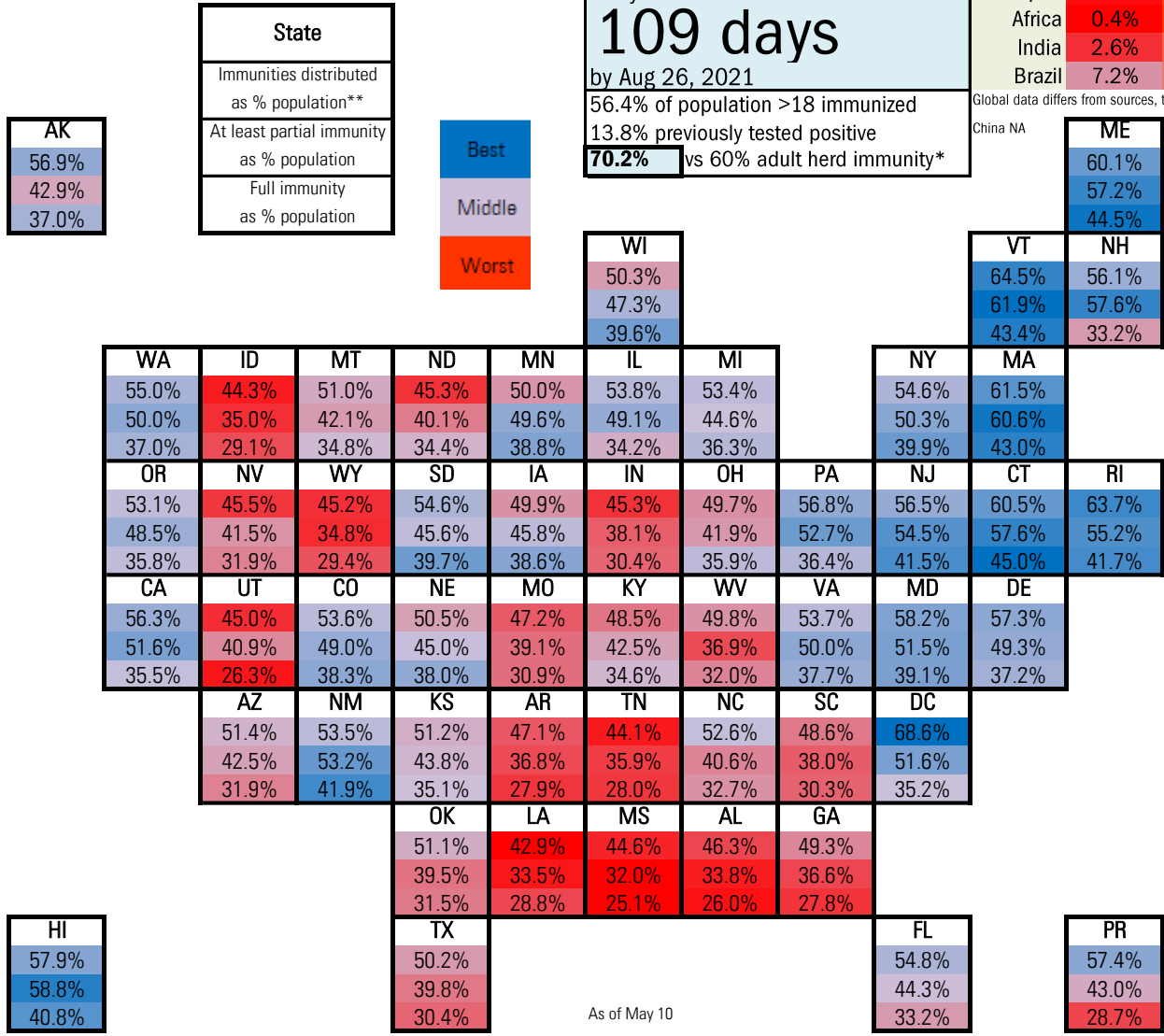
US overall	Over last day	Immunity	Full	Partial
341.92 million doses distributed	+0.00 million/day	US	34.5%	45.7%
270.16 million doses administered	+1.89 million/day	UK	26.3%	52.3%
157.09 million persons partially immunized	+0.70 million/day	France	11.6%	26.2%
119.15 million persons fully immunized	+1.28 million/day	Spain	13.3%	29.5%
		Germany	9.3%	32.6%
		Italy	12.5%	28.3%
		Australia	1.7%	0.6%
		Israel	58.7%	62.7%
		Canada	3.4%	39.7%
		Japan	1.0%	2.8%
		Africa	0.4%	1.1%
		India	2.6%	9.8%
		Brazil	7.2%	15.1%

79.0% of distributed doses administered  
 47.0% of US pop partial  
 35.7% full immunity



At today's dosing pace,  
 every American >18 immune in  
**109 days**  
 by Aug 26, 2021  
 56.4% of population >18 immunized  
 13.8% previously tested positive  
**70.2%** vs 60% adult herd immunity\*

Global data differs from sources, timing  
 China NA

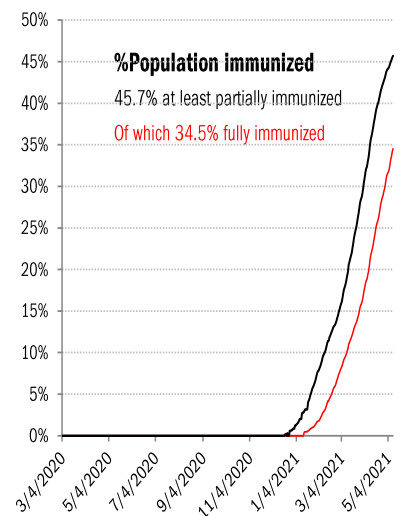
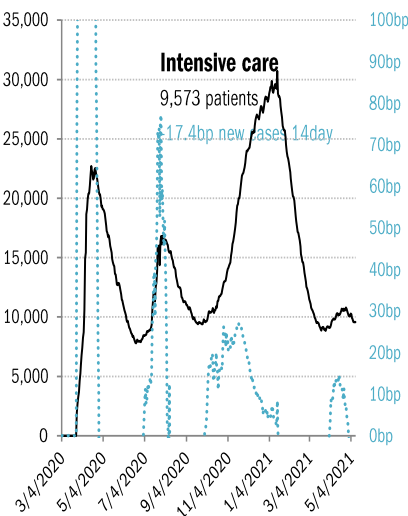
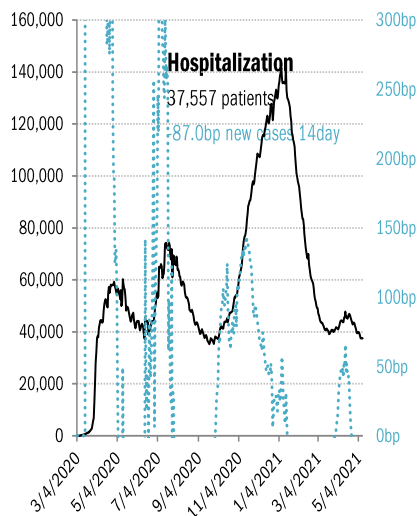
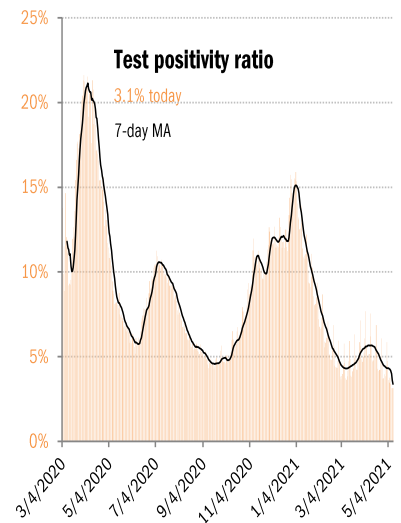
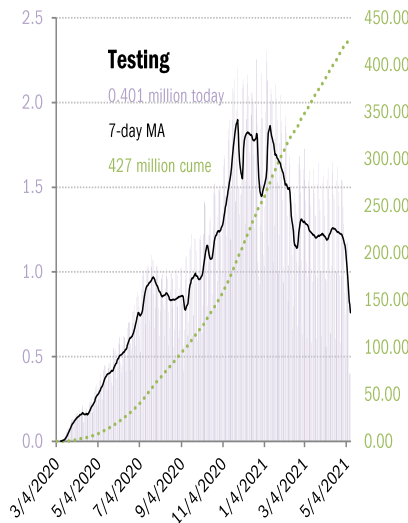
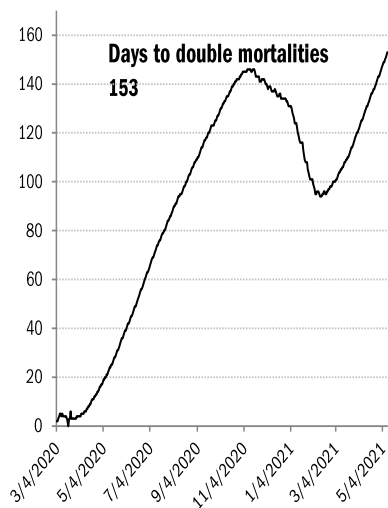
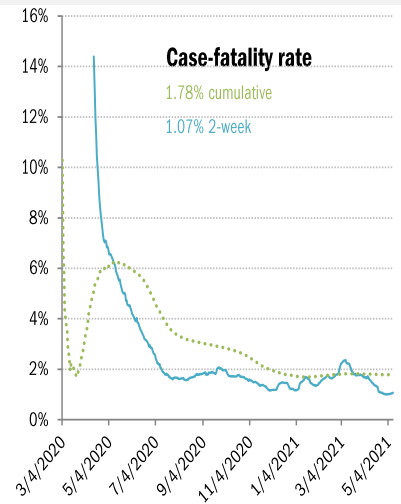
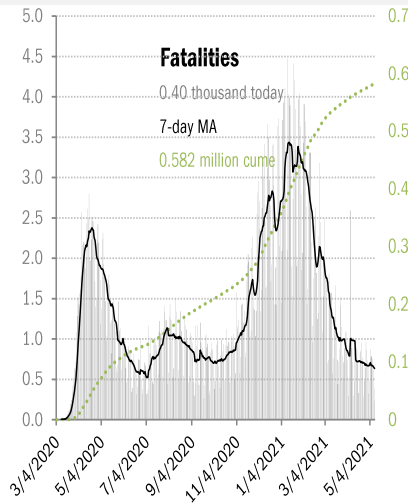
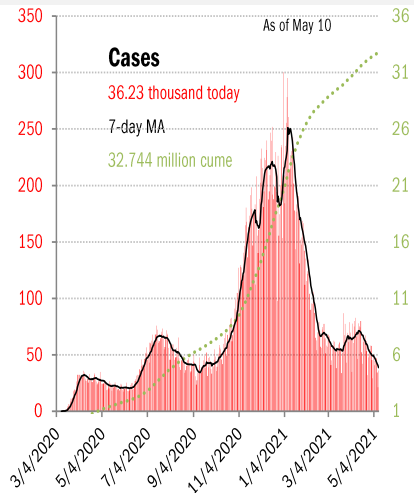


