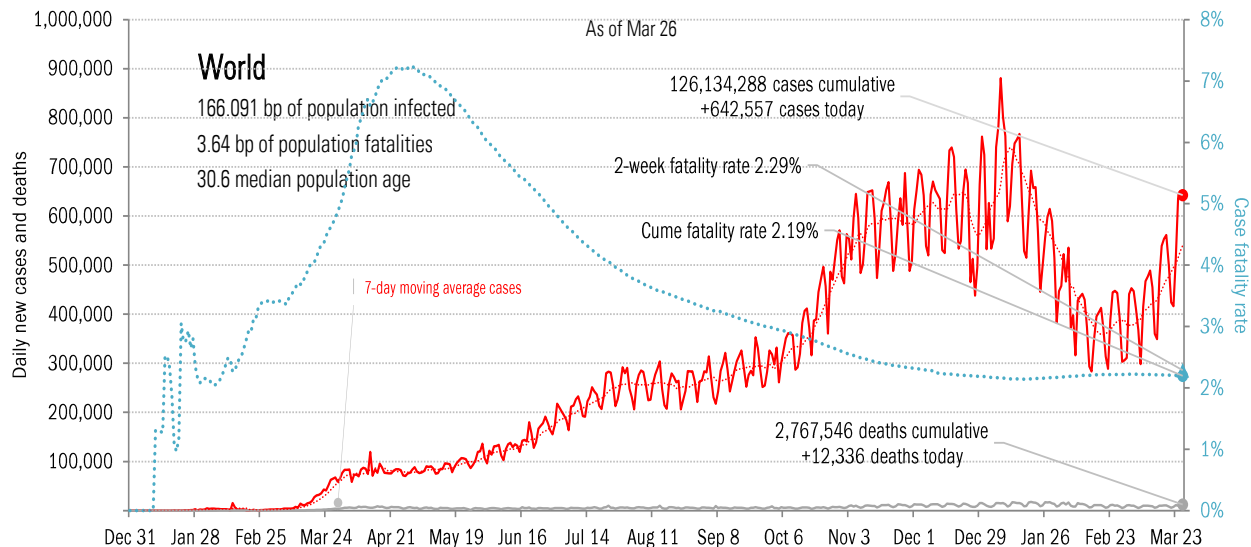
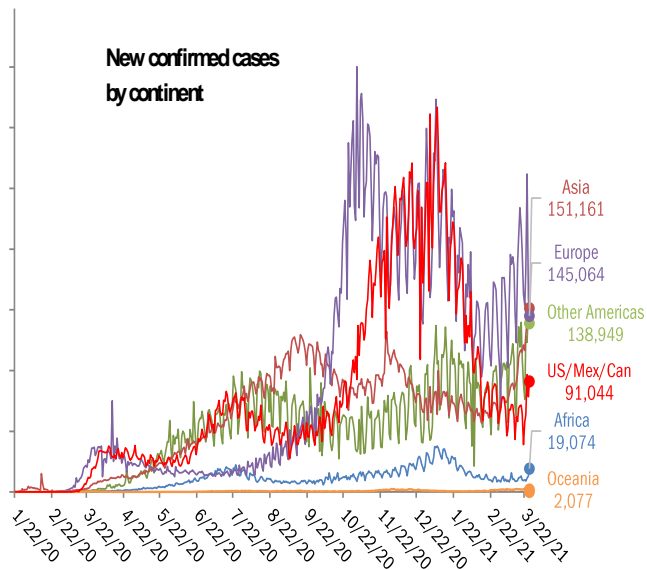


## Data Insights: Covid-2019 Monitor

Saturday, March 27, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
Brazil	+84,245	Brazil	+3,650
United States	+80,716	United States	+1,265
India	+62,258	France	+897
France	+41,871	Mexico	+651
Poland	+35,145	Spain	+590
Turkey	+29,081	Italy	+457
Italy	+24,076	Poland	+445
Germany	+20,689	Russia	+400
Ukraine	+18,226	Ukraine	+331
Argentina	+12,936	India	+291
<b>+409,243</b>		<b>+8,977</b>	
World	+642,557	World	+12,336
Topten	64%	Topten	73%



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

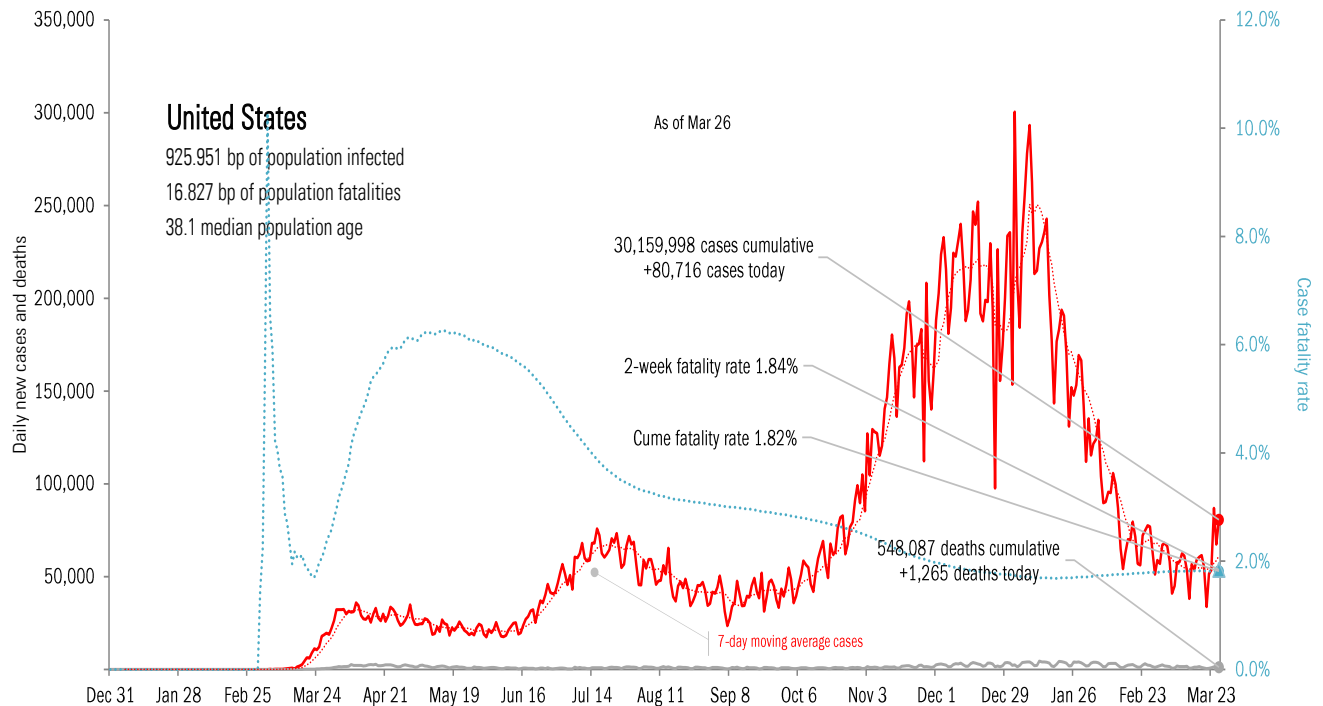
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
NY	+8,059		CA	+210		MI	+97		CA	3,659,987		CA	58,644		TX	222,778		R	94%	NY	19%
TX	+6,919		FL	+159		PA	+59		TX	2,776,370		NY	49,848		CA	219,763		ID	83%	MD	18%
CA	+6,819		CH	+144		FL	+52		FL	2,033,179		TX	47,947		FL	147,730		MA	82%	DC	16%
MI	+6,062		TX	+125		GA	+51		NY	1,833,128		FL	33,116		NY	109,577		MD	80%	TX	15%
FL	+5,750		GA	+98		NY	+32		IL	1,232,801		PA	24,932		GA	92,807		PA	80%	GA	14%
NJ	+5,599		NY	+58		CH	+26		GA	1,053,020		NJ	24,358		CH	73,979		CT	79%	MS	14%
PA	+4,983		MA	+41		MN	+25		CH	1,008,913		IL	23,472		PA	71,396		MO	77%	NM	13%
IL	+2,995		NC	+41		CO	+15		PA	1,007,892		GA	18,849		KY	66,982		MI	77%	MO	12%
MA	+2,760		KY	+38		NJ	+12		NC	905,528		CH	18,525		IL	66,782		FL	77%	NJ	12%
CH	+2,742		PA	+34		IL	+11		NJ	887,481		MA	17,051		AZ	57,653		DC	77%	ID	12%
+52,688			+948			+380			16,398,299			316,742			1,129,447			All states 70%		67%	
All states +80,716			+1,265			+142			All states 30,159,998			548,087			2,007,777			All states 70%		67%	
Top ten 65%			75%			268%			Top ten 54%			58%			56%			Median 71%		9%	

Some states not reporting

## Five most improved US states

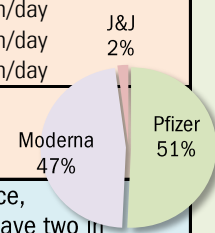
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TN	-738	CA	-266	TX	-64	ND	+82 bp
NY	-492	KY	-69	NC	-27	WV	+79 bp
IA	-347	NC	-52	WA	-24	SD	+60 bp
MO	-324	MI	-34	TN	-17	R	+60 bp
GA	-305	MN	-19	NJ	-16	ME	+56 bp



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	Share pop full immunization
185.82 million doses distributed	+4.09 million/day	United States 14.6%
142.58 million doses administered	+3.51 million/day	United Kingdom 4.4%
92.87 million persons partially immunized	+2.28 million/day	France 3.8%
50.85 million persons fully immunized	+1.33 million/day	Spain 5.4%
7.70 million shots long-term care residents/staff	+0.01 million/day	Germany 4.5%
		Italy 4.7%
<b>76.7% of distributed doses administered</b>		Australia 0.6%
<b>27.8% of US pop partial</b>	<b>15.2% full immunity</b>	Israel 54.3%
<b>100% of LTC partial</b>	<b>63.0% full immunity</b>	Canada 1.7%
		Japan 0.0%
		Africa 0.3%
		India 0.6%
		Brazil 1.9%



At today's dosing pace, every American will have two in

**146 days**  
by Aug 19, 2021

US will achieve herd immunity in  
**54 days**  
by May 19, 2021

State	
Doses distributed as % population	Best
Partial immunity as % population	Middle
Full immunity as % population	Worst

