

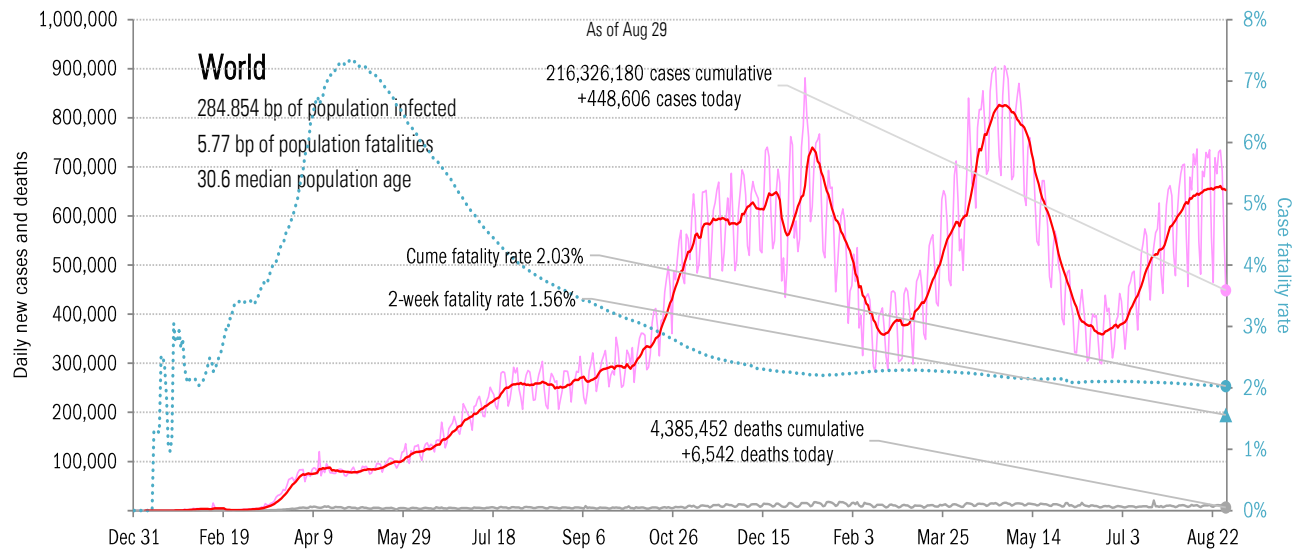
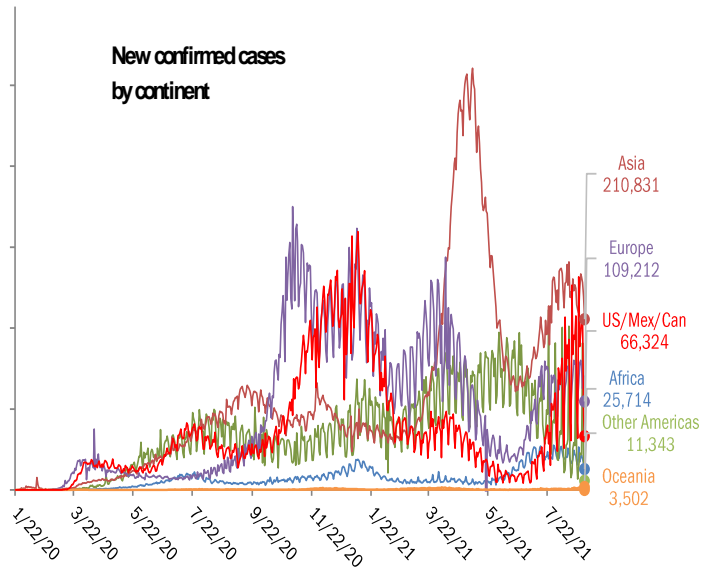
## Data Insights: Covid-2019 Monitor

Monday, August 30, 2021

### The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+58,063	Russia	+778
India	+42,909	Iran	+581
United Kingdom	+32,992	Indonesia	+551
Iran	+31,516	India	+380
Malaysia	+20,579	Vietnam	+344
Japan	+19,410	Brazil	+298
Russia	+18,798	Malaysia	+285
Philippines	+18,323	United States	+277
Thailand	+16,536	Thailand	+264
France	+13,630	Mexico	+259
<b>+272,756</b>		<b>+4,017</b>	
World	+448,606	World	+6,542
Top ten	61%	Top ten	61%



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

Cases: 7-day average and daily Deaths: Daily

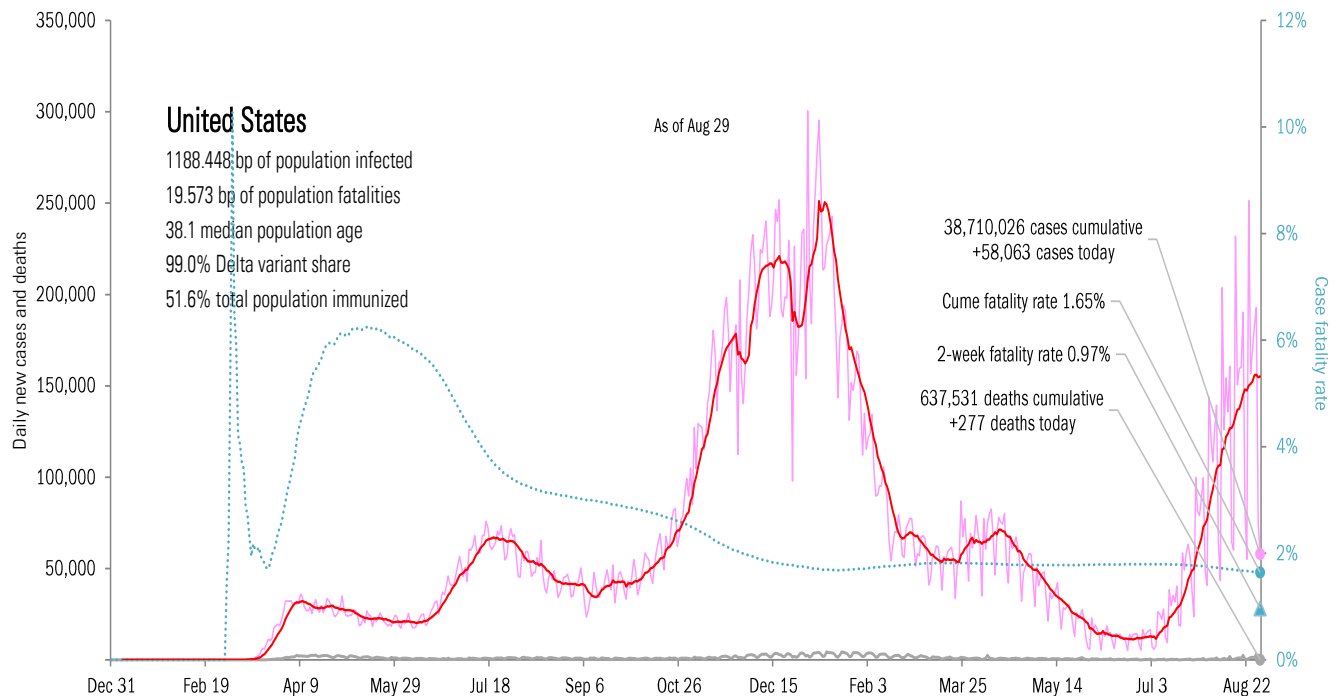
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use		
FL	+21,680		FL	+337		GA	+225		CA	4,326,204		CA	65,757		TX	317,075		GA	89%	AL	104%	
CA	+7,651		TX	+108		CH	+71		TX	3,570,135		TX	56,685		CA	276,859		RI	87%	GA	97%	
NY	+6,145		CA	+67		AZ	+47		FL	3,136,529		NY	54,199		FL	273,840		MA	84%	FL	93%	
CH	+3,963		NY	+40		IL	+46		NY	2,269,038		FL	43,412		NY	146,212		MD	84%	TX	93%	
TX	+3,586		AR	+25		KY	+46		IL	1,508,005		PA	28,209		GA	134,385		FL	84%	MS	91%	
AL	+3,433		MD	+12		WV	+46		GA	1,369,926		NJ	26,849		PA	97,760		MO	83%	AR	91%	
PA	+2,440		FR	+6		IN	+43		PA	1,293,764		IL	26,322		CH	96,747		SC	81%	LA	89%	
NJ	+1,850		MO	+5		PA	+39		CH	1,211,895		GA	22,553		KY	93,027		PA	81%	MO	89%	
H	+1,678		NJ	+5		VA	+34		NC	1,189,296		MI	21,520		IL	92,155		CT	81%	AK	88%	
WV	+1,226		PA	+4		ID	+33		NJ	1,088,330		CH	20,799		MI	77,667		NV	80%	NC	87%	
+53,652			+609			+630			20,963,122			366,305			1,605,727							
All states	+58,063		+614			+699			All states	38,710,026		637,531			2,840,774			All states	70%		67%	
Top ten	92%		99%			90%			Top ten	54%		58%			57%			Median	75%		78%	

Some states not reporting

## Five most improved US states

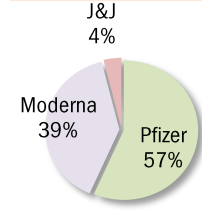
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-5,626	TX	-124	TX	-195	AR	+30 bp
AZ	-3,893	AL	-63	CA	-112	AL	+20 bp
AL	-2,757	AZ	-55	AL	-81	FL	+20 bp
CA	-1,765	PA	-21	KY	-75	KS	+20 bp
AR	-1,379	NJ	-13	SC	-60	LA	+20 bp



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	379,207,676		+0.985 million		US	51.6%	60.8%	
	One dose	% Pop	Immune	% pop	New immune today	UK	62.5%	70.4%
Total population	209,383,999	63%	177,960,332	53%	+0.427 million	France	57.7%	71.0%
Age 12 to 17	12,384,279	52%	9,369,055	39%	+0.079 million	Spain	69.4%	77.5%
Age 18 to 64	144,038,044	71%	121,530,315	60%	+0.303 million	Germany	59.6%	64.3%
Age 65 and over	51,945,274	95%	46,230,486	85%	+0.043 million	Italy	60.1%	70.1%
						Australia	27.1%	46.3%
						Israel	62.3%	67.8%
						Canada	66.4%	73.1%
						Japan	45.0%	56.1%
						Africa	2.6%	4.7%
						India	10.4%	35.0%
						Brazil	28.0%	62.5%
						China	61.6%	77.2%



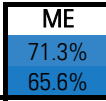
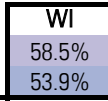
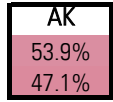
State
At least partial immunity as % population
Full immunity as % population



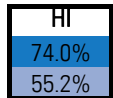
Every American >18 immune in **111 days** by Dec 18, 2021  
 65.0% of population >18 immunized  
 13.2% previously tested positive  
**78.1%** vs 60% adult herd immunity

As of Aug 29

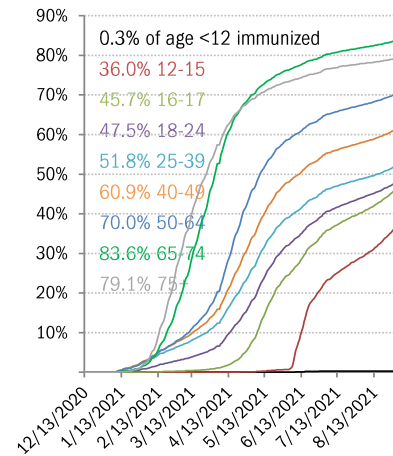
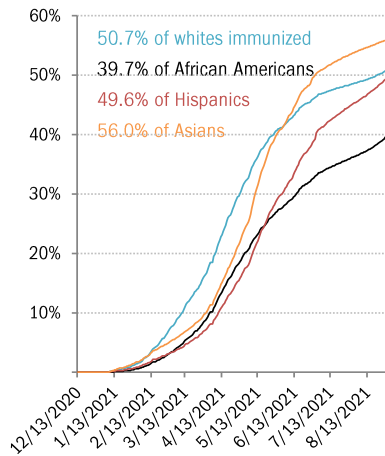
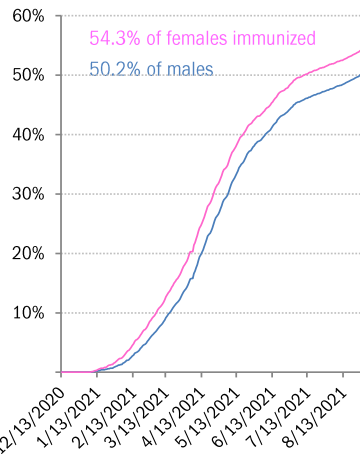
Global data differs from sources, timing



