

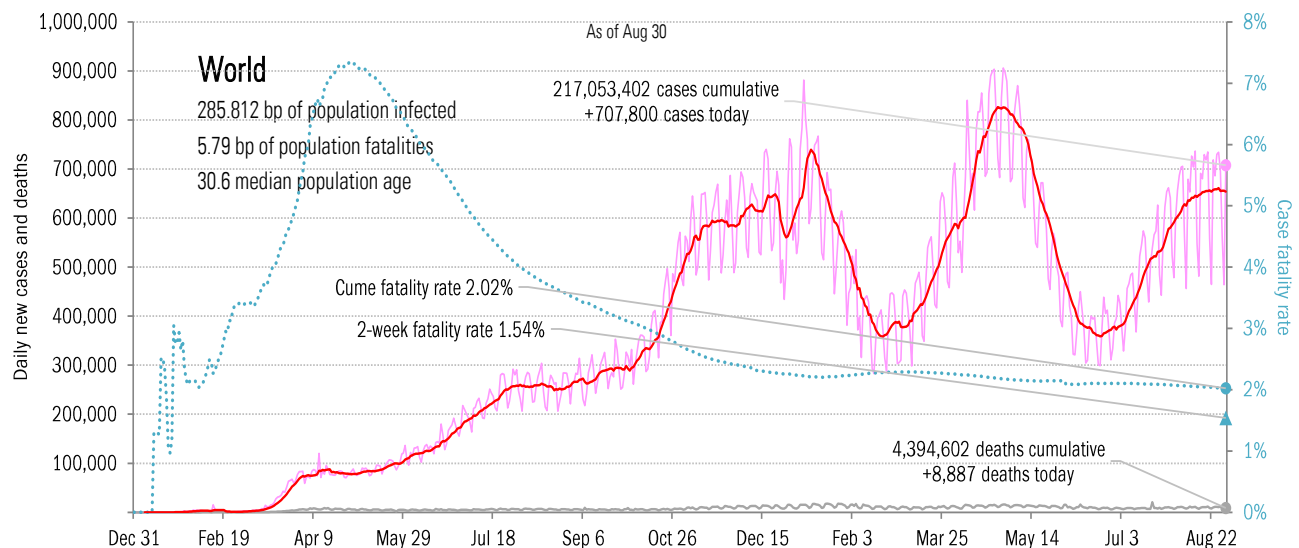
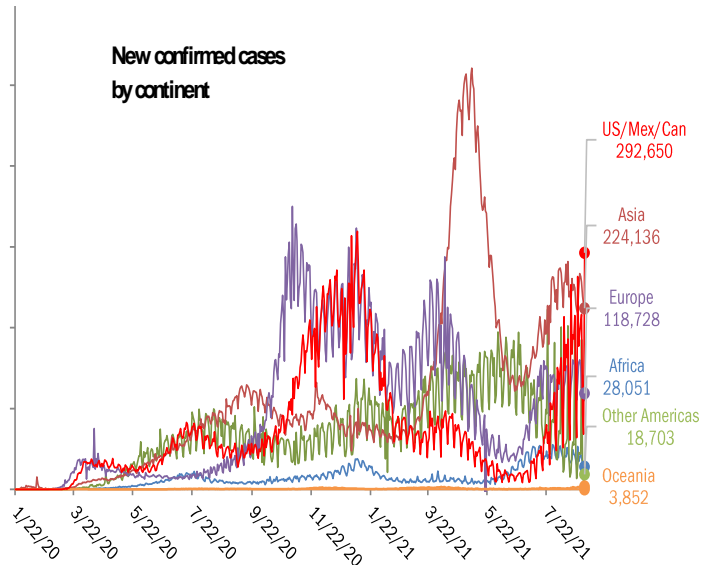
## Data Insights: Covid-2019 Monitor

Tuesday, August 31, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+280,212	United States	+1,172
Iran	+33,780	Russia	+776
India	+30,941	Iran	+669
United Kingdom	+26,285	Indonesia	+568
Philippines	+22,179	India	+350
Turkey	+19,557	Mexico	+326
Malaysia	+19,268	Vietnam	+315
Russia	+17,858	Malaysia	+295
Thailand	+15,972	Kazakhstan	+281
Spain	+15,489	Brazil	+266
<b>+481,541</b>		<b>+5,018</b>	
World	+707,800	World	+8,887
Top ten	68%	Top ten	56%



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

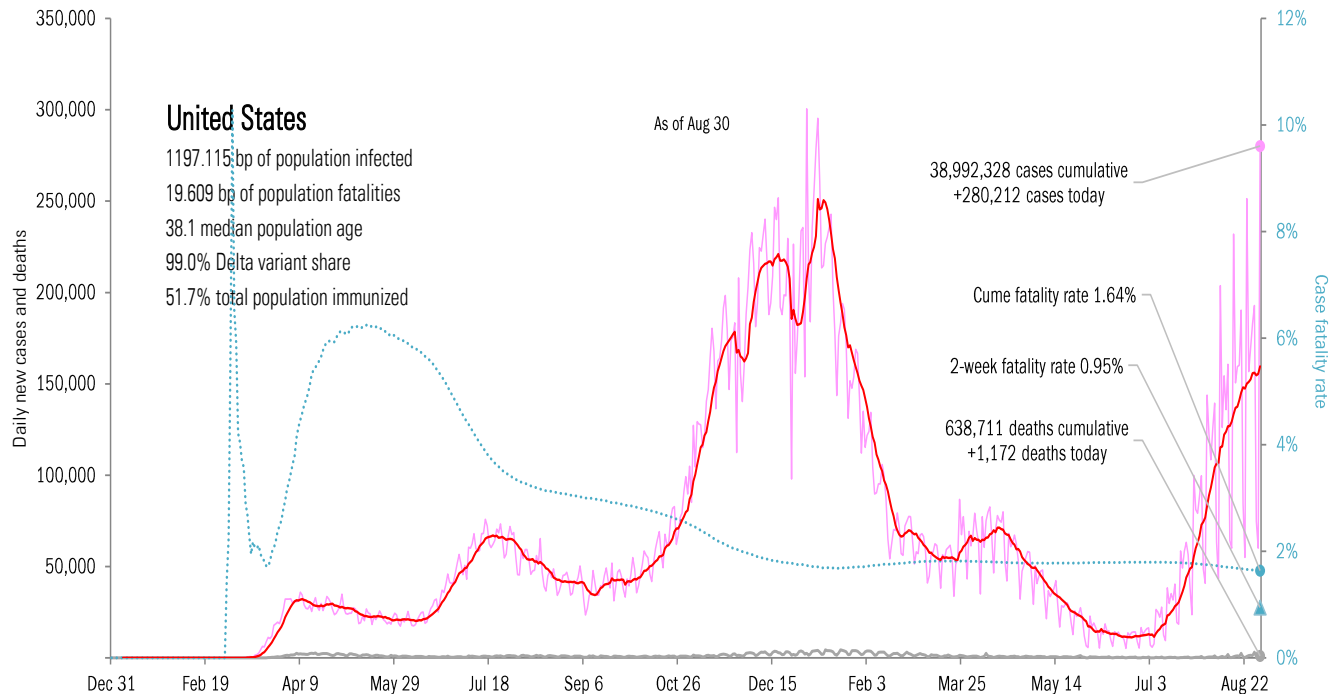
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
GA	+23,135		FL	+300		GA	+217		CA	4,346,129		CA	65,814		TX	318,431		GA	89%	AL	103%
TX	+22,369		TX	+123		KY	+59		TX	3,592,504		TX	56,808		CA	277,649		RI	85%	GA	96%
FL	+21,680		SC	+110		WV	+43		FL	3,158,209		NY	54,230		FL	275,247		FL	85%	FL	93%
TN	+20,545		NC	+93		AL	+41		NY	2,274,680		FL	43,712		NY	146,445		MD	83%	TX	92%
CA	+19,925		GA	+88		AZ	+41		IL	1,518,071		PA	28,214		GA	135,062		MA	82%	AR	91%
NC	+19,007		TN	+84		IN	+36		GA	1,393,061		NJ	26,864		PA	97,931		MO	82%	MO	88%
SC	+16,420		MS	+82		SC	+36		PA	1,297,119		IL	26,360		CH	97,045		TX	81%	MS	88%
IN	+11,331		CA	+57		NC	+34		CH	1,214,986		GA	22,641		KY	93,608		SC	81%	OK	88%
IL	+10,066		KY	+56		VA	+34		NC	1,208,303		MI	21,547		IL	92,395		CT	81%	LA	88%
KY	+9,894		IN	+46		AR	+27		NJ	1,089,838		CH	20,799		MI	77,712		PA	80%	NM	87%
+174,372			+1,039			+568			21,092,900			366,989			1,611,525						
All states	+280,212		+1,472			-43			All states	38,992,328		638,711			2,851,182			All states	70%	67%	
Top ten	62%		71%			-1321%			Top ten	54%		57%			57%			Median	74%	77%	

Some states not reporting

## Five most improved US states

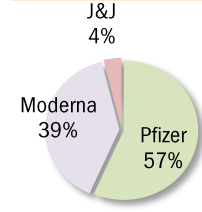
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
H	-958	CA	-10	TX	-240	AL	+20 bp
CH	-872	NY	-9	TN	-133	FL	+20 bp
NY	-503	AZ	-8	CA	-80	SC	+20 bp
AL	-361	MO	-4	H	-55	VA	+20 bp
FR	-354	AL	-3	MO	-48	AK	+10 bp



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	379,910,798		+0.703 million		US	51.7%	60.9%	
	One dose	% Pop	Immune	% pop	New immune today	UK	62.6%	70.4%
Total population	209,690,522	63%	178,273,240	53%	+0.313 million	France	58.8%	71.4%
Age 12 to 17	12,464,198	52%	9,434,547	40%	+0.065 million	Spain	70.2%	77.8%
Age 18 to 64	144,278,582	71%	121,794,952	60%	+0.265 million	Germany	59.9%	64.6%
Age 65 and over	51,929,825	95%	46,212,066	84%	+0.018 million	Italy	60.5%	70.4%
	J&J					Australia	27.3%	46.7%
	Moderna					Israel	62.4%	68.0%
	Pfizer					Canada	66.6%	73.3%
						Japan	45.5%	56.6%
						Africa	2.7%	4.9%
						India	10.5%	35.4%
						Brazil	28.7%	62.9%
						China	61.6%	74.3%



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



Every American >18 immune in **156 days** by Feb 1, 2022  
 65.1% of population >18 immunized  
 13.3% previously tested positive  
**78.3%** vs 60% adult herd immunity

As of Aug 30

Global data differs from sources, timing

AK
54.1%
47.2%

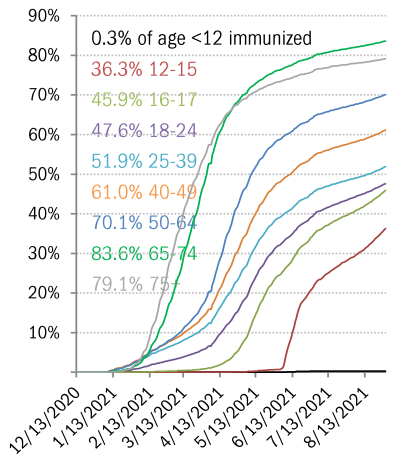
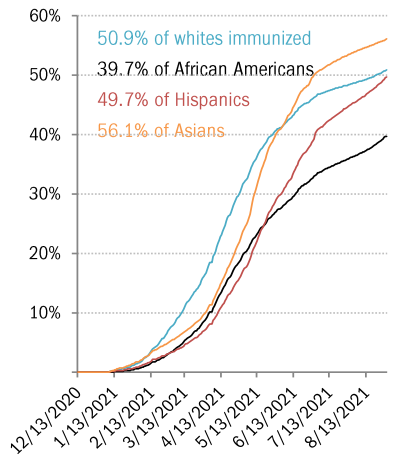
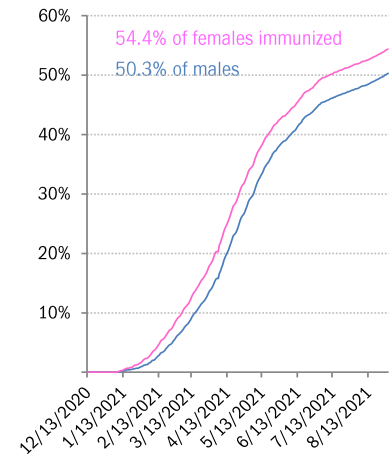
WI
58.6%
53.9%

