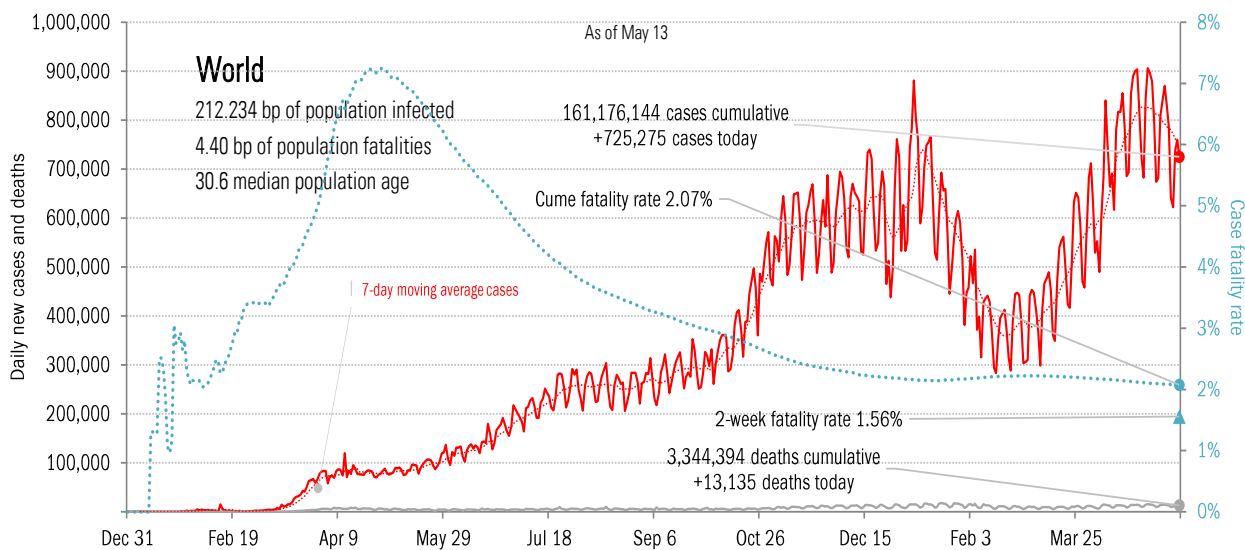
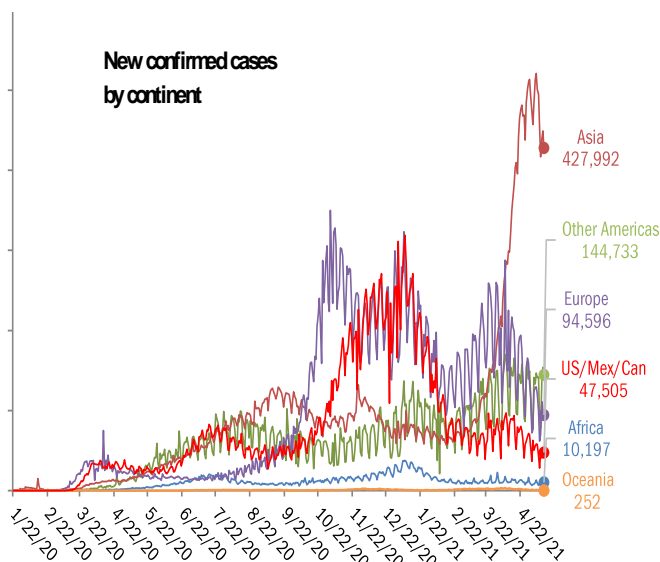


## Data Insights: Covid-2019 Monitor

Friday, May 14, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+343,144	India	+4,000
Brazil	+74,592	Brazil	+2,383
United States	+38,087	United States	+802
Argentina	+26,531	Colombia	+499
France	+19,461	Argentina	+447
Colombia	+19,160	Germany	+402
Iran	+14,246	Russia	+385
Germany	+13,631	Ukraine	+353
Turkey	+11,534	Poland	+342
Nepal	+8,842	Mexico	+311
<b>+569,228</b>		<b>+9,924</b>	
World	+725,275	World	+13,135
Top ten	78%	Top ten	76%



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

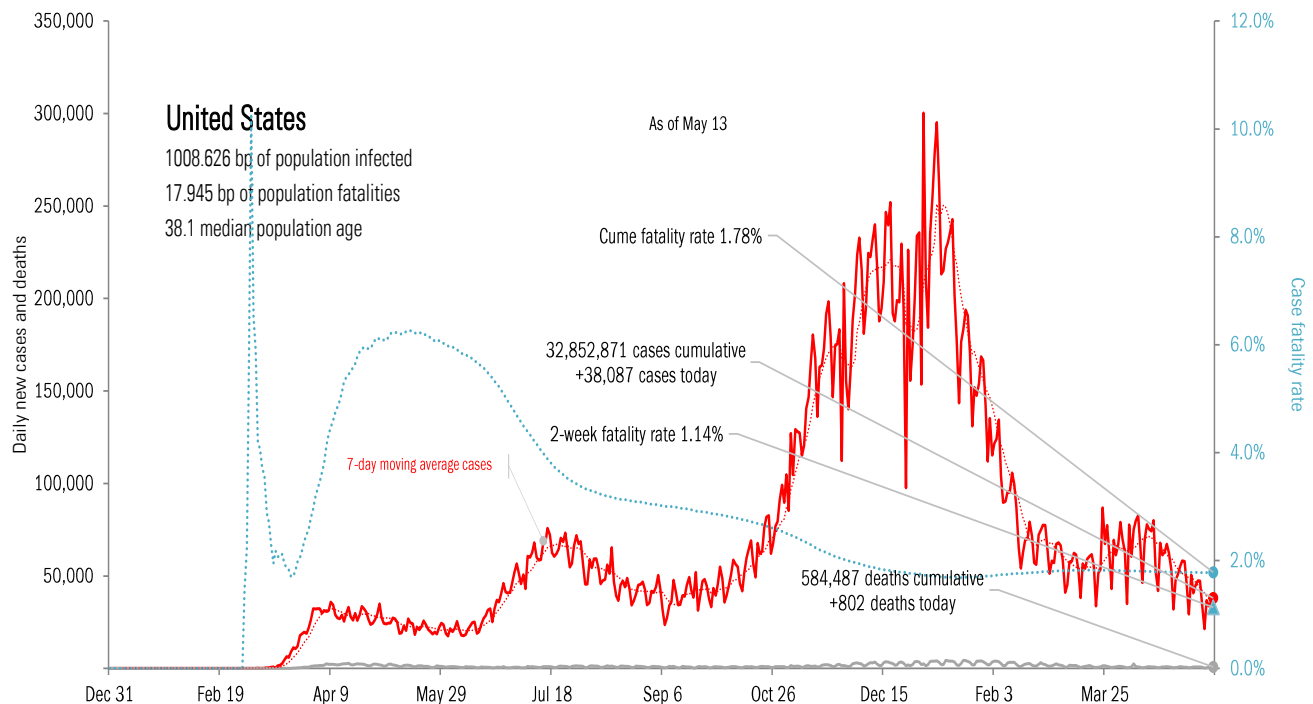
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+4,064		MI	+118		IL	+49		CA	3,764,405		CA	62,573		TX	242,383		RI	88%	MI	27%
PA	+2,569		CA	+101		GA	+28		TX	2,924,766		NY	52,866		CA	232,240		MA	84%	ME	19%
MI	+2,370		PA	+57		CA	+14		FL	2,282,613		TX	50,840		FL	172,361		PA	83%	MD	19%
NY	+2,186		TX	+55		CO	+14		NY	2,079,749		FL	35,929		NY	130,736		MD	82%	CO	18%
TX	+2,086		FL	+47		CR	+14		IL	1,361,569		PA	26,666		GA	103,963		MI	81%	MN	16%
IL	+1,918		NY	+41		CH	+12		PA	1,182,589		NJ	25,906	#N/A	0		CT	81%	VA	15%	
CO	+1,846		IL	+31		KY	+10		GA	1,113,411		IL	24,671		CH	169,493		MO	80%	RI	14%
NC	+1,394		NE	+29		NC	+8		CH	1,088,343		GA	20,450		IL	77,815		FL	79%	PA	14%
WA	+1,362		VA	+27		NH	+7		NJ	1,009,521		MI	19,646		KY	73,238		GA	79%	IL	14%
CH	+1,161		NJ	+24		WI	+7		NC	987,837		CH	19,441		MI	68,014		DC	79%	ID	14%
<b>+20,956</b>			<b>+530</b>			<b>+163</b>			<b>17,794,803</b>			<b>338,988</b>			<b>1,270,243</b>						
All states	+38,087			+802			-205		All states	32,852,871			584,487			2,277,129		All states	70%		67%
Top ten	55%			66%			-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	
TX	-551	CK	-46	LA	-130	NH	+175 bp
MI	-395	GA	-23	AZ	-51	NM	+86 bp
CA	-378	FR	-19	MO	-32	MA	+66 bp
KS	-362	NJ	-17	TN	-28	ME	+65 bp
CH	-288	NY	-14	AR	-26	RI	+65 bp



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

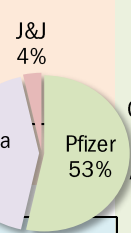
# Rolling out the vaccines in the US and th

The CDC did not correctly update its US vaccination data this morning, and apparently it has no system in place to detect the obvious errors. We are working with them to resolve it, but at the time of publication we are unable to update this page.