AK
77.7%
32.8%
21.0%

Global data differs due to sources

China NA

ME
56.4%
31.8%
17.8%

WI
50.5%
29.2%
16.7%

VT	NH
60.8%	52.6%
30.8%	29.4%
16.5%	15.6%

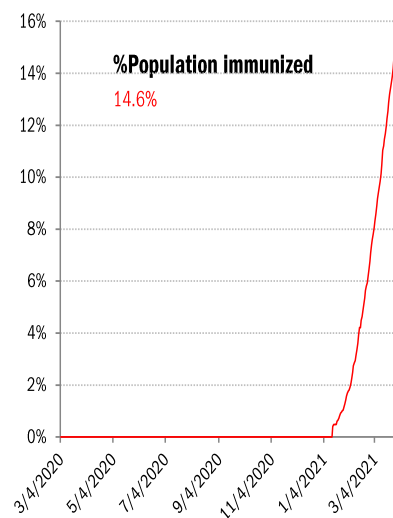
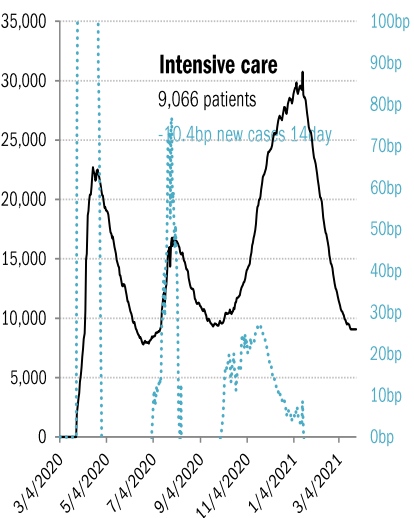
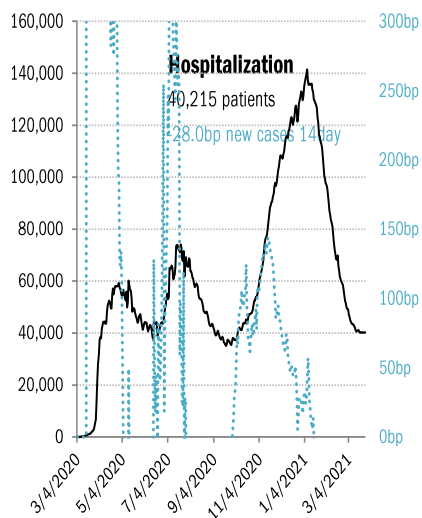
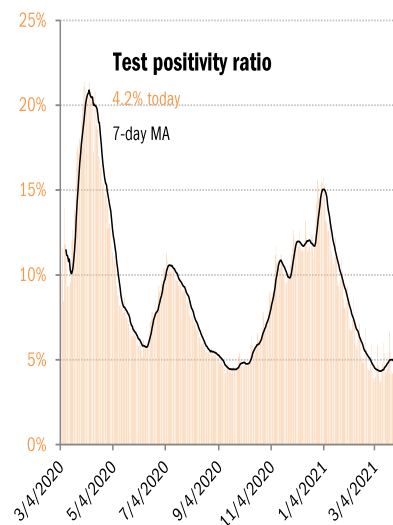
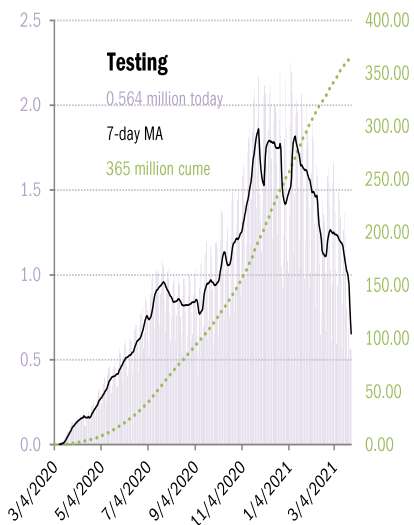
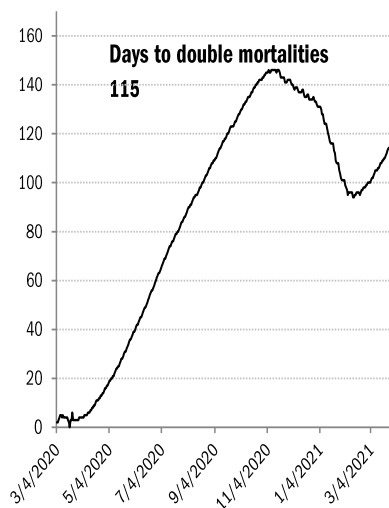
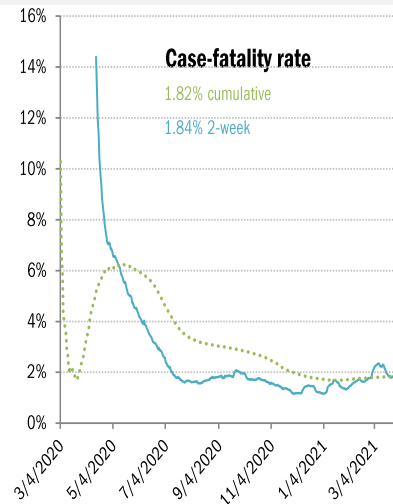
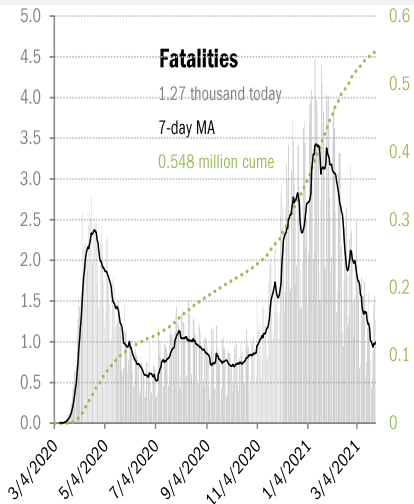
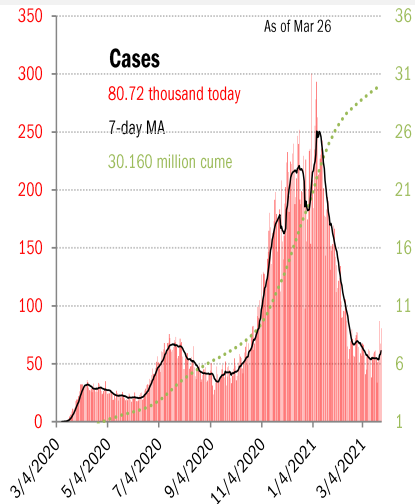
<b>WA</b> 53.1% 27.5% 15.7%	<b>ID</b> 48.8% 24.0% 15.0%	<b>MT</b> 57.3% 28.4% 16.9%	<b>ND</b> 57.4% 30.2% 18.2%	<b>MN</b> 51.5% 28.7% 16.4%	<b>IL</b> 53.3% 28.2% 15.0%	<b>MI</b> 51.7% 26.2% 15.0%	<b>NY</b> 55.6% 28.3% 14.1%	<b>MA</b> 55.8% 31.3% 16.9%		
<b>OR</b> 51.8% 26.0% 14.9%	<b>NV</b> 49.5% 25.8% 14.5%	<b>WY</b> 60.7% 25.4% 16.6%	<b>SD</b> 64.6% 32.4% 20.1%	<b>IA</b> 52.7% 28.4% 17.3%	<b>IN</b> 47.8% 23.6% 15.4%	<b>OH</b> 53.5% 26.6% 15.2%	<b>PA</b> 54.3% 29.2% 14.8%	<b>NJ</b> 53.4% 30.6% 16.3%	<b>CT</b> 61.5% 32.4% 18.1%	<b>RI</b> 56.3% 30.7% 18.2%
<b>CA</b> 54.5% 28.0% 14.3%	<b>UT</b> 46.5% 23.2% 10.3%	<b>CO</b> 53.0% 26.9% 16.1%	<b>NE</b> 54.9% 28.6% 16.5%	<b>MO</b> 52.8% 24.0% 13.2%	<b>KY</b> 51.7% 29.1% 15.3%	<b>WV</b> 56.2% 28.0% 17.6%	<b>VA</b> 51.4% 27.9% 15.3%	<b>MD</b> 54.5% 28.4% 15.2%	<b>DE</b> 55.8% 28.0% 14.6%	
<b>AZ</b> 54.1% 27.3% 15.5%	<b>NM</b> 63.3% 35.3% 21.5%	<b>KS</b> 56.2% 27.5% 14.8%	<b>AR</b> 53.3% 24.2% 12.5%	<b>TN</b> 50.5% 23.0% 12.3%	<b>NC</b> 52.0% 27.1% 14.9%	<b>SC</b> 51.0% 25.2% 13.6%	<b>DC</b> 69.6% 23.1% 11.6%			
	<b>OK</b> 62.6% 29.1% 16.0%	<b>LA</b> 52.6% 24.4% 14.5%	<b>MS</b> 53.6% 22.9% 13.2%	<b>AL</b> 50.9% 21.9% 12.5%	<b>GA</b> 50.1% 21.2% 11.6%					
<b>HI</b> 62.8% 29.7% 17.7%	<b>TX</b> 50.5% 23.5% 11.9%					<b>FL</b> 55.8% 25.8% 14.3%	<b>PR</b> 57.7% 20.0% 11.3%			

As of Mar 26

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

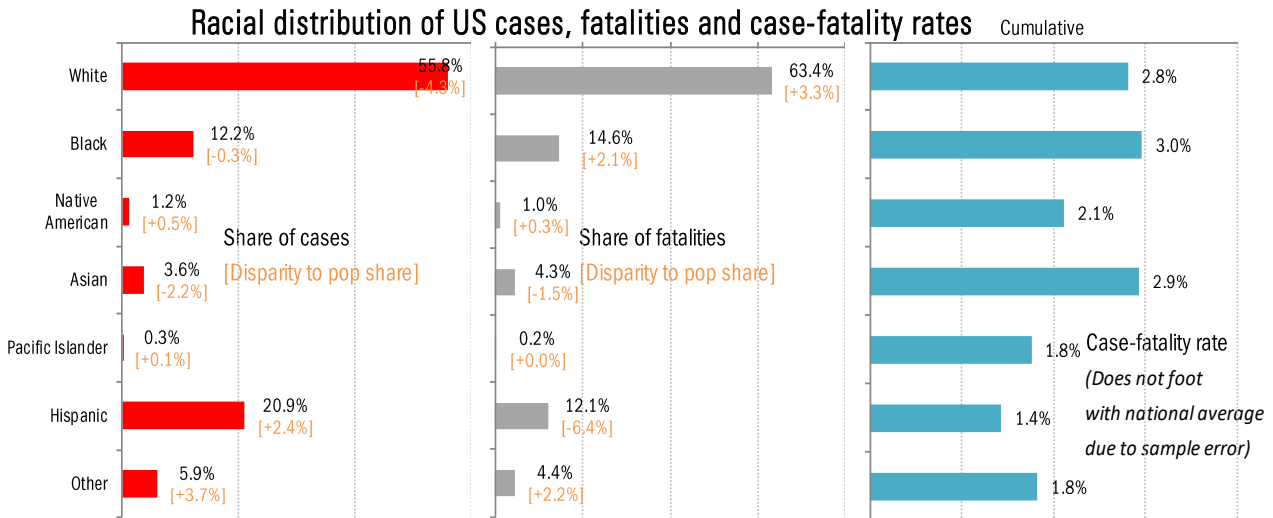
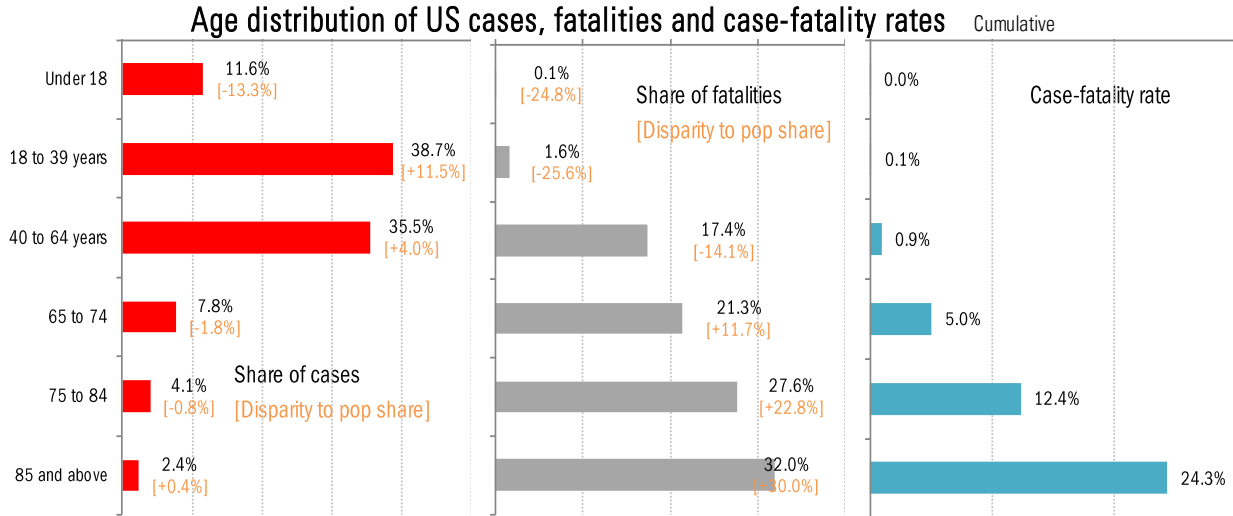
# US deep-dive

