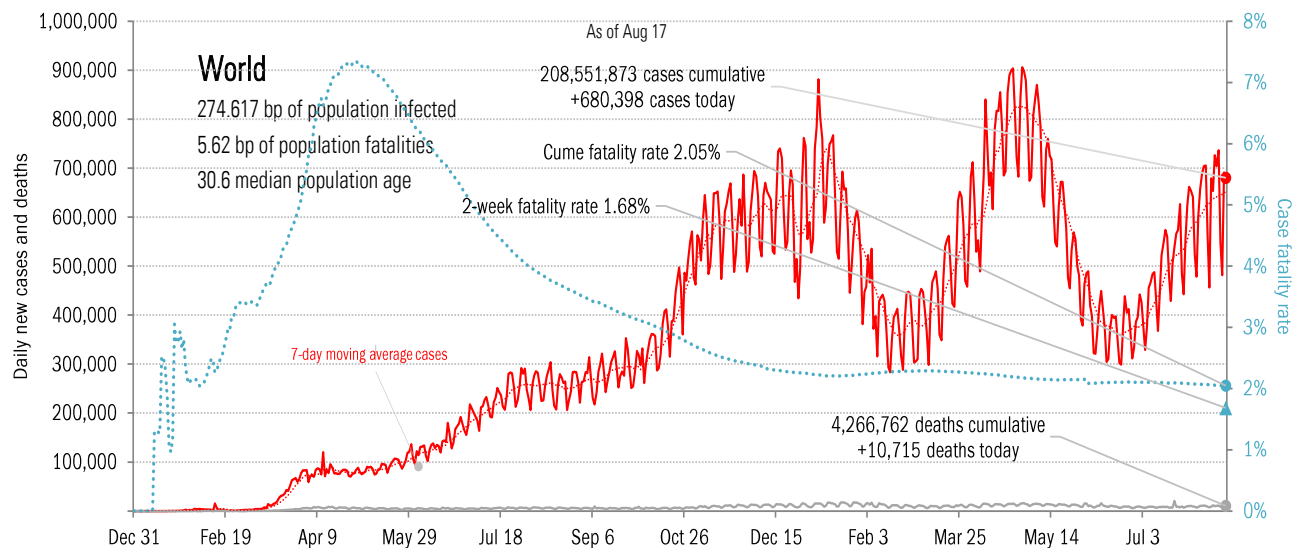
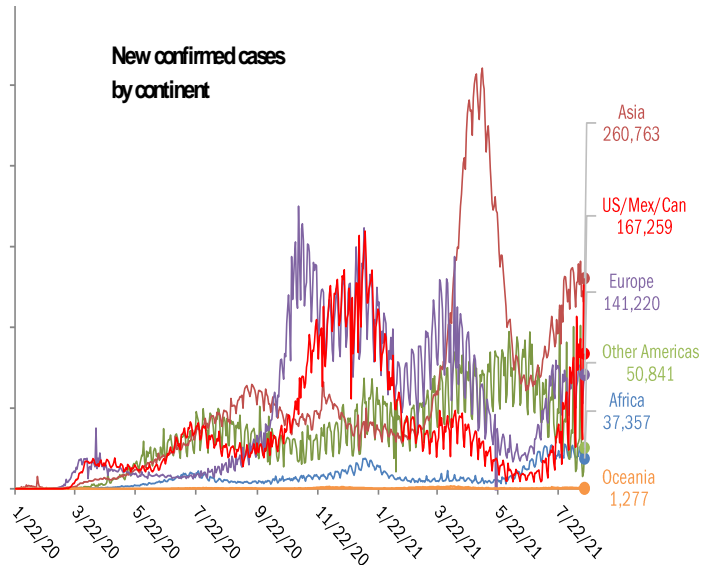


## Data Insights: Covid-2019 Monitor

Wednesday, August 18, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+150,583	Indonesia	+1,180
Iran	+50,228	Brazil	+1,106
Brazil	+37,613	United States	+1,001
India	+35,178	Mexico	+877
United Kingdom	+26,709	Russia	+785
France	+24,921	Iran	+625
Turkey	+21,692	South Africa	+553
Indonesia	+20,741	India	+440
Russia	+20,349	Vietnam	+331
Thailand	+20,128	Argentina	+300
<b>+408,142</b>		<b>+7,198</b>	
World	+680,398	World	+10,715
Top ten	60%	Top ten	67%



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)

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# The US scorecard

## The ten worst US states

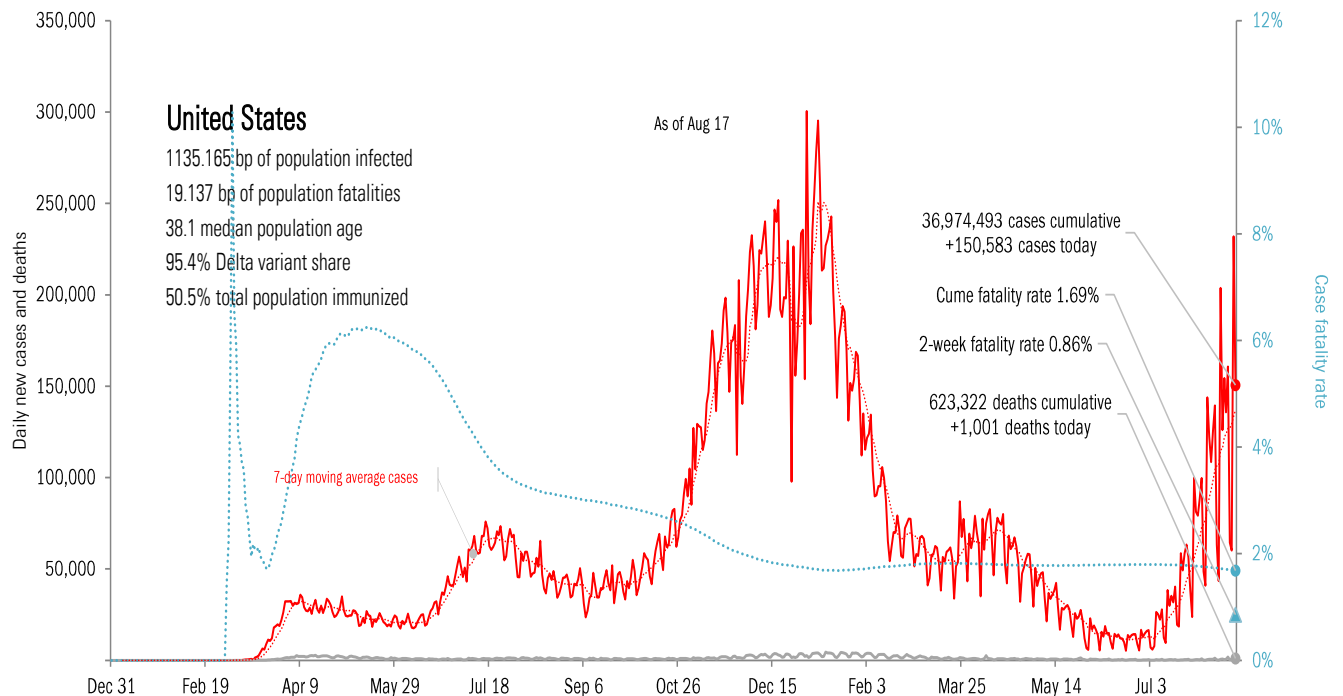
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+28,206		FL	+163		KY	+54		CA	4,163,848		CA	64,744		TX	296,406		RI	87%	MS	56%
FL	+21,681		LA	+122		SC	+51		TX	3,384,466		TX	54,478		CA	265,164		FL	86%	FL	54%
CA	+15,481		MO	+120		CH	+34		FL	2,877,388		NY	54,136		FL	249,602		GA	86%	LA	50%
GA	+7,639		TX	+99		NY	+24		NY	2,213,176		FL	40,602		NY	142,707		NV	82%	AL	49%
AL	+4,023		MS	+67		WA	+22		IL	1,470,452		PA	27,993		GA	124,648		MD	81%	AR	46%
LA	+3,691		CA	+50		CO	+19		GA	1,279,653		NJ	26,715		PA	95,294		MA	81%	GA	45%
IL	+3,639		GA	+46		WV	+19		PA	1,258,774		IL	26,073		CH	93,253		MO	81%	TX	44%
NC	+3,575		AR	+41		NM	+15		CH	1,164,808		GA	22,060		IL	88,742		PA	80%	ID	41%
TN	+3,559		NY	+37		GA	+14		NC	1,125,987		MI	21,304		KY	86,844		AL	80%	OK	40%
NY	+3,409		CH	+34		PA	+14		NJ	1,064,059		CH	20,648		MI	75,936		SC	80%	MO	38%
+94,903			+779			+266			20,002,611			358,753			1,518,596						
All states	+150,583		+1,164			-425			All states	36,974,493		623,322			2,690,971			All states	70%	67%	
Top ten	63%		67%			-63%			Top ten	54%		58%			56%			Median	72%	19%	

Some states not reporting

Updated Saturdays

## Five most improved US states

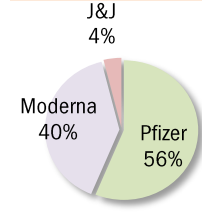
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
GA	-11,760	SC	-62	TX	-423	MP	+40 bp
NC	-11,423	NC	-39	FL	-337	MS	+30 bp
TN	-9,790	MI	-20	CA	-293	WY	+30 bp
LA	-9,679	KY	-17	AL	-139	IA	+20 bp
SC	-8,753	IL	-14	MS	-110	FR	+20 bp



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

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	One dose	% Pop	Immune	% pop	New immune today			
	367,999,035				+0.604 million	US	50.5%	59.5%
Total population	203,798,285	61%	173,259,353	52%	+0.208 million	UK	60.2%	69.8%
Age 12 to 17	11,533,005	48%	8,505,047	36%	+0.048 million	France	53.1%	68.7%
Age 18 to 64	139,896,718	69%	118,198,650	58%	+0.135 million	Spain	64.1%	74.6%
Age 65 and over	51,380,443	94%	45,743,085	84%	+0.024 million	Germany	57.4%	63.0%
						Italy	57.4%	67.7%
						Australia	21.6%	39.7%
						Israel	62.7%	67.7%
						Canada	64.5%	72.8%
						Japan	39.0%	50.6%
						Africa	2.2%	4.4%
						India	8.9%	31.4%
						Brazil	24.1%	57.3%
						China	54.0%	43.2%



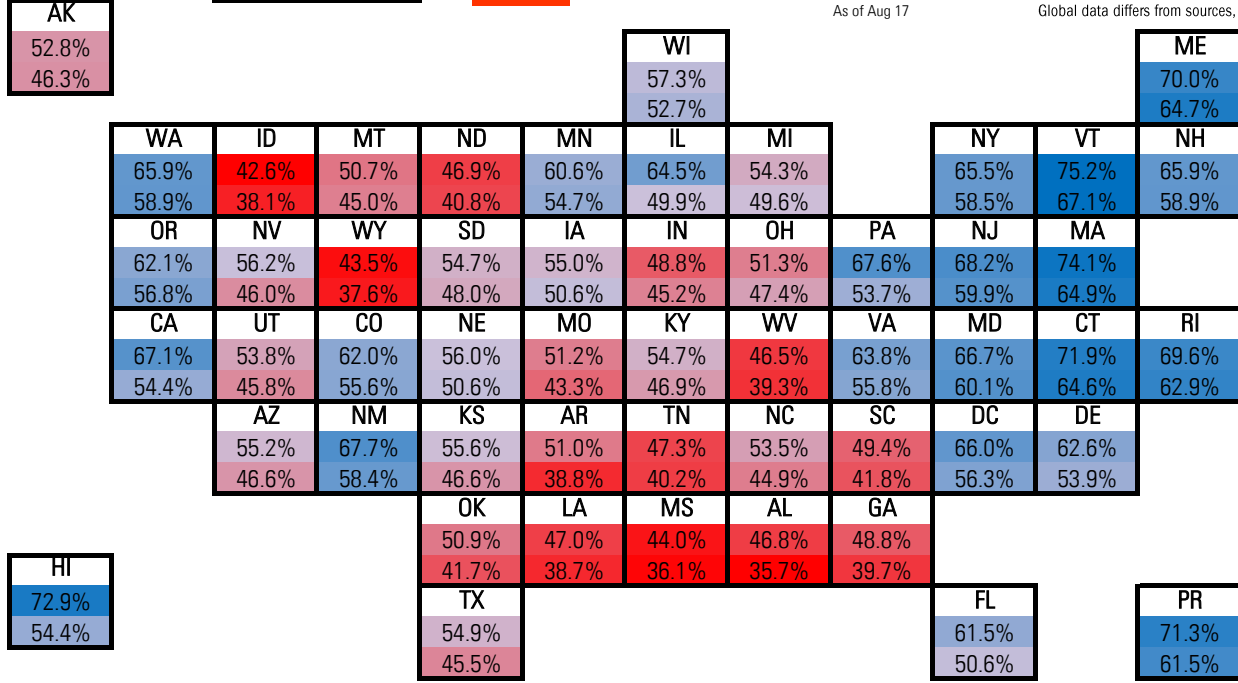
State
At least partial immunity as % population
Full immunity as % population



