

Data Insights: Covid-2019 Monitor

Saturday, August 27, 2022

The global scorecard

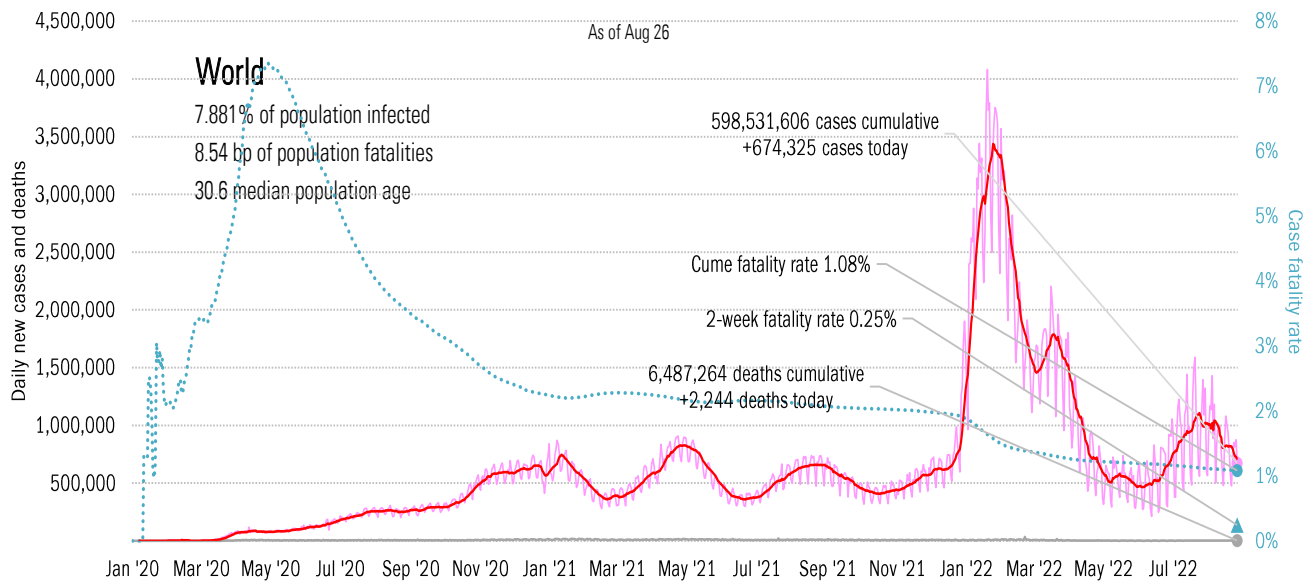
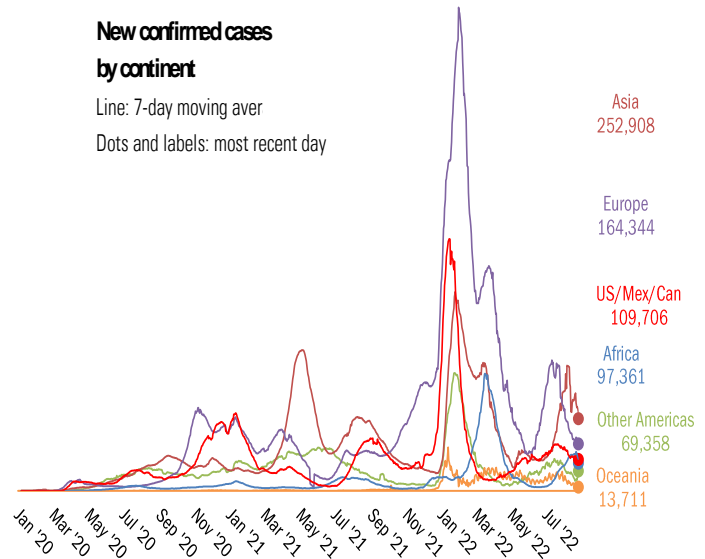
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	192,305	United States	711
United States	161,563	Japan	321
Korea, South	95,538	Spain	208
Russia	45,792	Brazil	164
Germany	33,226	Germany	101
Taiwan*	26,718	Italy	99
Italy	21,995	Australia	87
Brazil	18,270	Korea, South	86
France	18,116	Russia	79
Australia	11,177	France	51
624,700		1,907	
World	674,325	World	2,244
Top ten	93%	Top ten	85%

New confirmed cases by continent

Line: 7-day moving aver
Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

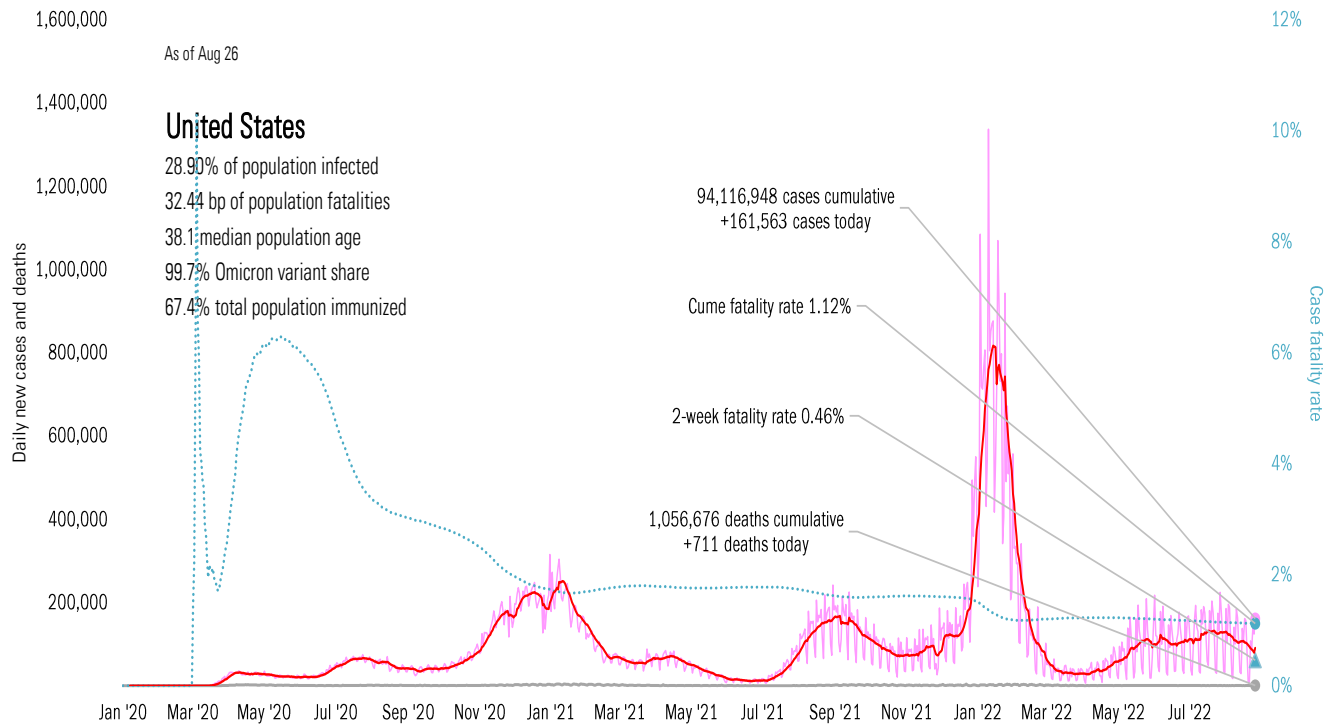
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
CA	31,771		CA	168		PA	247		CA	11,057,328		CA	94,812		TX	534,145		RI	89%	VT	88%								
PA	16,099		FL	79		KY	133		TX	7,812,221		TX	90,182		CA	485,978		MA	87%	AK	85%								
FL	12,440		TX	43		CA	569		FL	6,988,964		FL	79,450		FL	480,976		GA	86%	NC	83%								
TX	9,714		IN	33		IN	147		NY	5,968,690		NY	71,012		NY	289,648		WA	85%	AL	83%								
MA	8,796		WA	27		GA	263		IL	3,670,258		PA	46,596		GA	221,390		MO	84%	NE	82%								
MO	7,248		GA	23		NJ	171		PA	3,167,638		GA	39,632		CH	211,679		MN	84%	TX	82%								
KS	4,977		MO	23		AL	110		NC	3,088,923		CH	39,406		PA	197,596		MD	84%	WA	81%								
IN	4,831		VA	21		CT	74		CH	3,049,546		IL	39,284		IL	180,761		DE	83%	MS	81%								
NY	4,814		MI	19		CO	50		GA	2,852,706		MI	37,909		MI	157,457		AK	82%	GA	80%								
TN	4,418		IL	19		IA	62		MI	2,751,201		NJ	34,520		KY	141,807		DC	82%	MA	80%								
105,108			455			1,826			50,417,475			572,803			2,901,437														
All states			161,563			711			5,160			All states			94,116,948			1,056,676			5,263,947			All states		70%		67%	
Top ten			65%			64%			35%			Top ten			54%			55%			55%			Median		77%		74%	

Some states not reporting

Five most improved US states

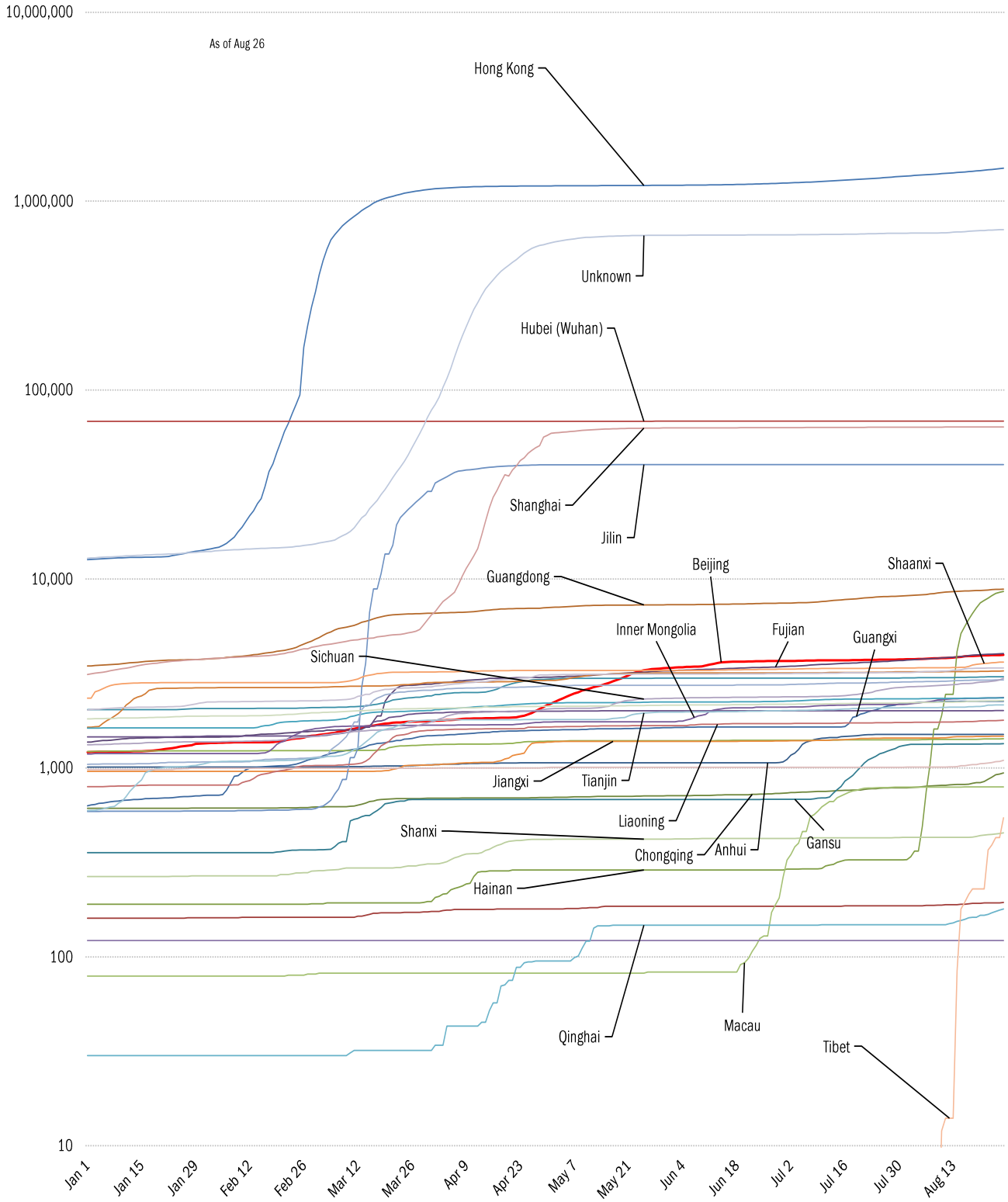
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
IL	-1,316	WA	-16	NY	-81
NY	-1,117	IL	-11	MN	-40
IN	-874	NY	-8	WA	-35
WI	-476	NJ	-7	OK	-28
WA	-392	NE	-4	MO	-27