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
67.6%	44.1%	52.1%	48.2%	61.7%	65.7%	55.2%	67.2%	76.0%	67.0%	
60.0%	39.1%	45.9%	41.7%	55.8%	51.0%	50.4%	59.9%	67.8%	59.6%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
63.8%	57.8%	44.9%	56.1%	56.1%	50.0%	52.4%	69.2%	69.7%	75.2%	
57.9%	47.6%	38.4%	49.1%	51.5%	46.2%	48.3%	55.0%	61.3%	65.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
68.7%	56.2%	63.2%	57.4%	52.6%	56.8%	47.0%	65.1%	68.0%	73.4%	71.4%
55.7%	47.5%	56.8%	51.9%	45.0%	48.3%	39.6%	57.0%	61.3%	65.8%	64.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	56.5%	69.7%	57.2%	53.1%	49.1%	55.5%	51.4%	67.3%	63.9%	
	47.7%	59.9%	48.1%	41.3%	41.5%	46.2%	43.1%	57.2%	55.1%	
			OK	LA	MS	AL	GA			
			53.1%	49.5%	46.3%	49.5%	50.8%			
			43.6%	41.4%	37.7%	37.9%	41.2%			
			TX					FL		PR
			56.9%					63.6%		73.8%
			47.2%					52.6%		62.8%



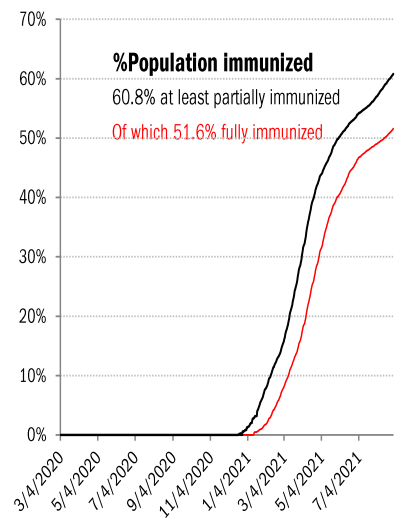
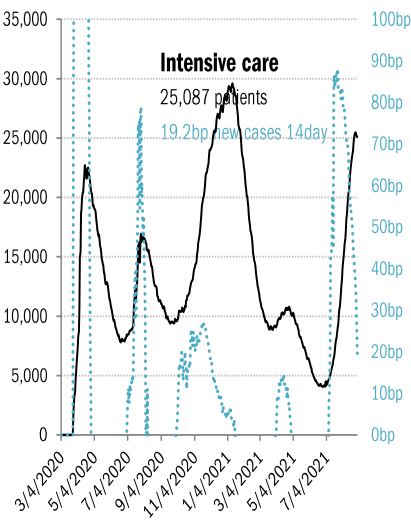
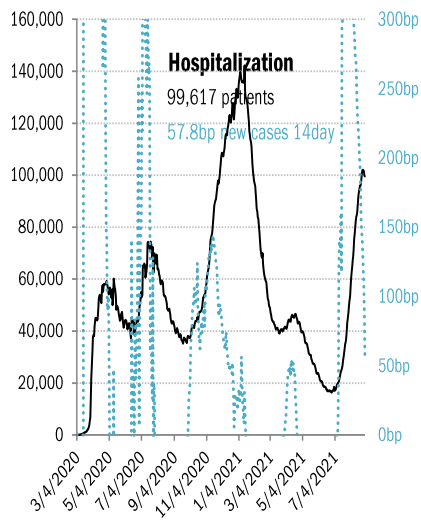
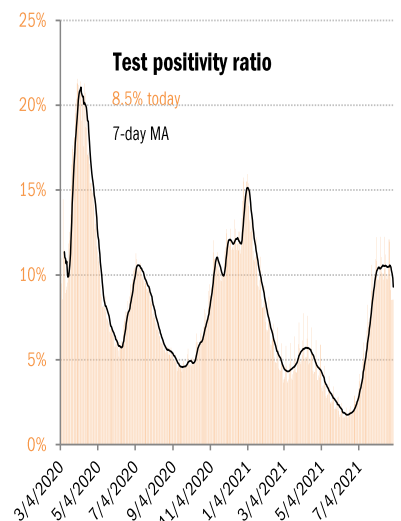
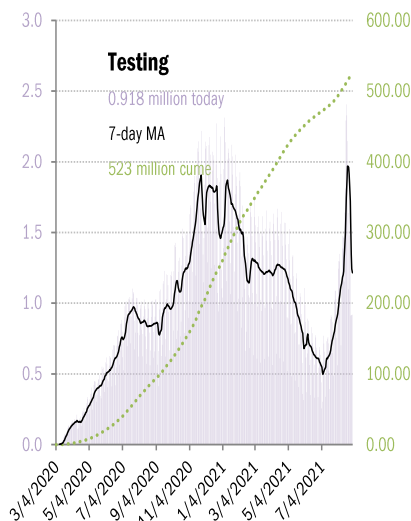
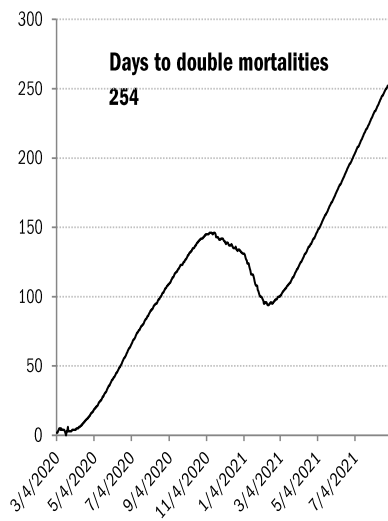
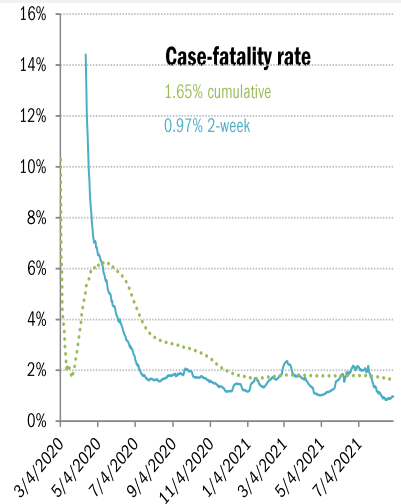
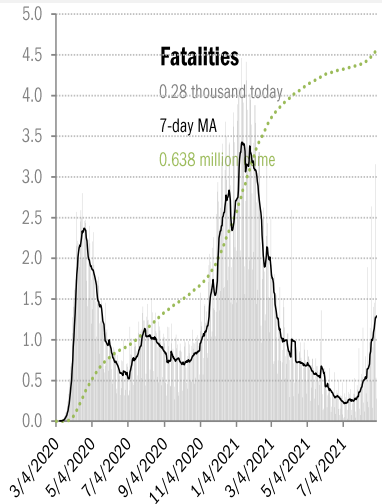
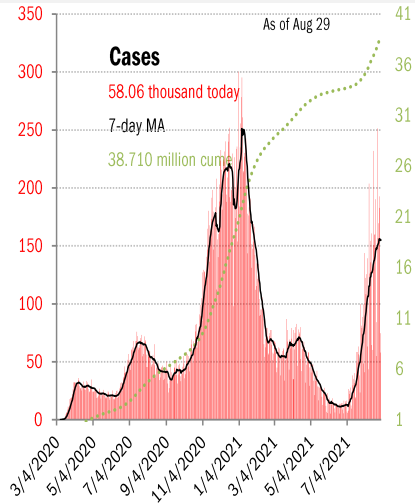
## The demographics of US vaccination



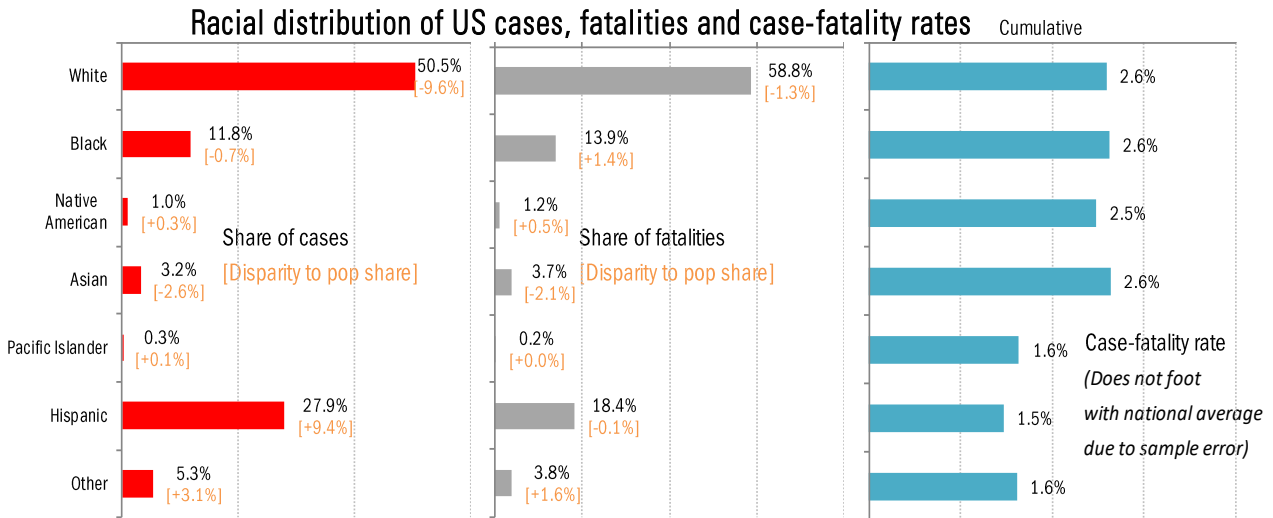
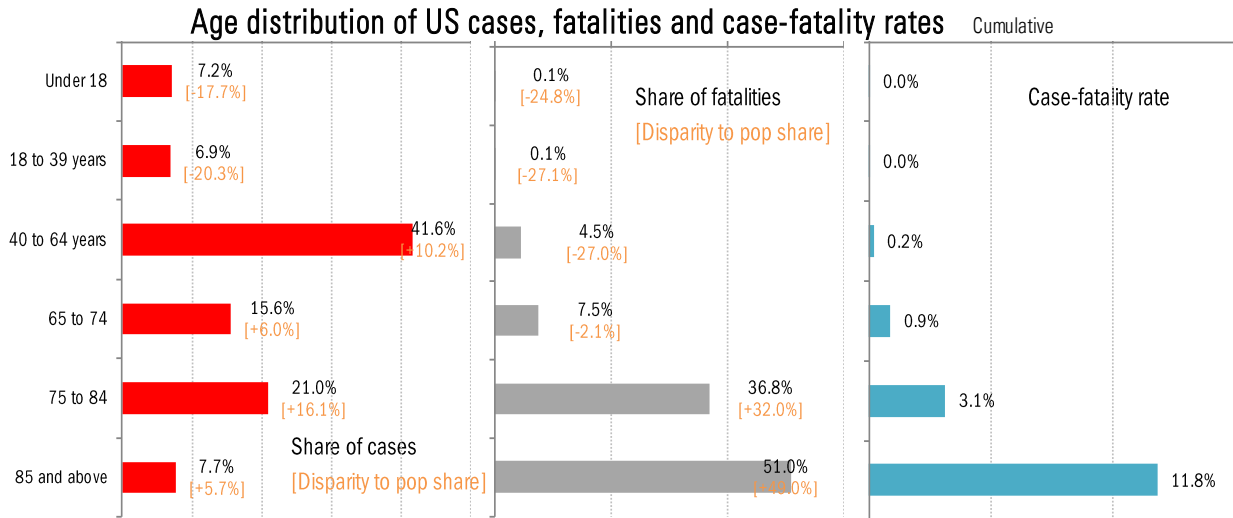
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