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

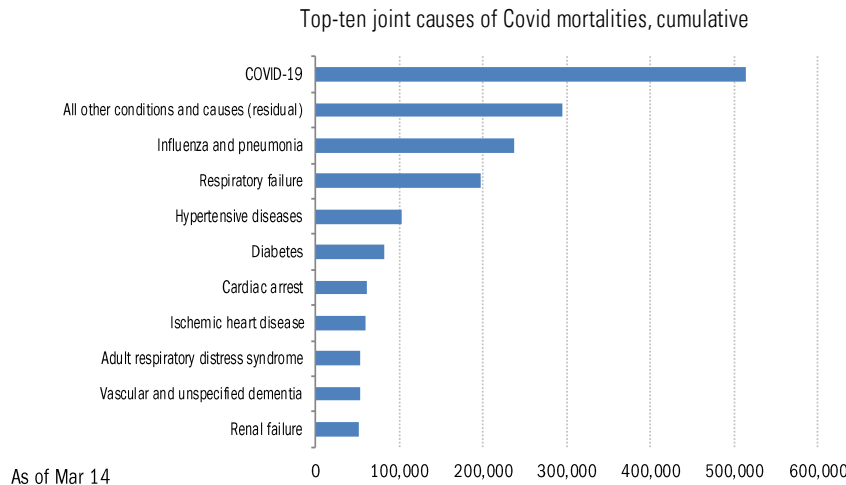


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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



## Comorbidities



For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 3.8 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

## Recommended reading

### [Europe's Covid Bill Is Coming Due](#)

Dominic Green  
*Wall Street Journal*  
March 26, 2021

### [Addressing Geert Vanden Bossche's Claims](#)

Edward Nirenberg  
*Deplatform Disease*  
March 15, 2021

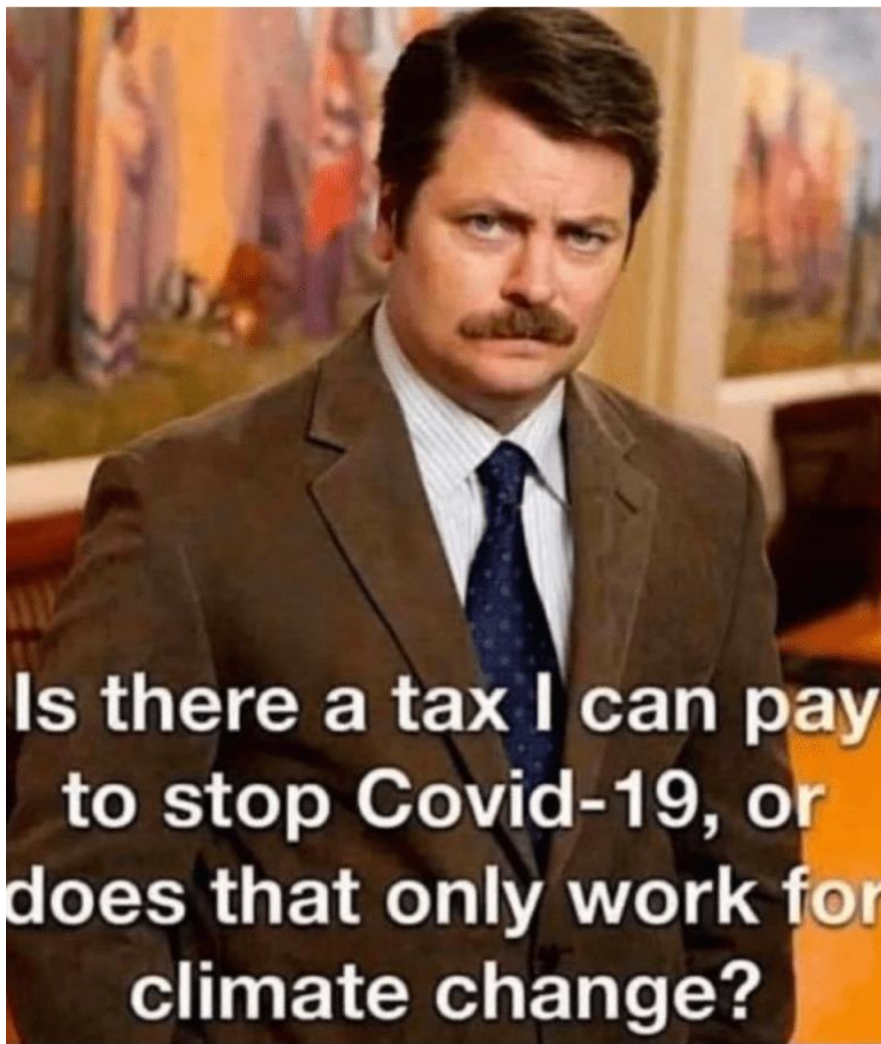
### [The Cuomo Scandals: This Is CNN](#)

Karol Markowicz  
*Wall Street Journal*  
March 26, 2021

### [Germany bucks Europe's pandemic 'baby bust' with rise in births](#)

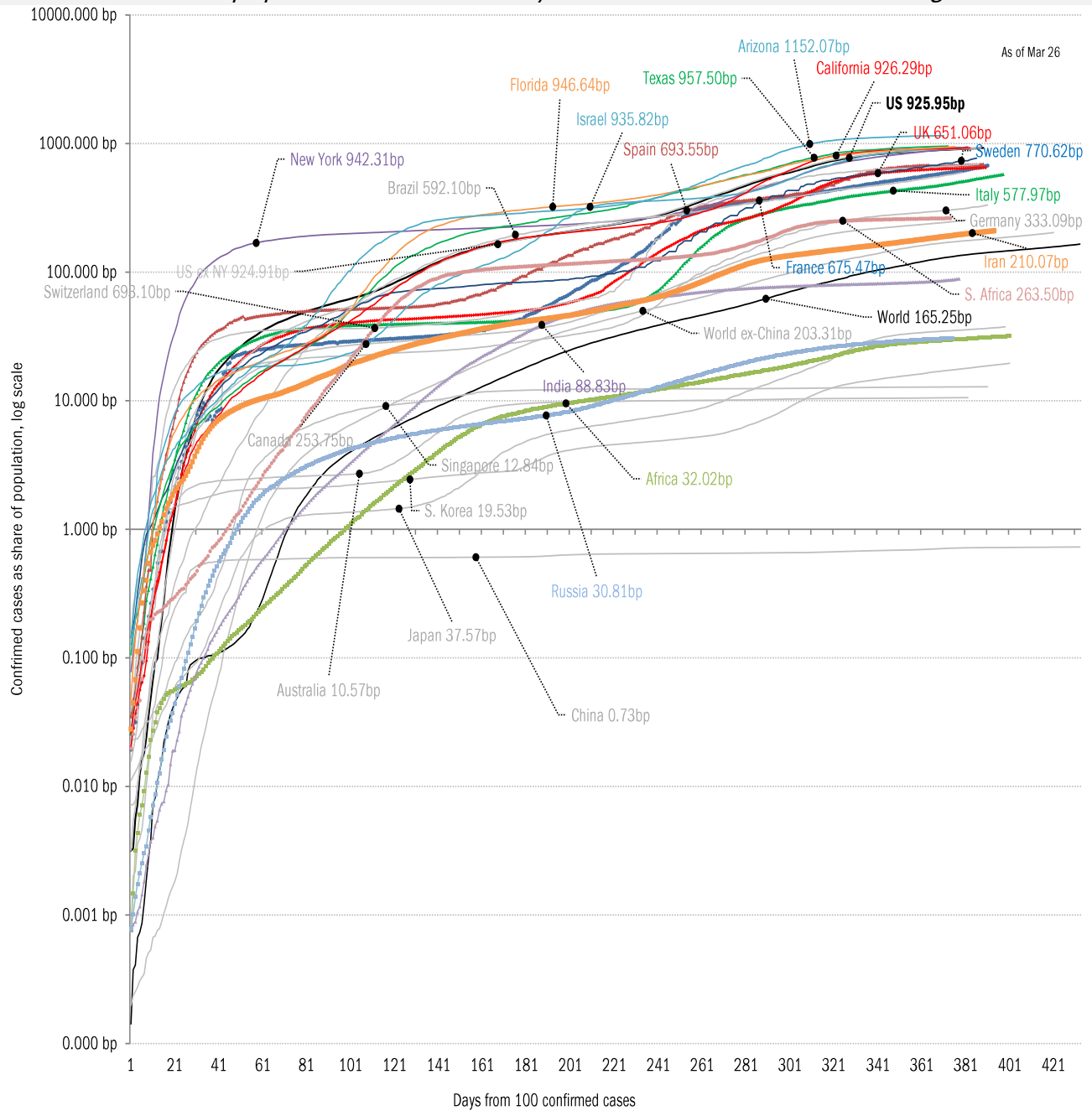
Martin Arnold and Valentina Romei  
*Financial Times*  
March 26, 2021

## Meme of day



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

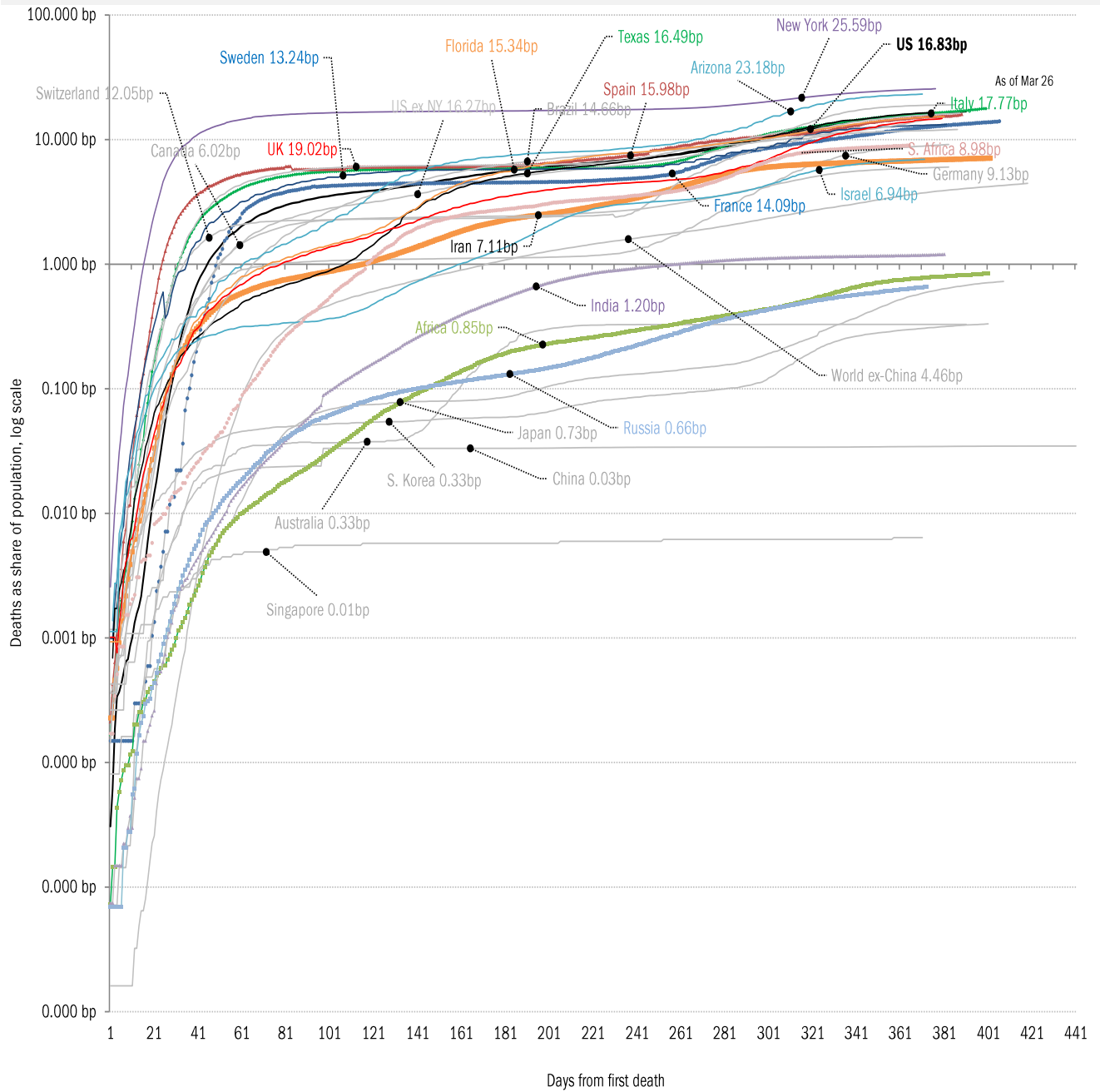
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