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

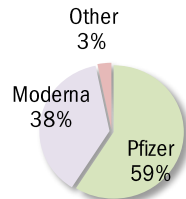


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	624,295,607		+0.198 million	US	67.4%	79.1%
of which boosters	110,660,827		+0.048 million	UK	75.3%	79.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	270,806,258	81%	230,434,360	69%	+0.034 million	France 78.7% 80.9%
Age 12 to 17	18,123,872	72%	15,482,720	61%	+0.003 million	Spain 85.6% 86.9%
Age 18 to 64	180,801,270	89%	153,587,488	76%	+0.015 million	Germany 76.1% 77.6%
Age 65 and over	59,698,554	100%	52,224,169	95%	+0.004 million	Italy 81.0% 85.8%
						Australia 83.9% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 86.3%
						Japan 82.4% 83.5%
						Africa 21.7% 27.6%
						India 66.8% 72.8%
						Brazil 80.0% 87.0%
						China 89.0% 91.3%



AK	71.4%
	63.3%

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

"Immunity" = two doses



WI	73.2%
	66.6%

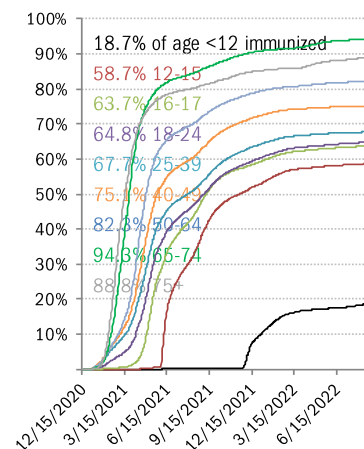
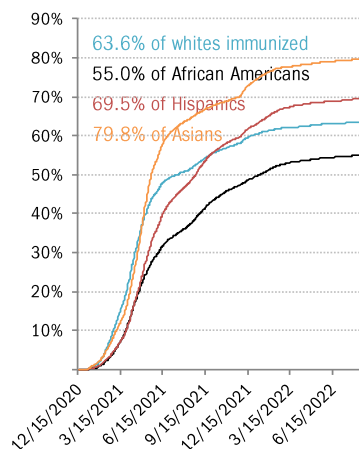
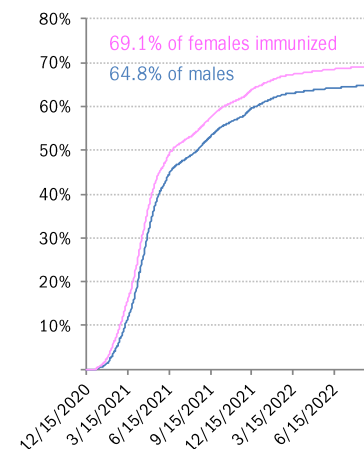
As of Aug 25

ME	93.1%
	81.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
82.7%	62.4%	66.4%	66.9%	76.7%	77.2%	68.0%	91.9%	95.0%	90.5%	
73.7%	55.1%	57.8%	56.6%	70.3%	69.5%	61.1%	78.4%	82.7%	72.3%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.3%	76.9%	59.2%	79.1%	69.1%	63.1%	64.4%	87.4%	92.3%	95.0%	
70.7%	61.9%	51.8%	63.6%	62.9%	56.8%	59.3%	70.5%	77.1%	80.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.0%	73.6%	81.3%	71.6%	67.6%	67.4%	66.2%	87.7%	88.8%	95.0%	95.0%
73.4%	65.3%	71.5%	64.7%	57.3%	58.4%	58.6%	74.5%	77.2%	80.7%	84.8%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
75.4%	90.3%	74.1%	68.1%	63.3%	87.2%	69.3%	95.0%	85.2%		
63.1%	72.7%	63.3%	55.5%	55.4%	63.4%	58.3%	78.6%	70.8%		
OK	LA	MS	AL	GA						
72.6%	62.0%	60.8%	63.9%	66.9%						
58.6%	54.3%	52.9%	52.1%	56.0%						
TX										
74.4%										
61.6%										
HI										
89.4%										
79.7%										
FL										
80.8%										
68.1%										
PR										
95.0%										
84.3%										

Global data differs due to sources, timing

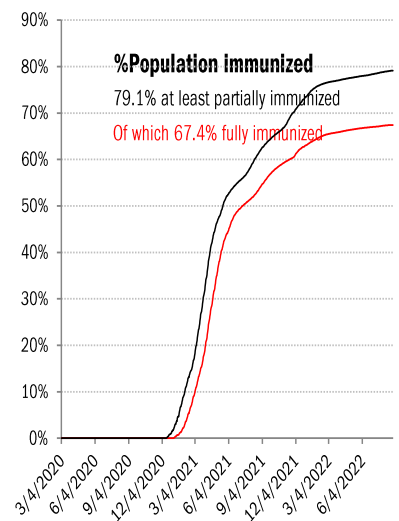
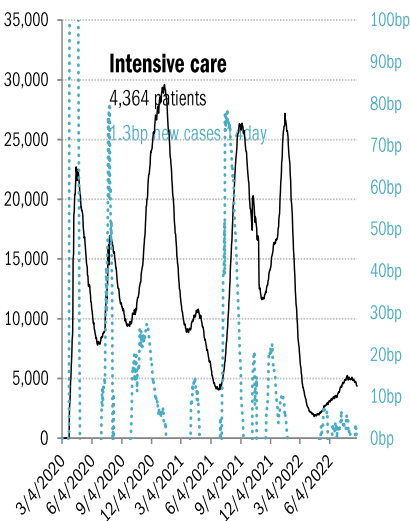
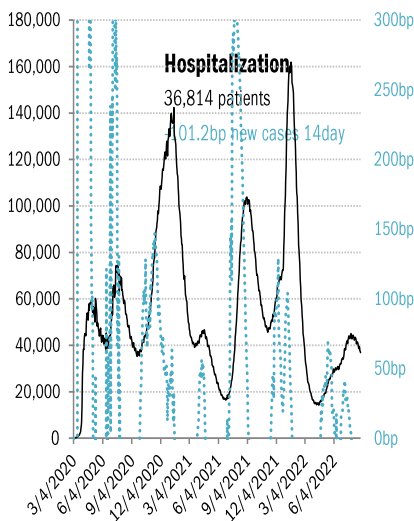
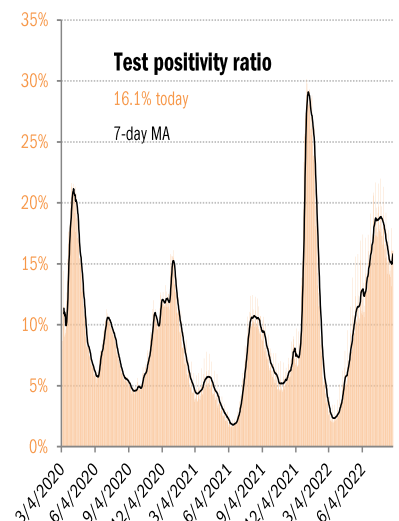
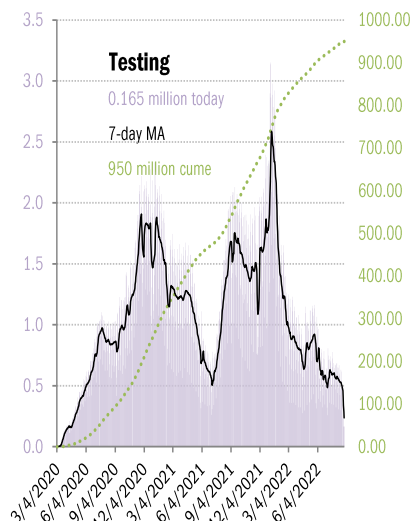
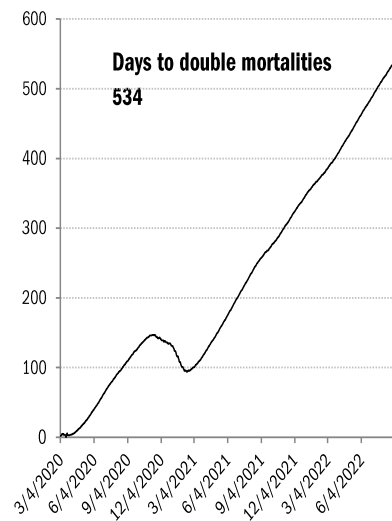
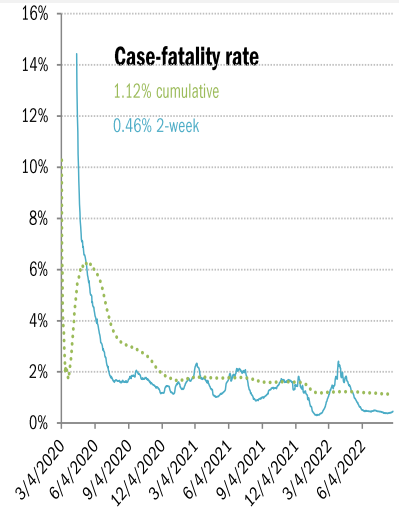
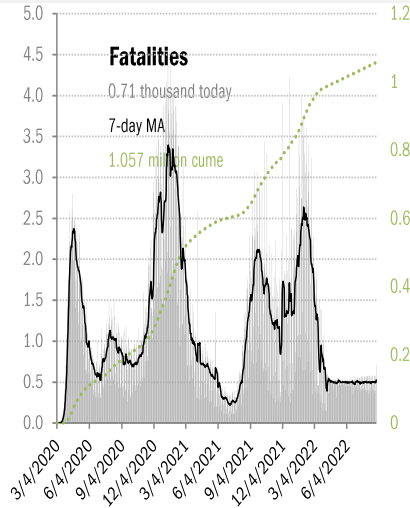
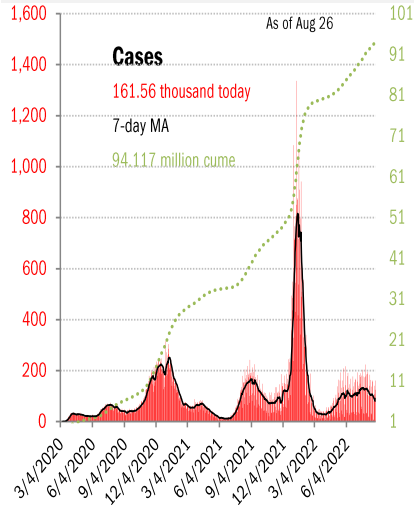
The demographics of US vaccination