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

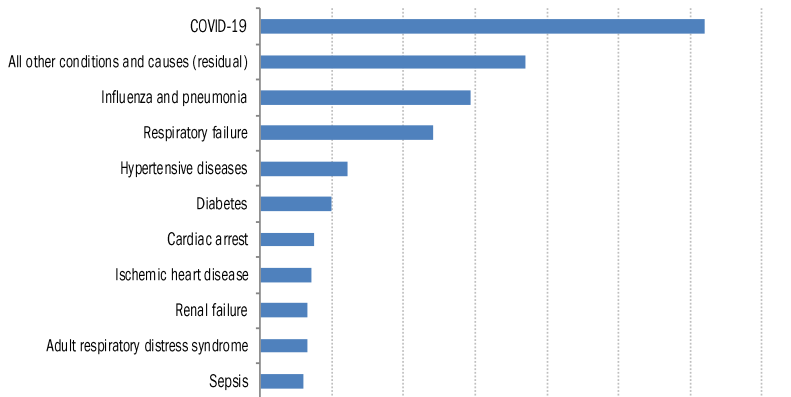


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 22

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

[Why So Many Tennis Players Don't Want the Covid Vaccine](#)

Ben Rothenberg  
*New York Times*  
August 30, 2021

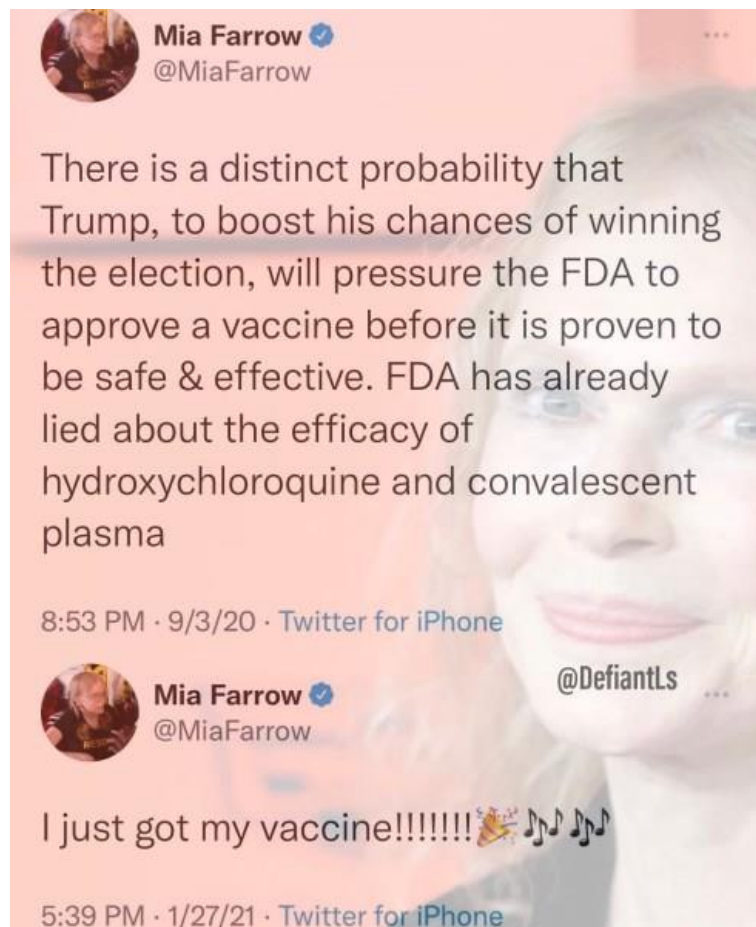
[Someone found this 1976 interview with futurist Arthur C. Clarke and his predictions about the future were so accurate it'll blow your mind](#)

*Not The Bee*  
August 29, 2021

[Children in much of Europe will be going maskless at school this fall.](#)

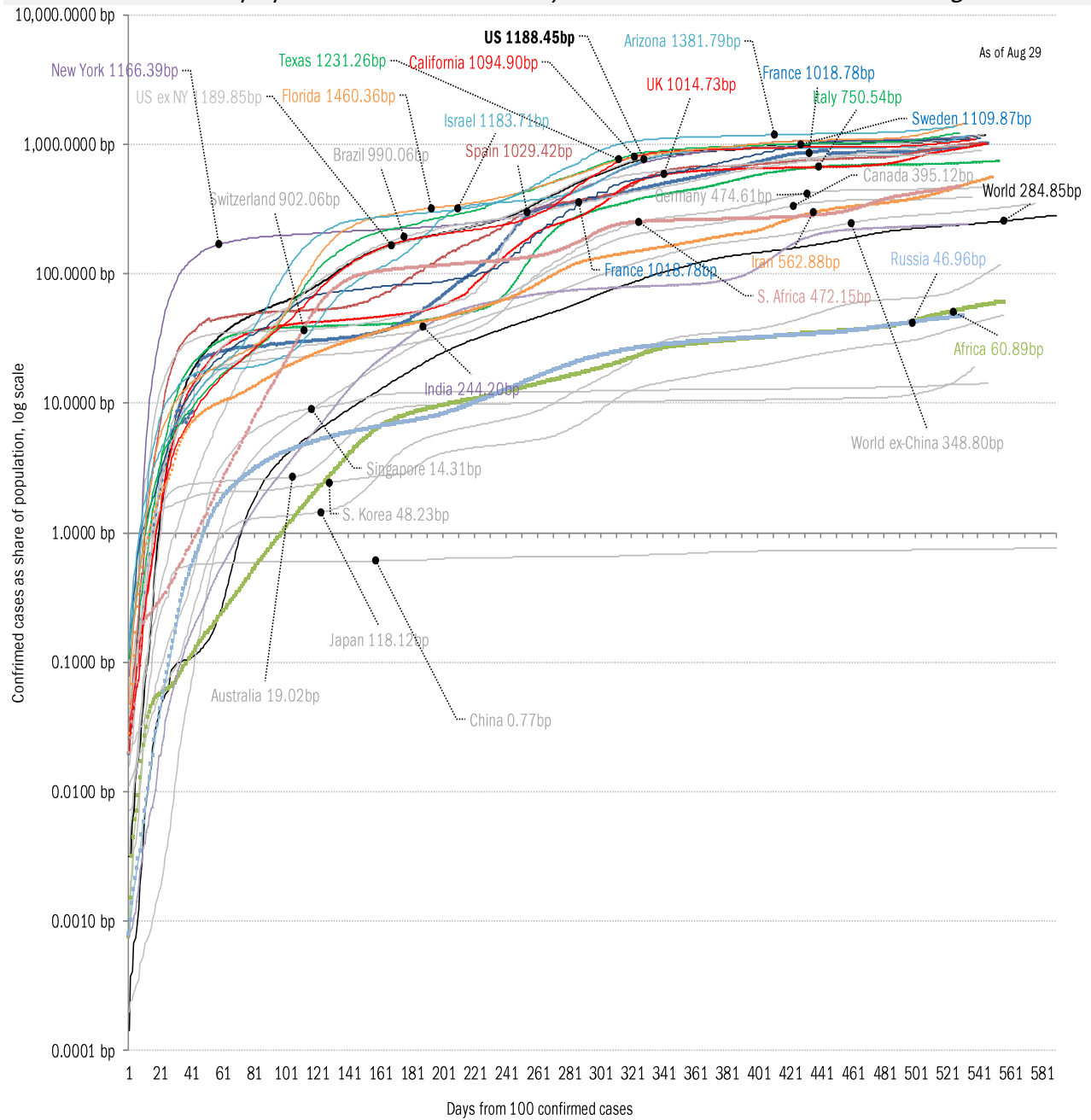
Anthony LaMesa  
*Medium*  
August 17, 2021

## Meme of the day



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

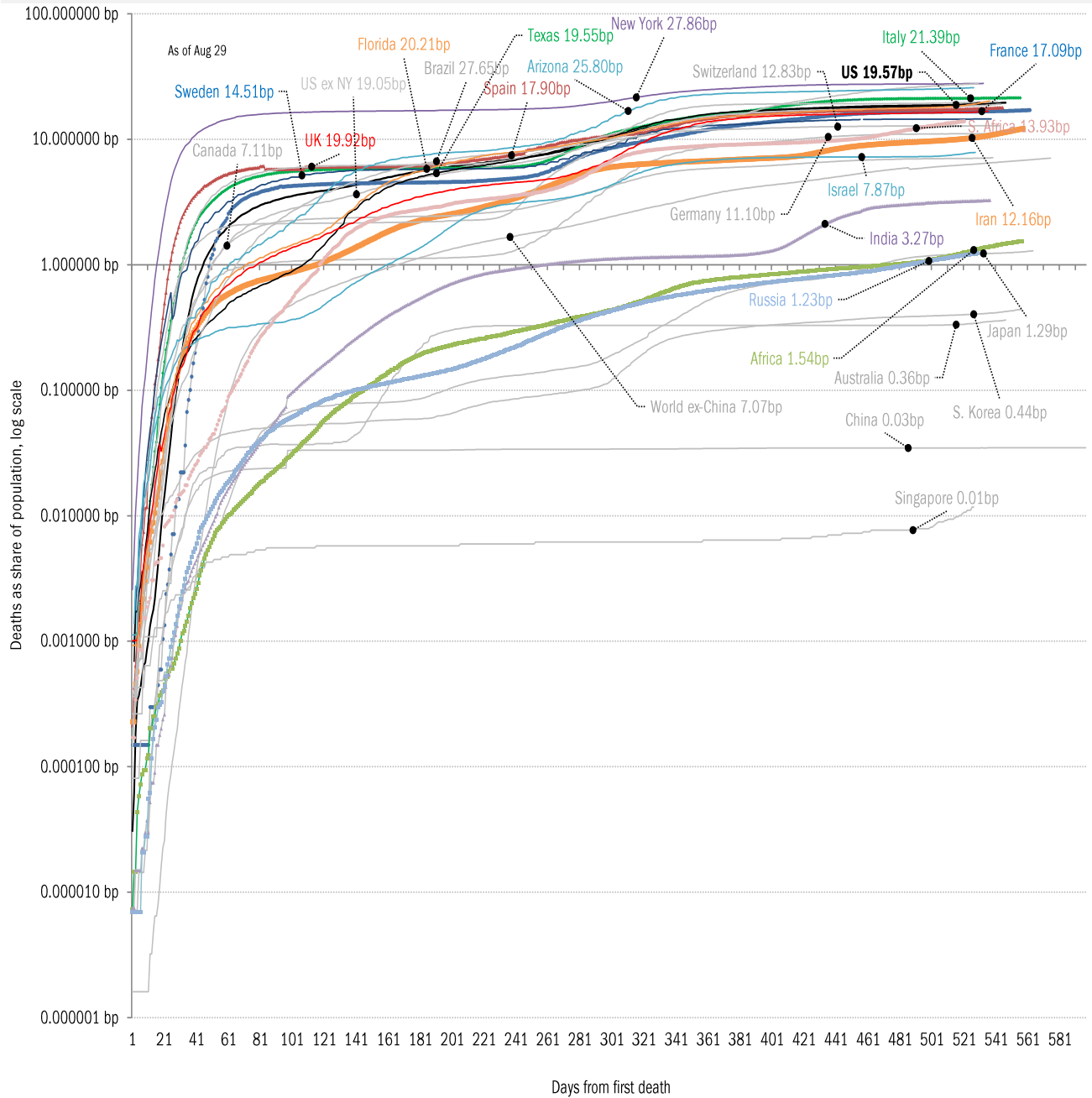
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