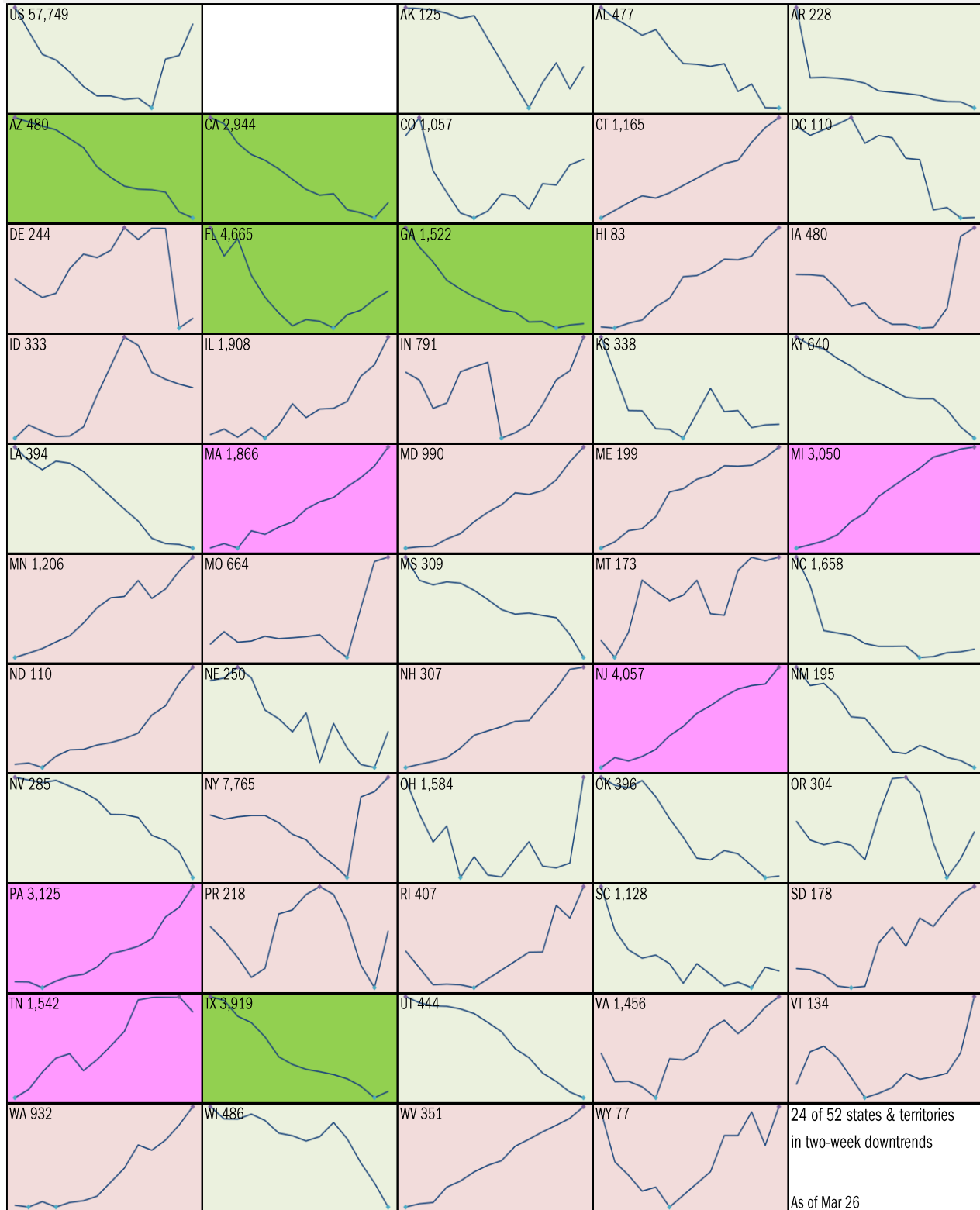


Source: [Johns Hopkins](#), TrendMacro calculations

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

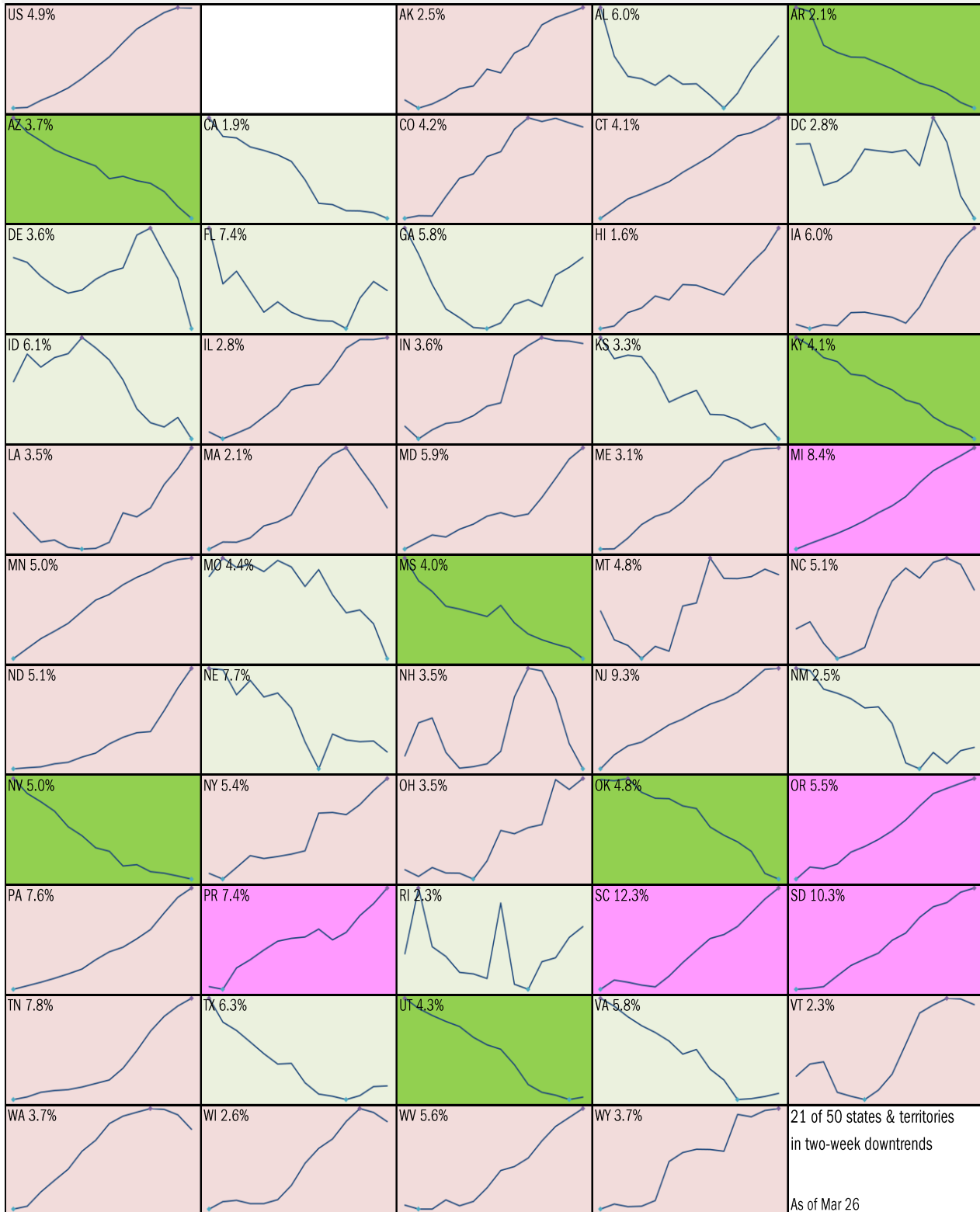


Source: [Johns Hopkins](#), TrendMacro calculations

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

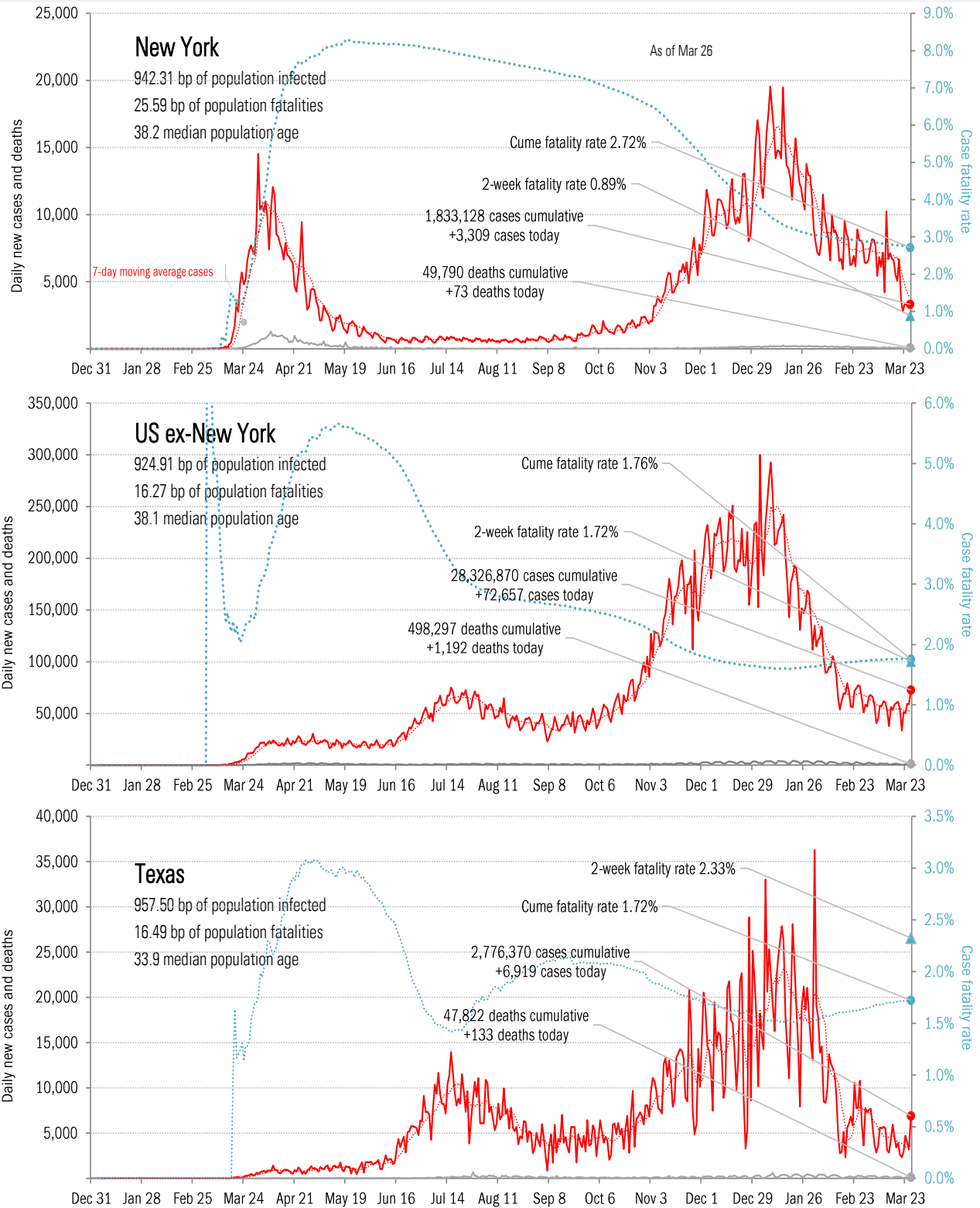
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