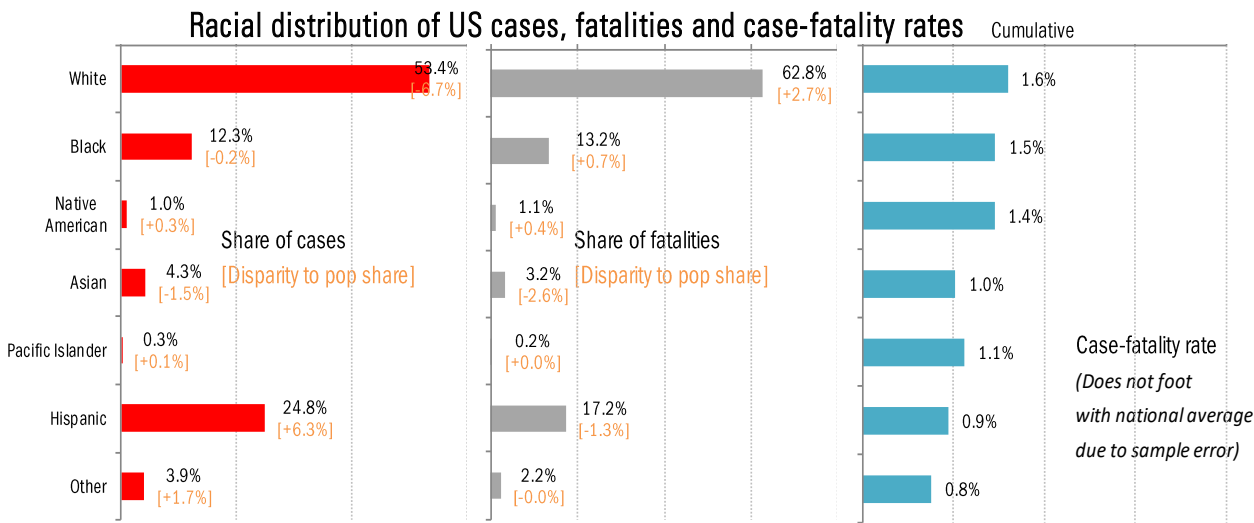
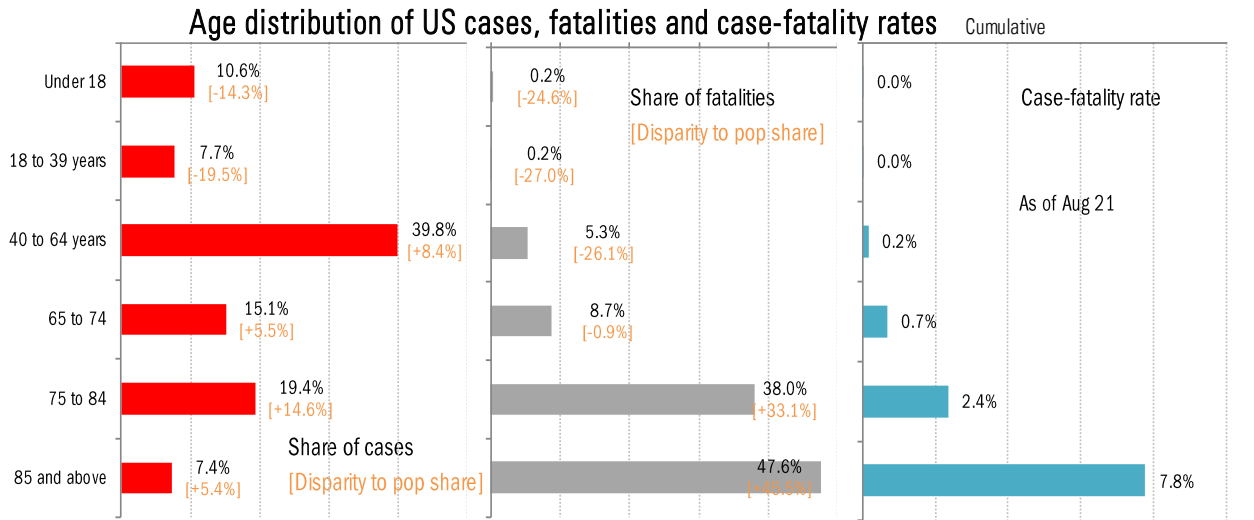
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

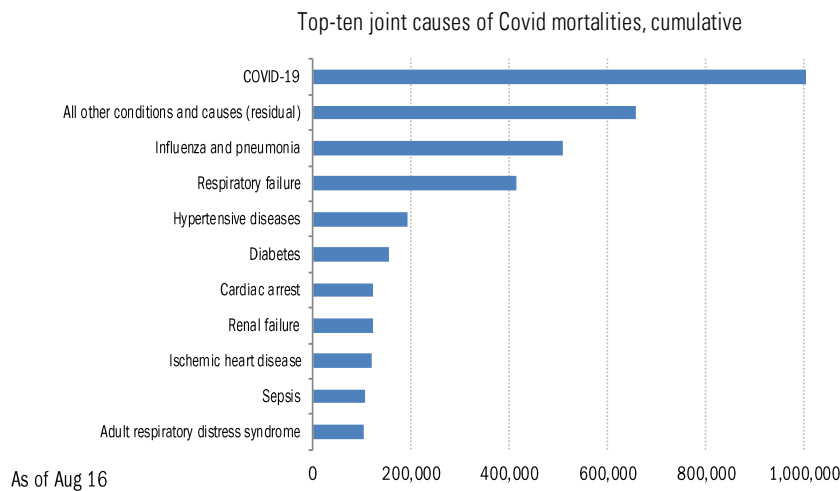
National and state-by-state data do not line up because of different sources



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.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Nate Silver: 'Liberal elites' pressured Pfizer to delay vaccine until after 2020 election](#)

Ariel Zilber
New York Post
August 25, 2022

[The West Needs a Covid Lockdown Debate](#)