## US overall

349.26 million doses distributed  
 273.28 million doses administered  
 158.27 million persons partially immunized  
 121.29 million persons fully immunized

+1.58 million/day  
 +0.55 million/day  
 +1.09 million/day



UK	27.2%	52.6%
France	12.4%	27.5%
Spain	13.9%	30.6%
Germany	9.9%	34.1%
Italy	13.1%	29.3%
Australia	1.8%	0.6%
Israel	58.8%	62.7%
Canada	3.5%	41.3%
Japan	1.1%	3.0%
Africa	0.4%	1.2%
India	2.8%	10.0%
Brazil	7.5%	15.7%

**78.2% of distributed doses administered**  
**47.4% of US pop partial**      **36.3% full immunity**

At today's dosing pace,  
 every American >18 immune in  
**128 days**  
 by Sep 17, 2021  
 57.4% of population >18 immunized  
 13.8% previously tested positive  
**71.2%** vs 60% adult herd immunity\*

Global data differs from sources, timing

AK
57.8%
43.1%
37.2%

State
Immunities distributed as % population**
At least partial immunity as % population
Full immunity as % population

Best  
 Middle  
 Worst

WI
50.8%
47.5%
40.0%

ME
61.8%
57.9%
46.6%

WA	ID	MT	ND	MN	IL	MI	NY	MA		
56.1%	45.0%	51.6%	45.9%	52.8%	54.4%	55.2%	55.9%	63.5%		
50.5%	35.5%	42.3%	40.2%	49.9%	49.5%	44.9%	50.7%	61.1%		
37.9%	29.9%	35.1%	34.5%	39.5%	34.9%	36.8%	40.8%	44.1%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
56.2%	46.0%	45.2%	55.0%	50.8%	46.3%	50.3%	57.7%	58.0%	61.1%	65.3%
49.1%	41.8%	35.0%	45.8%	45.9%	38.4%	42.3%	53.3%	54.9%	57.9%	55.6%
36.8%	32.3%	29.9%	40.1%	39.0%	30.9%	36.6%	37.3%	42.3%	45.9%	42.8%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
57.8%	46.9%	56.4%	51.3%	47.9%	48.7%	50.8%	55.5%	59.9%	58.5%	
52.0%	41.8%	49.3%	45.3%	39.3%	42.9%	37.2%	50.3%	51.9%	49.7%	
36.2%	28.0%	39.1%	38.4%	31.3%	35.1%	32.3%	38.5%	40.2%	37.9%	
AZ	NM	KS	AR	TN	NC	SC	DC			
53.1%	54.3%	51.7%	47.6%	44.3%	53.0%	49.1%	70.3%			
42.9%	53.4%	44.1%	37.0%	36.2%	40.7%	38.2%	52.4%			
32.5%	42.2%	35.5%	28.3%	28.4%	33.0%	30.7%	36.6%			
OK	LA	MS	AL	GA						
51.2%	43.1%	44.9%	46.6%	49.9%						
39.6%	33.7%	32.3%	33.9%	36.9%						
31.7%	29.0%	25.5%	26.2%	28.3%						
TX	FL	PR								
51.5%	55.5%	58.4%								
40.1%	44.7%	43.6%								
30.9%	33.8%	29.3%								

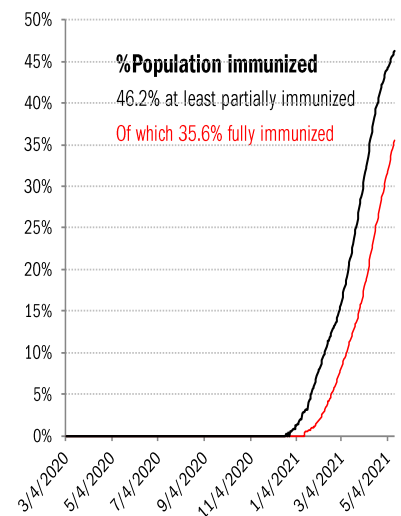
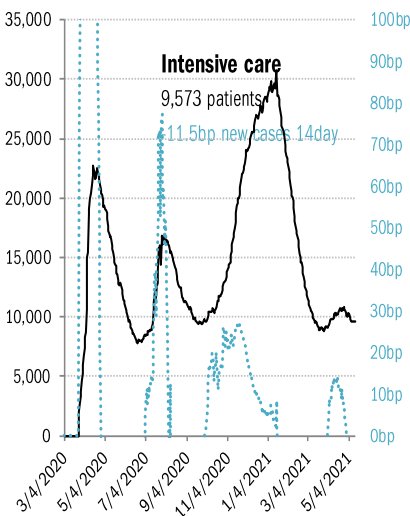
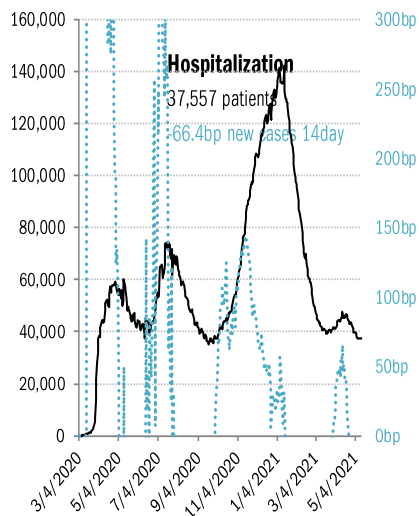
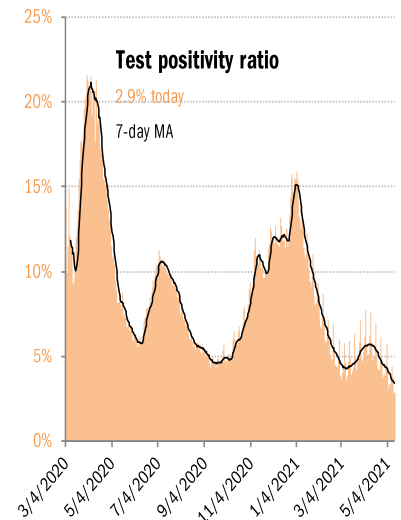
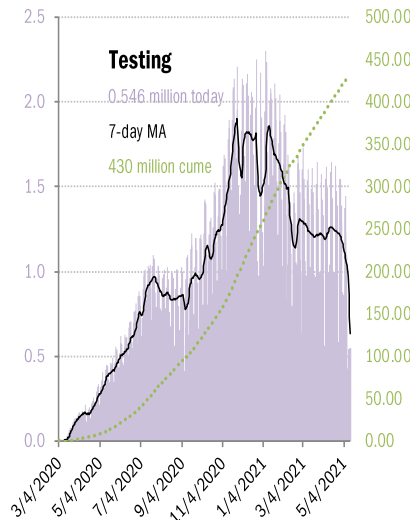
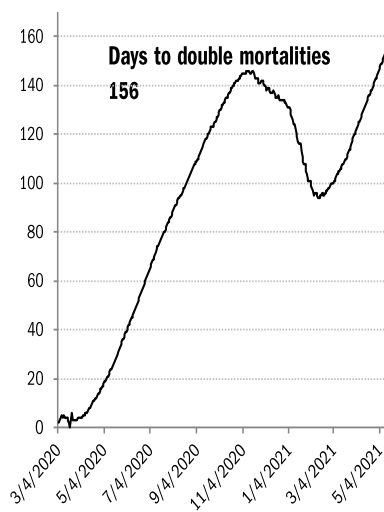
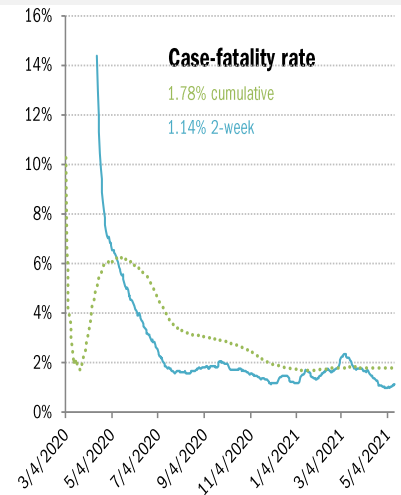
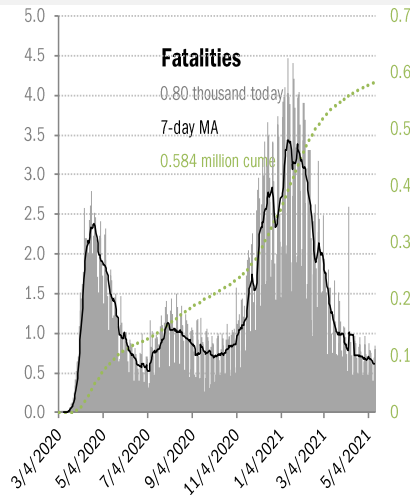
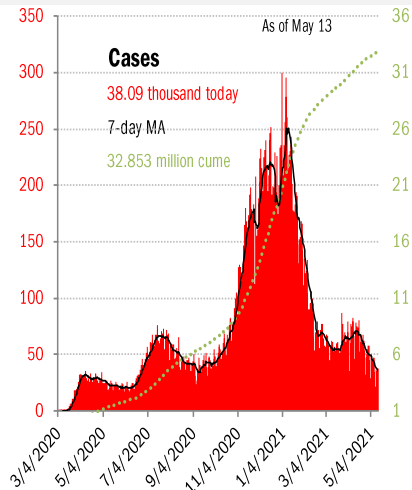
As of May 12