ME
71.3%
65.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
67.8%	44.2%	52.1%	48.2%	61.7%	65.9%	55.2%	67.3%	76.1%	67.0%	
60.1%	39.2%	45.9%	41.7%	55.8%	51.1%	50.5%	60.0%	67.9%	59.6%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
63.9%	57.9%	44.9%	56.1%	56.1%	50.1%	52.4%	69.3%	69.8%	75.3%	
58.0%	47.7%	38.4%	49.1%	51.5%	46.2%	48.4%	55.1%	61.3%	65.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
68.8%	56.2%	63.3%	57.4%	52.6%	57.0%	47.0%	65.2%	68.1%	73.5%	71.4%
55.8%	47.5%	56.8%	51.9%	45.0%	48.4%	39.6%	57.2%	61.4%	65.9%	64.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	56.6%	69.8%	57.3%	53.1%	49.1%	55.6%	51.5%	67.4%	64.0%	
	47.8%	59.9%	48.2%	41.4%	41.5%	46.3%	43.3%	57.3%	55.2%	
			OK	LA	MS	AL	GA			
			53.2%	49.5%	46.3%	49.6%	50.9%			
			43.7%	41.4%	37.7%	38.1%	41.2%			
			TX							
			57.0%							
			47.3%							
								FL		PR
								63.7%		74.0%
								52.8%		62.9%

HI
74.0%
55.2%

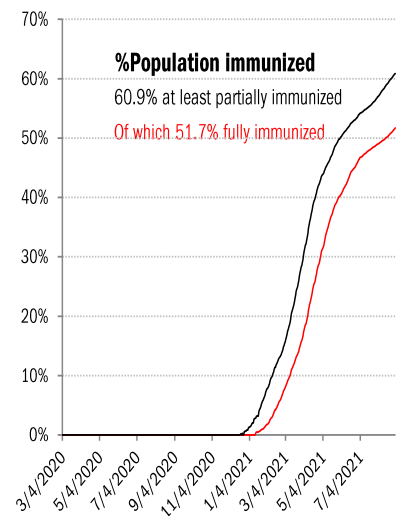
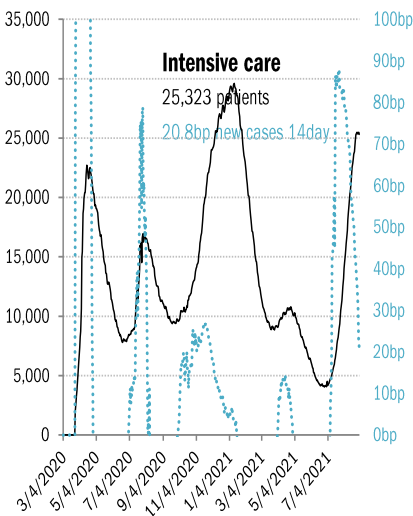
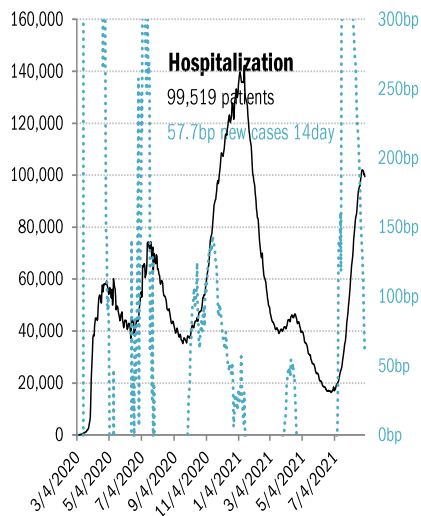
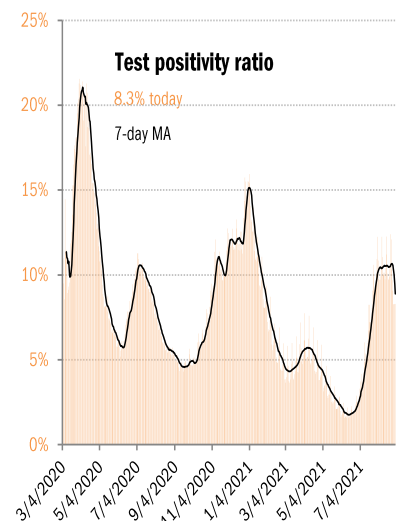
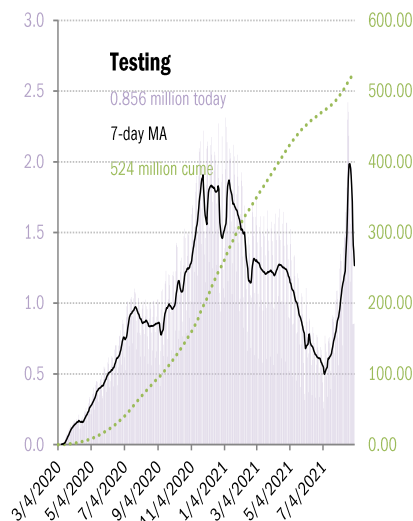
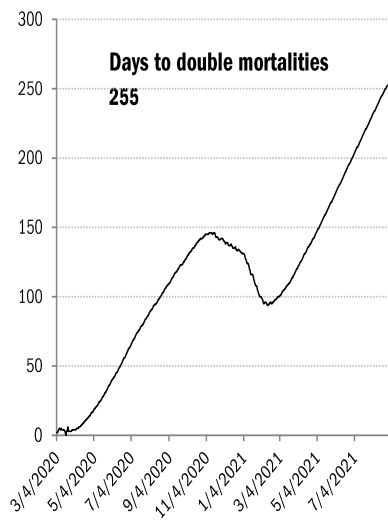
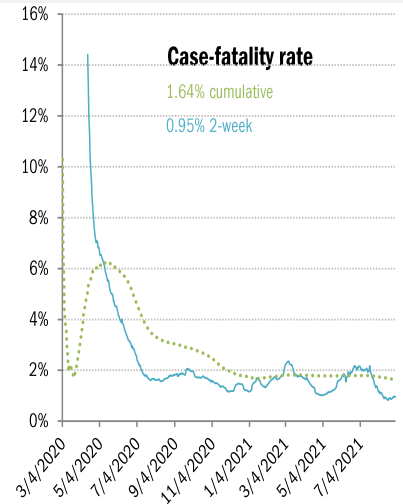
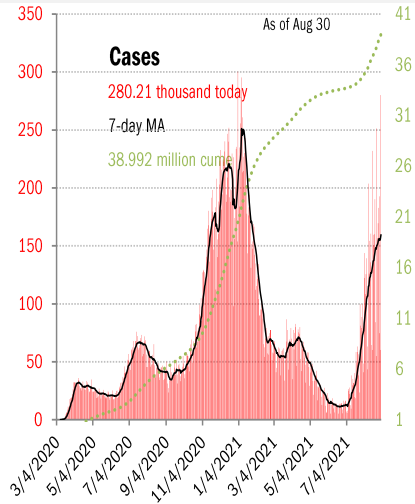
## The demographics of US vaccination



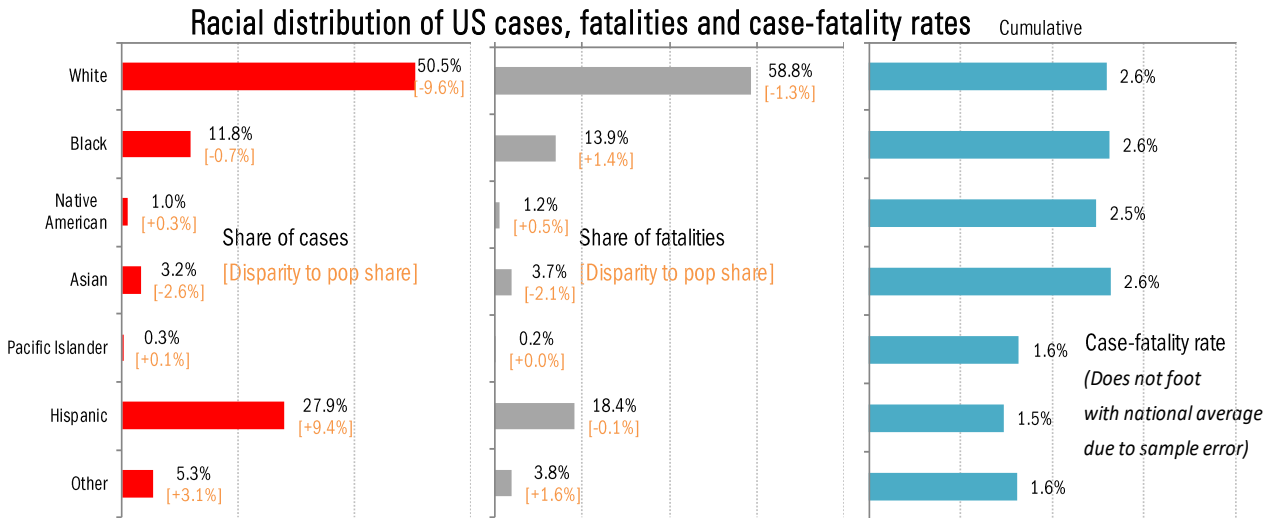
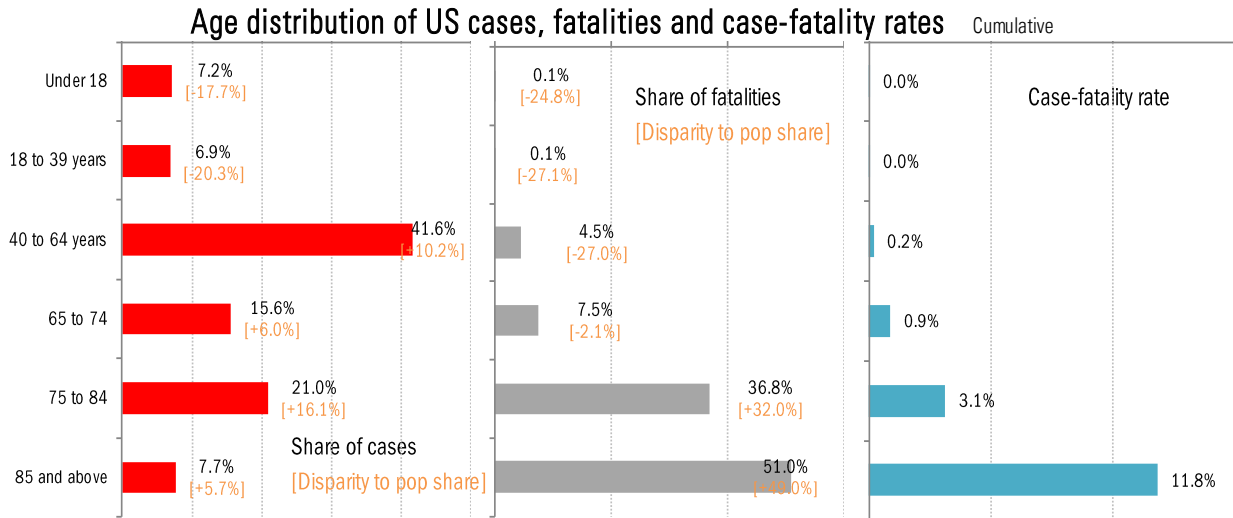
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

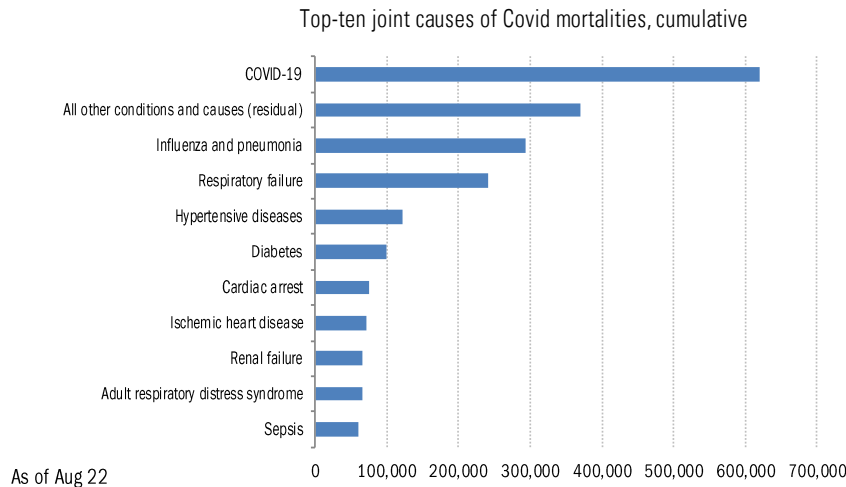
National and state-by-state data do not line up because of different sources



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



### 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

[Florida radio host 'Mr. Anti-Vax' dies of COVID-19](#)

Sarah Polus  
*The Hill*  
August 29, 2021

[Changes in Body Mass Index Among Children and Adolescents During the COVID-19 Pandemic](#)

Susan J. Woolford  
*Jama Network*  
August 27, 2021

[Five Ways To Deal With The COVID Karens In Your Life](#)

Scott Morefield  
*TownHall*  
August 30, 2021

[Coronavirus Pandemic Generates Flurry of Letters to God](#)

Gwen Ackerman  
*Bloomberg*  
August 30, 2021

[Pretending COVID Is An Emergency Is Killing America](#)