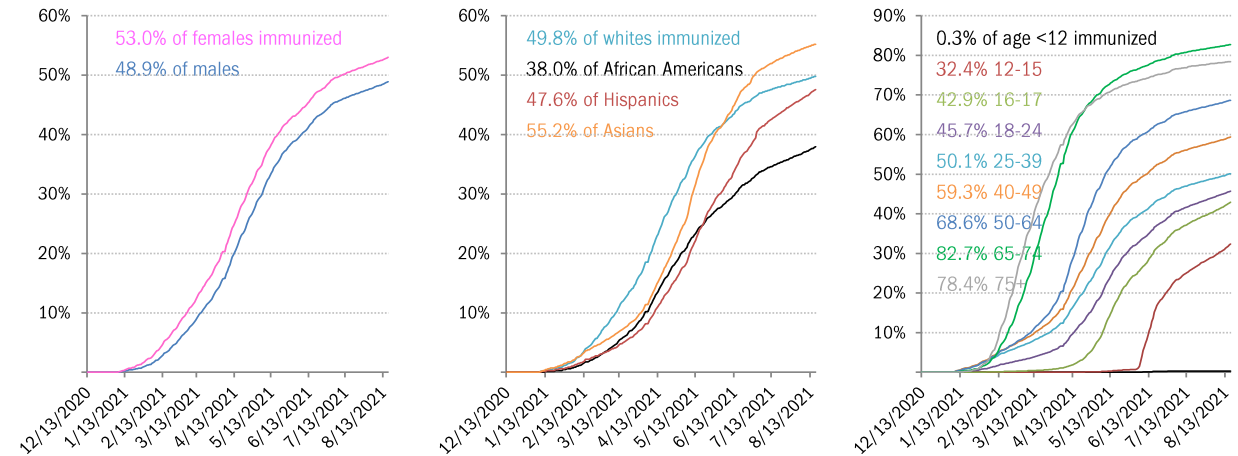
Every American >18 immune in **198 days** by Mar 3, 2022  
 63.5% of population >18 immunized  
 12.6% previously tested positive  
**76.1%** vs 60% adult herd immunity\*

As of Aug 17

Global data differs from sources, timing



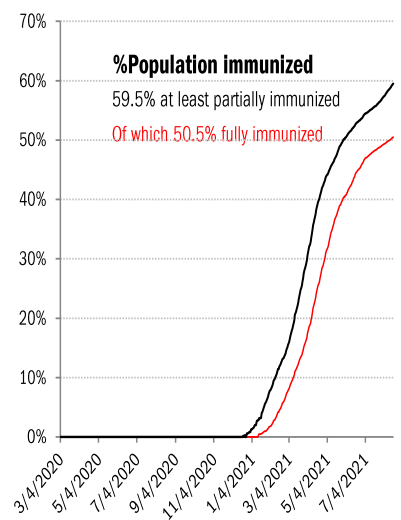
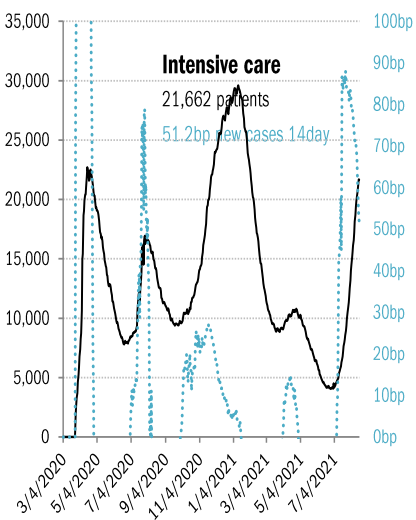
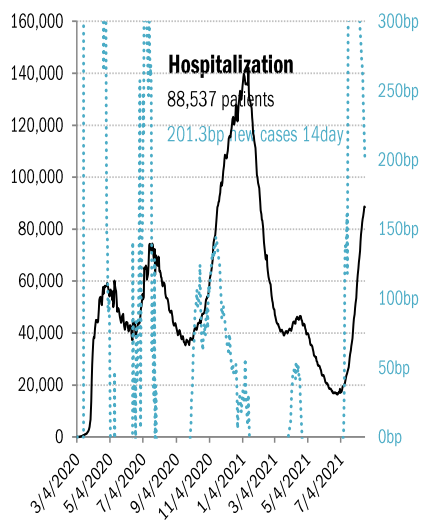
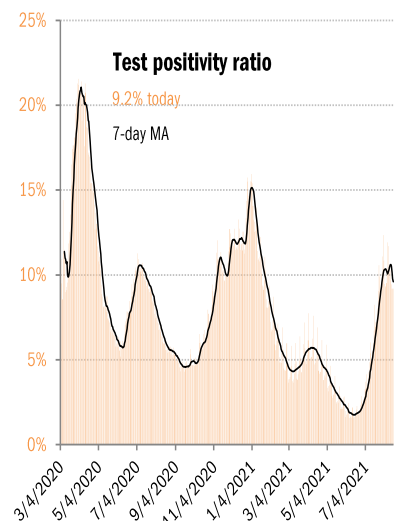
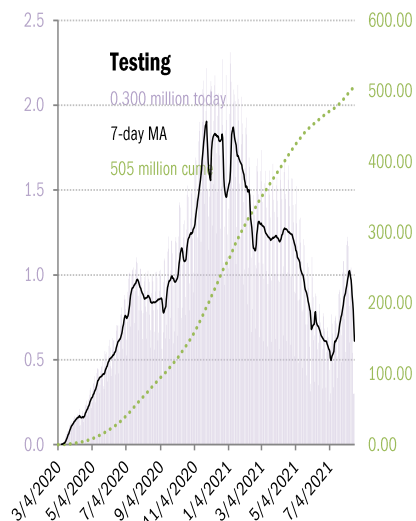
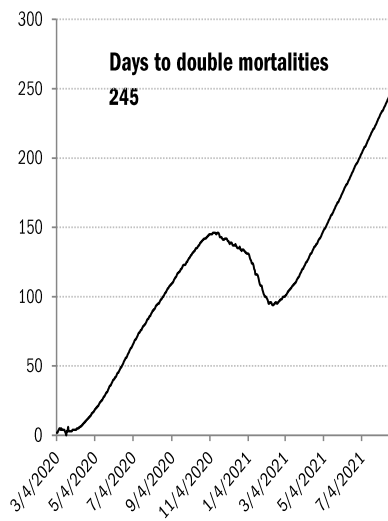
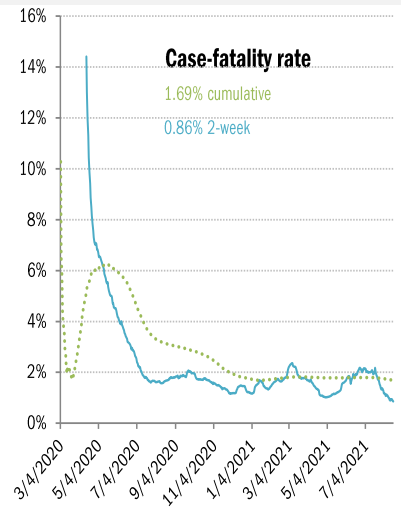
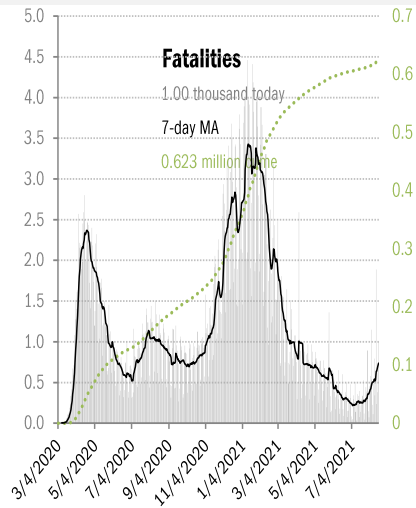
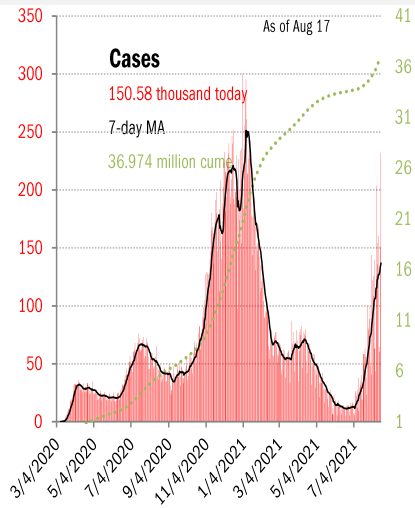
## The demographics of US vaccination



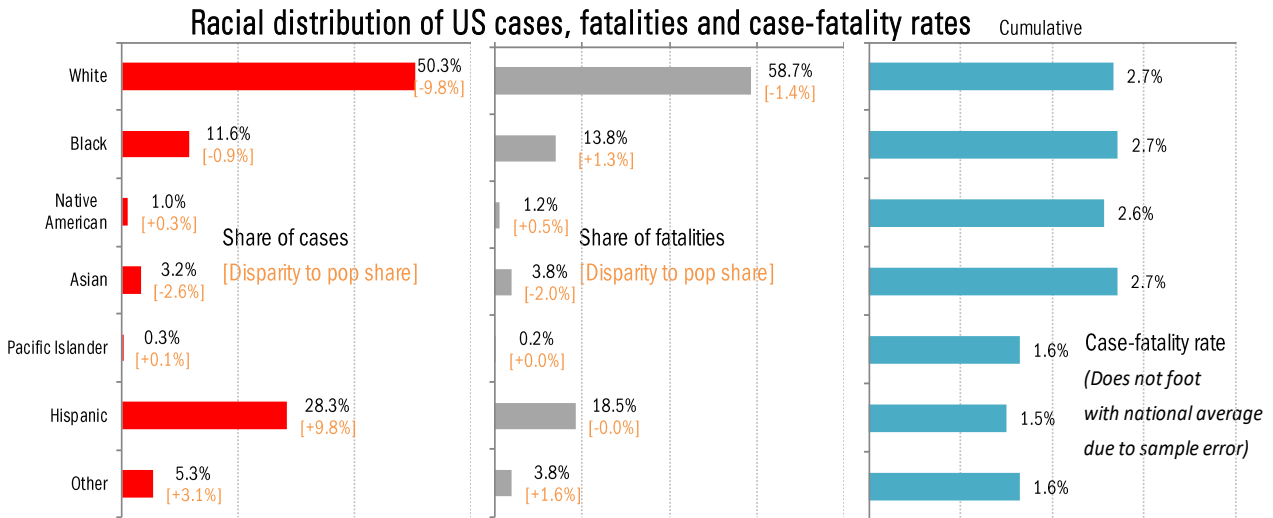
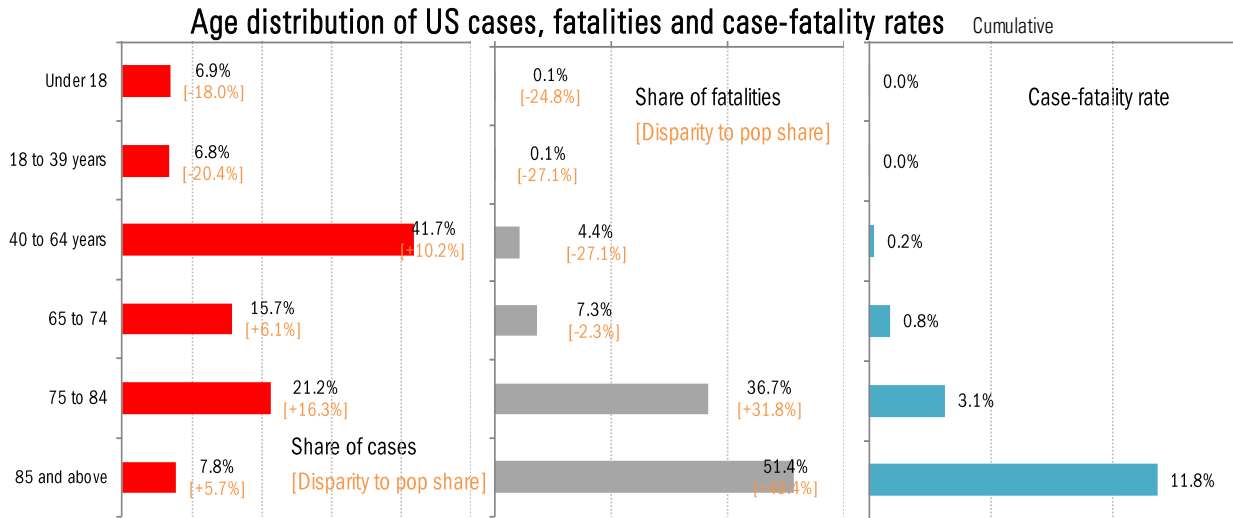
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

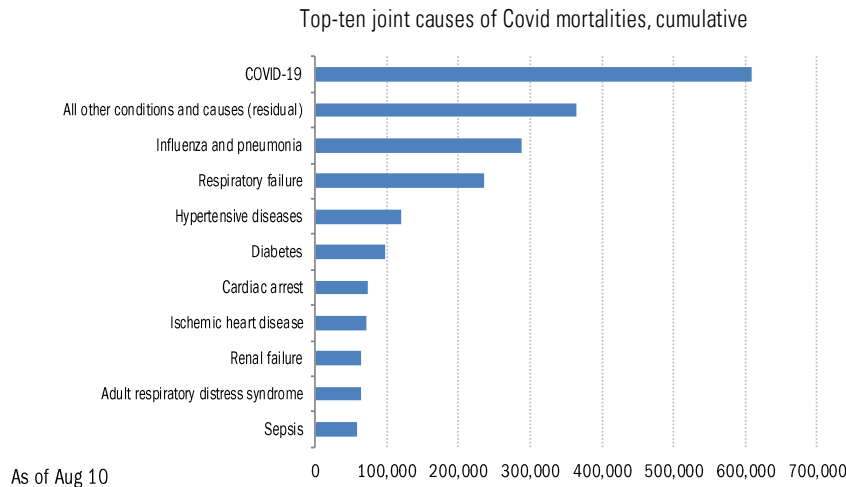
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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.