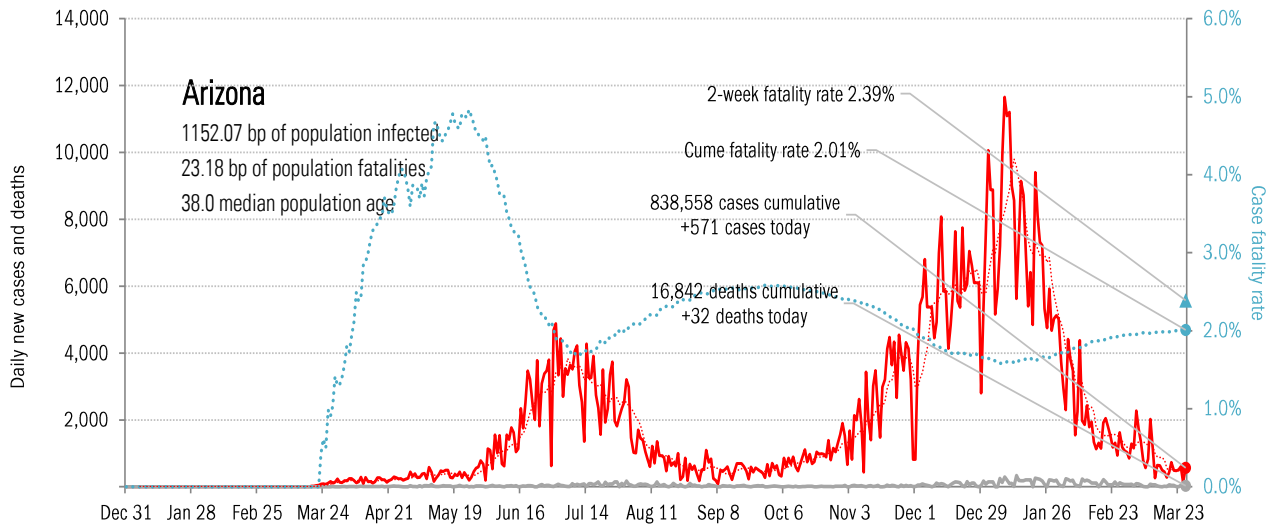
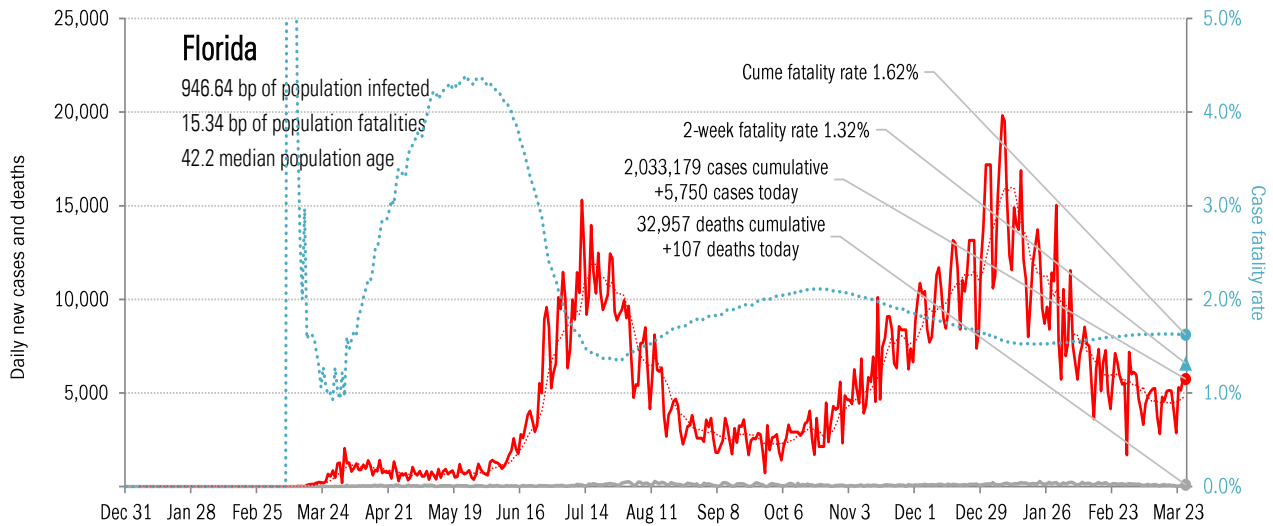
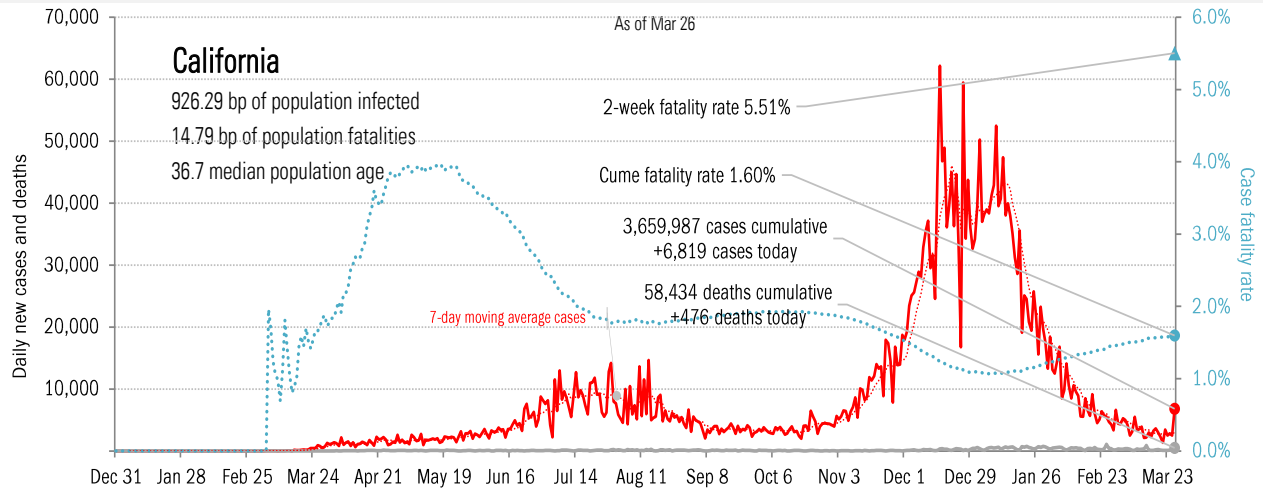
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



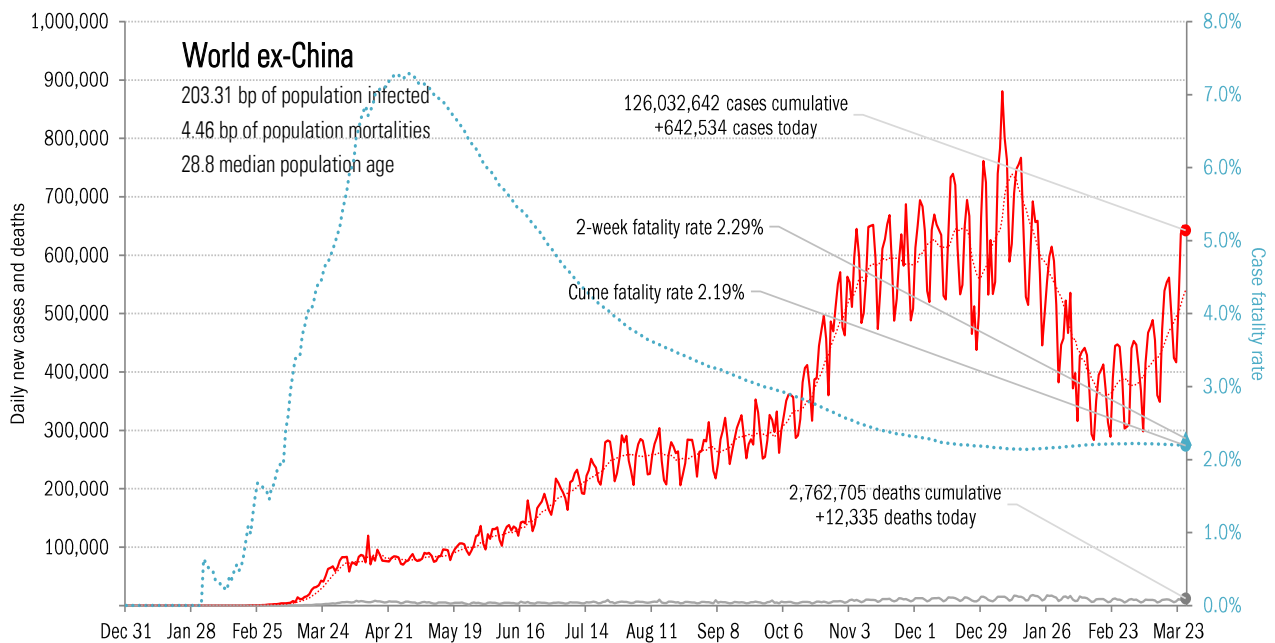
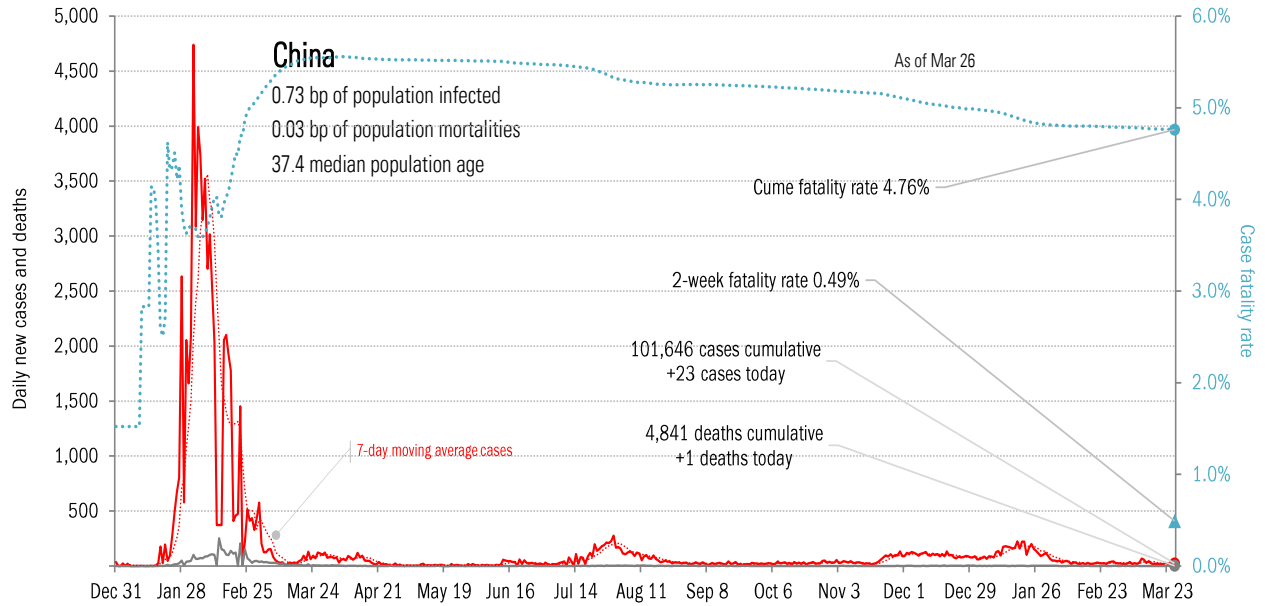
Source: [Johns Hopkins](#), TrendMacro calculations

