

Data Insights: Covid-2019 Monitor

Thursday, August 25, 2022

The global scorecard

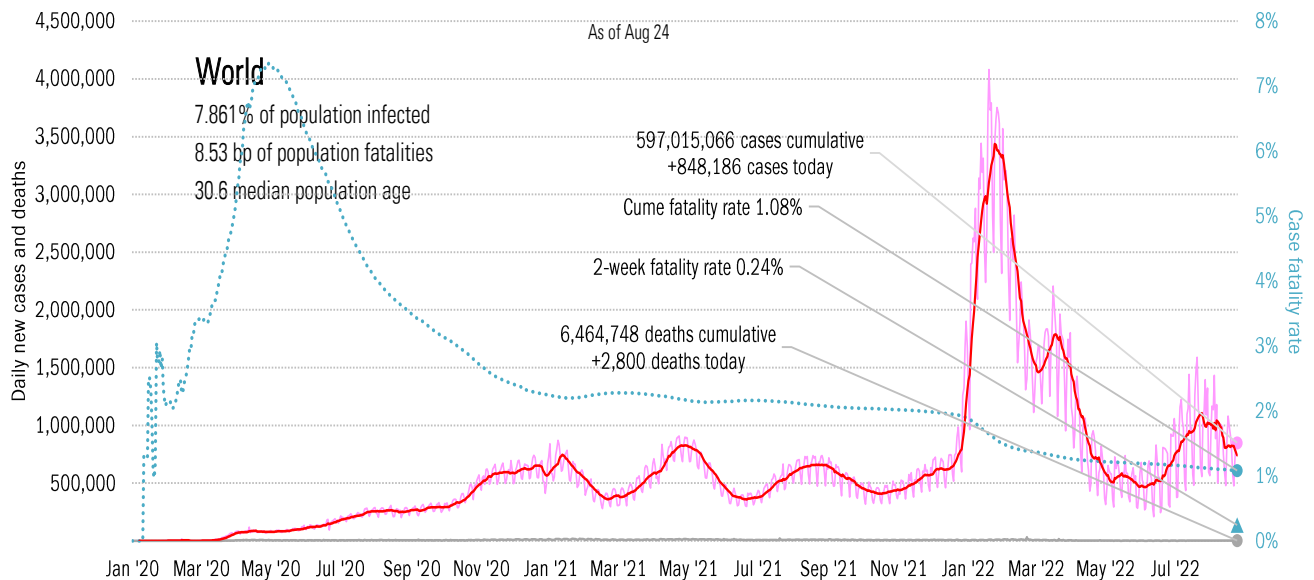
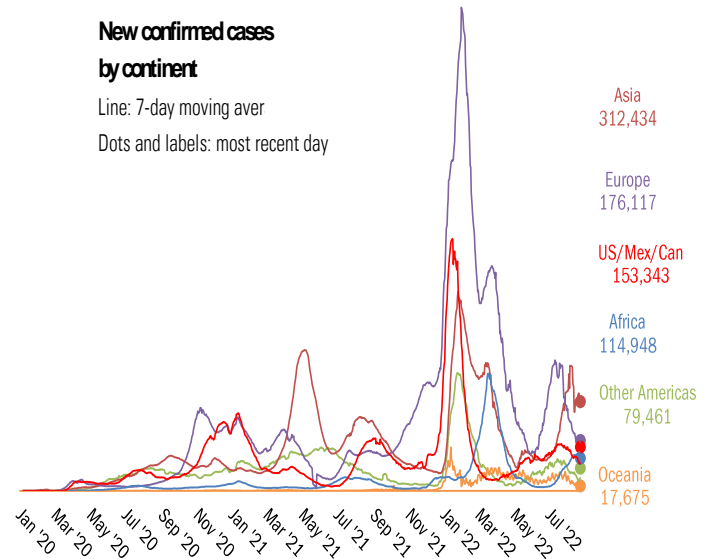
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	243,382	United States	708
Korea, South	113,281	Brazil	527
United States	111,093	Japan	301
Brazil	44,736	Italy	112
Russia	39,689	Hungary	108
United Kingdom	32,717	Korea, South	108
Taiwan*	28,531	Canada	82
Italy	25,388	Russia	71
France	21,425	France	57
Hungary	14,742	Mexico	51
674,984		2,125	
World	848,186	World	2,800
Top ten	80%	Top ten	76%