## Recommended reading

### [So, You've Been Cast as the Delta Variant](#)

Anna P. Kambhampaty  
*New York Times*  
August 17, 2021

### [Vaccine mandates sweep Corporate America](#)

Erica Pandey  
*Axios*  
August 17, 2021

### [This chicken vaccine makes its virus more dangerous](#)

Nsikan Akpan  
*PBS*  
July 27, 2015

### [An Open Letter to Dr. Francis Collins](#)

Don Boudreaux  
*Cafe Hayek*  
August 17, 2021

### [Imperfect Vaccination Can Enhance the Transmission of Highly Virulent Pathogens](#)

Andrew F. Read  
*PLOS Biology*  
July 27, 2015

### [How COVID-19's origins were obscured, by the East and the West](#)

Nicholas Wade  
*Bulletin of the Atomic Scientists*  
August 17, 2021

### [Scoop: Probe finds evidence fired Tennessee vaccine official bought dog muzzle sent to her](#)

Nate Rau, Adam Tamburin  
*Axios*  
August 16, 2021

### [One Virus Case Puts New Zealand Into Nationwide Lockdown](#)

Tracy Withers  
*Bloomberg*  
August 17, 2021

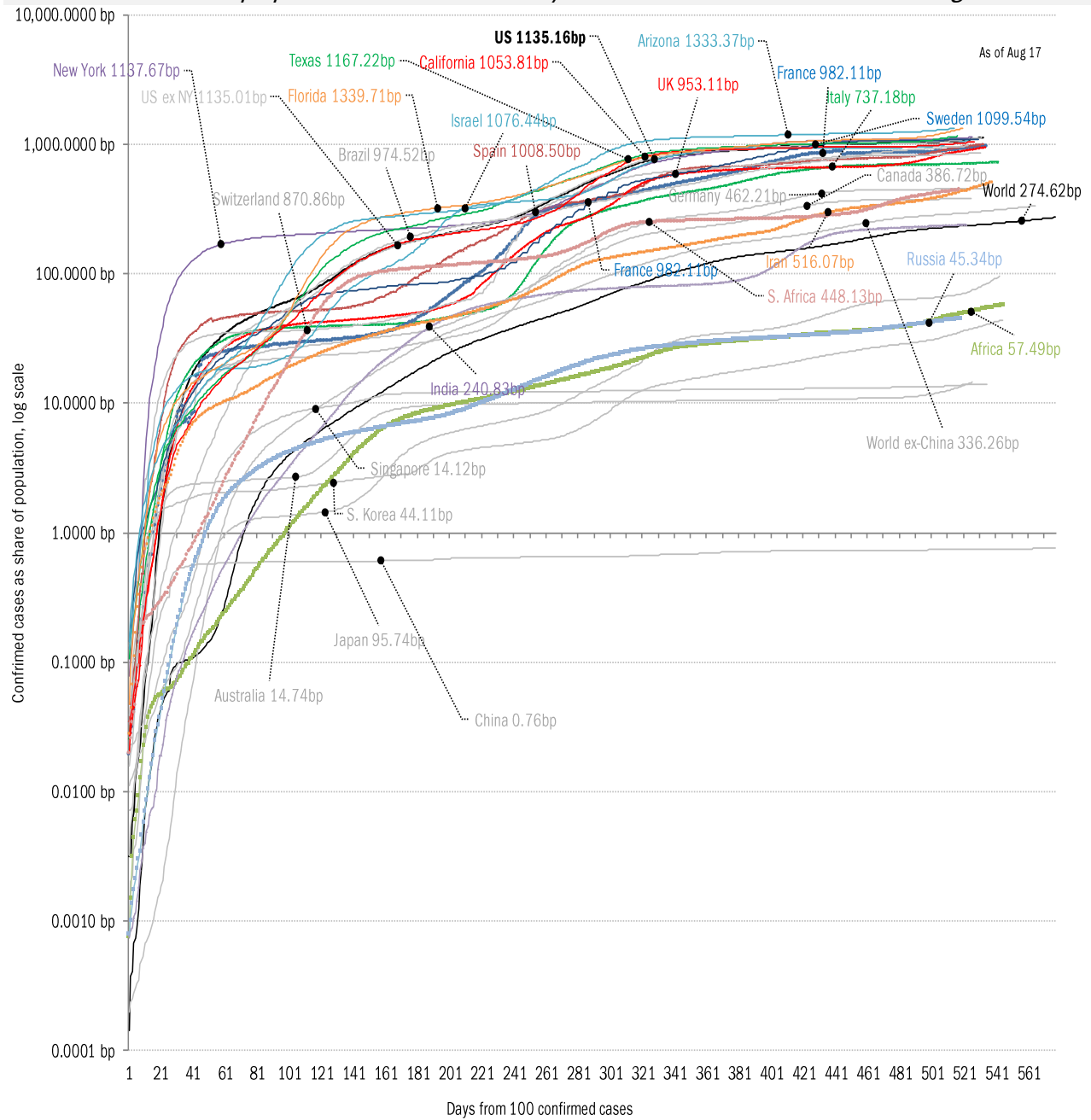
## Meme of the day



## CNN Praises Taliban For Wearing Masks During Attack

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

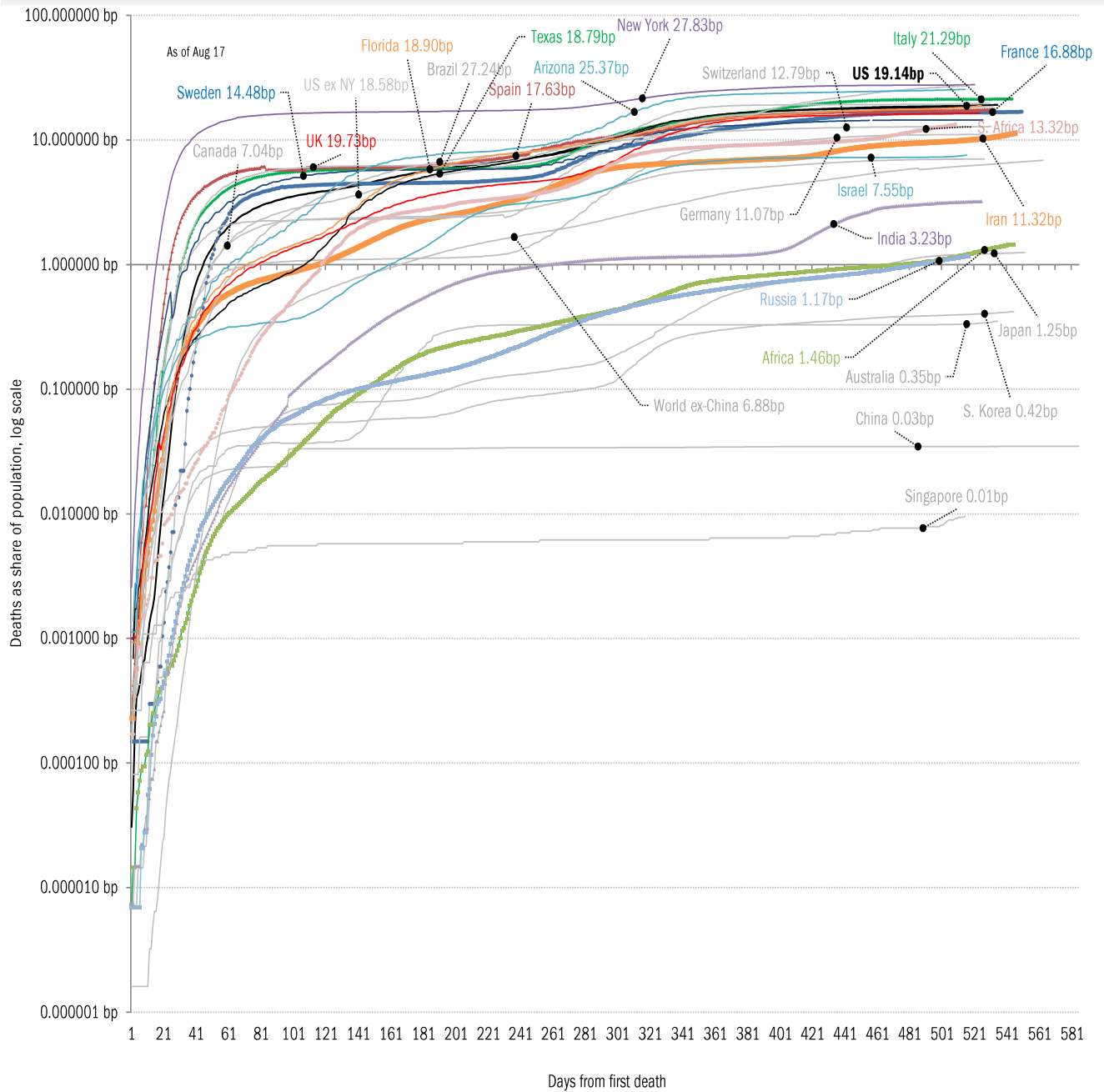
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

*Share of deceased population from day of first fatality, log scale*



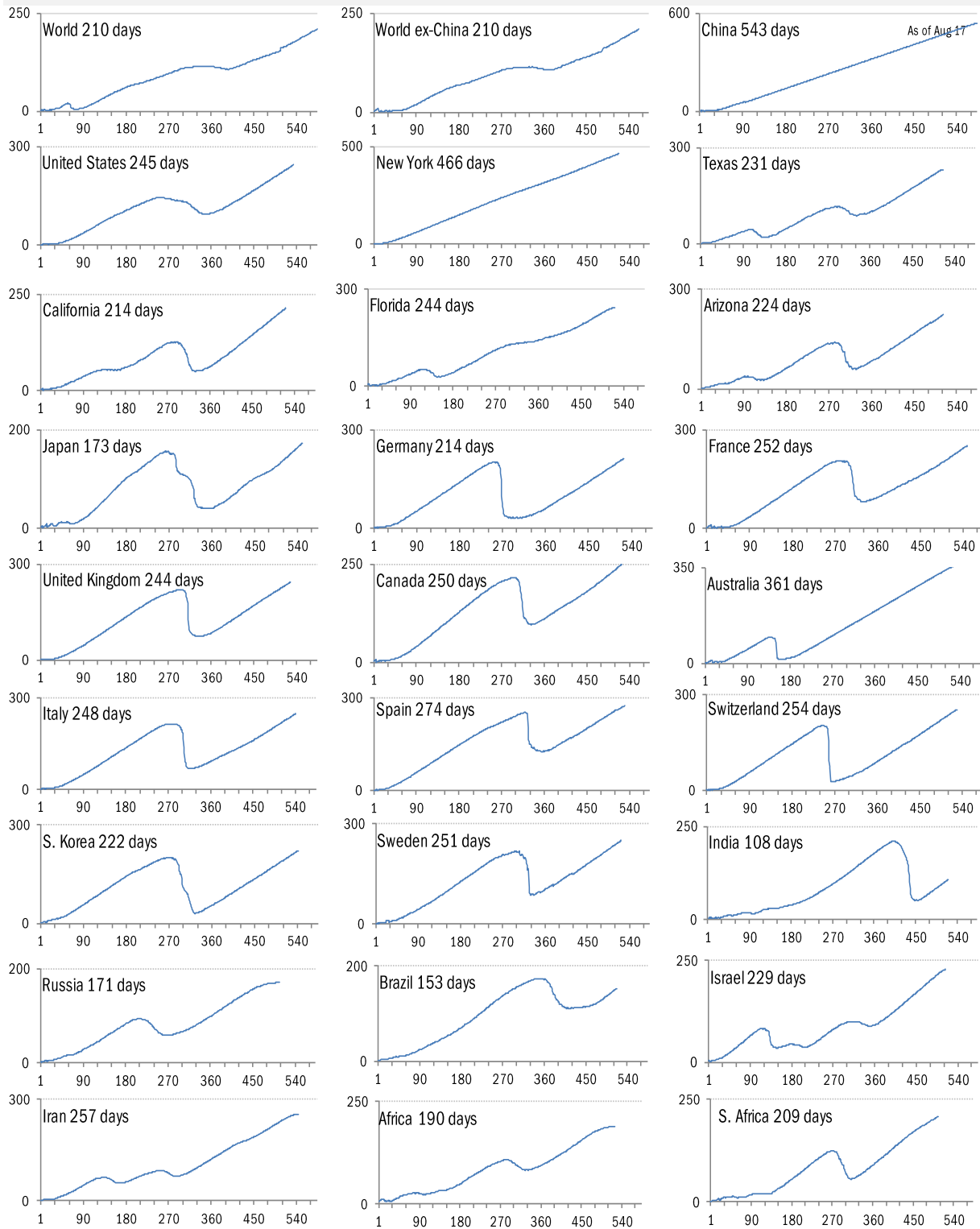
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