\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.  
 \*\* One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

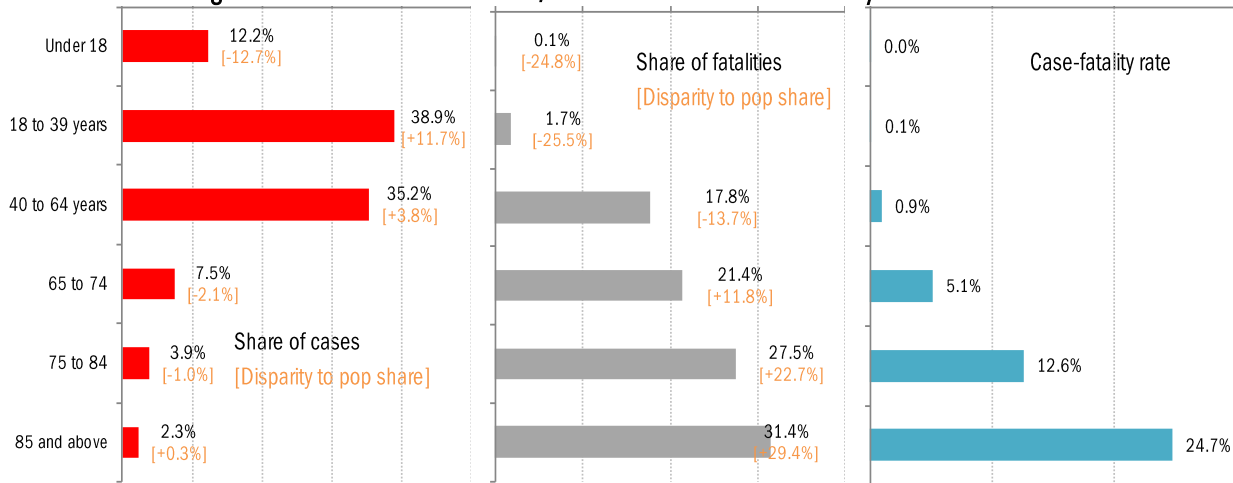
# US deep-dive

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

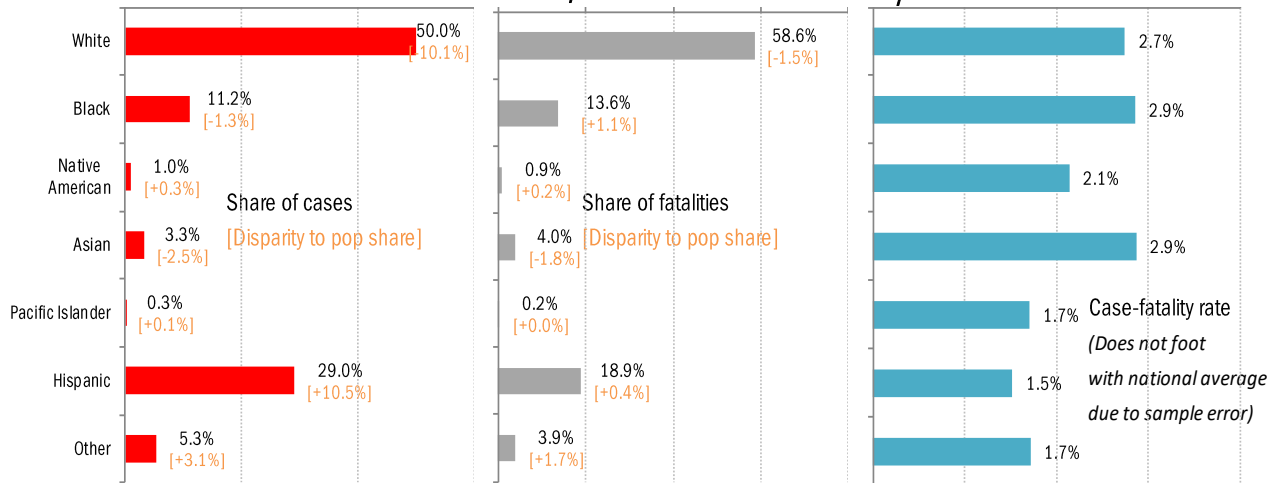


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

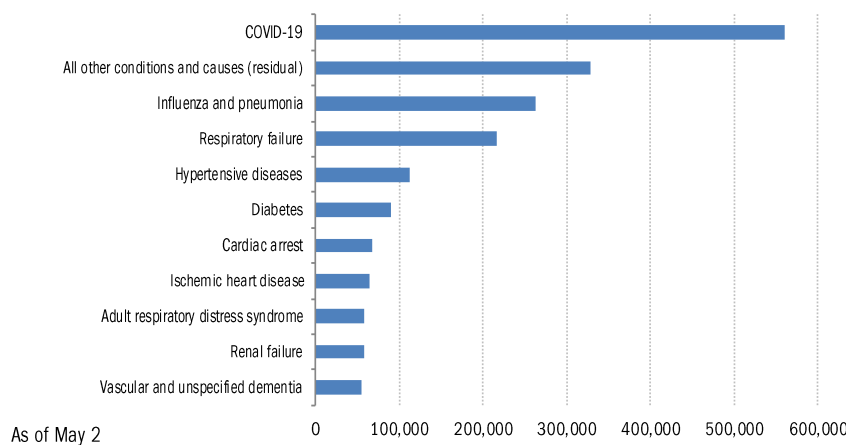


Racial distribution of US cases, fatalities and case-fatality rates



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

[F.D.A. Authorizes Pfizer-BioNTech Vaccine for Children 12 to 15](#)

Apoorva Mandavilli  
*New York Times*  
May 10, 2021

[Fauci says wearing masks may eventually become 'seasonal'](#)

Mark Moore  
*New York Post*  
May 9, 2021

[WORLD WAR FLU China 'probed WEAPONISING coronaviruses five years before Covid outbreak & predicted WW3 fought with bio-weapons'](#)

Henry Holloway  
*The Sun*  
May 7, 2021

[Fauci Says 'No Doubt' U.S. Has Undercounted Covid Deaths](#)

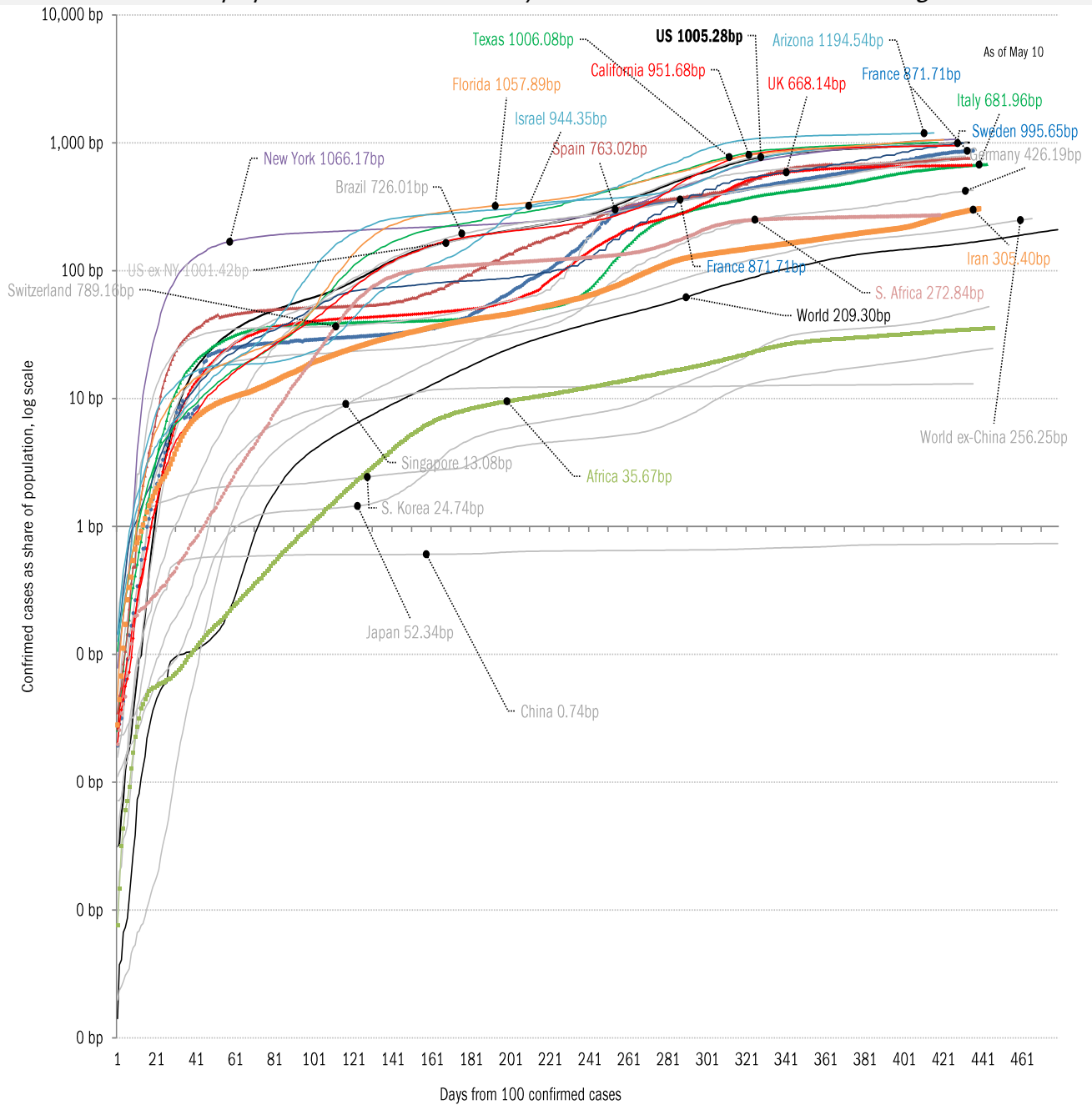
Ros Krasny and Tony Czuczka  
*Bloomberg*  
May 9, 2021