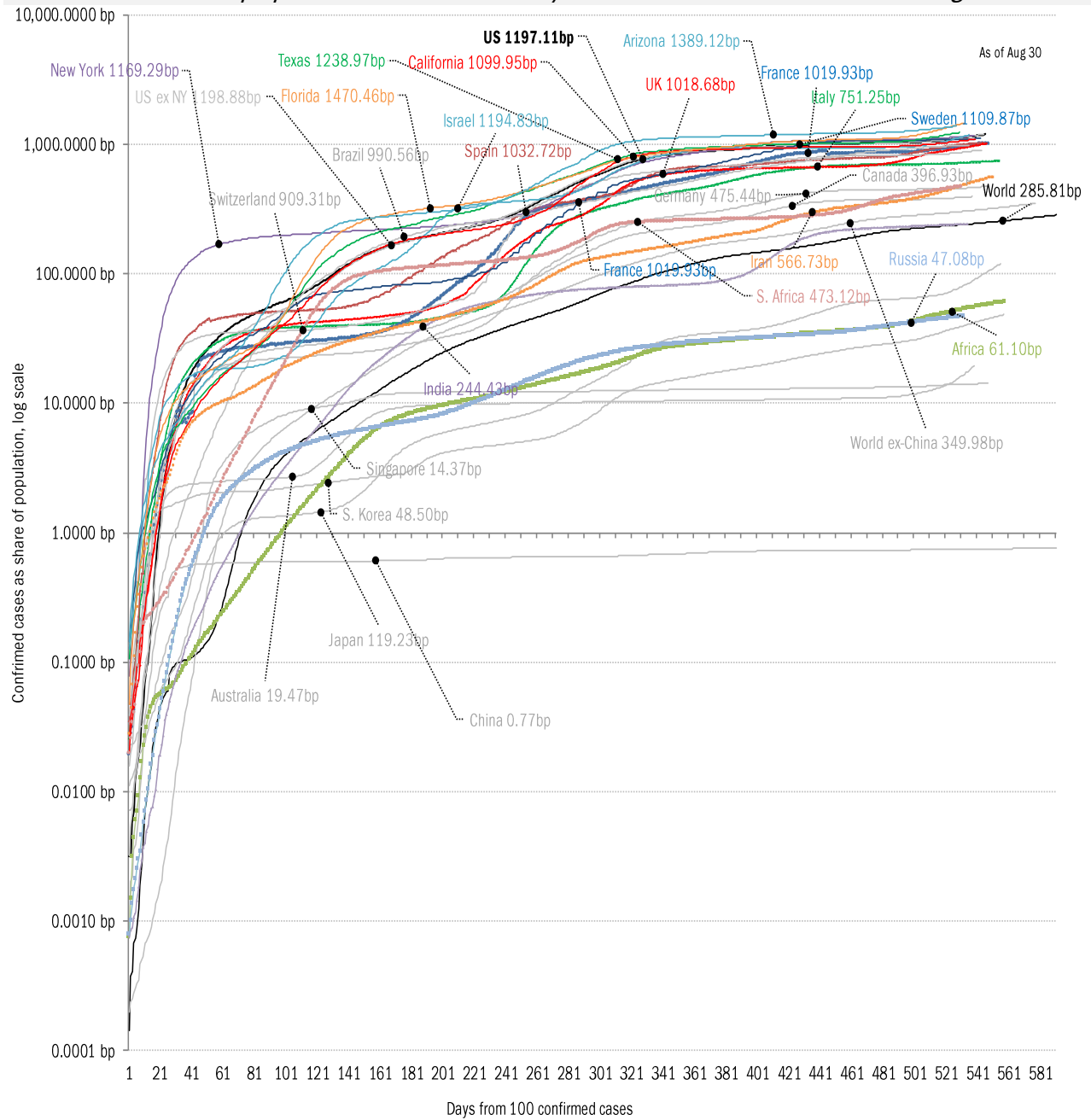
Molly McCann  
*The Federalist*  
August 30, 2021

## Meme of the day



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

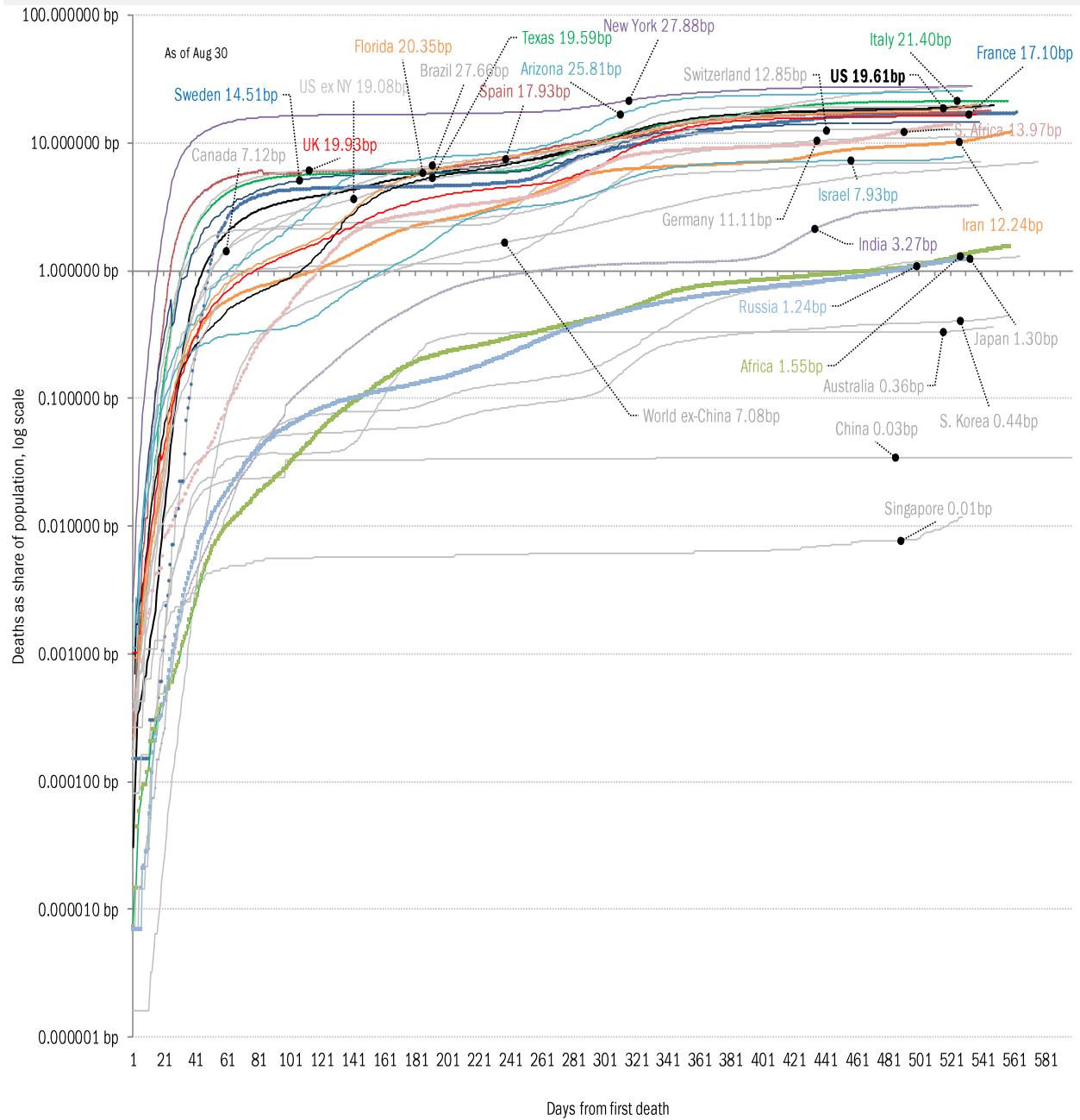
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



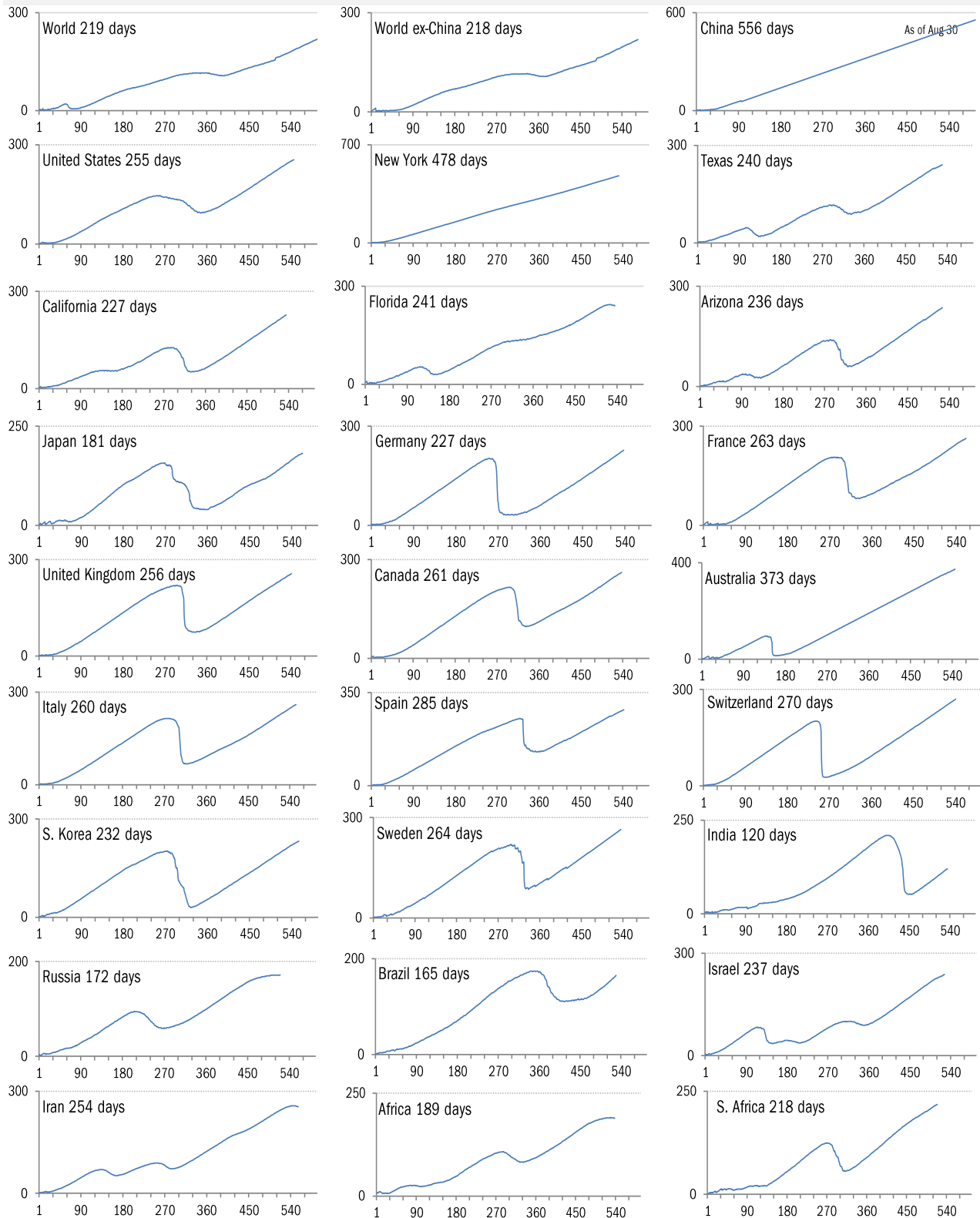
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-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