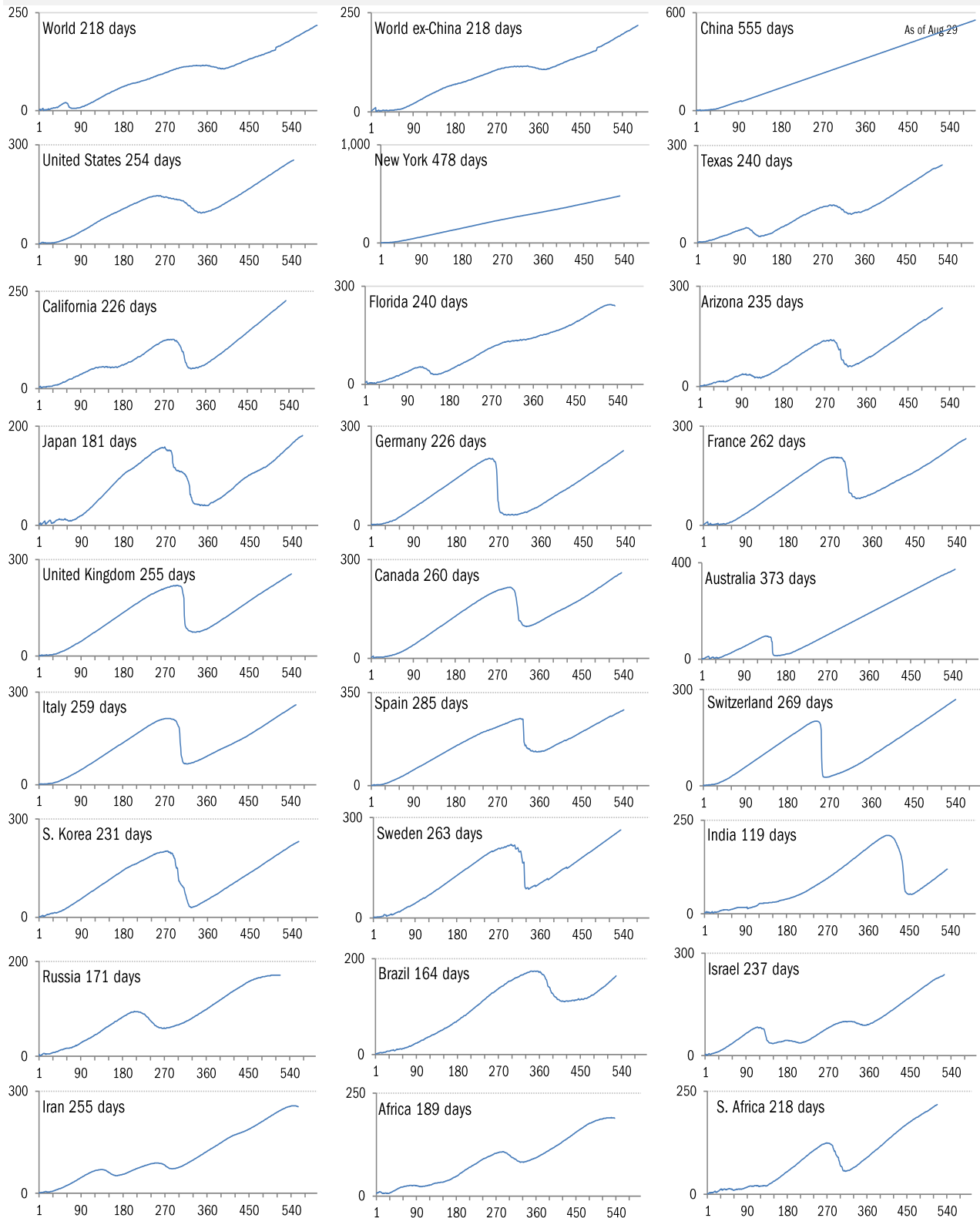
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

