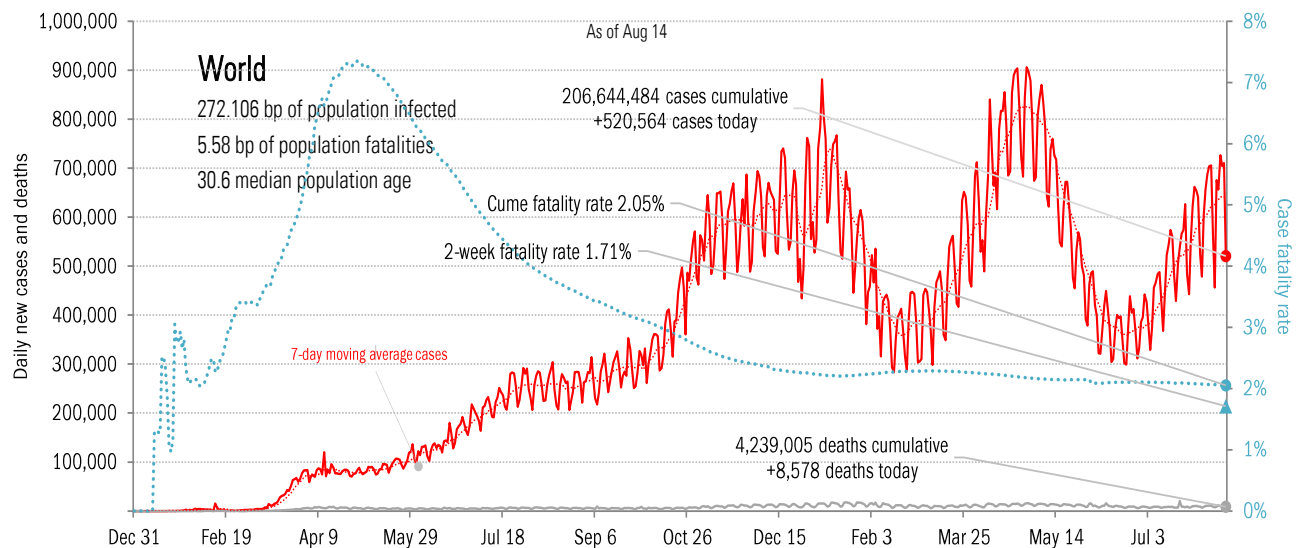
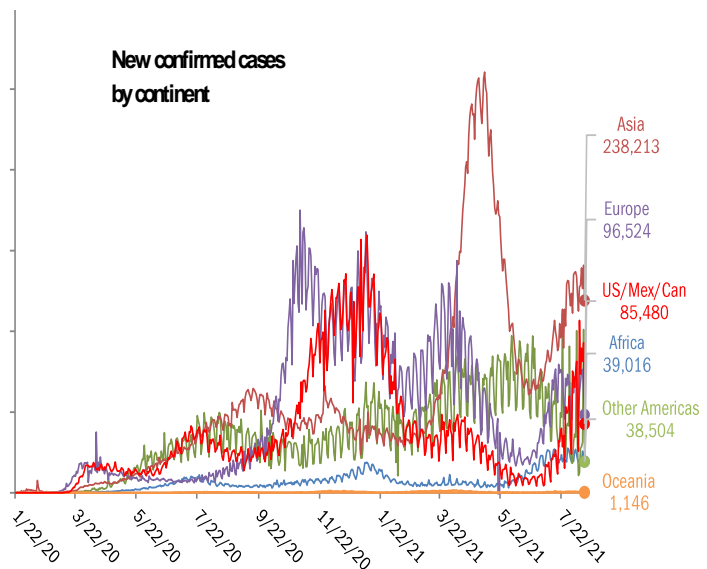


## Data Insights: Covid-2019 Monitor

Sunday, August 15, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+60,970	Indonesia	+1,270
India	+36,083	Brazil	+926
Brazil	+31,142	Russia	+799
Iran	+29,700	Mexico	+753
United Kingdom	+29,226	India	+493
Indonesia	+28,598	Iran	+466
Mexico	+23,642	Vietnam	+349
Thailand	+22,086	Malaysia	+260
Russia	+21,531	South Africa	+238
Malaysia	+20,670	Philippines	+232
<b>+303,648</b>		<b>+5,786</b>	
World	+520,564	World	+8,578
Top ten	58%	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)

# The US scorecard

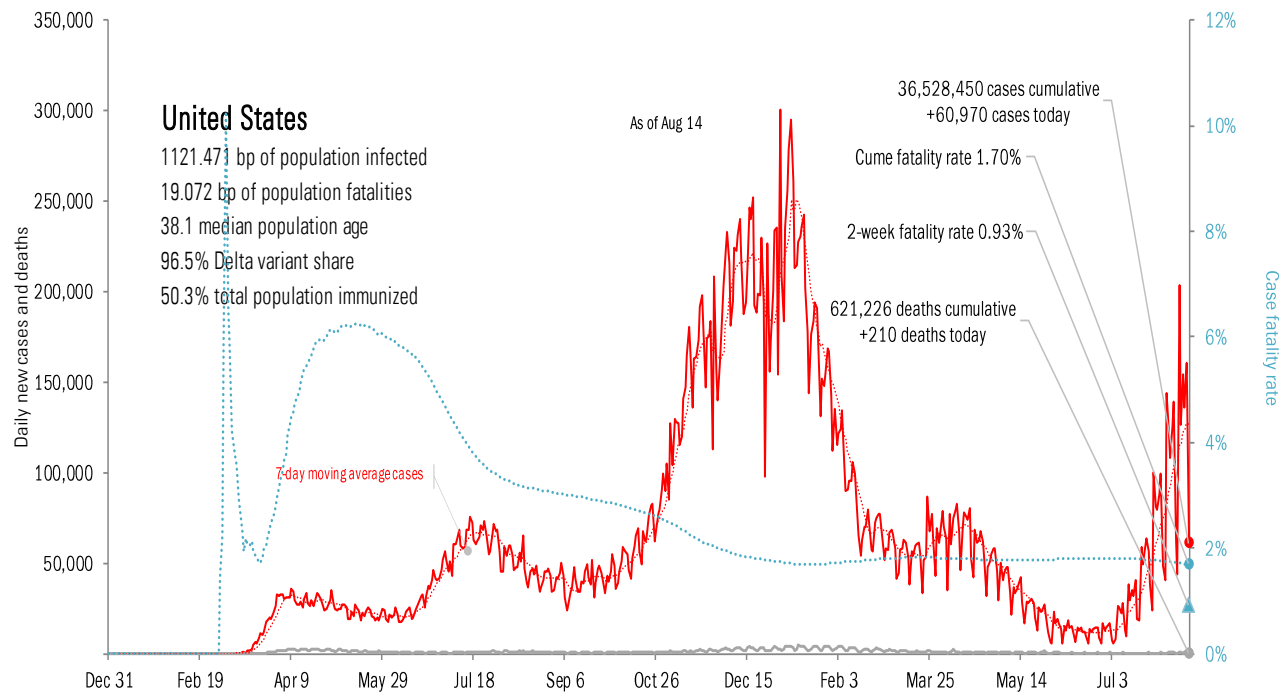
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	+21,681		FL	+208		TX	+240		CA	4,124,955		CA	64,633		TX	292,130		RI	88%	MS	53%
TX	+10,183		TX	+87		FL	+153		TX	3,334,027		TX	54,289		CA	262,452		GA	87%	FL	49%
CA	+8,834		CA	+40		GA	+131		FL	2,812,346		NY	53,855		FL	243,545		FL	86%	LA	48%
NY	+4,602		MO	+20		CA	+100		NY	2,201,468		FL	40,070		NY	141,987		MA	85%	AL	45%
MO	+3,255		NY	+15		KY	+88		IL	1,457,687		PA	27,966		GA	122,816		MO	85%	AR	44%
NJ	+2,564		AR	+13		OH	+81		PA	1,252,727		NJ	26,692		PA	94,851		MD	84%	GA	44%
CH	+2,460		NJ	+11		TN	+75		GA	1,252,615		IL	26,027		CH	92,595		PA	82%	TX	42%
AR	+2,117		MD	+9		NC	+66		CH	1,157,782		GA	21,978		IL	88,045		SC	82%	MO	40%
PA	+1,842		PA	+9		IL	+63		NC	1,107,414		MI	21,284		KY	85,692		NV	81%	OK	38%
MD	+1,016		FR	+4		NY	+59		NJ	1,059,660		CH	20,614		MI	75,641		MN	81%	ID	36%
+58,554			+416			+1,056			19,760,681			357,408			1,499,754						
All states +60,970			+418			+1679			All states 36,528,450			621,226			2,658,725			All states 70%		67%	
Top ten 96%			100%			63%			Top ten 54%			58%			56%			Median 74%		19%	

*Some states not reporting*      *Updated Saturdays*

## Five most improved US states

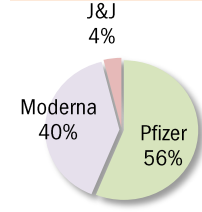
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-9,329	TX	-58	FL	-260	LA	+40 bp
LA	-7,548	LA	-57	TX	-163	MO	+30 bp
TX	-7,394	GA	-49	CA	-104	AR	+20 bp
GA	-7,216	AL	-41	OK	-73	CT	+20 bp
NC	-6,628	NV	-40	AL	-67	FL	+20 bp



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			
	365,852,842				+1.014 million	US	50.3%	59.1%
Total population	202,545,428	61%	172,445,159	52%	+0.404 million	UK	59.5%	69.6%
Age 12 to 17	11,256,134	47%	8,329,588	35%	+0.075 million	France	51.8%	67.8%
Age 18 to 64	138,973,896	68%	117,611,832	58%	+0.275 million	Spain	63.2%	73.7%
Age 65 and over	51,332,625	94%	45,693,762	84%	+0.052 million	Germany	56.5%	62.6%
						Italy	57.0%	67.2%
						Australia	20.6%	38.3%
						Israel	62.5%	67.5%
						Canada	63.7%	72.5%
						Japan	36.7%	48.8%
						Africa	2.1%	4.2%
						India	8.8%	30.6%
						Brazil	23.2%	54.6%
						China	54.0%	43.2%



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



Every American >18 immune in **119 days** by Dec 10, 2021  
 63.2% of population >18 immunized  
 12.4% previously tested positive  
**75.7%** vs 60% adult herd immunity\*

As of Aug 14

Global data differs from sources, timing

AK
52.6%
46.2%

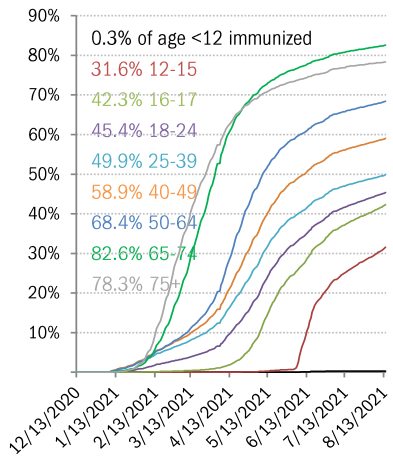
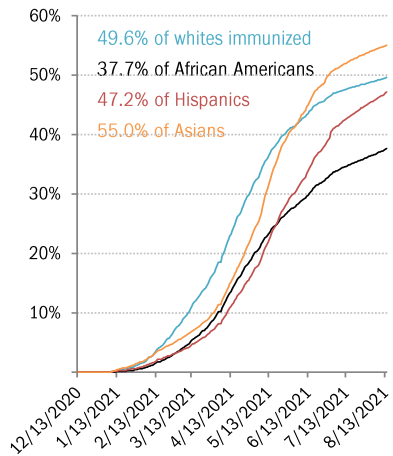
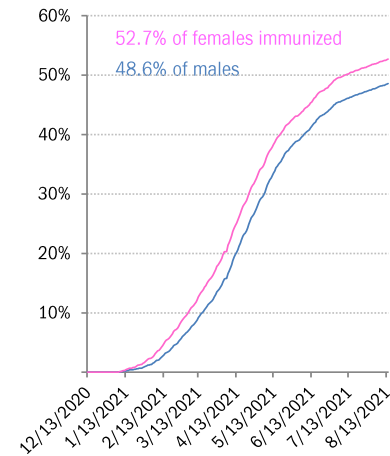
WI
57.0%
52.5%