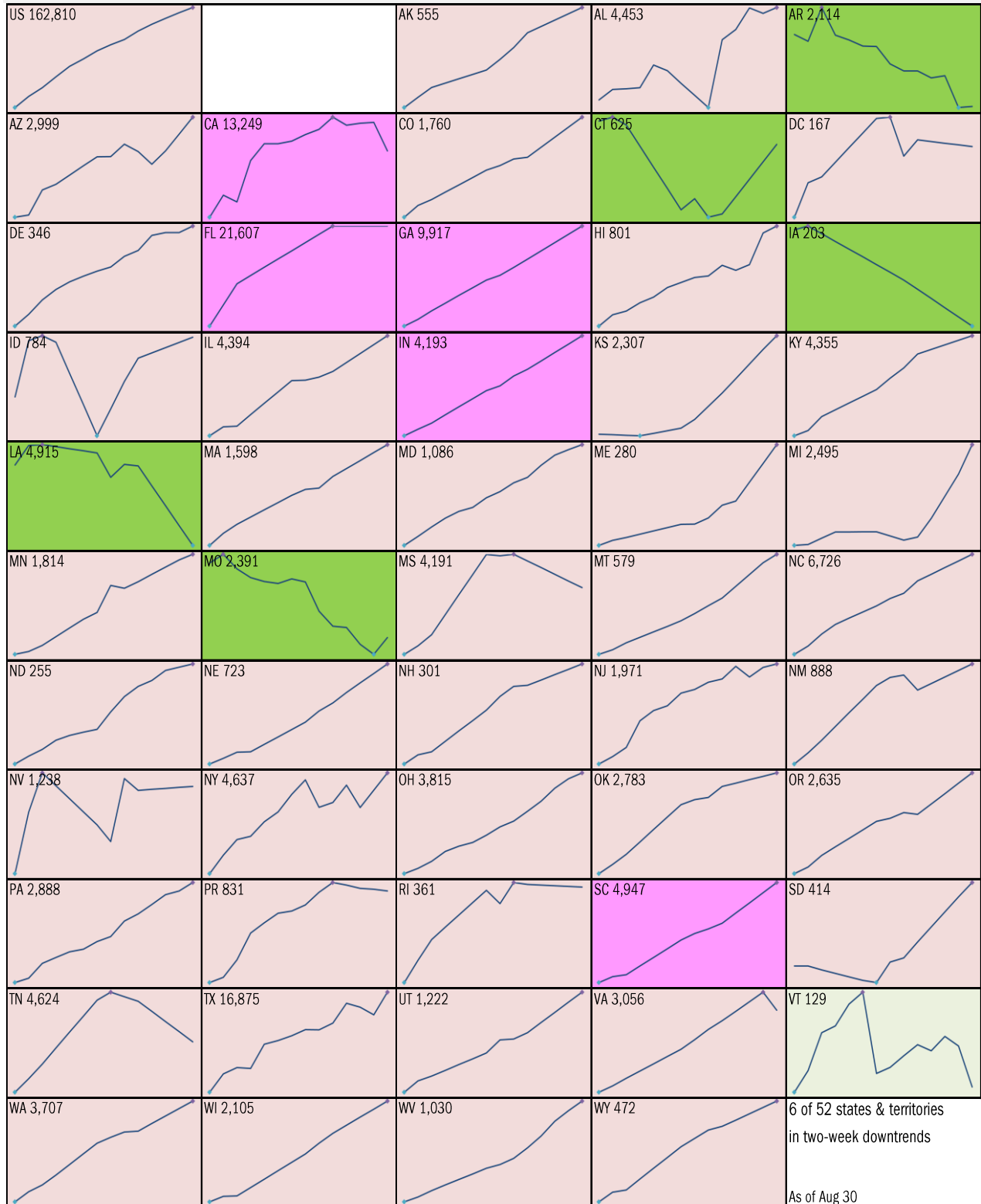


Source: [Johns Hopkins](#), TrendMacro calculations

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

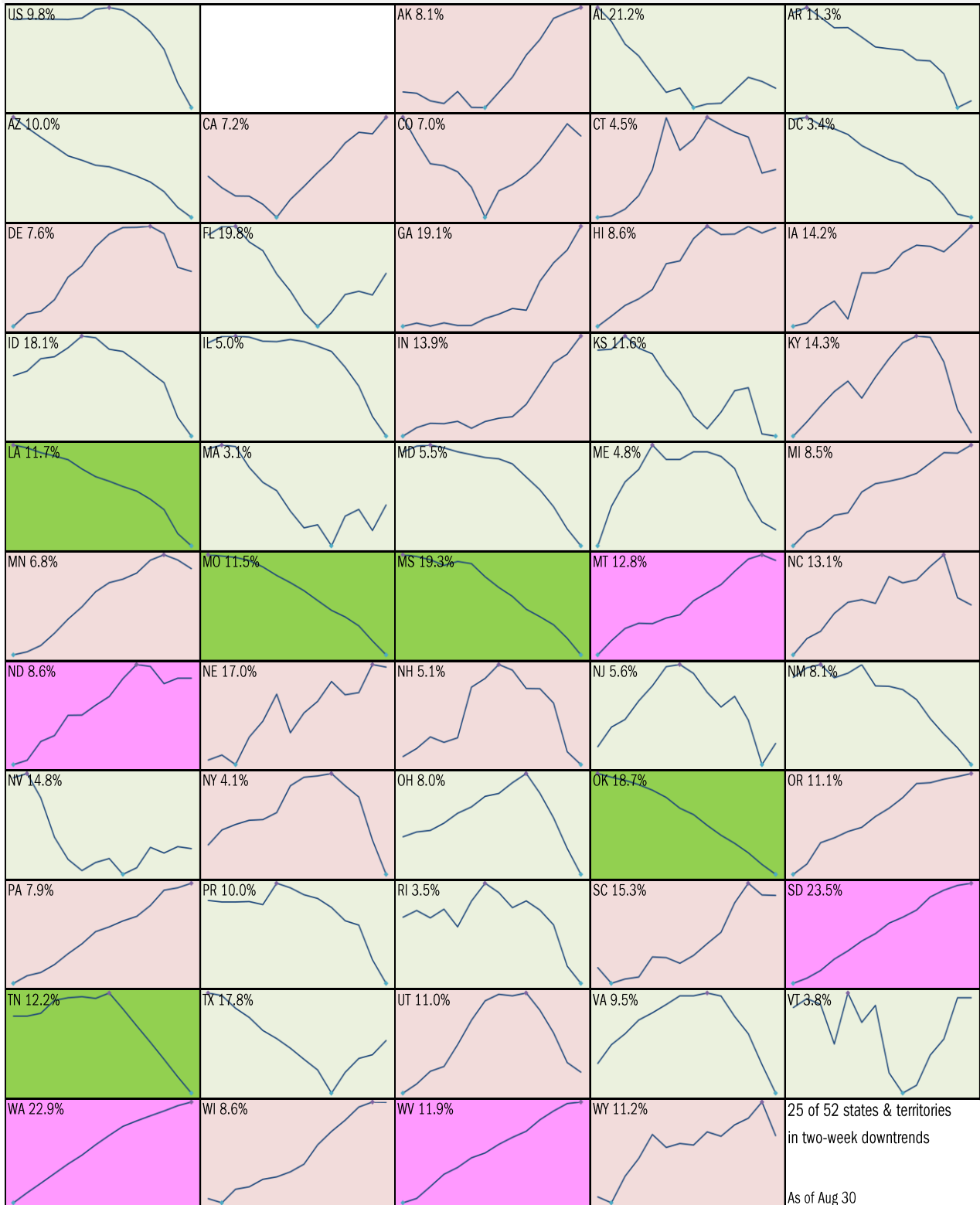


Source: [Johns Hopkins](#), TrendMacro calculations

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

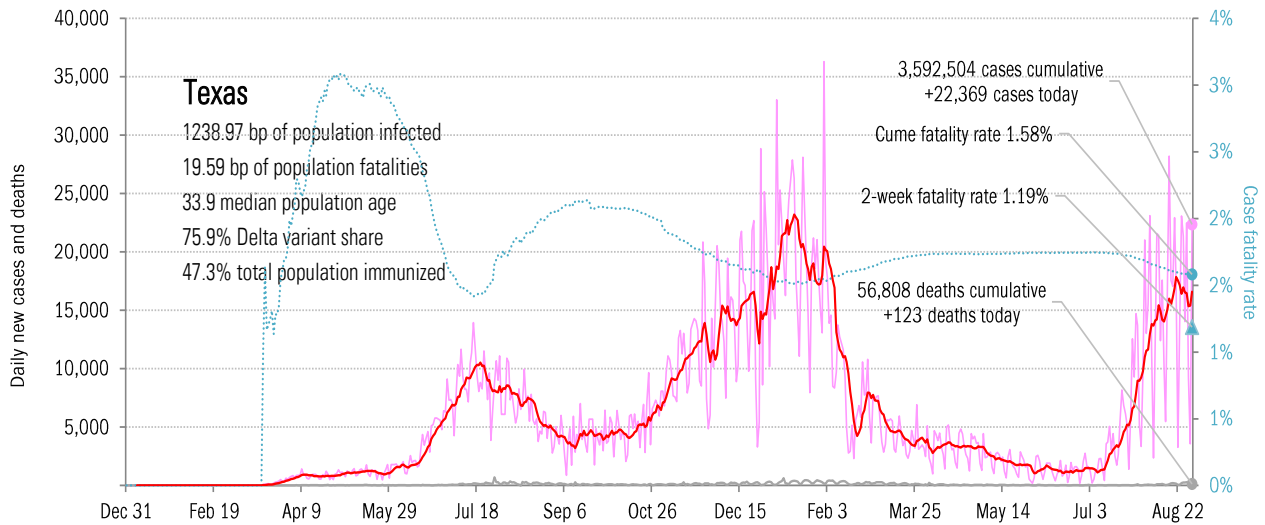
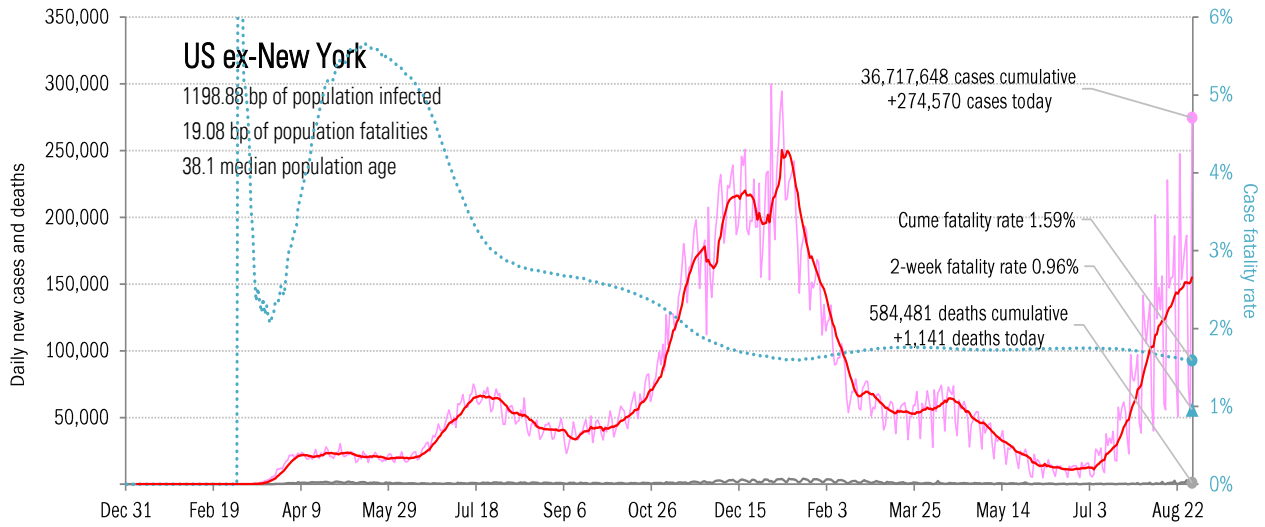
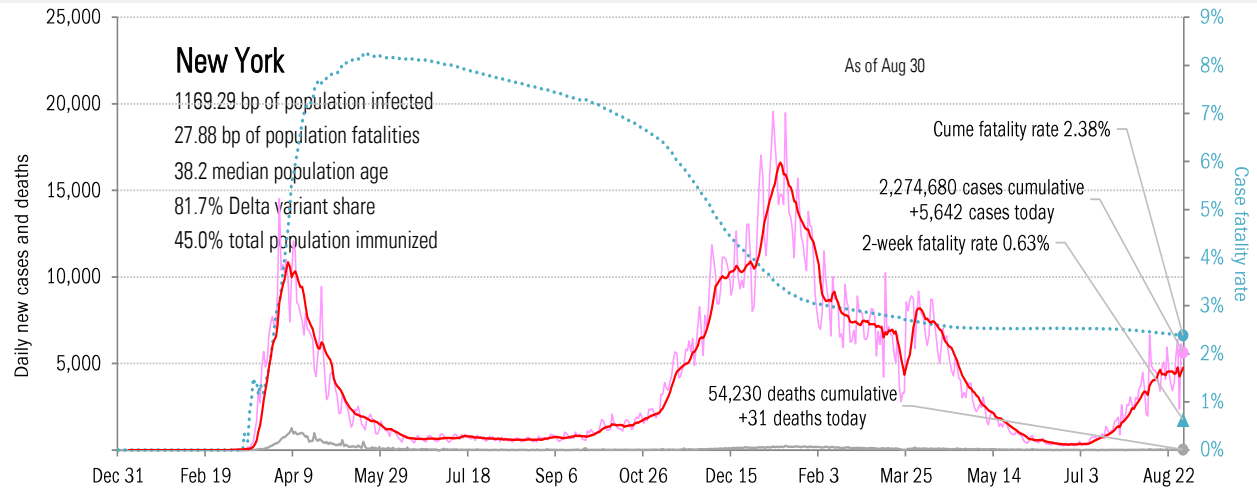
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