Wall Street Journal
August 25, 2022

Meme of the day

Bramhall '22
NYDN

RETIRING:
INFECTIOUS
DISEASE
EXPERT

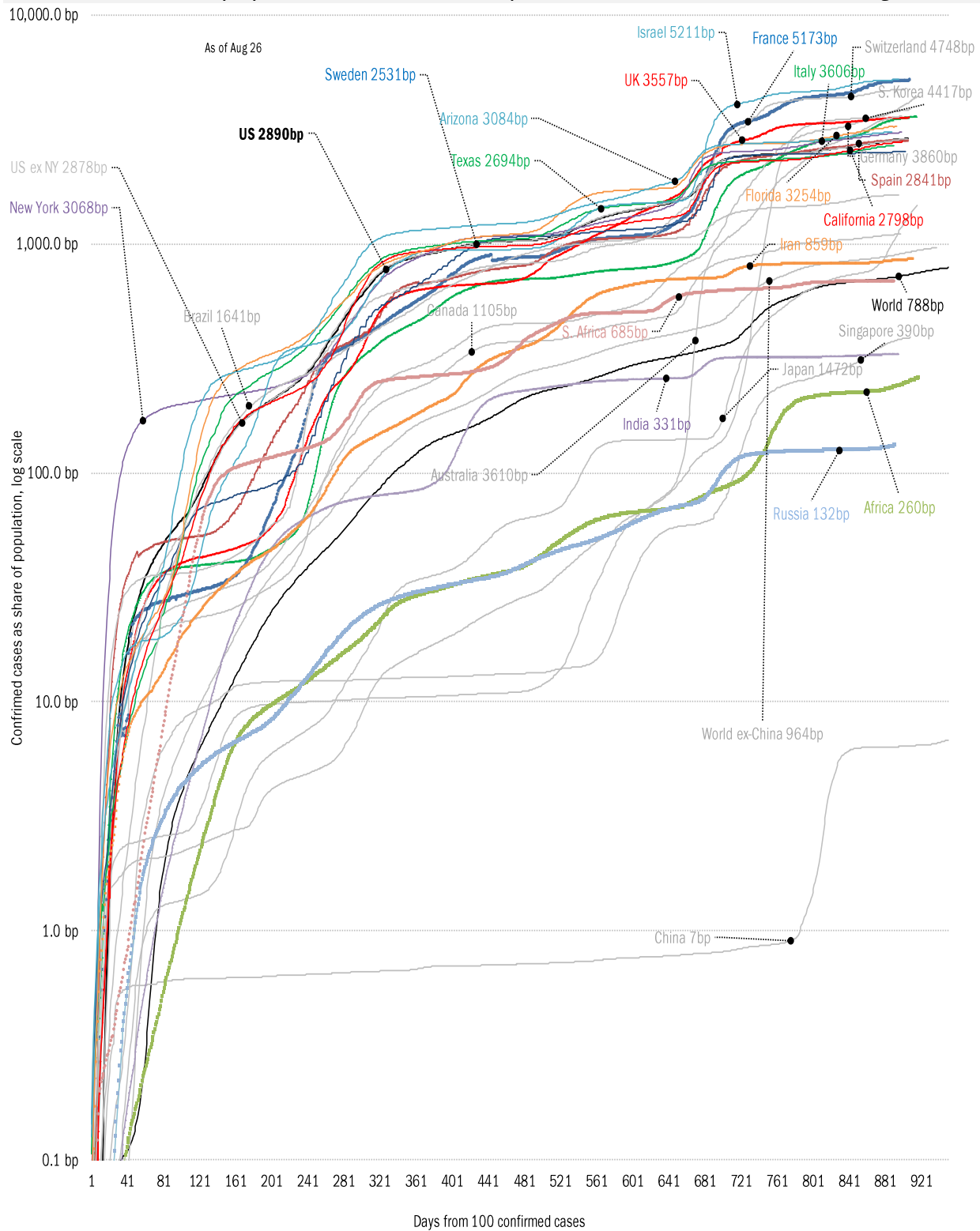


STICKING AROUND:
INFECTIOUS
DISEASE



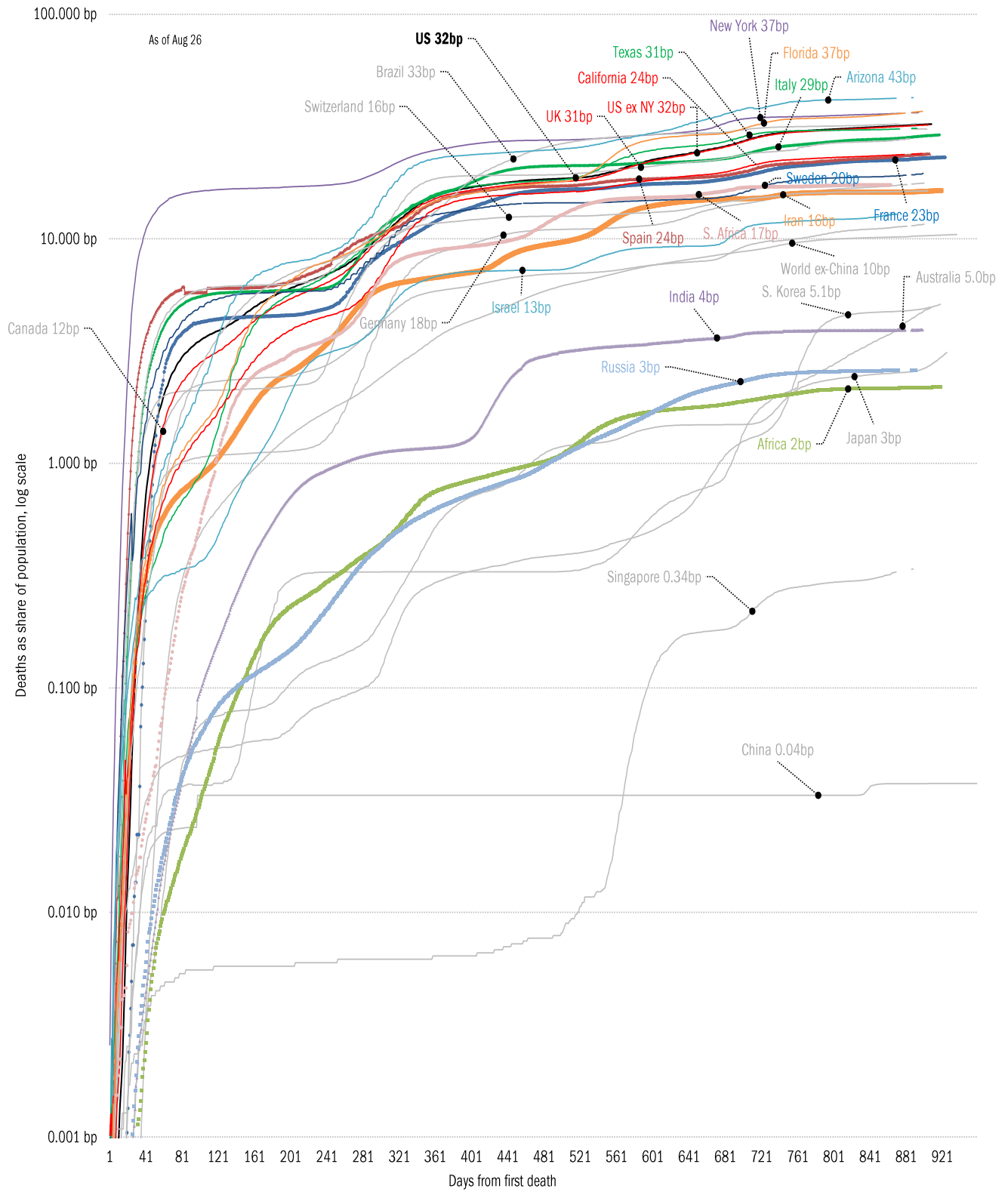
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

The global 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 global 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

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

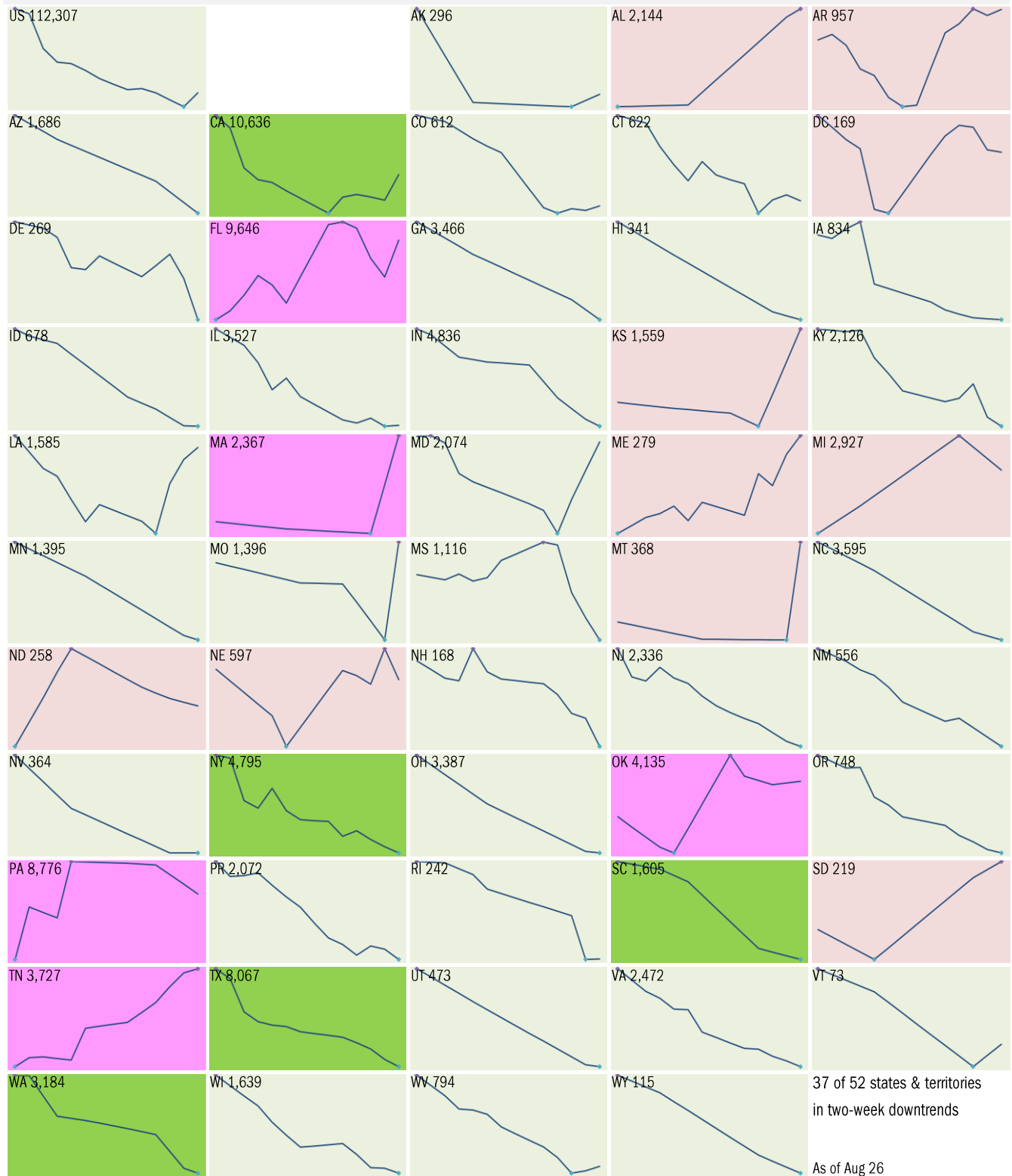


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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