## Meme of the day



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

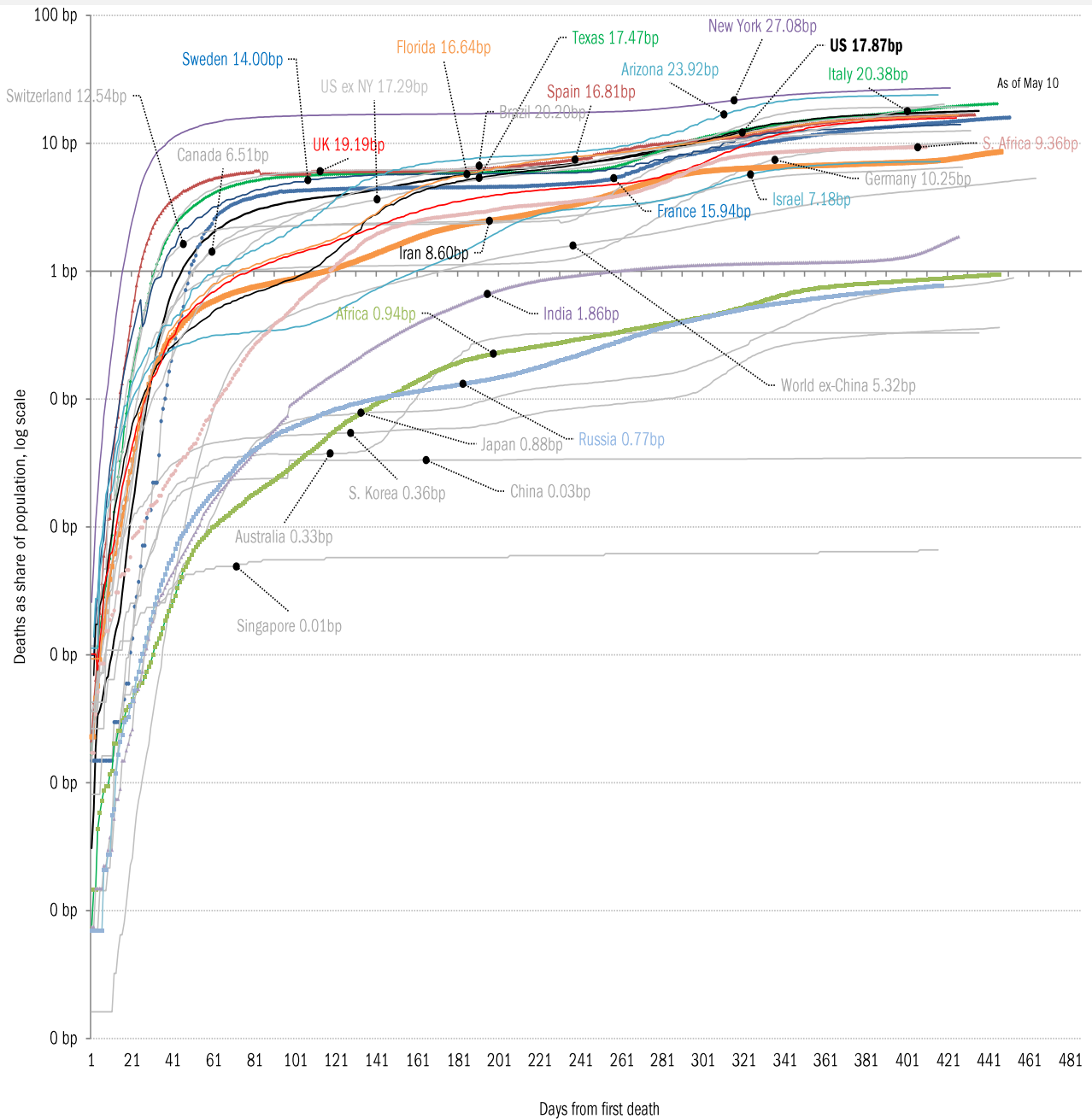
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

## Share of deceased population from day of first fatality



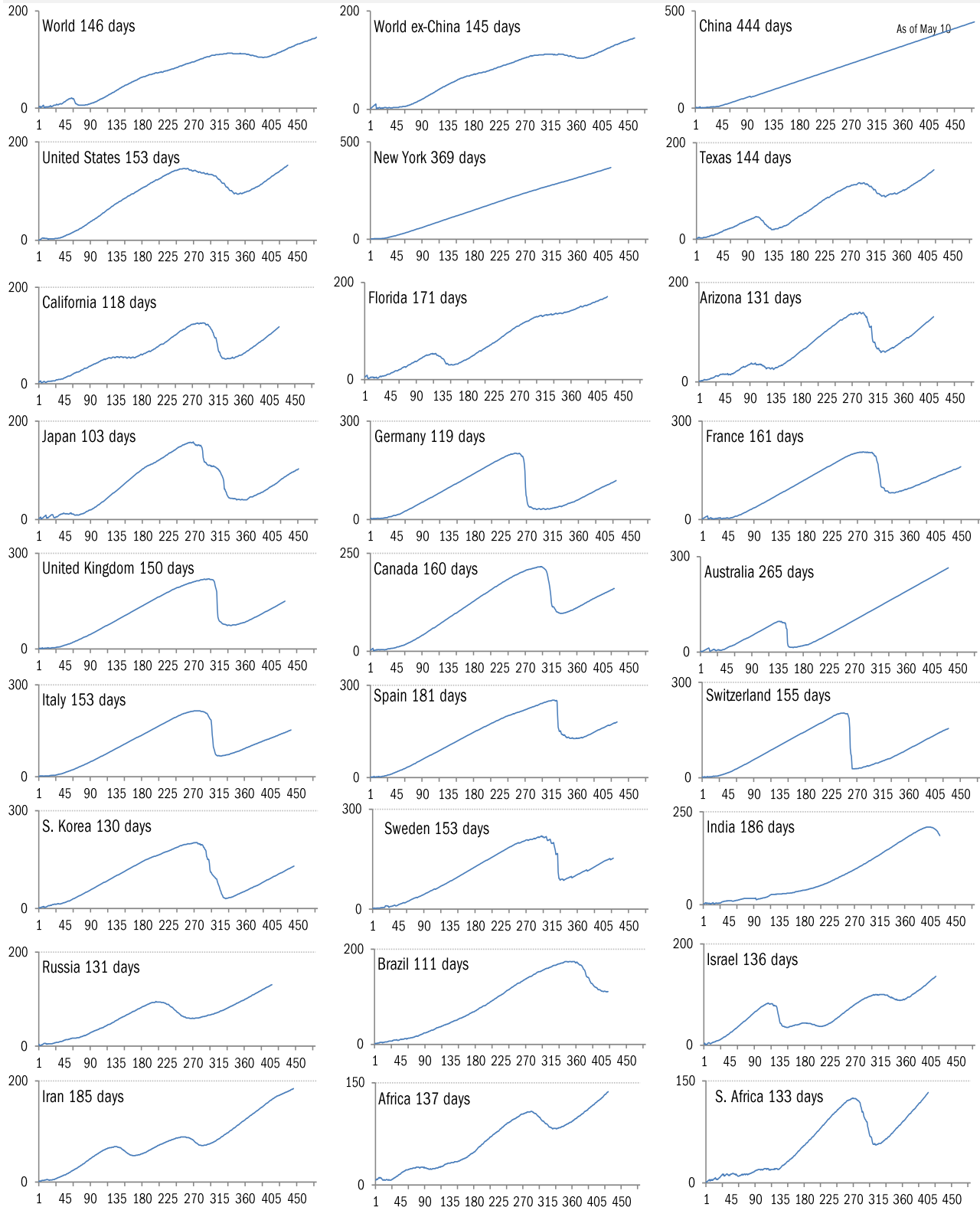
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

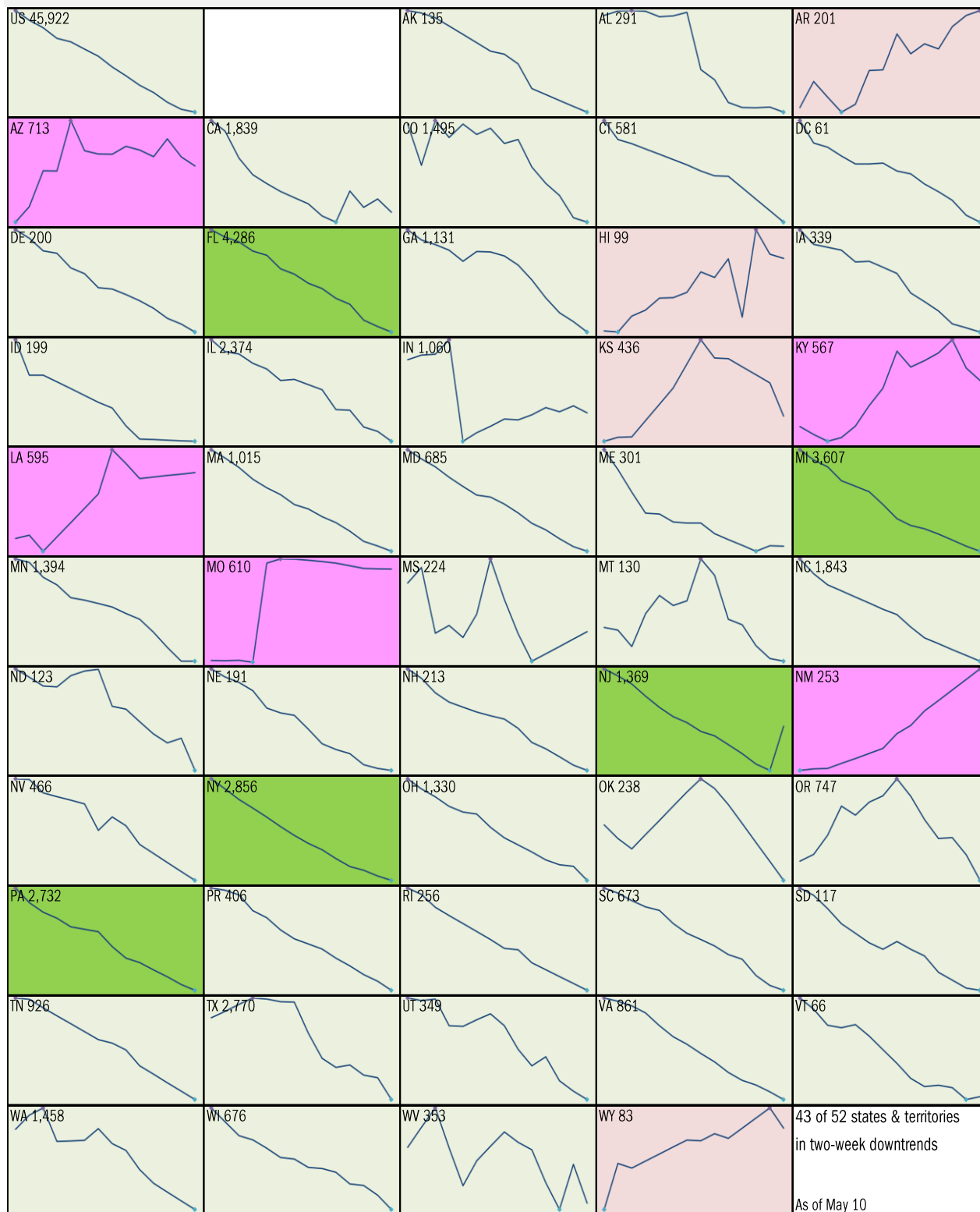
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