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

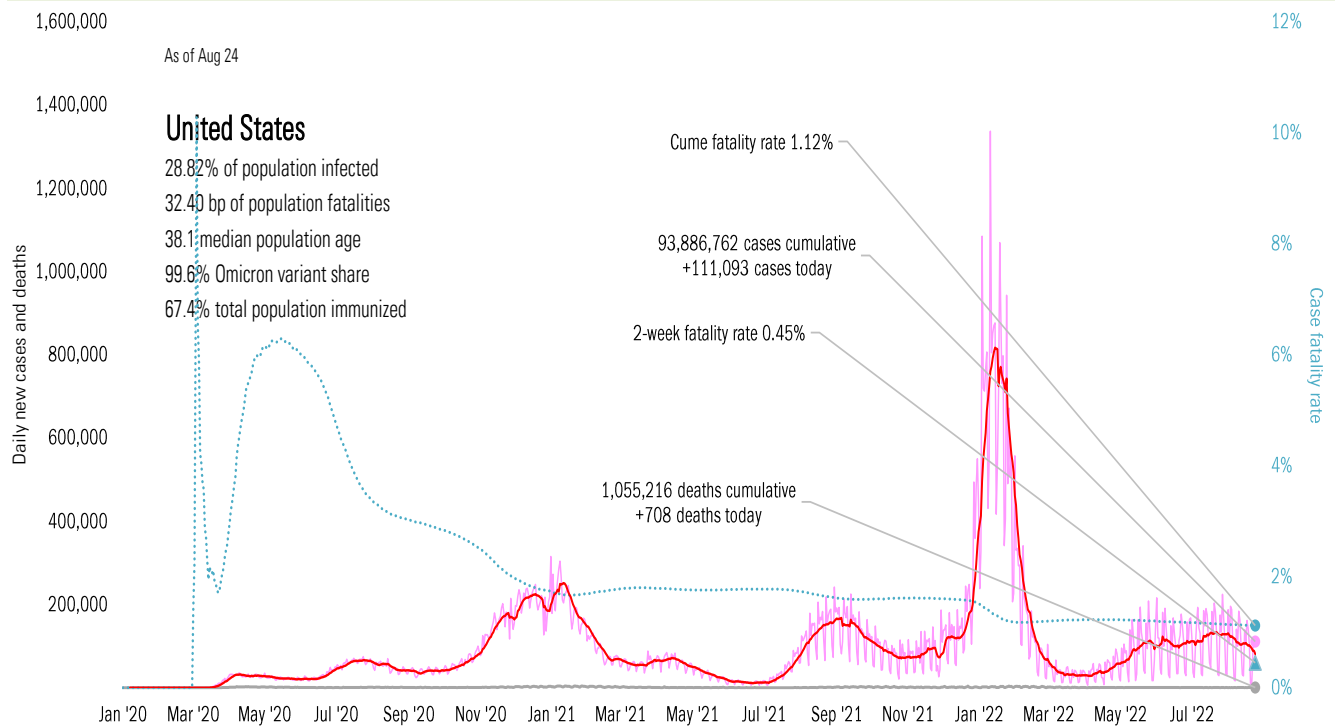
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
PA	16,099		NC	83		WI	124		CA	11,022,585		CA	94,625		TX	533,851		RI	90%	AL	86%
TX	8,582		PA	82		VA	143		TX	7,793,356		TX	90,100		CA	485,331		GA	86%	VT	84%
IN	5,705		FL	74		OH	242		FL	6,970,978		FL	79,297		FL	479,840		WA	84%	AK	84%
KS	4,977		WA	43		KY	118		NY	5,957,945		NY	70,970		NY	289,073		MA	84%	NC	82%
TN	4,960		CA	35		NH	26		IL	3,661,342		PA	46,596		GA	220,949		MN	84%	TX	81%
FL	4,508		IN	35		CO	56		PA	3,167,638		GA	39,632		CH	211,228		MO	83%	NE	81%
CA	4,362		TX	35		HI	29		NC	3,088,923		CH	39,310		PA	197,426		DE	82%	GA	80%
NY	4,255		NY	32		GA	231		OH	3,026,110		IL	39,235		IL	180,413		AK	82%	WA	80%
IL	3,570		VA	23		AK	14		GA	2,852,706		MI	37,909		MI	157,169		MD	81%	MS	79%
CH	3,438		GA	23		IA	53		MI	2,751,201		NJ	34,497		KY	141,568		NH	80%	NH	79%
60,457			465			1,036			50,302,784			572,171			2,896,848						
All states	111,093		708			5,418			All states	93,886,762		1,055,216			5,255,093			All states	70%	67%	
Top ten	54%		66%			19%			Top ten	54%		55%			55%			Median	76%	73%	

Some states not reporting

Five most improved US states

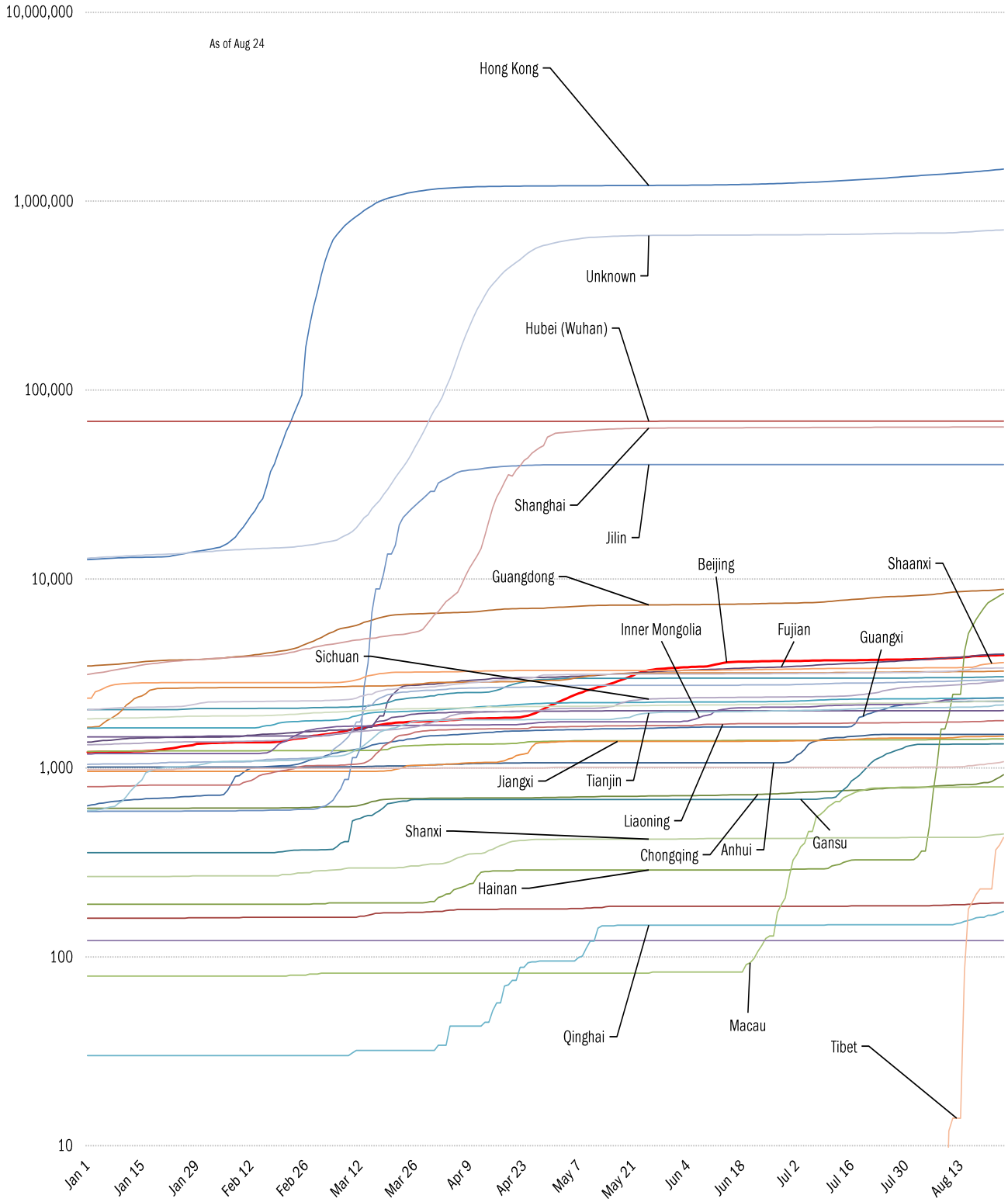
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-23,524	CA	-79	NY	-82
FL	-1,980	NY	-24	PA	-78
NY	-1,977	LA	-14	CA	-44
NE	-967	CT	-13	NJ	-44
WA	-835	NM	-5	FR	-39



