

## Data Insights: Covid-2019 Monitor

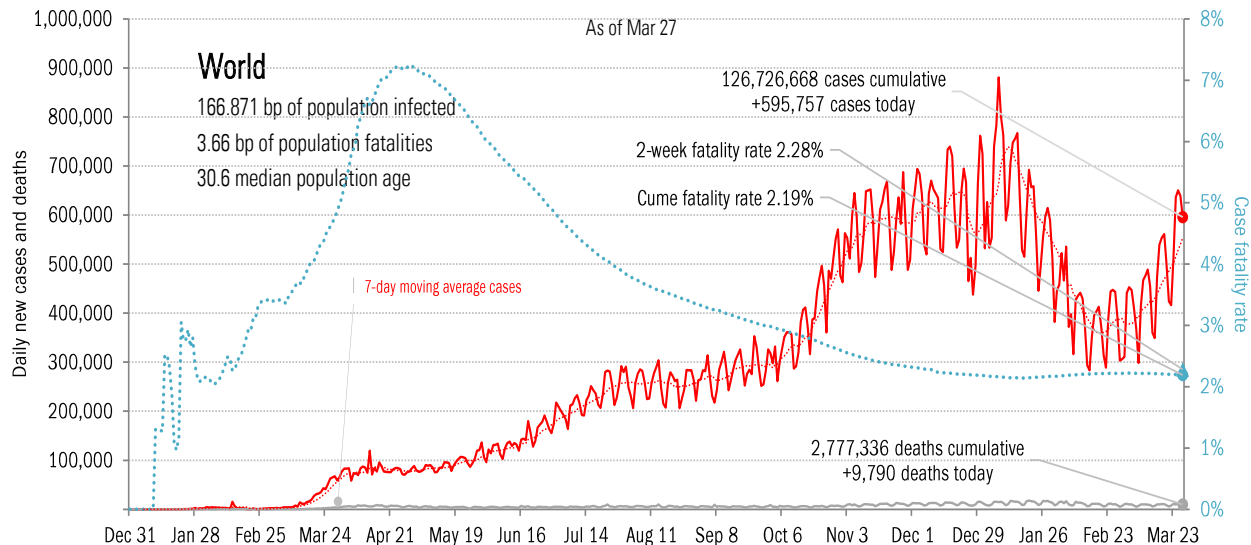
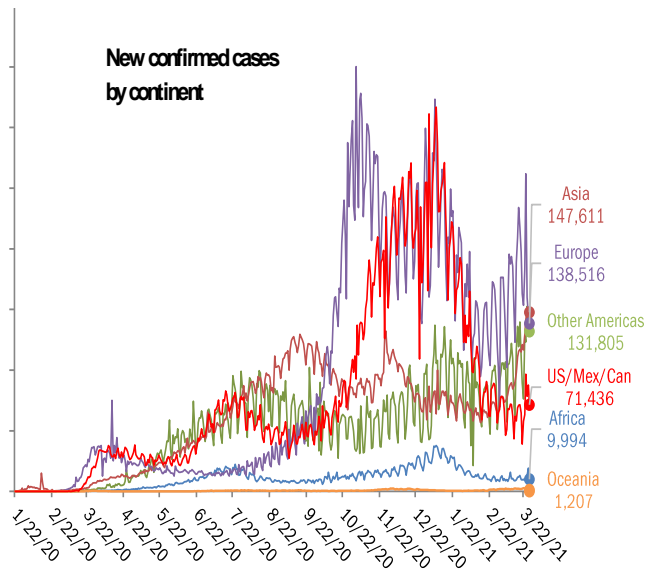
Sunday, March 28, 2021

### The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+85,948	Brazil	+3,438
India	+62,714	United States	+741
United States	+62,062	Mexico	+567
France	+42,634	Poland	+448
Poland	+31,759	Russia	+382
Turkey	+30,021	Italy	+380
Ukraine	+29,458	India	+312
Italy	+23,834	Ukraine	+295
Germany	+17,628	Hungary	+253
Argentina	+10,338	Peru	+206
<b>+396,396</b>		<b>+7,022</b>	
World	+595,757	World	+9,790
Top ten	67%	Top ten	72%

New confirmed cases by continent



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

#### For more information contact us:

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# The US scorecard

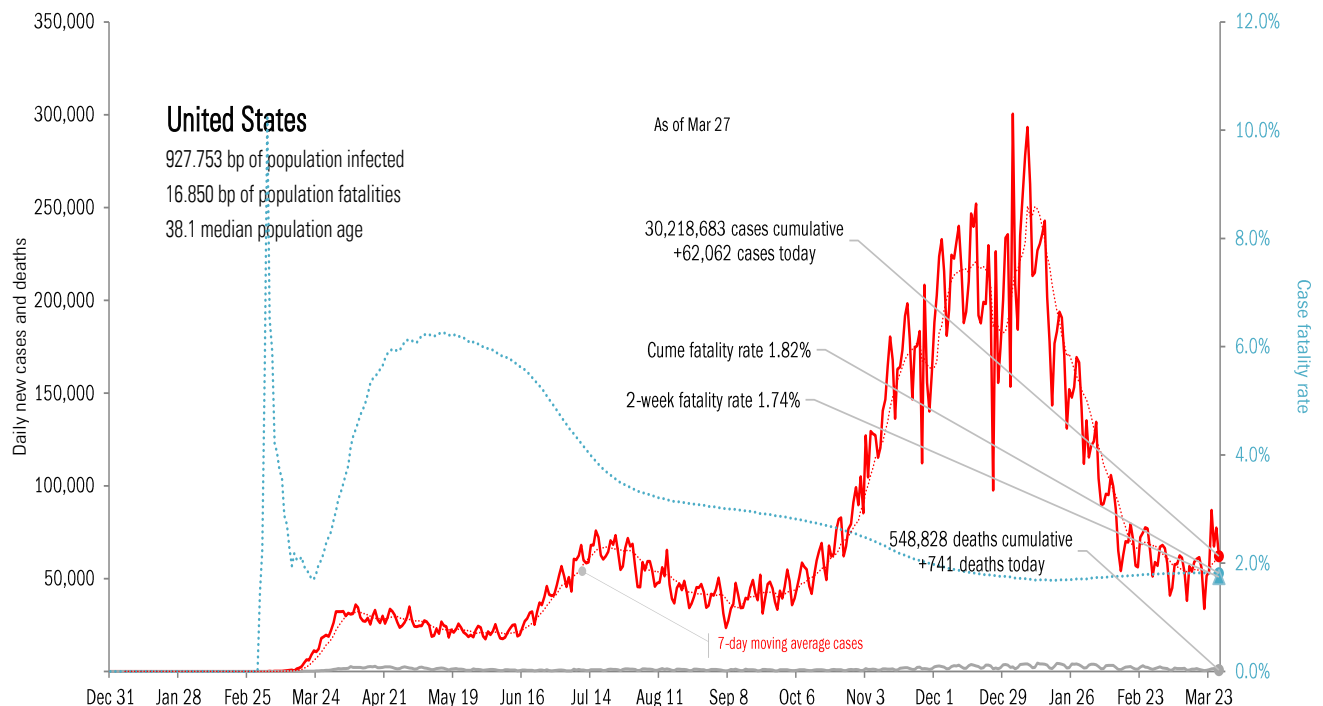
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	+8,694		CA	+171		FL	+95		CA	3,658,714		CA	58,815		TX	225,358		R	94%	MD	20%
FL	+5,883		TX	+92		MI	+84		TX	2,779,464		NY	49,928		CA	221,896		MA	83%	NY	19%
PA	+5,596		NY	+80		NY	+74		FL	2,039,062		TX	48,039		FL	150,903		MD	82%	MI	16%
MI	+5,245		GA	+77		MD	+39		NY	1,841,822		FL	33,142		NY	113,540		CT	81%	ID	14%
NJ	+4,662		MA	+35		CH	+37		IL	1,235,485		PA	24,960		GA	94,220		PA	79%	MS	14%
TX	+3,094		PA	+28		GA	+28		GA	1,054,430		NJ	24,382		CH	75,069		MI	79%	TX	14%
IL	+2,684		FL	+26		NJ	+26		PA	1,013,488		IL	23,498		PA	73,163		MO	78%	GA	13%
MA	+2,570		IL	+26		CO	+20		CH	1,010,603		GA	18,926		KY	67,976		GA	78%	WV	13%
CA	+2,104		MI	+24		IN	+20		NC	905,528		CH	18,525		IL	67,956		FL	78%	NJ	13%
VA	+1,912		NJ	+24		TN	+19		NJ	892,143		MA	17,086		AZ	58,156		NC	77%	DC	12%
+42,444			+583			+442			16,430,739			317,301			1,148,237						
All states	+62,062		+741			+295			All states	30,218,683		548,828			2,041,448			All states	70%	67%	
Top ten	68%		79%			150%			Top ten	54%		58%			56%			Median	70%	9%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-3,825	CH	-144	AL	-80	SD	+86 bp
NC	-2,154	FL	-133	PA	-75	ND	+77 bp
CT	-1,700	NC	-41	CA	-56	WV	+72 bp
CA	-1,338	CA	-39	NC	-32	KS	+72 bp
CH	-1,052	KY	-38	MA	-25	MS	+69 bp



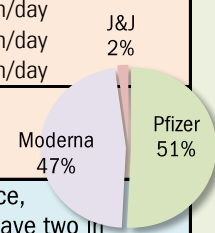
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
188.97 million doses distributed	+3.15 million/day	United States 15.0%
146.18 million doses administered	+3.61 million/day	United Kingdom 4.9%
95.07 million persons partially immunized	+2.20 million/day	France 3.9%
52.35 million persons fully immunized	+1.50 million/day	Spain 5.4%
7.71 million shots long-term care residents/staff	+0.01 million/day	Germany 4.5%
		Italy 4.8%
		Australia 0.6%
		Israel 54.4%
		Canada 1.8%
		Japan 0.0%
		Africa 0.3%
		India 0.6%
		Brazil 1.9%

77.4% of distributed doses administered  
 28.5% of US pop partial  
 100% of LTC partial

15.7% full immunity  
 63.1% full immunity



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

**142 days**  
by Aug 15, 2021

**52 days**  
US will achieve herd immunity in  
by May 17, 2021

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

AK
78.0%
33.2%
21.4%

Global data differs due to sources

China NA	ME
	58.9%
	32.4%
	18.4%

WI	VT	NH
51.5%	63.0%	54.7%
30.1%	31.4%	29.7%
17.3%	16.9%	19.2%

WA	ID	MT	ND	MN	IL	MI	NY	MA
54.0%	50.9%	59.2%	57.4%	51.5%	54.3%	52.6%	57.1%	55.8%
28.1%	24.6%	29.0%	30.7%	29.6%	29.0%	26.8%	29.1%	31.9%
16.2%	15.3%	17.4%	19.0%	17.0%	15.4%	15.6%	14.6%	17.4%

OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
52.3%	50.3%	61.2%	65.7%	53.8%	49.4%	54.6%	56.0%	54.0%	62.0%	58.2%
26.6%	26.4%	25.4%	33.3%	29.2%	24.1%	27.4%	30.0%	31.2%	33.0%	30.9%
15.4%	14.9%	16.6%	21.0%	17.8%	15.7%	15.6%	15.3%	16.8%	18.6%	18.8%

CA	UT	CO	NE	MO	KY	WV	VA	MD	DE
55.3%	46.8%	53.1%	55.4%	53.1%	53.1%	59.6%	52.6%	55.2%	57.0%
28.7%	24.4%	27.6%	28.6%	24.5%	29.7%	28.8%	28.3%	29.1%	28.6%
14.8%	10.9%	16.4%	16.5%	13.6%	15.8%	18.3%	15.5%	15.6%	15.0%