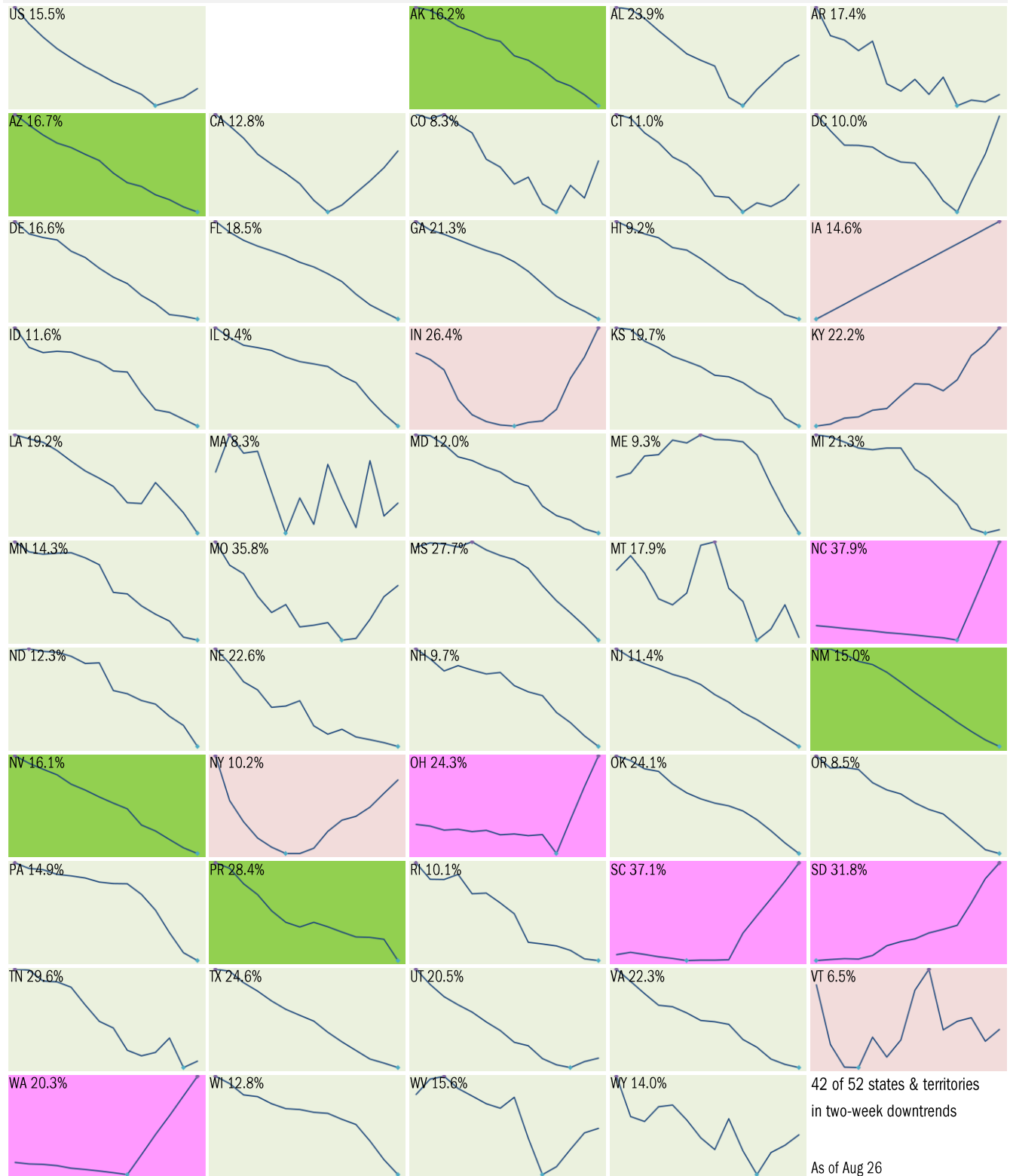


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

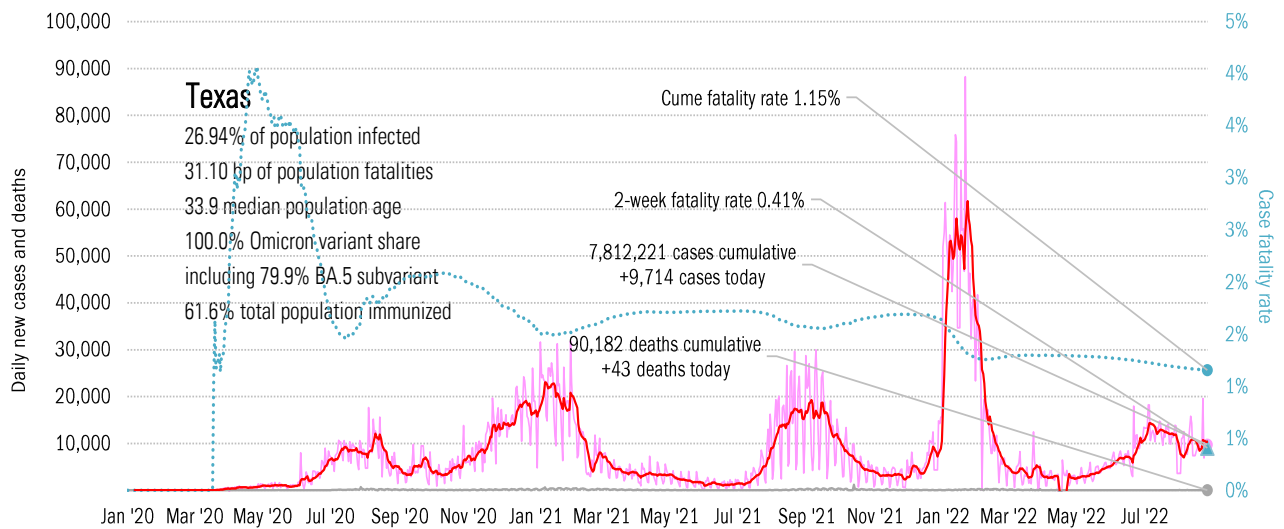
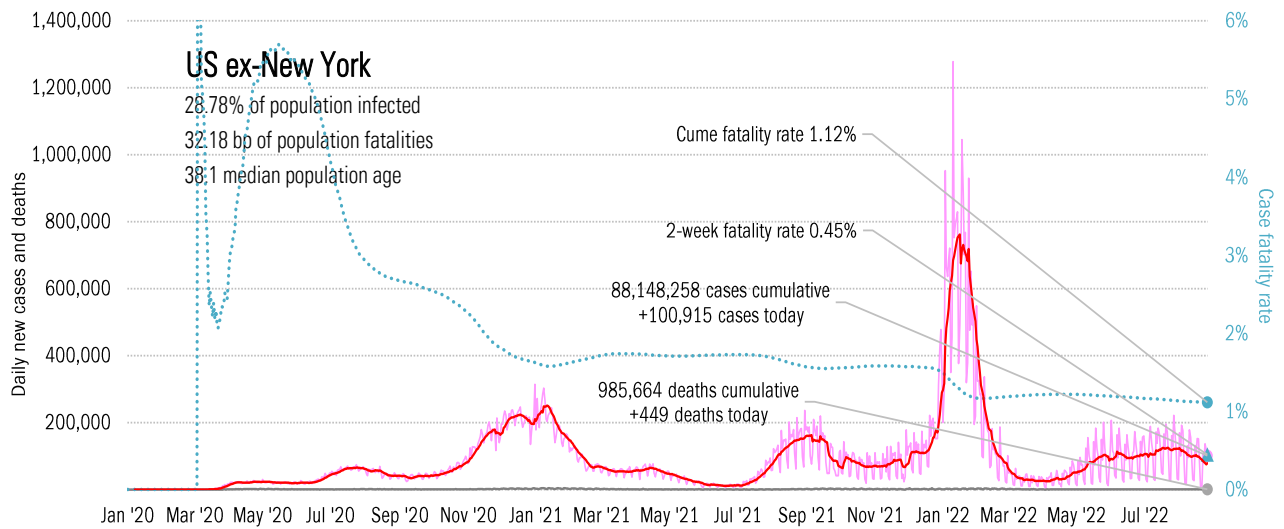
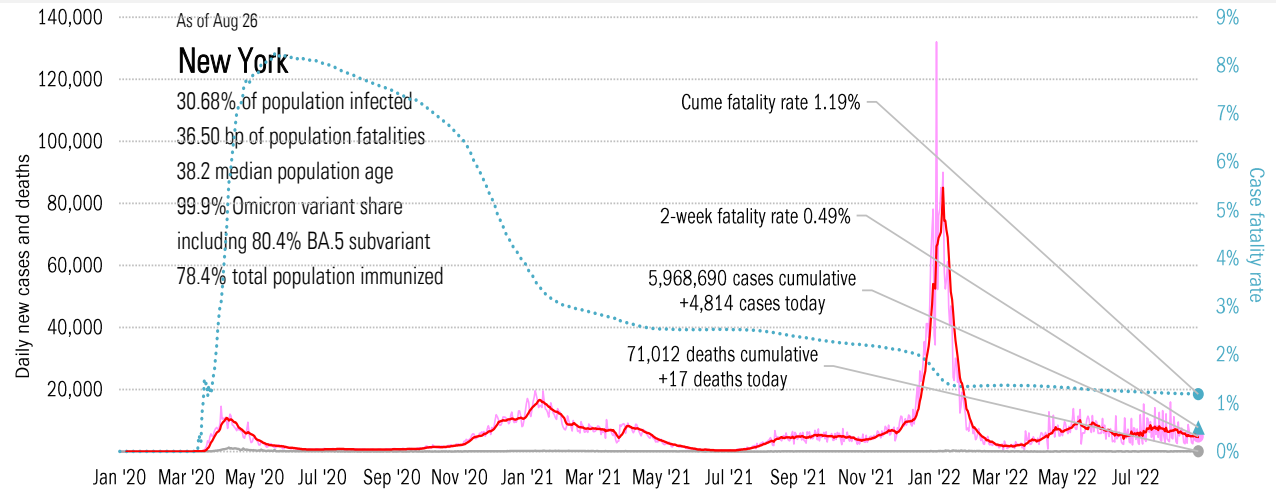
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

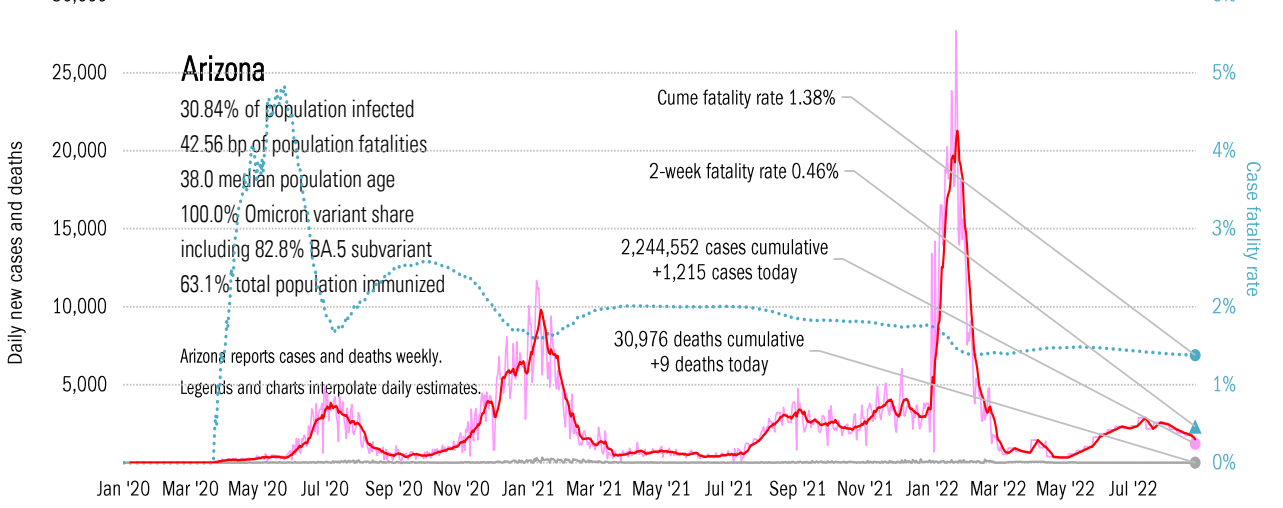
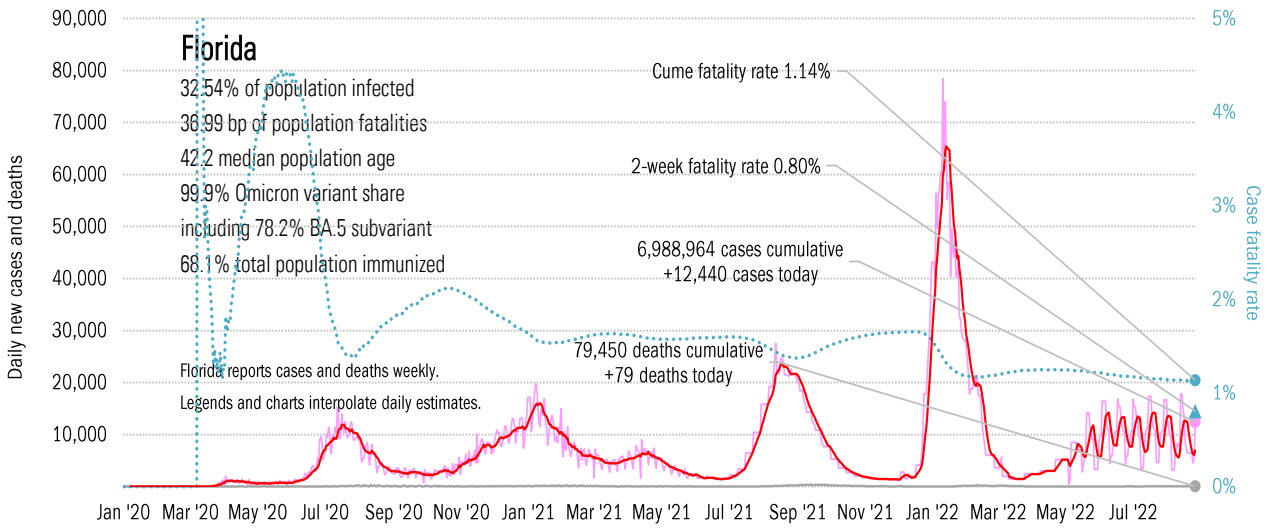
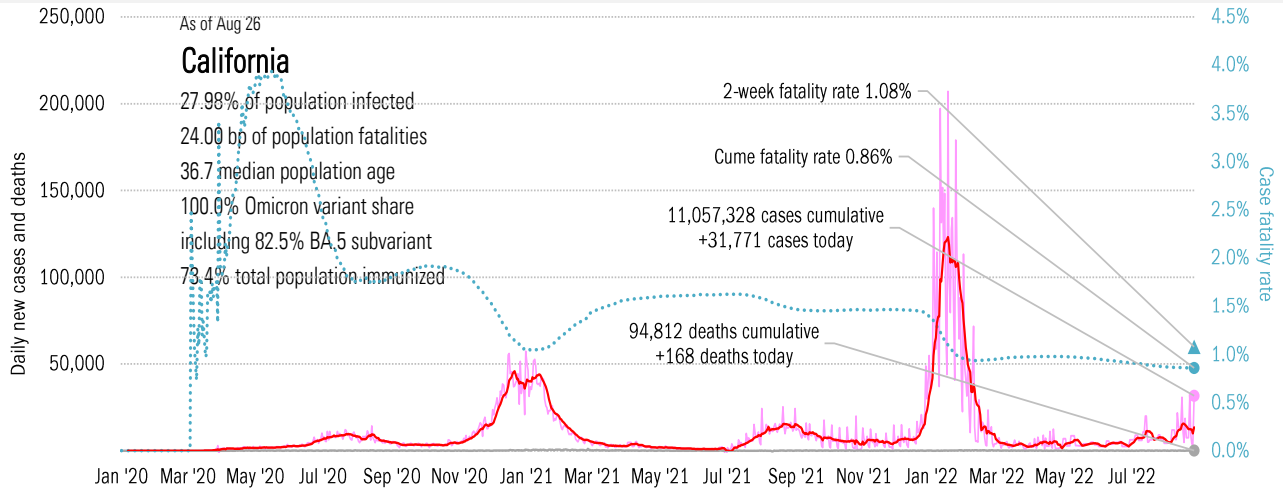
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