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

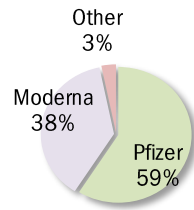
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	622,906,809	+0.209 million	US	67.4%	79.0%
of which boosters	110,327,935	+0.051 million	UK	75.2%	79.9%
	One dose	% Pop	Immune	% pop	New immune today
Total population	270,471,978	81%	230,193,455	69%	+0.034 million
Age 12 to 17	18,095,150	72%	15,459,413	61%	+0.003 million
Age 18 to 64	180,661,461	89%	153,482,893	75%	+0.015 million
Age 65 and over	59,665,647	100%	52,194,513	95%	+0.005 million

France	78.6%	80.9%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
Australia	83.9%	86.5%
Israel	66.2%	72.3%
Canada	82.6%	86.3%
Japan	82.3%	83.5%
Africa	21.8%	27.9%
India	66.7%	72.7%
Brazil	79.9%	86.8%
China	89.0%	91.3%

Global data differs due to sources, timing



State	Full immunity as % population
AK	71.3%
	63.2%

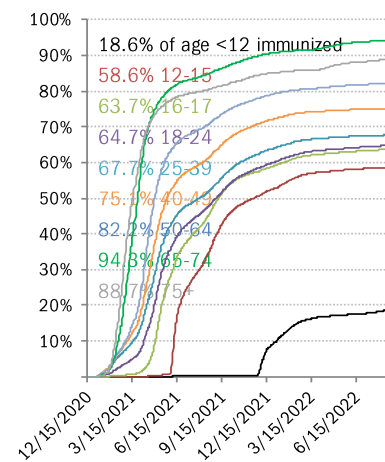
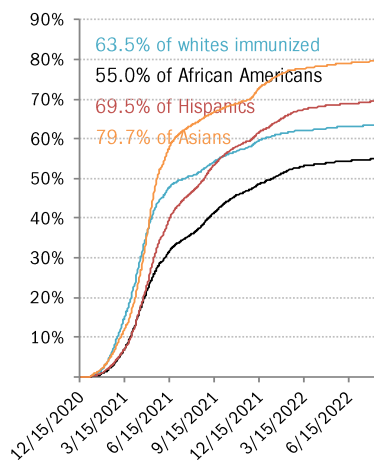
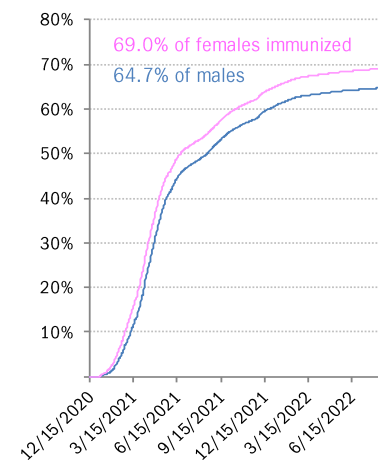
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

"Immunity" = two doses

As of Aug 18

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
82.6%	62.3%	66.4%	66.9%	76.6%	77.1%	67.9%	91.8%	95.0%	90.5%	
73.6%	55.1%	57.8%	56.6%	70.2%	69.5%	61.0%	78.3%	82.6%	72.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.2%	76.8%	59.1%	78.9%	69.0%	63.1%	64.3%	87.3%	92.2%	95.0%	
70.6%	61.9%	51.8%	63.5%	62.8%	56.8%	59.2%	70.4%	77.0%	80.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.9%	73.5%	81.2%	71.6%	67.5%	67.3%	66.1%	87.6%	88.7%	95.0%	95.0%
73.4%	65.3%	71.4%	64.6%	57.2%	58.3%	58.6%	74.4%	77.1%	80.6%	84.6%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
75.3%	90.2%	74.0%	68.1%	63.2%	87.0%	69.2%	95.0%	85.1%		
63.0%	72.6%	63.2%	55.5%	55.3%	63.3%	58.2%	78.5%	70.7%		
OK	LA	MS	AL	GA						
72.5%	62.0%	60.8%	63.8%	66.6%						
58.5%	54.3%	52.9%	52.1%	55.8%						
TX					FL	PR				
74.3%					80.8%	95.0%				
61.6%					68.1%	84.1%				