ME
69.7%
64.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
65.6%	42.3%	50.7%	46.7%	60.3%	64.1%	54.2%	65.1%	75.0%	65.7%	
58.7%	38.0%	45.0%	40.7%	54.6%	49.6%	49.5%	58.3%	67.0%	58.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
62.1%	55.8%	42.9%	54.4%	54.8%	48.6%	51.1%	67.3%	67.8%	73.9%	
56.8%	45.7%	37.3%	47.8%	50.4%	45.0%	47.2%	53.5%	59.6%	64.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
66.7%	53.8%	61.8%	55.7%	51.0%	54.3%	46.5%	63.5%	66.4%	71.6%	69.2%
54.1%	45.8%	55.5%	50.4%	43.1%	46.7%	39.3%	55.6%	59.9%	64.4%	62.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	54.9%	67.3%	55.3%	50.4%	46.9%	53.2%	48.9%	65.7%	62.3%	
	46.3%	58.2%	46.3%	38.4%	40.0%	44.7%	41.5%	56.1%	53.7%	
			OK	LA	MS	AL	GA			
			50.5%	46.4%	43.3%	46.1%	48.1%			
			41.4%	38.3%	35.8%	35.2%	39.4%			
			TX					FL		PR
			54.4%					60.9%		70.6%
			45.2%					50.2%		61.2%

HI
72.7%
54.2%

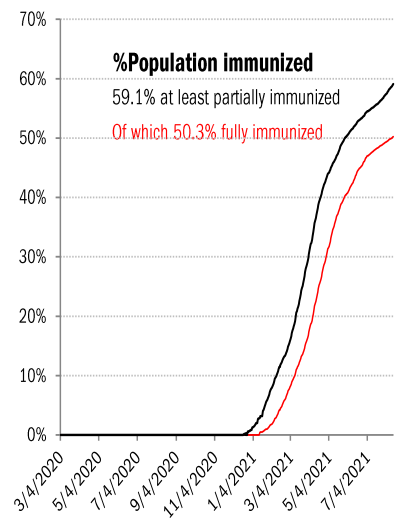
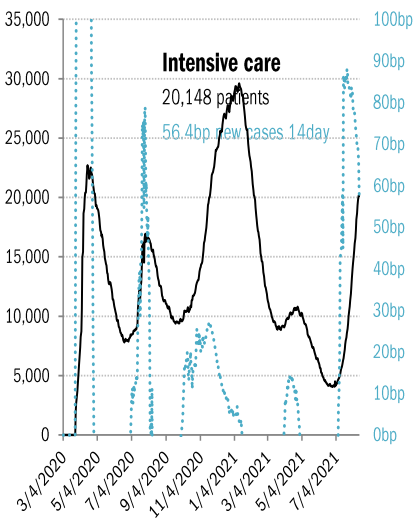
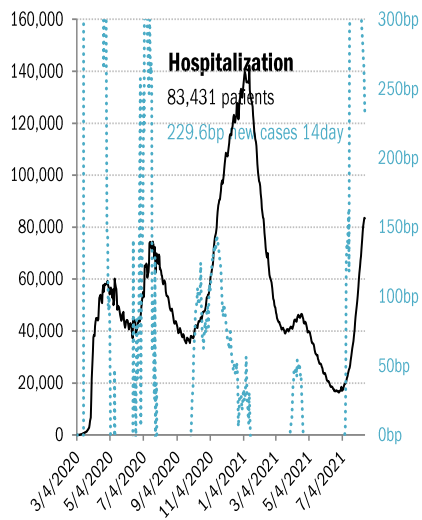
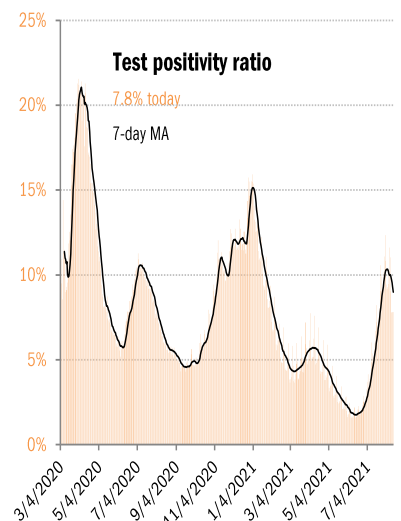
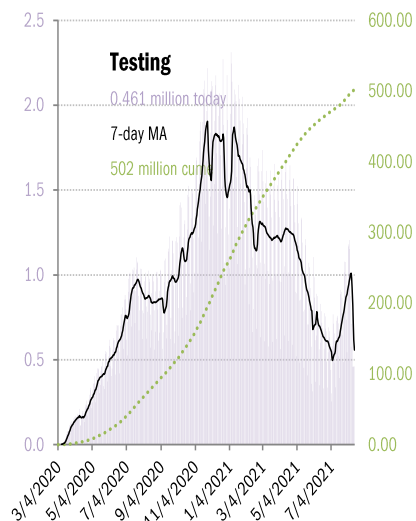
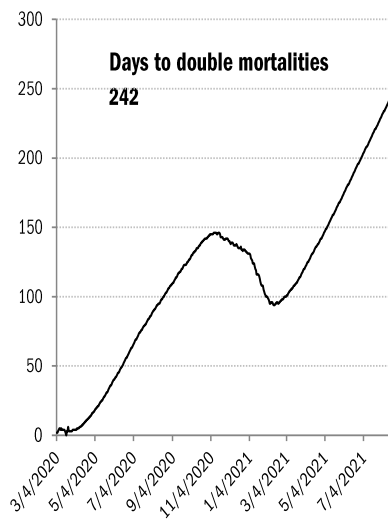
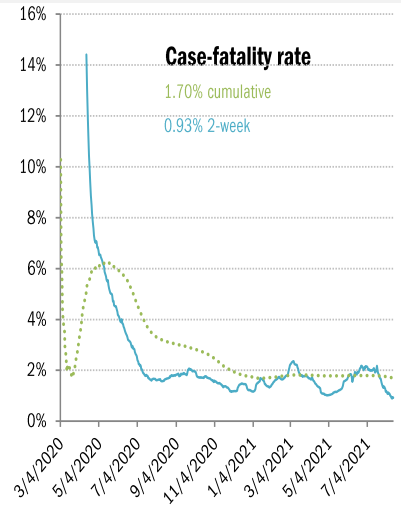
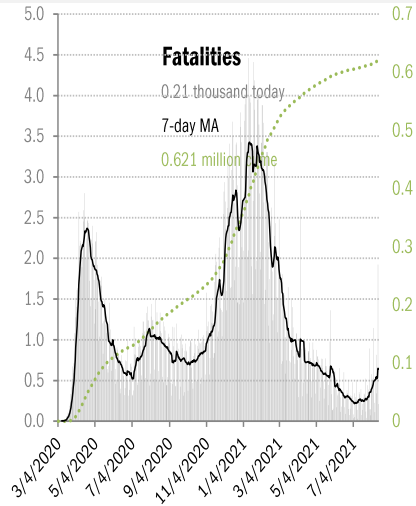
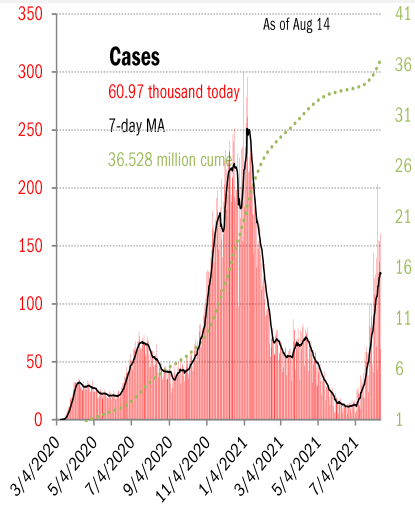
## The demographics of US vaccination



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

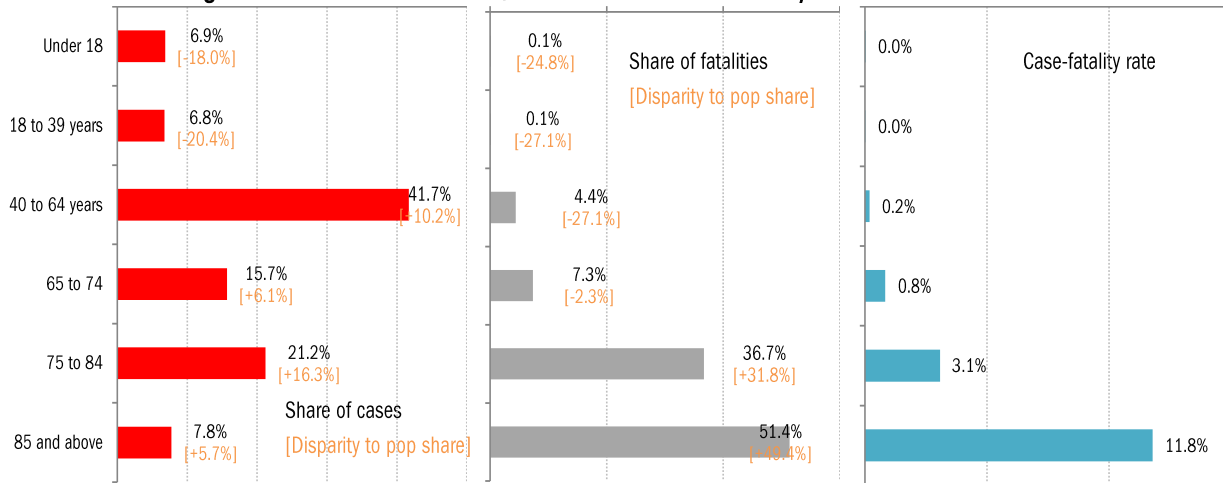
# US deep-dive

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

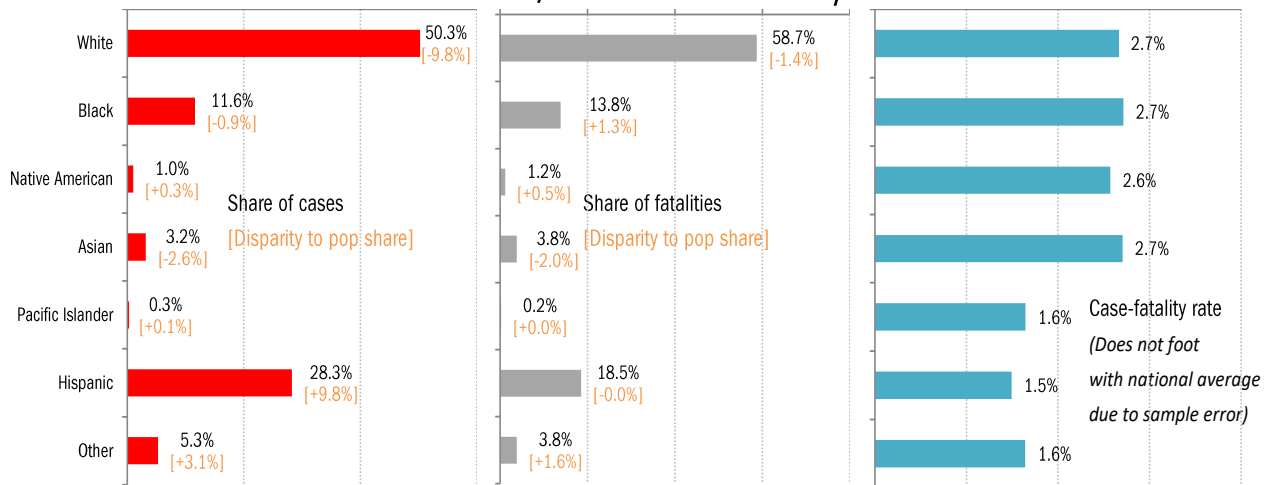


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

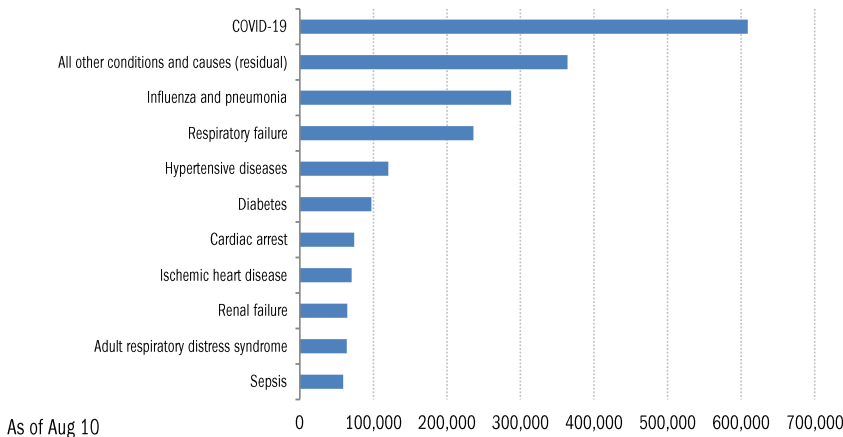


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 10

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

[Biden Administration Plans for Vaccine Boosters, Perhaps by Fall](#)