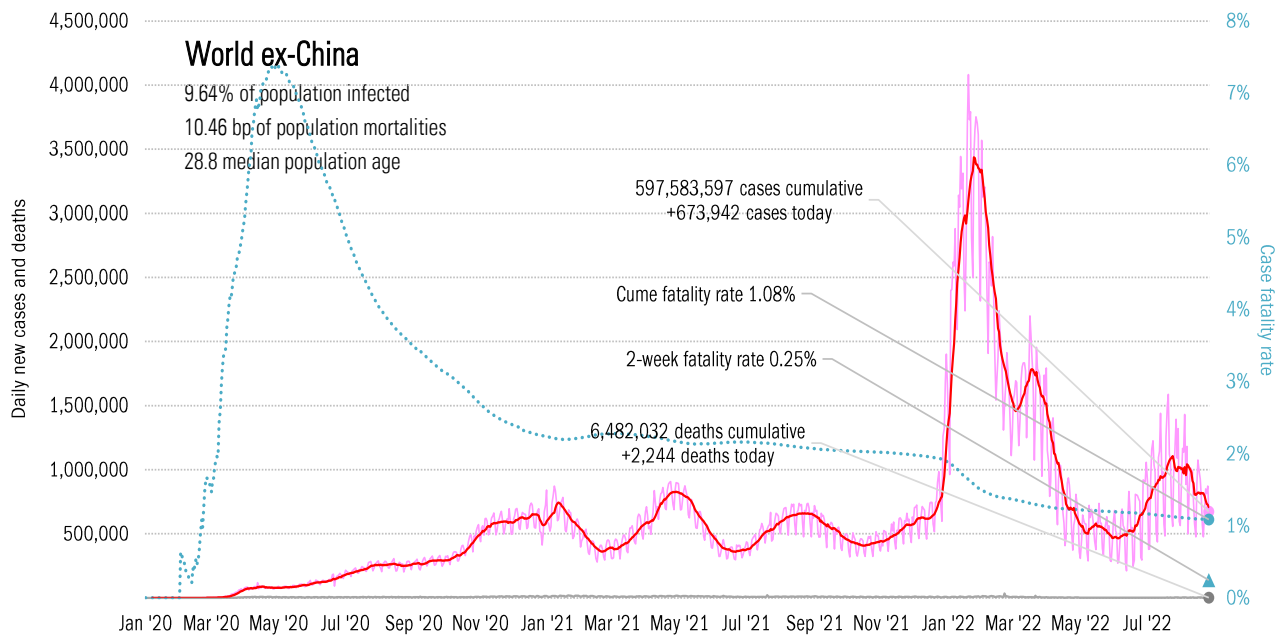
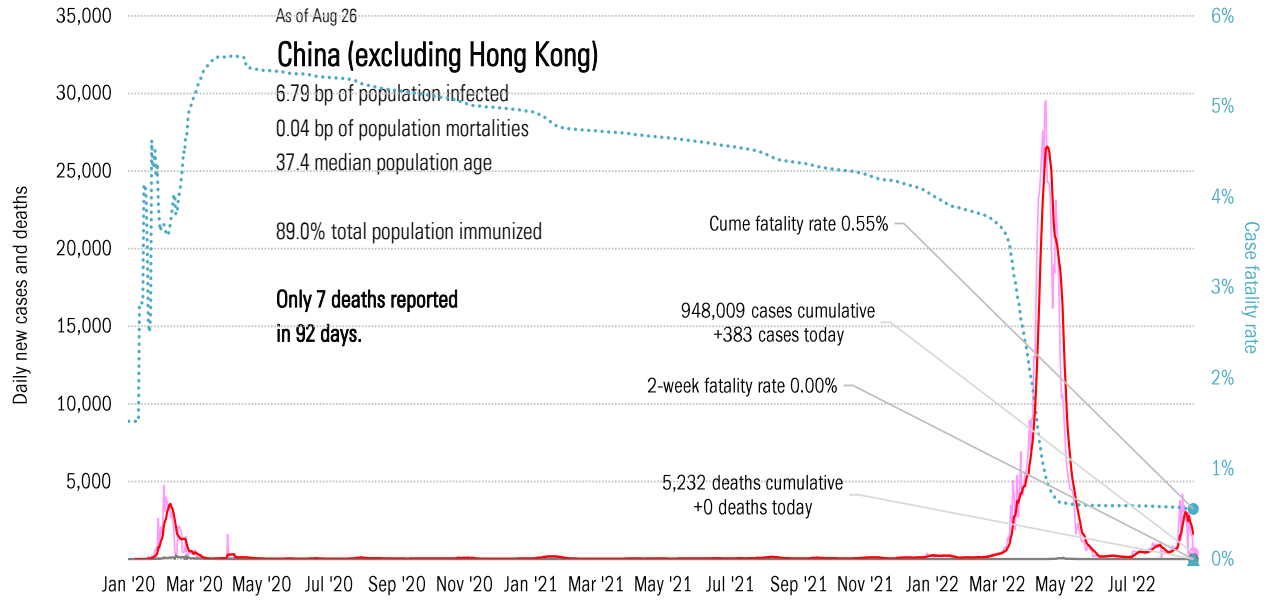
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

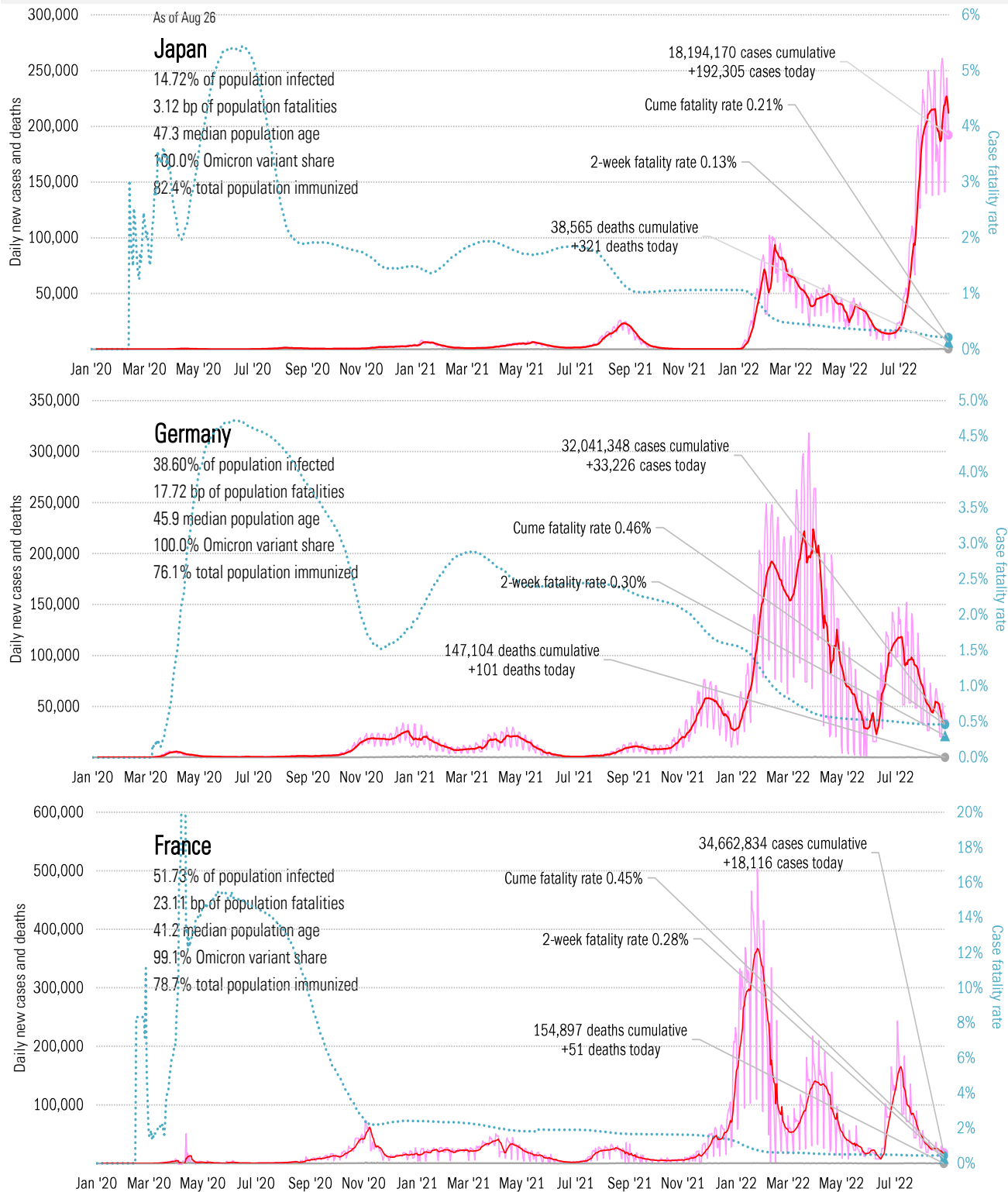
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