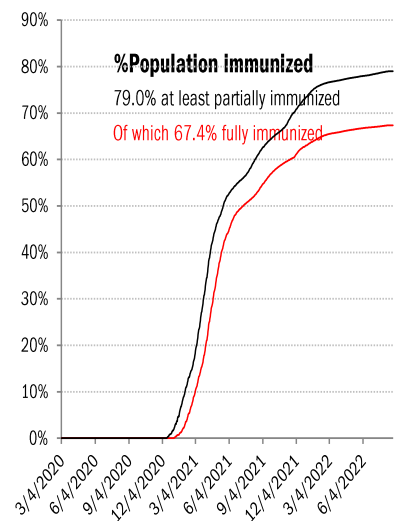
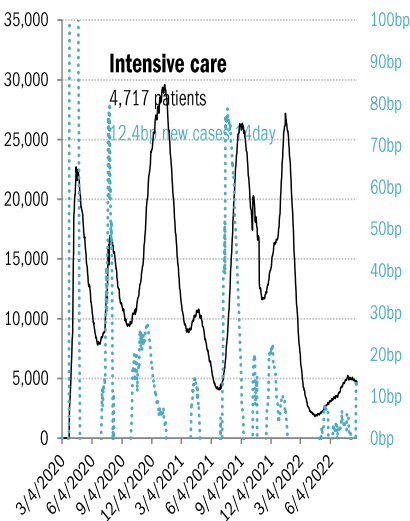
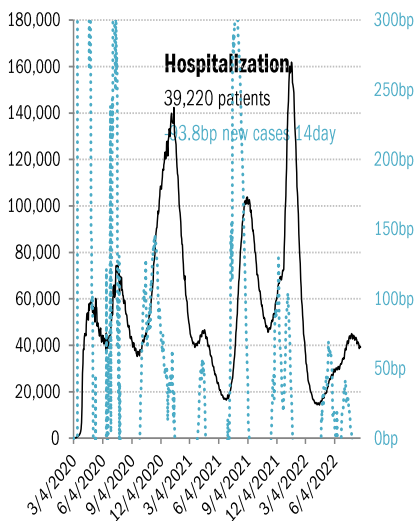
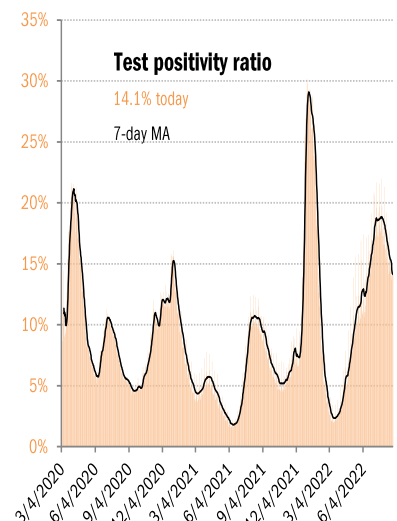
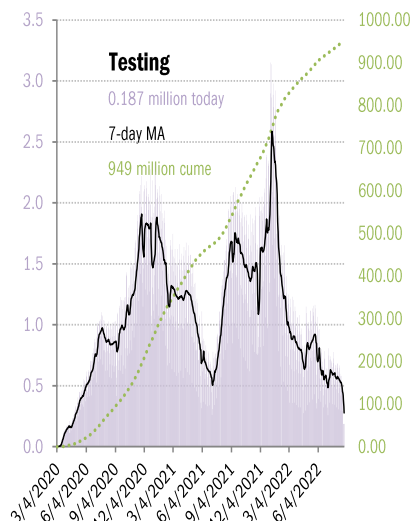
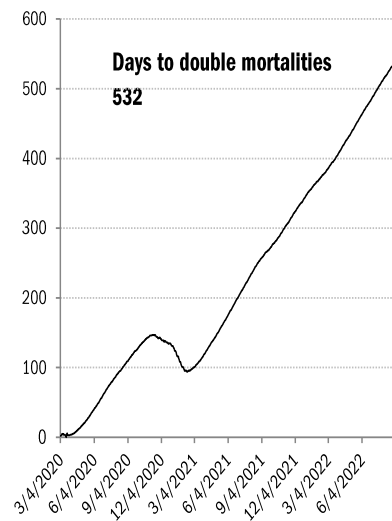
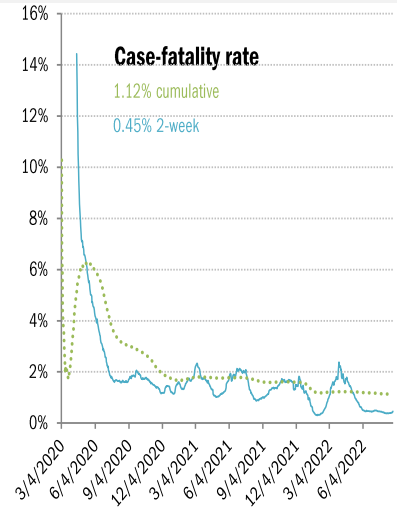
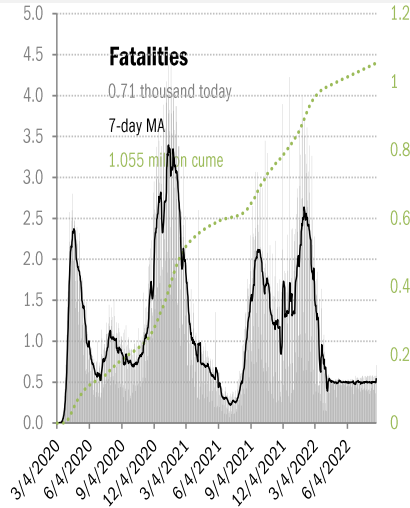
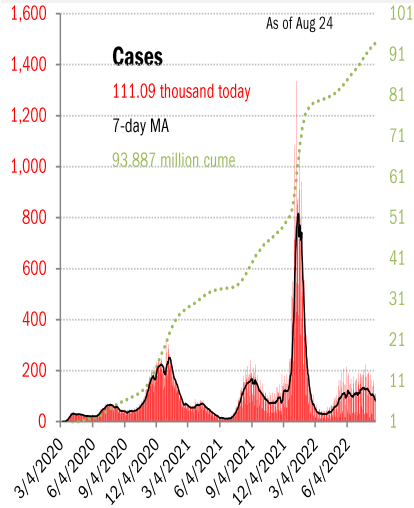
The demographics of US vaccination