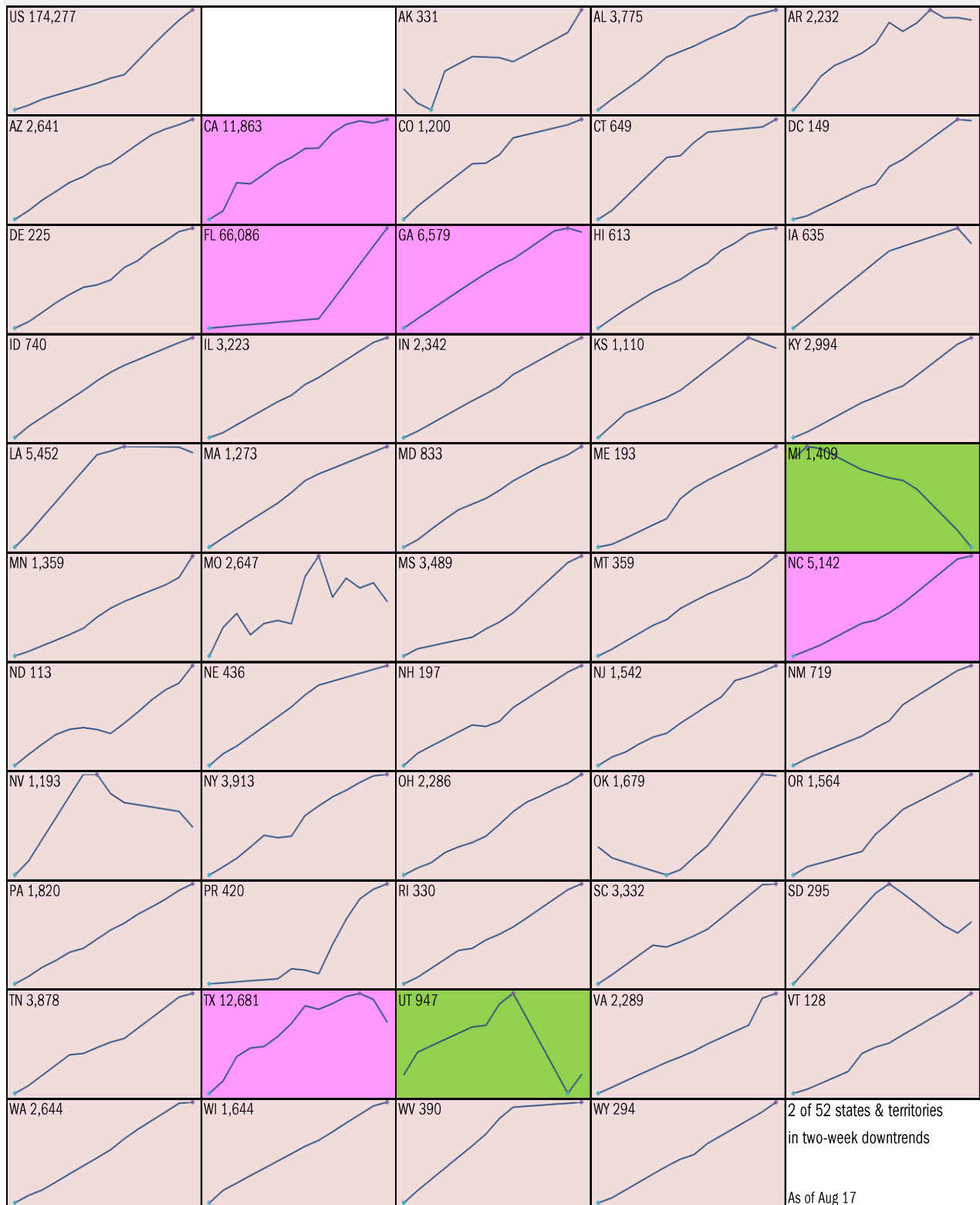


Source: [Johns Hopkins](#), TrendMacro calculations

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

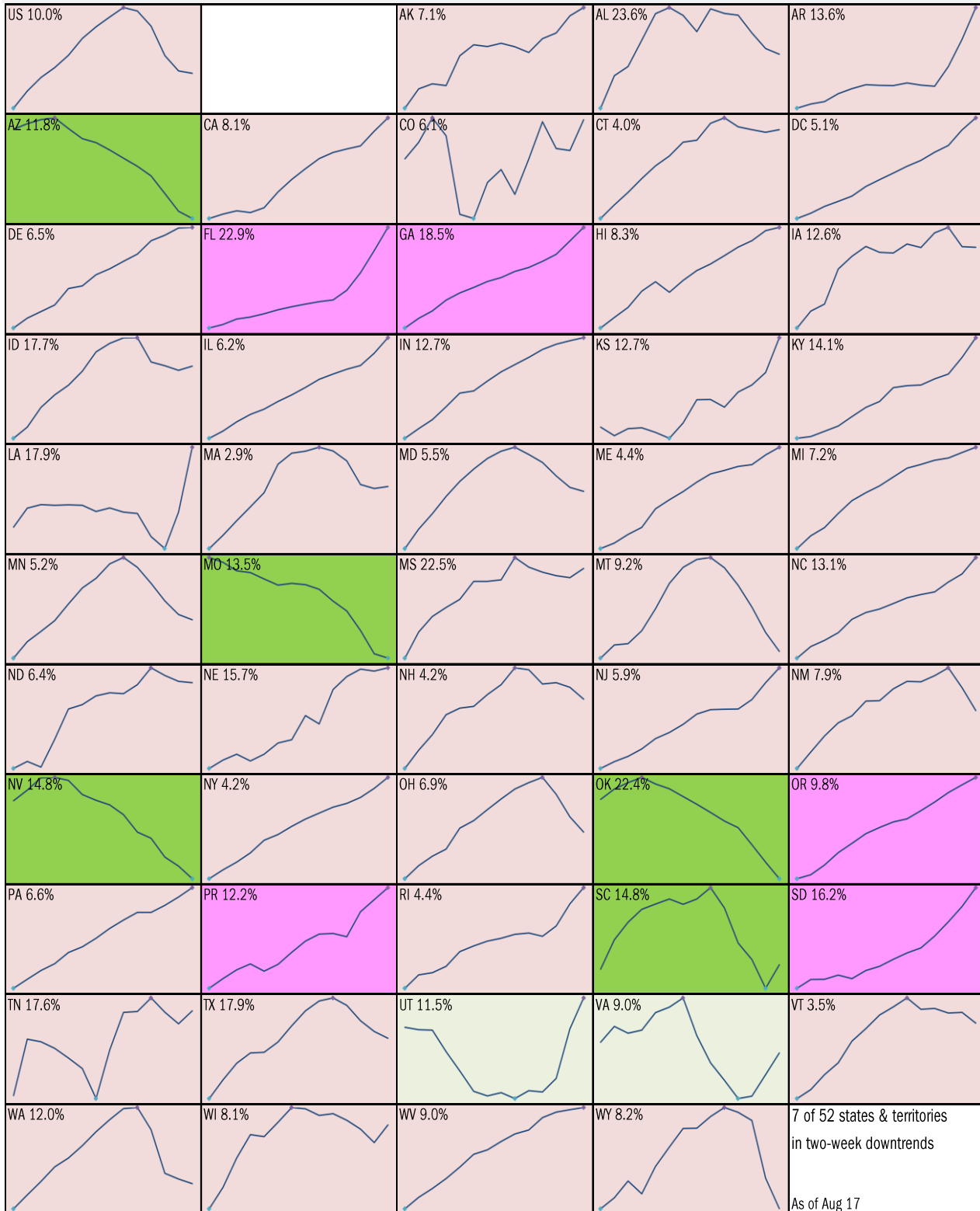


Source: [Johns Hopkins](#), TrendMacro calculations

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

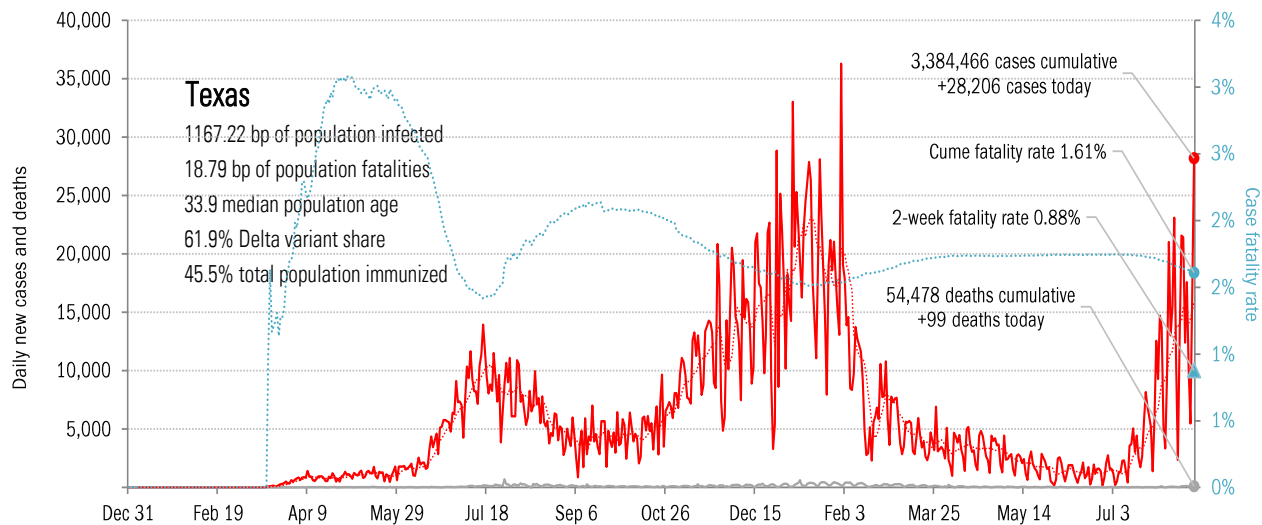
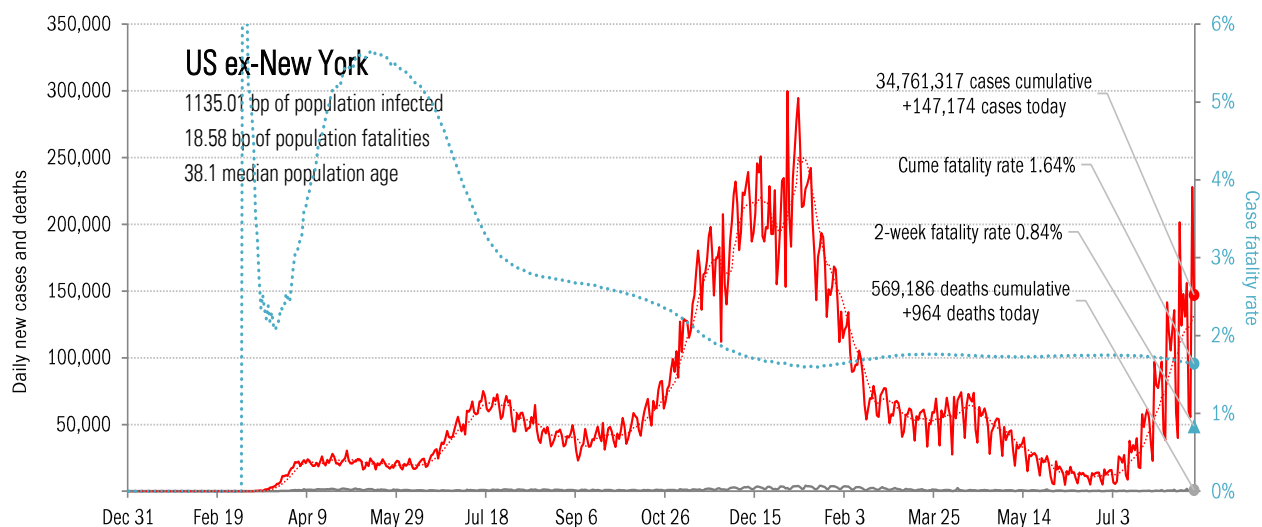
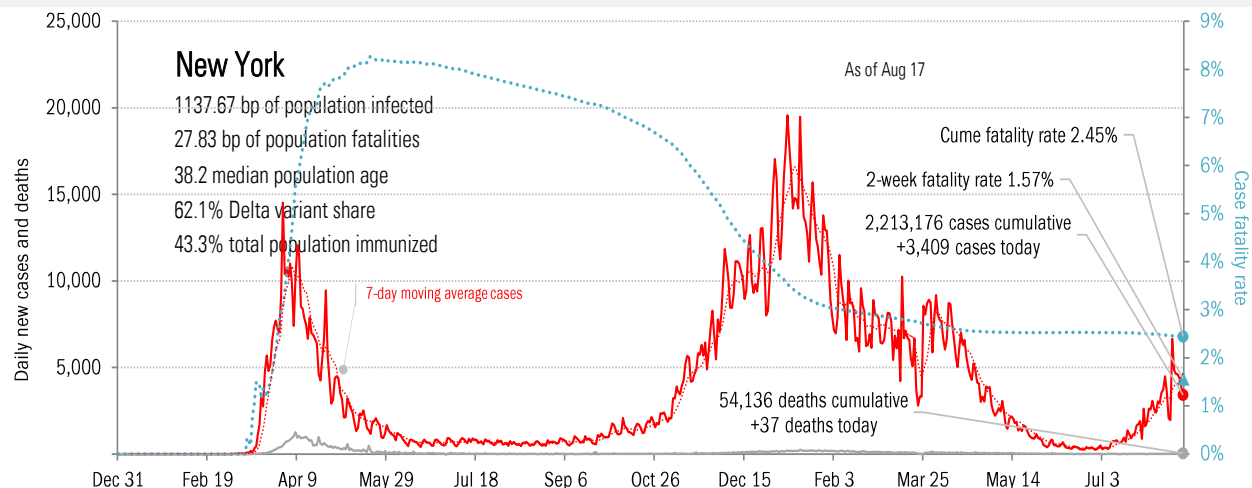
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