\* 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

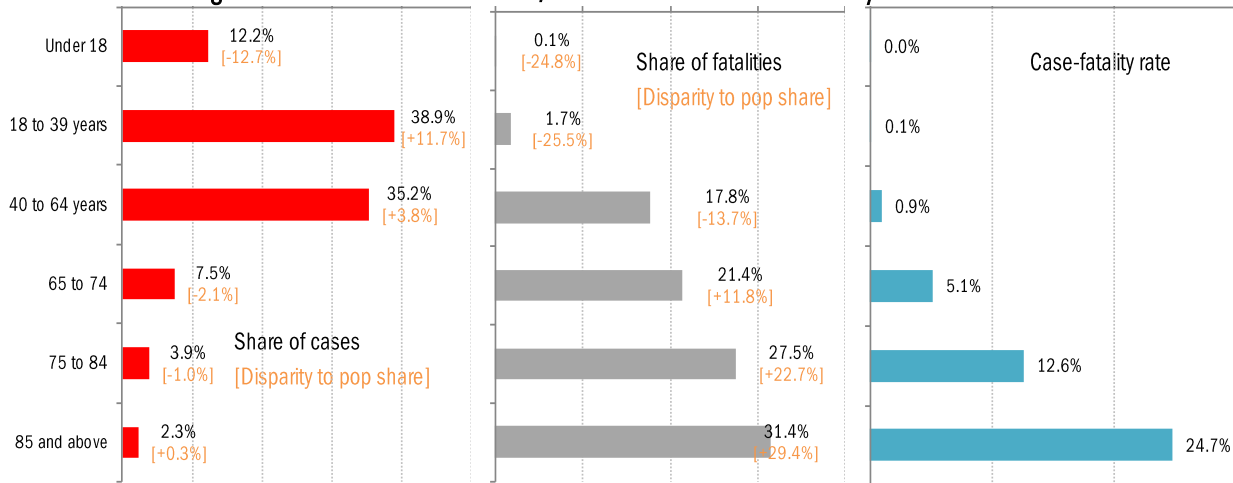
# US deep-dive

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

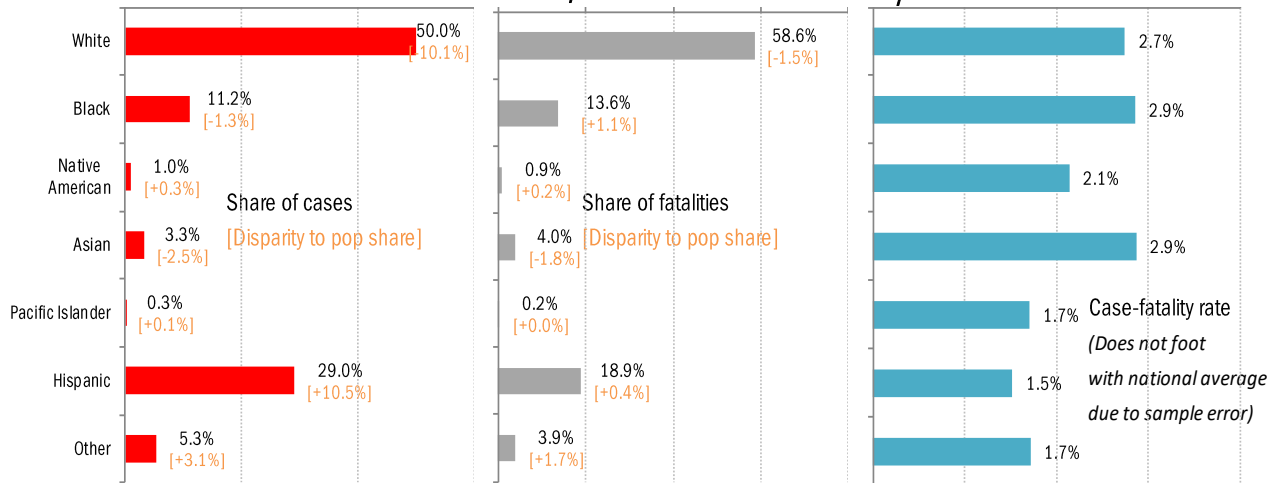


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

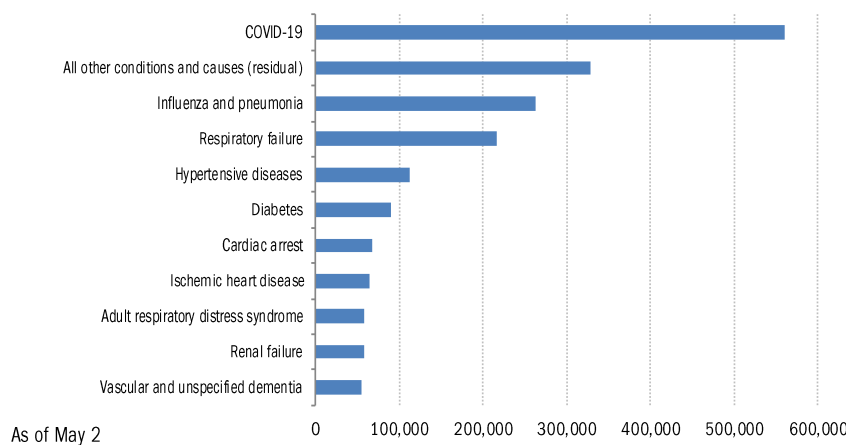


Racial distribution of US cases, fatalities and case-fatality rates



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

[Fully Vaccinated People Can Stop Wearing Face Masks and End Physical Distancing in Most Settings, CDC Says](#)

Brianna Abbott  
*Wall Street Journal*  
May 13, 2021

[Modi Declared Victory, Then Covid Struck Back With a Vengeance](#)

Sadanand Dhume  
*Wall Street Journal*  
May 13, 2021

[An approach to COVID-19 vaccination equity for Black neighborhoods](#)

*Penn Today*  
April 12, 2021

[Gov. DeSantis will pardon ALL Floridians being prosecuted for failing to wear masks or socially distance as he surprises couple on Fox with the announcement after they were arrested for not enforcing COVID rules at their gym](#)

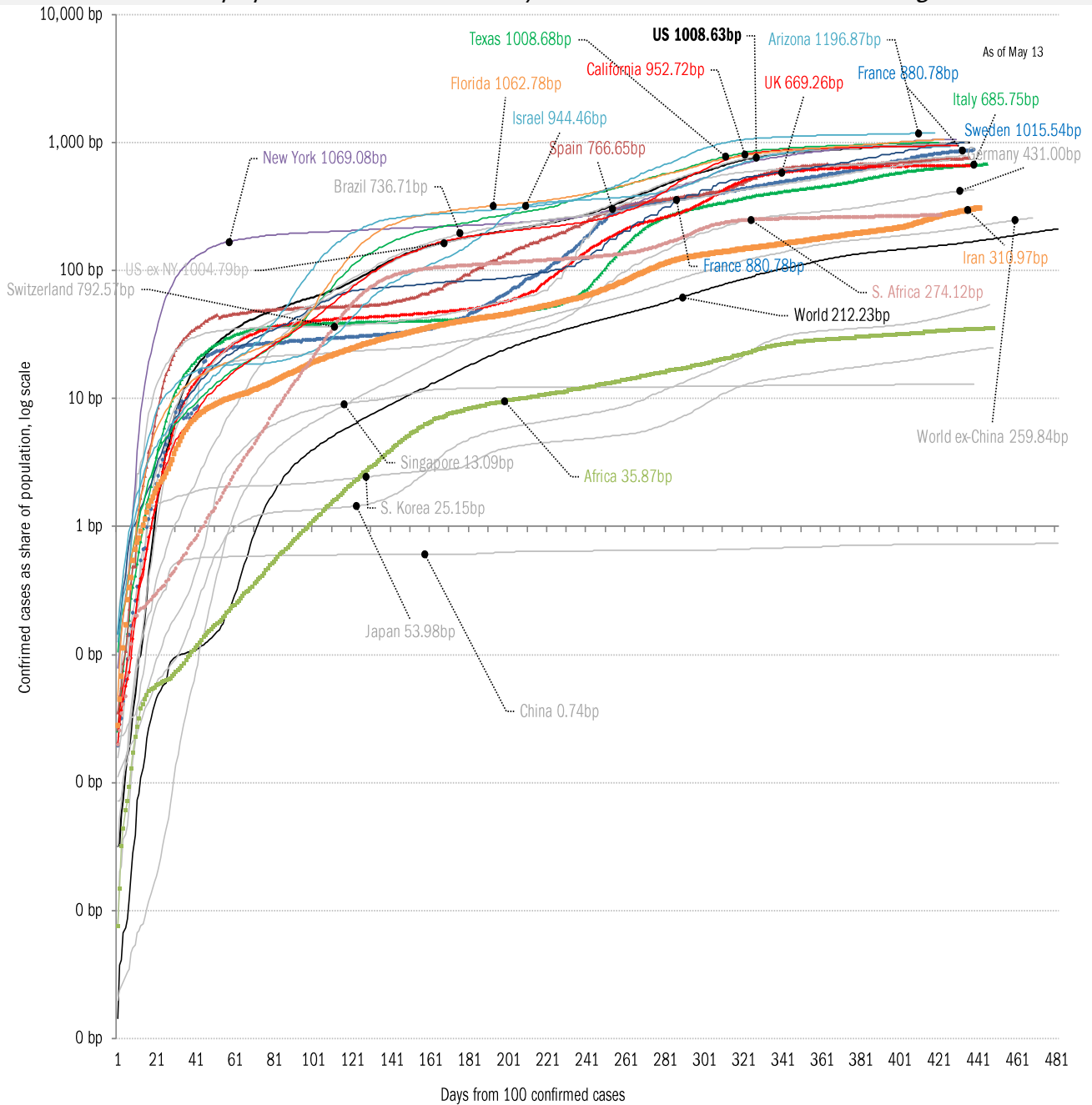
Harriet Alexander  
*Daily Mail*  
May 13, 2021

## Meme of the day



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

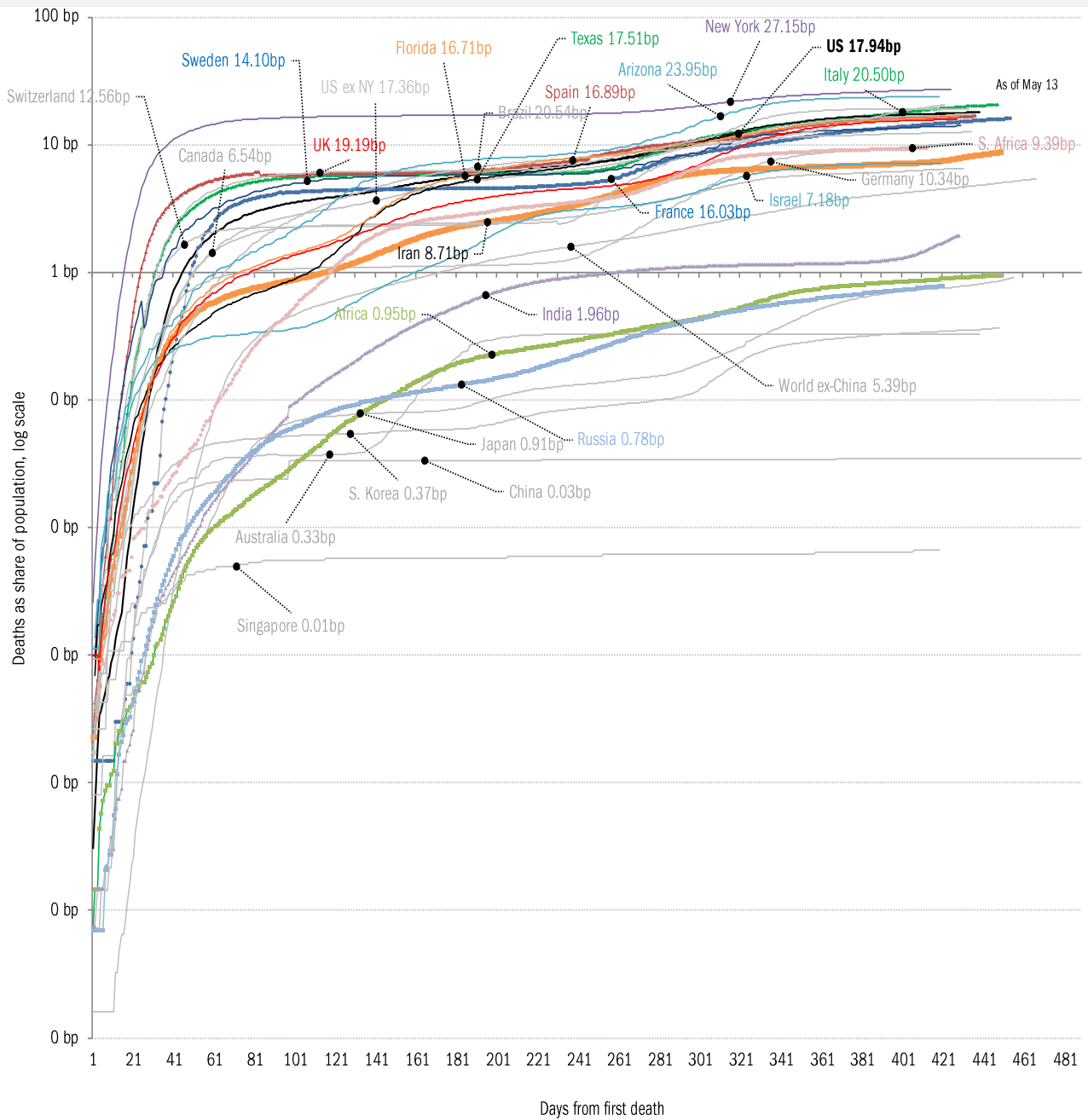
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