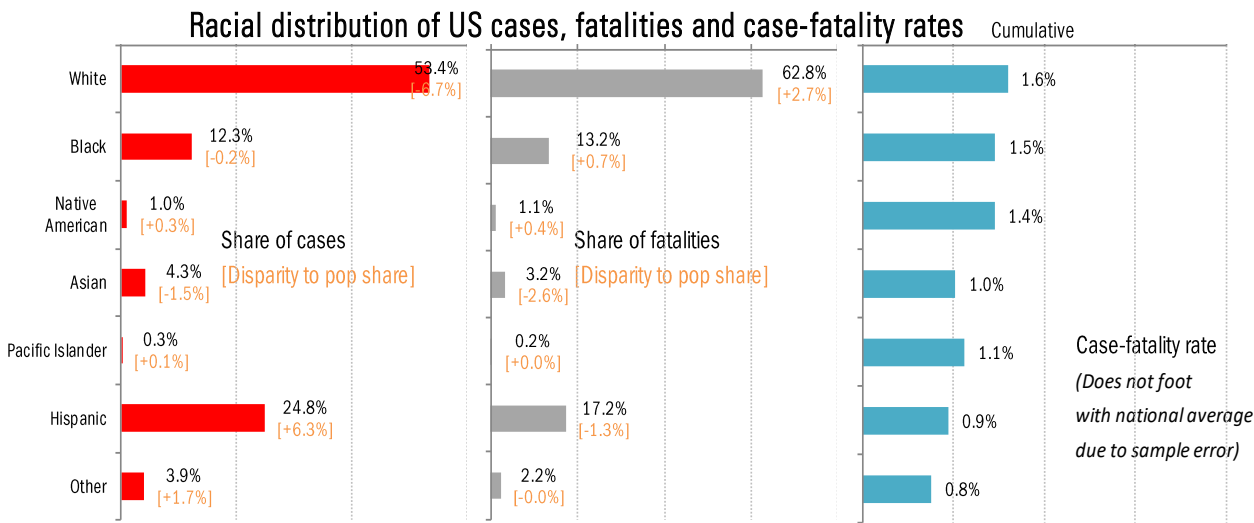
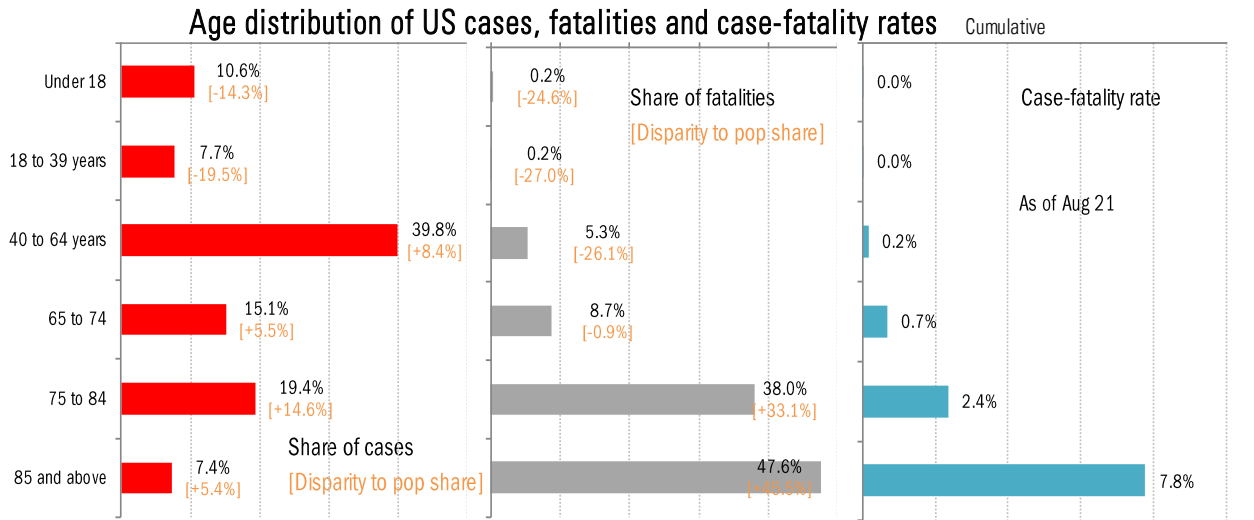
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

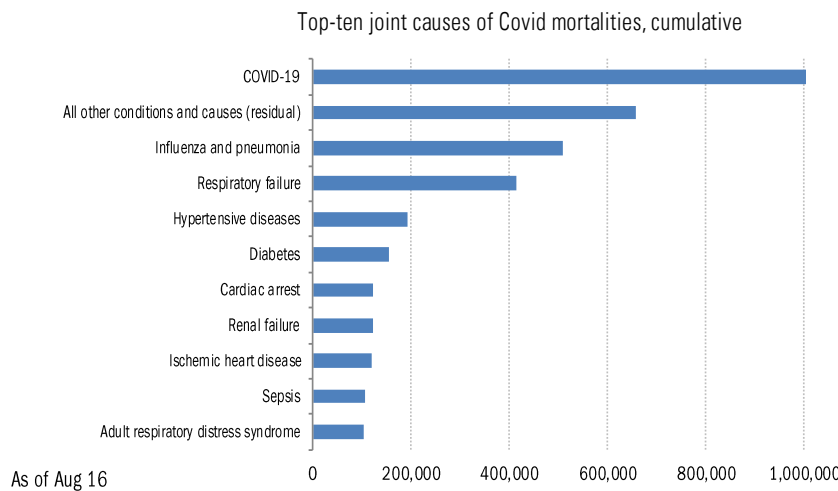
National and state-by-state data do not line up because of different sources



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

[Has "Long Covid" been exaggerated?](#)