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



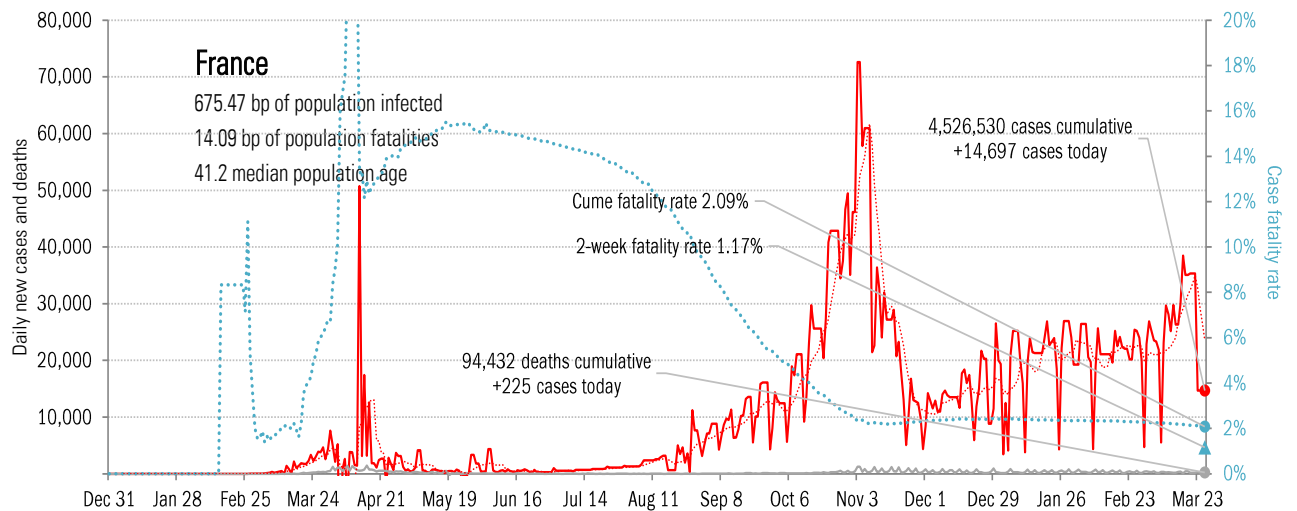
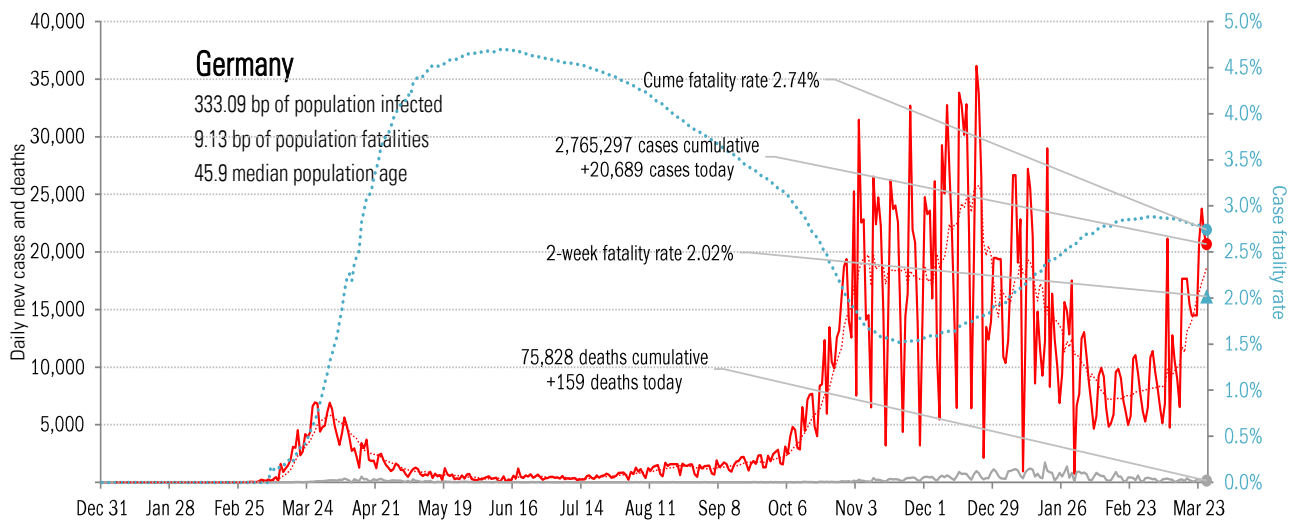
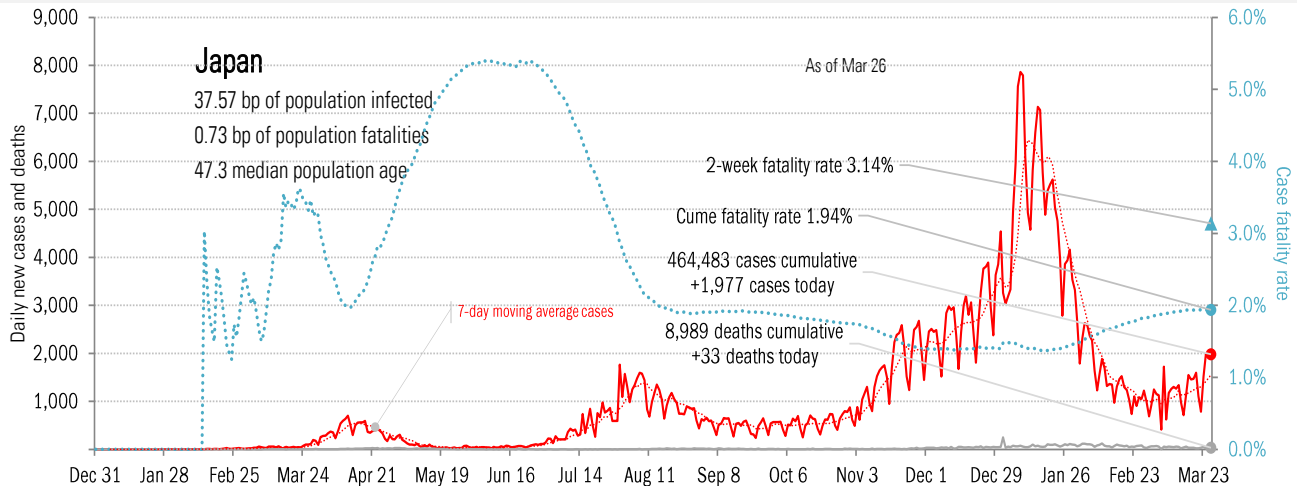
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



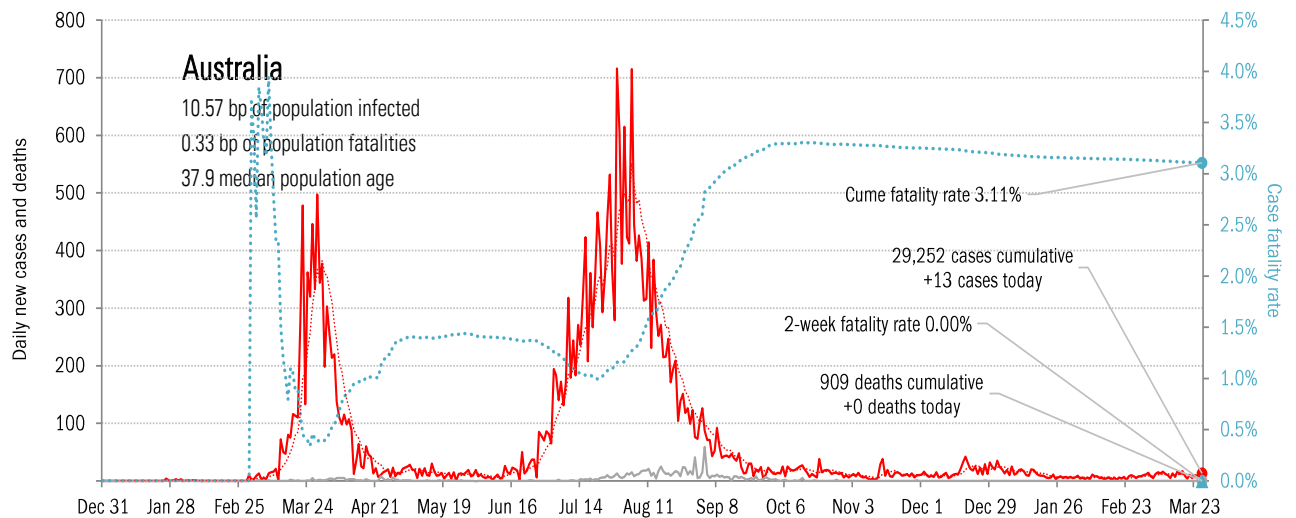
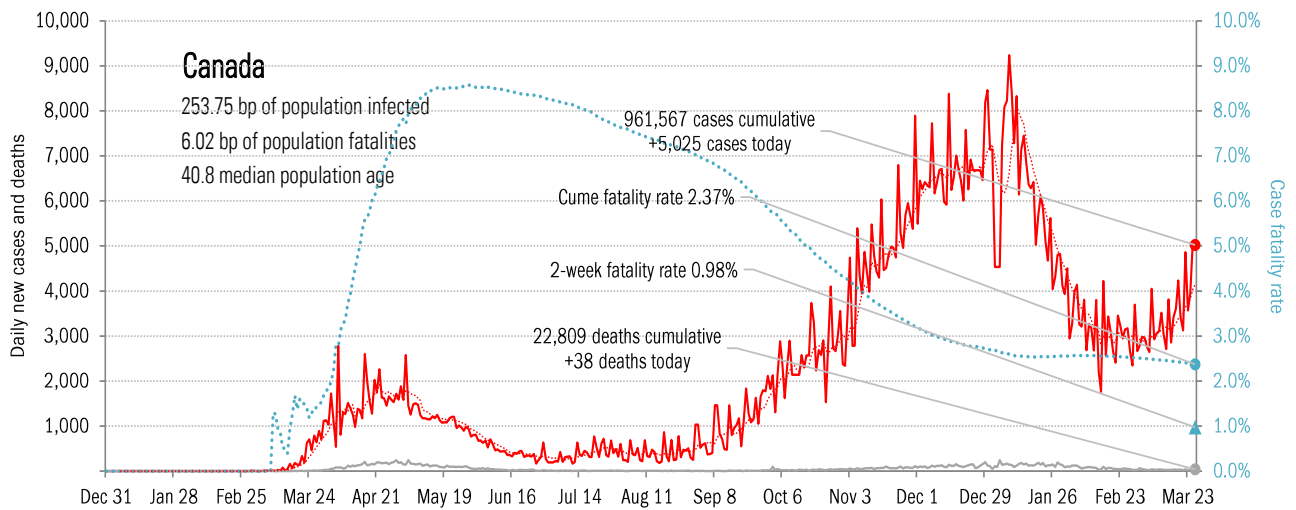
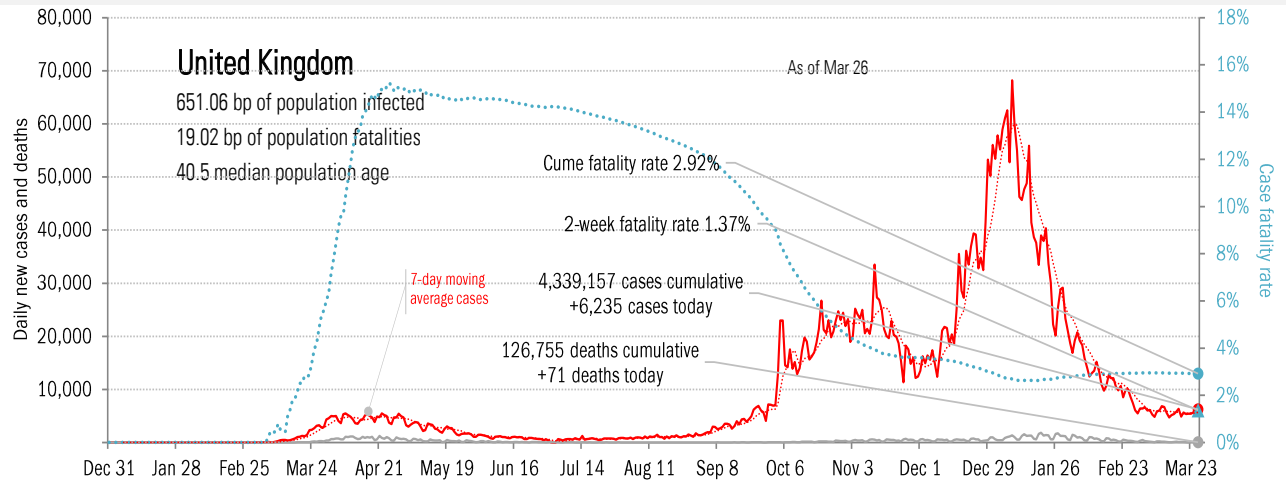
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