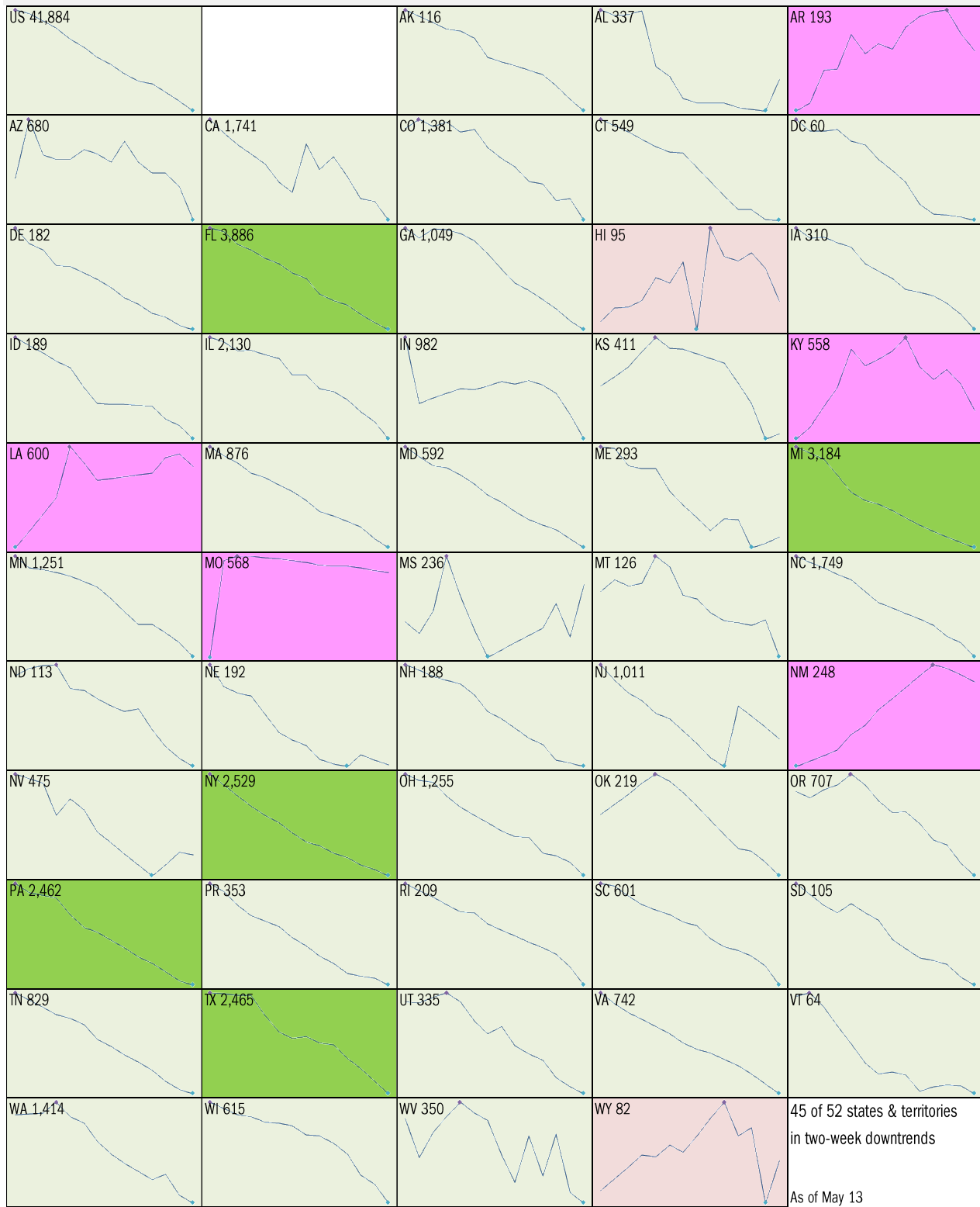


Source: [Johns Hopkins](#), TrendMacro calculations

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

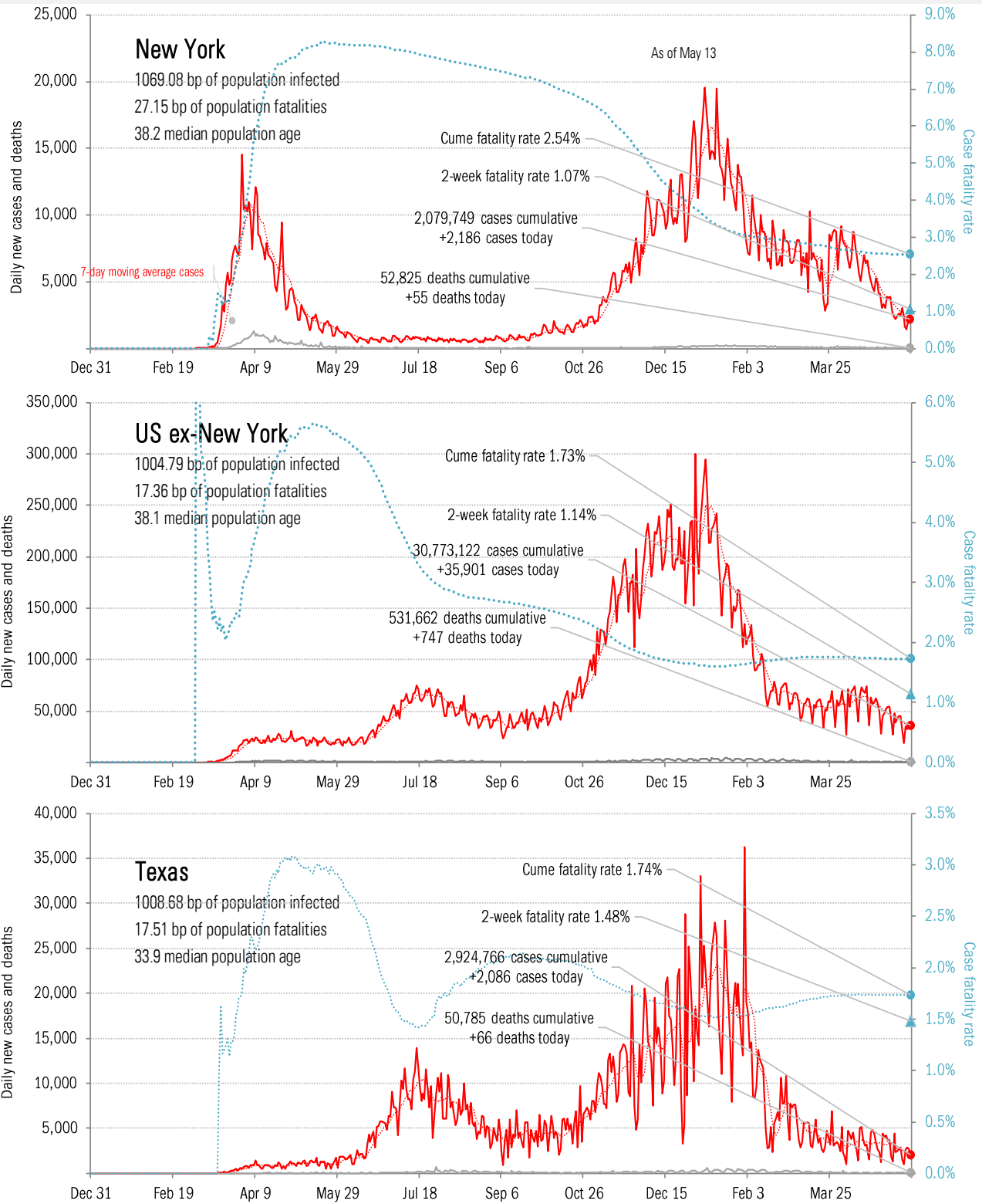
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