Finn McRedmond

UnHerd

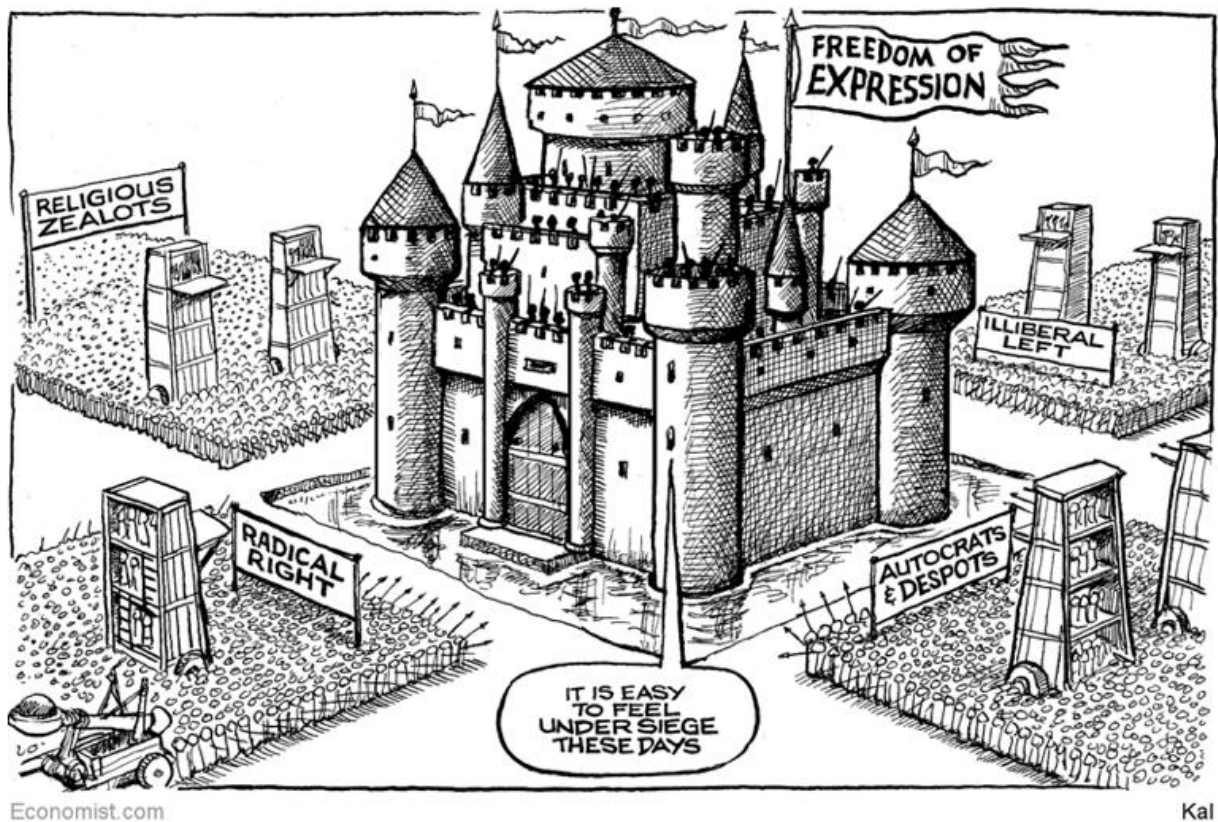
August 24, 2022

[UK monkeypox case numbers show overall decline](#)