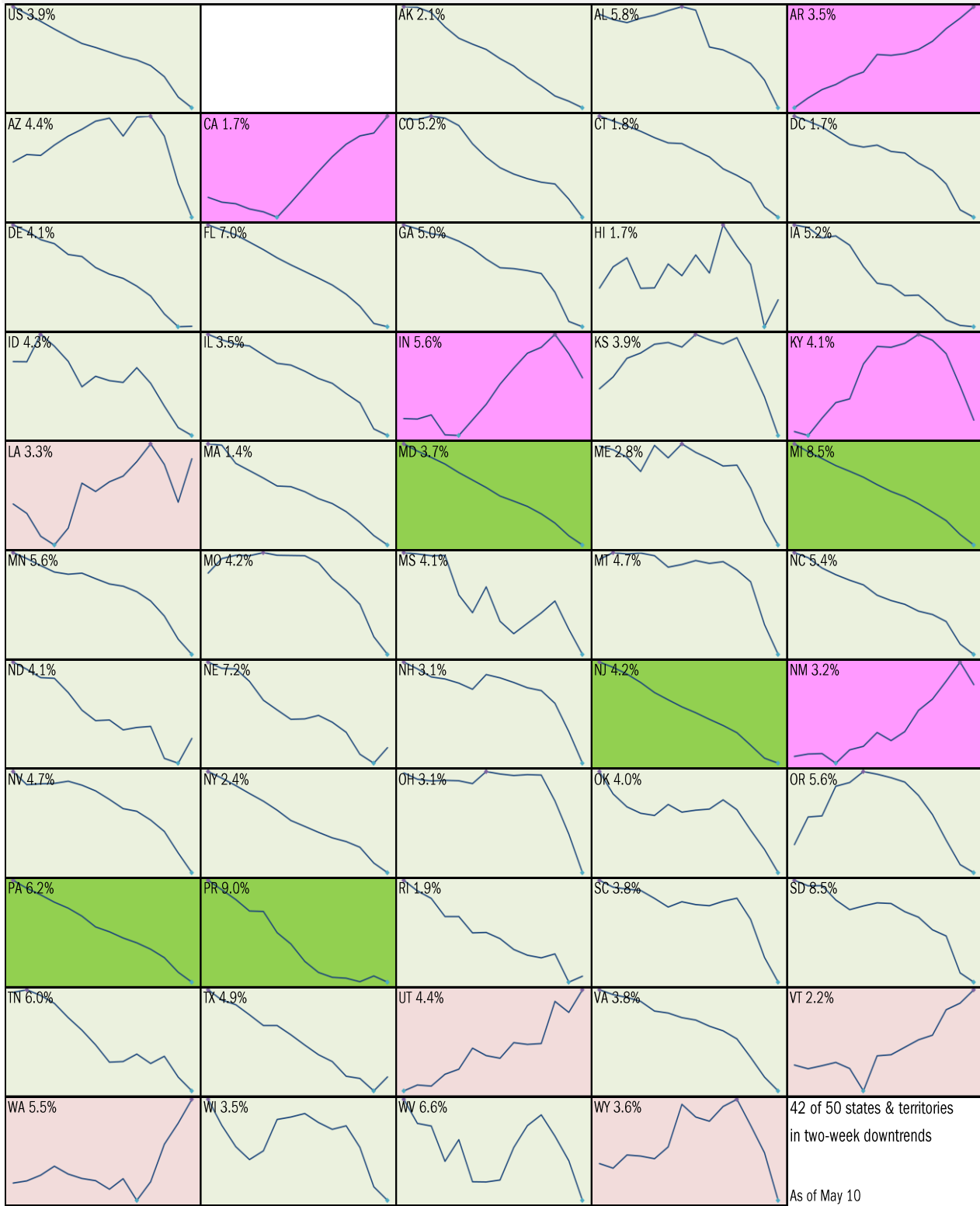
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

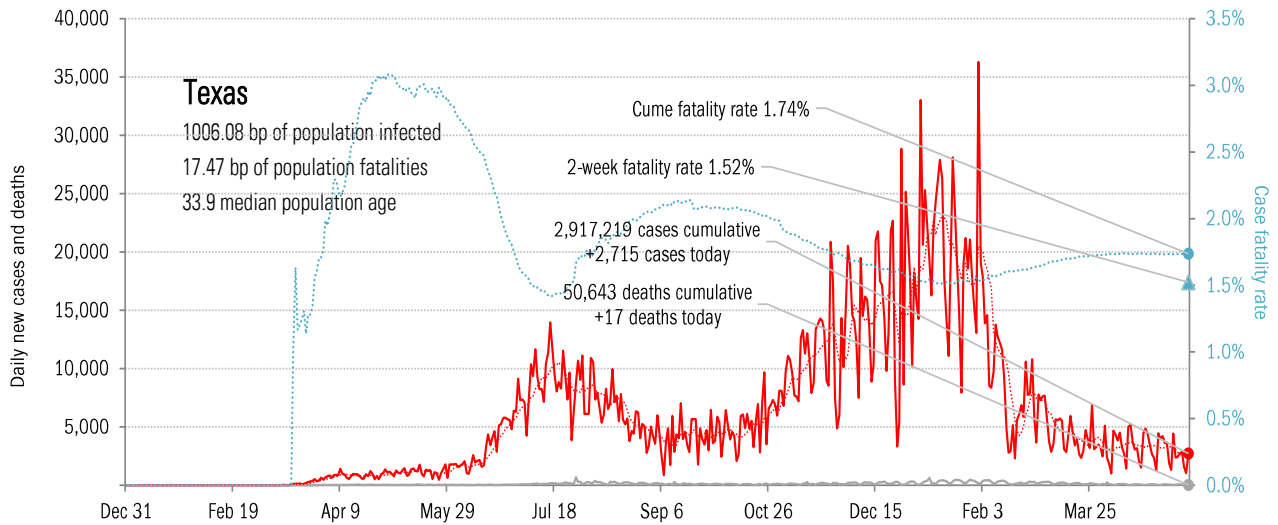
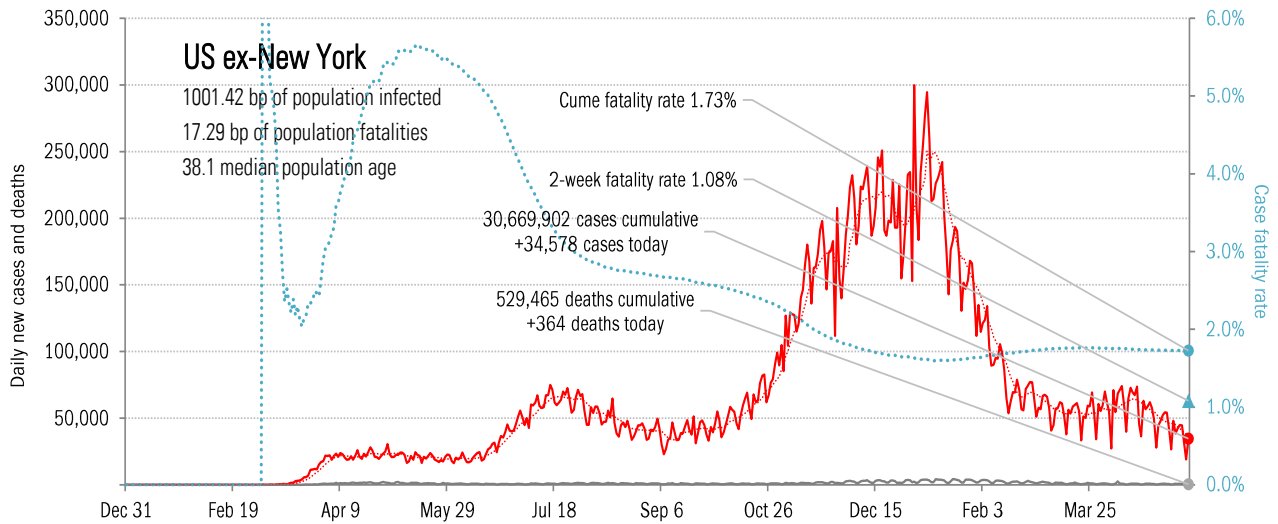
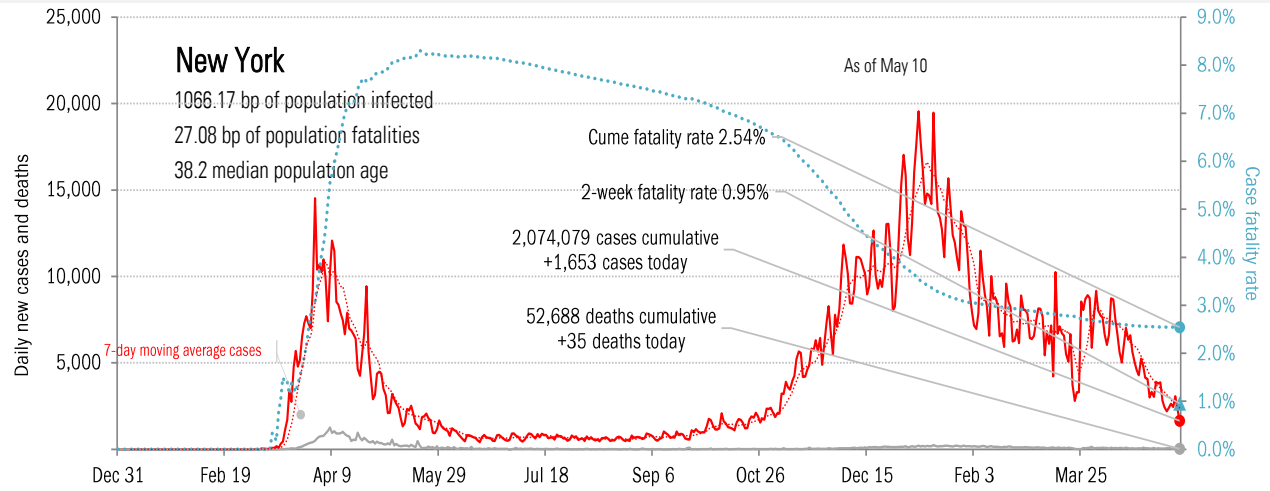
Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