AZ	NM	KS	AR	TN	NC	SC	DC
54.5%	63.8%	56.4%	55.1%	52.1%	54.2%	51.5%	69.7%
27.9%	36.1%	28.5%	24.8%	23.6%	27.7%	25.7%	23.9%
15.9%	22.0%	15.5%	12.9%	12.6%	15.3%	14.0%	12.0%

OK	LA	MS	AL	GA
64.0%	54.9%	54.3%	51.7%	50.7%
29.6%	24.9%	23.6%	22.4%	21.9%
16.5%	15.0%	13.9%	12.7%	11.8%

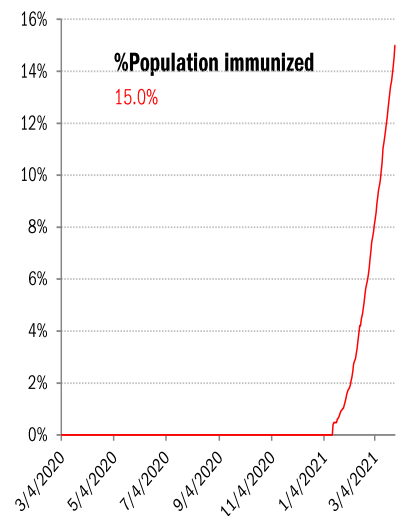
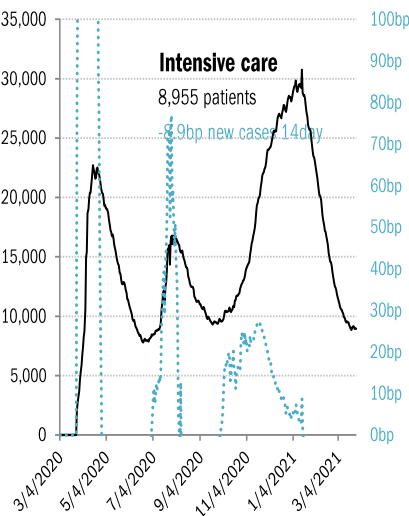
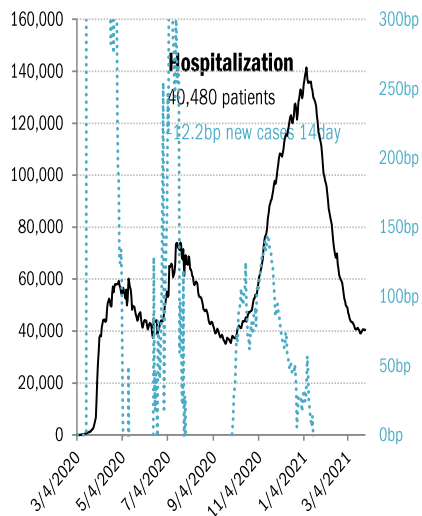
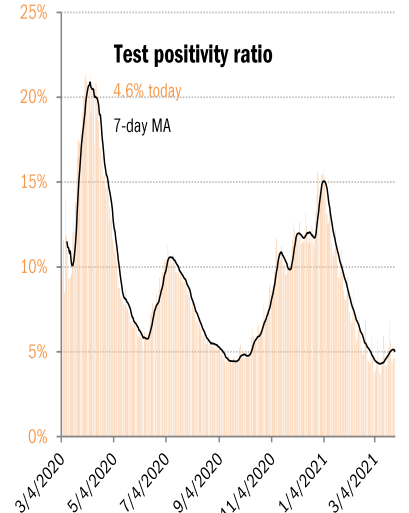
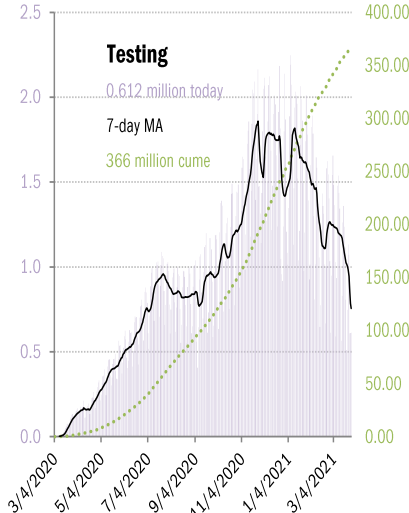
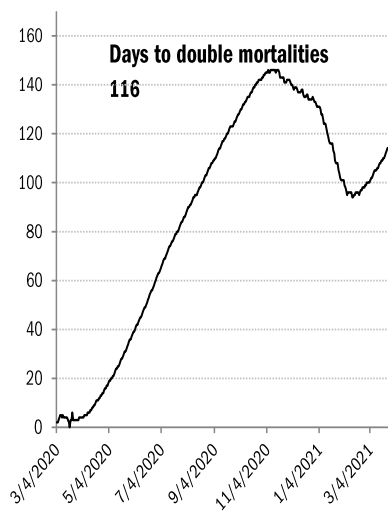
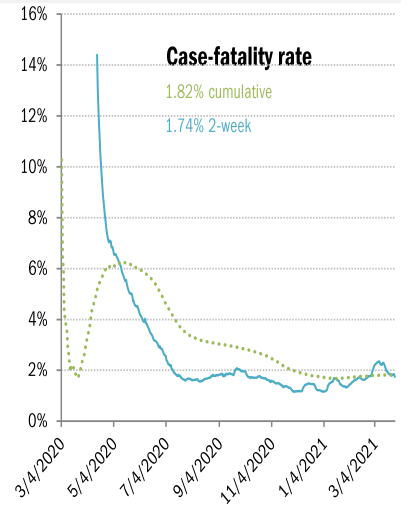
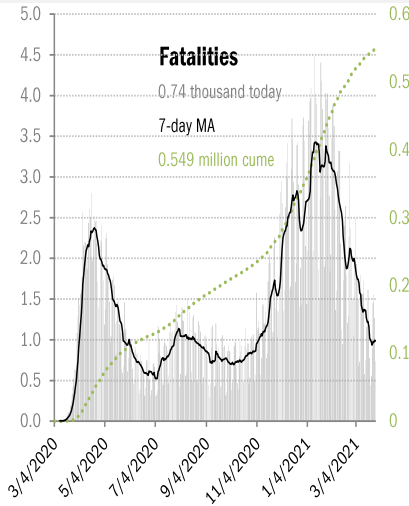
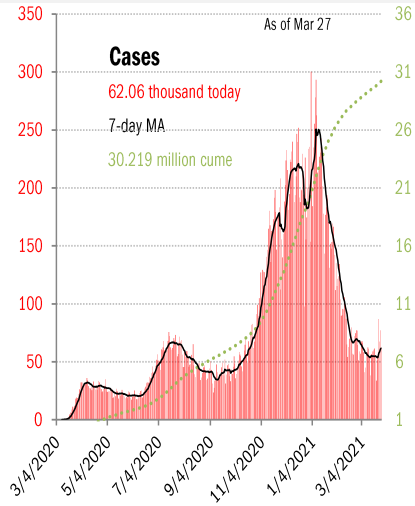
HI	TX	FL	PR
62.9%	50.6%	56.9%	58.9%
29.8%	24.0%	26.4%	20.8%
17.7%	12.3%	14.7%	11.7%

As of Mar 27

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

# US deep-dive

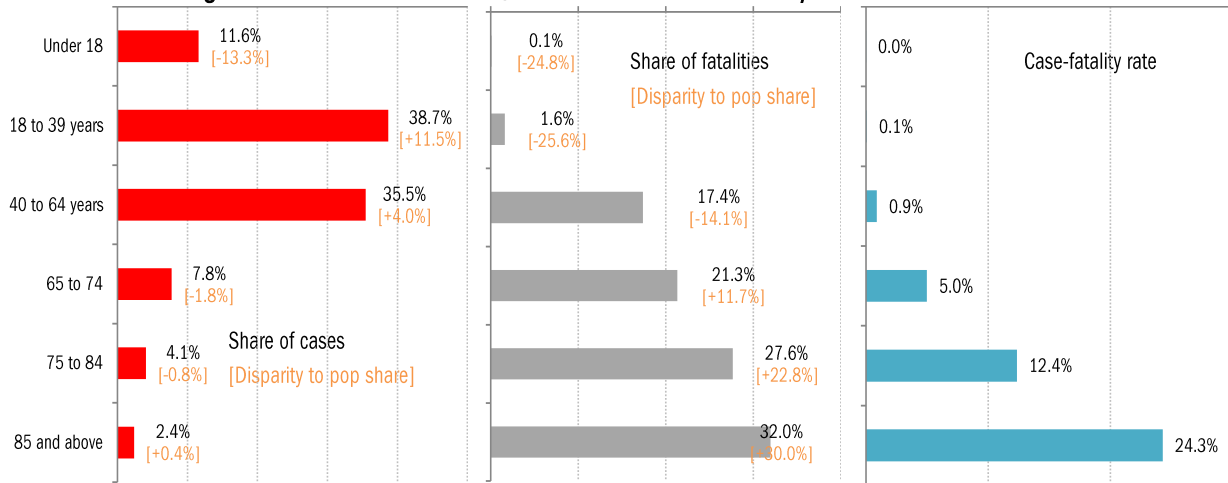
National and state-by-state data do not line up because of different sources



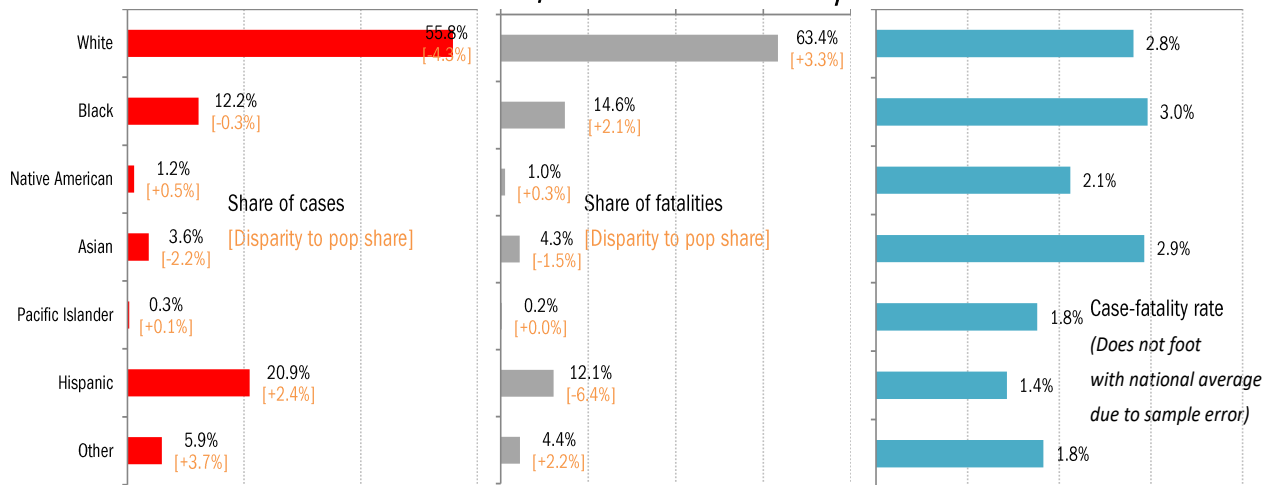
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