Sharon LaFraniere  
*New York Times*  
August 14, 2021

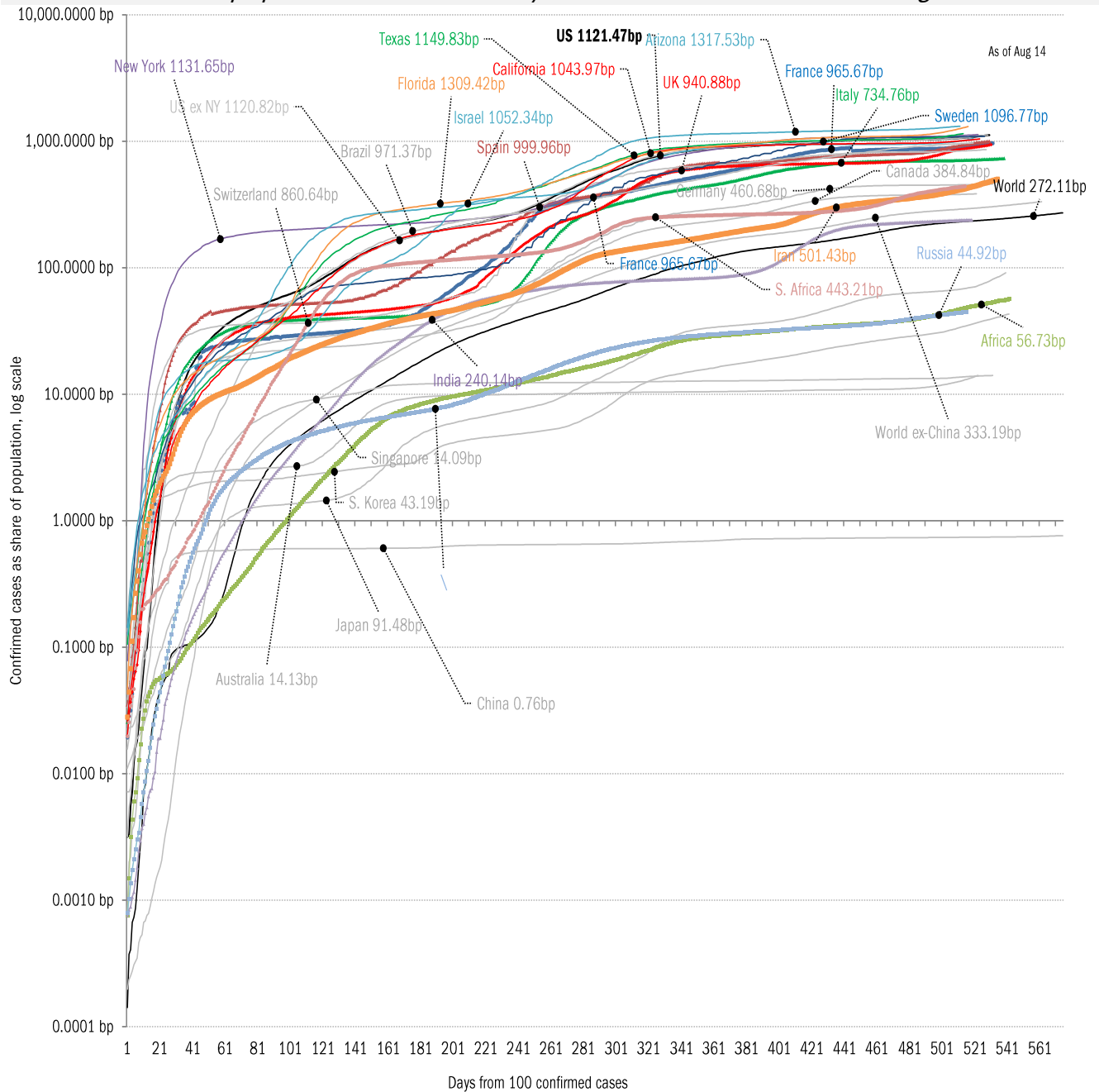
## Meme of the day

**Can't wait to see all the 1st day of school pics this year.**



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

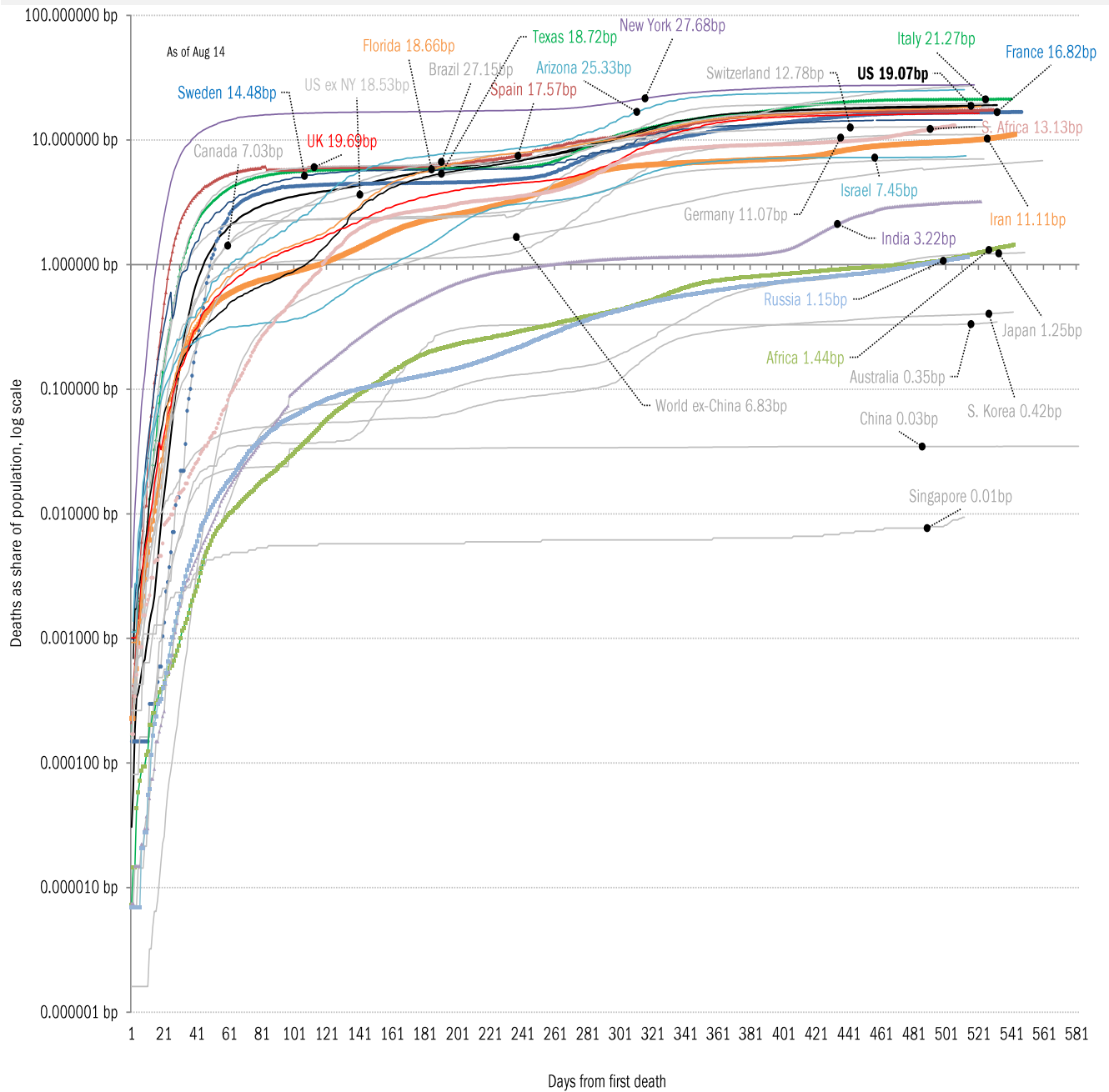
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



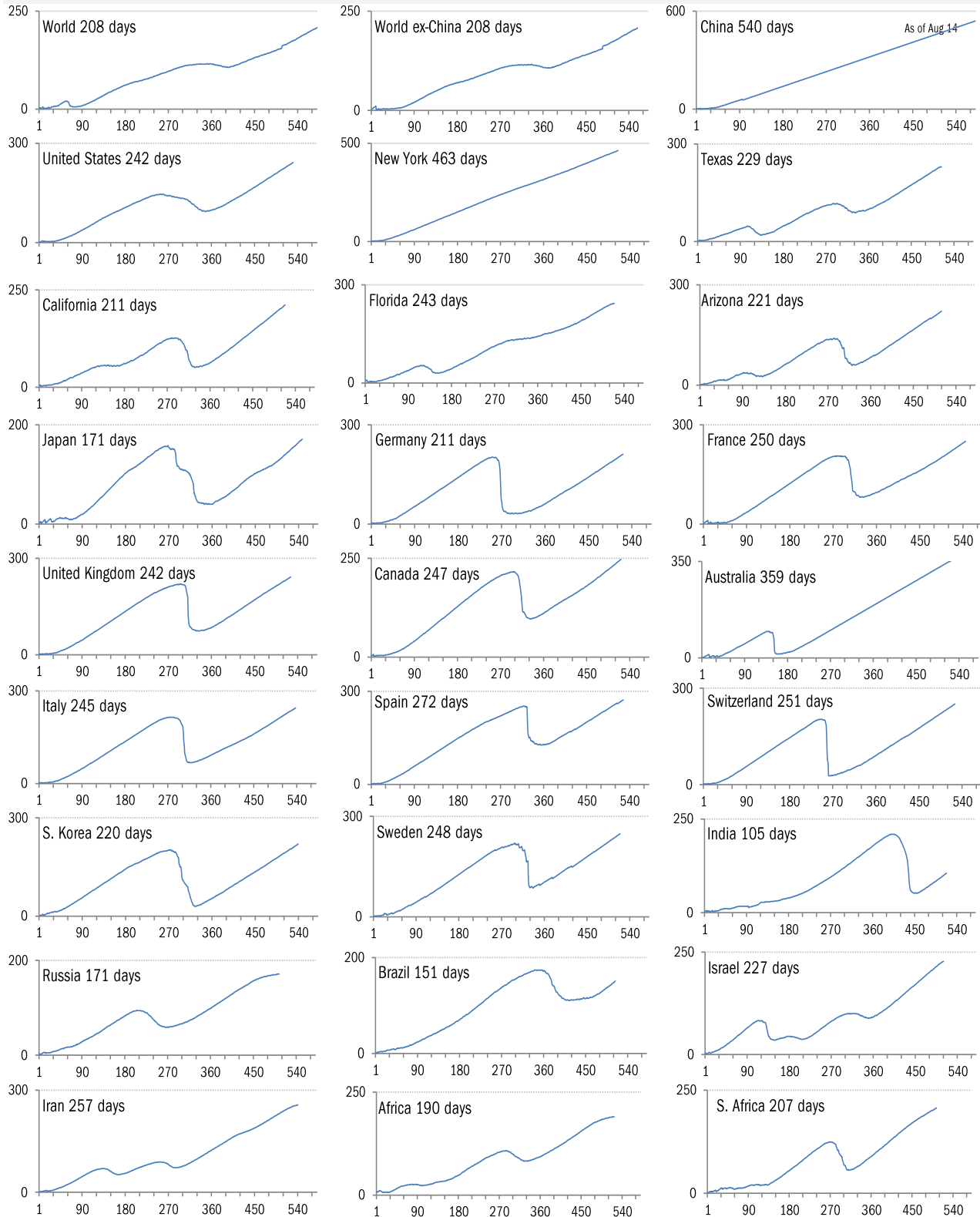
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