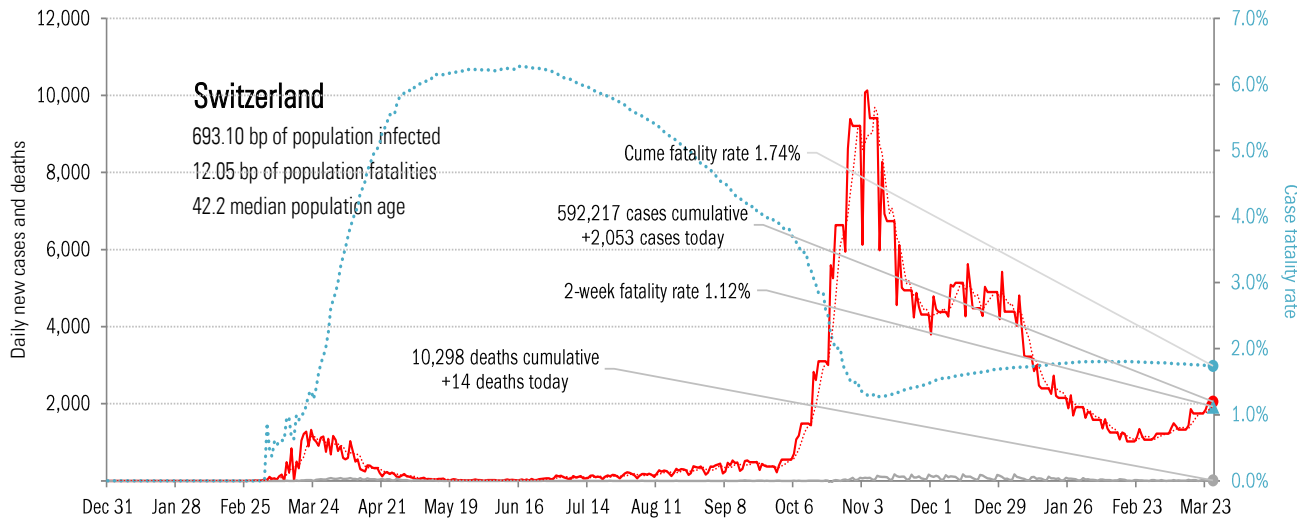
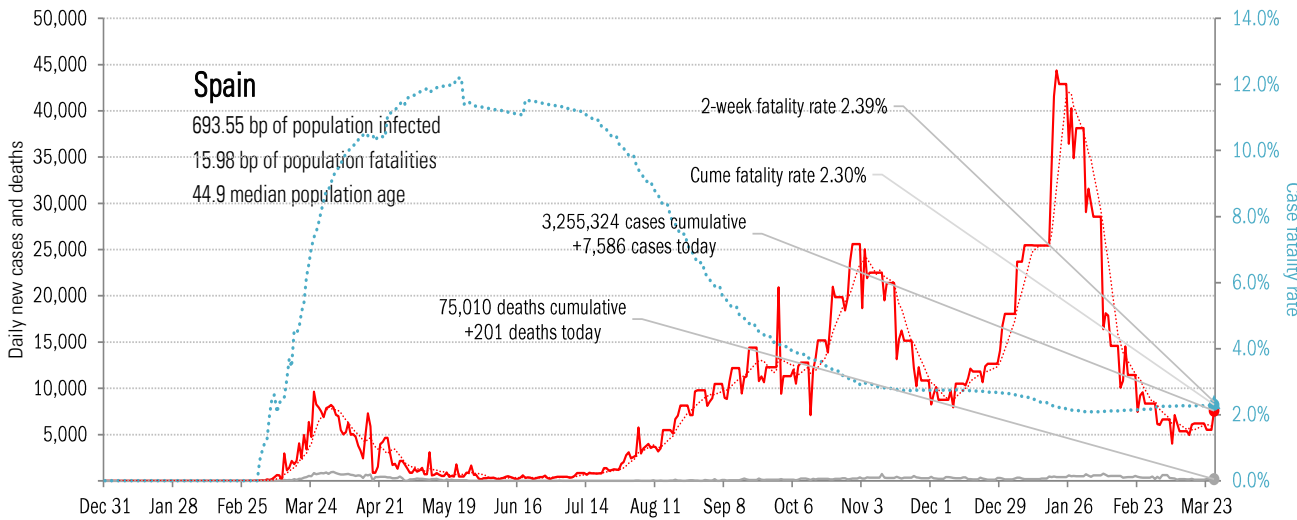
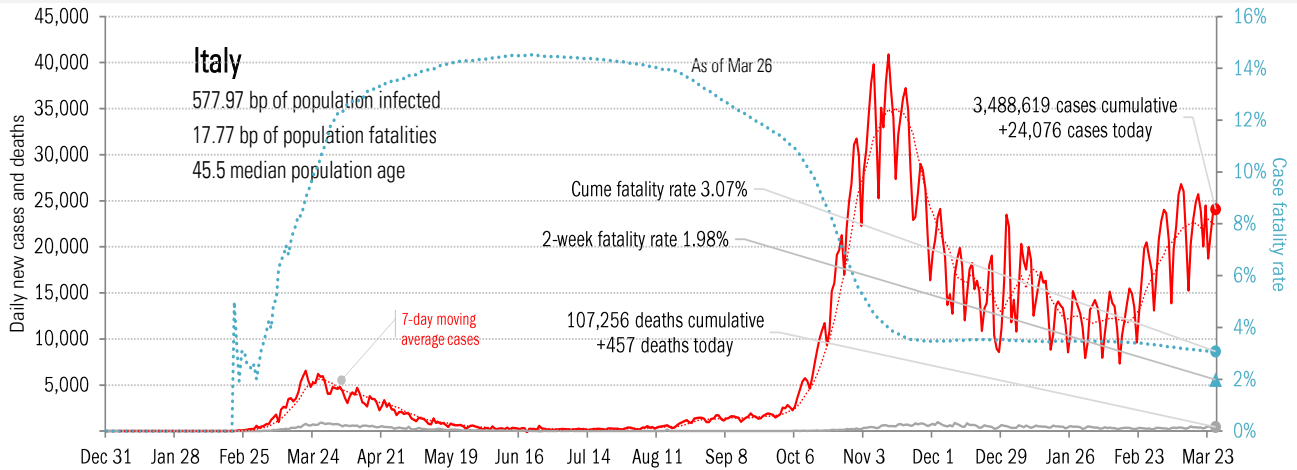
# Impact in The Anglosphere



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

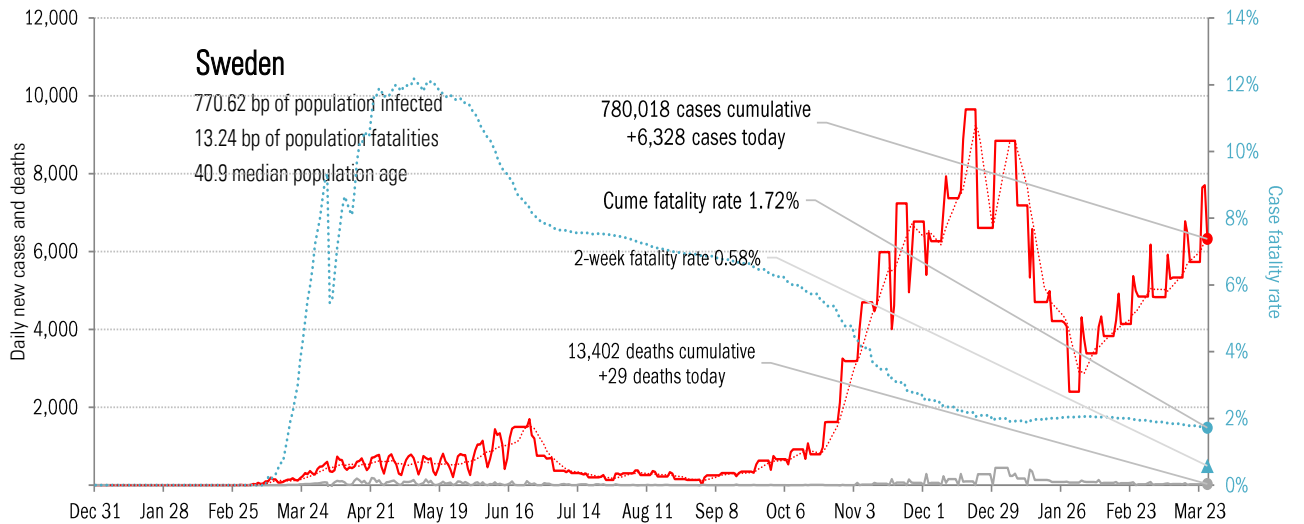
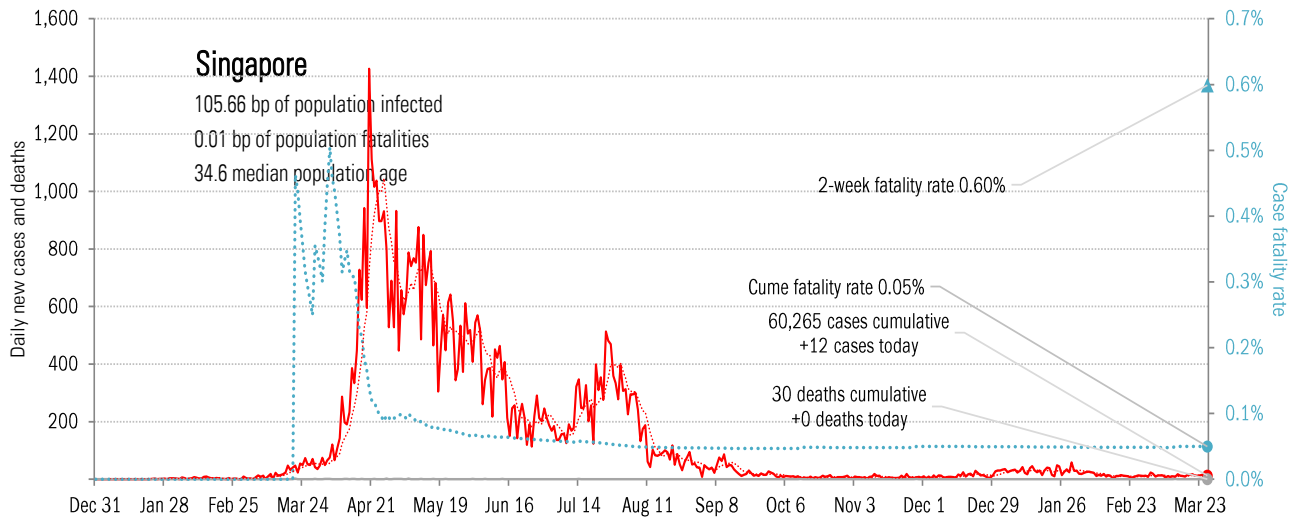
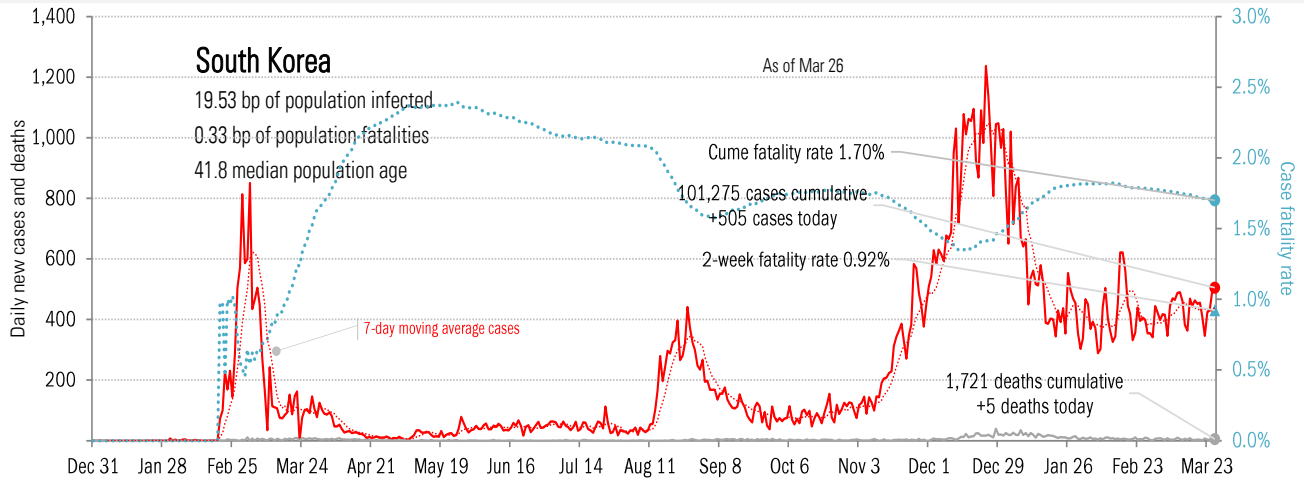