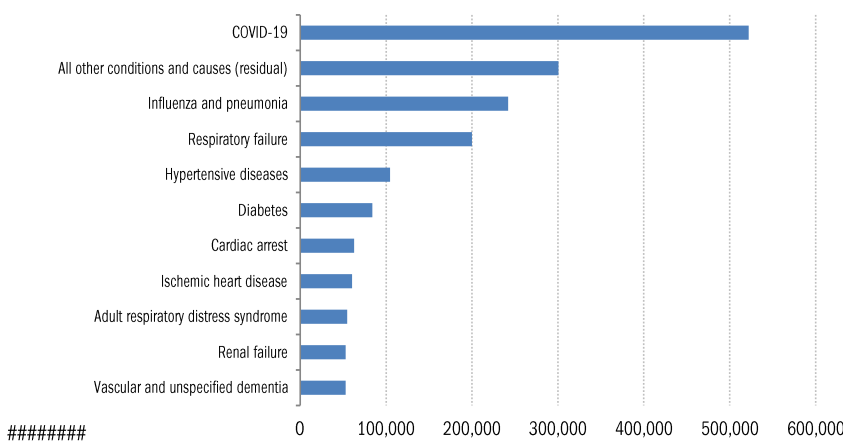


## Racial distribution of US cases, fatalities and case-fatality rates Cumulative



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

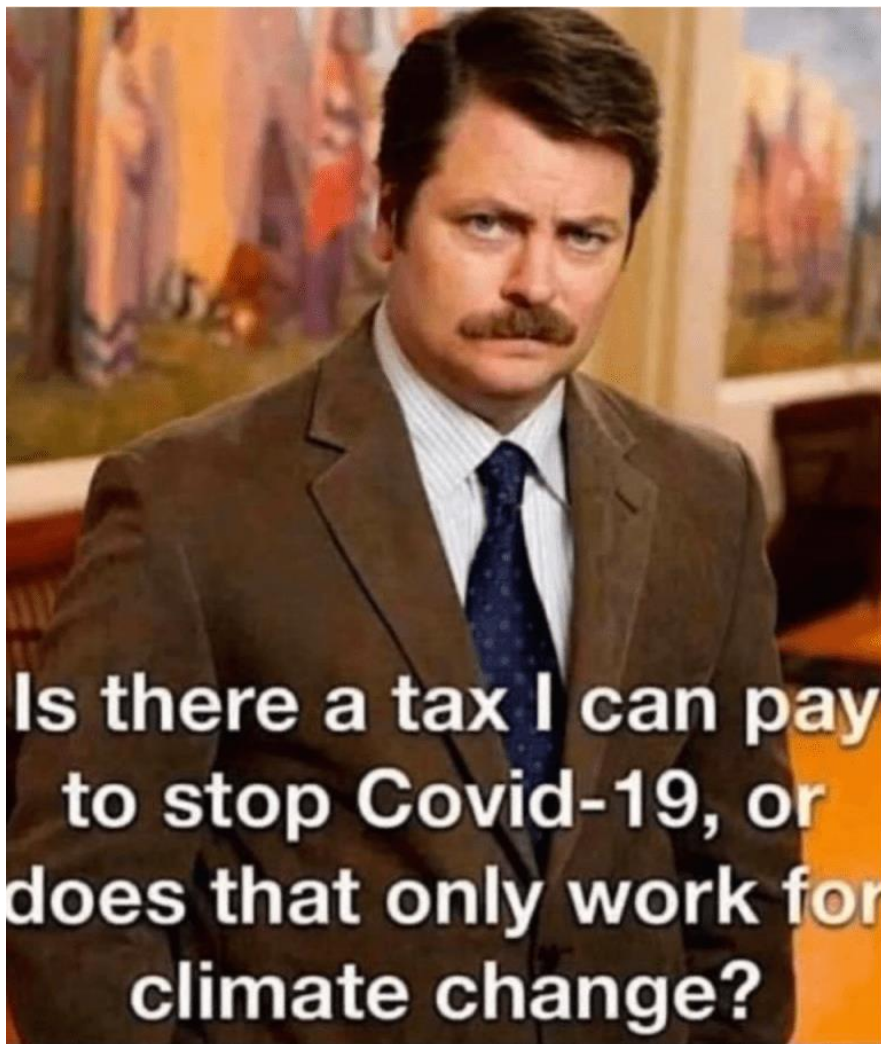
### [A Collapse Foretold: How Brazil's Covid-19 Outbreak Overwhelmed Hospitals](#)

Ernesto Londoño and Leticia Casado  
*New York Times*  
March 28, 2021

### [For a Night at the Theater, Bring a Negative Coronavirus Test](#)

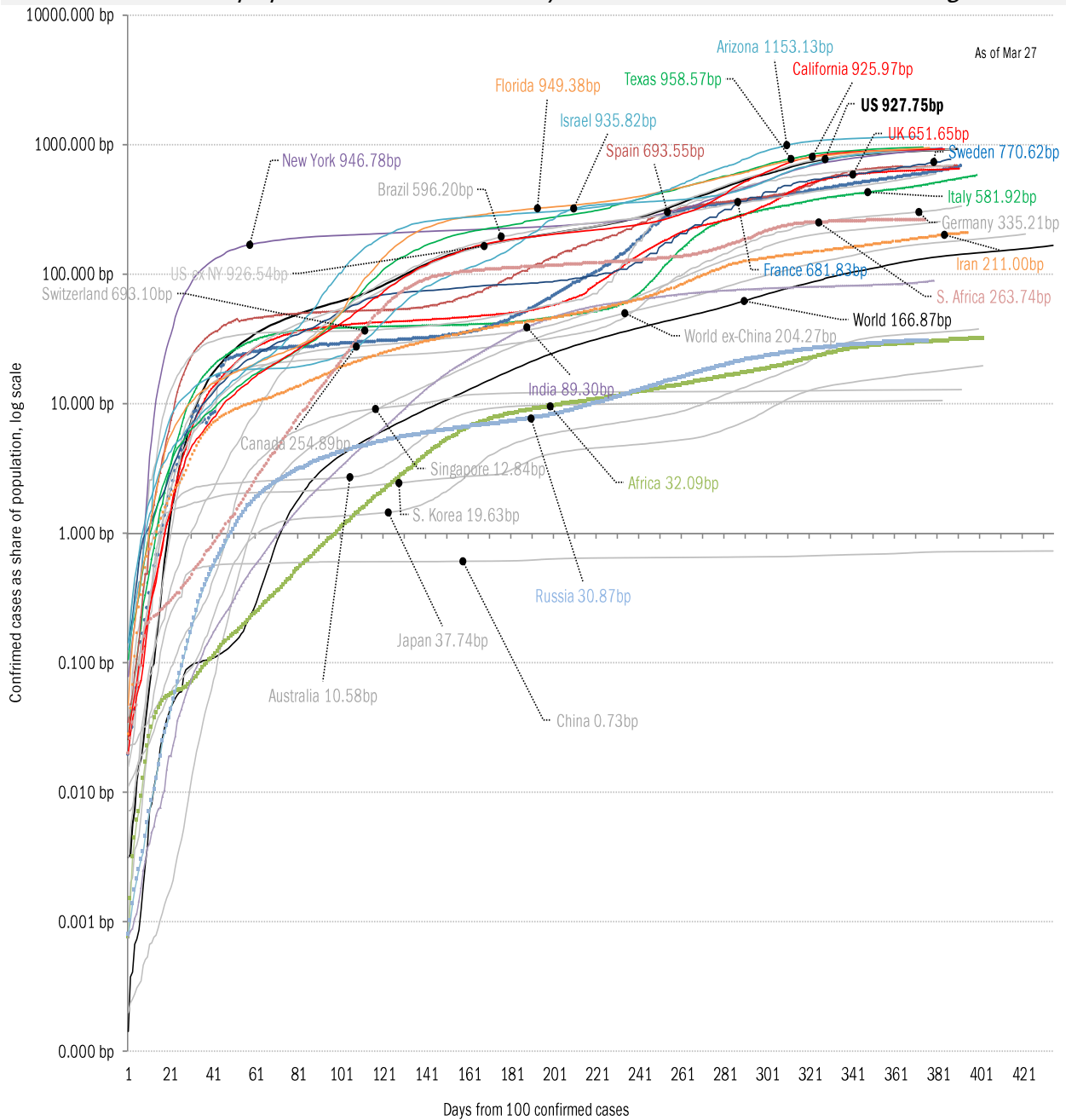
Christopher F. Schuetze  
*New York Times*  
March 24, 2021

## Meme of day



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

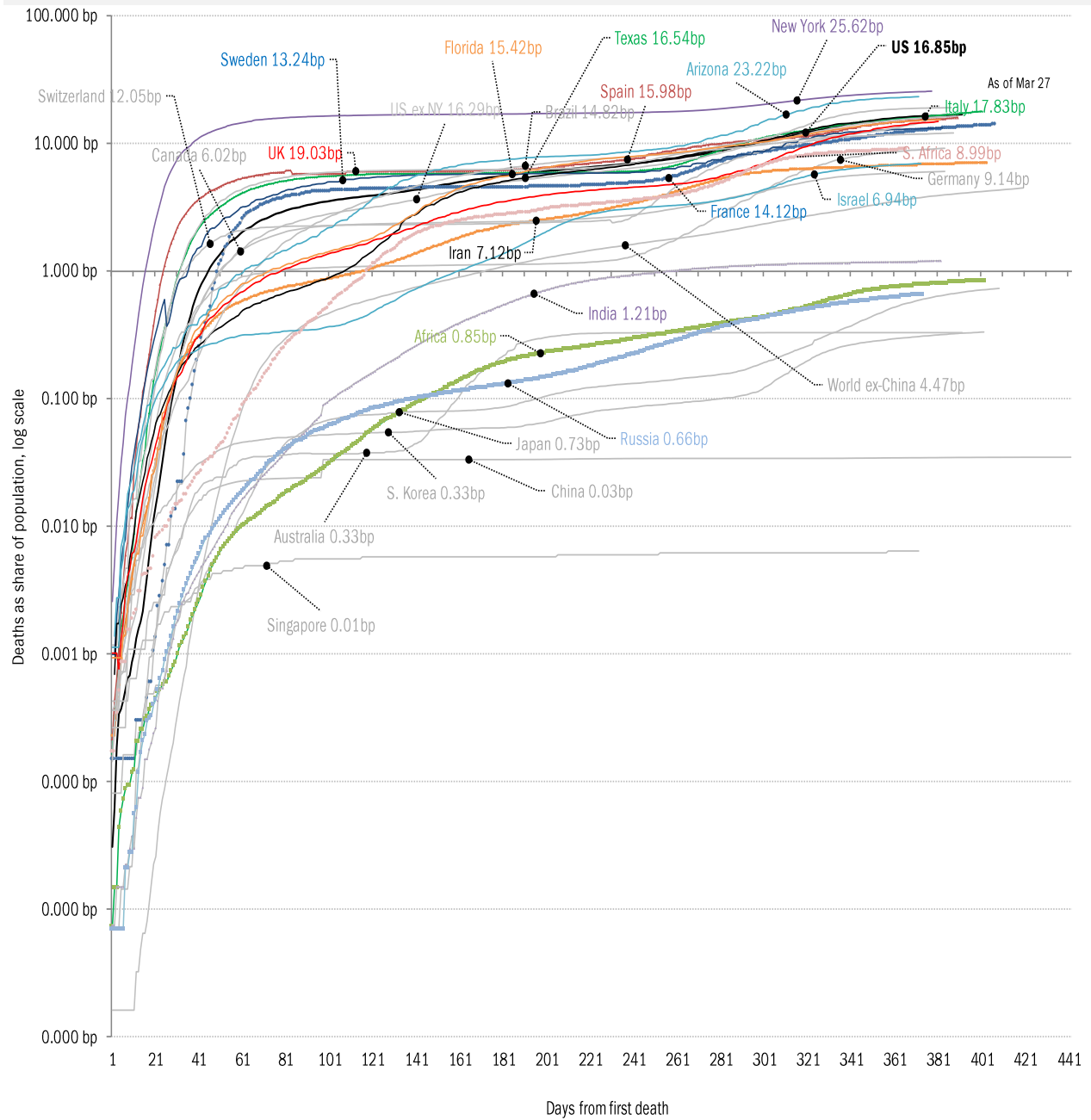
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