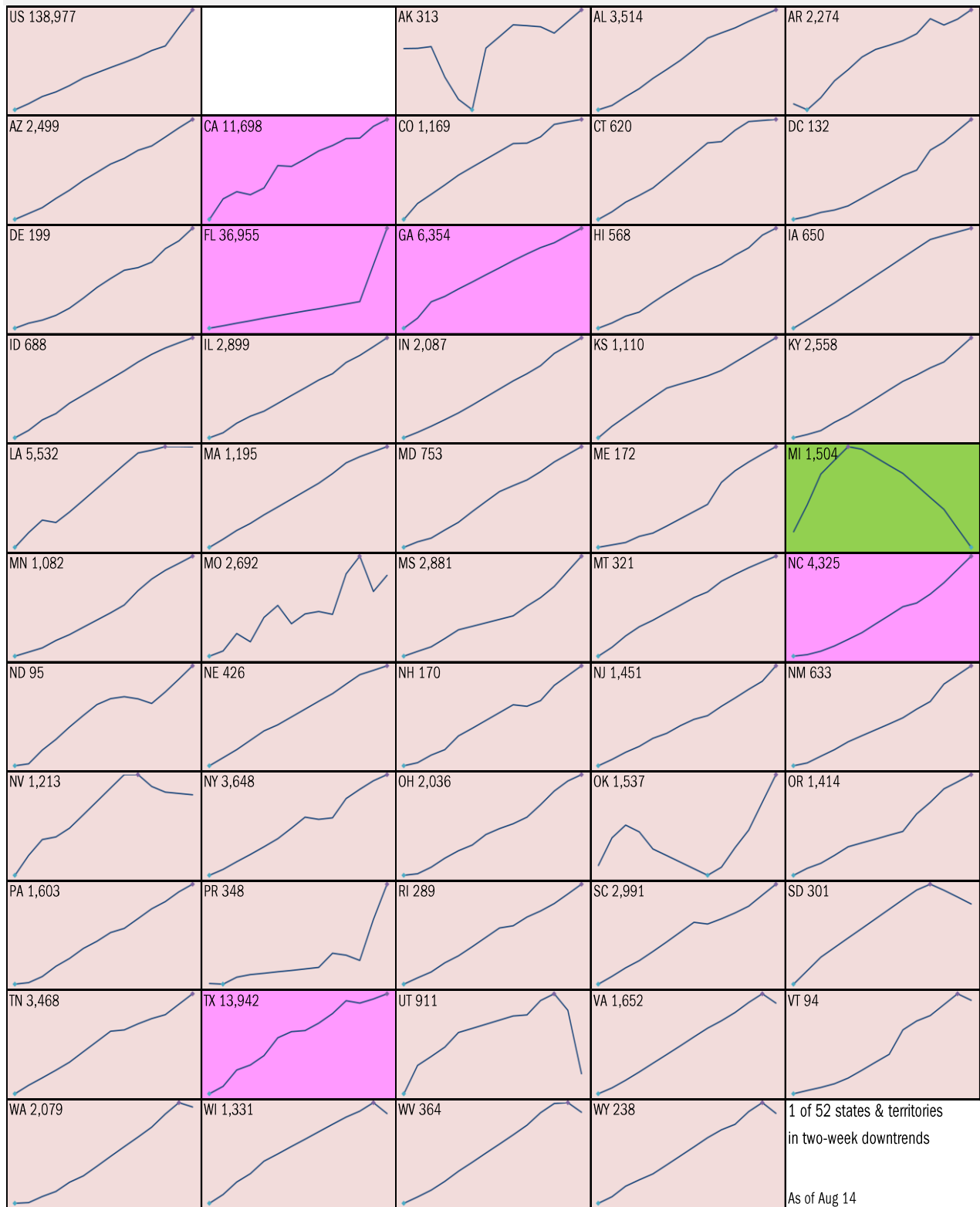


Source: [Johns Hopkins](#), TrendMacro calculations

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

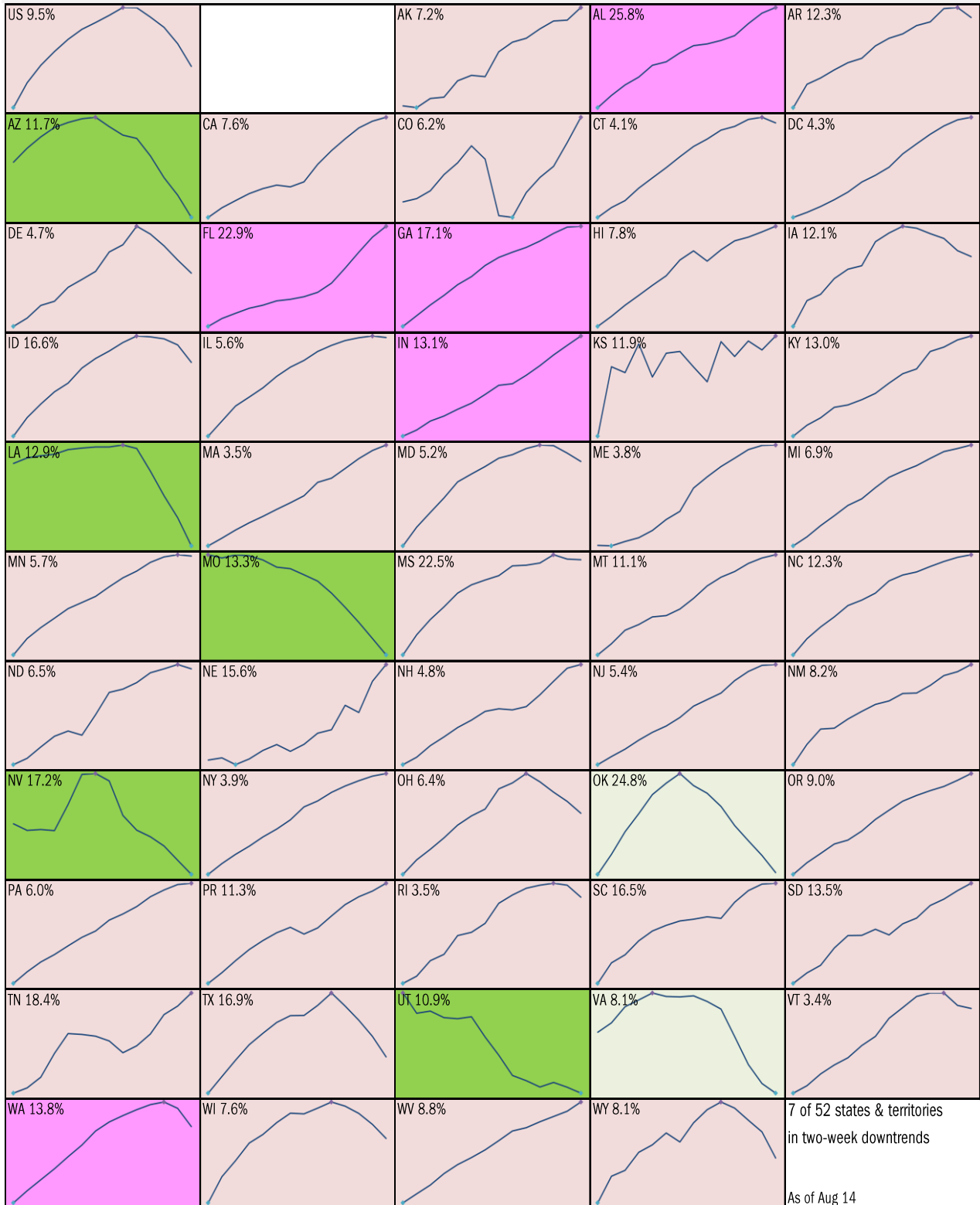


Source: [Johns Hopkins](#), TrendMacro calculations

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

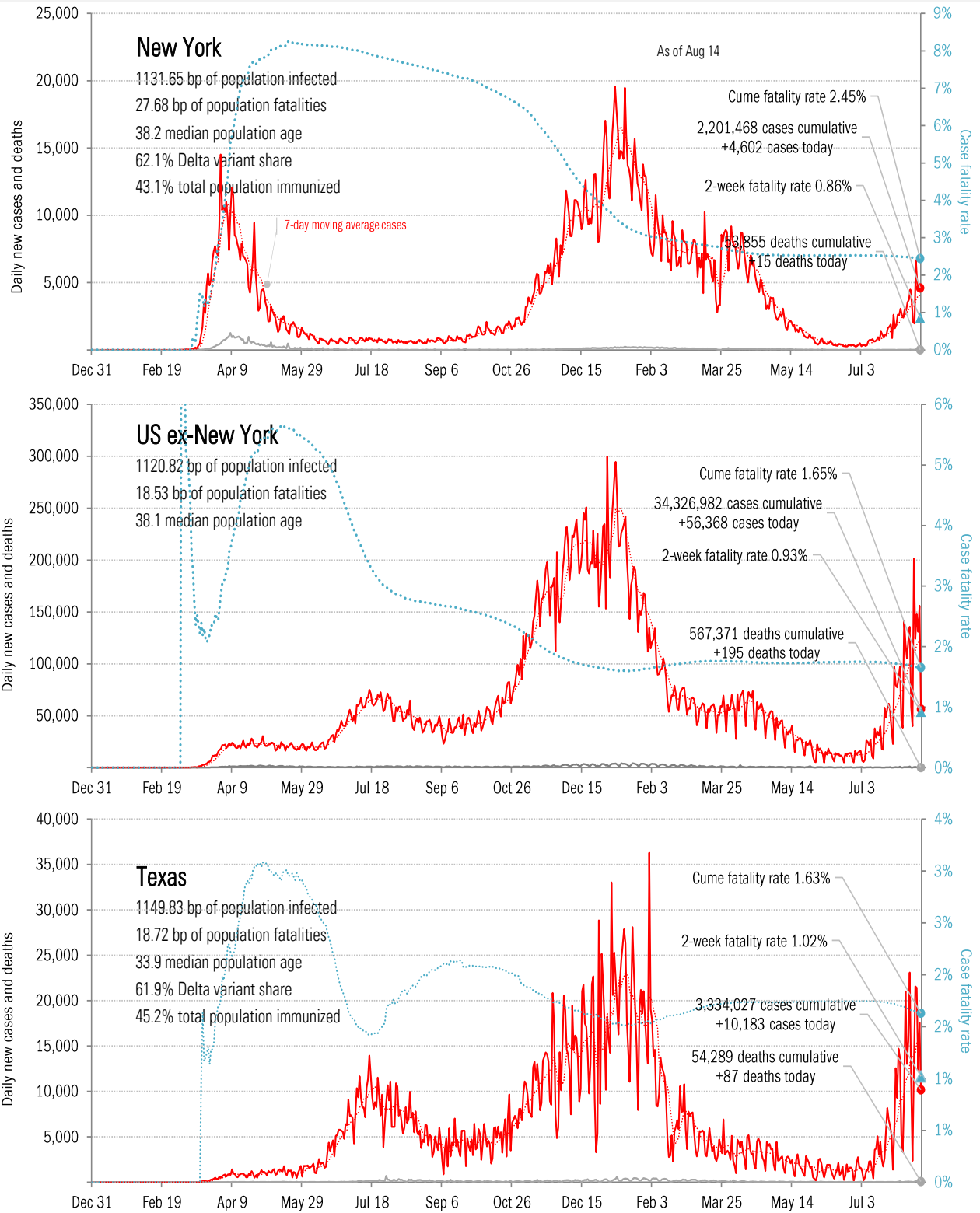
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