UK Health Security Agency

August 19, 2022

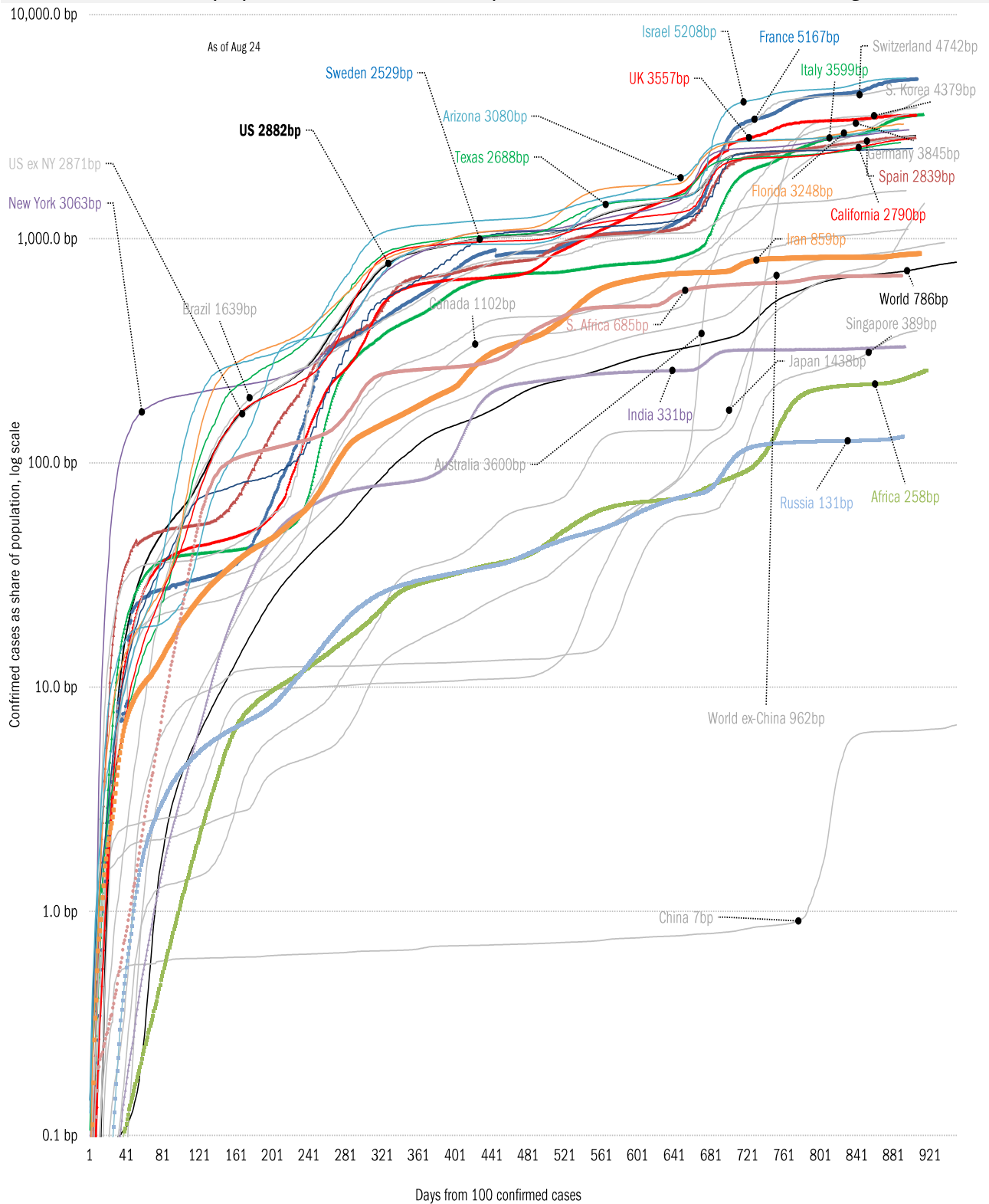
Meme of the day



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

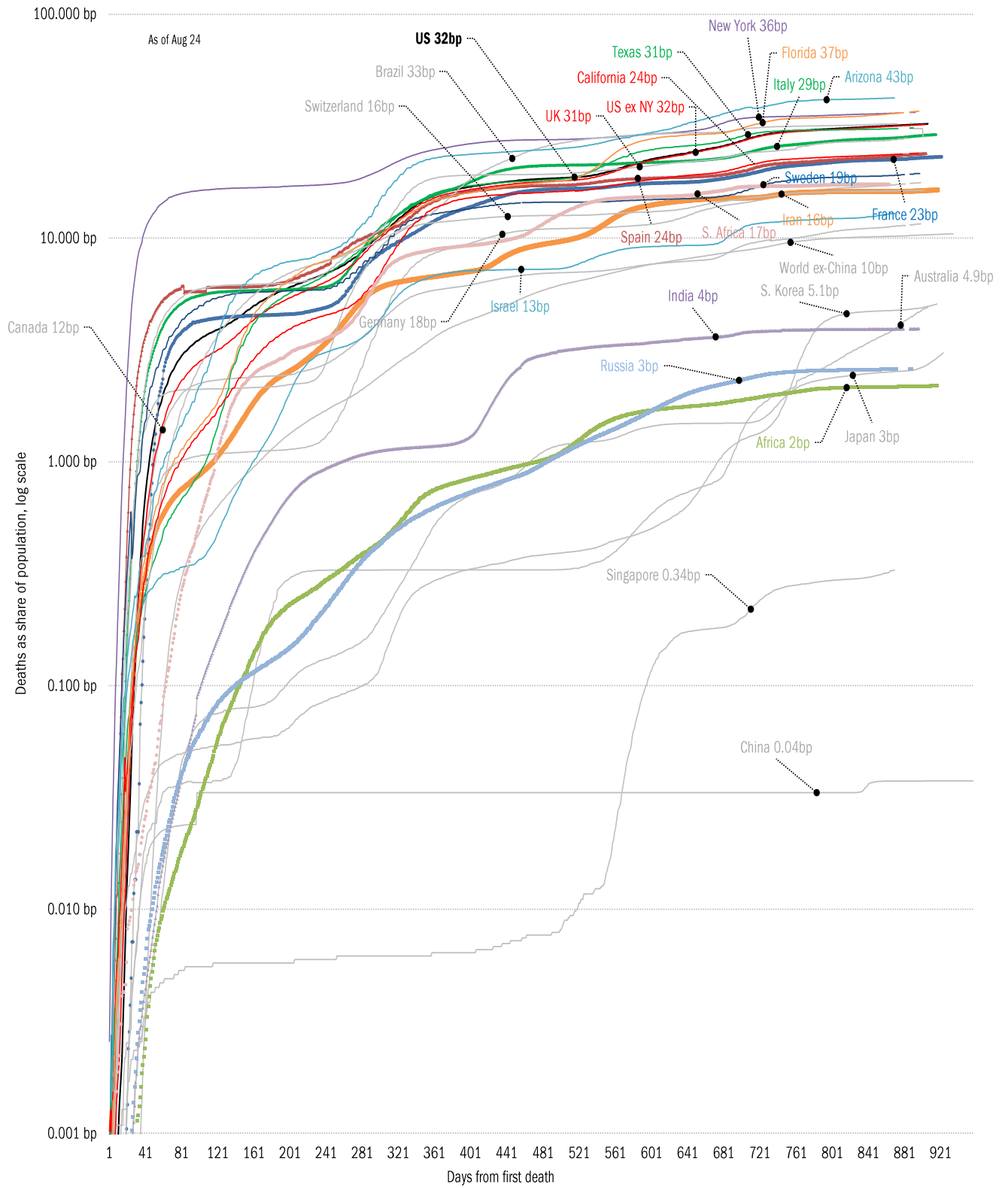
The global coronavirus case accelerometer... tracking the world's infection curves