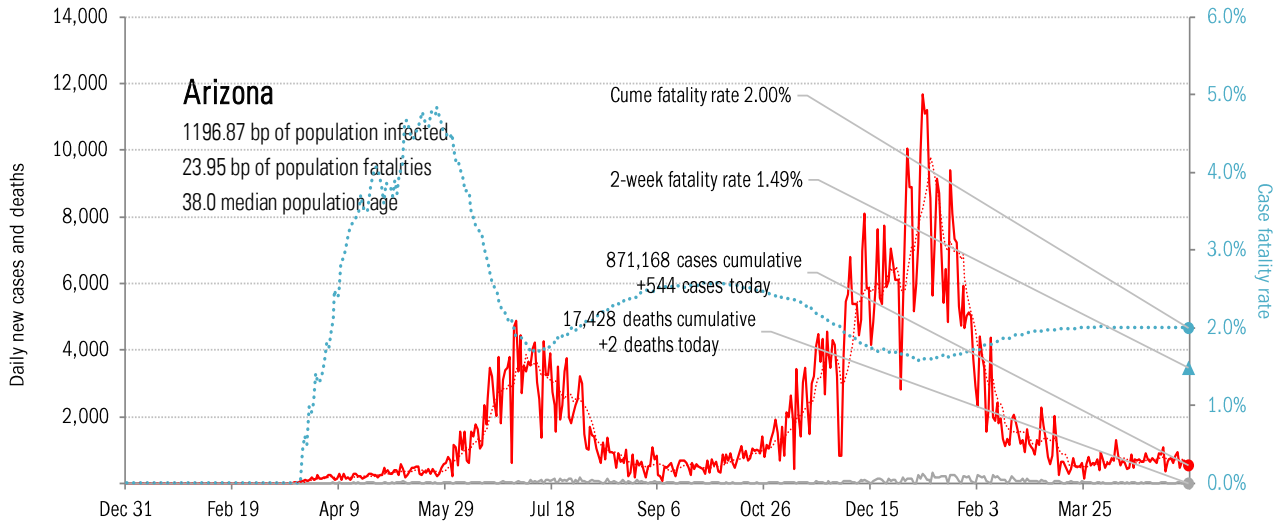
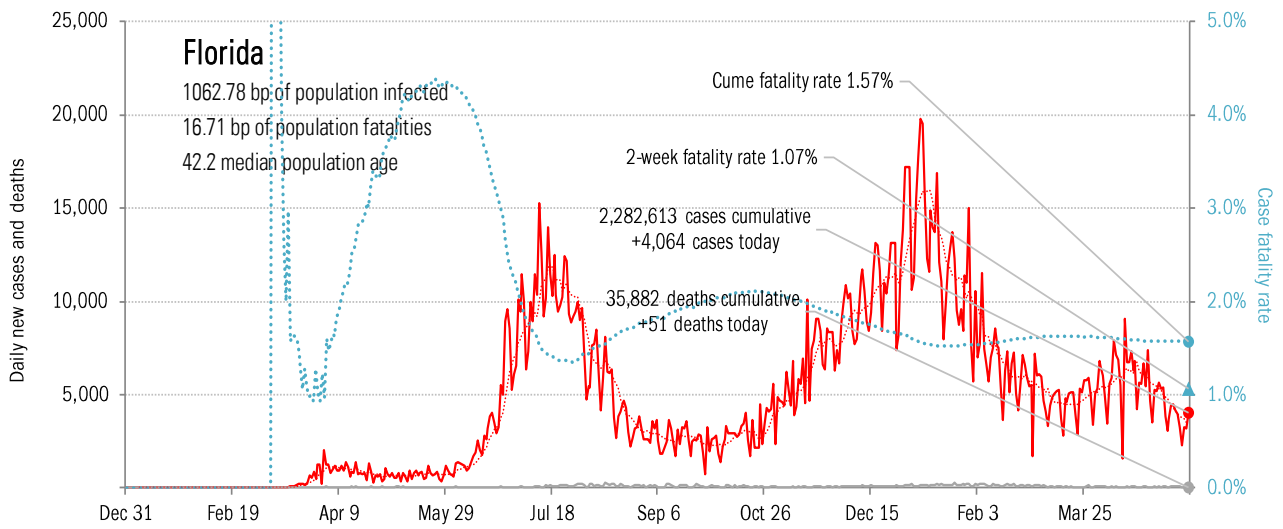
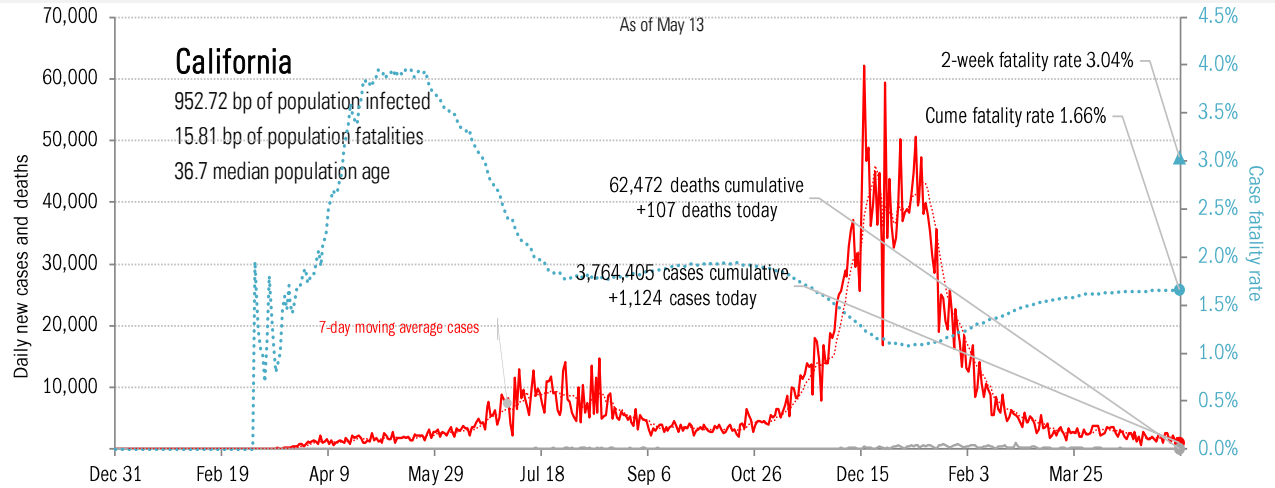
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



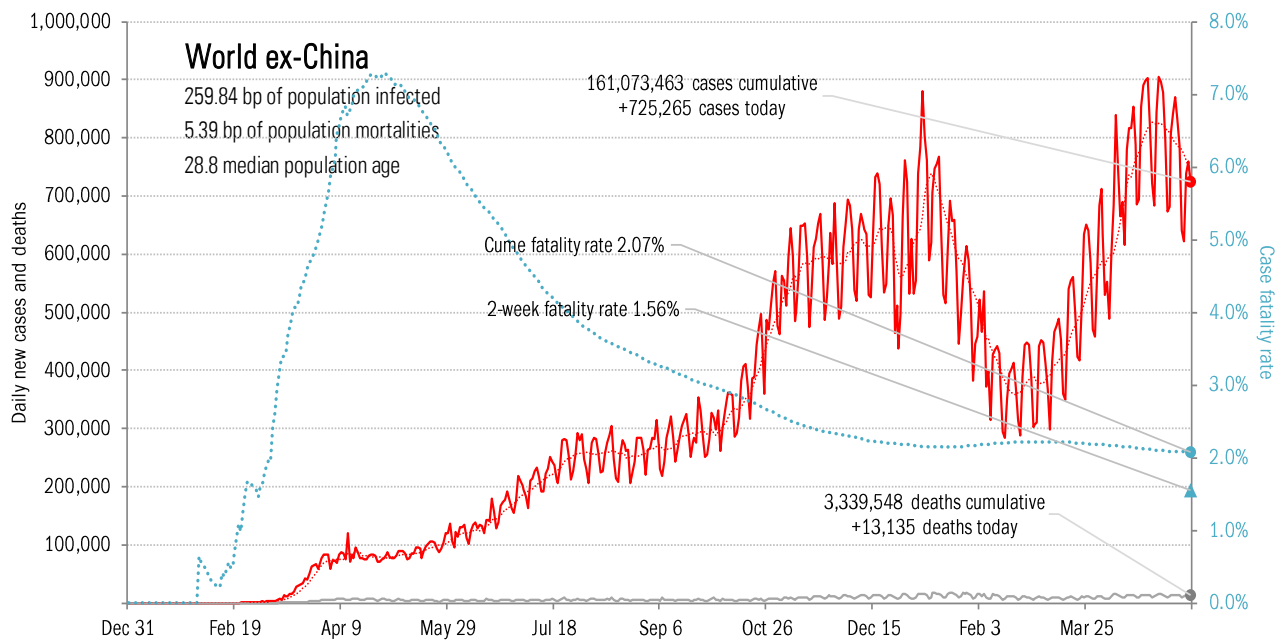
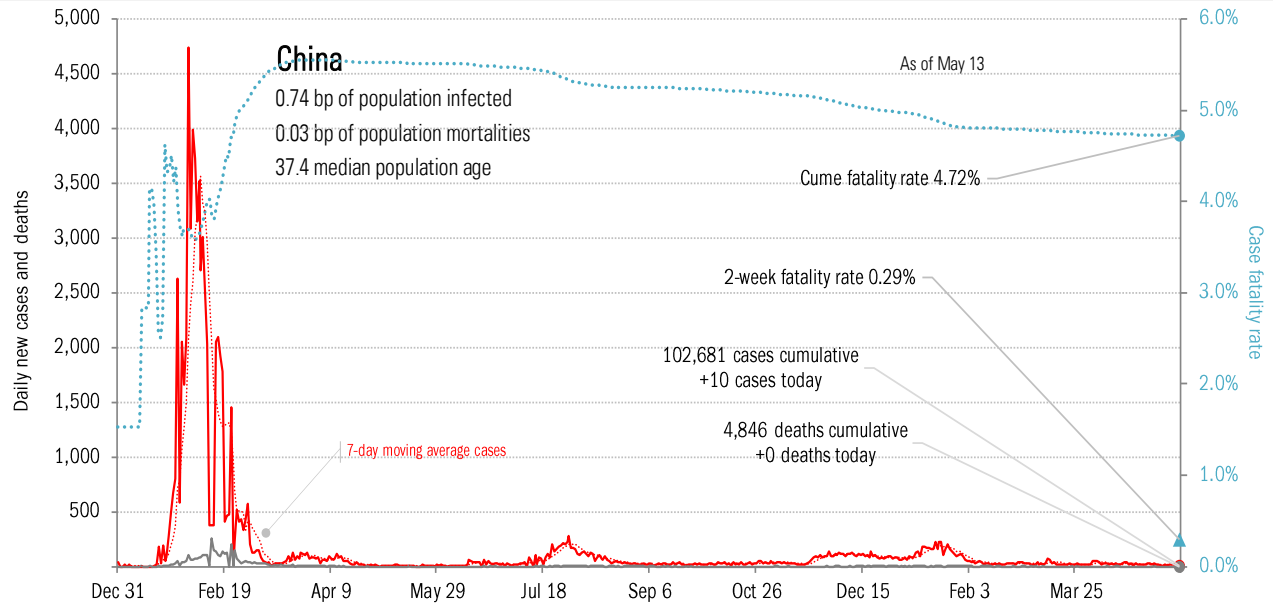
Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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