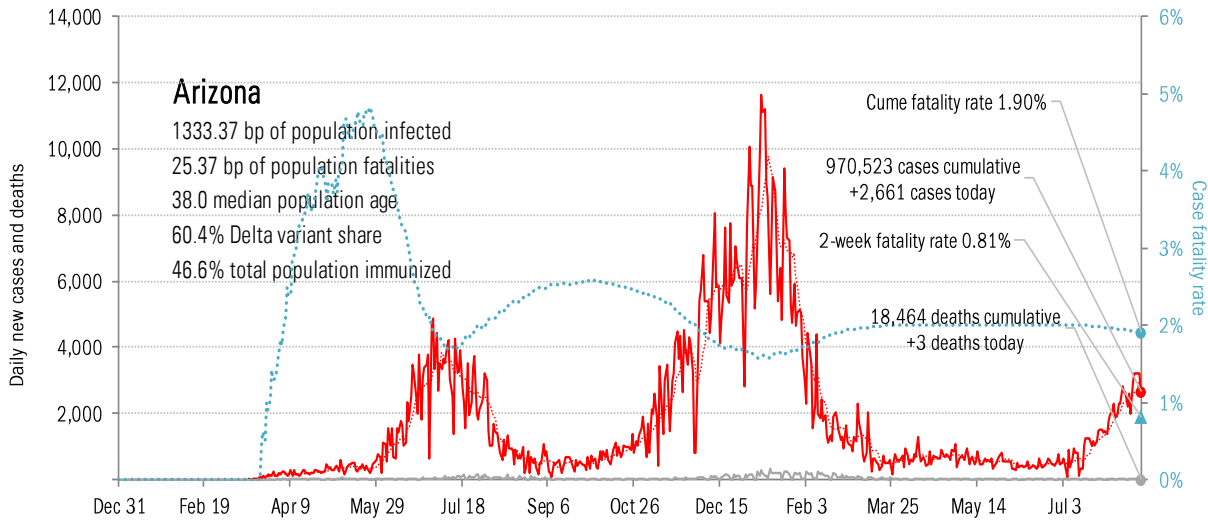
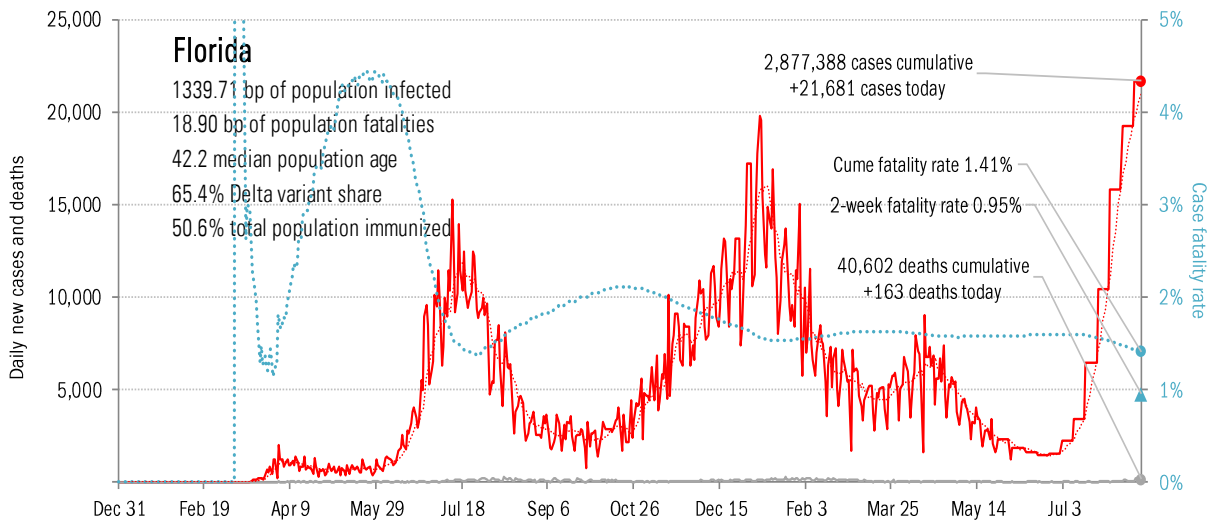
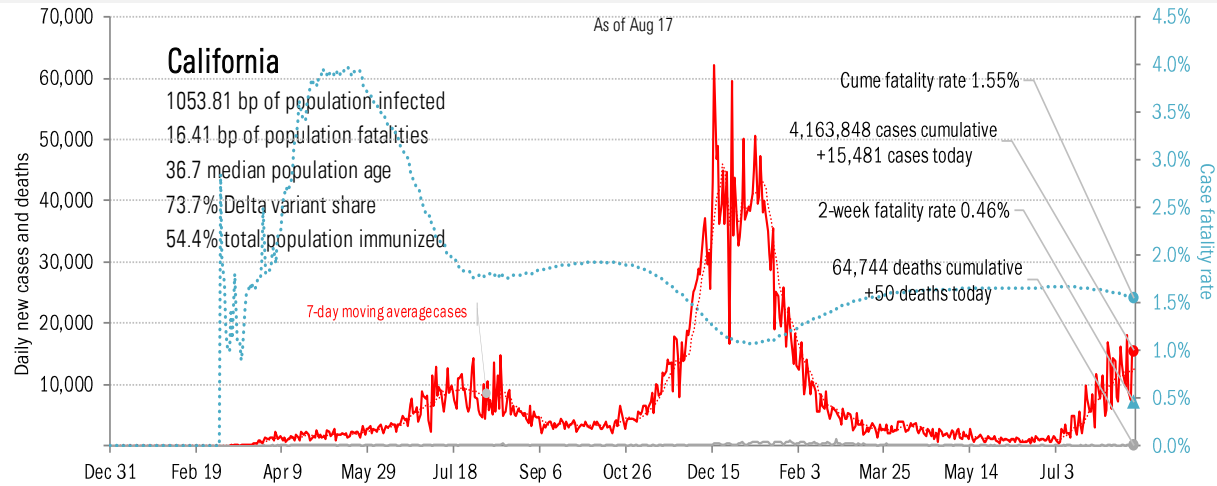
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



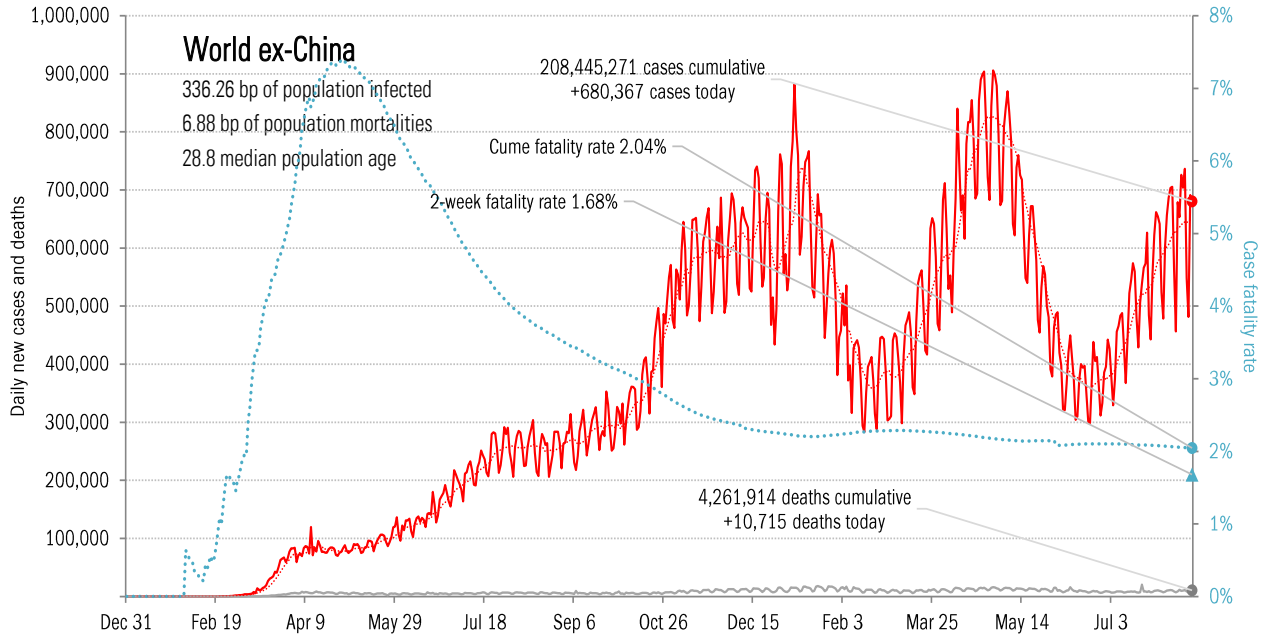
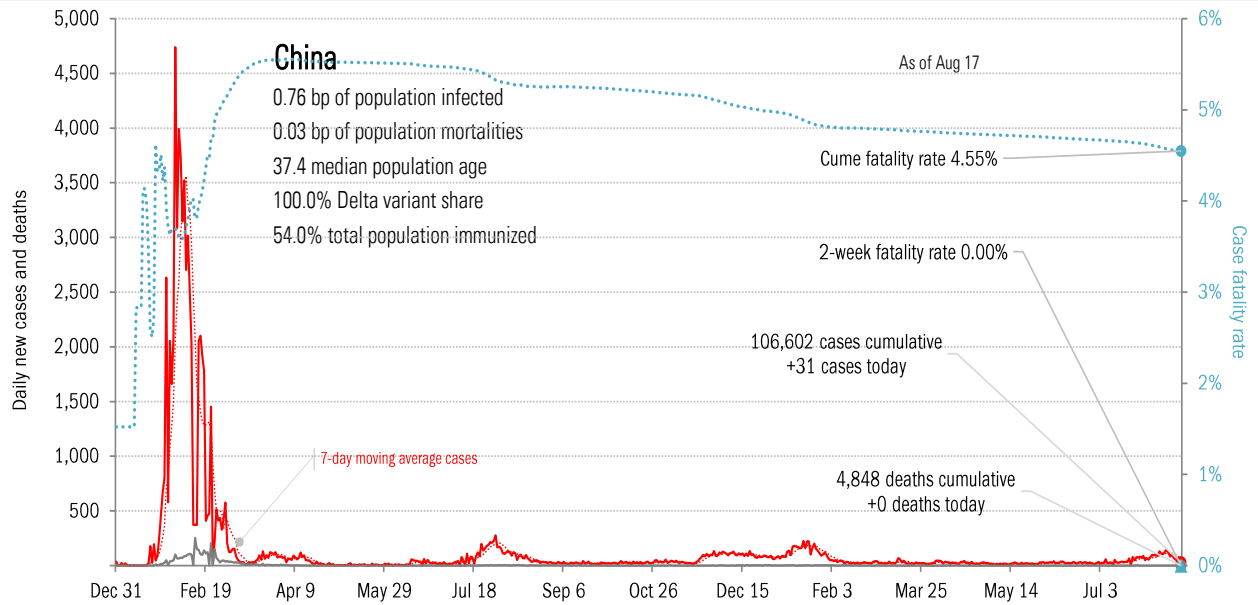
Source: [Johns Hopkins](#), TrendMacro calculations