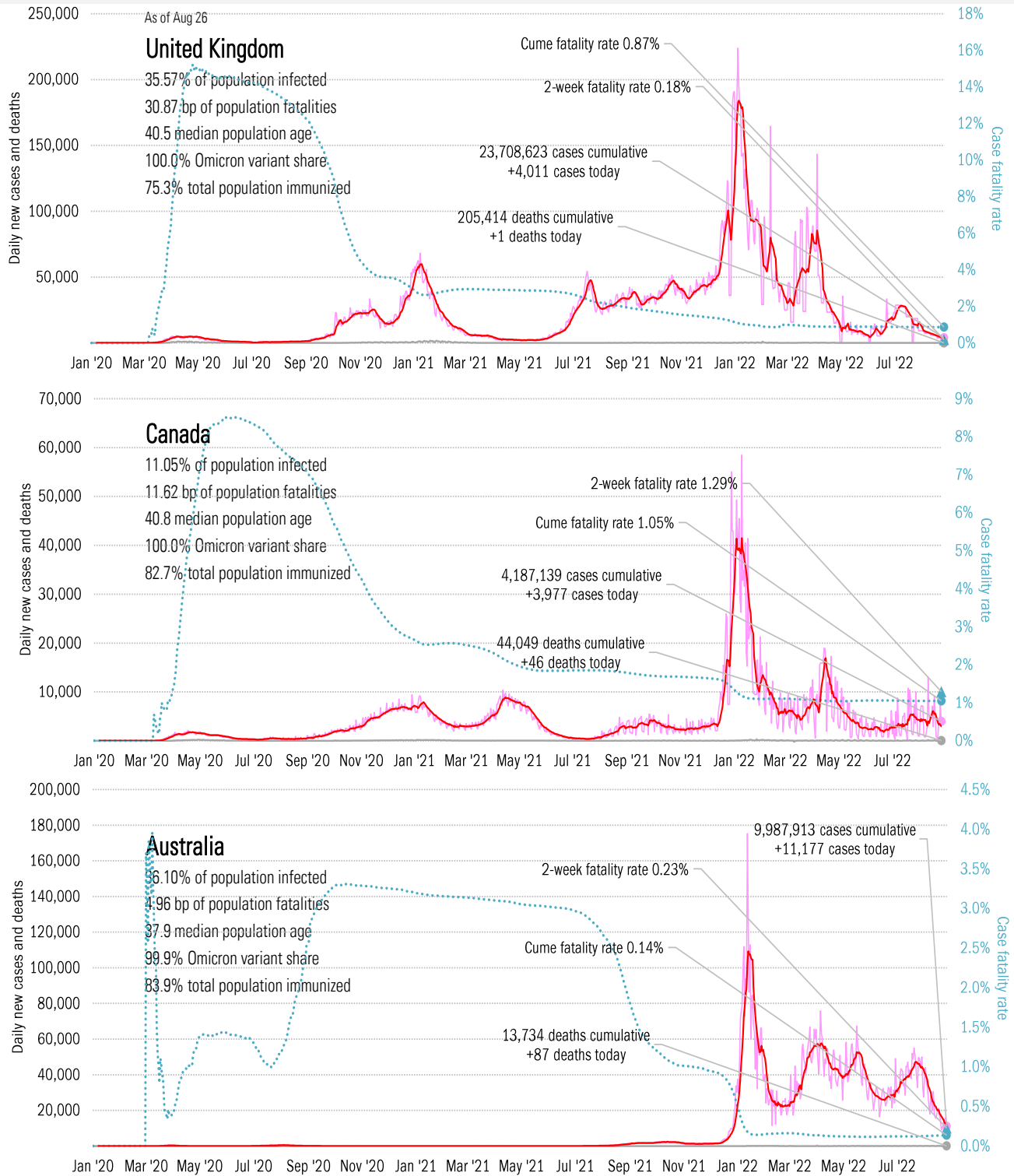
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

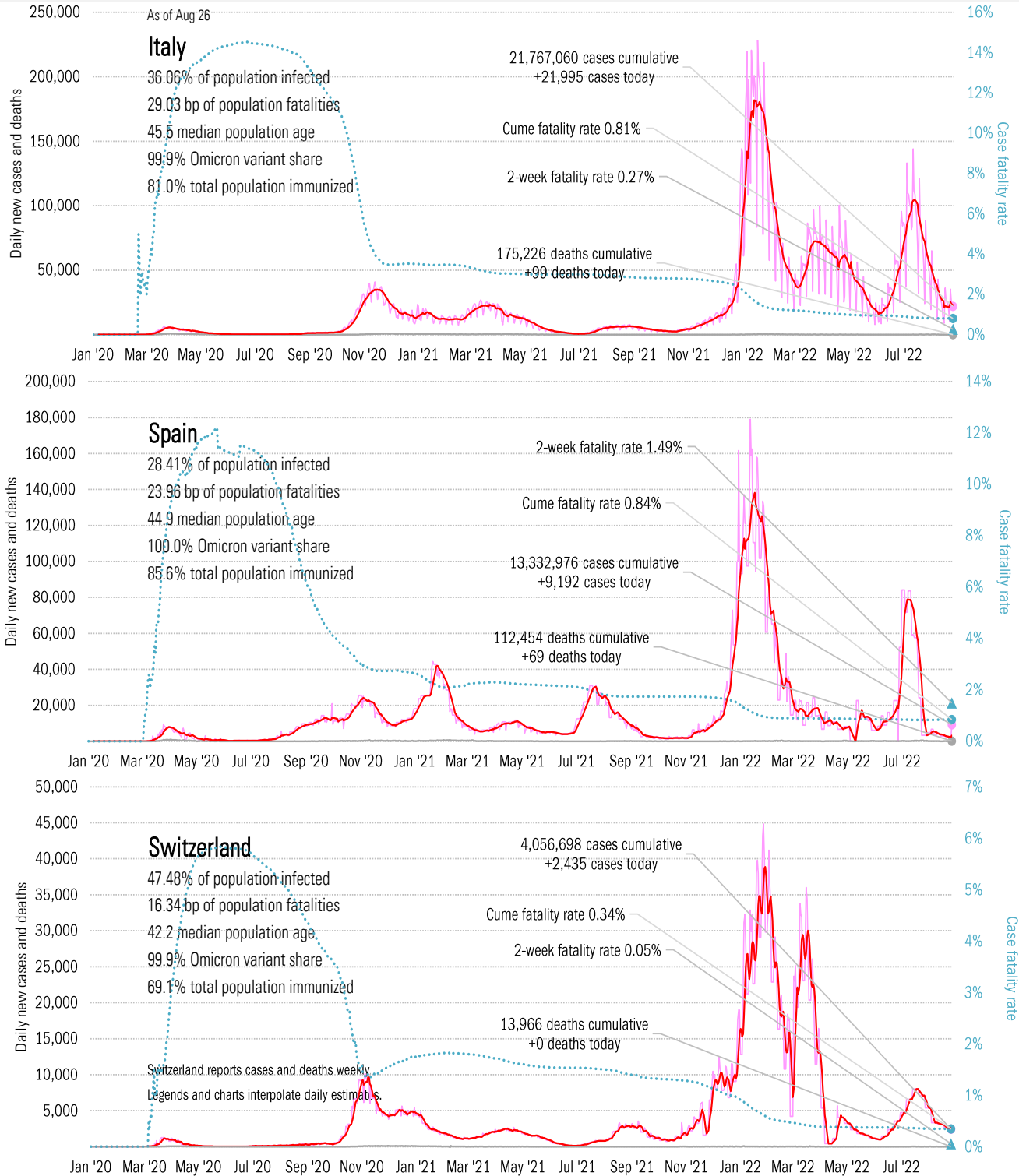
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

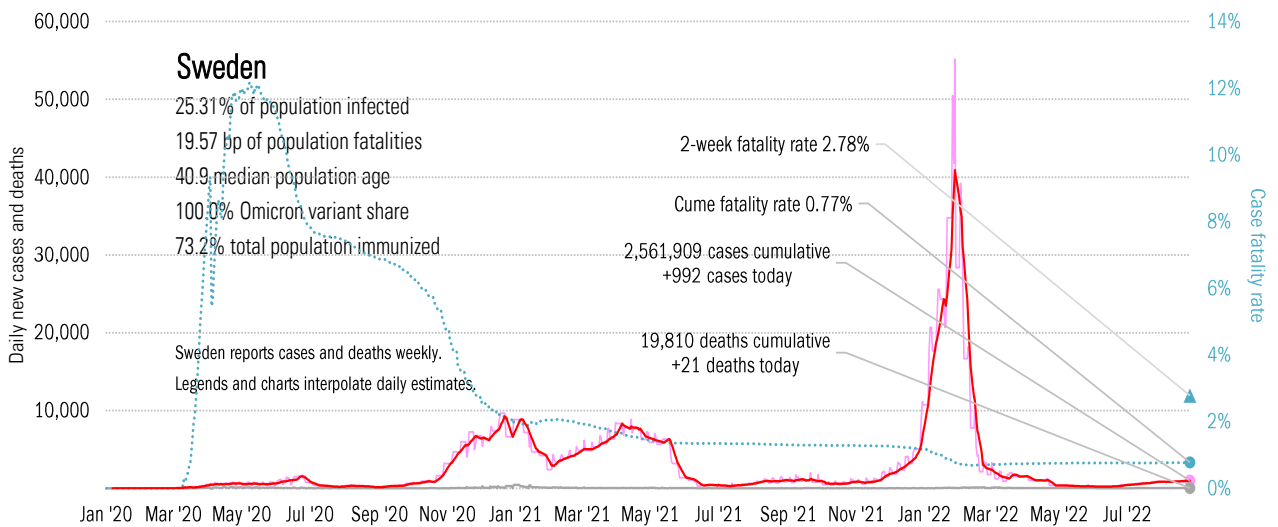
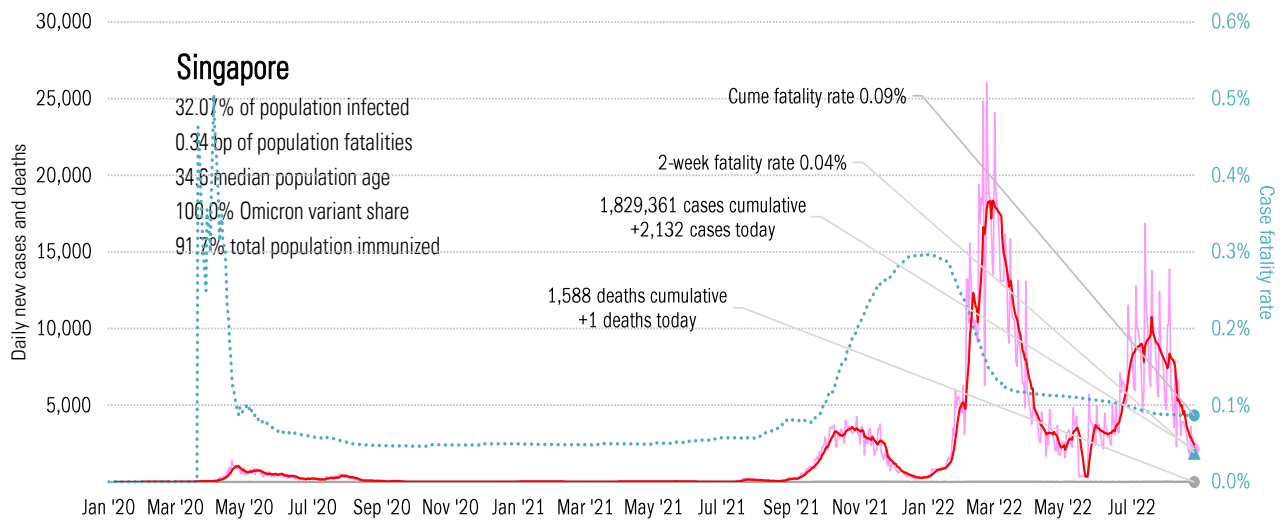
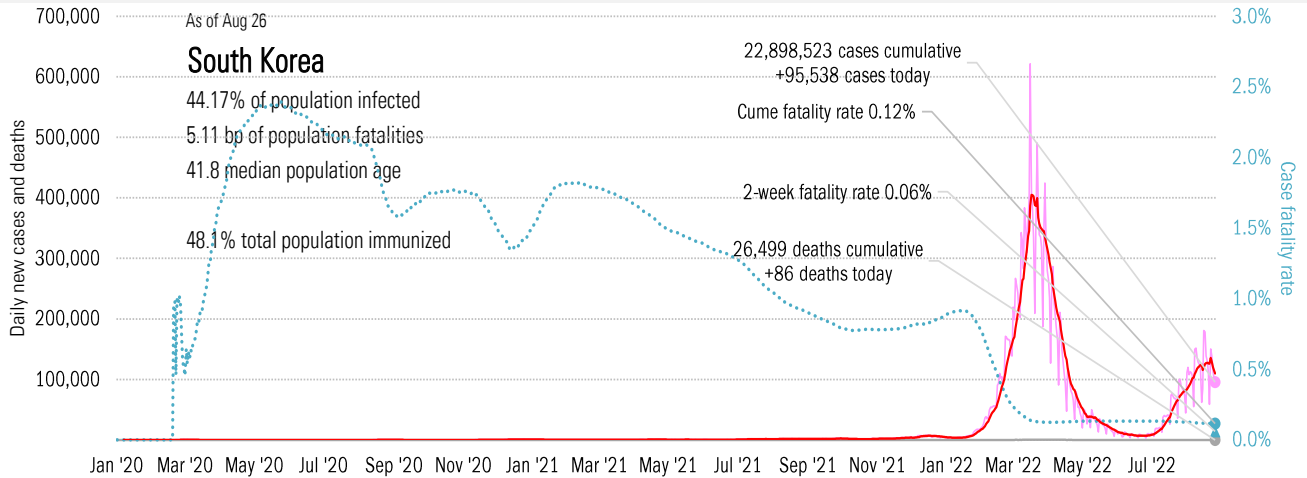
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