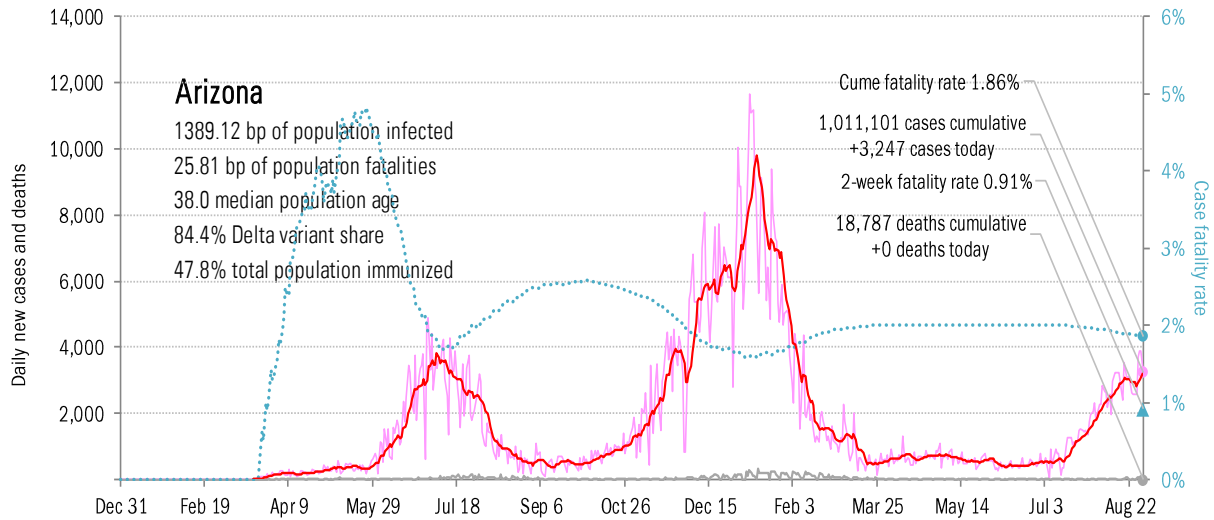
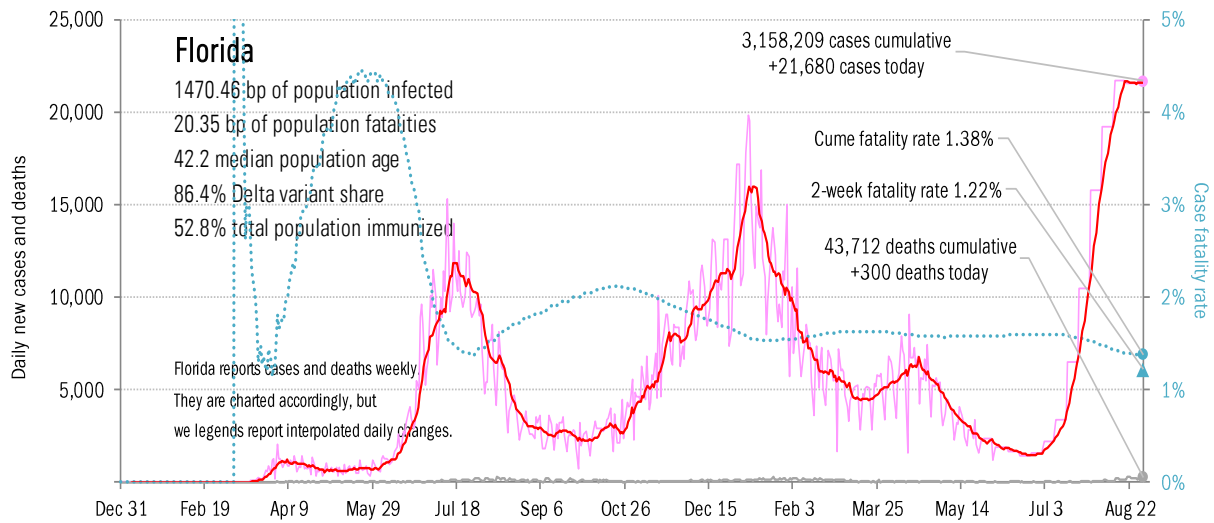
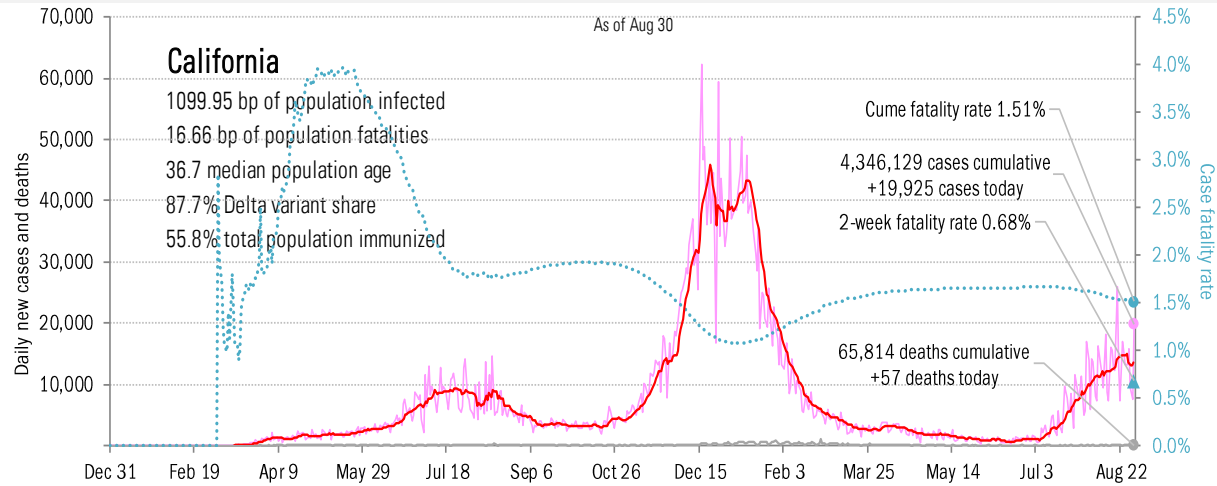
Cases: 7-day average and daily Deaths: Daily



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

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

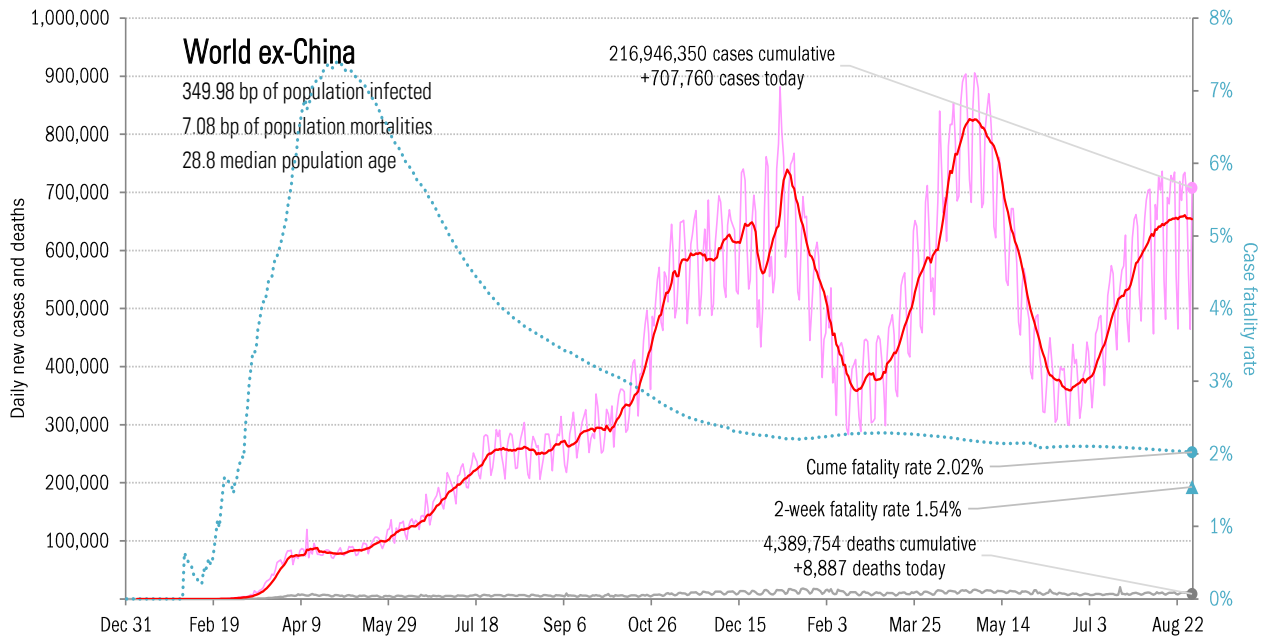
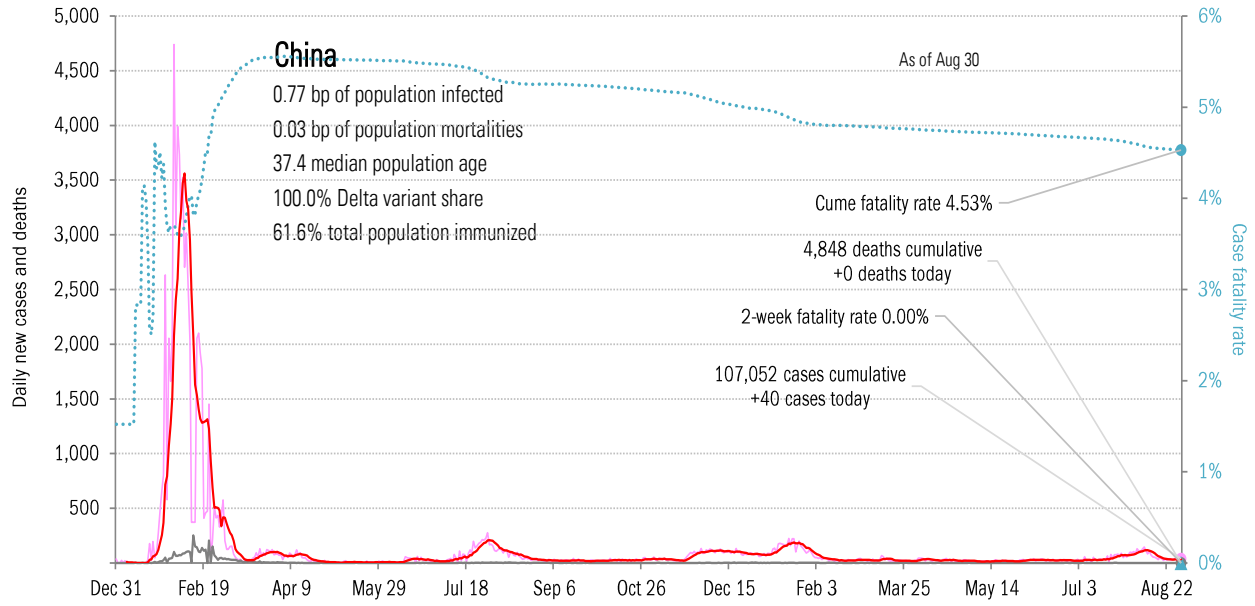
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