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



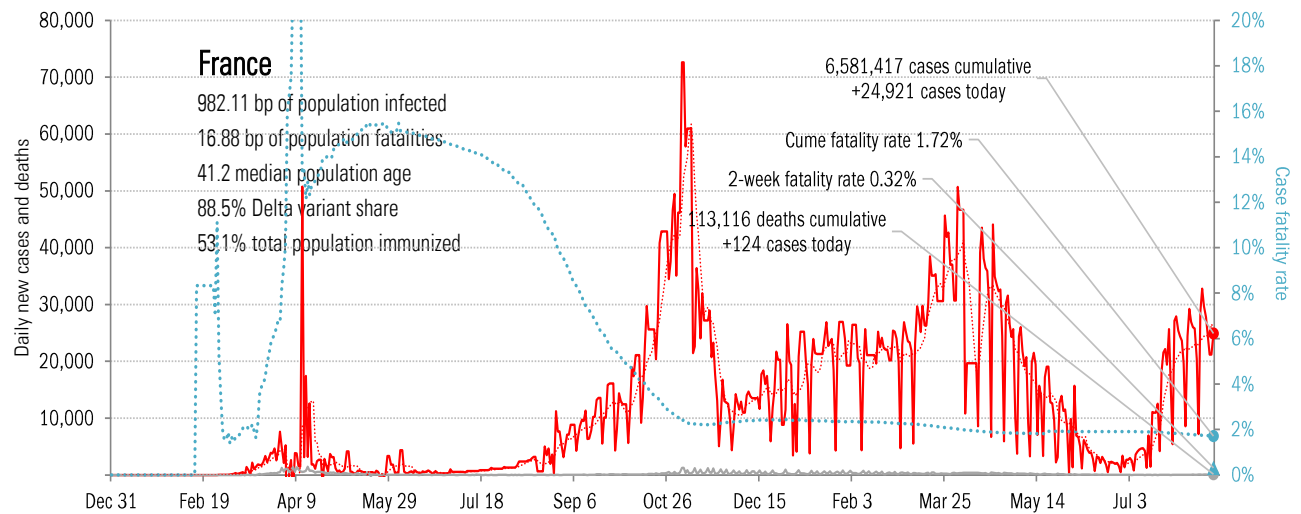
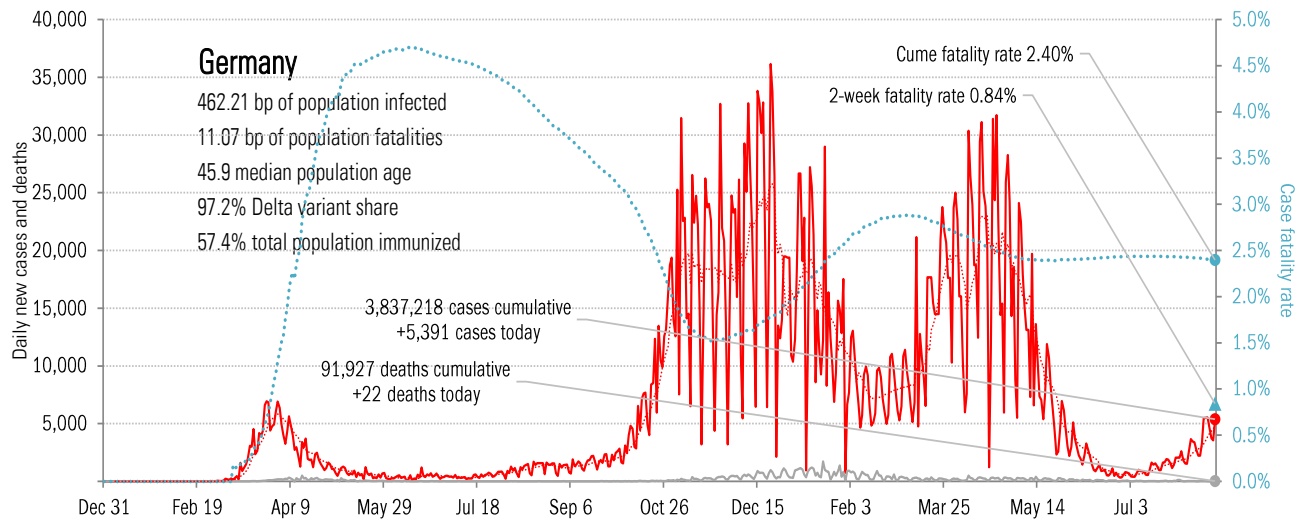
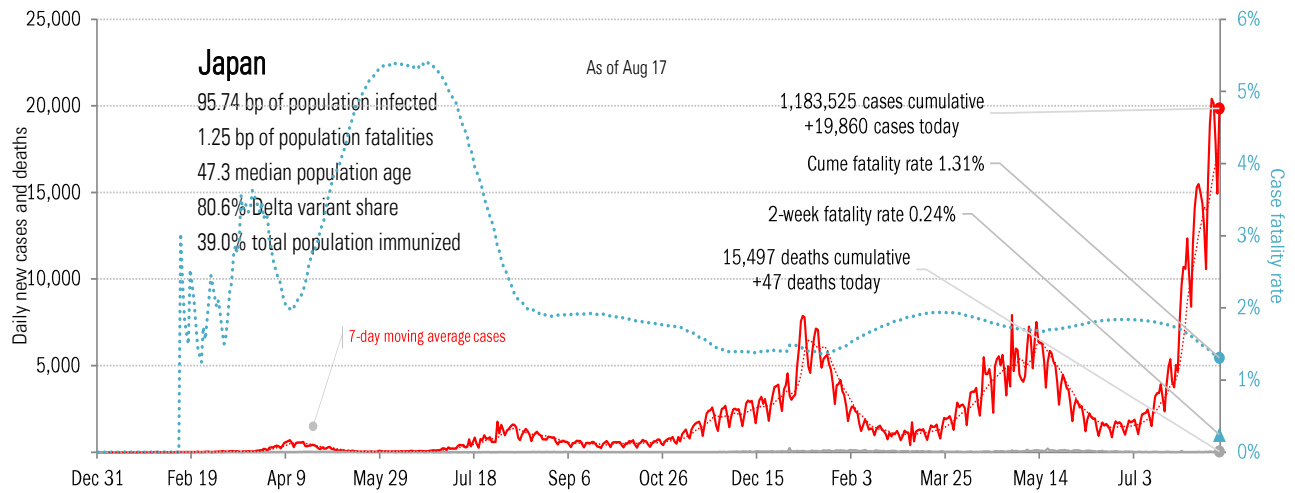
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



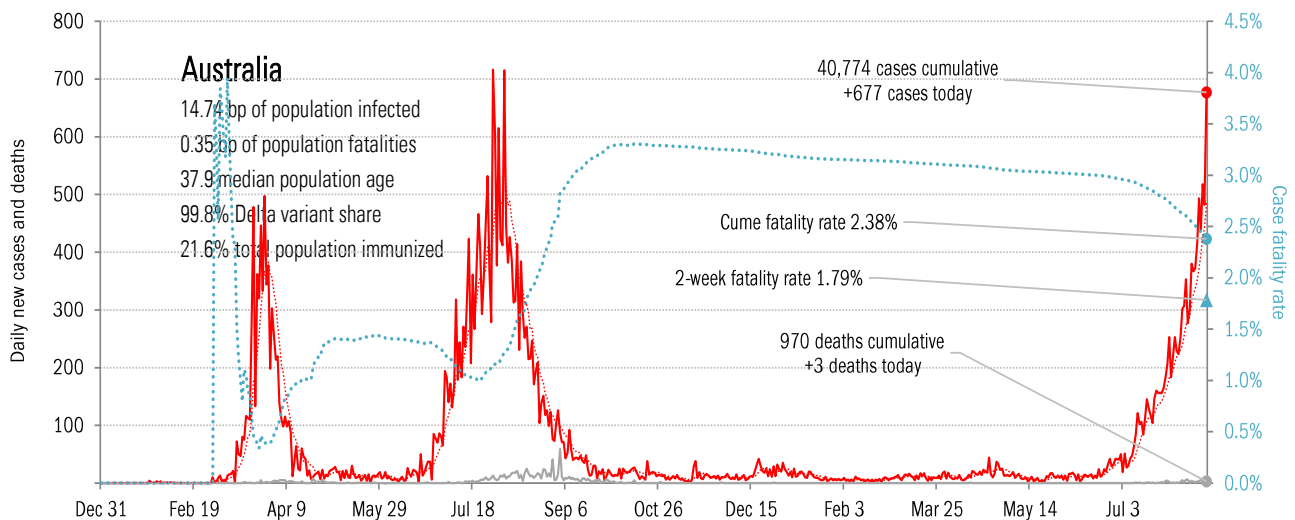
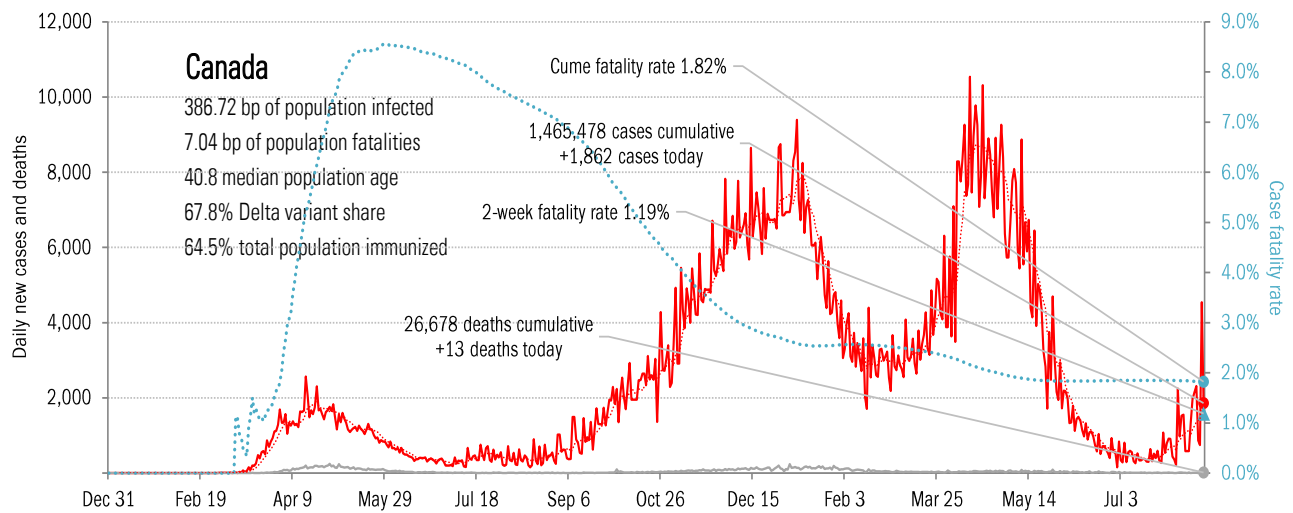
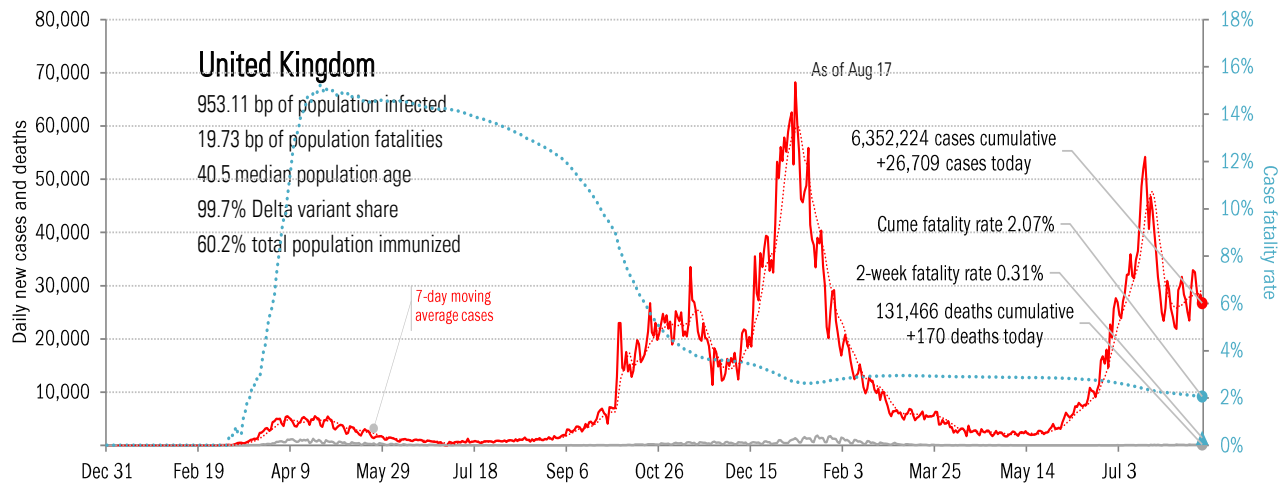
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in the largest economies