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



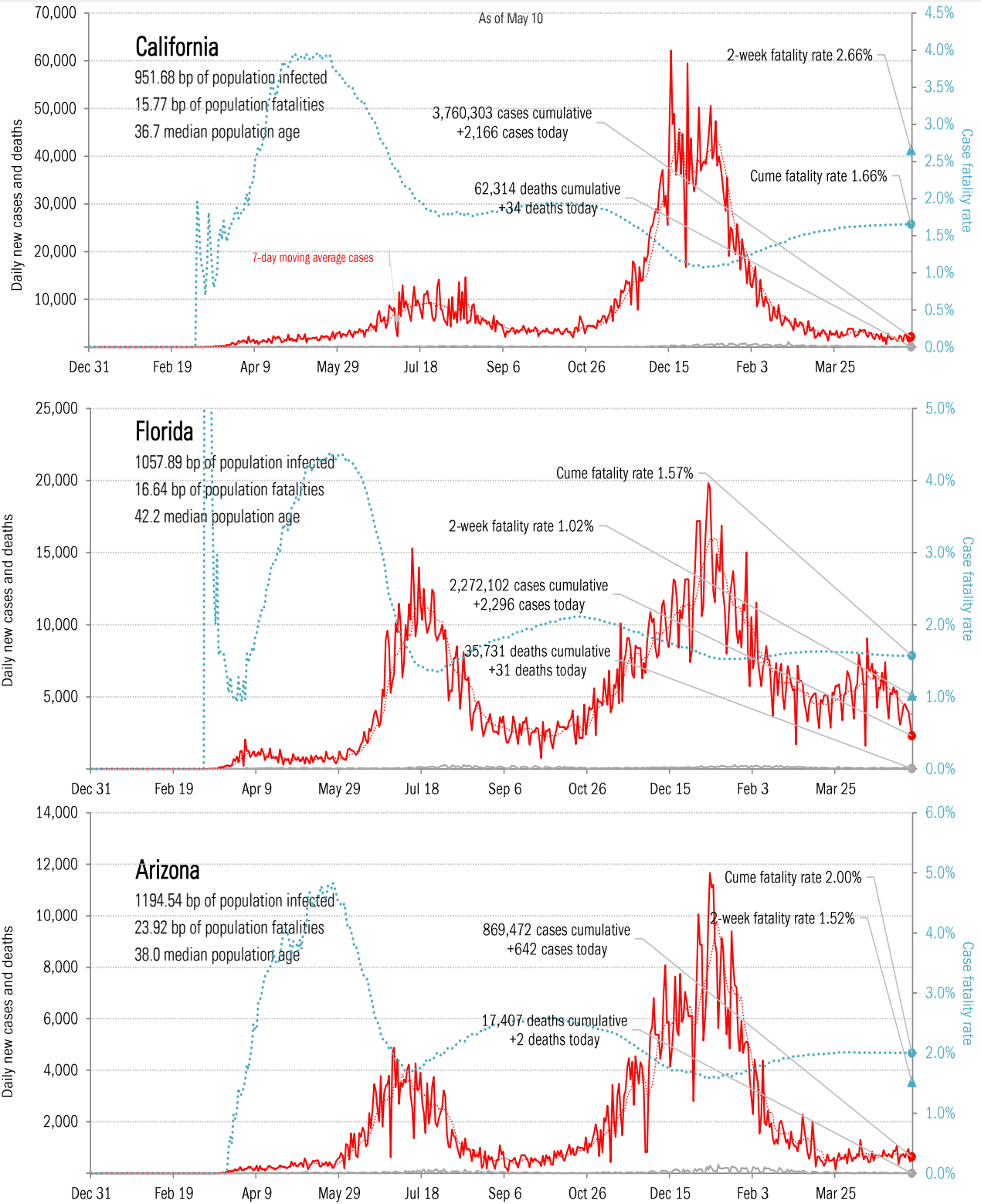
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



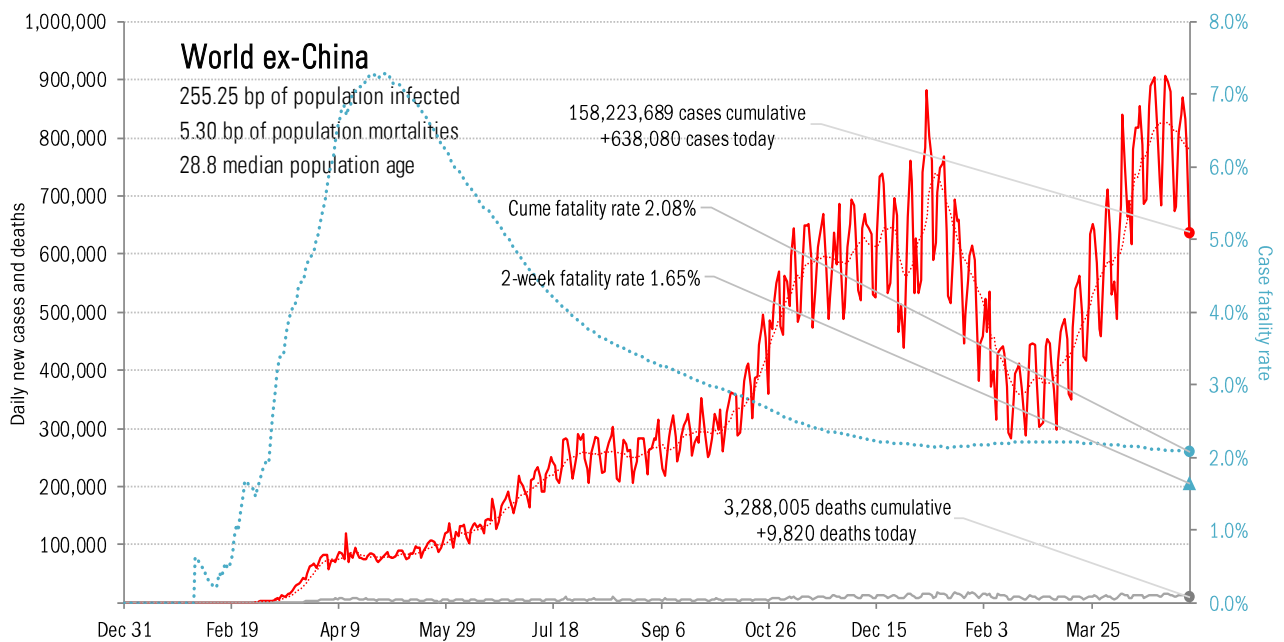
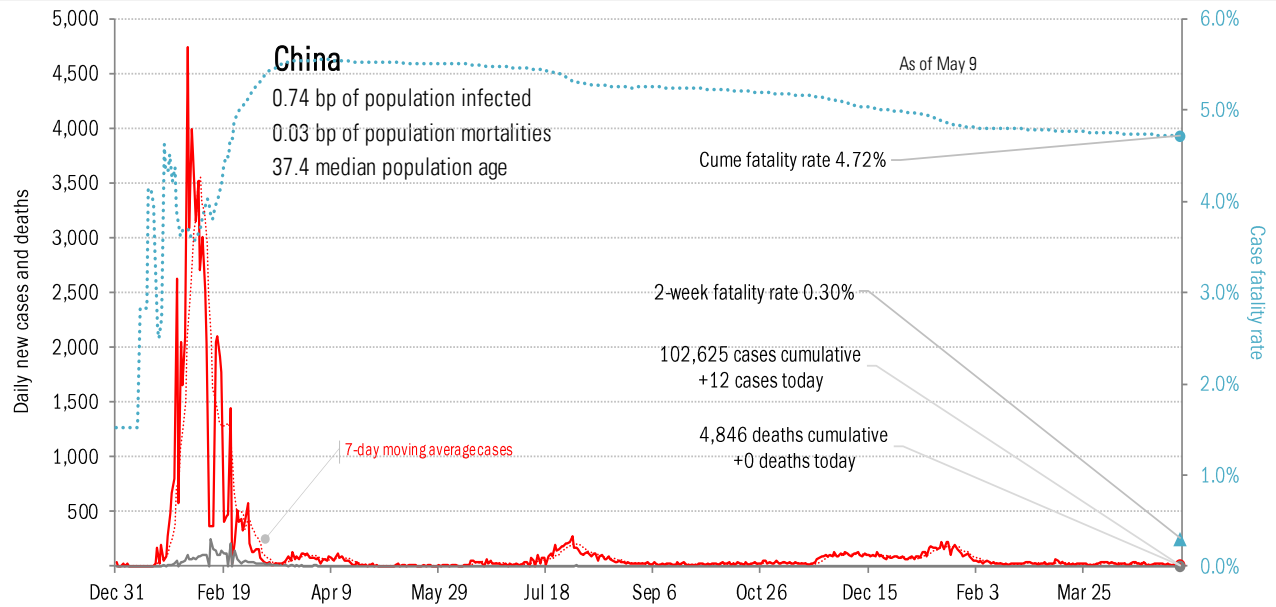
Source: [Johns Hopkins](#), TrendMacro calculations