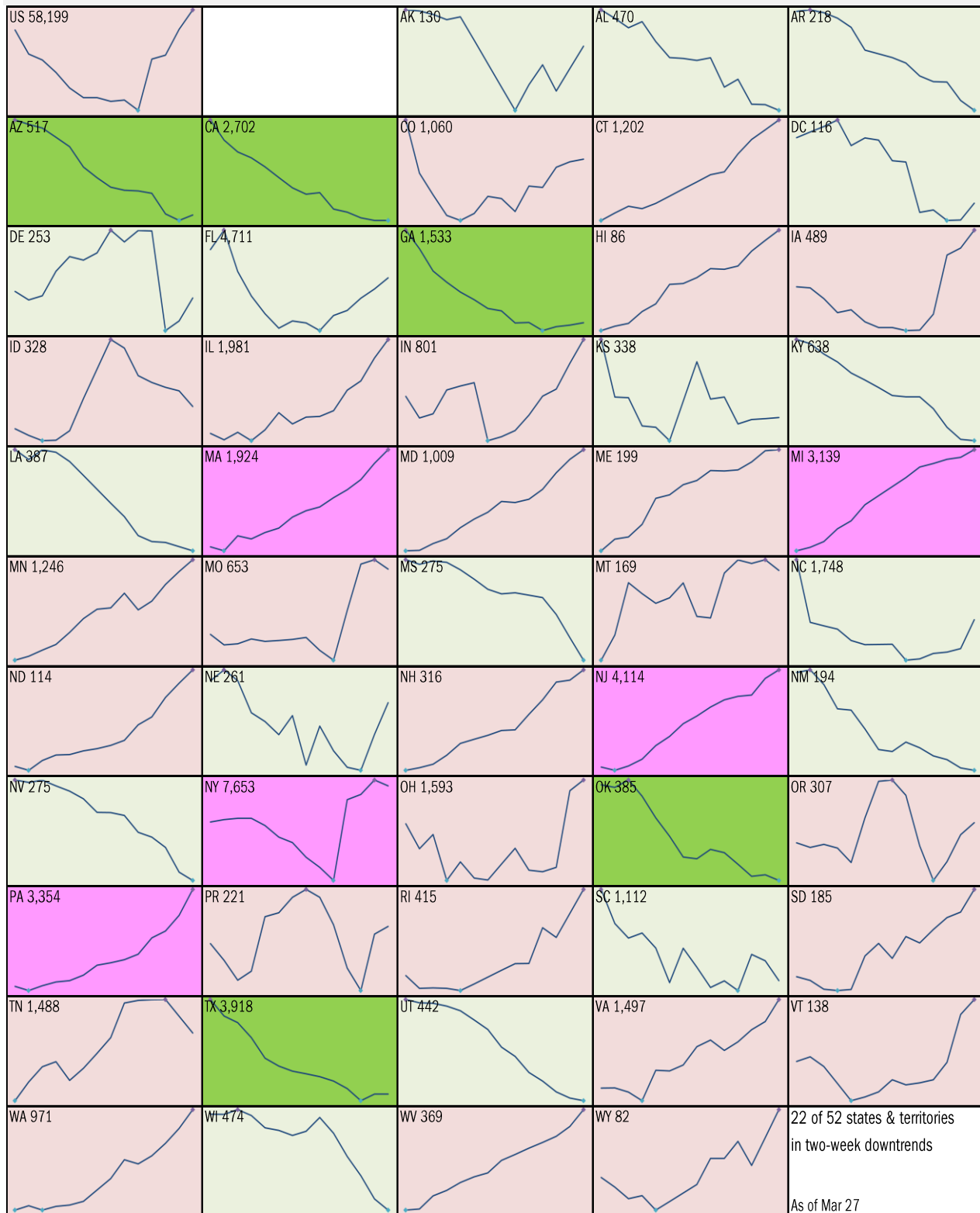


Source: [Johns Hopkins](#), TrendMacro calculations

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

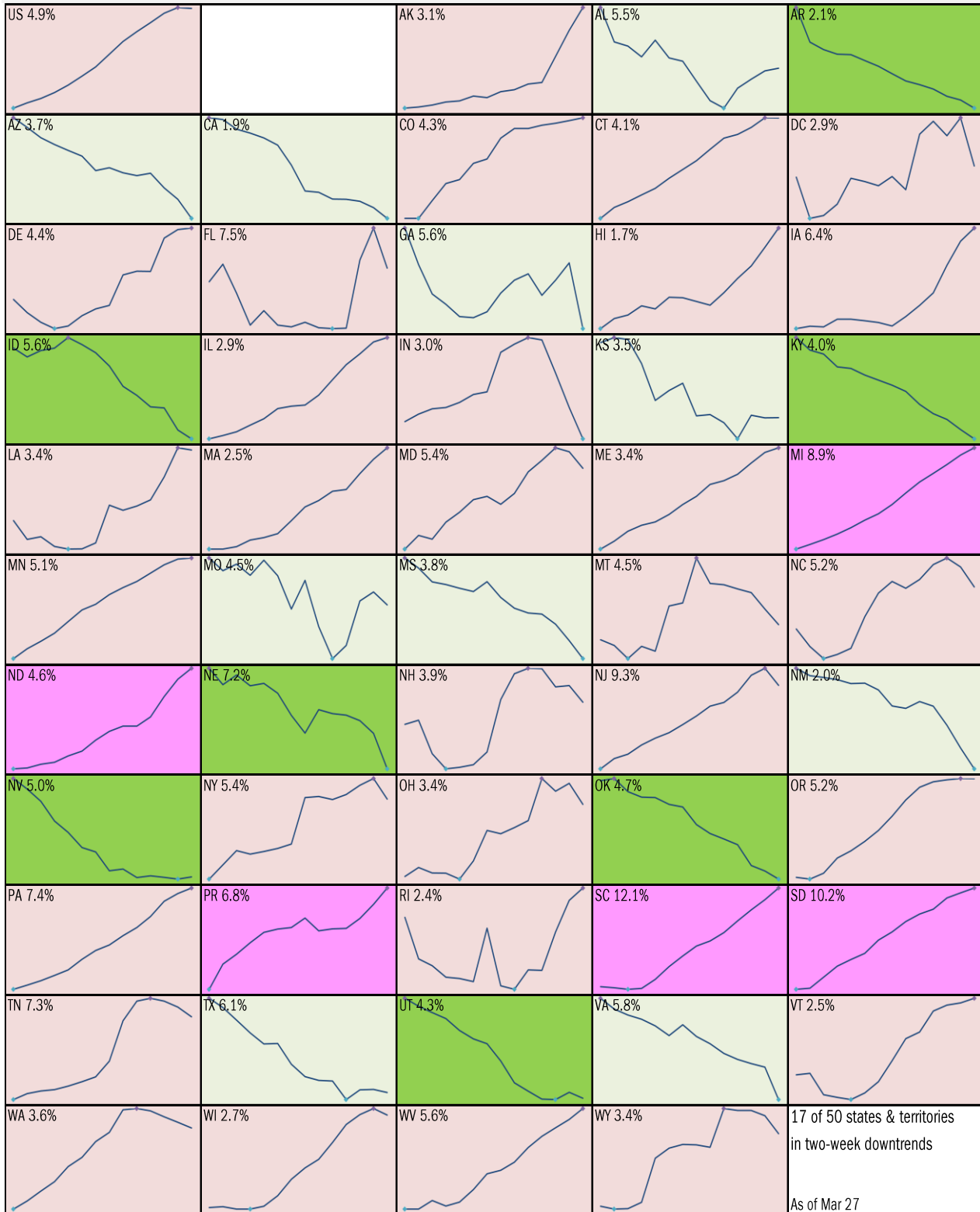


Source: [Johns Hopkins](#), TrendMacro calculations

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

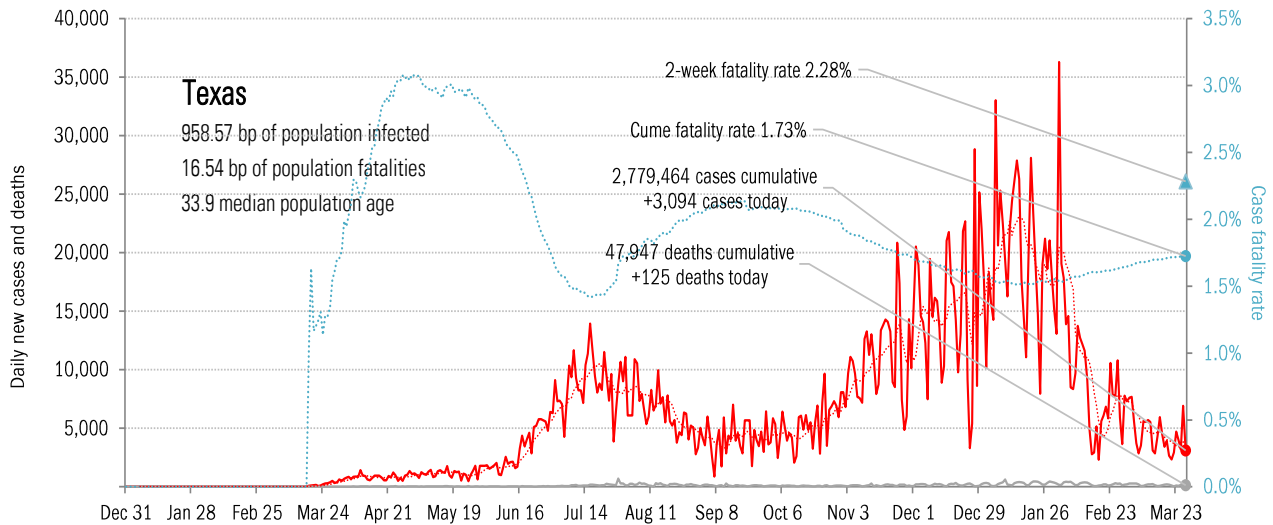
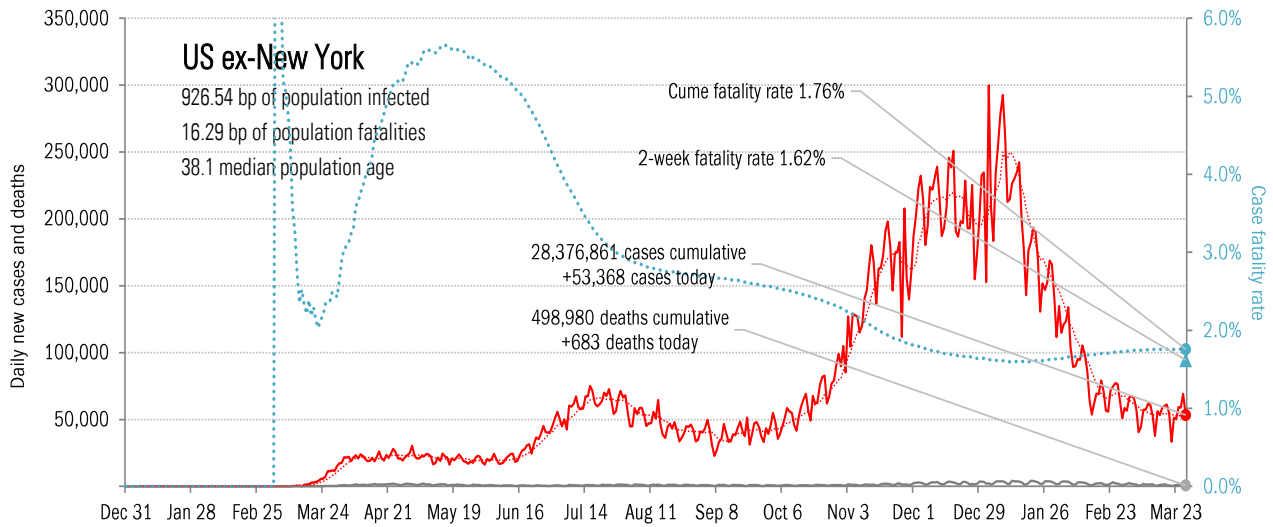
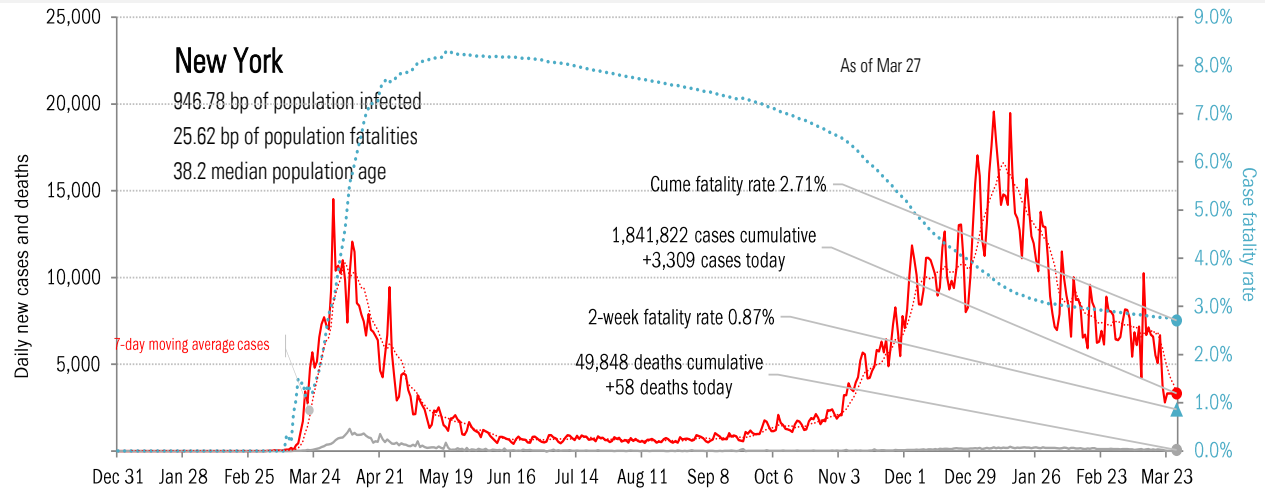