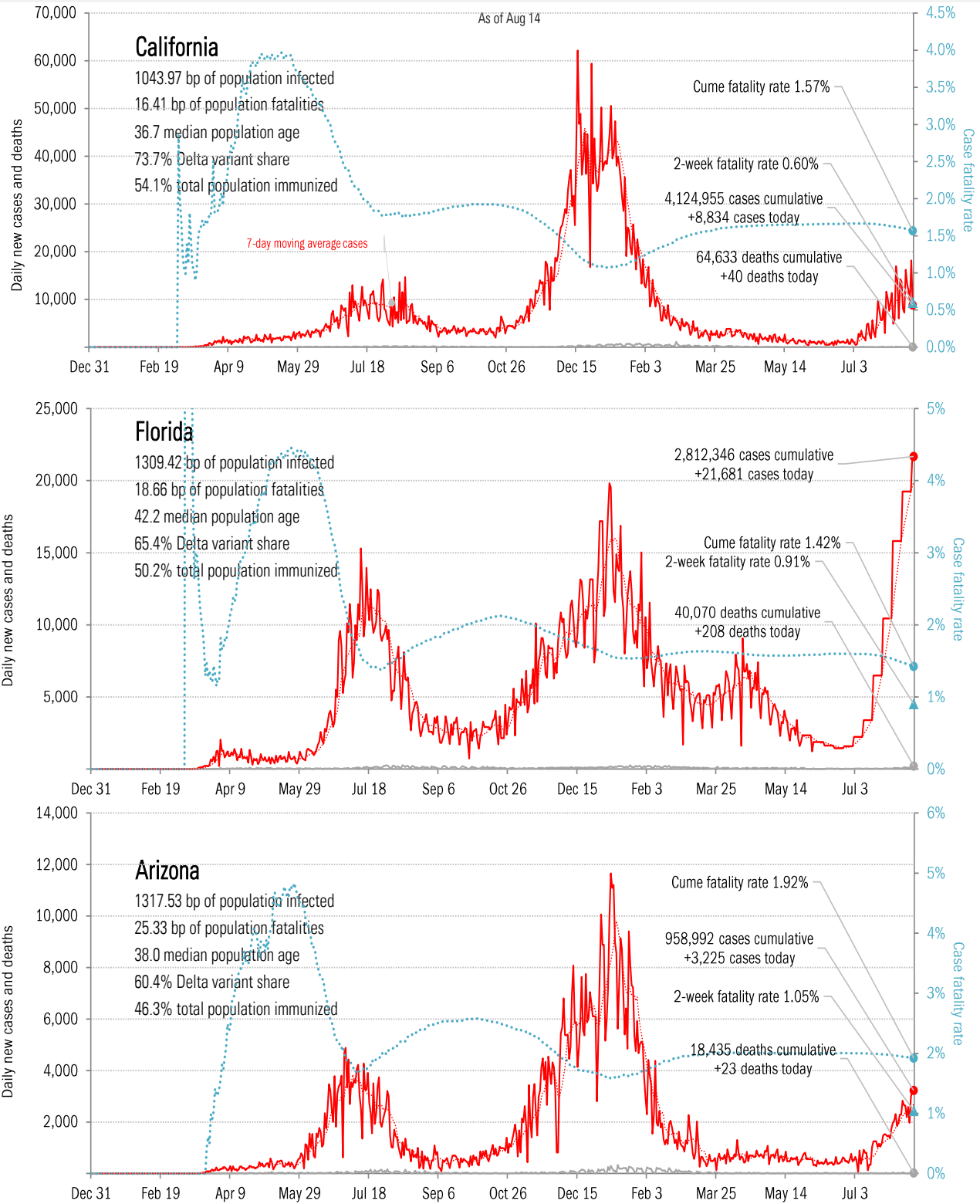
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



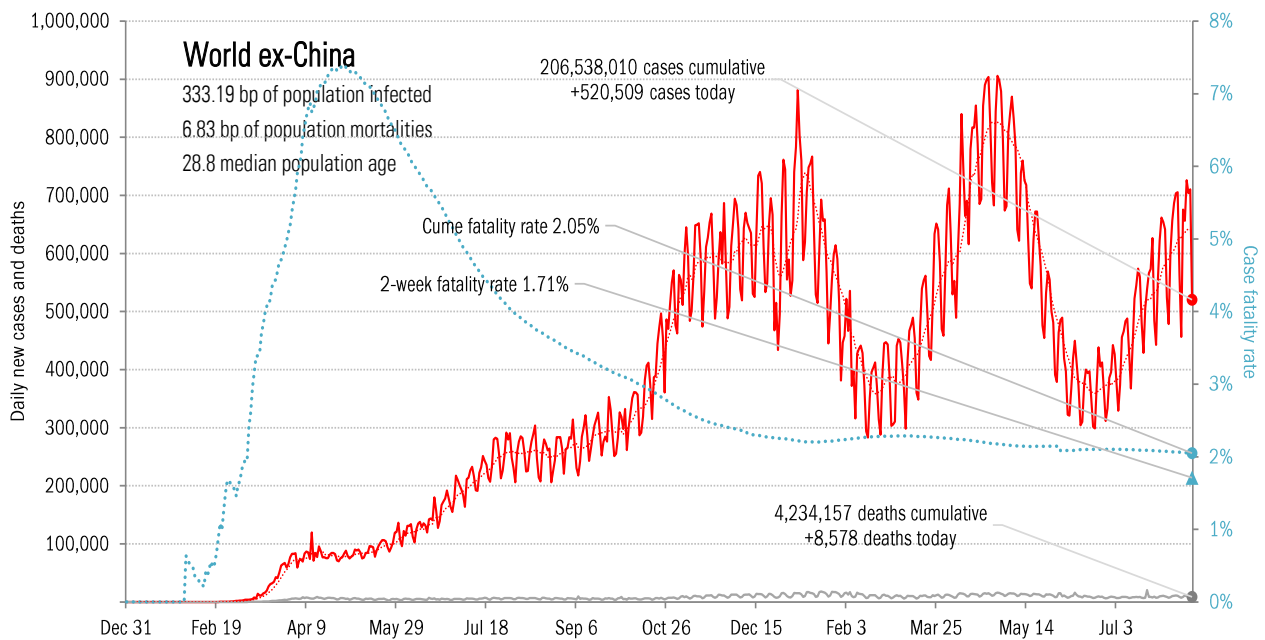
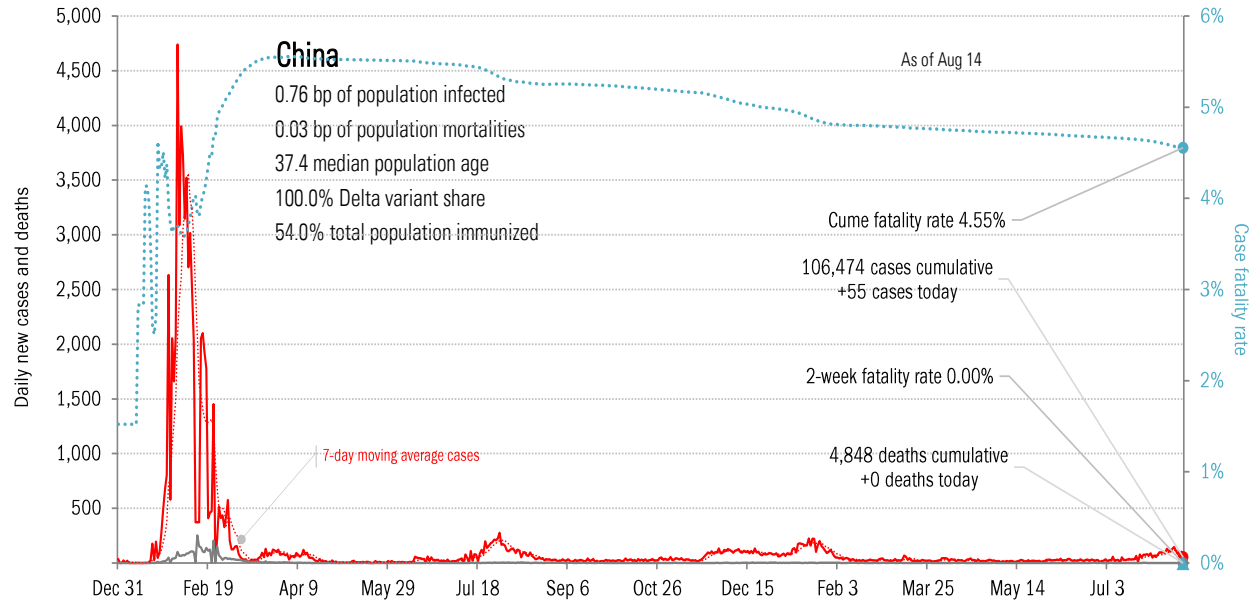
Source: [Johns Hopkins](#), TrendMacro calculations

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



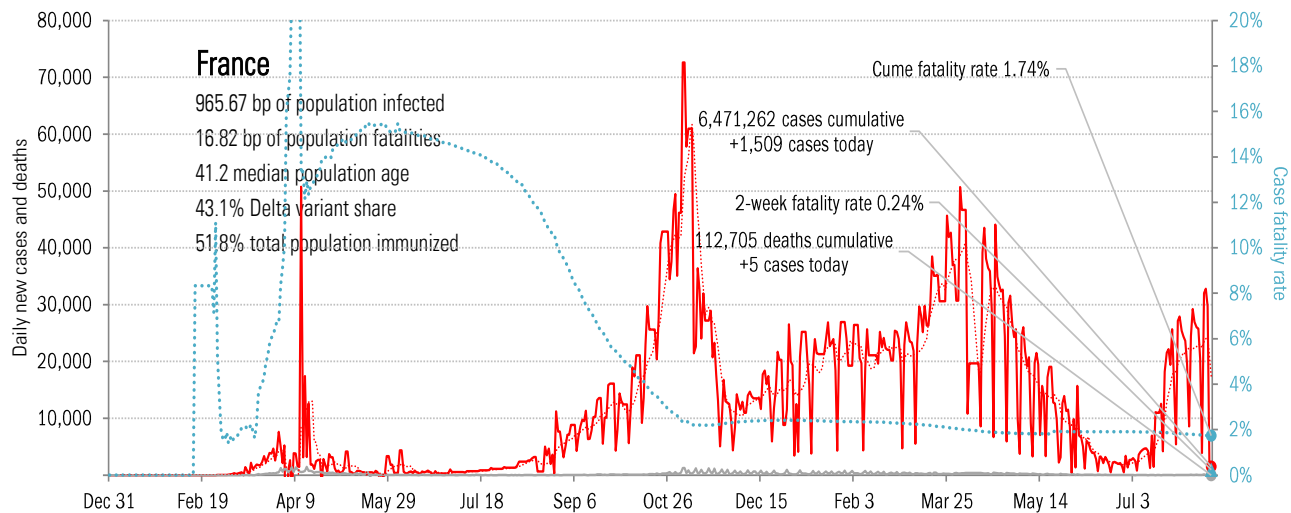
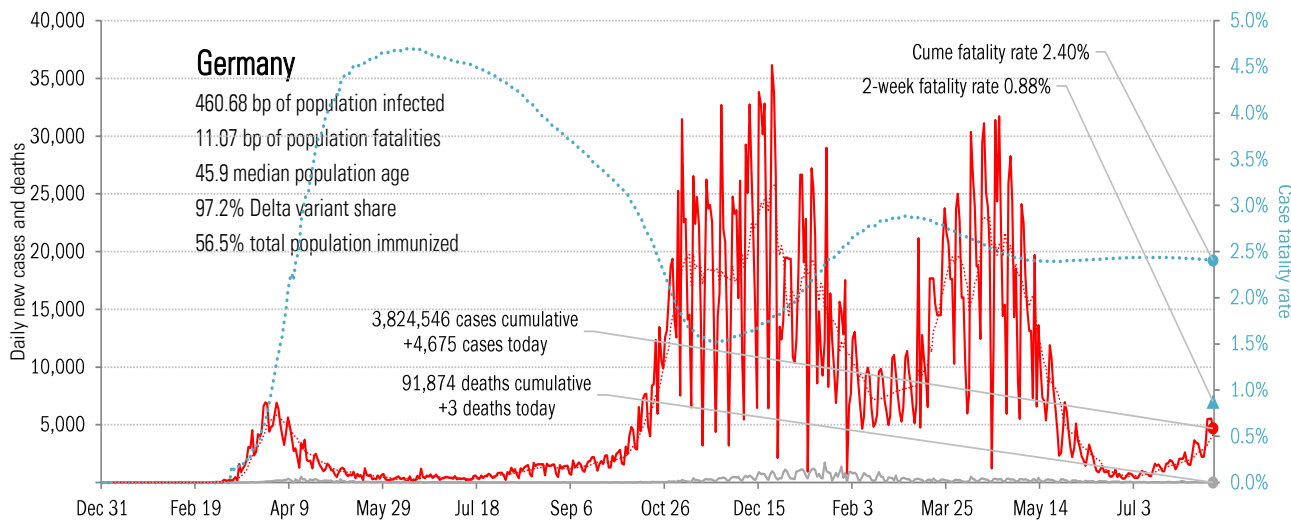
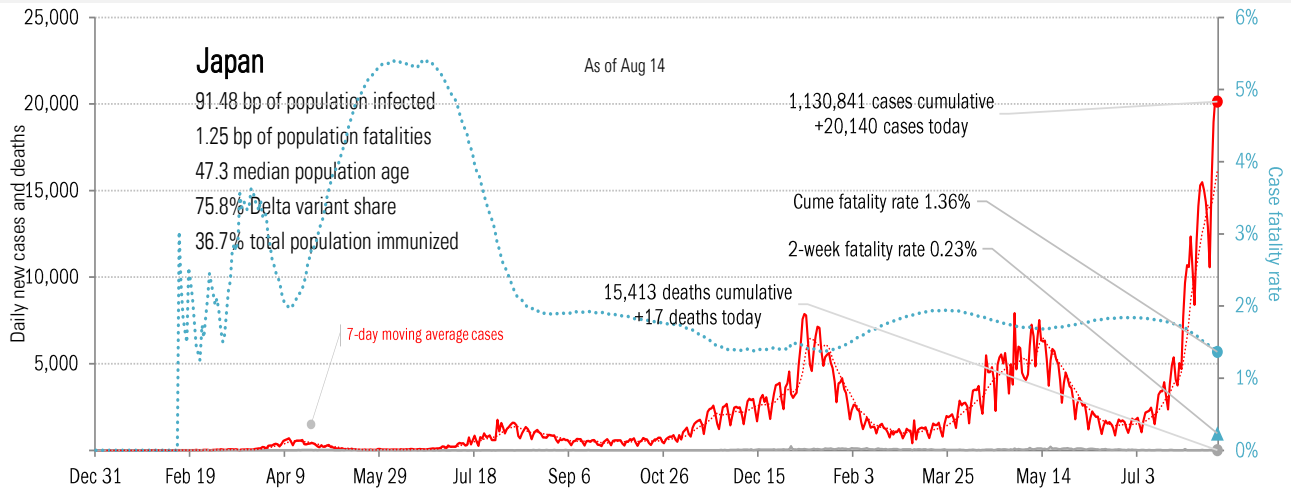
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