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



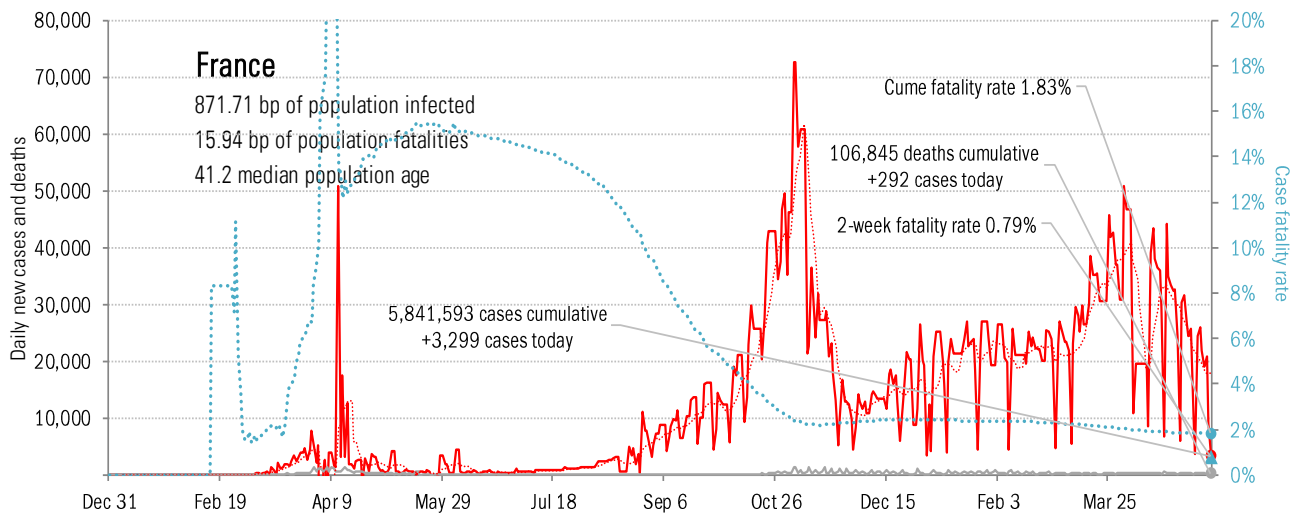
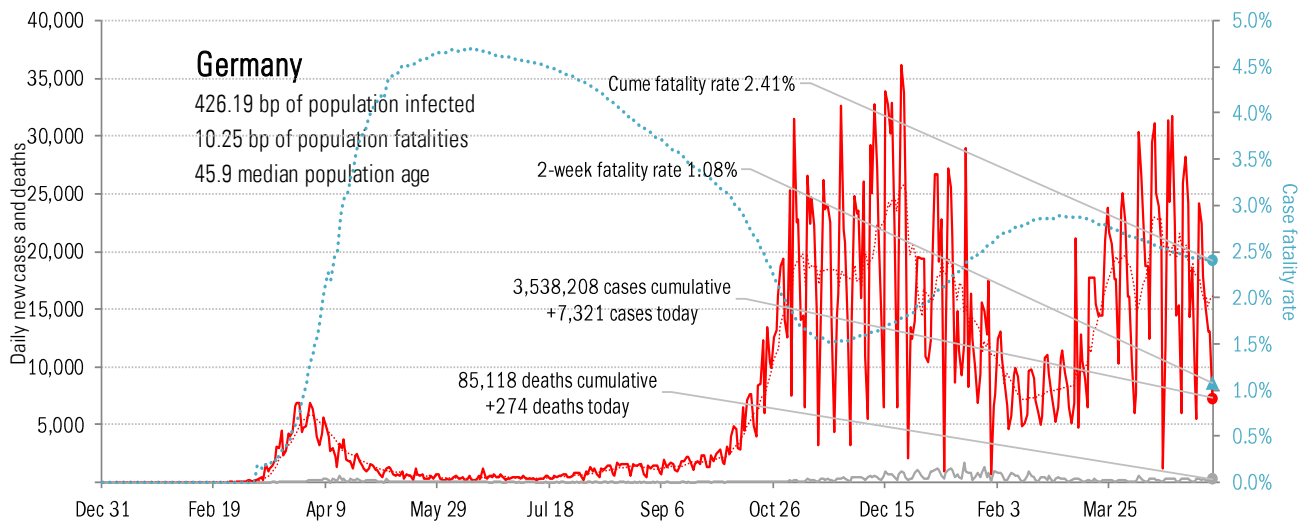
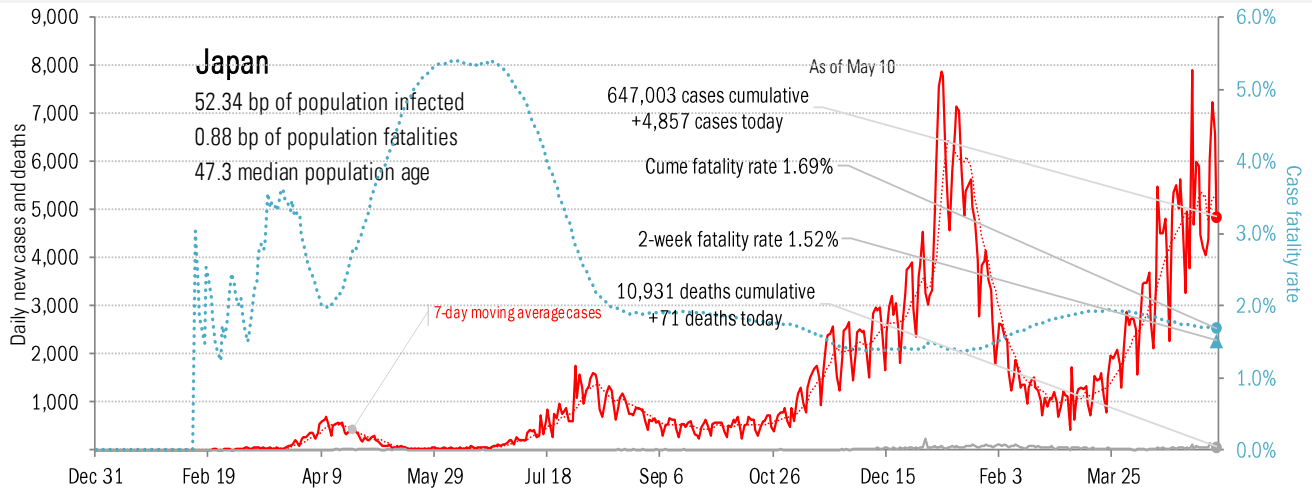
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



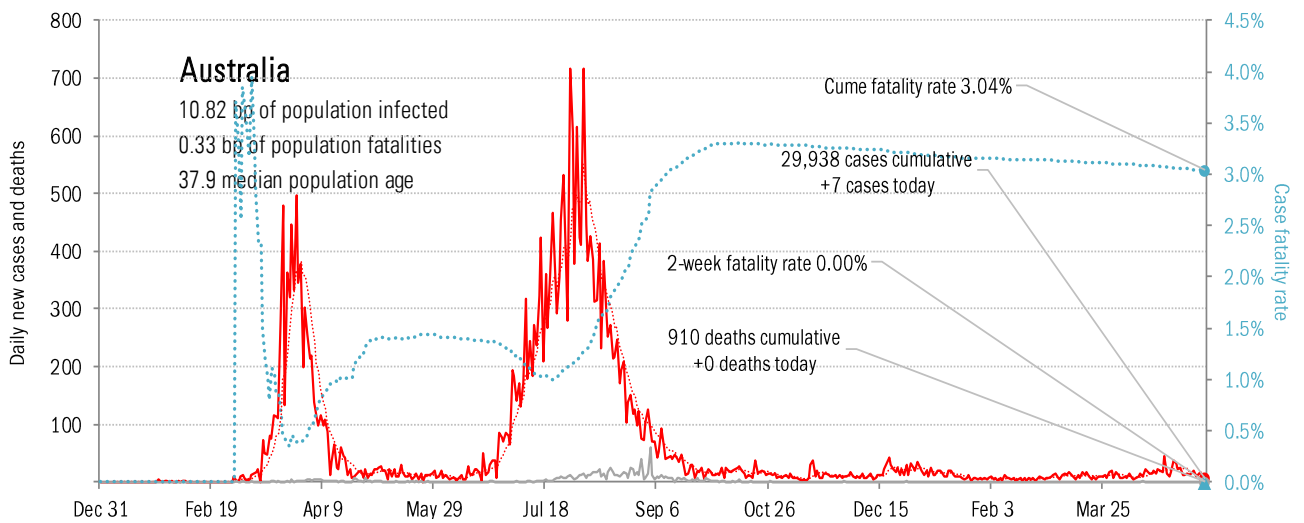
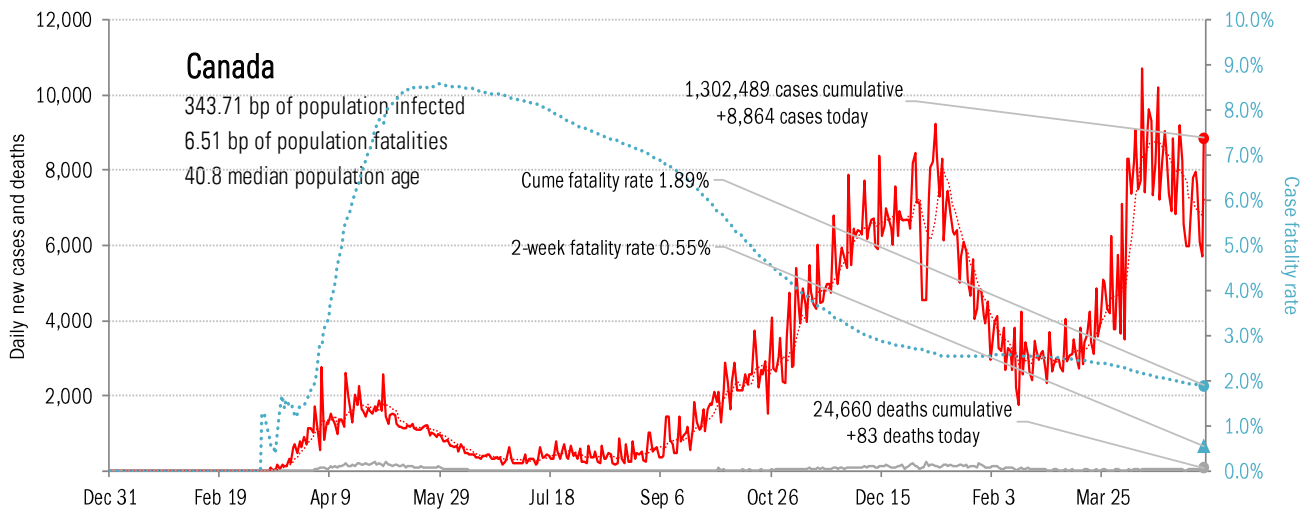
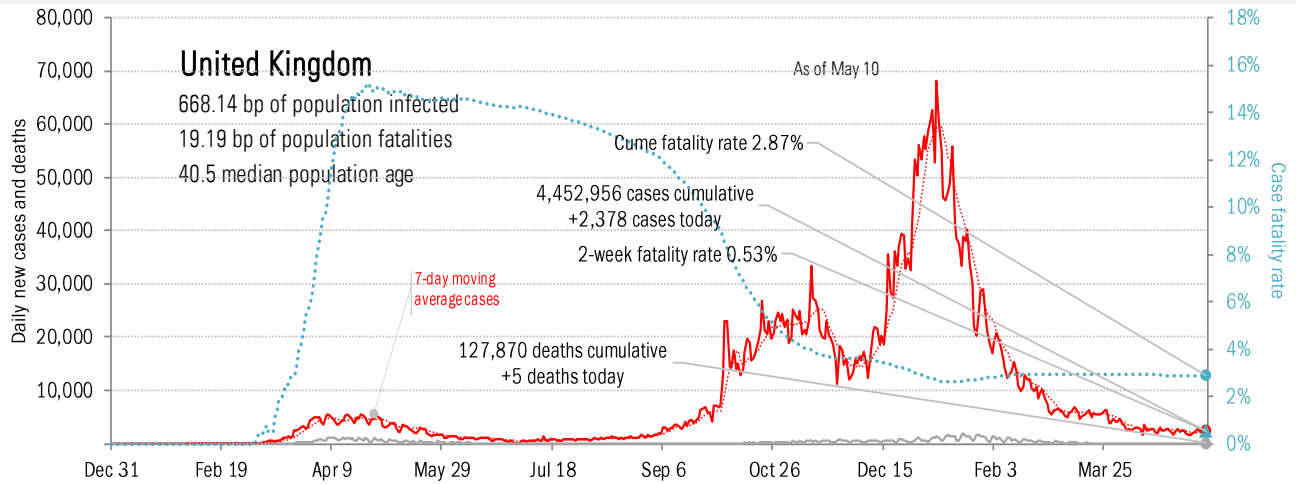
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