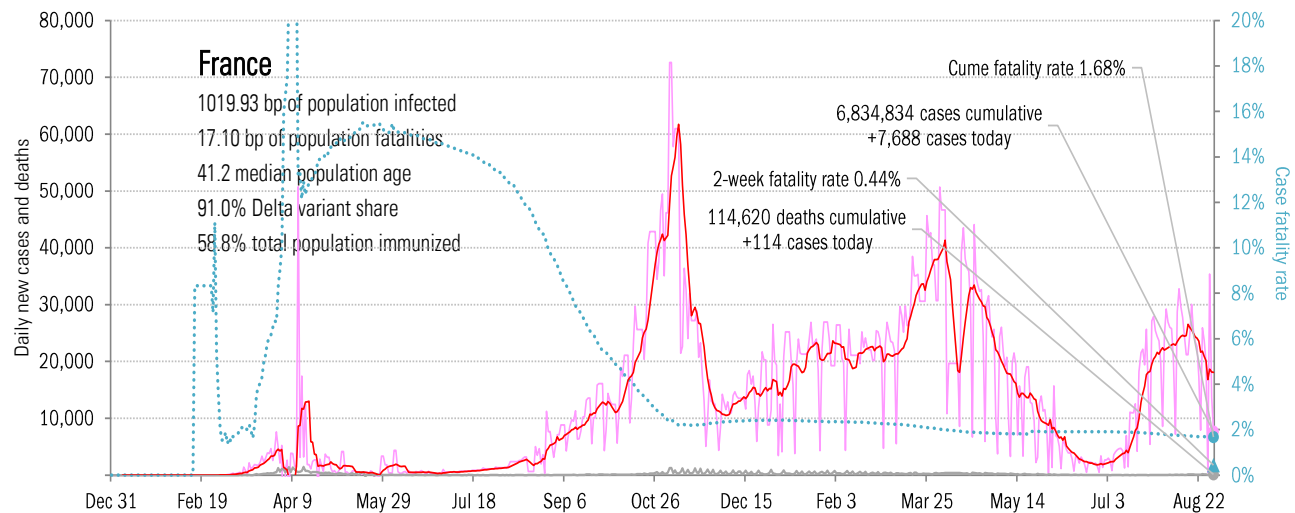
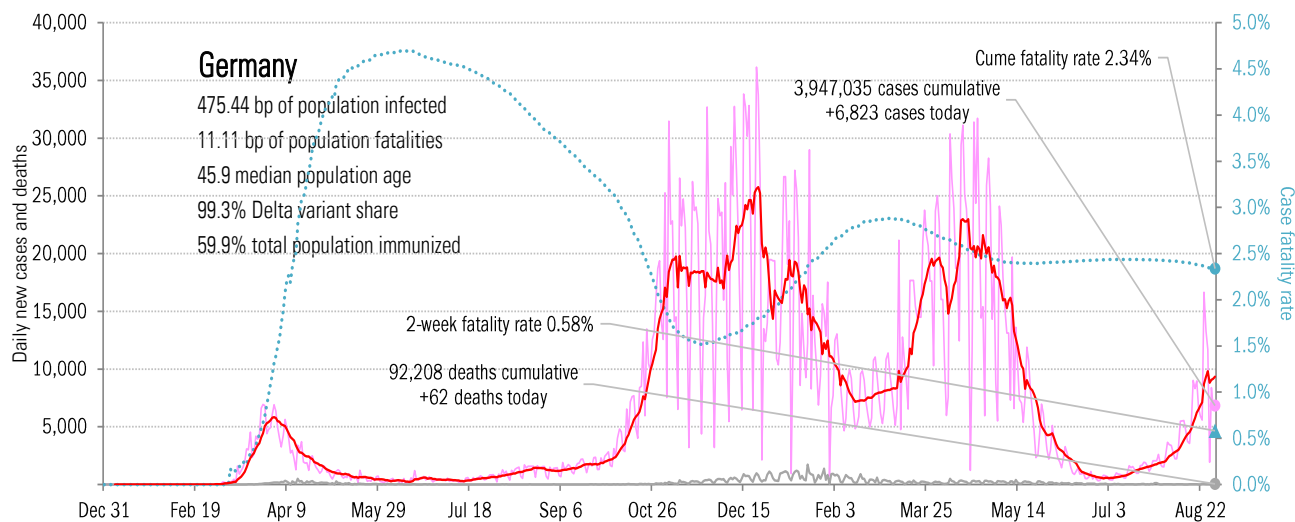
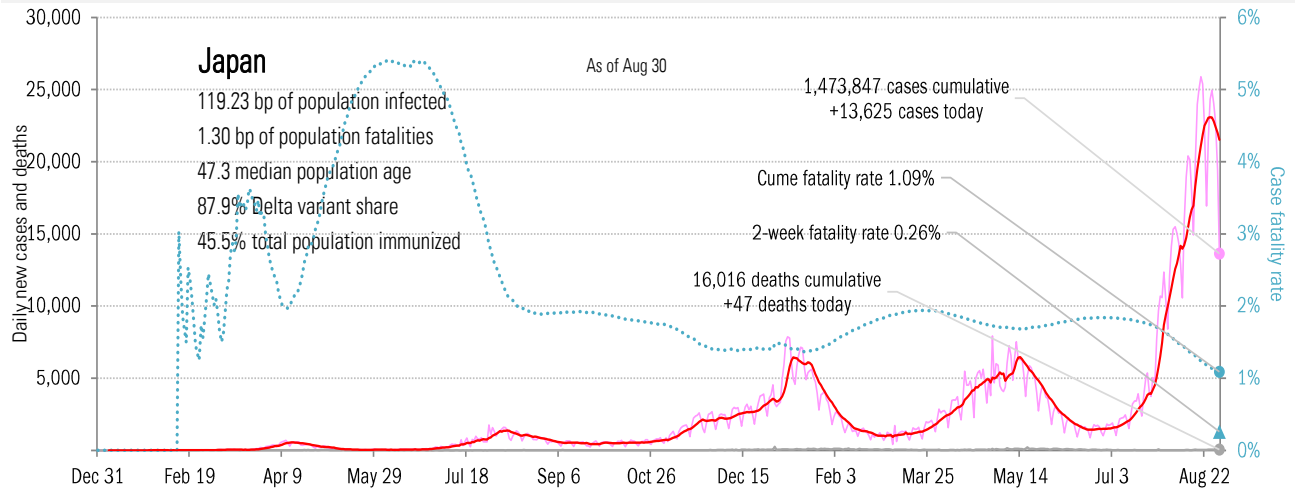
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

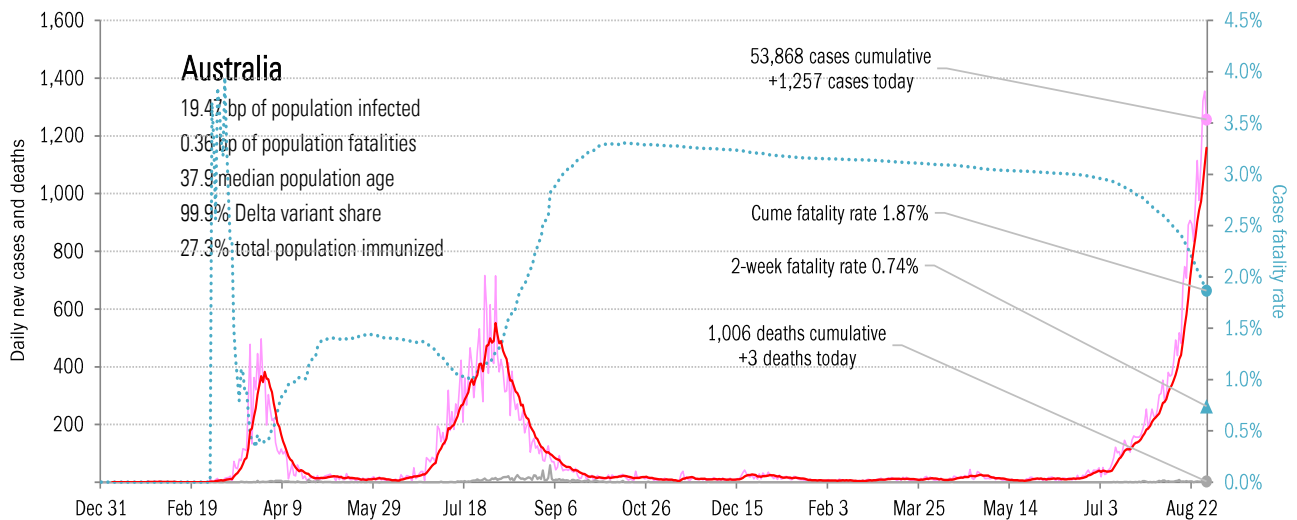
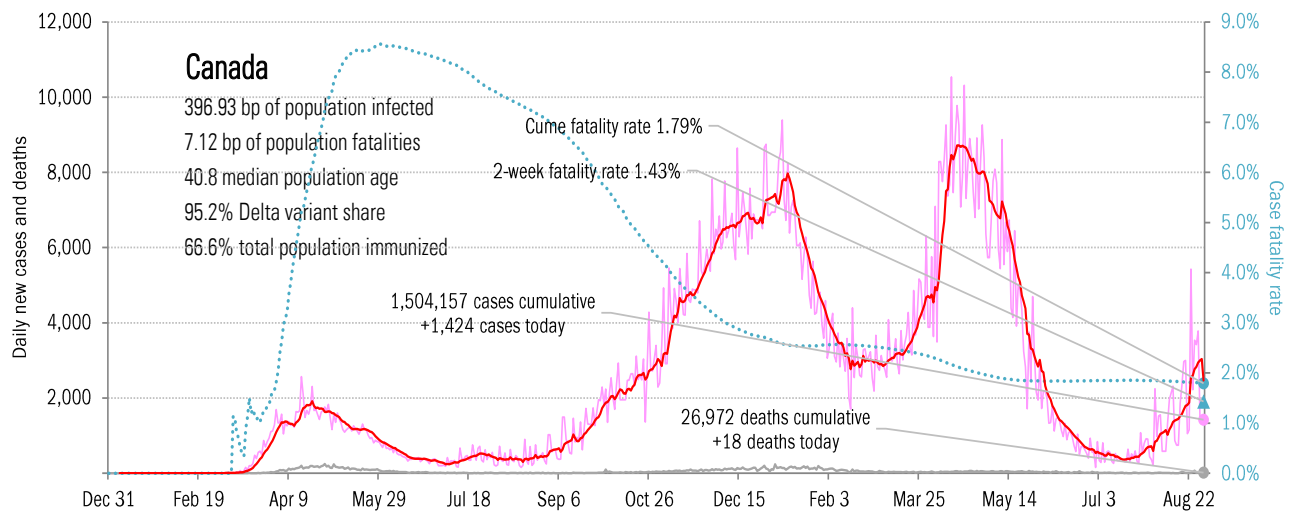
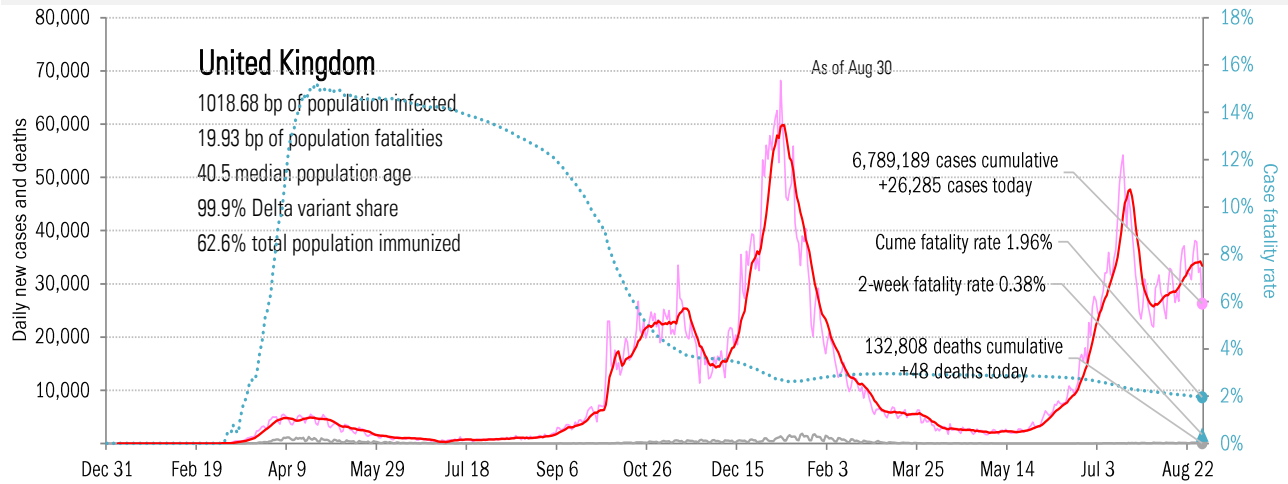
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