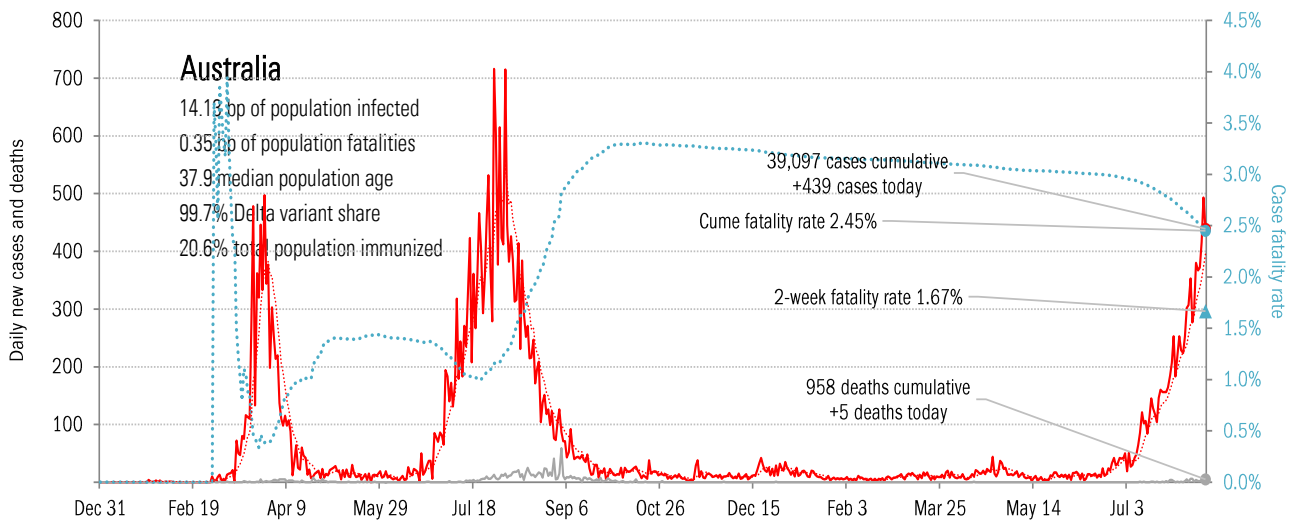
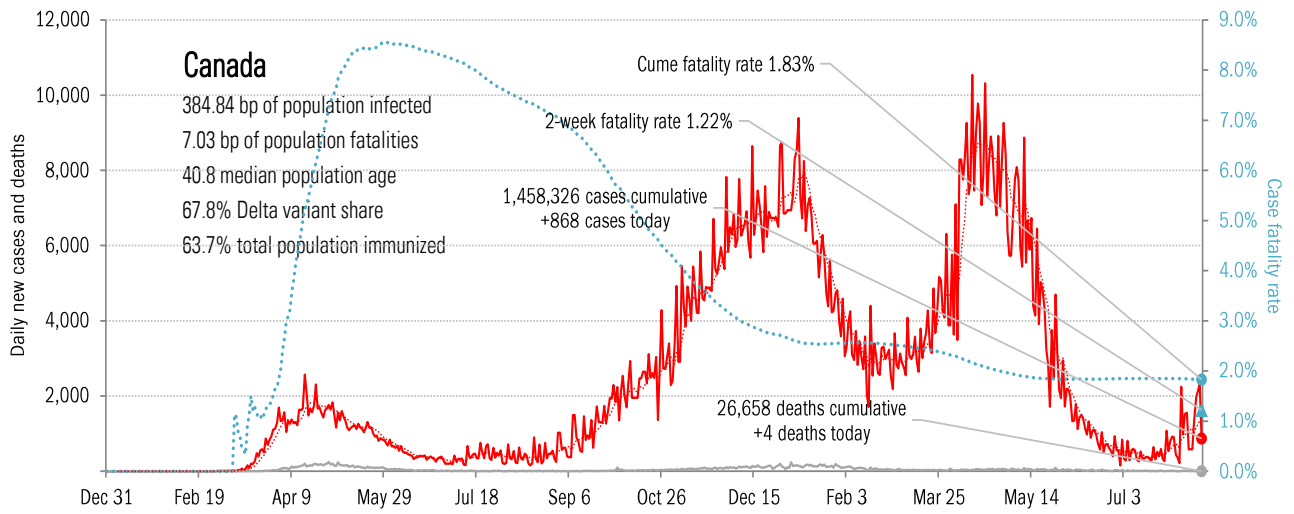
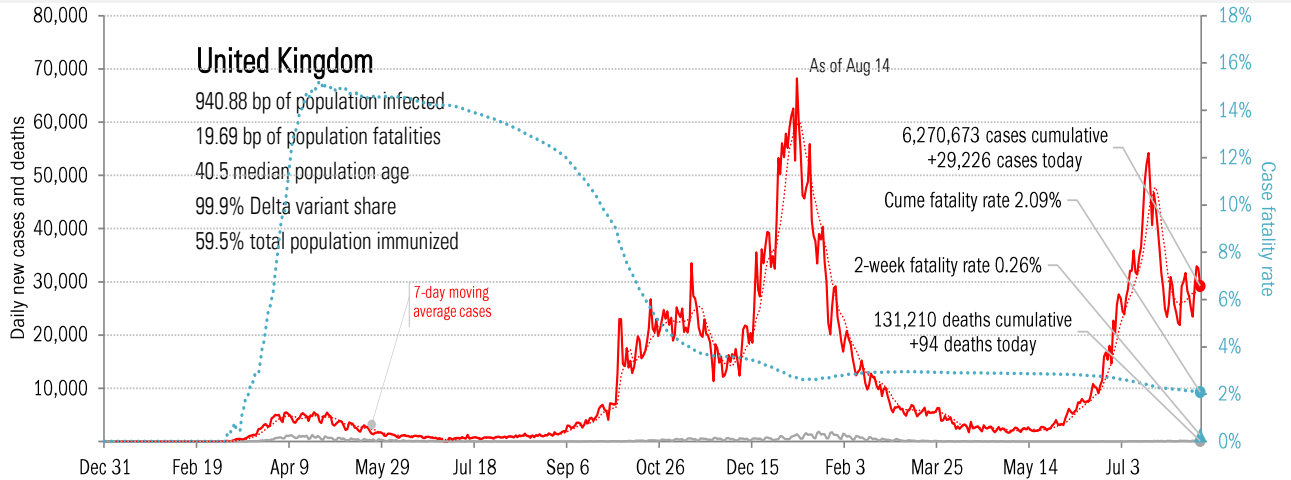
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

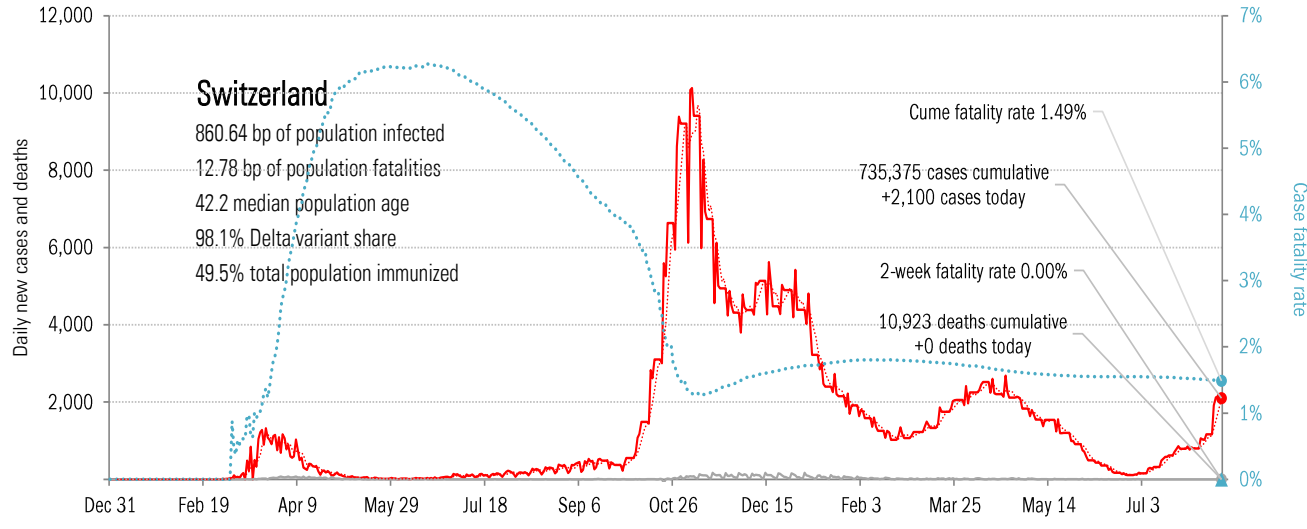
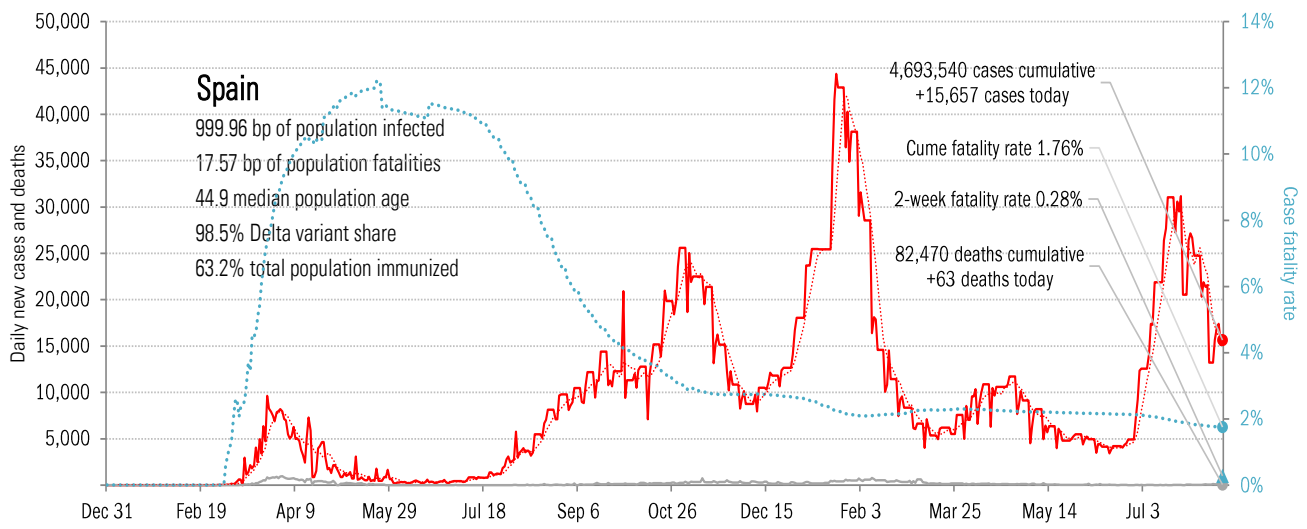
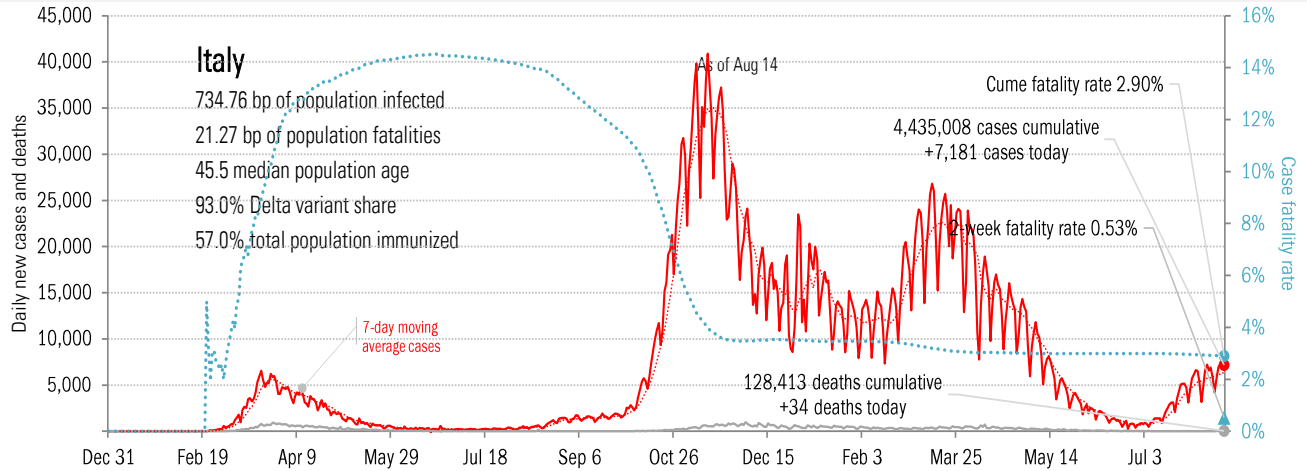
# Impact in The Anglosphere