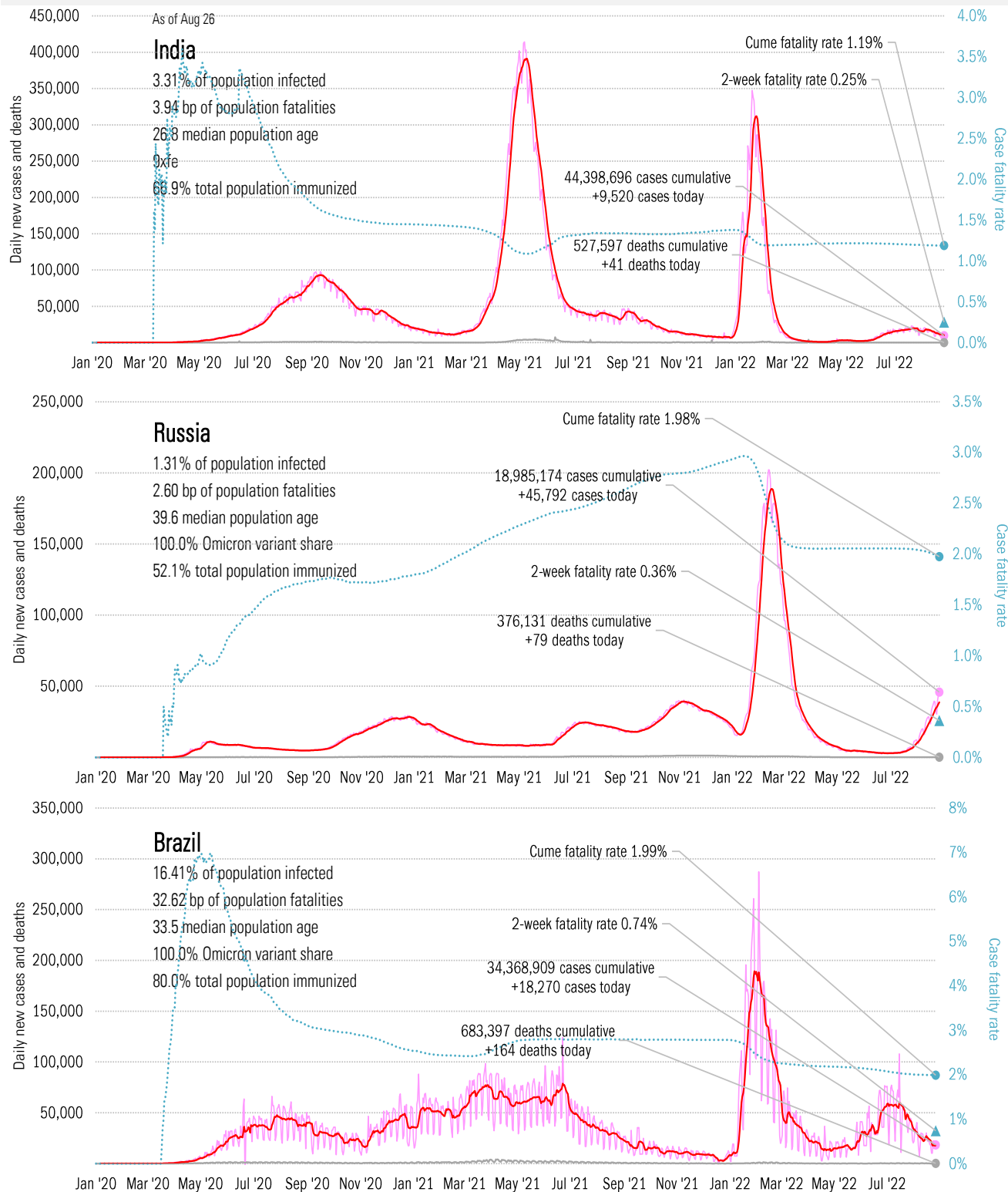
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

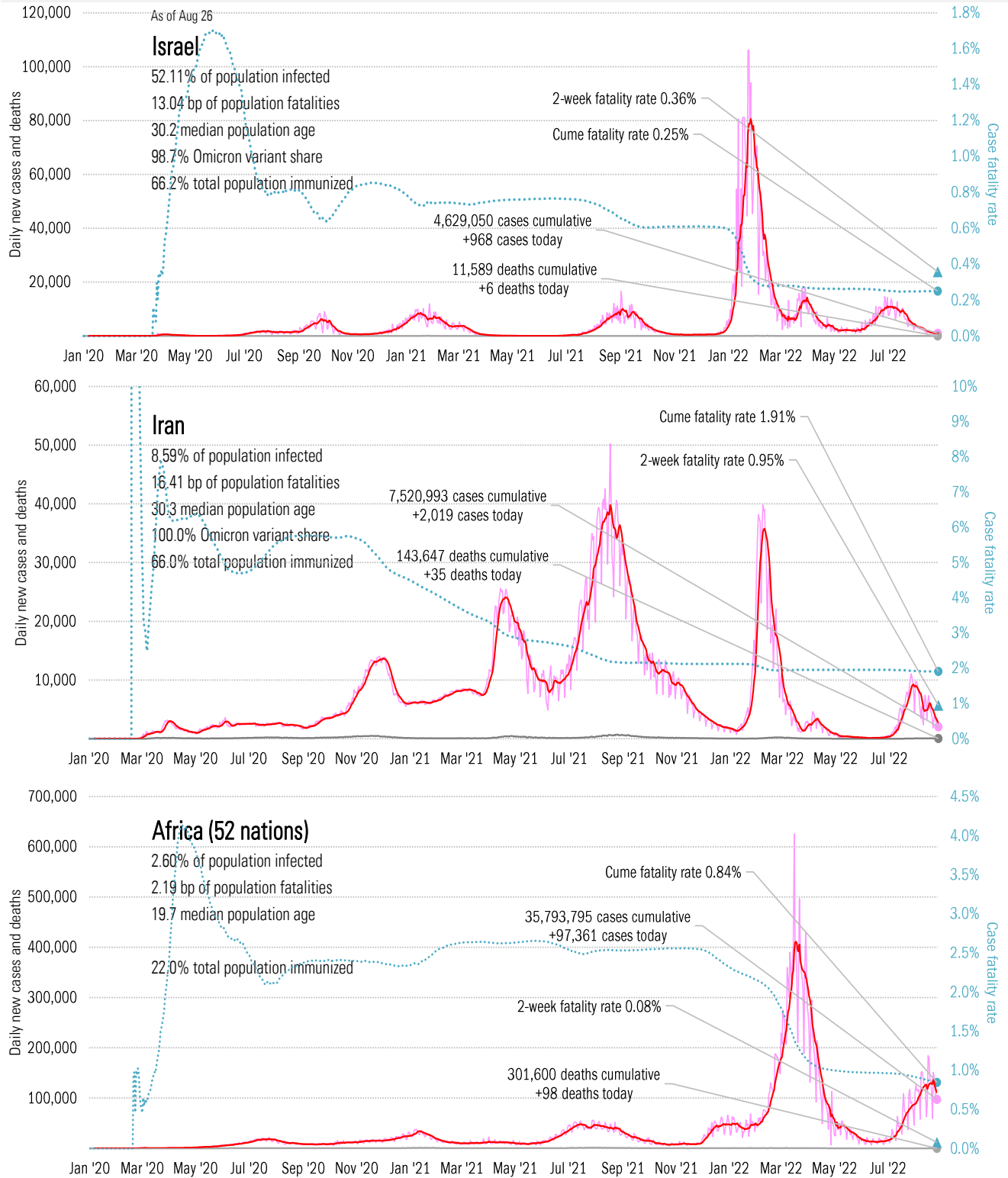
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

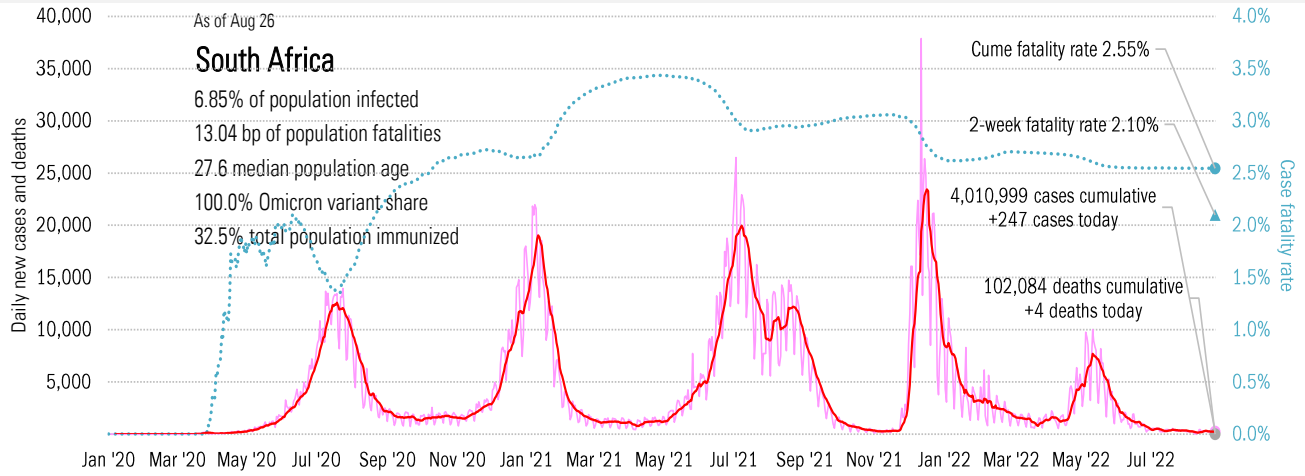
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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