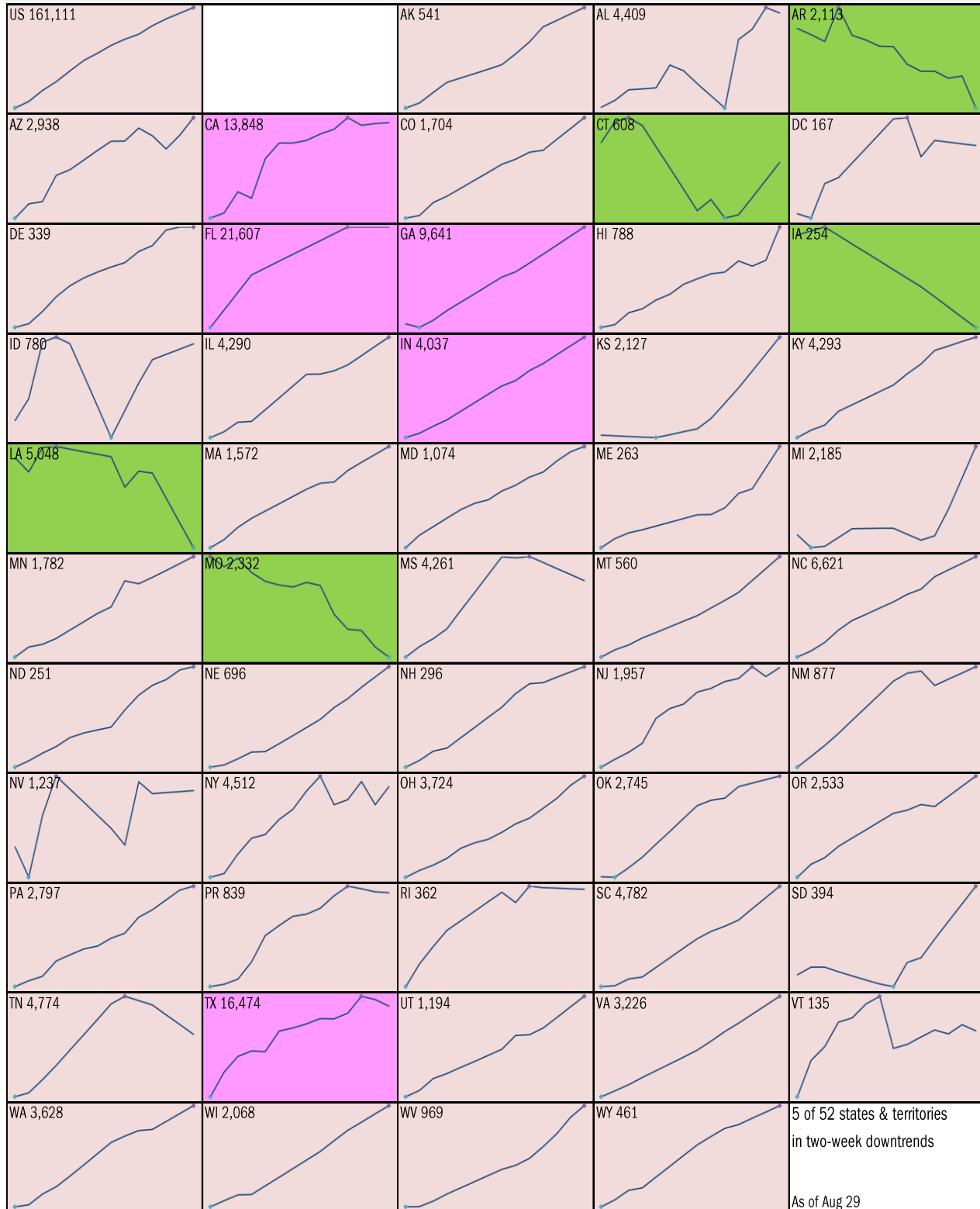


Source: [Johns Hopkins](#), TrendMacro calculations

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

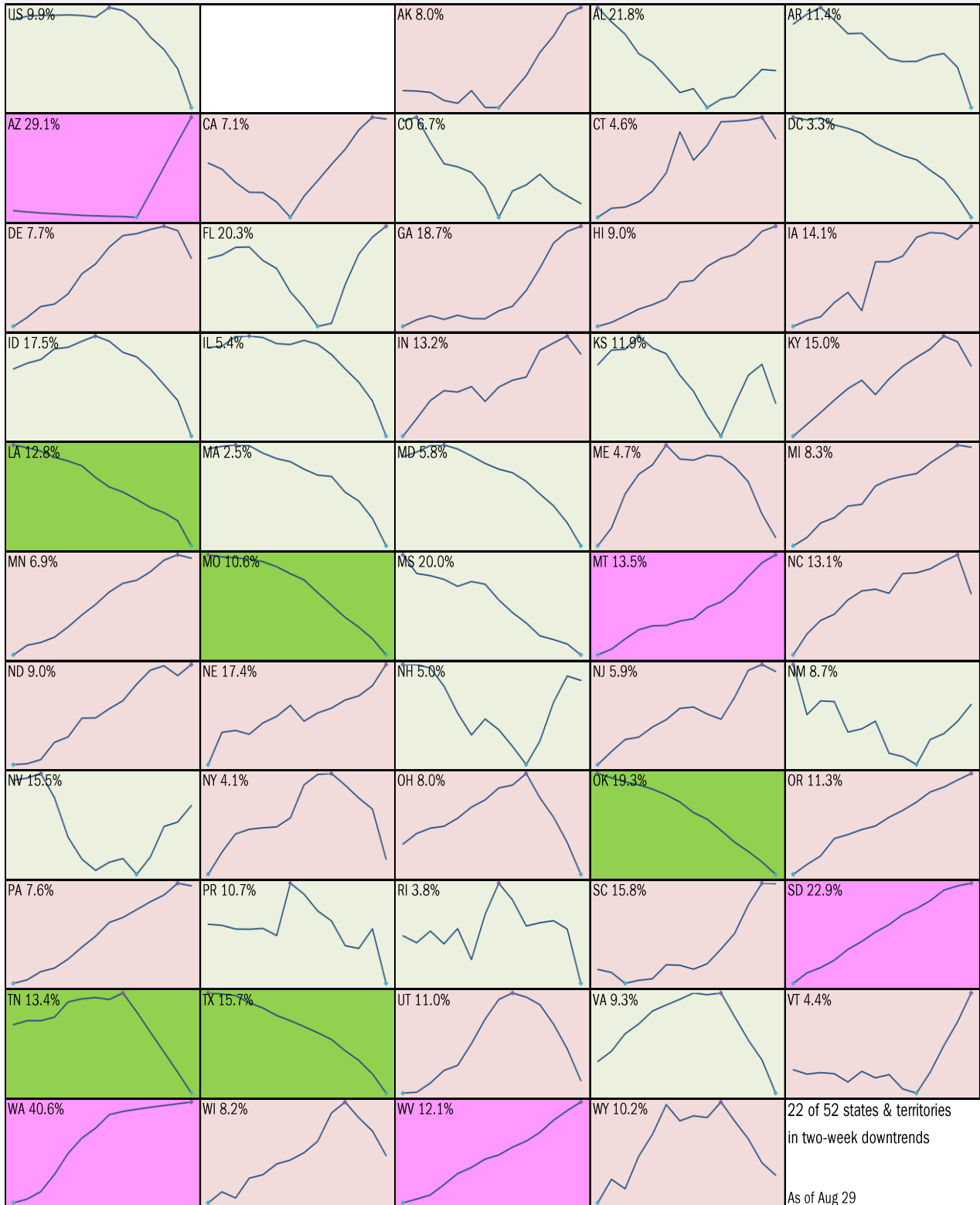


Source: [Johns Hopkins](#), TrendMacro calculations

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

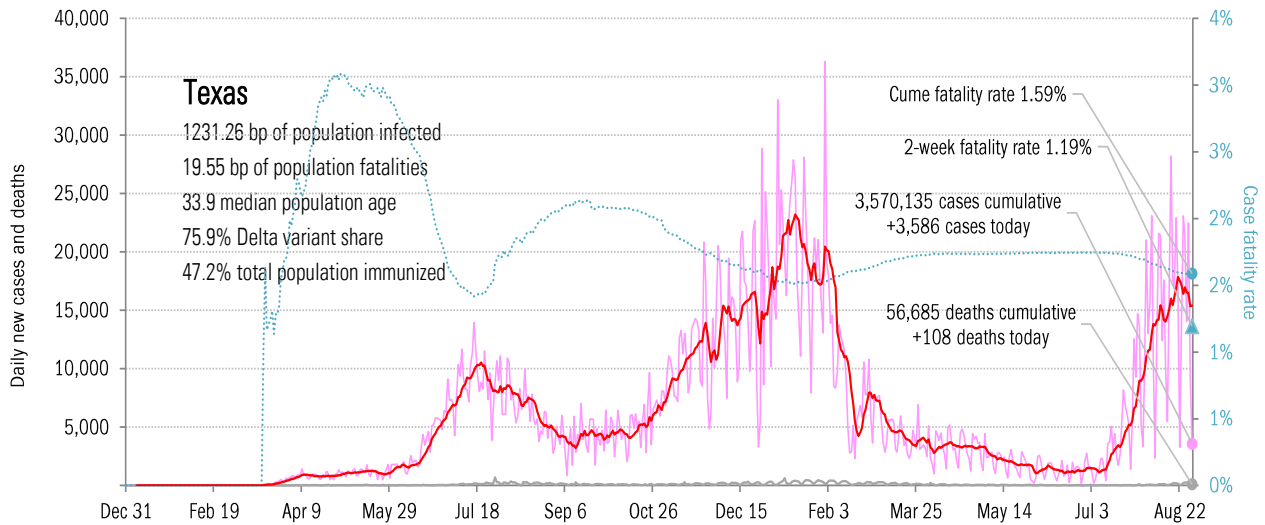
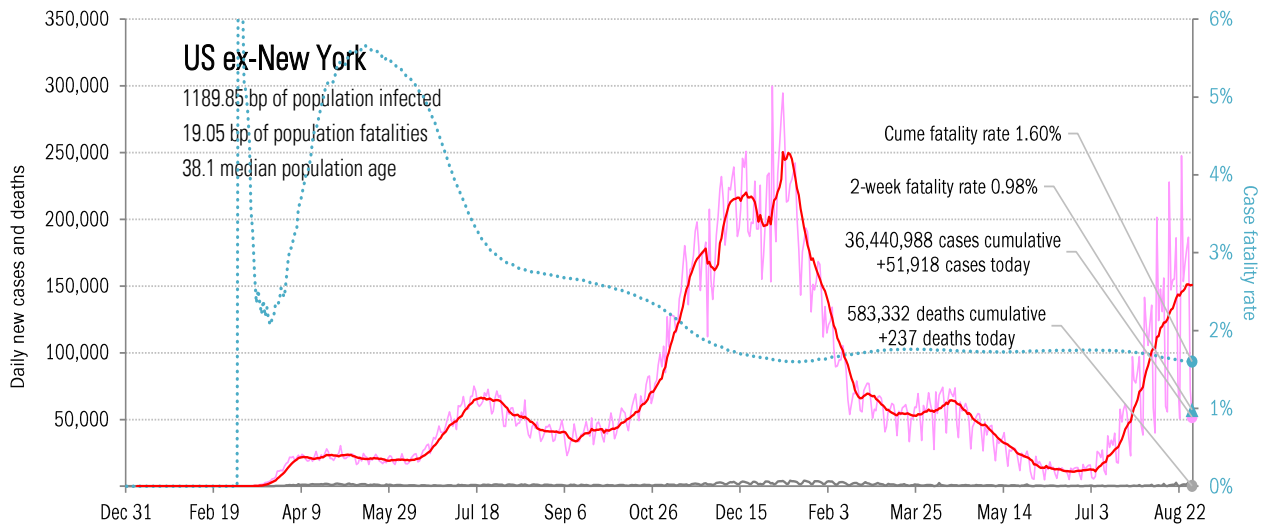
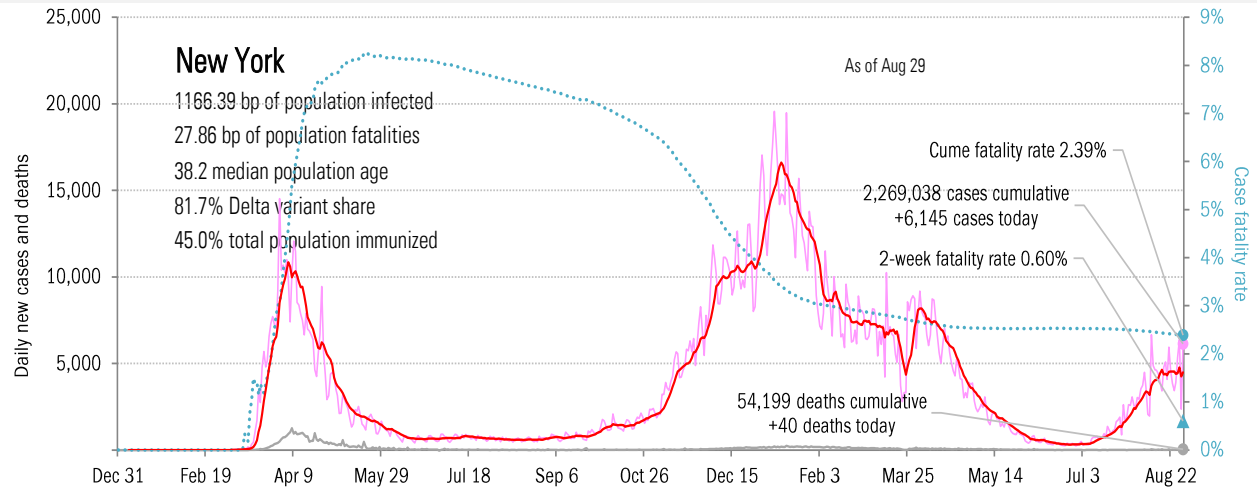
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

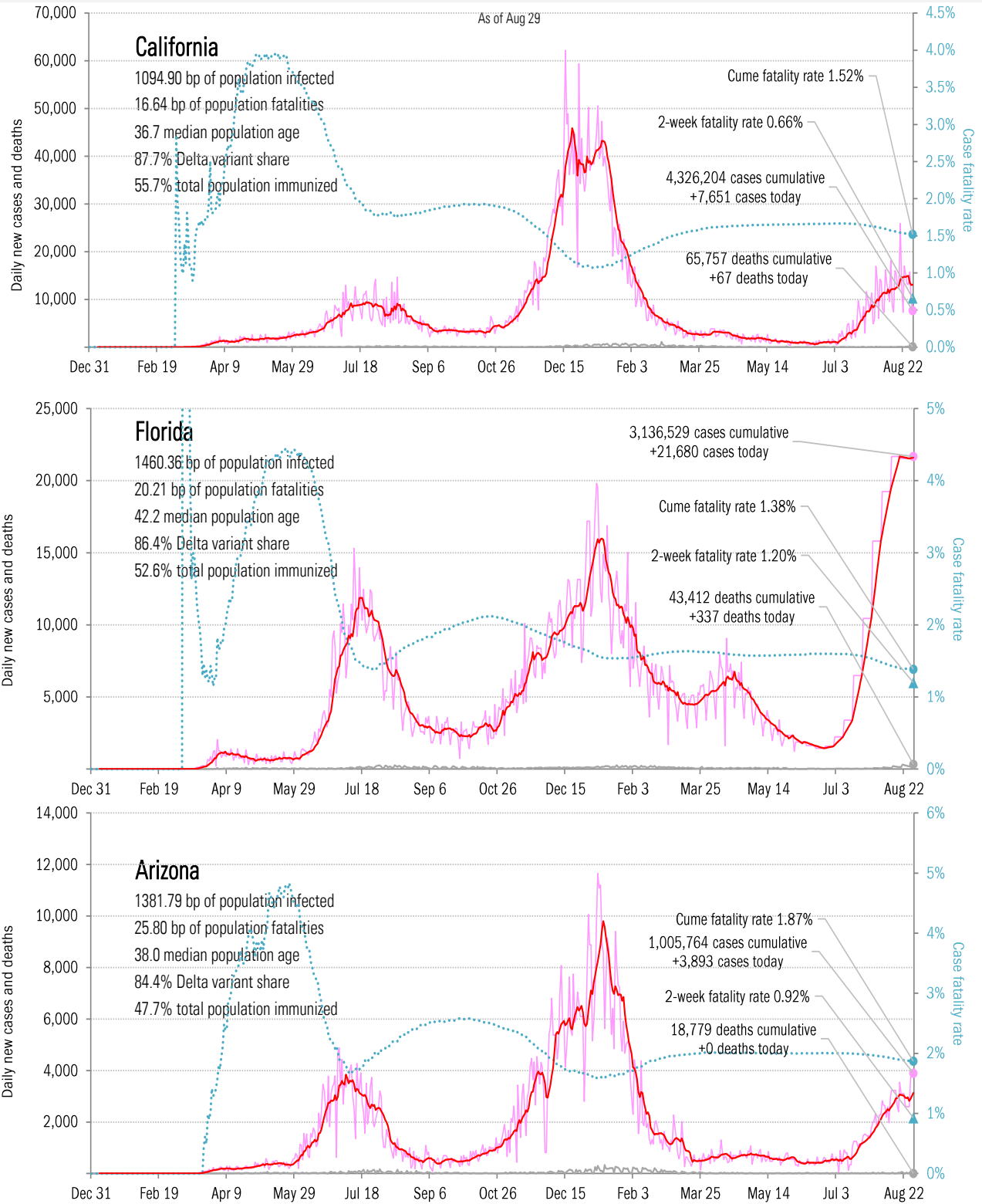
Cases: 7-day average and daily Deaths: Daily



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

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

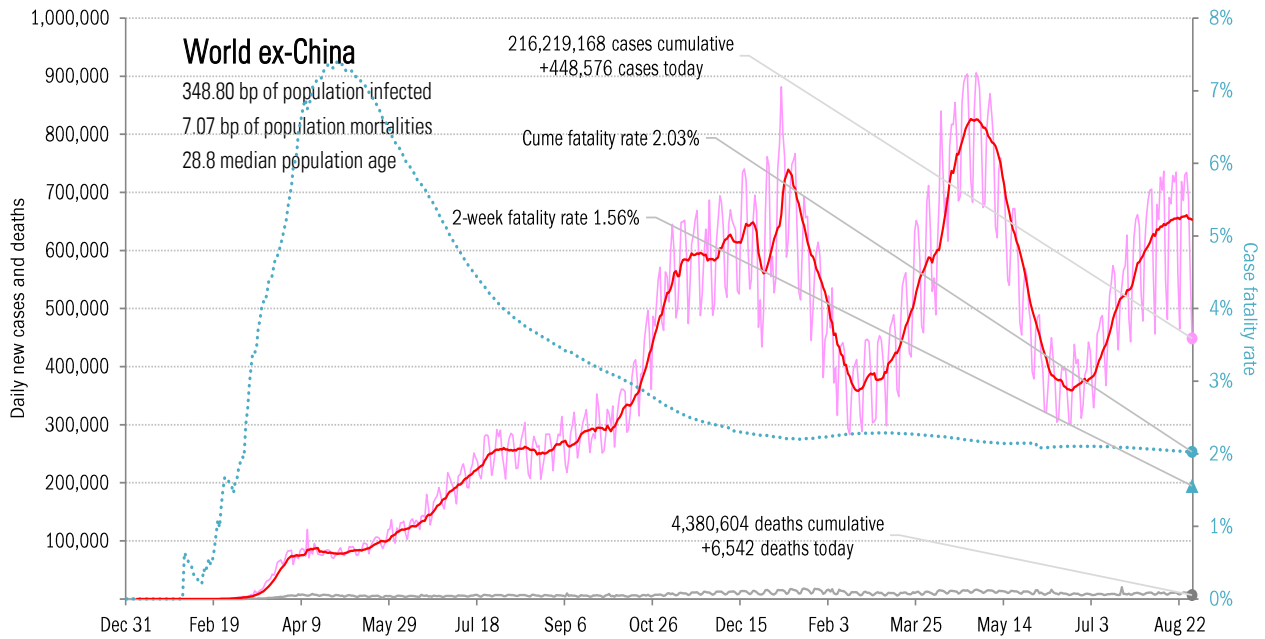
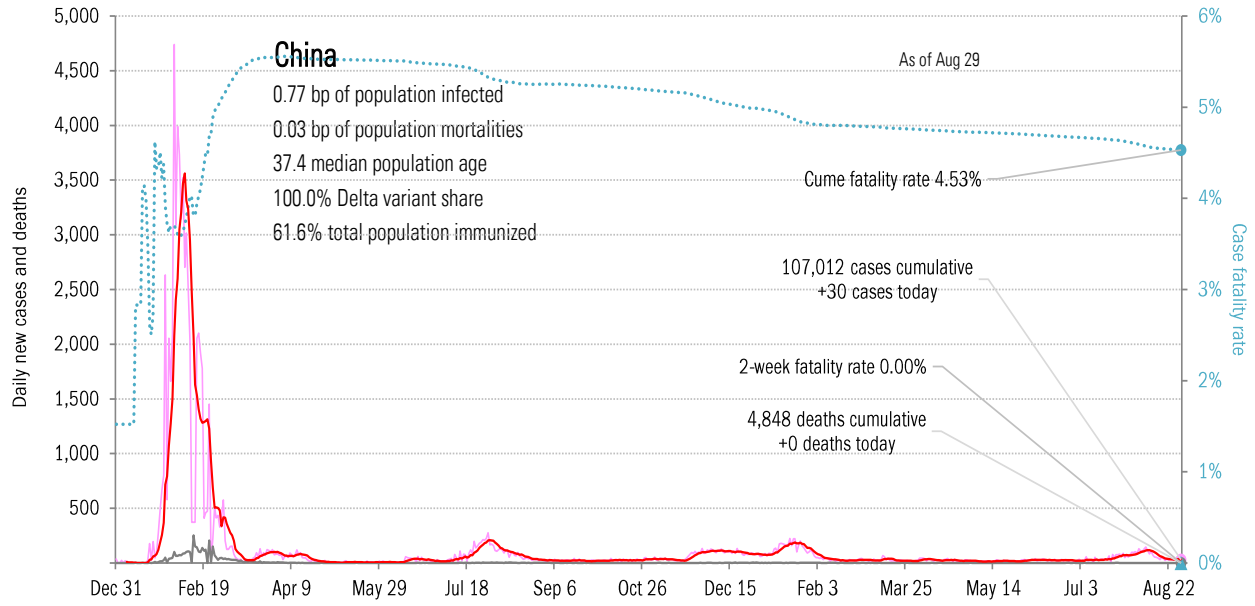
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