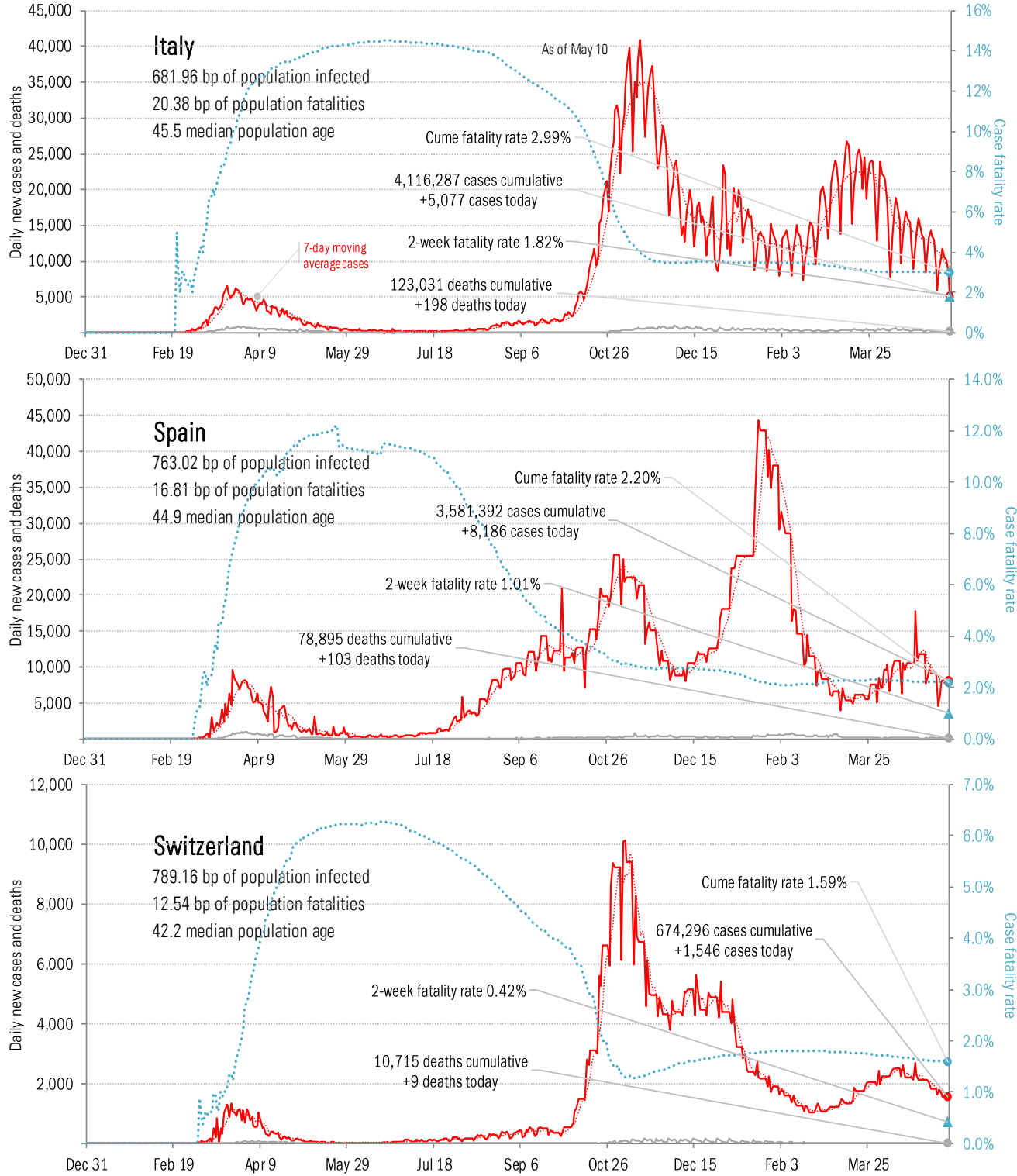
# Impact in The Anglosphere



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

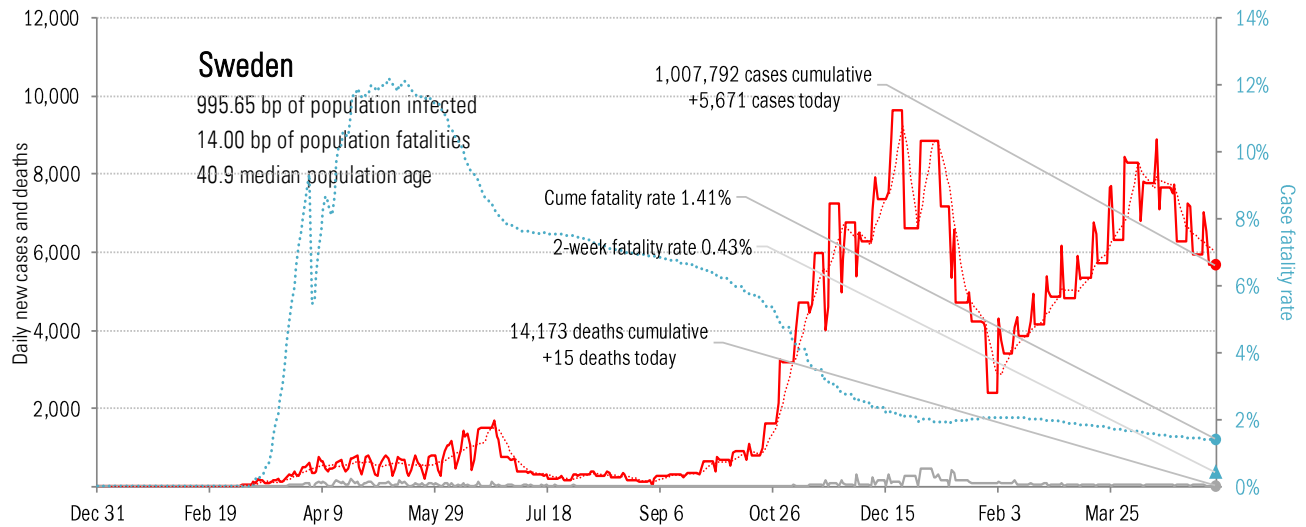
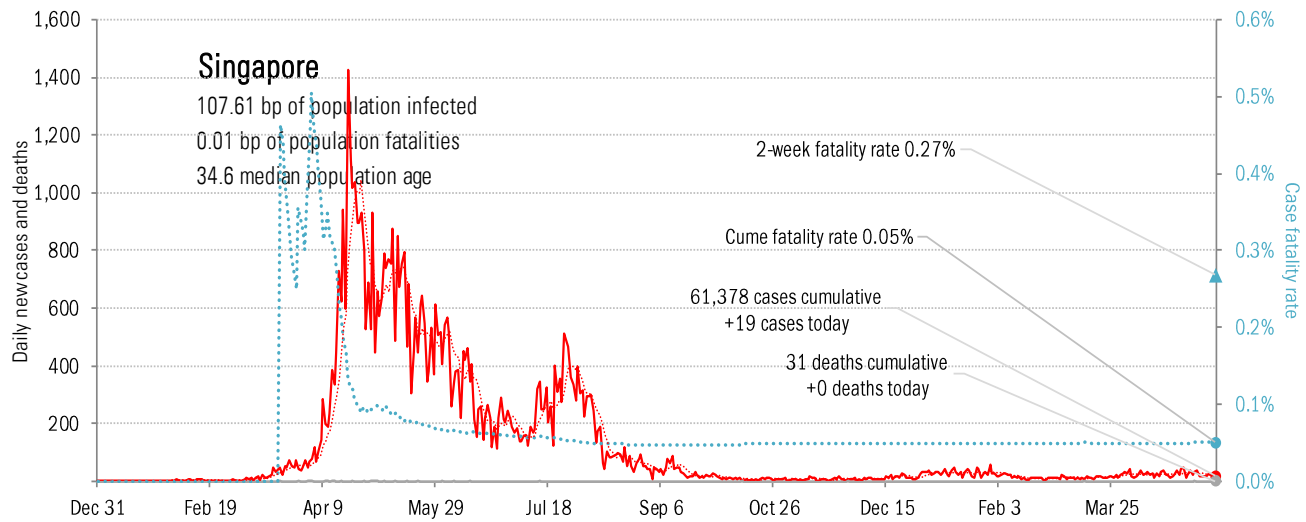
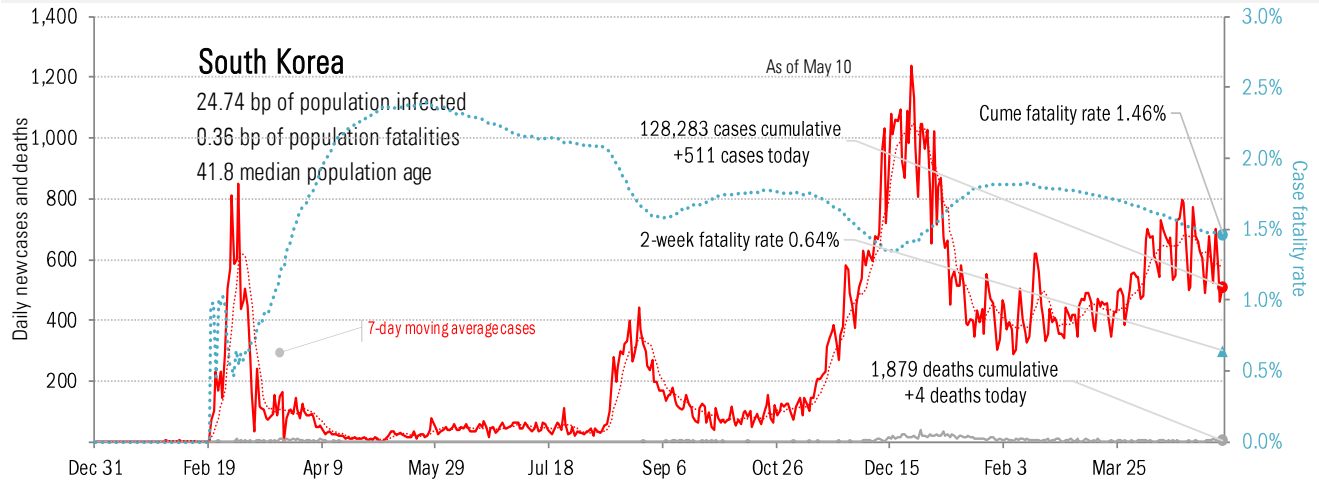