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

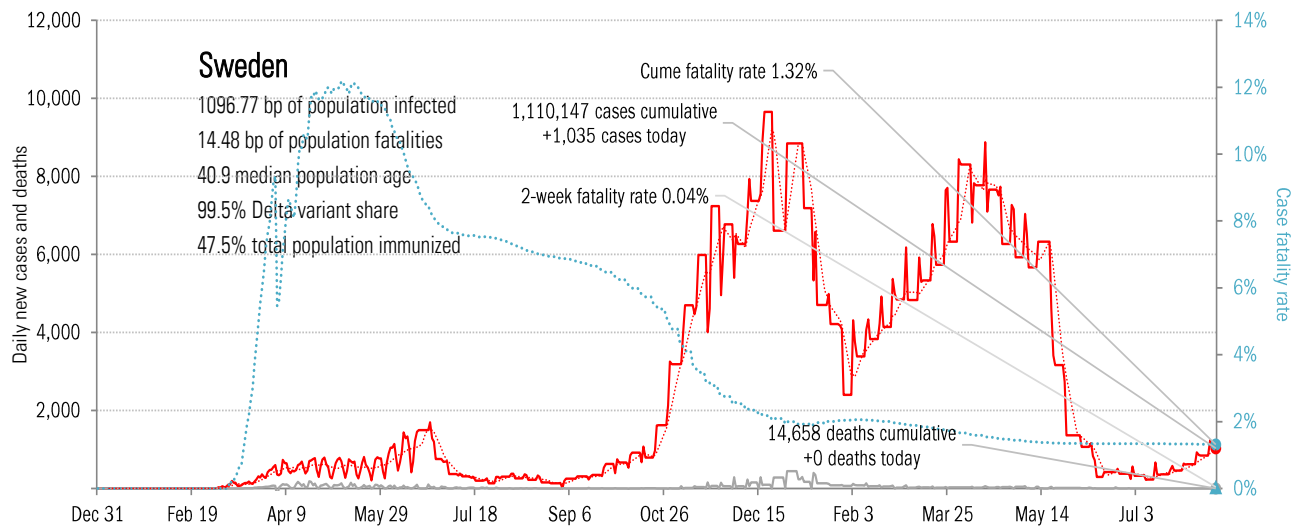
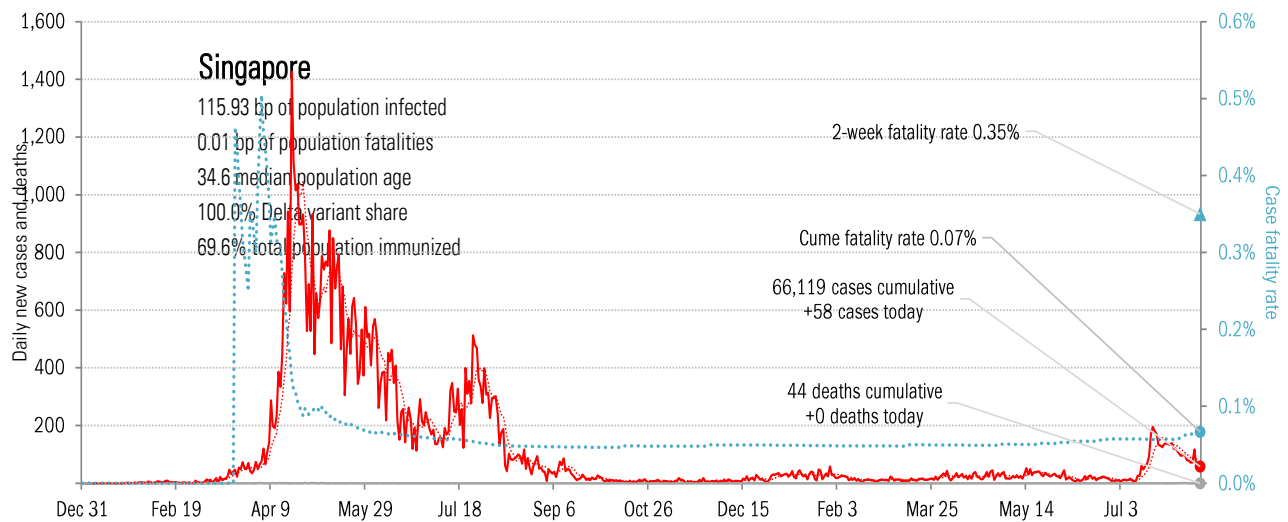
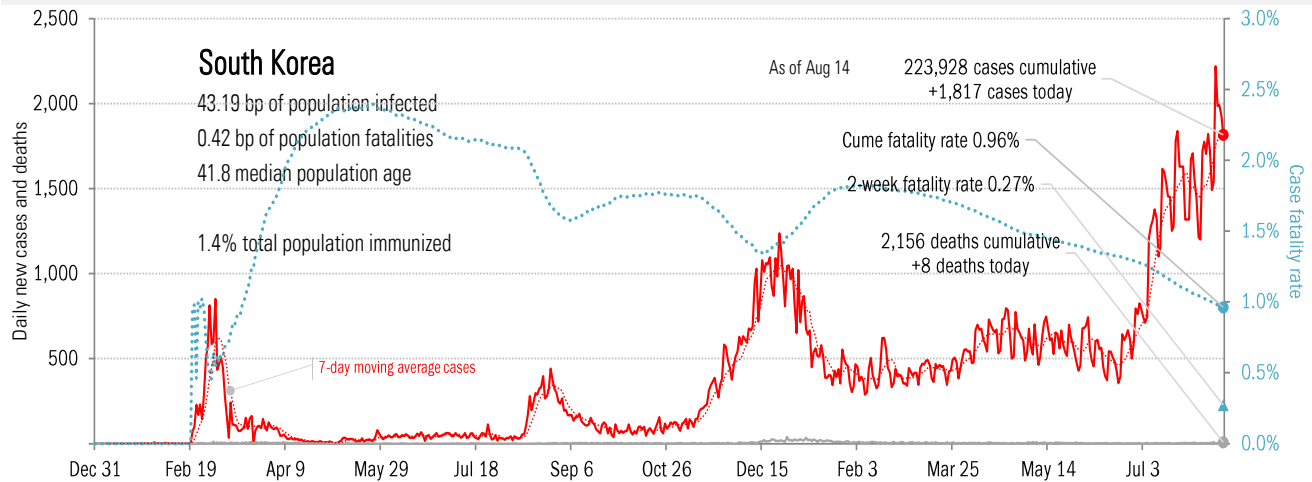