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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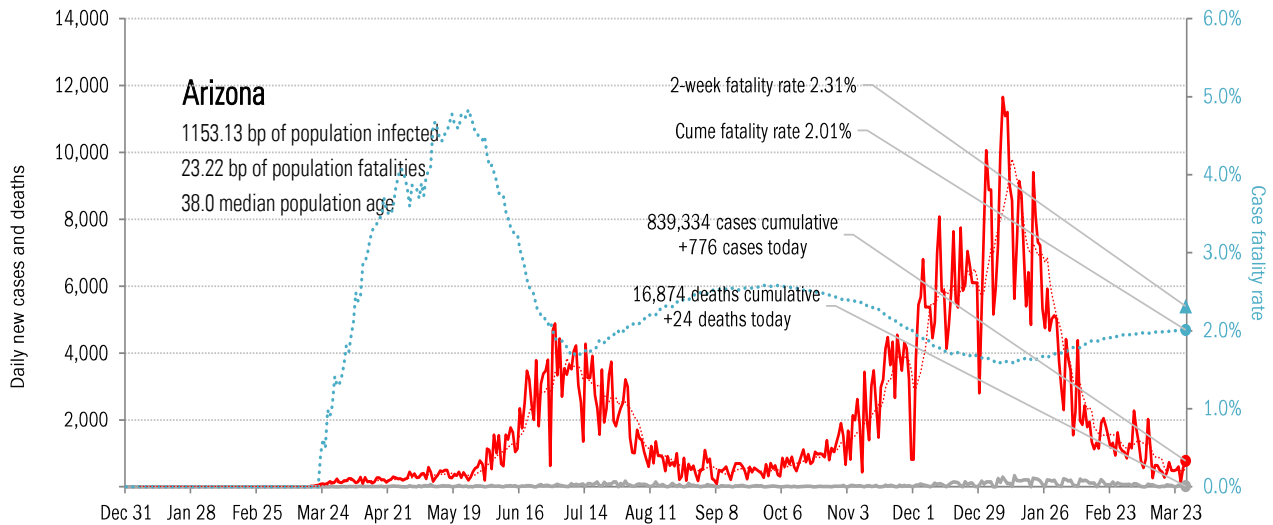
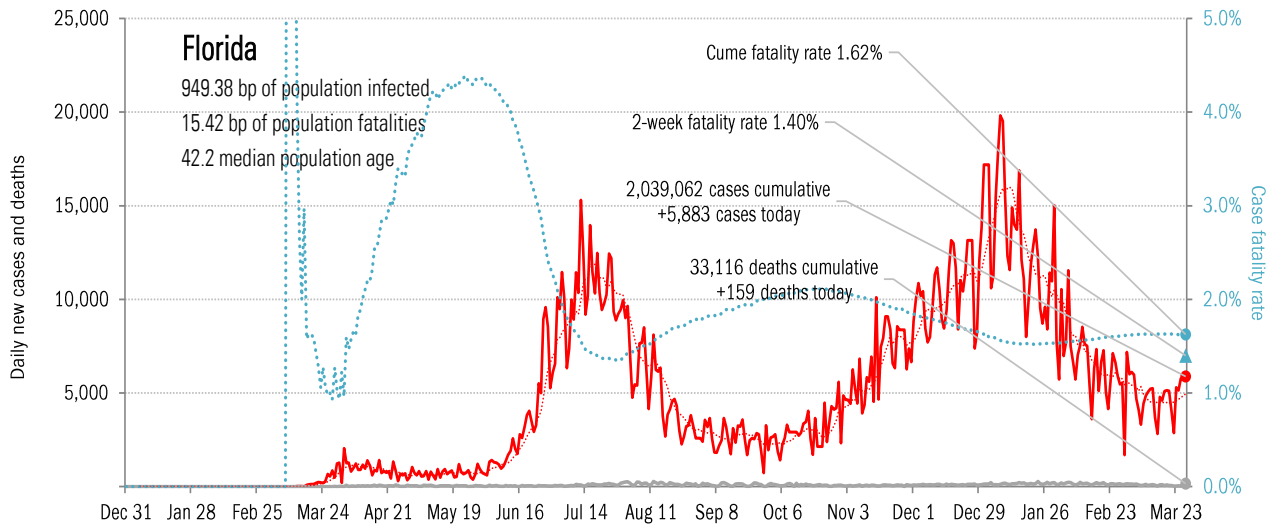
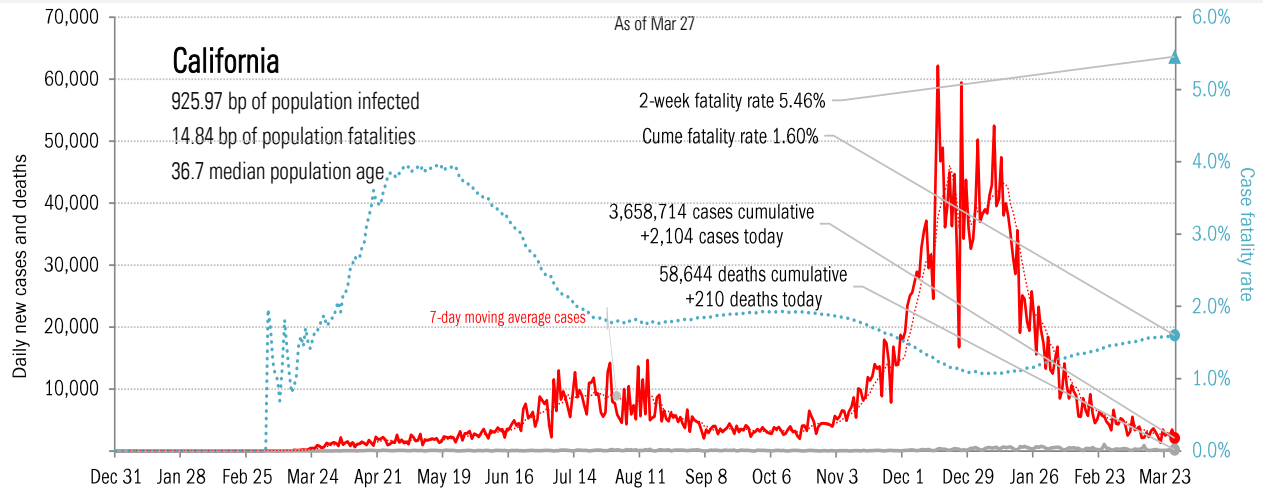
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



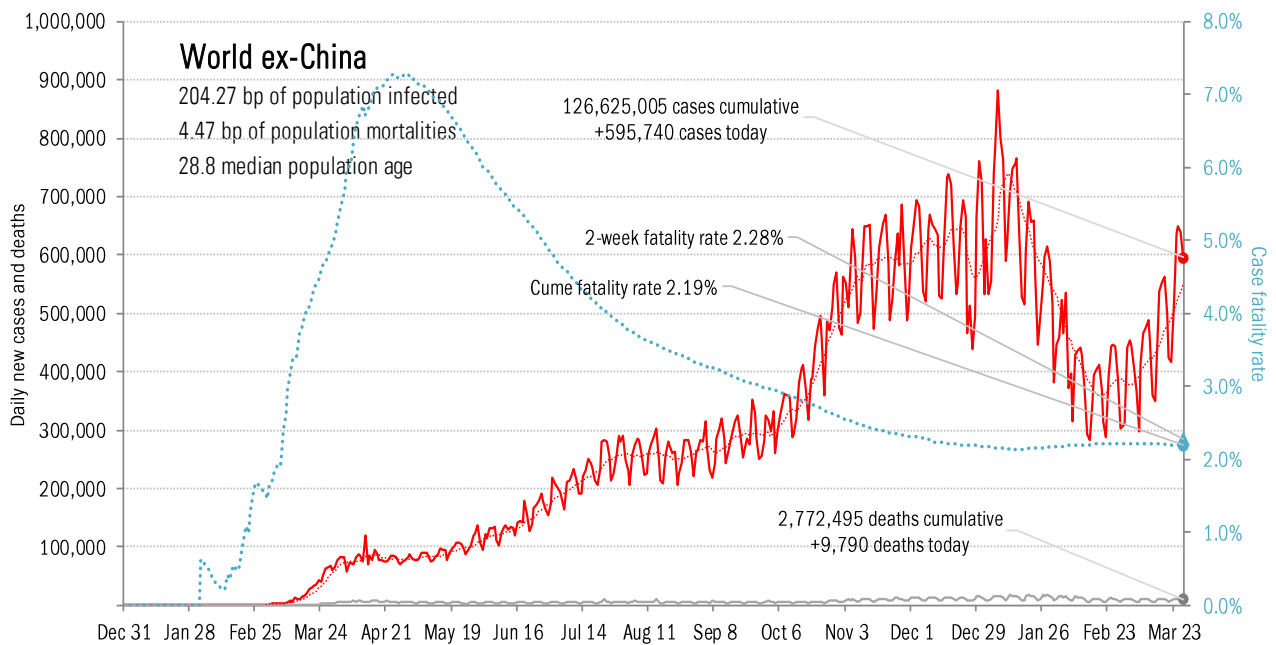
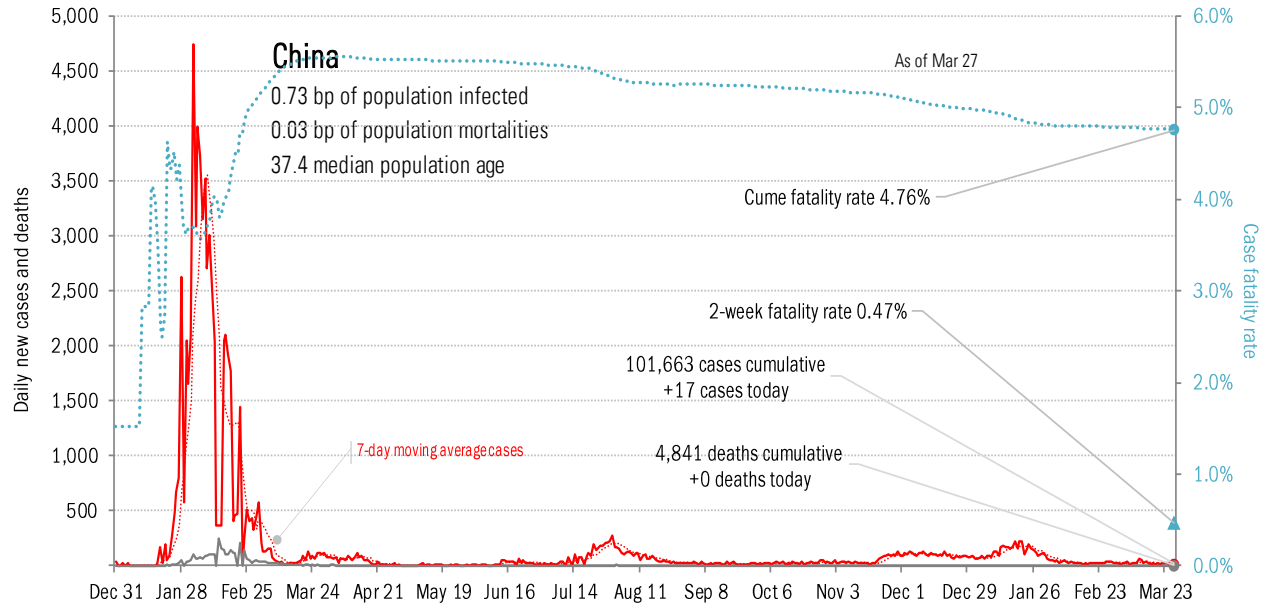
Source: [Johns Hopkins](#), TrendMacro calculations