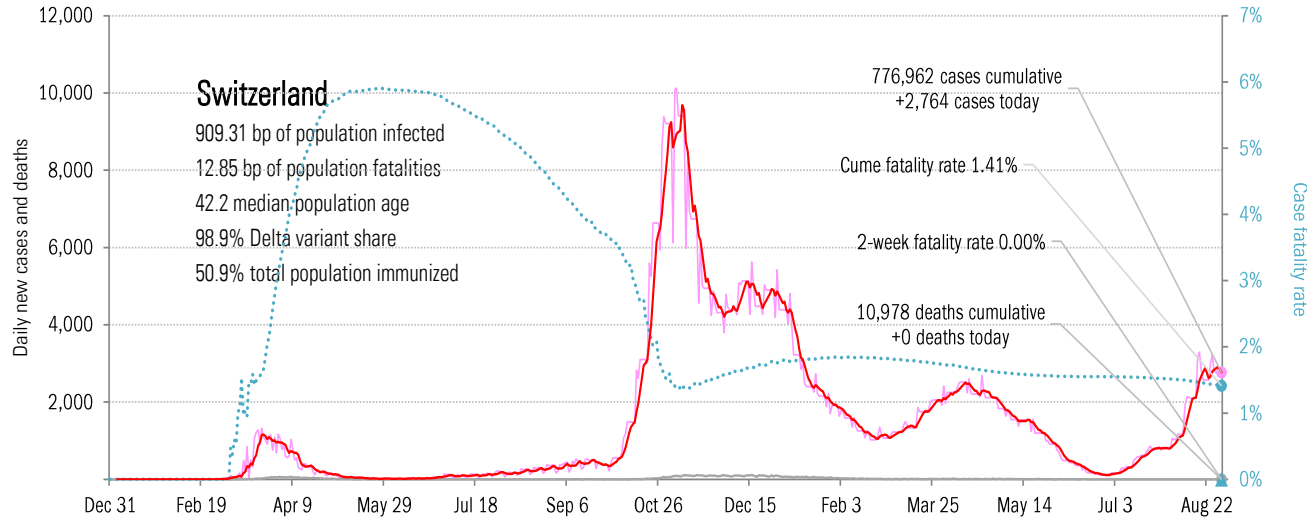
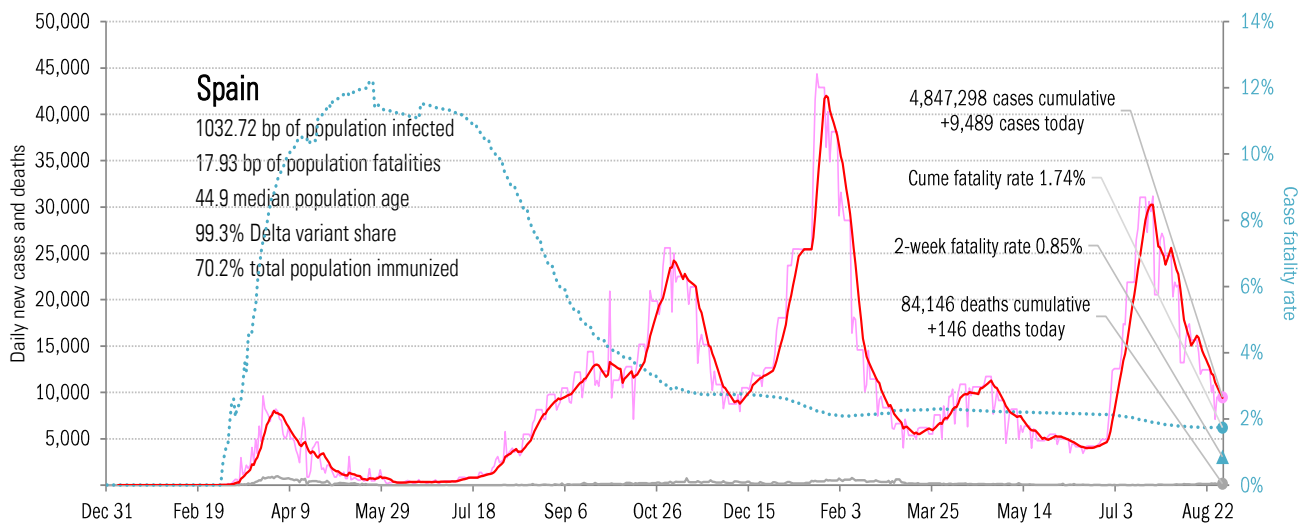
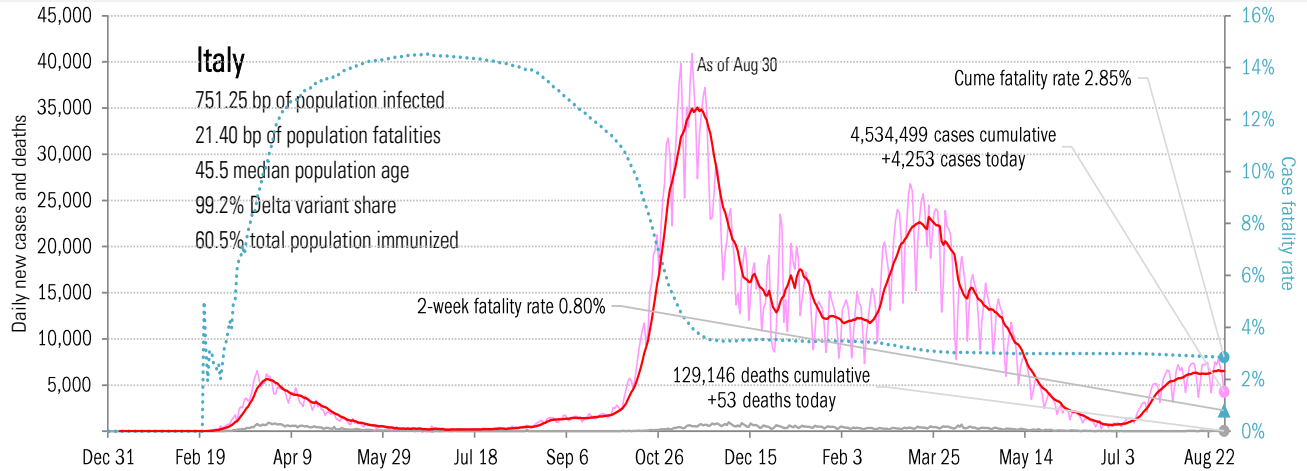


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

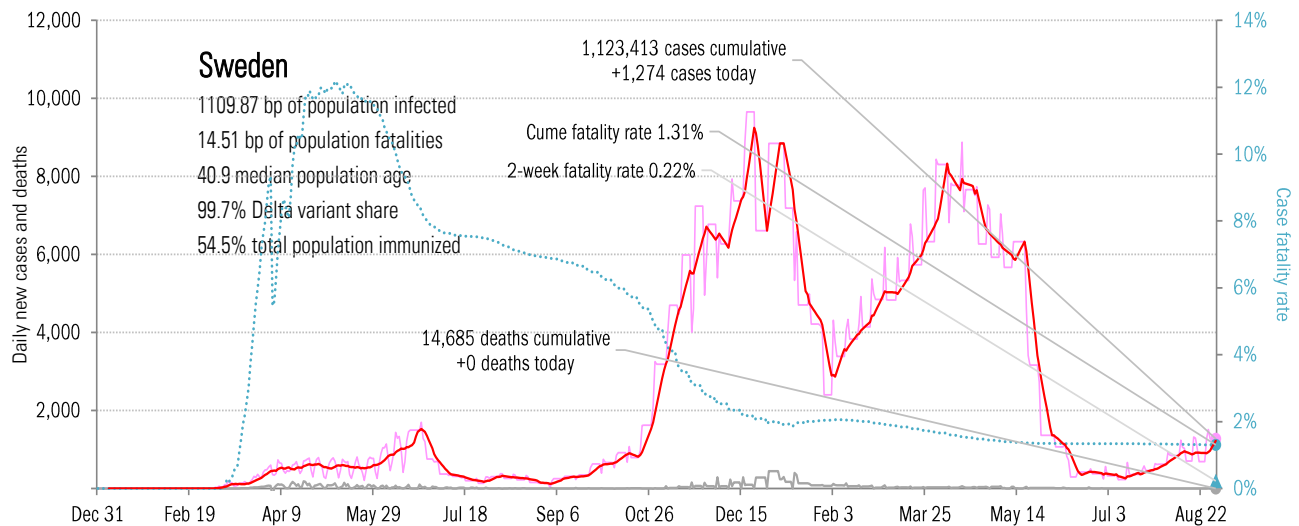
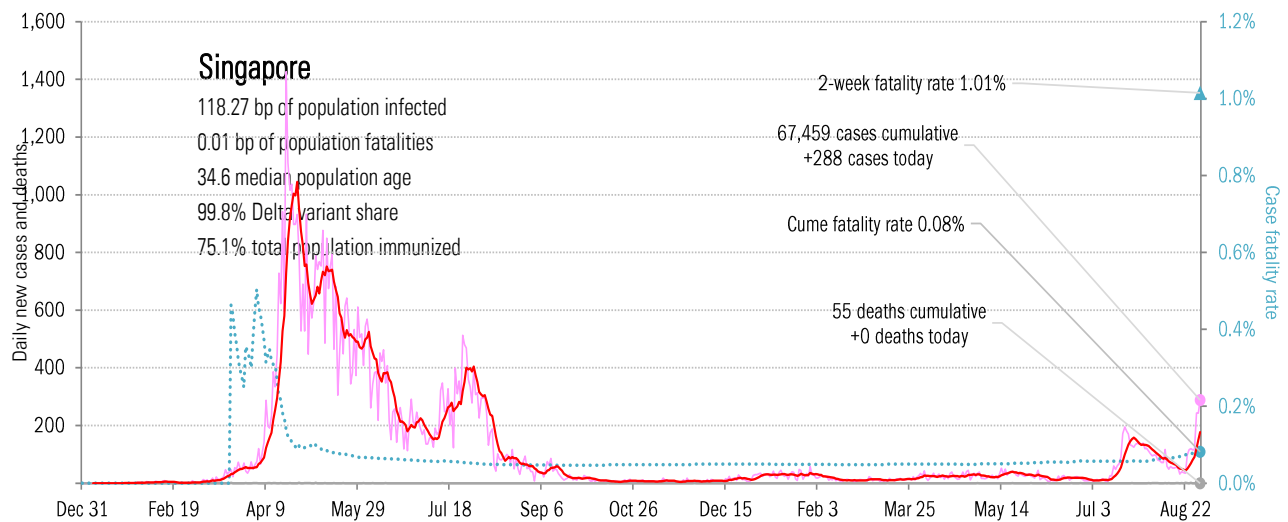
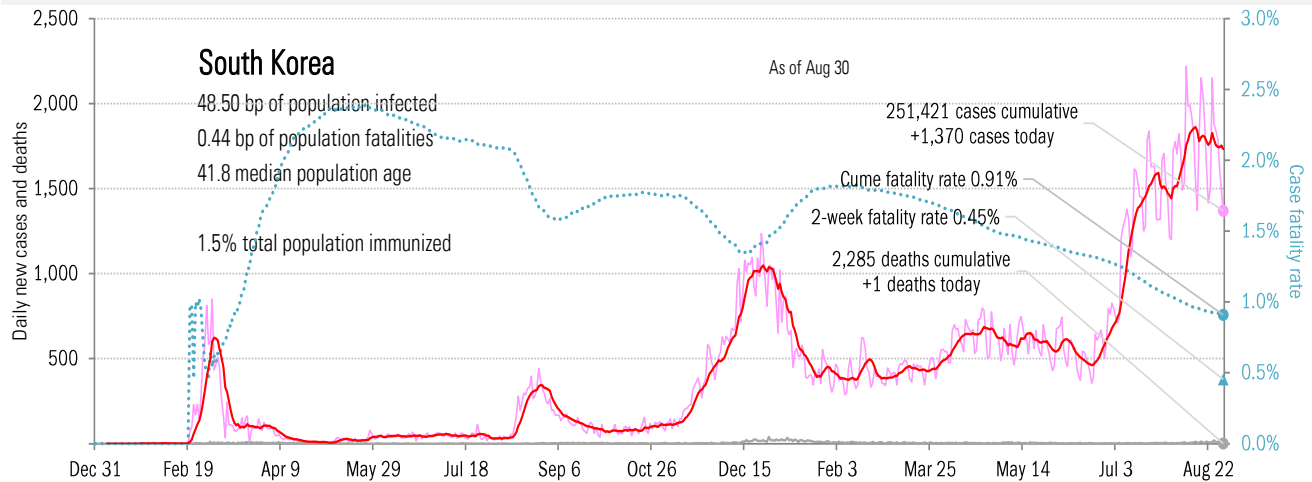
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