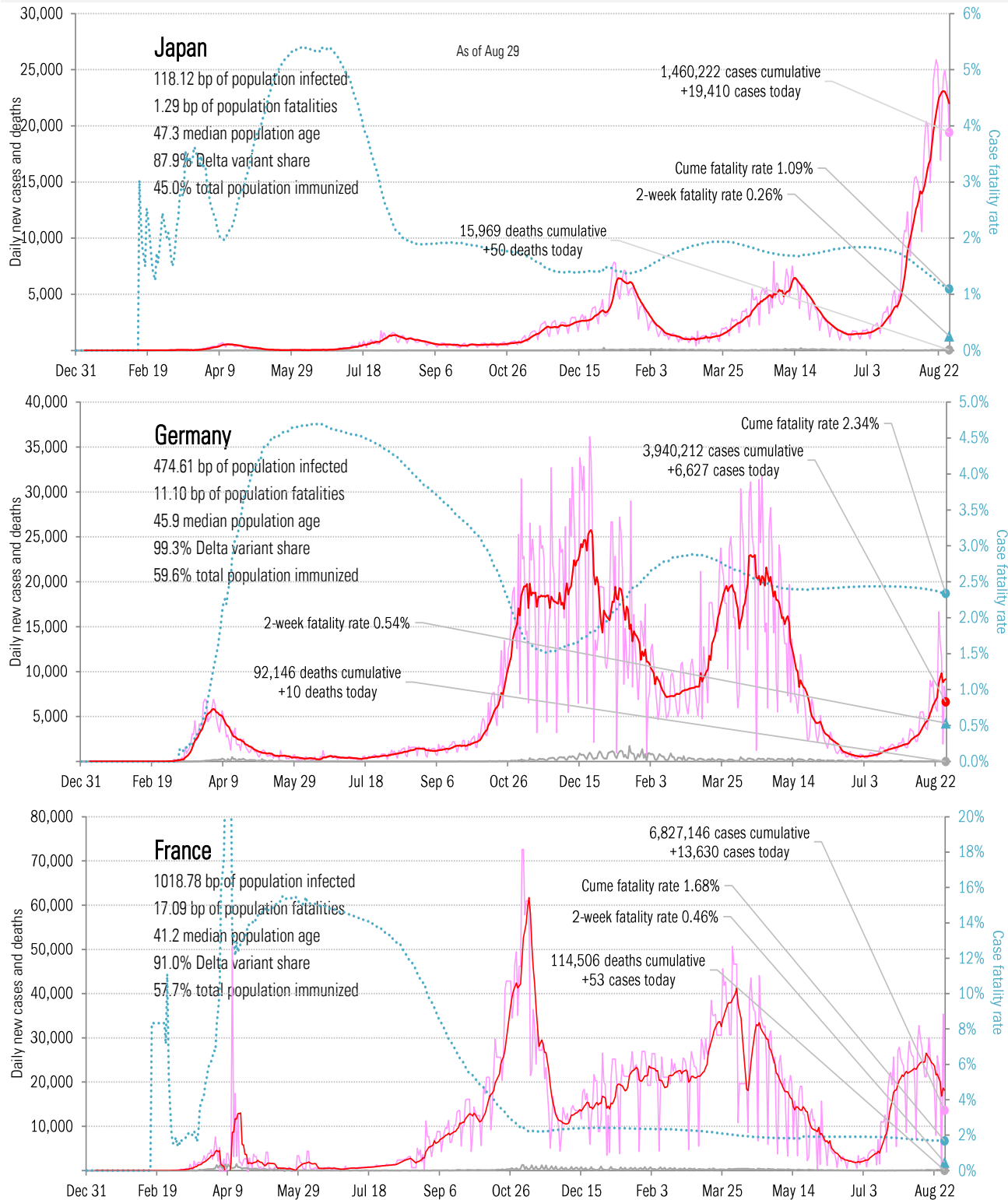
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

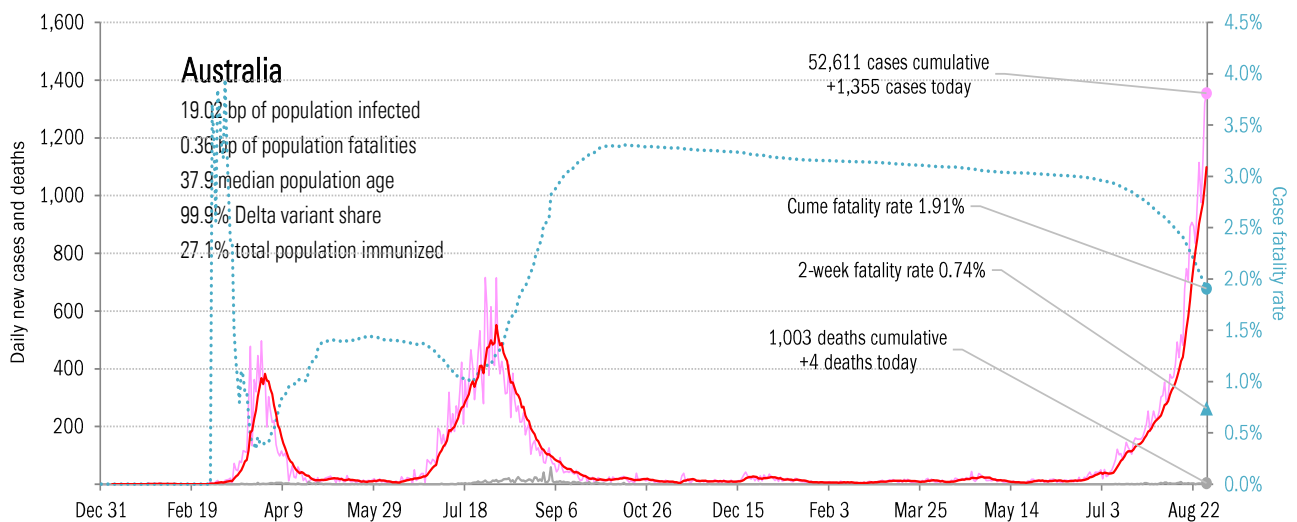
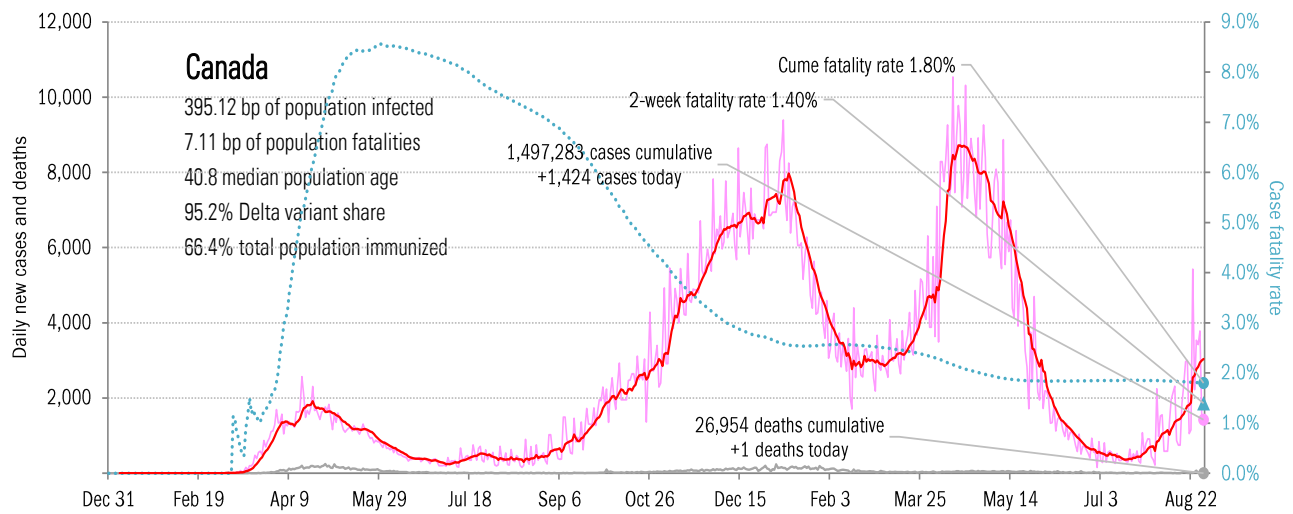
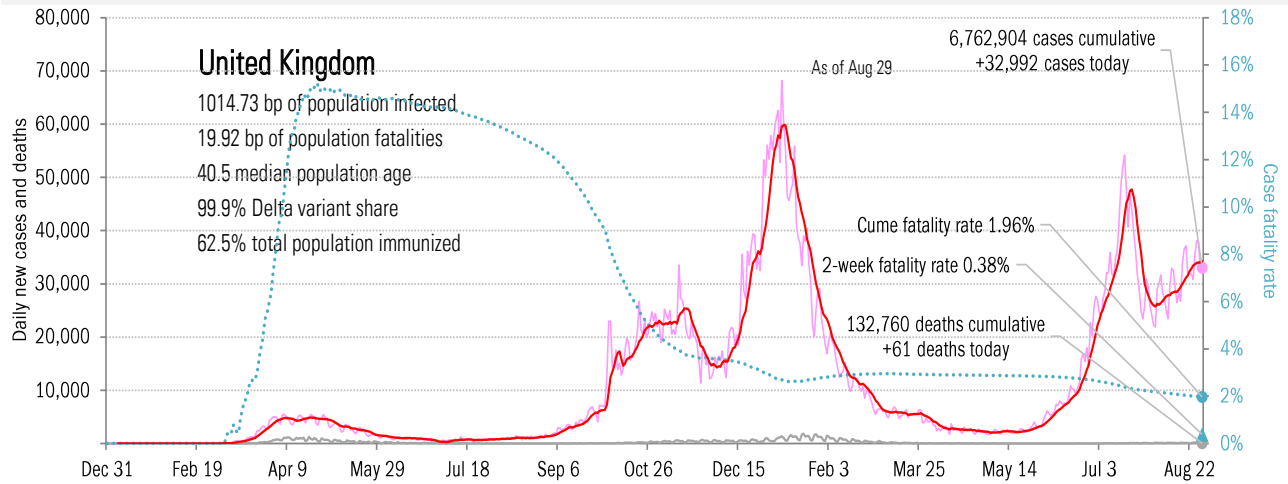
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