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

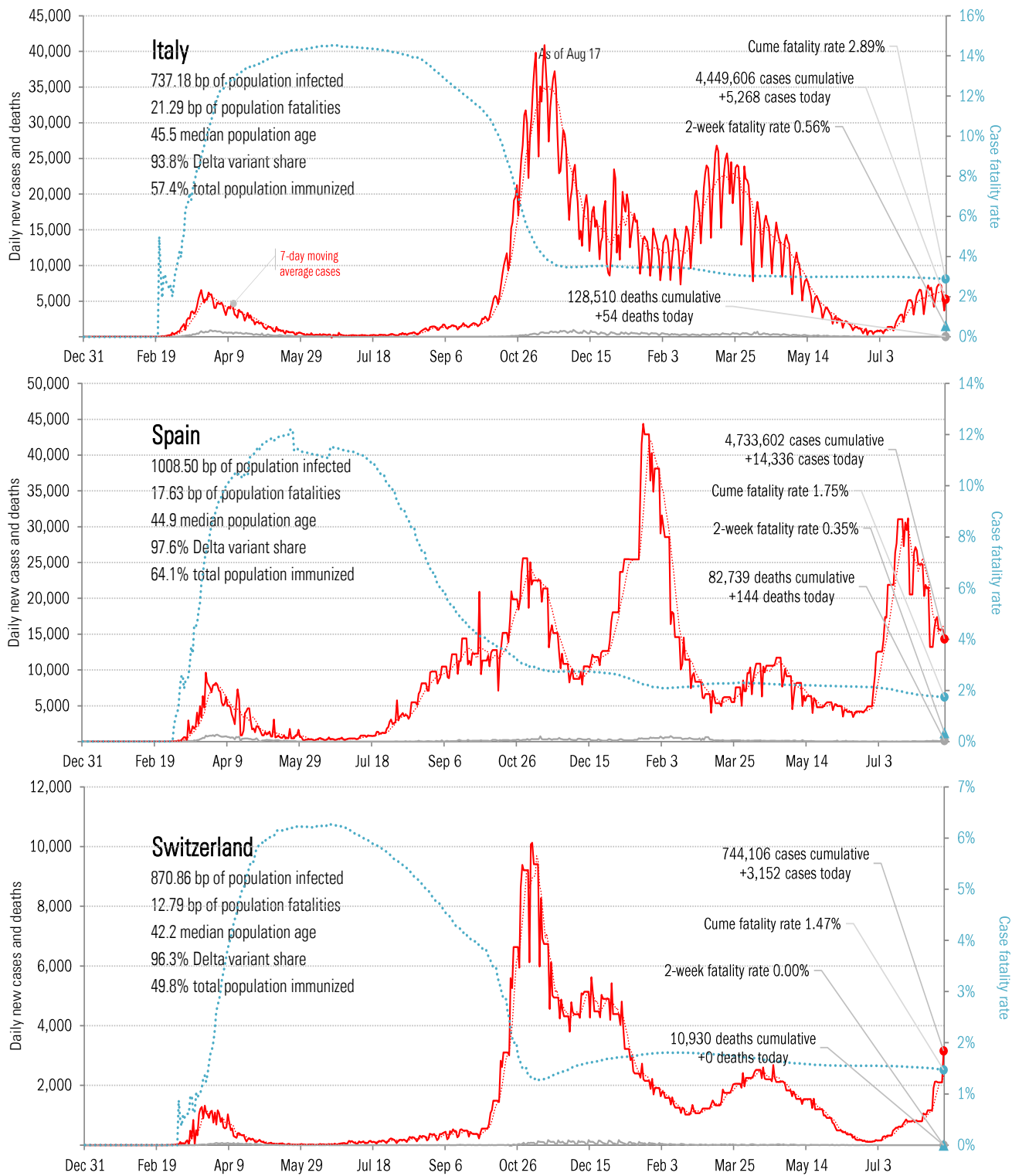
## Impact in The Anglosphere



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

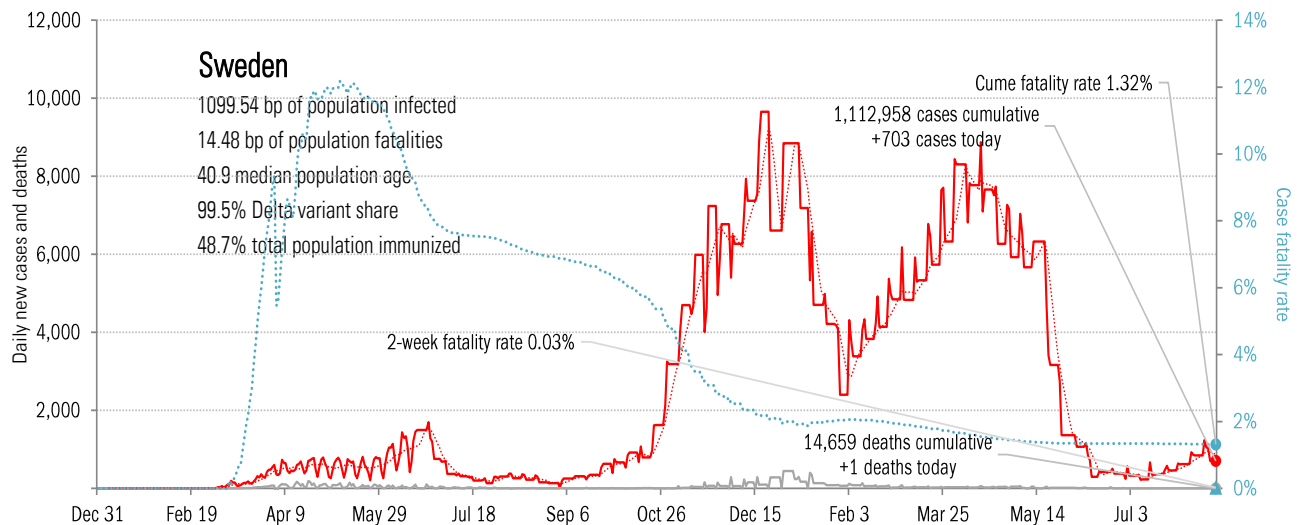
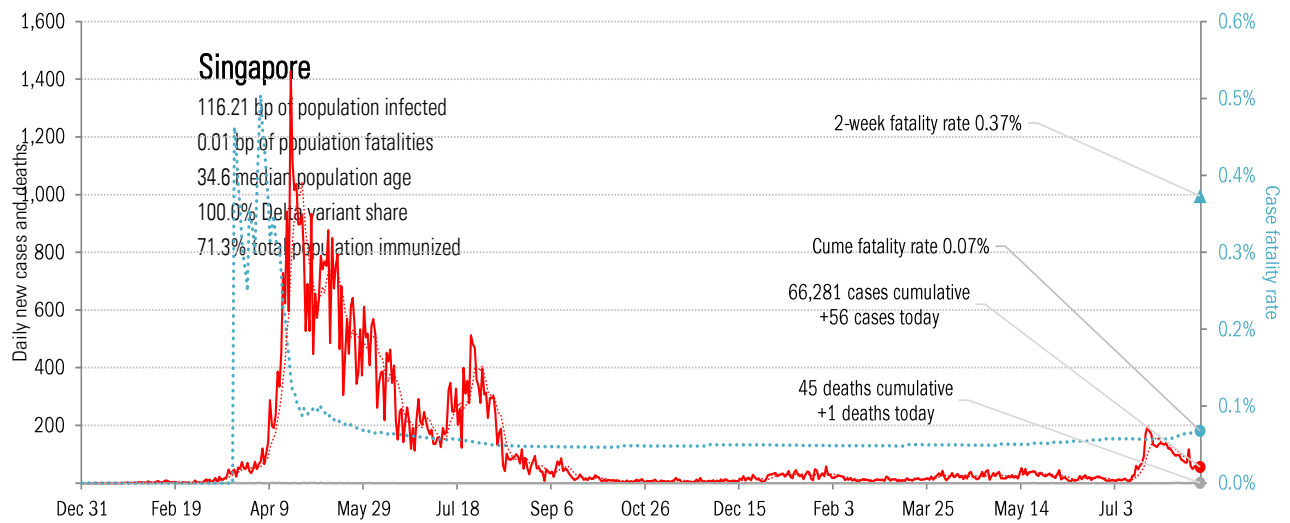
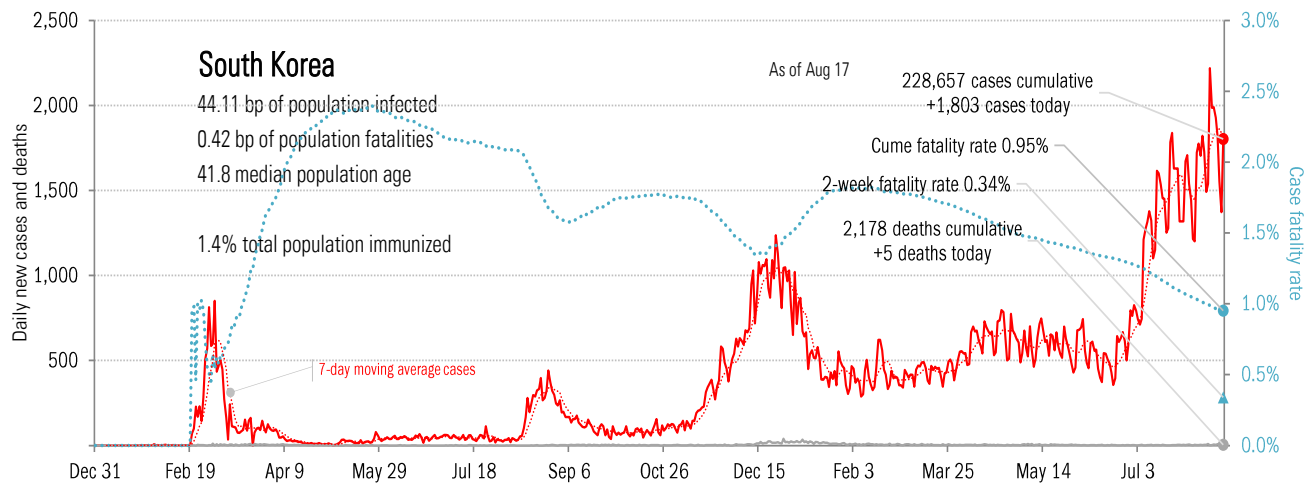
## Impact in continental Europe