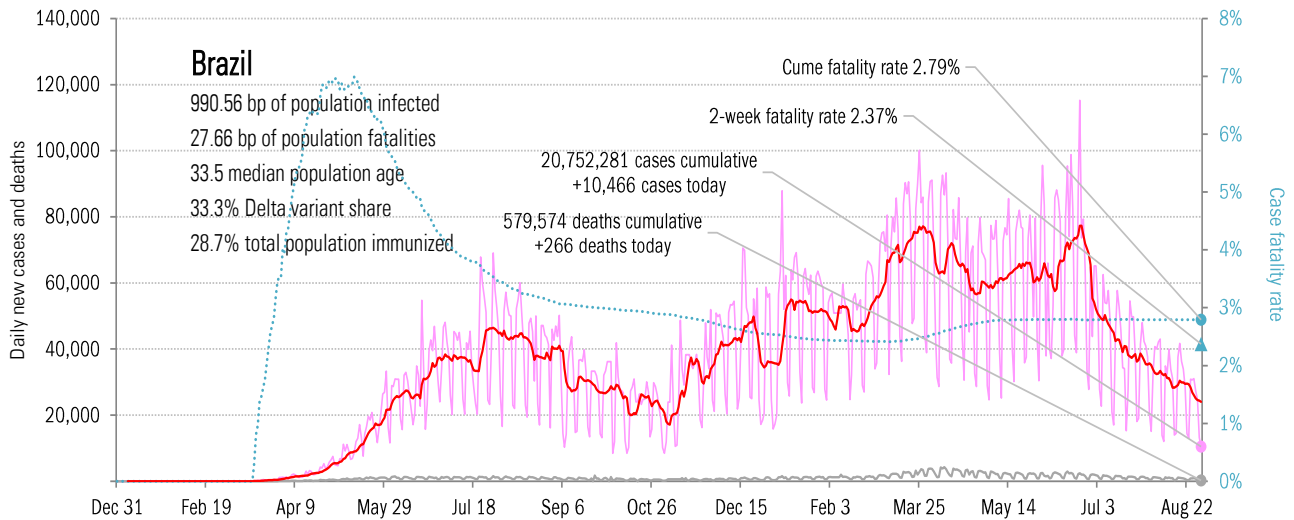
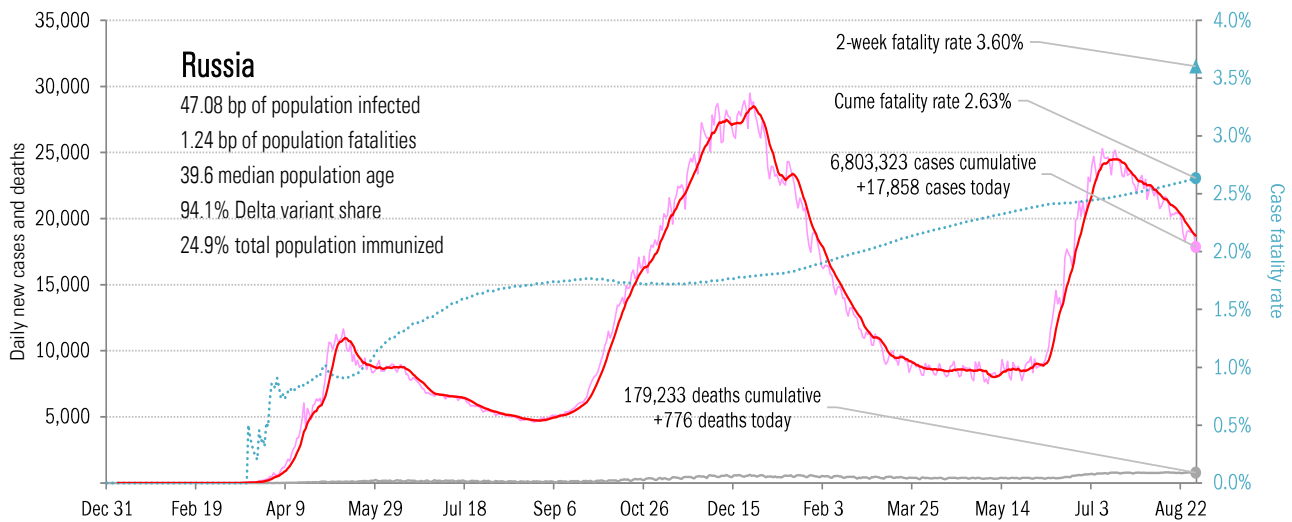
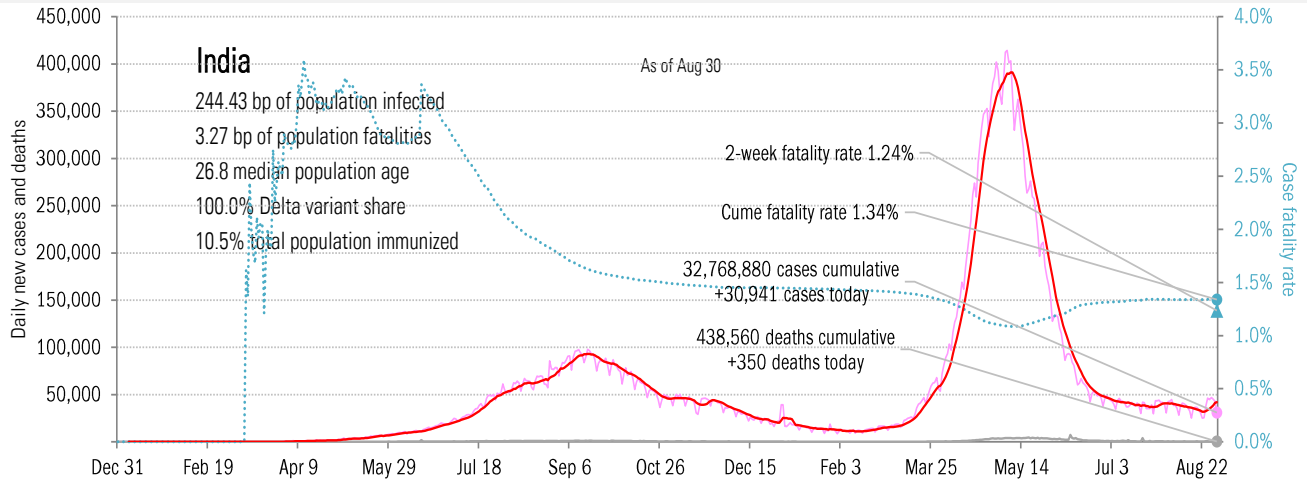
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

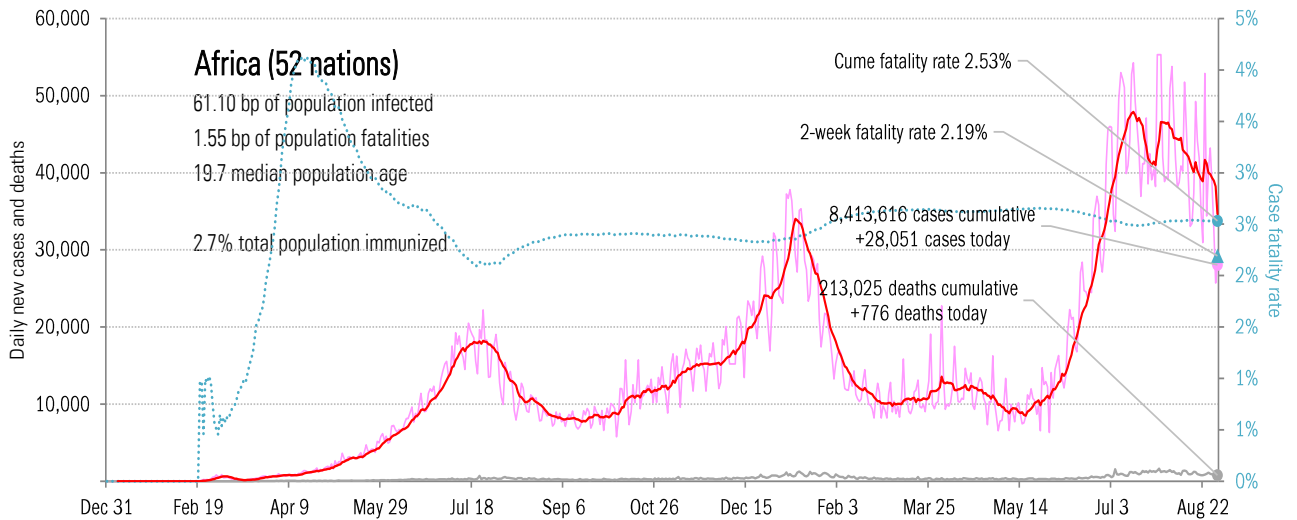
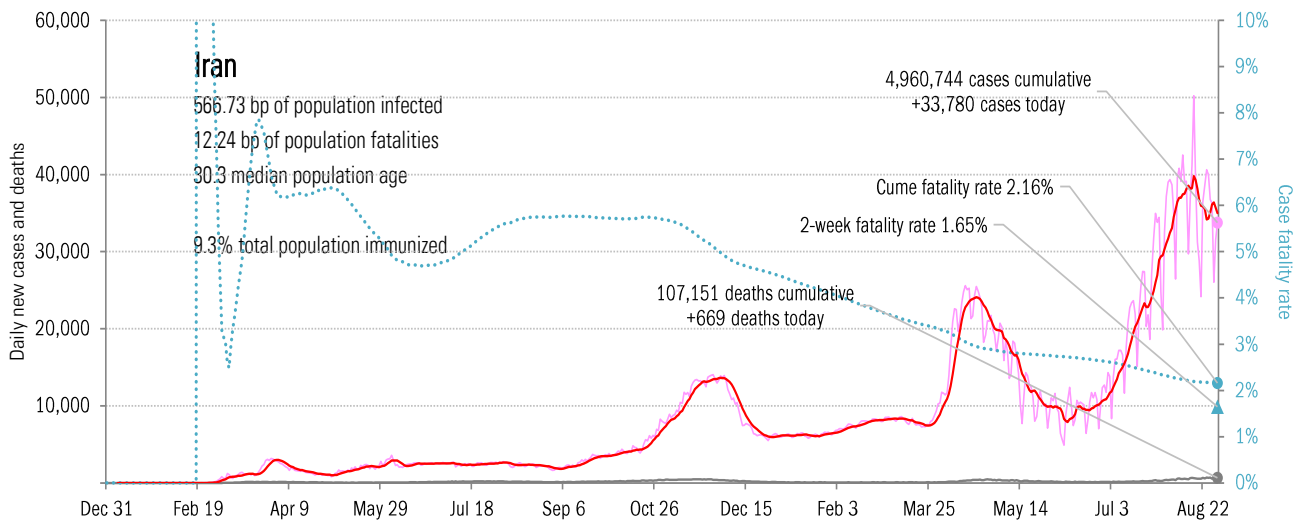
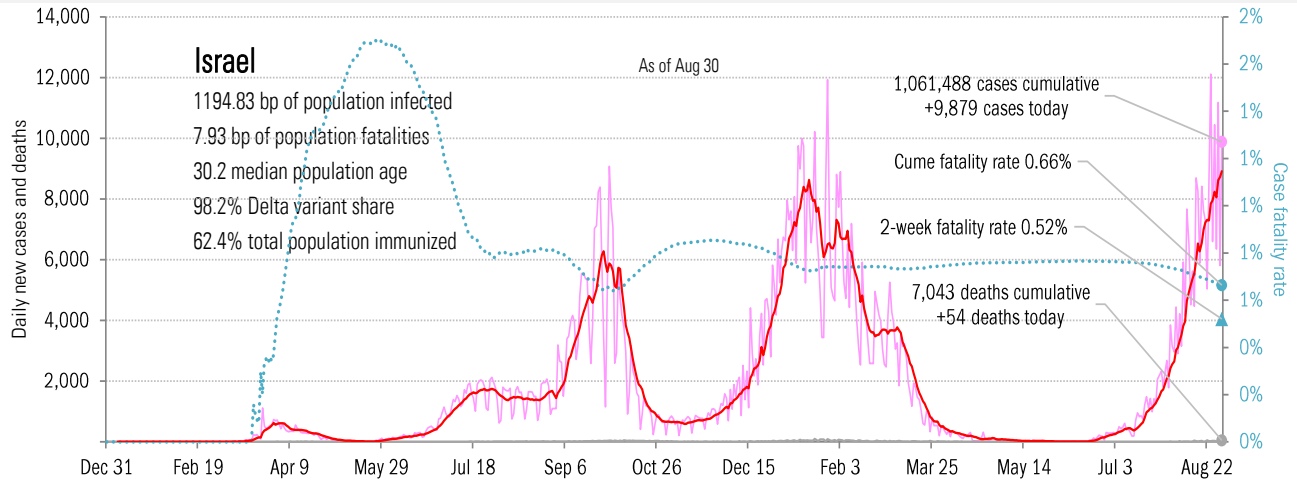
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

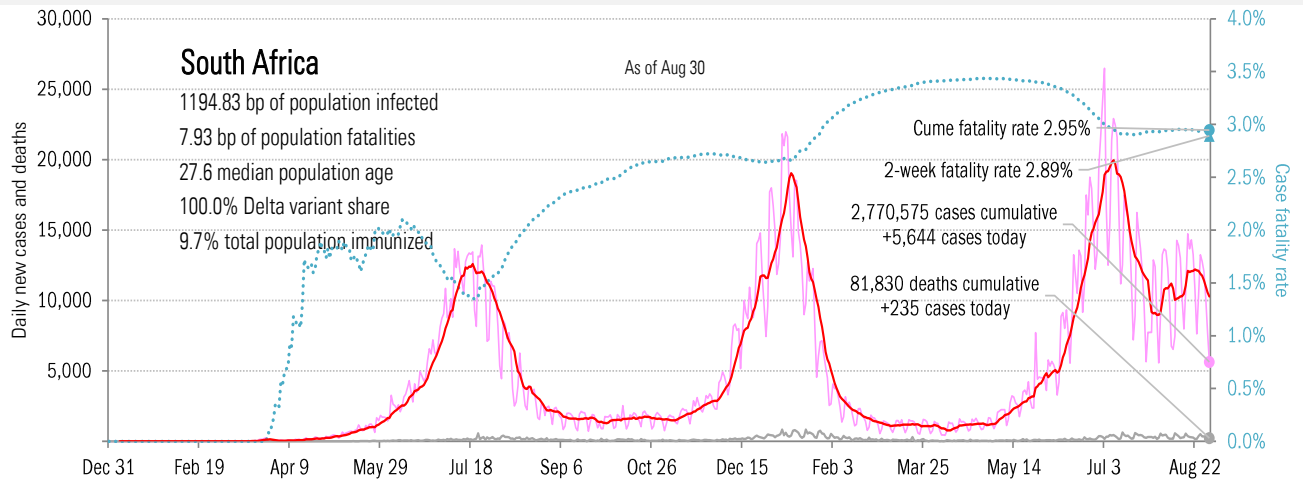
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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