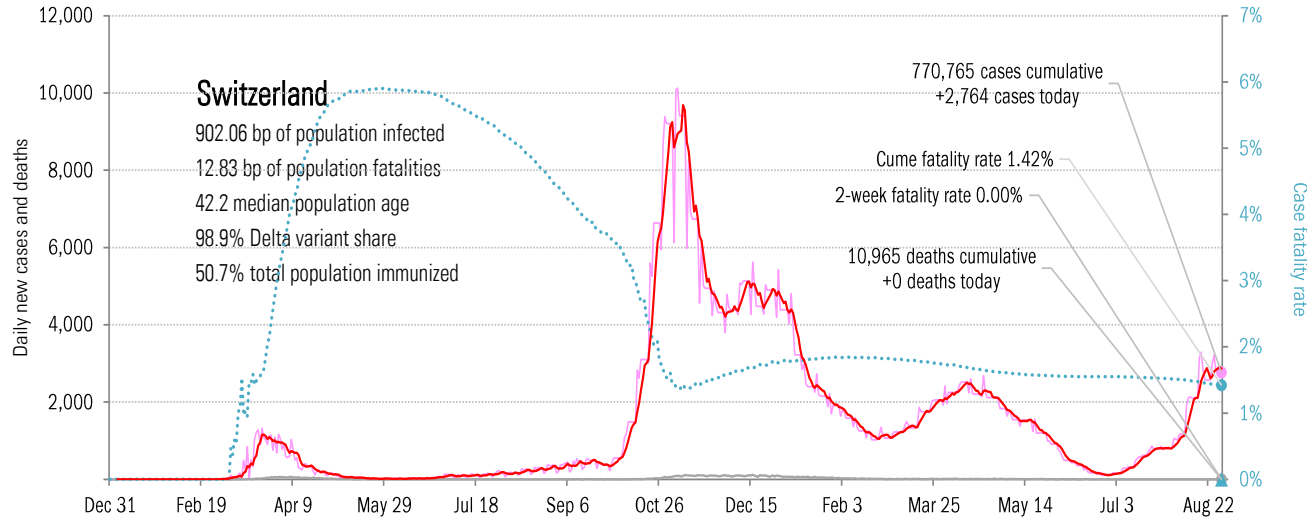
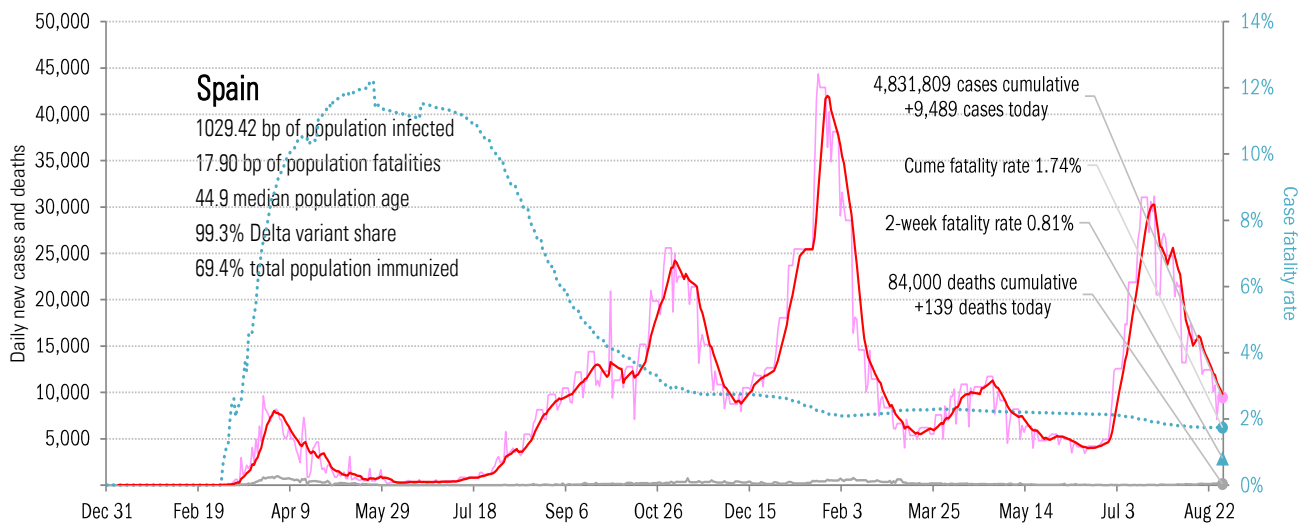
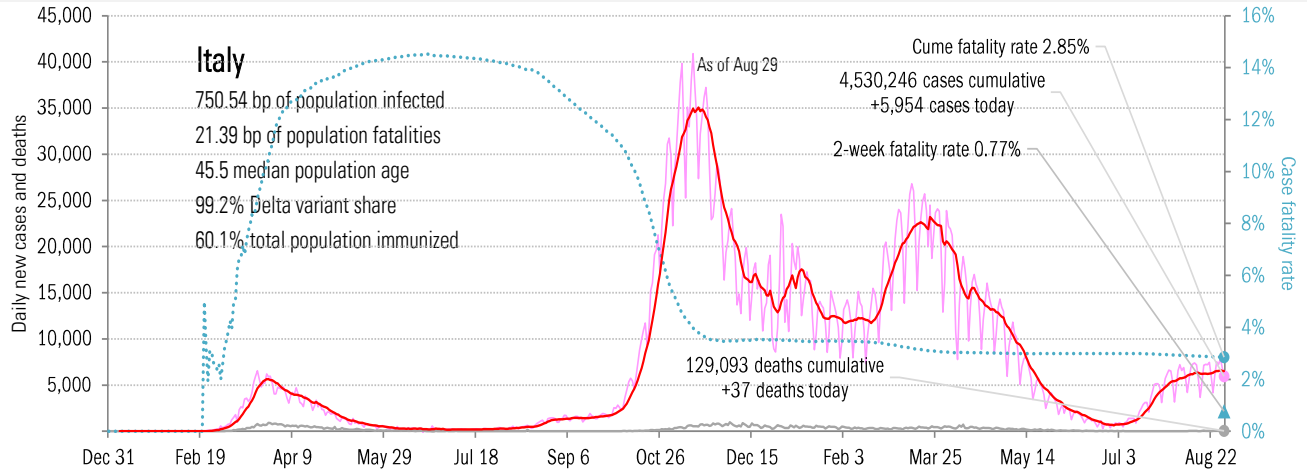


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

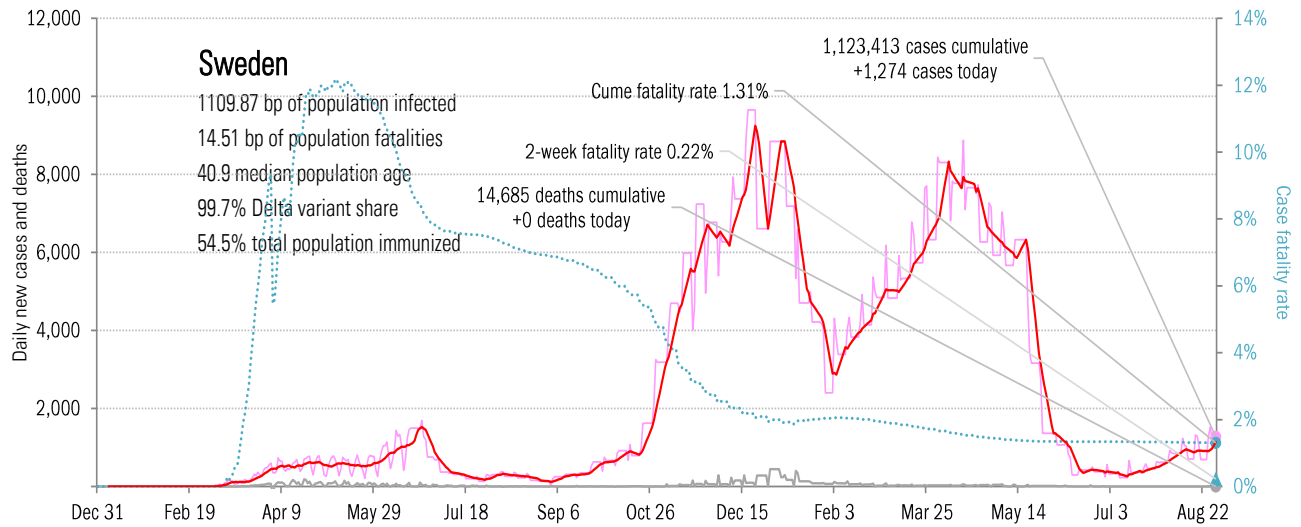
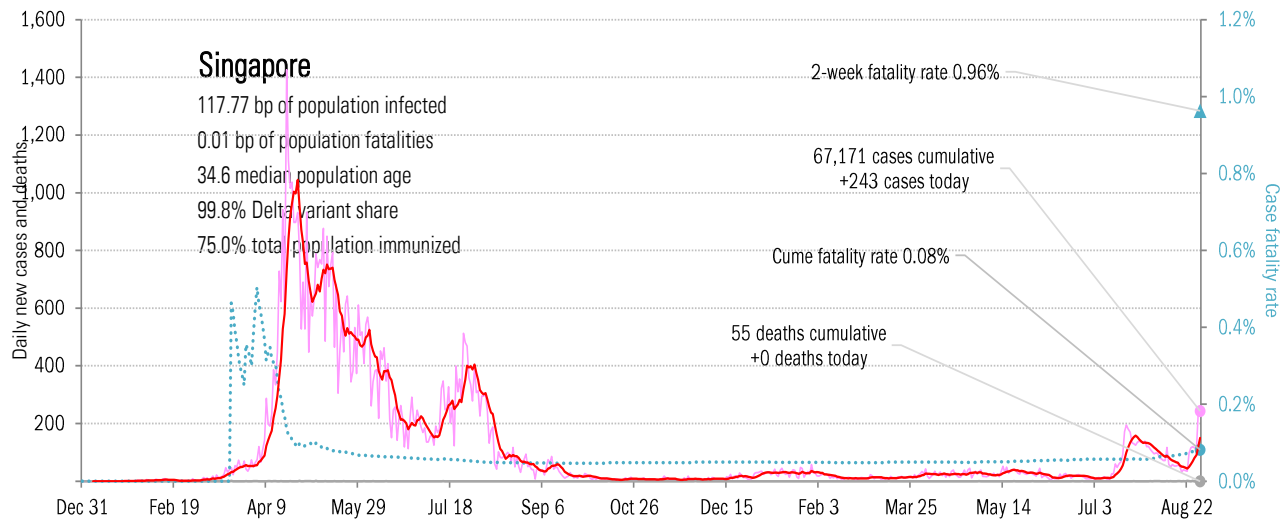
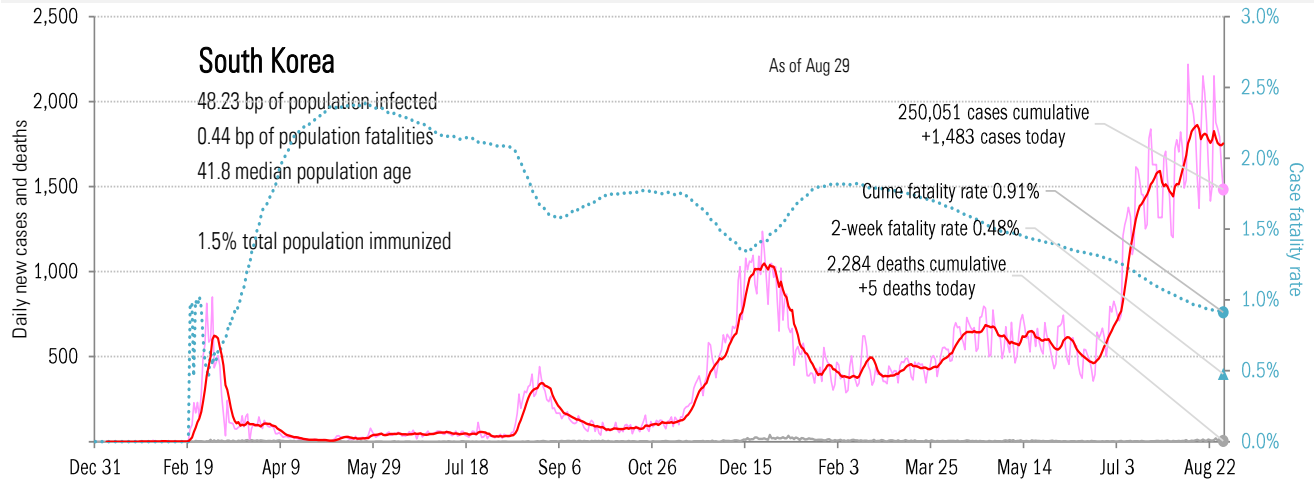
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