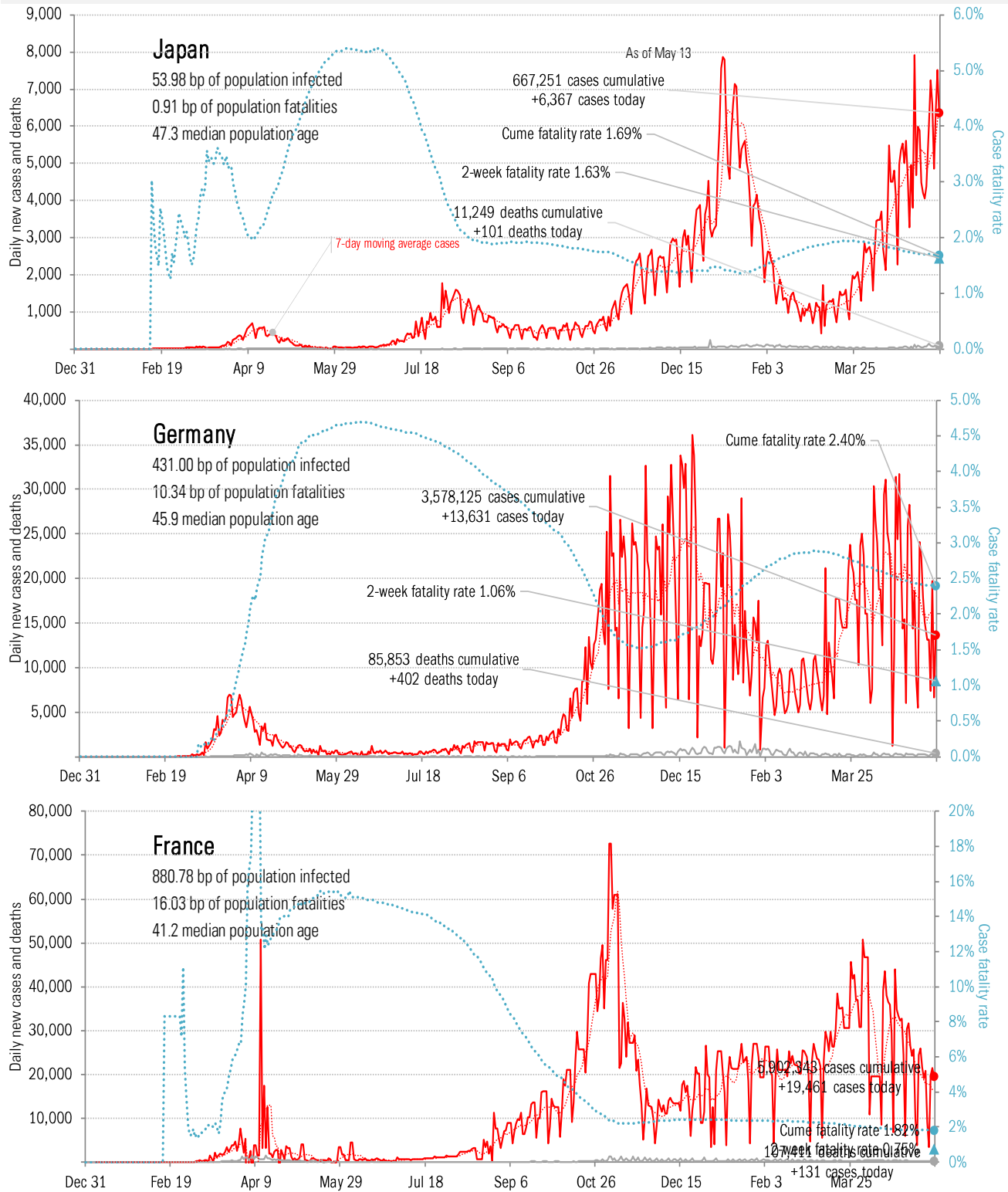
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



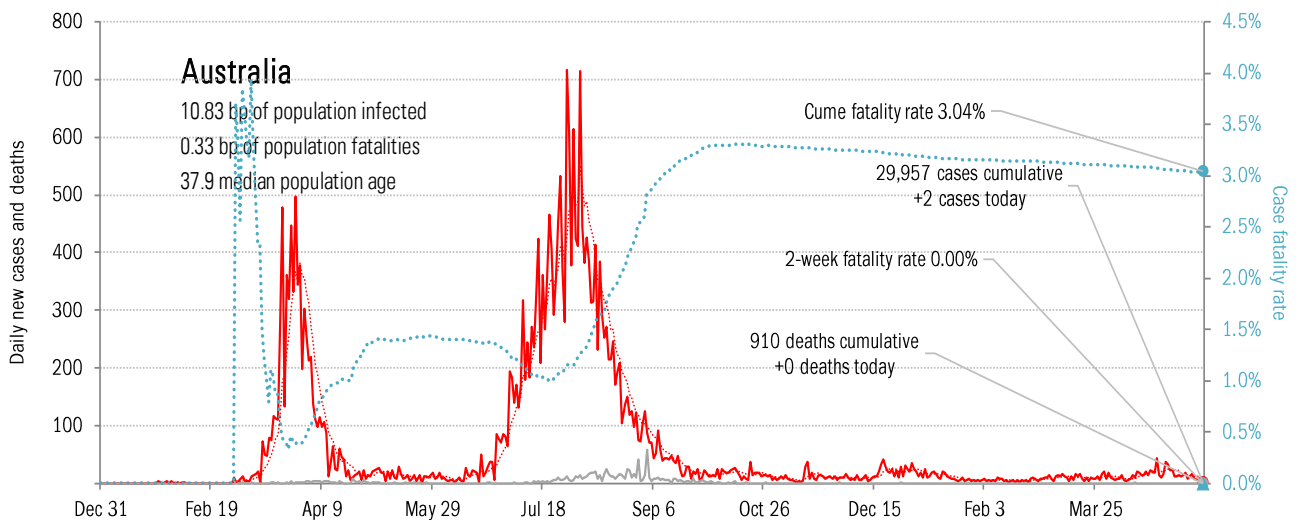
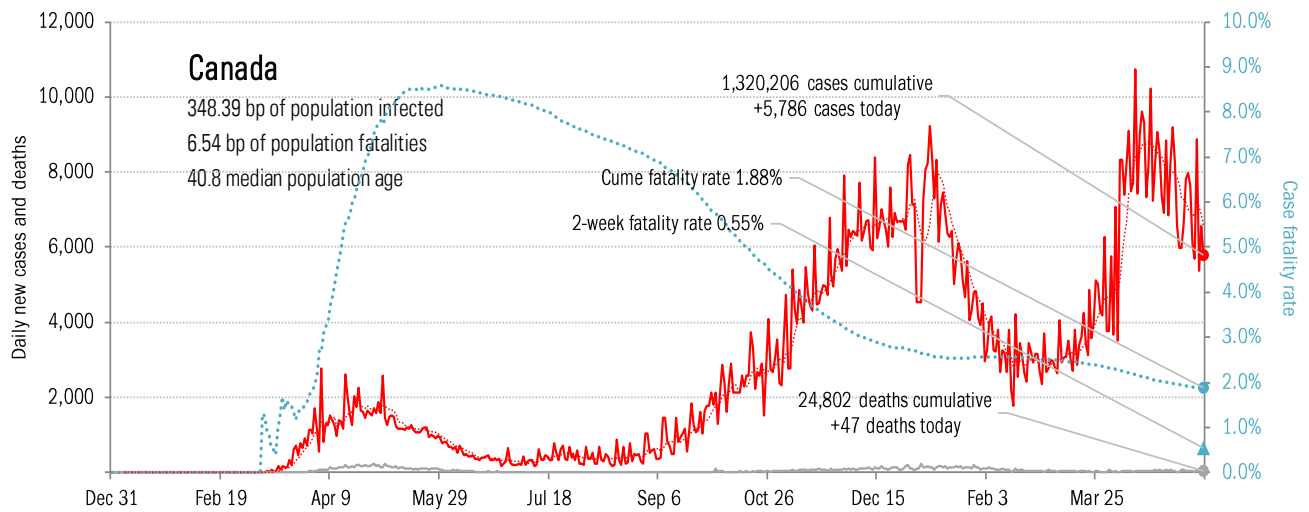
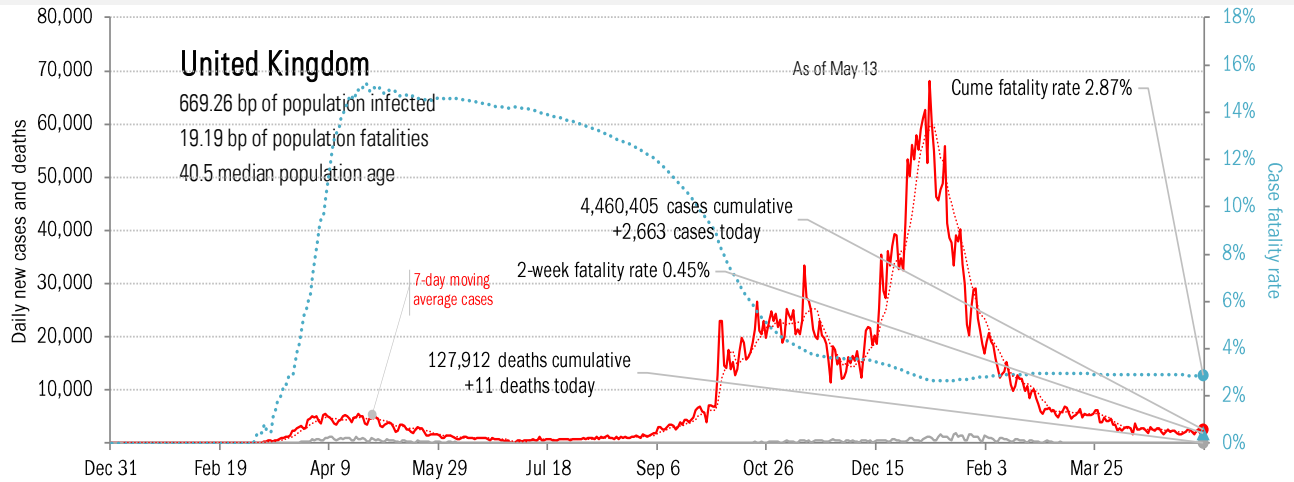
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