# Impact in continental Europe



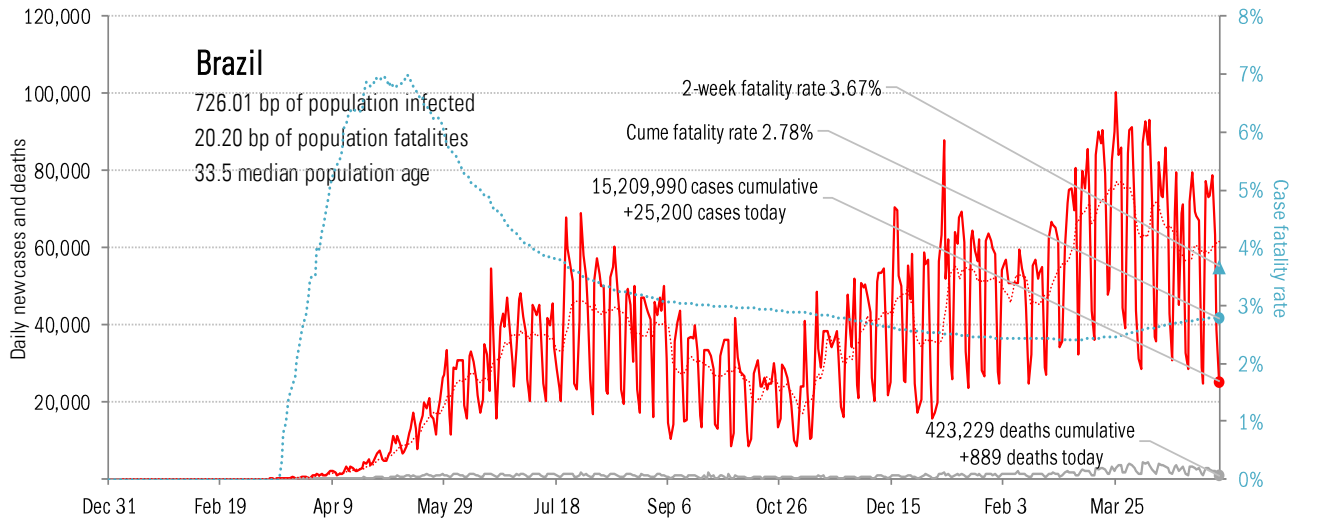
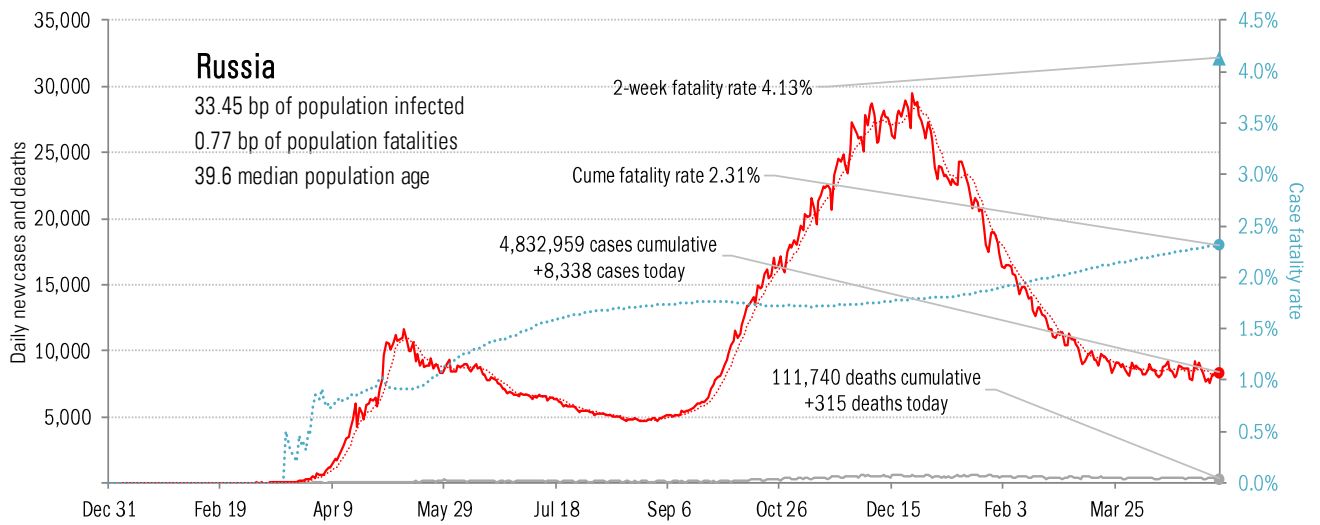
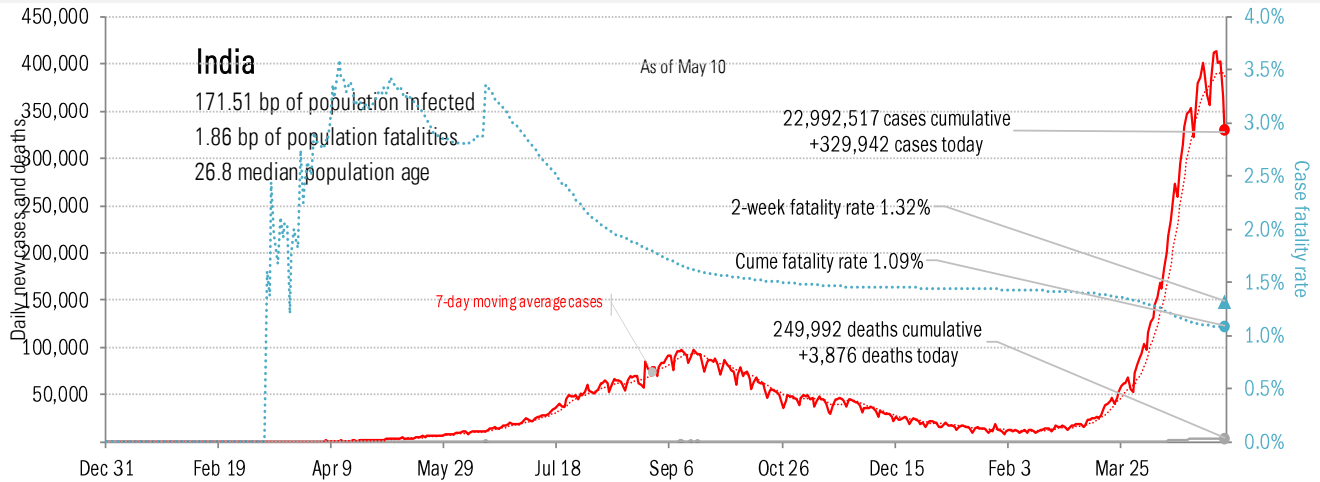
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



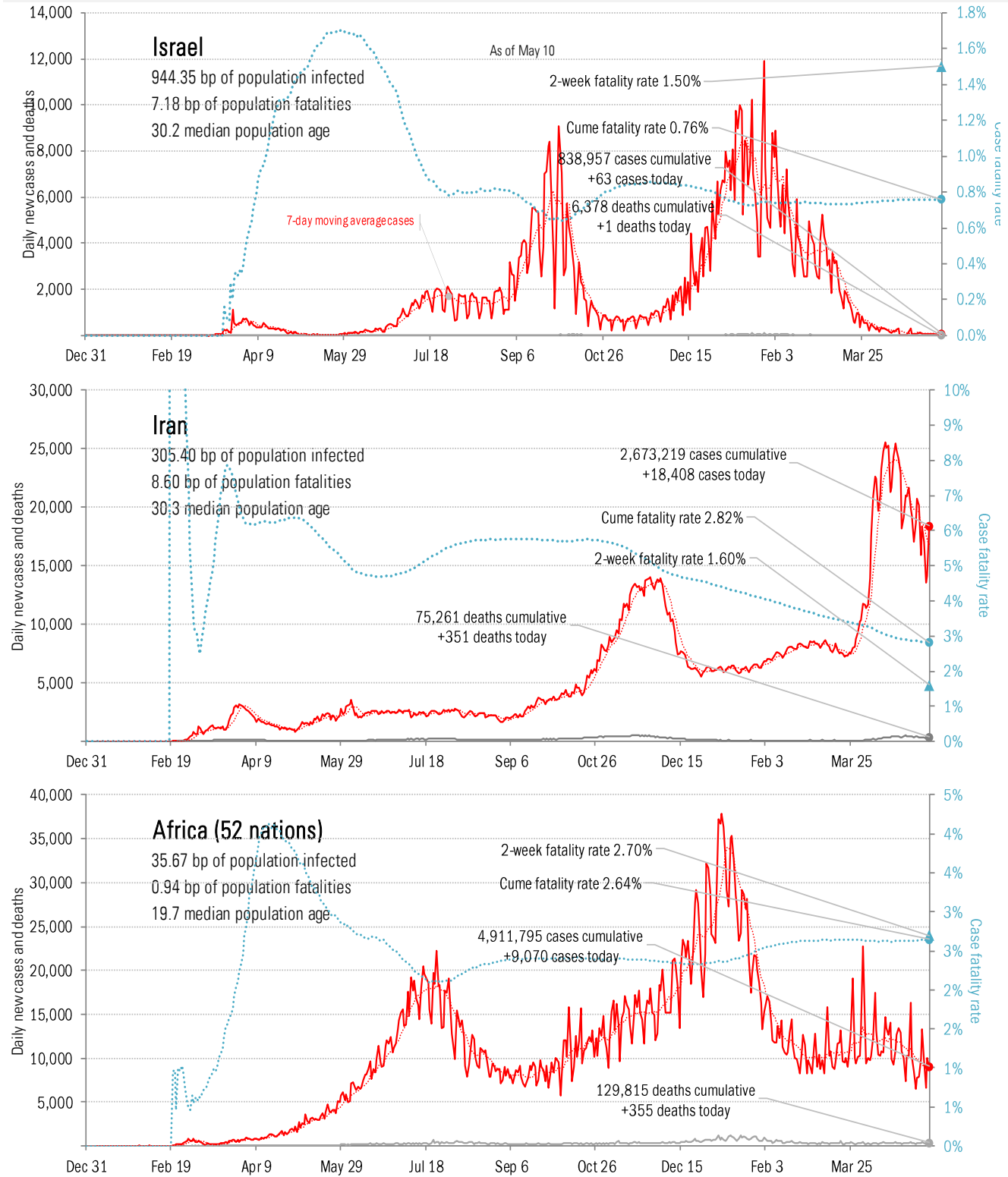
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



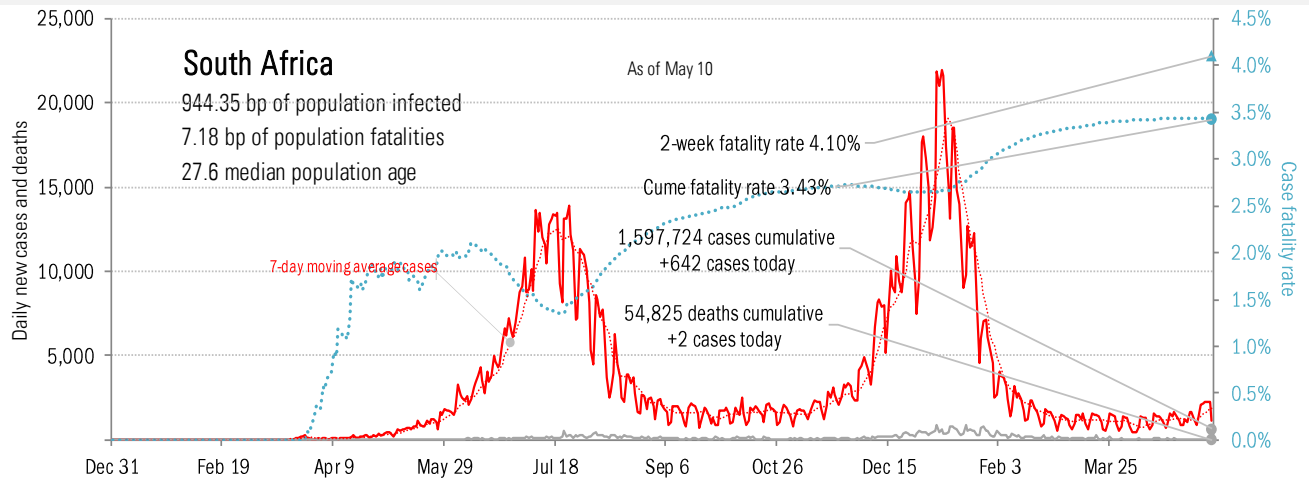
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

## Impact in Africa, continued



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