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



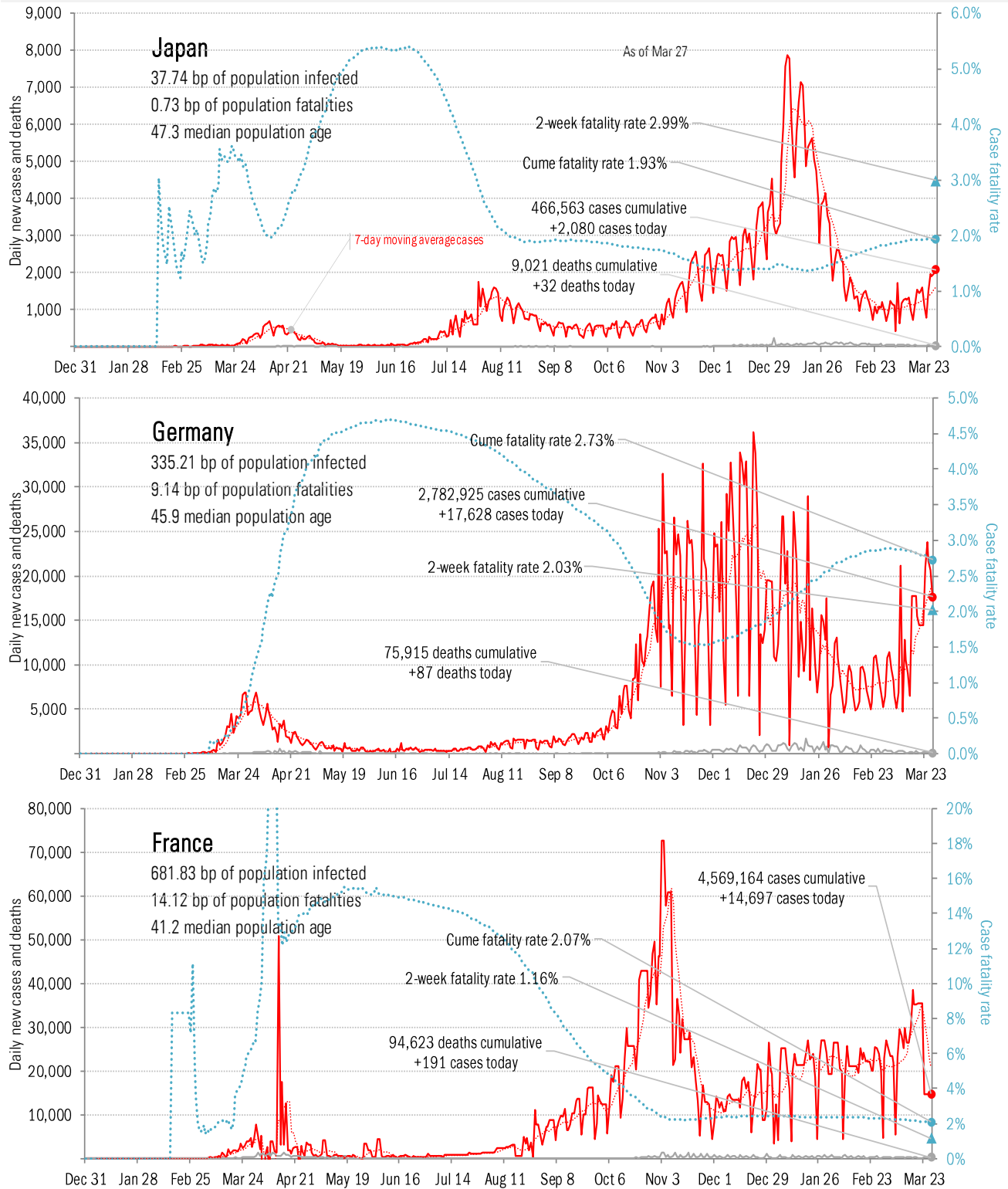
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



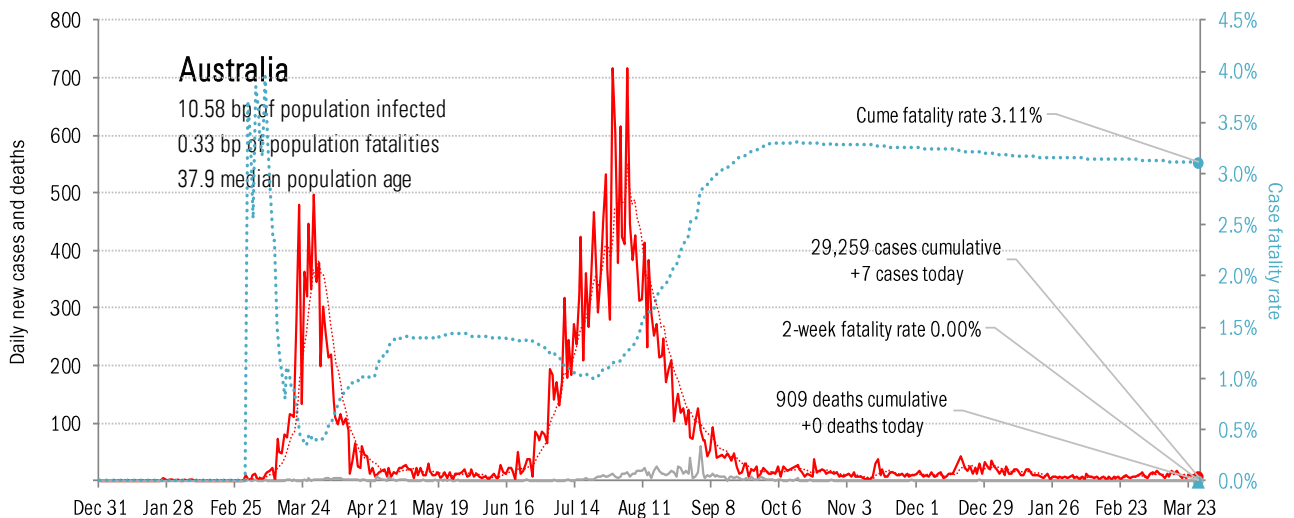
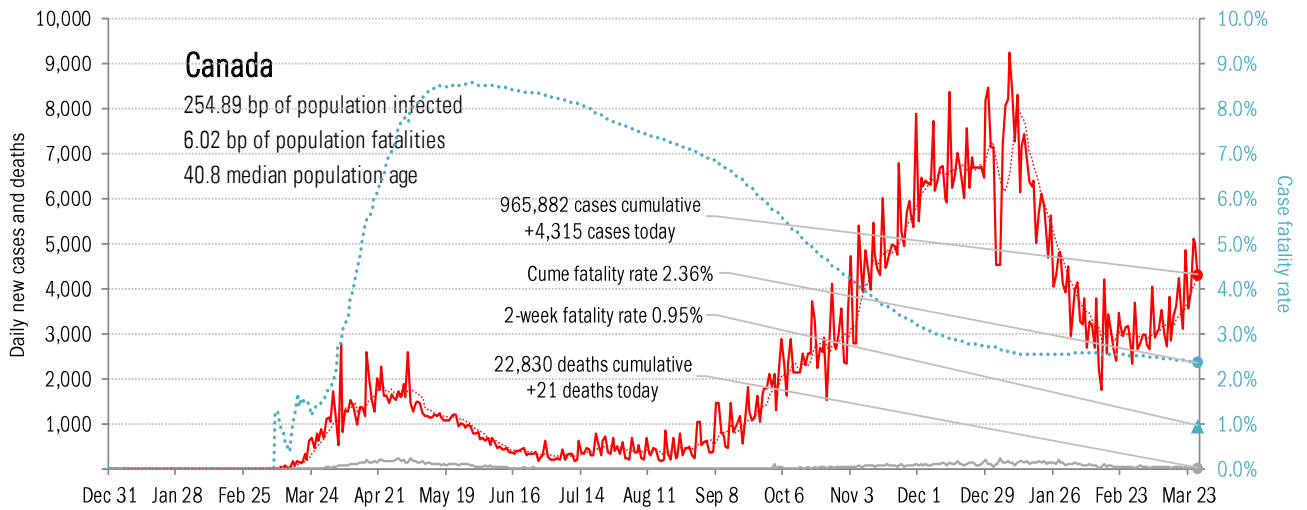
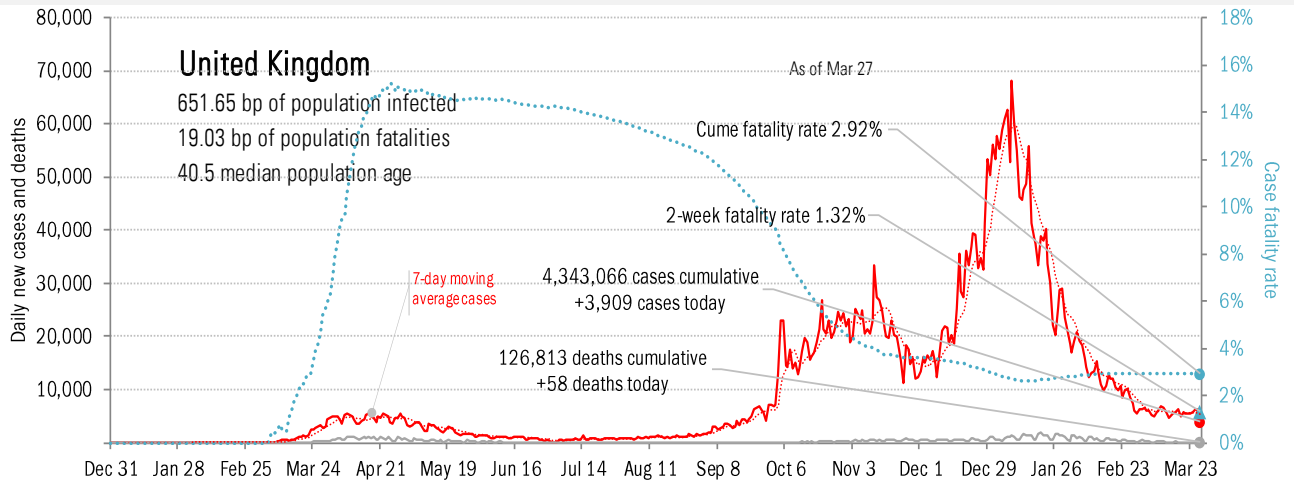
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