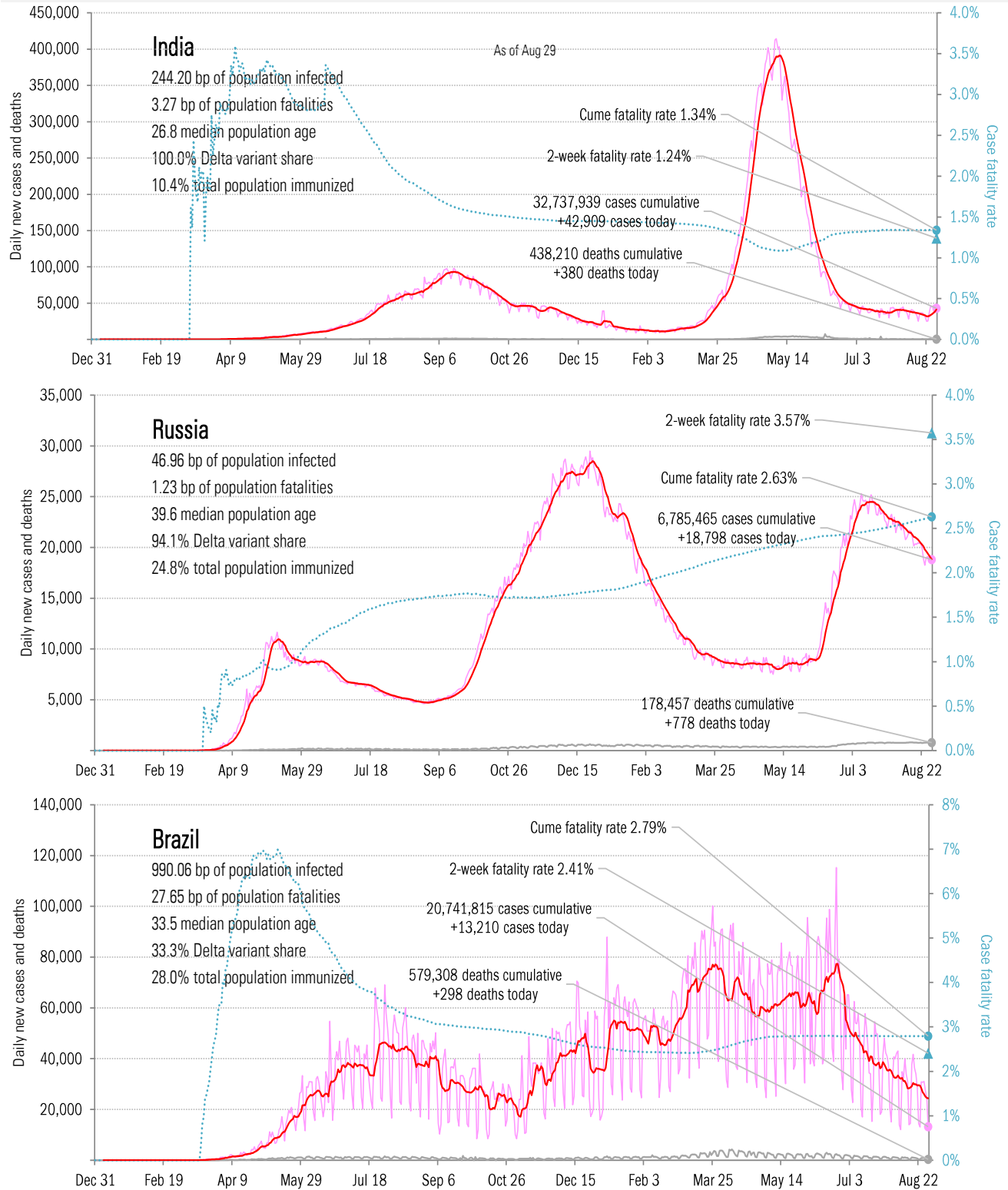
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

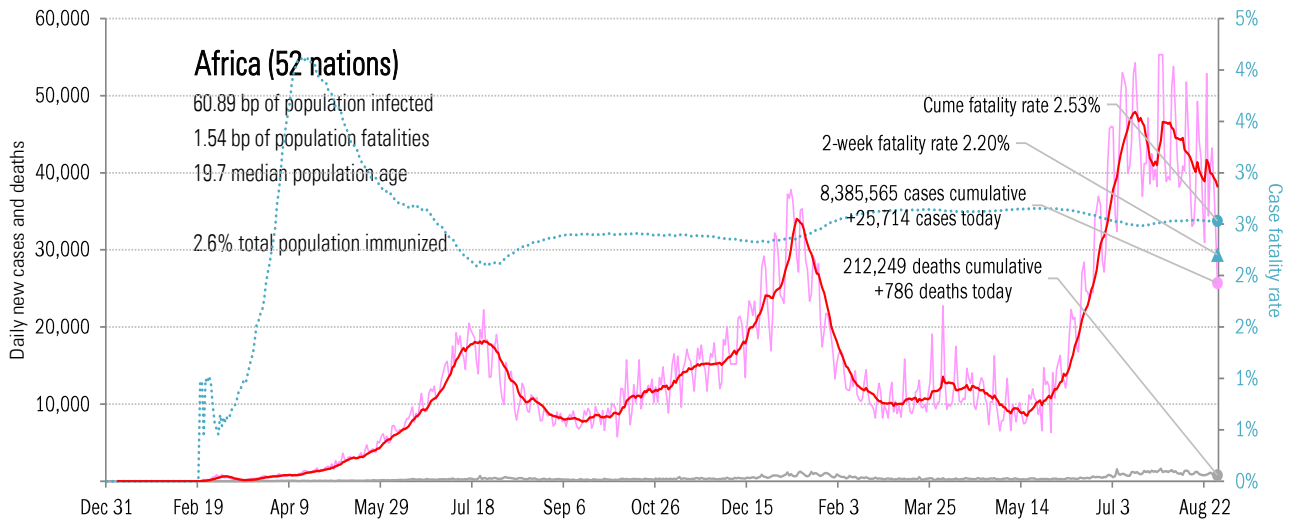
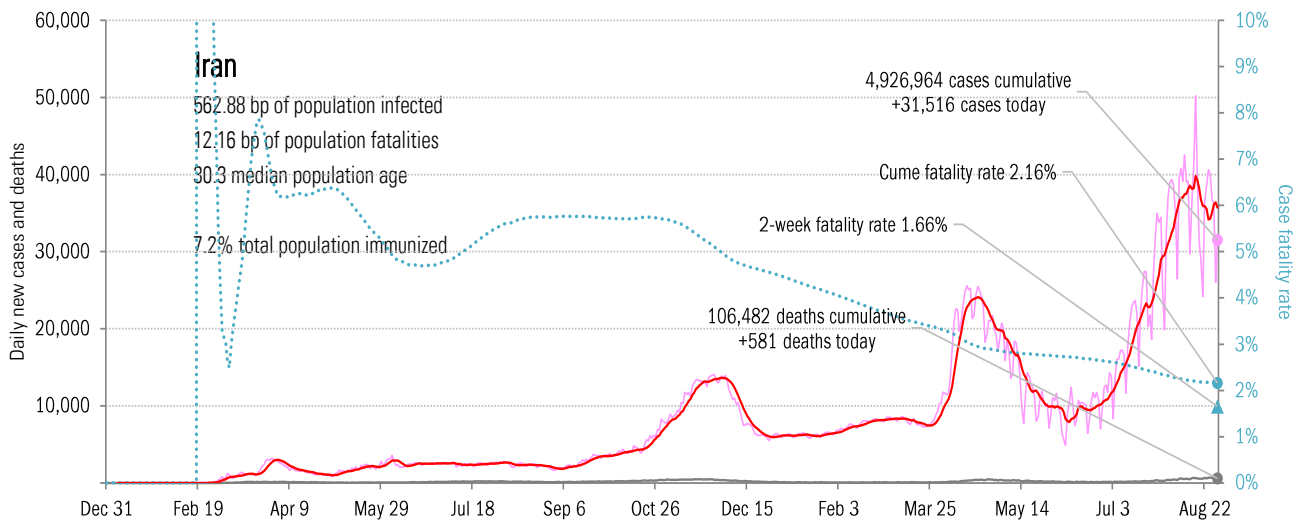
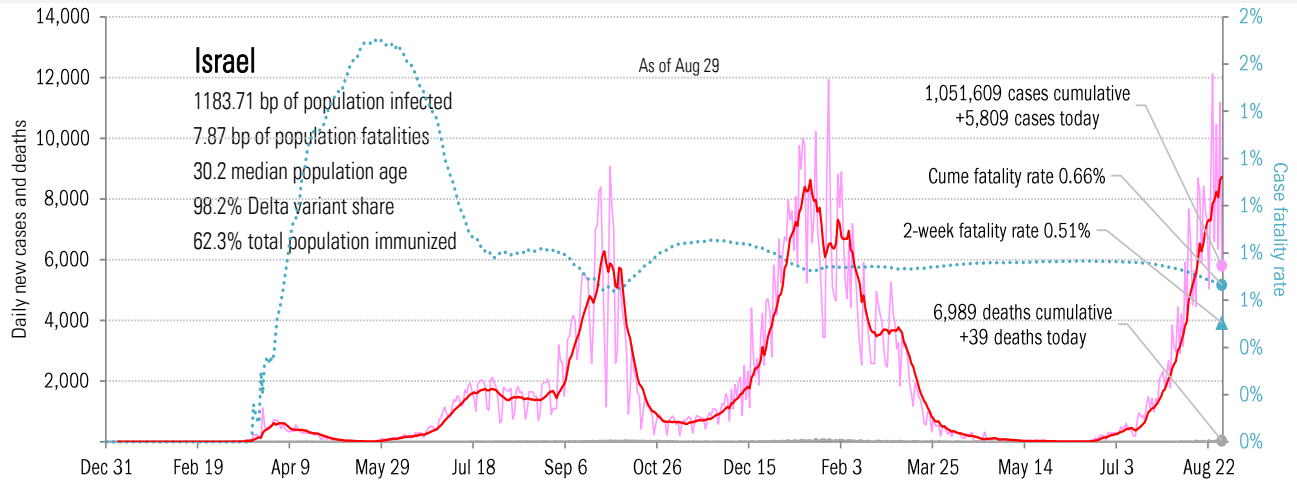
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

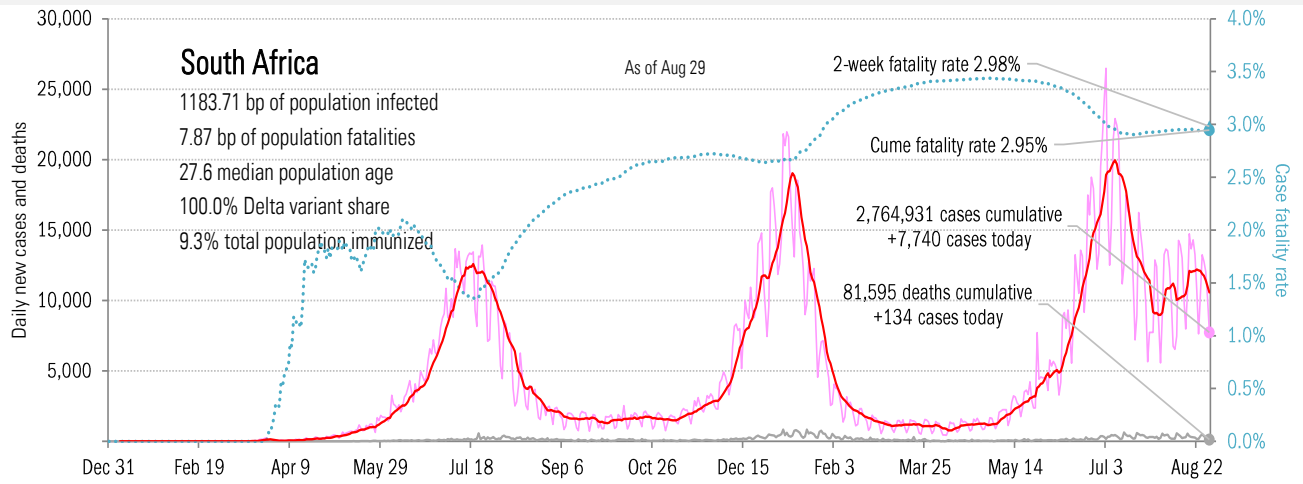
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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