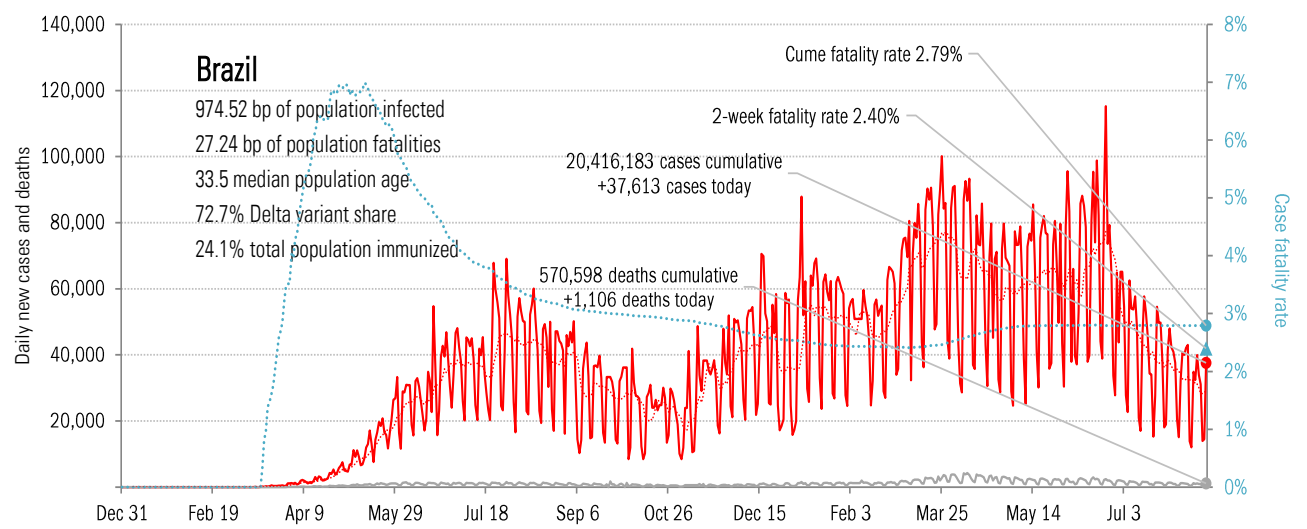
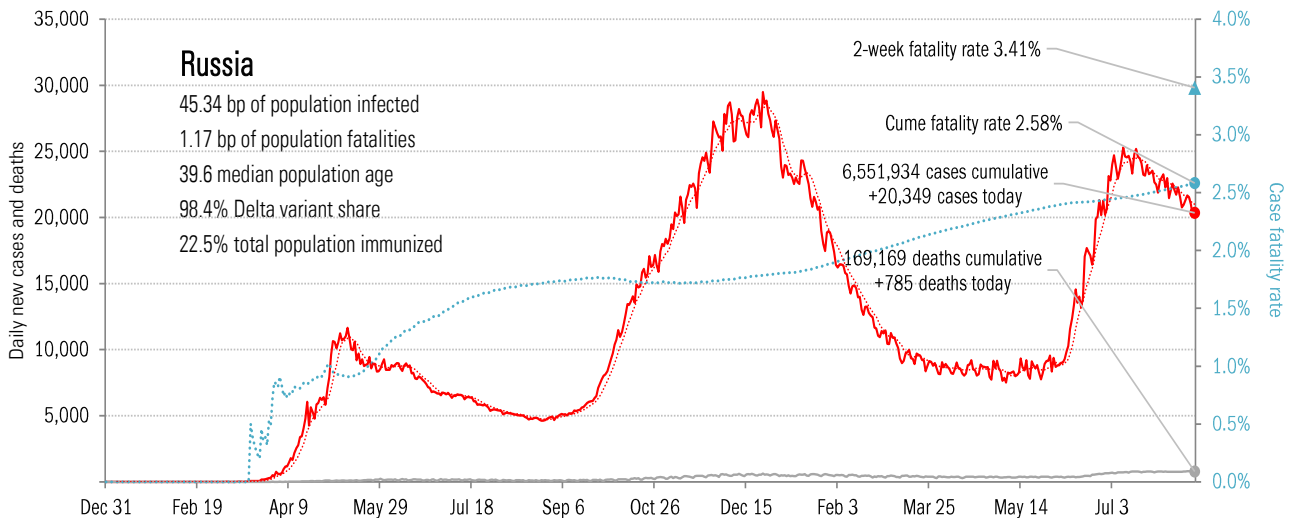
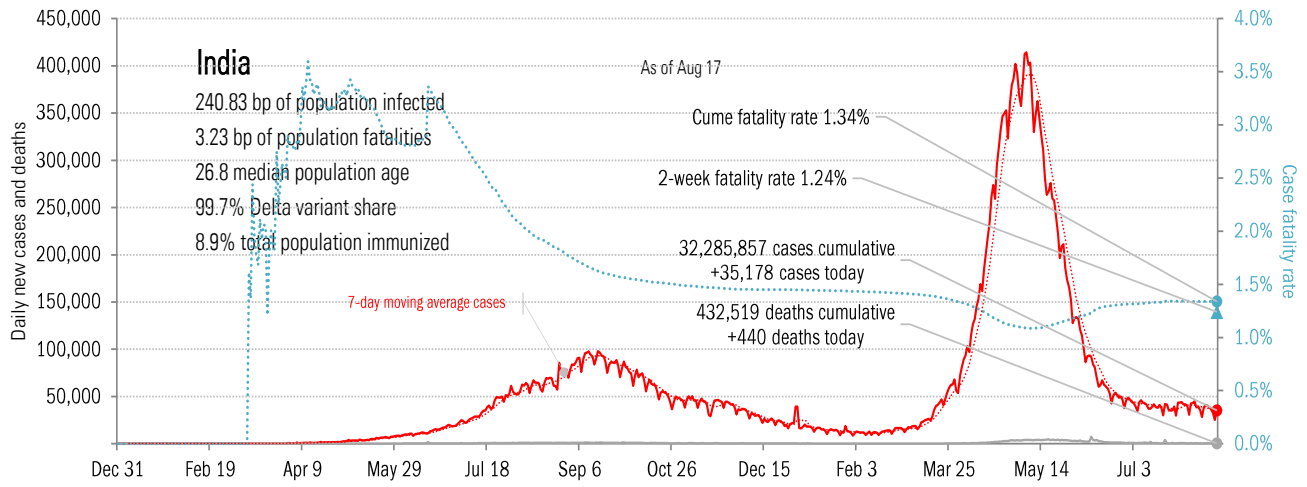
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in other hot-spots



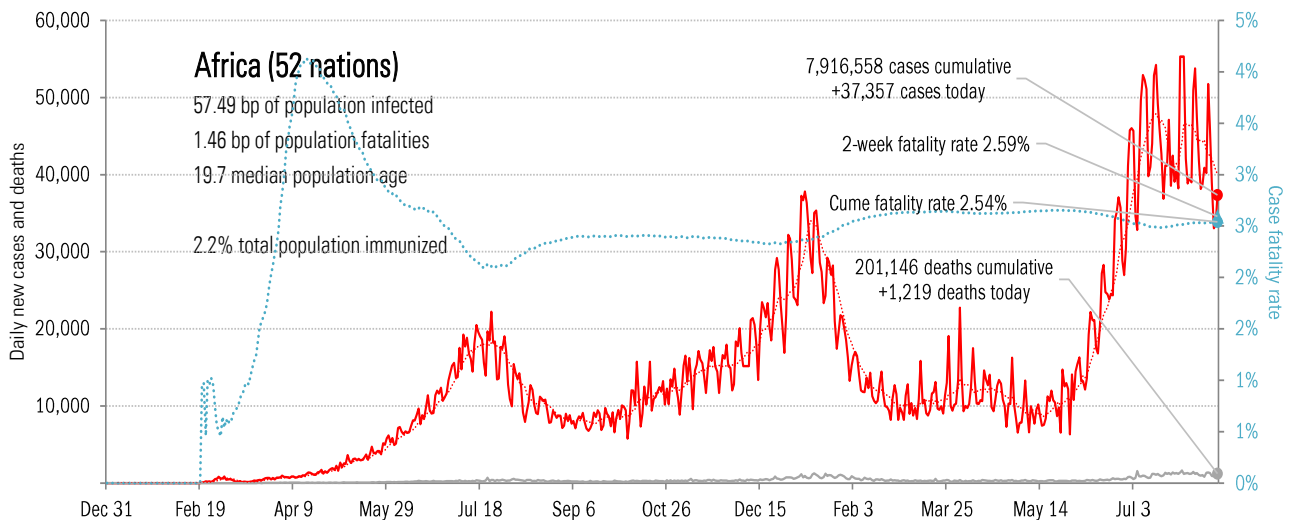
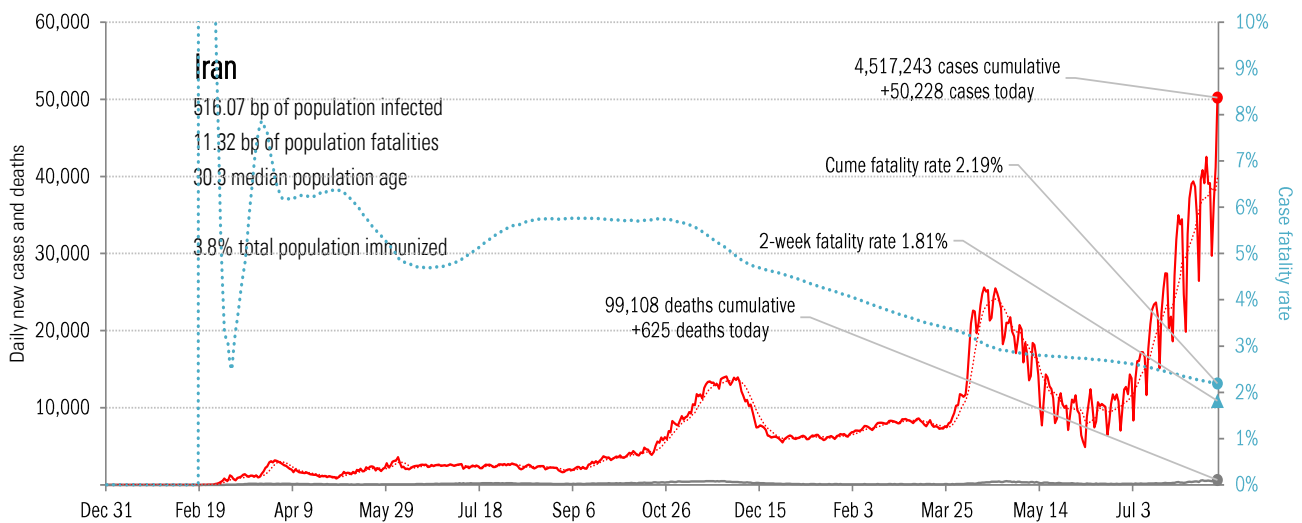
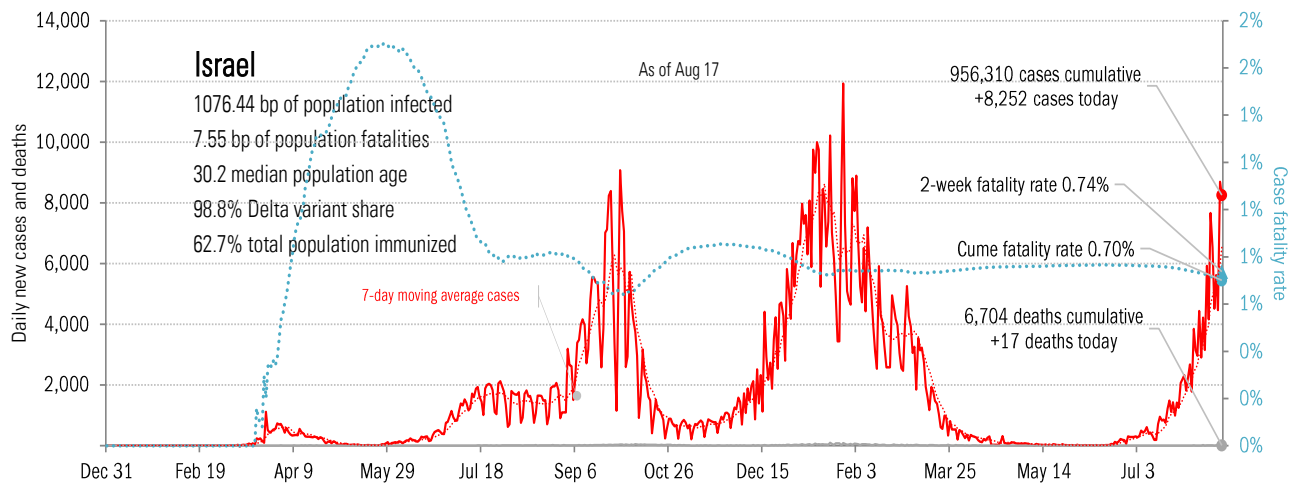
Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in the BRICs ex-China



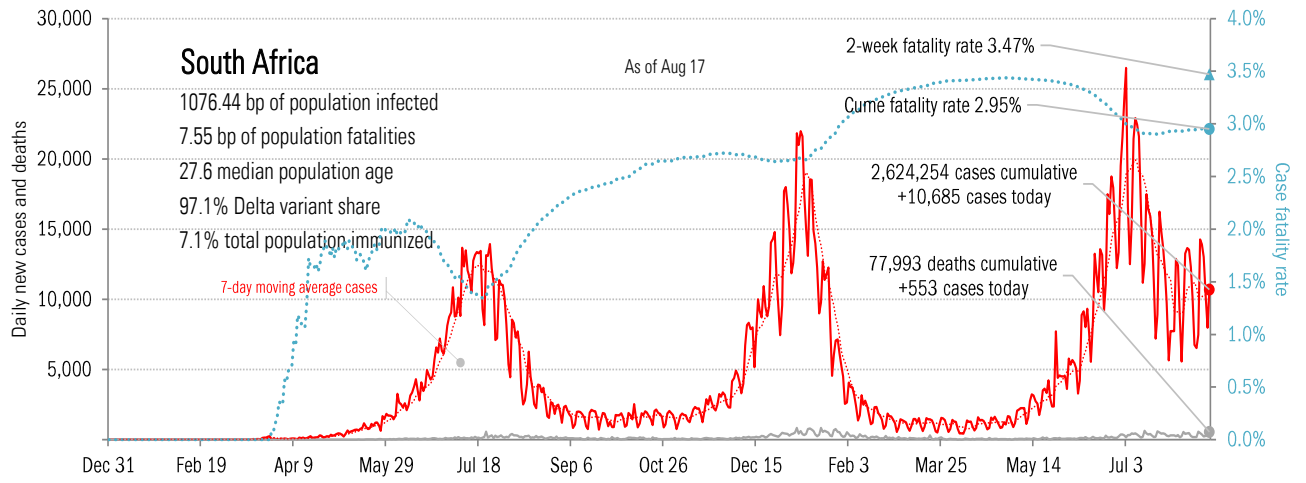
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

## Impact in Africa, continued



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