# Impact in continental Europe



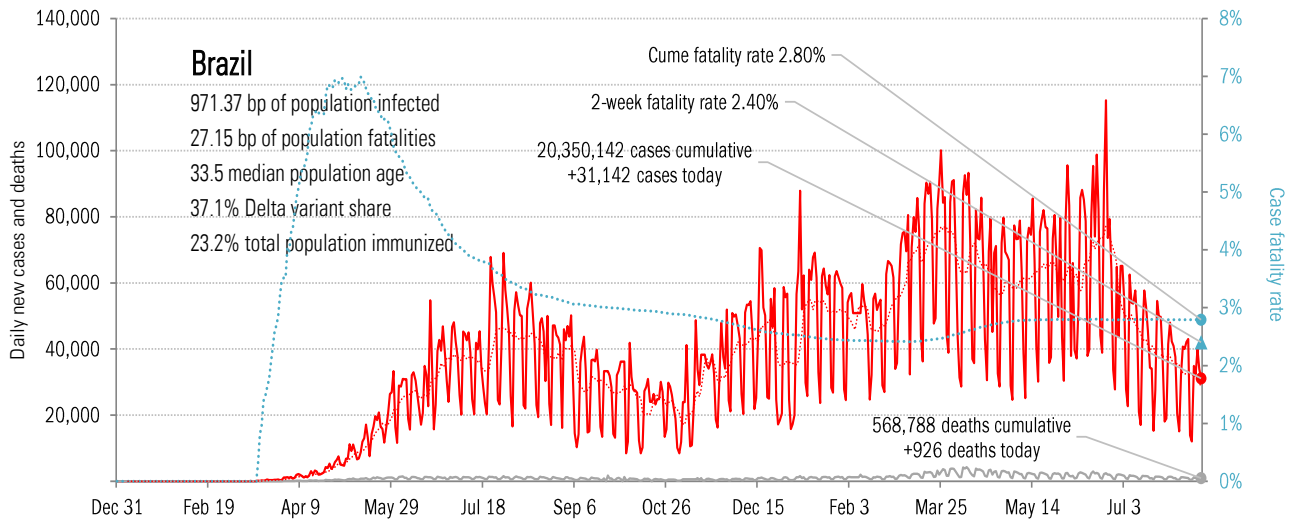
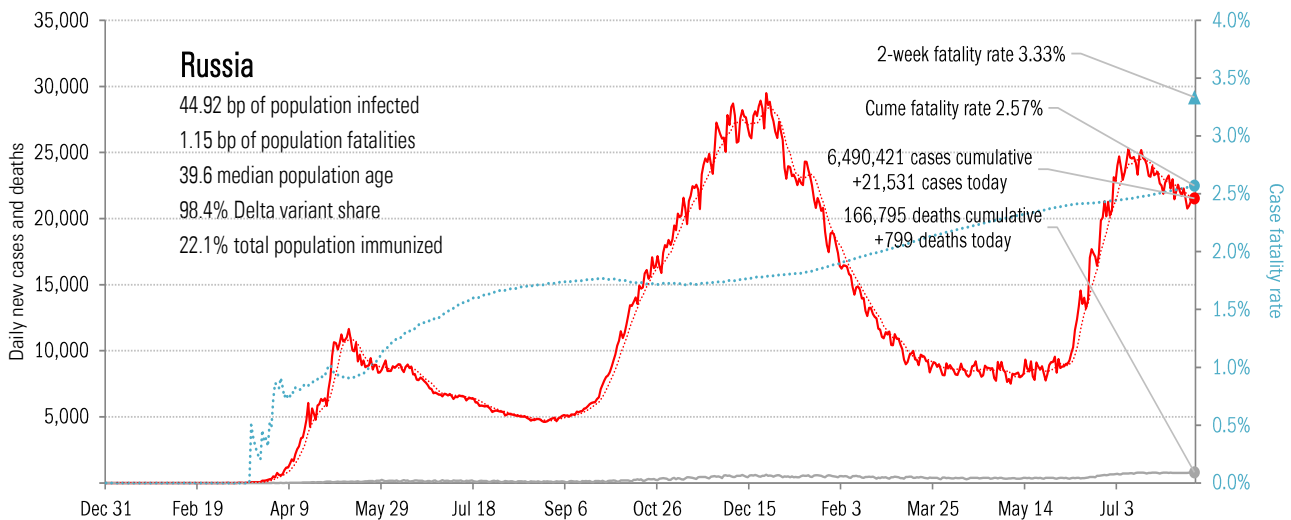
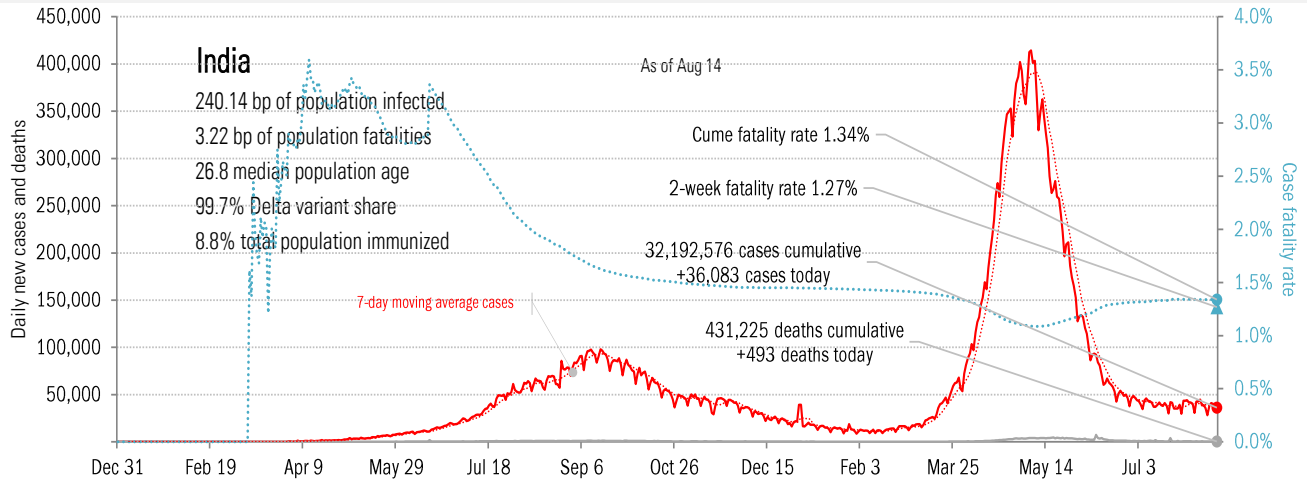
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



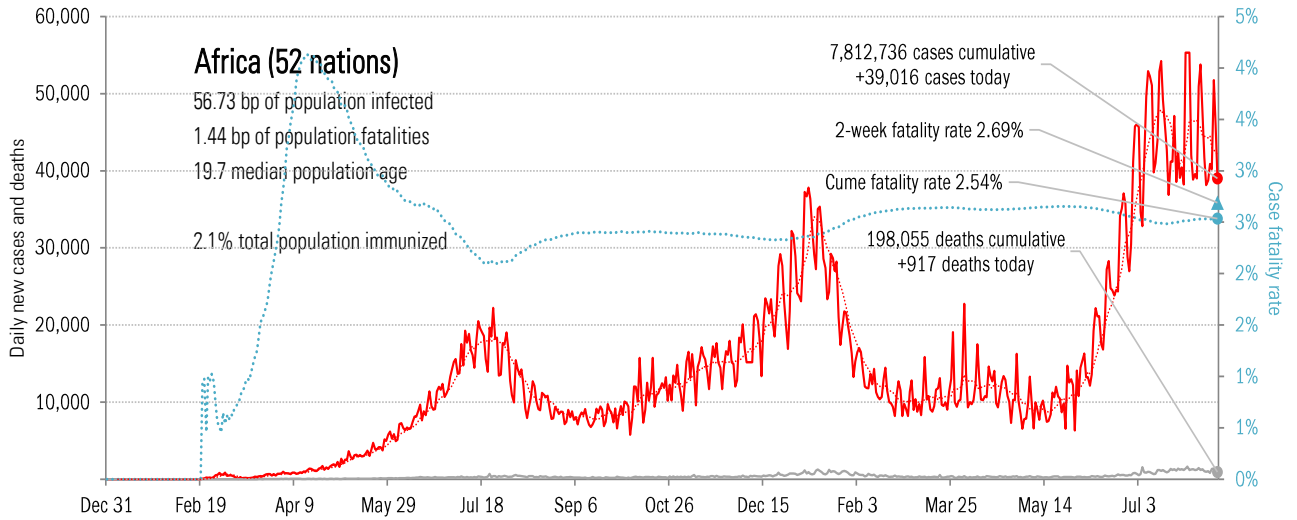
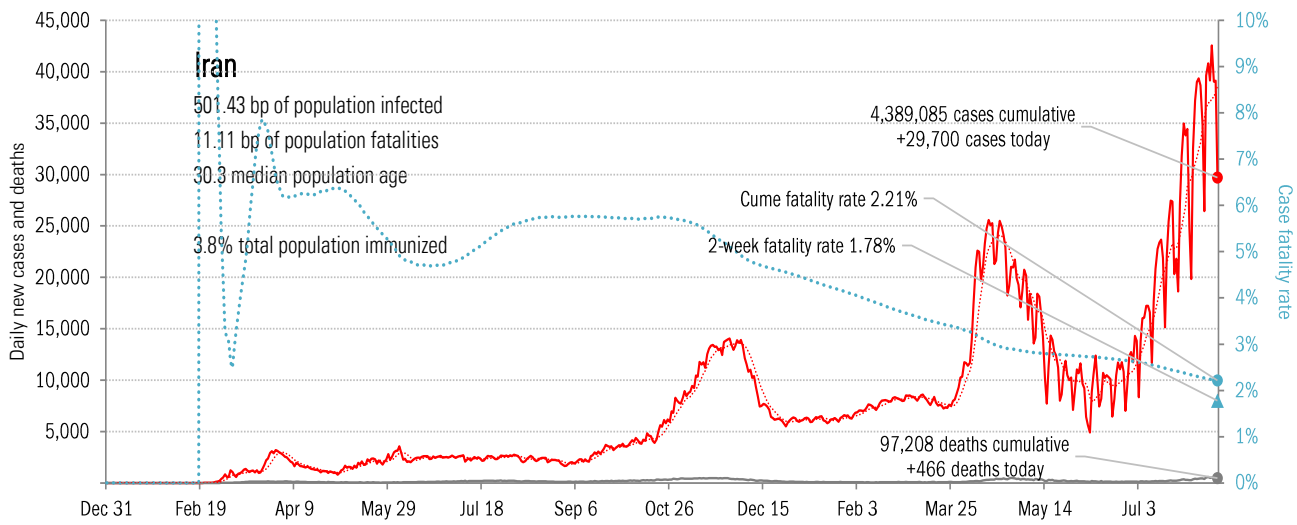
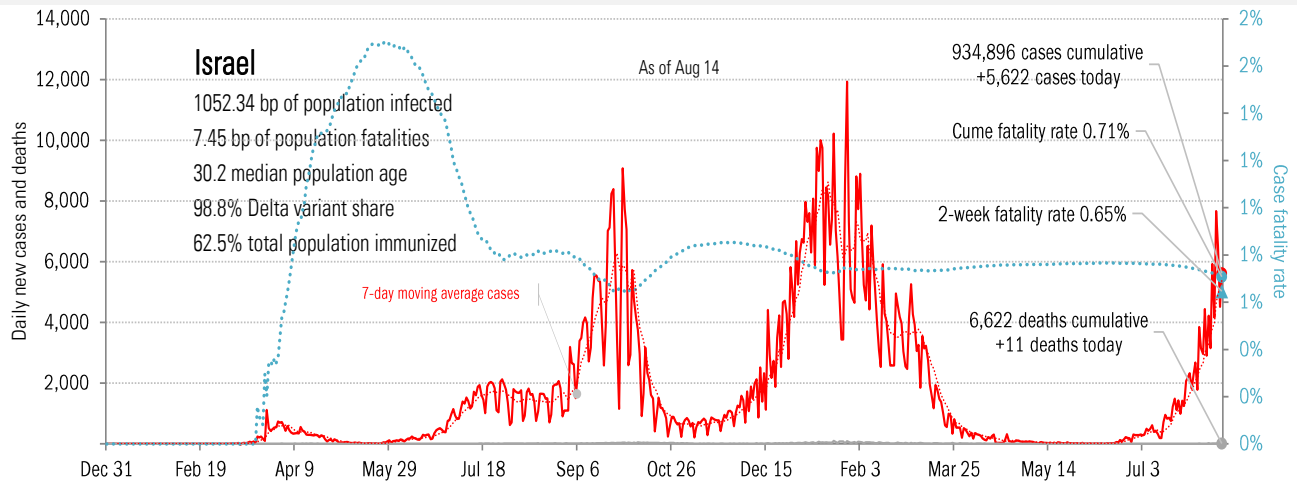
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



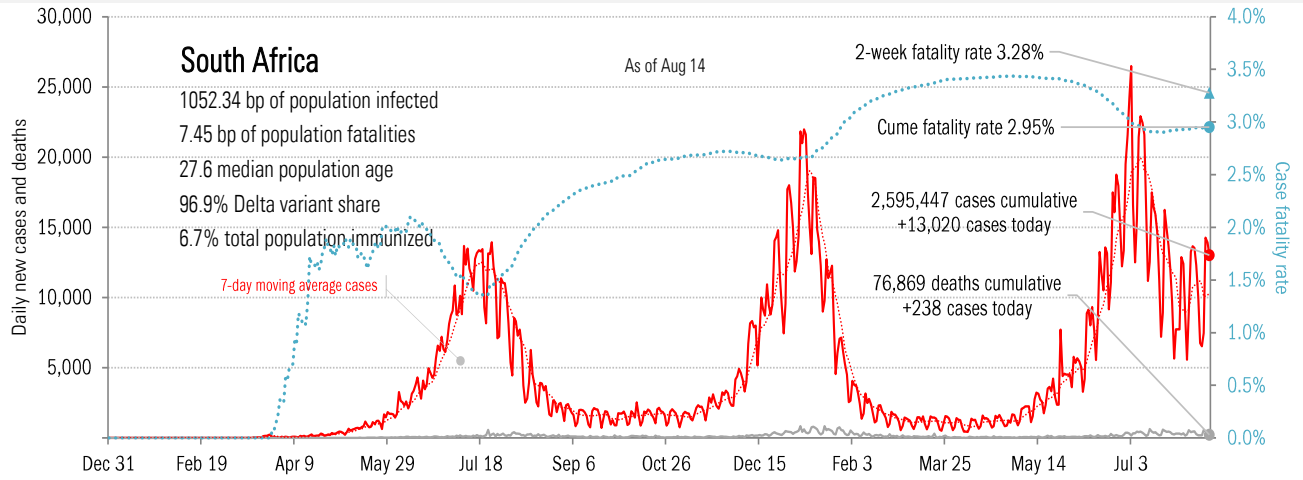
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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