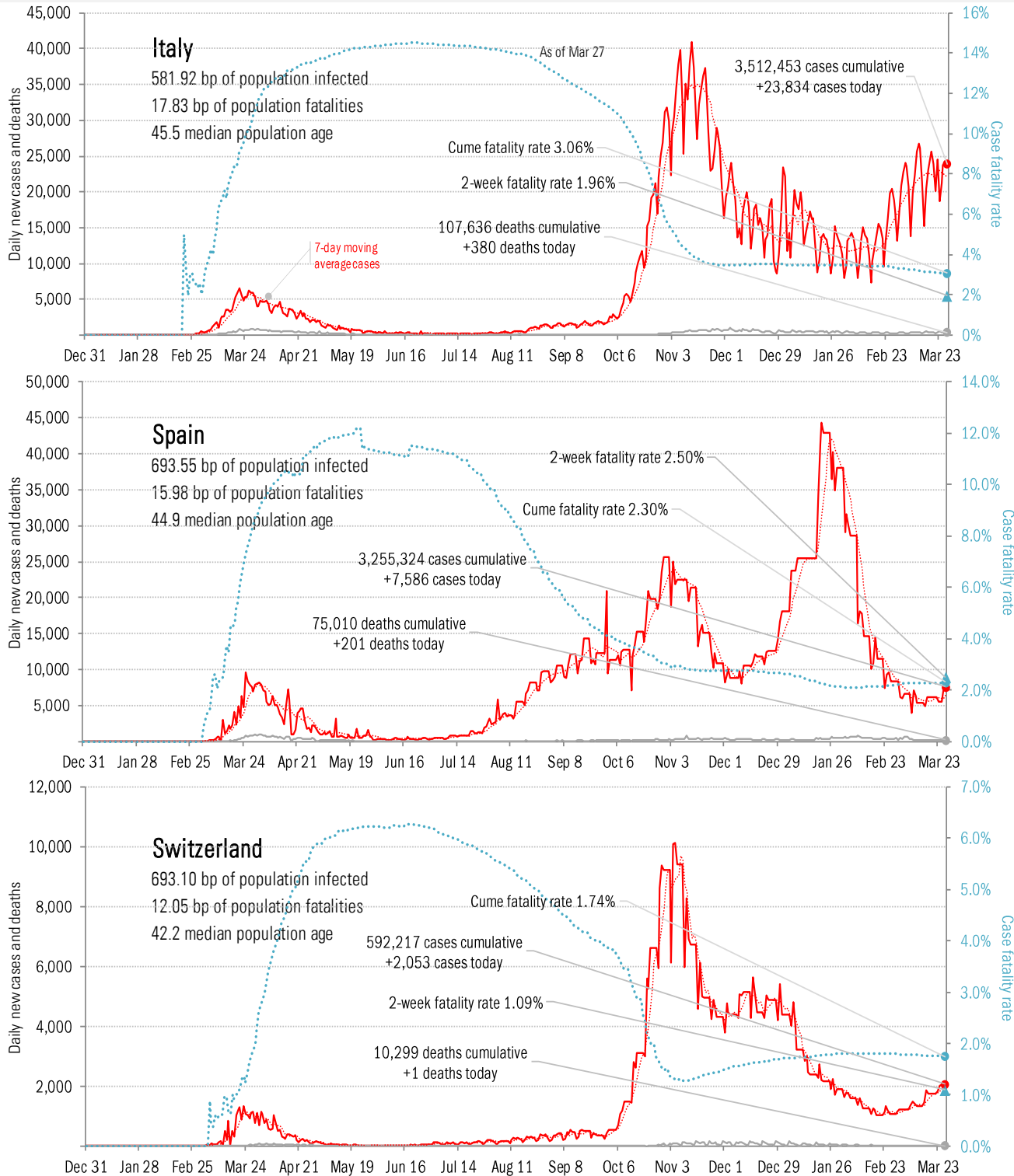
# Impact in The Anglosphere



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

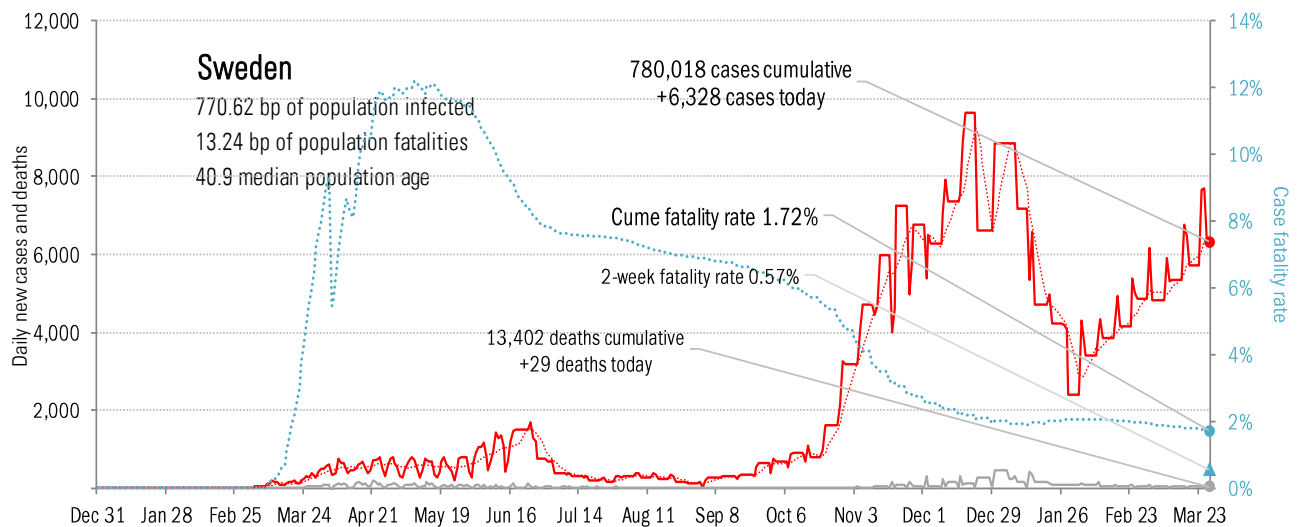
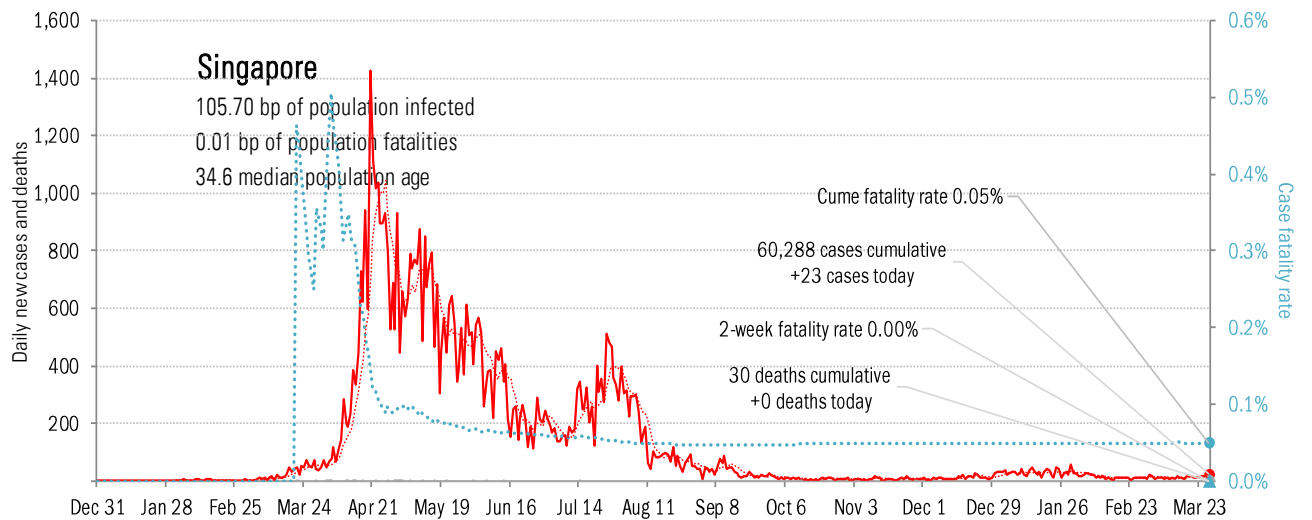
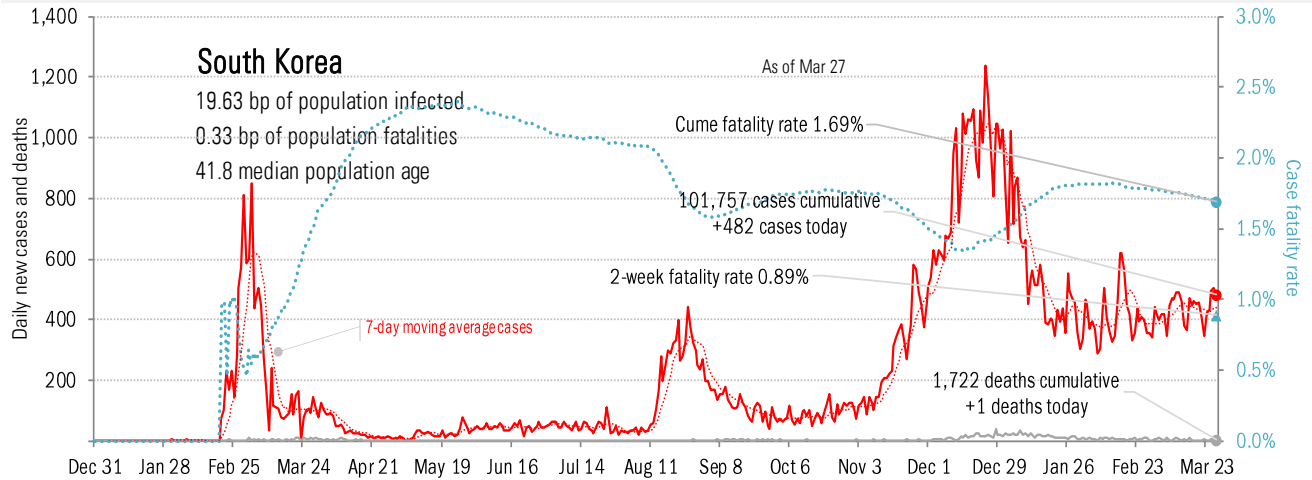