# Impact in continental Europe



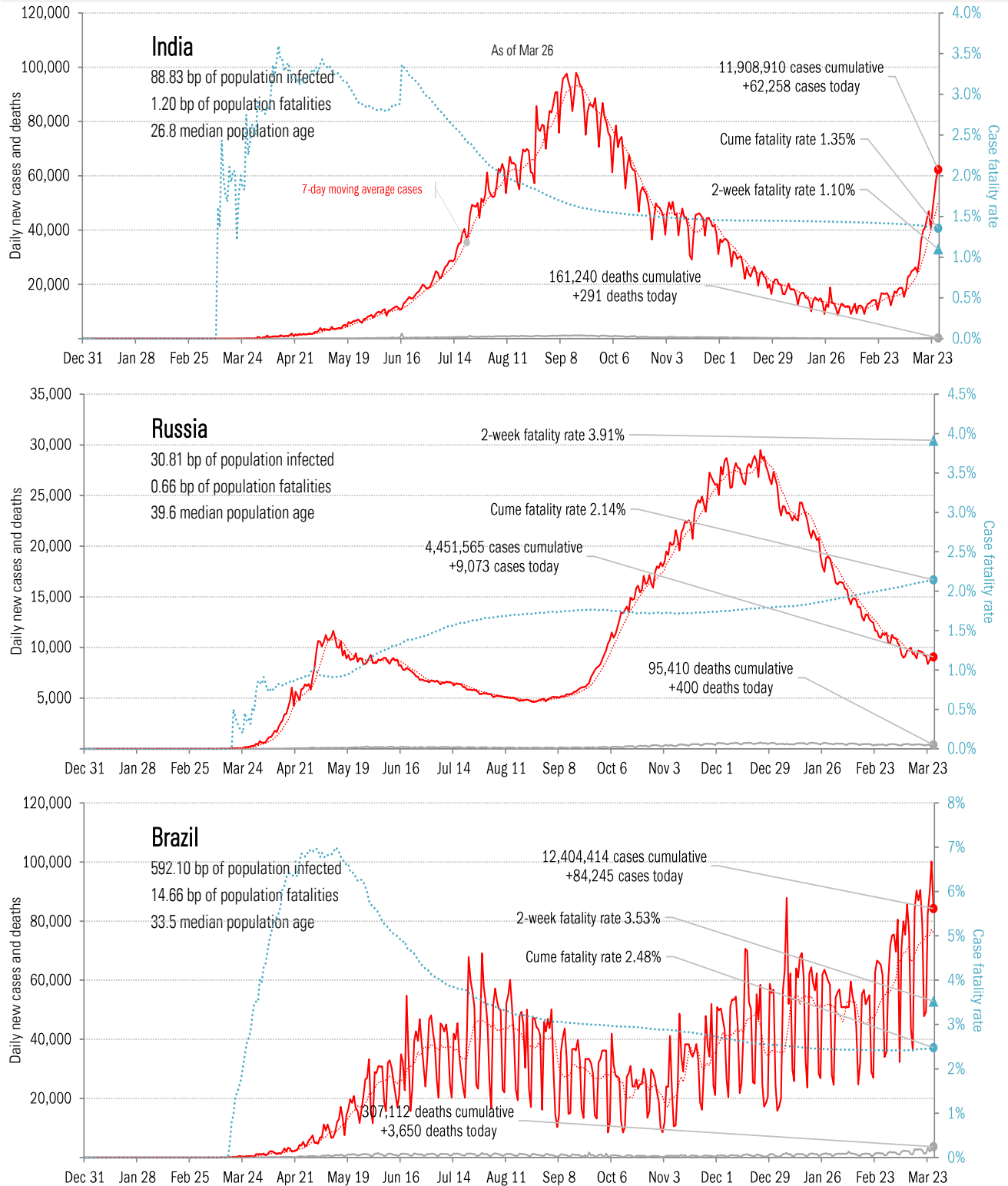
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



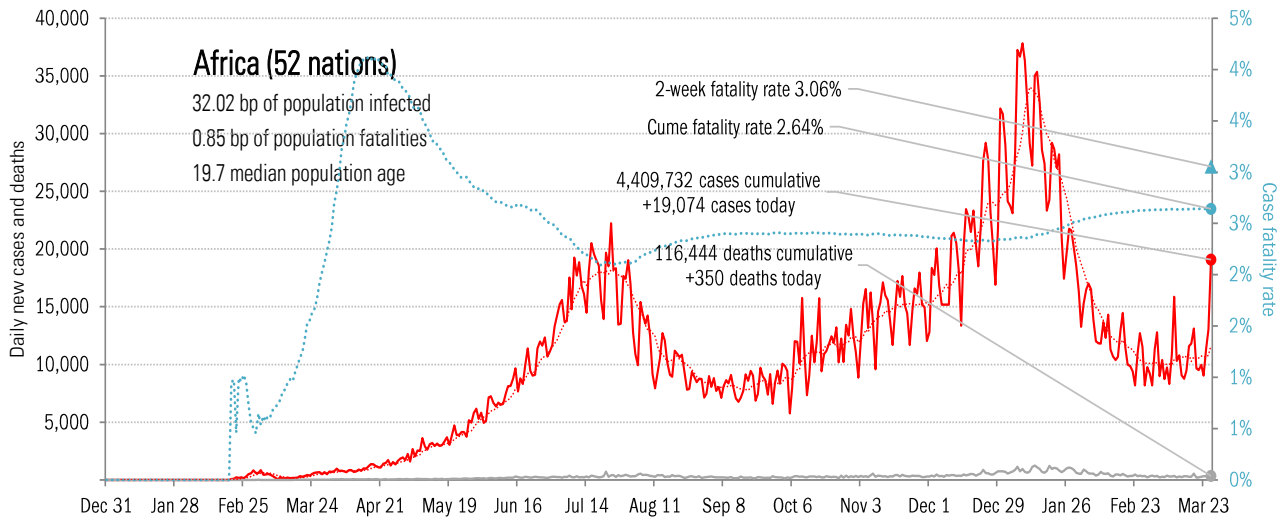
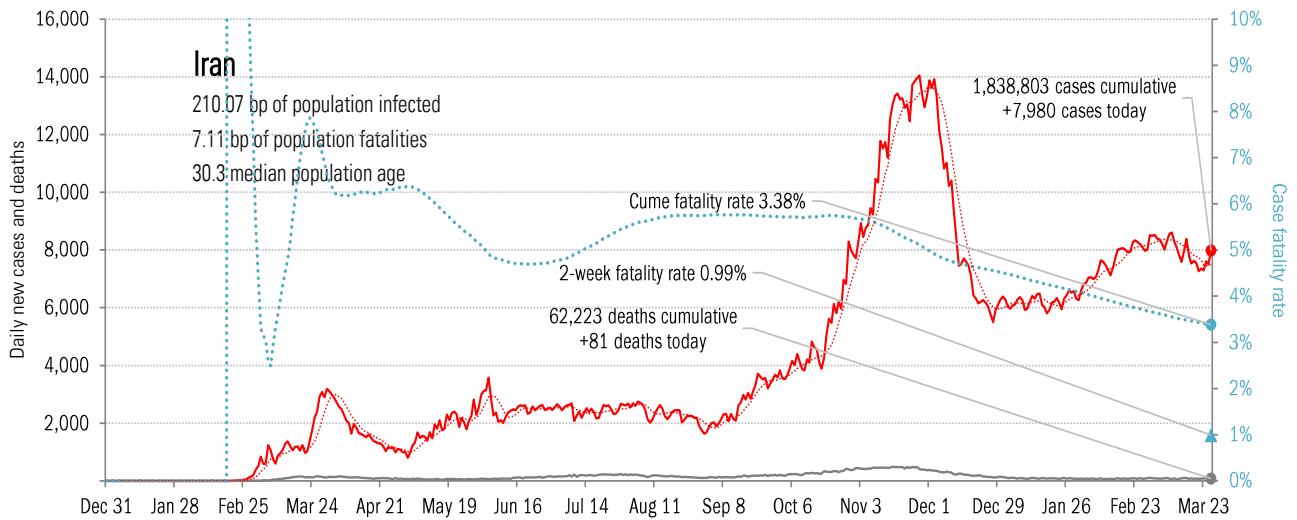
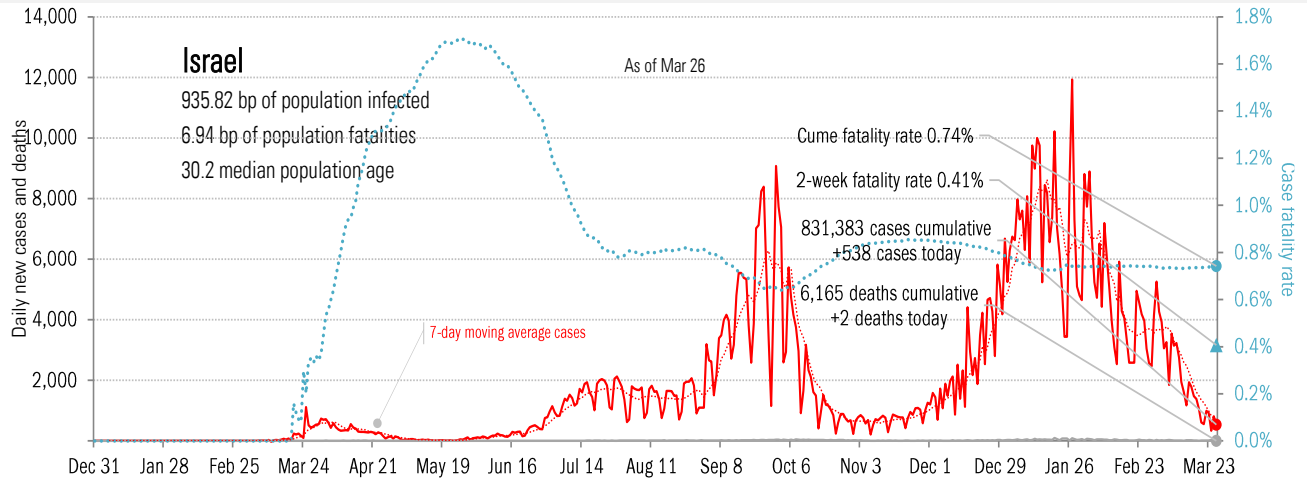
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



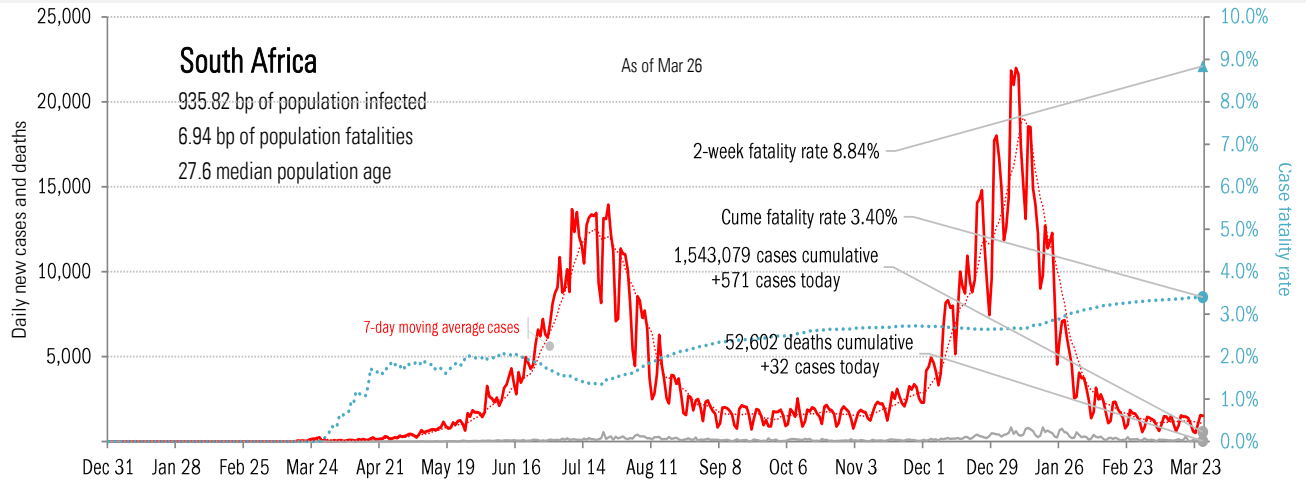
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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