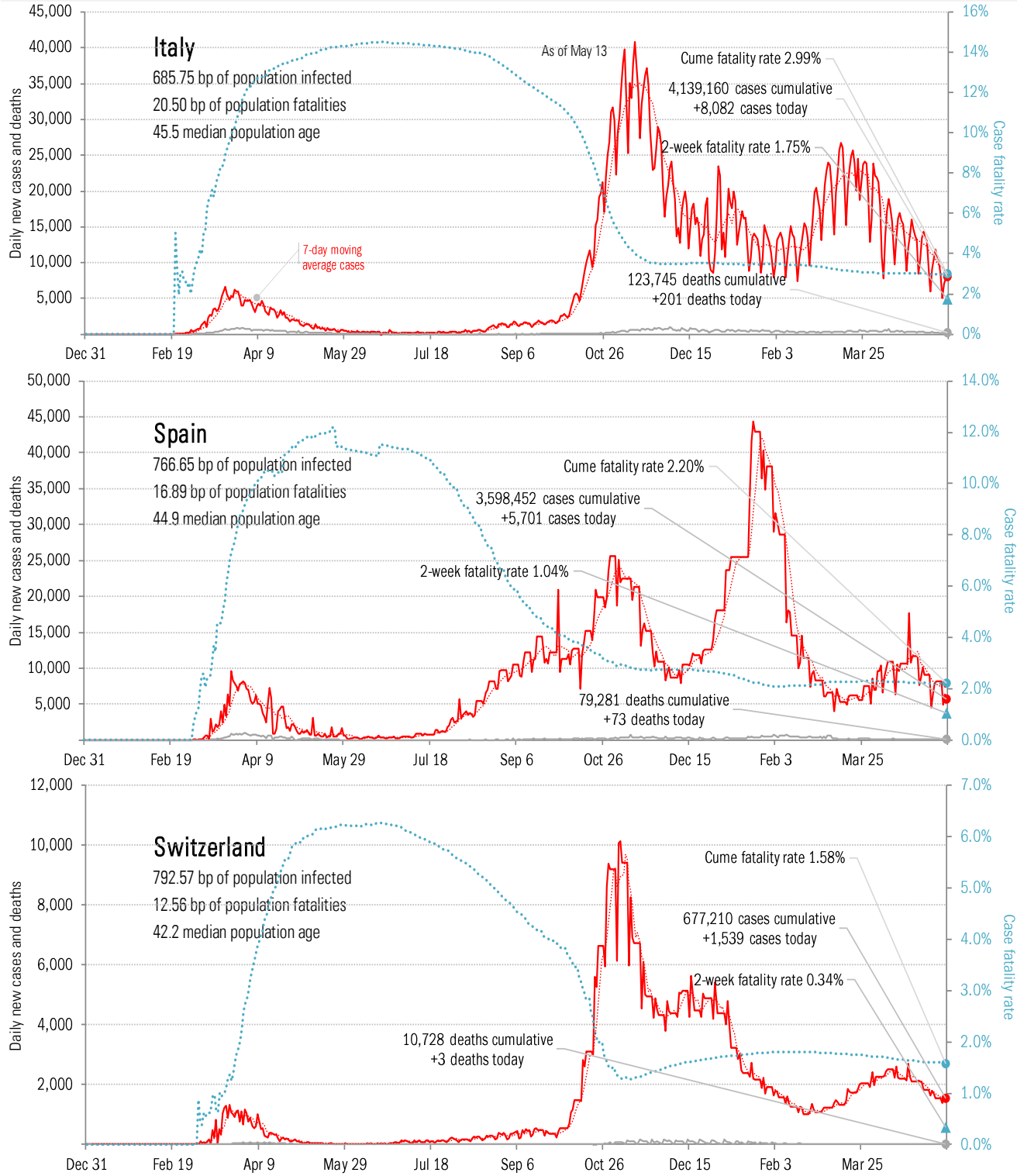
# Impact in The Anglosphere



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

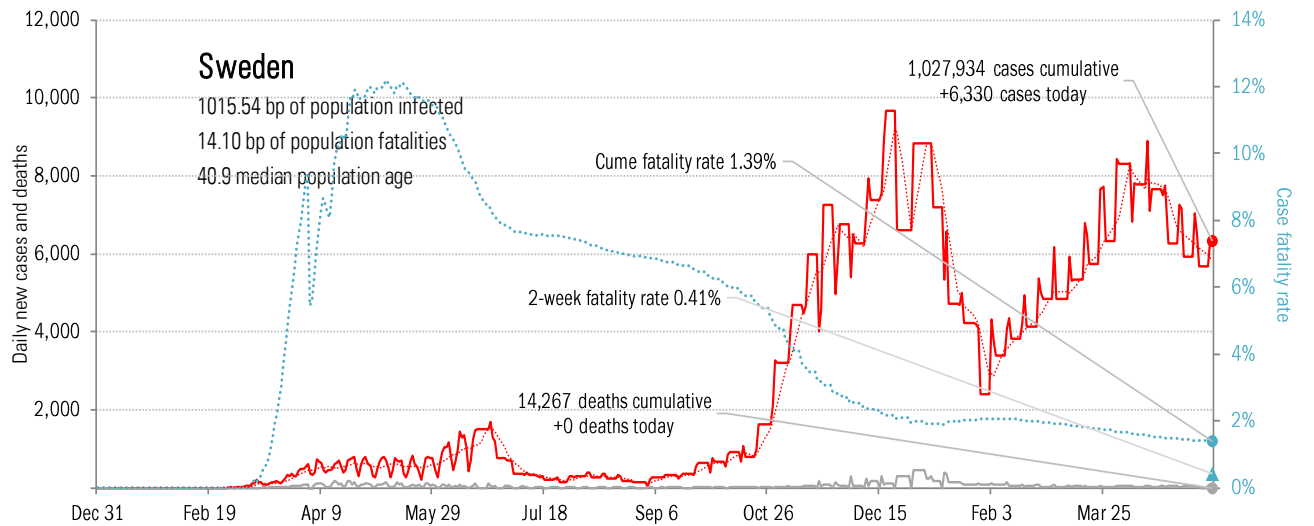
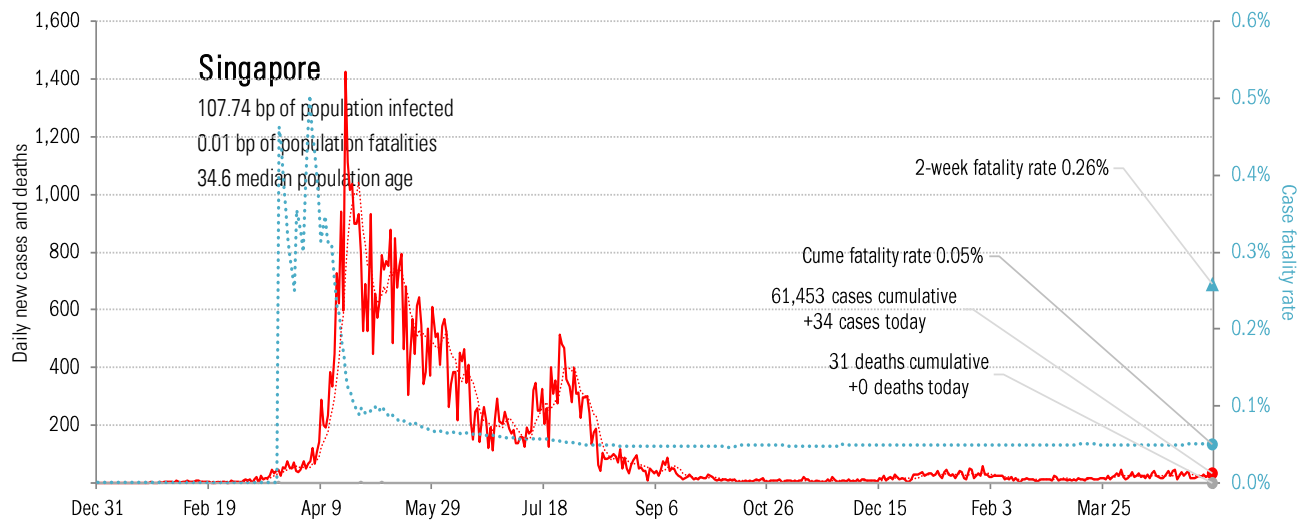
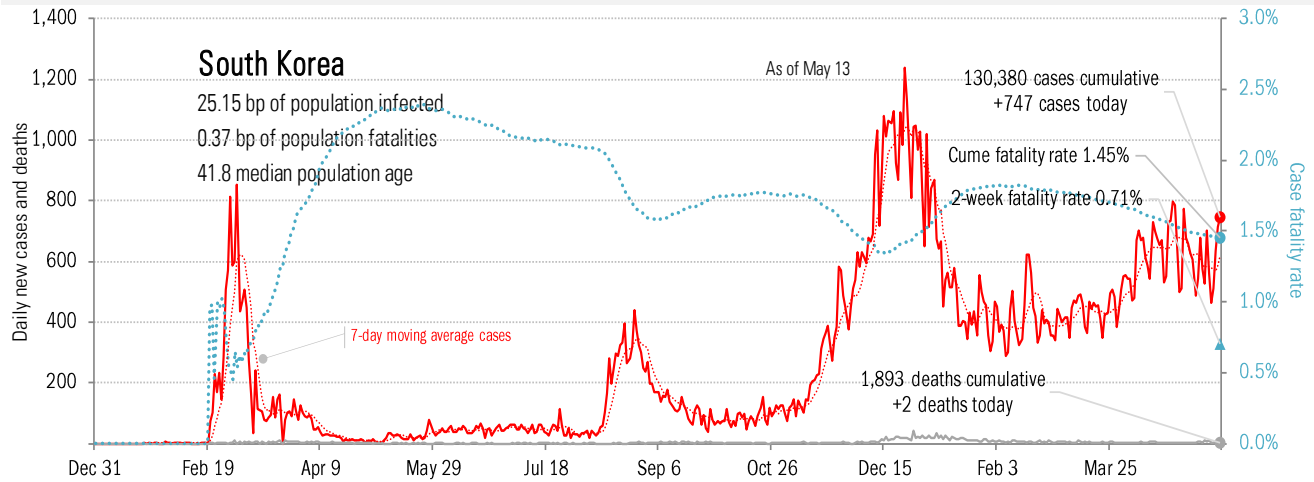