# Impact in continental Europe



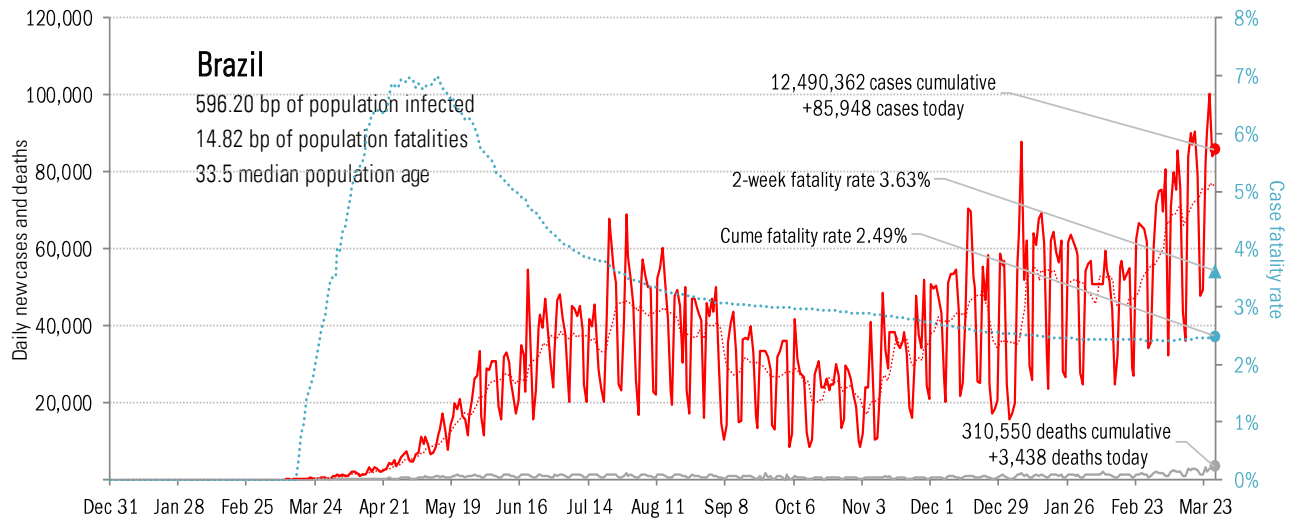
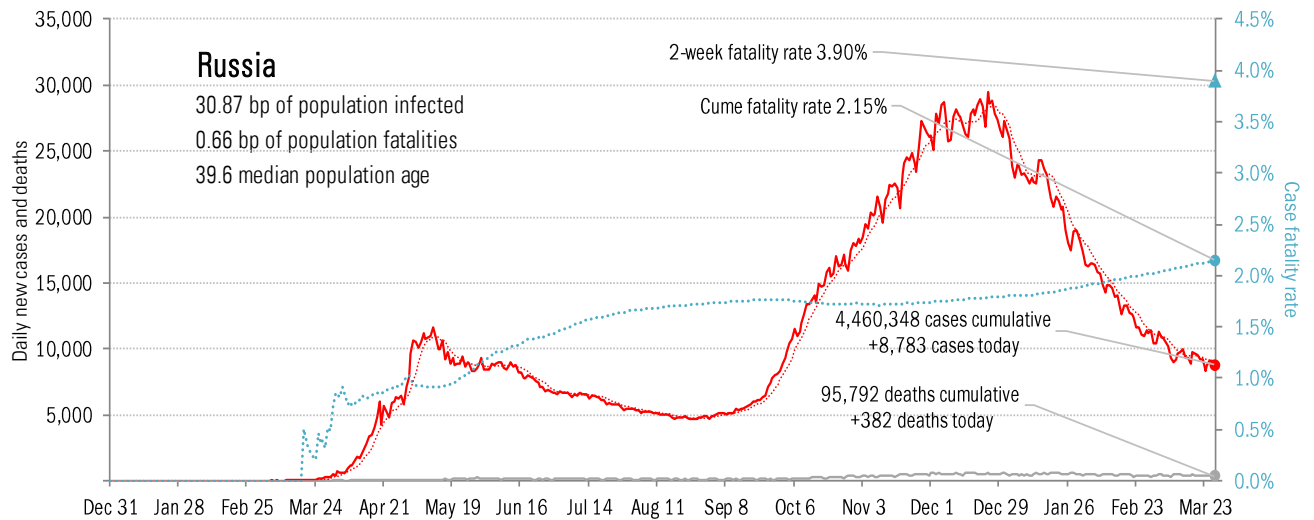
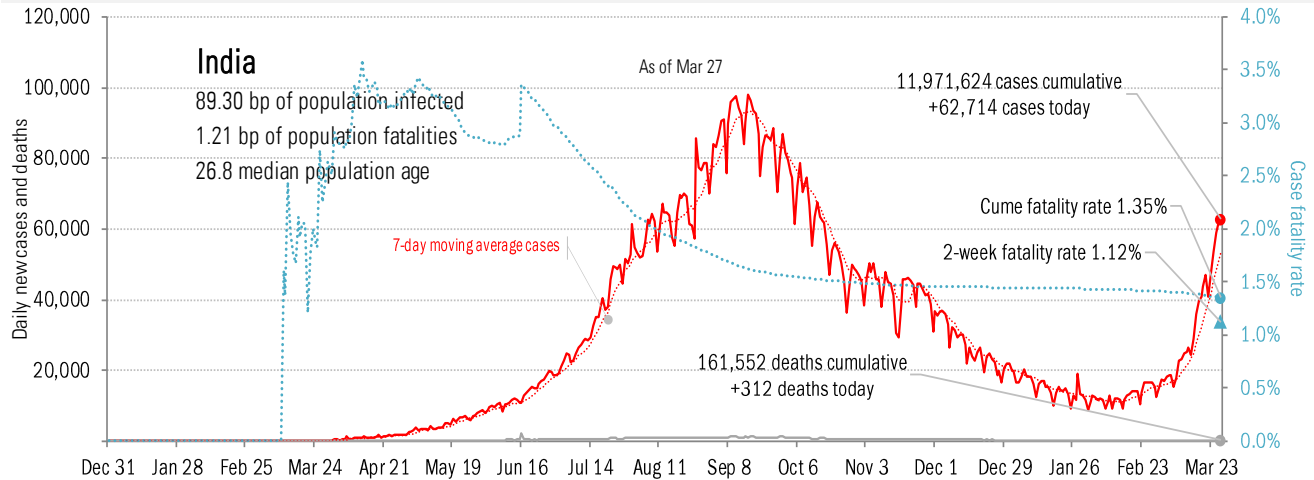
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 Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



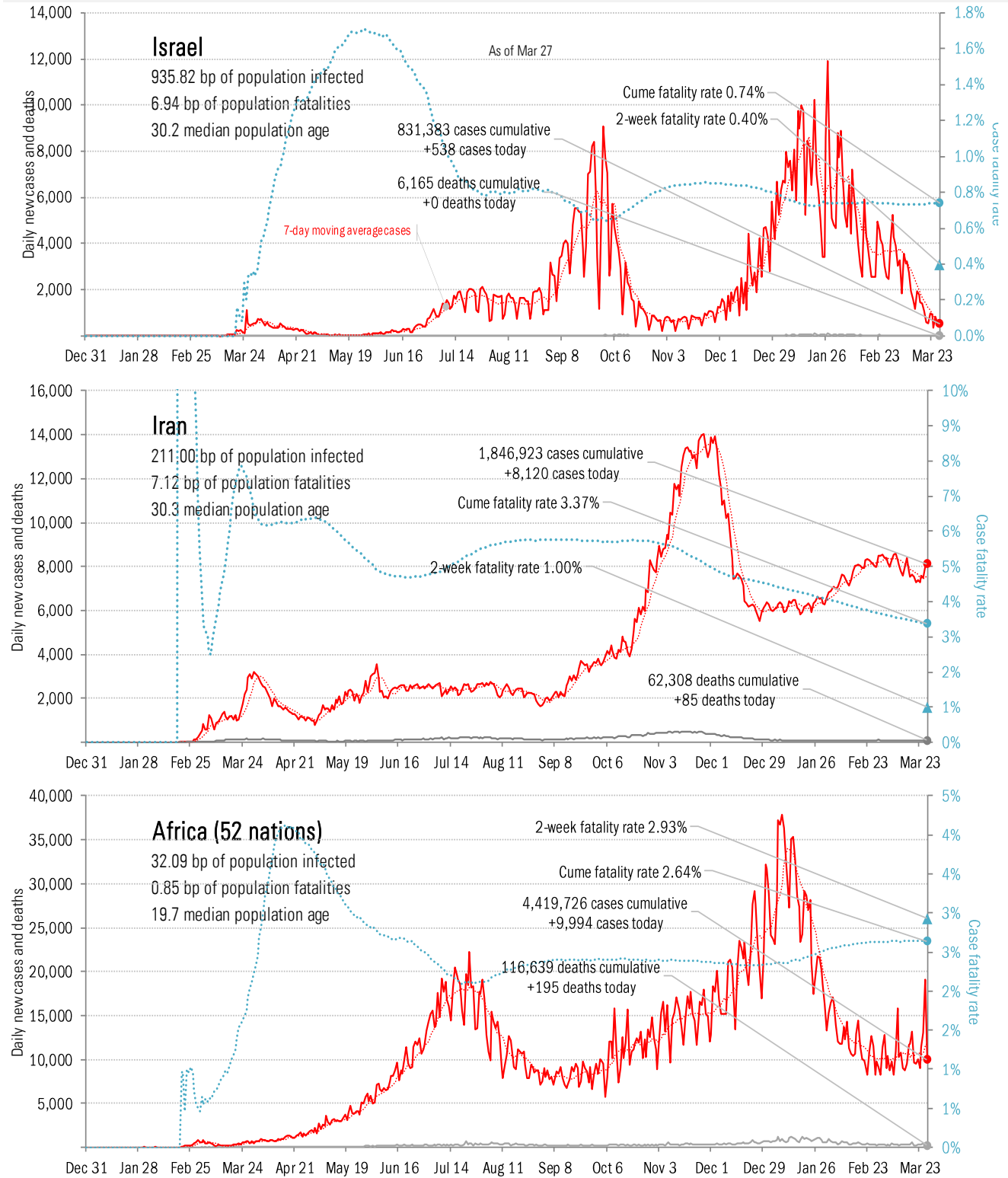
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



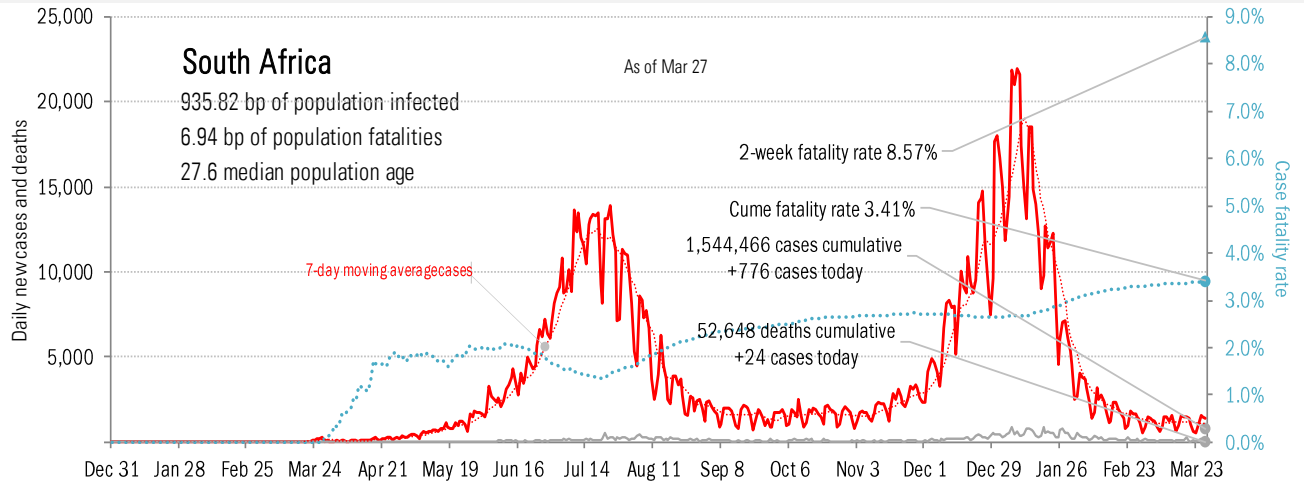
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

## Impact in Africa, continued



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