# Impact in continental Europe



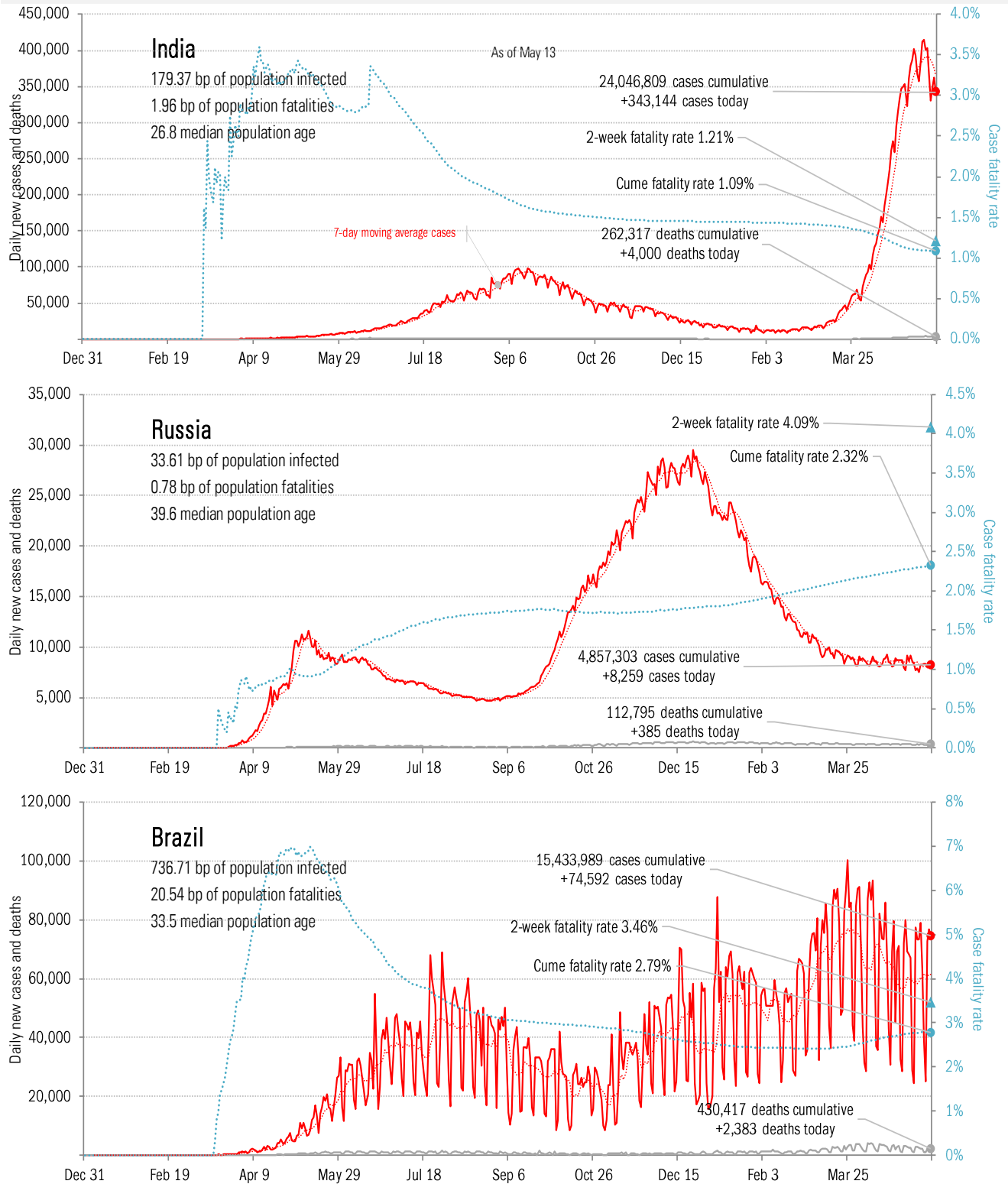
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



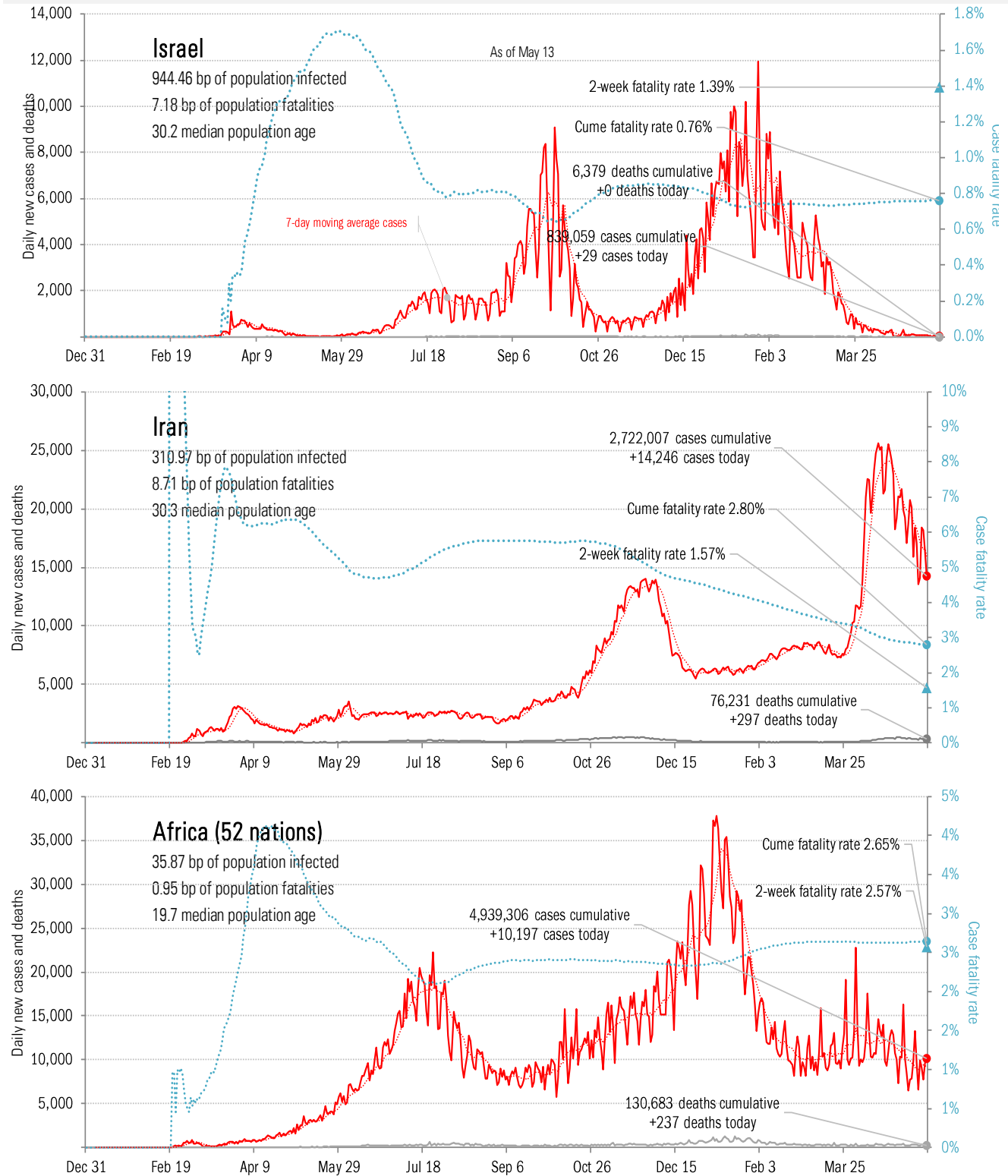
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



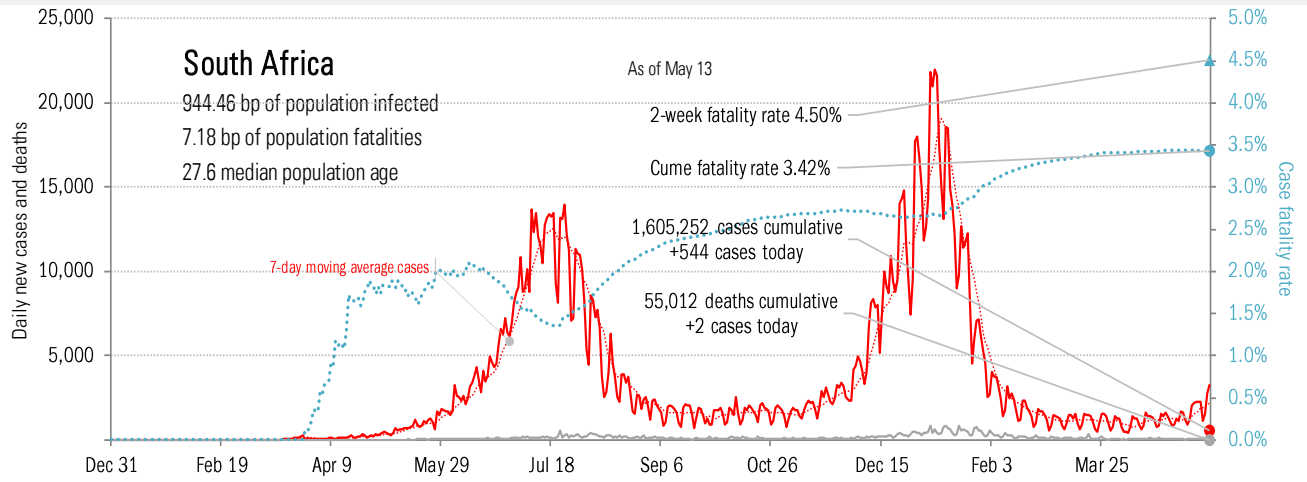
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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