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

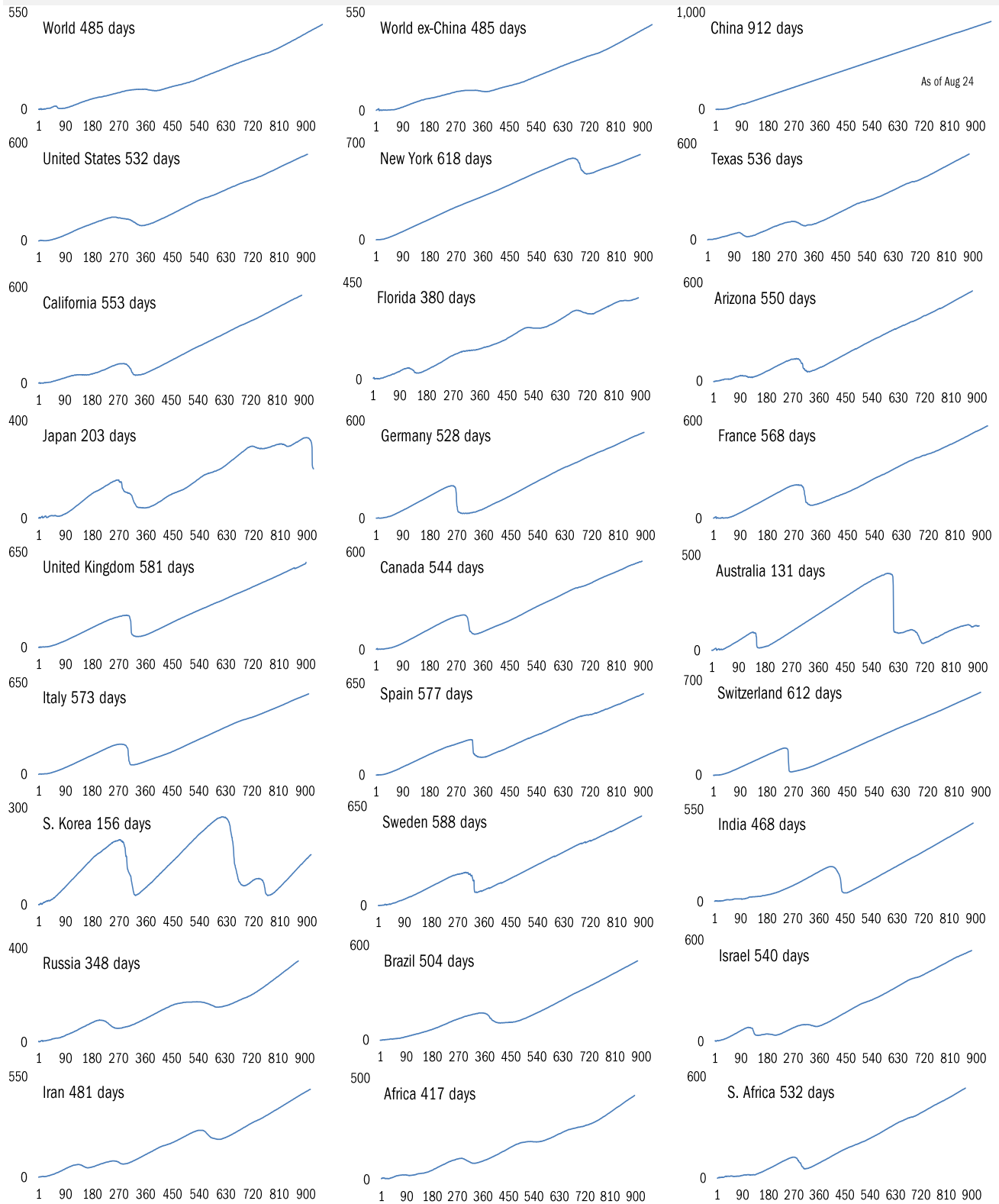


Source: [Johns Hopkins](#), TrendMacro calculations

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

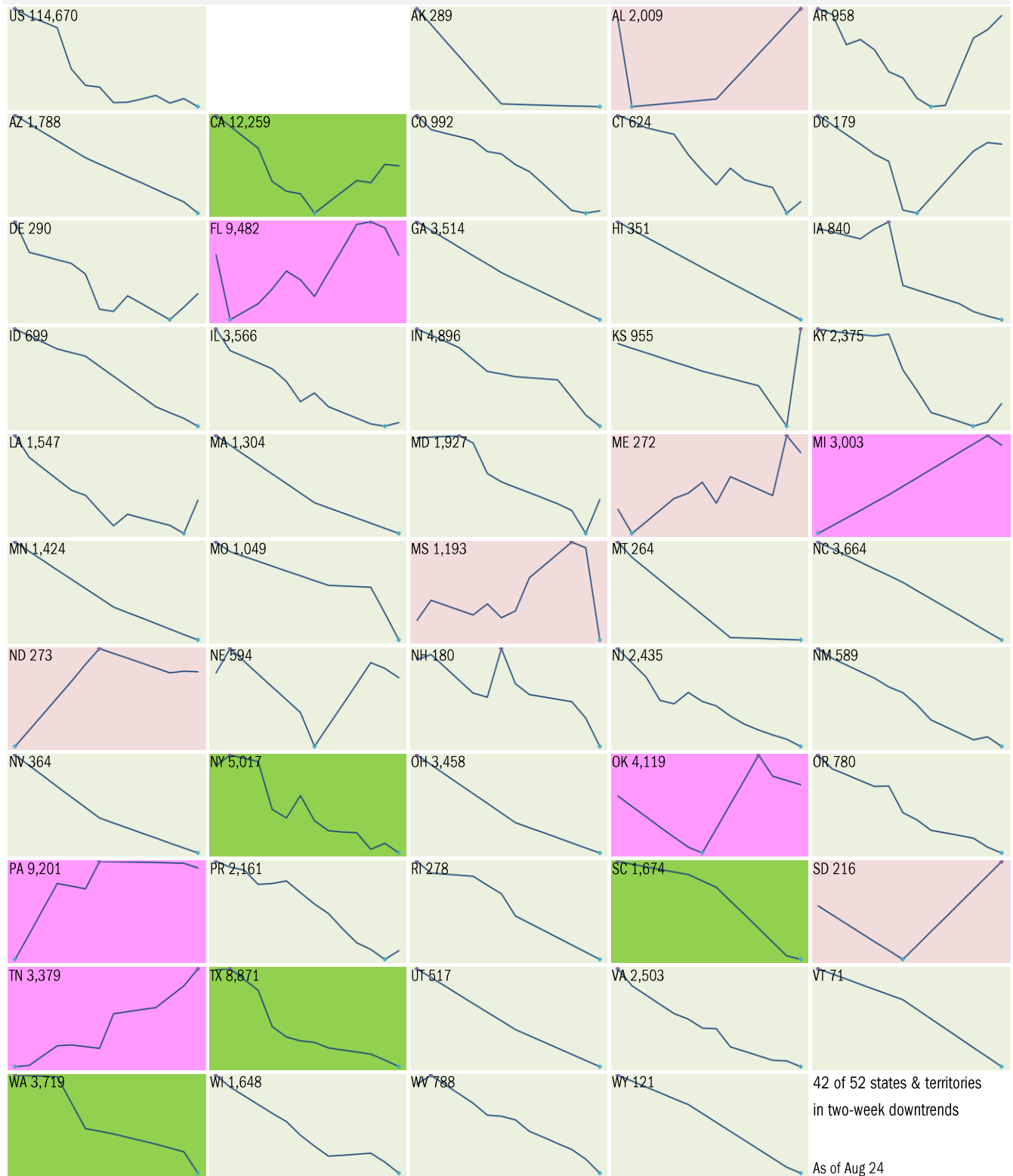


Source: [Johns Hopkins](#), TrendMacro calculations

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

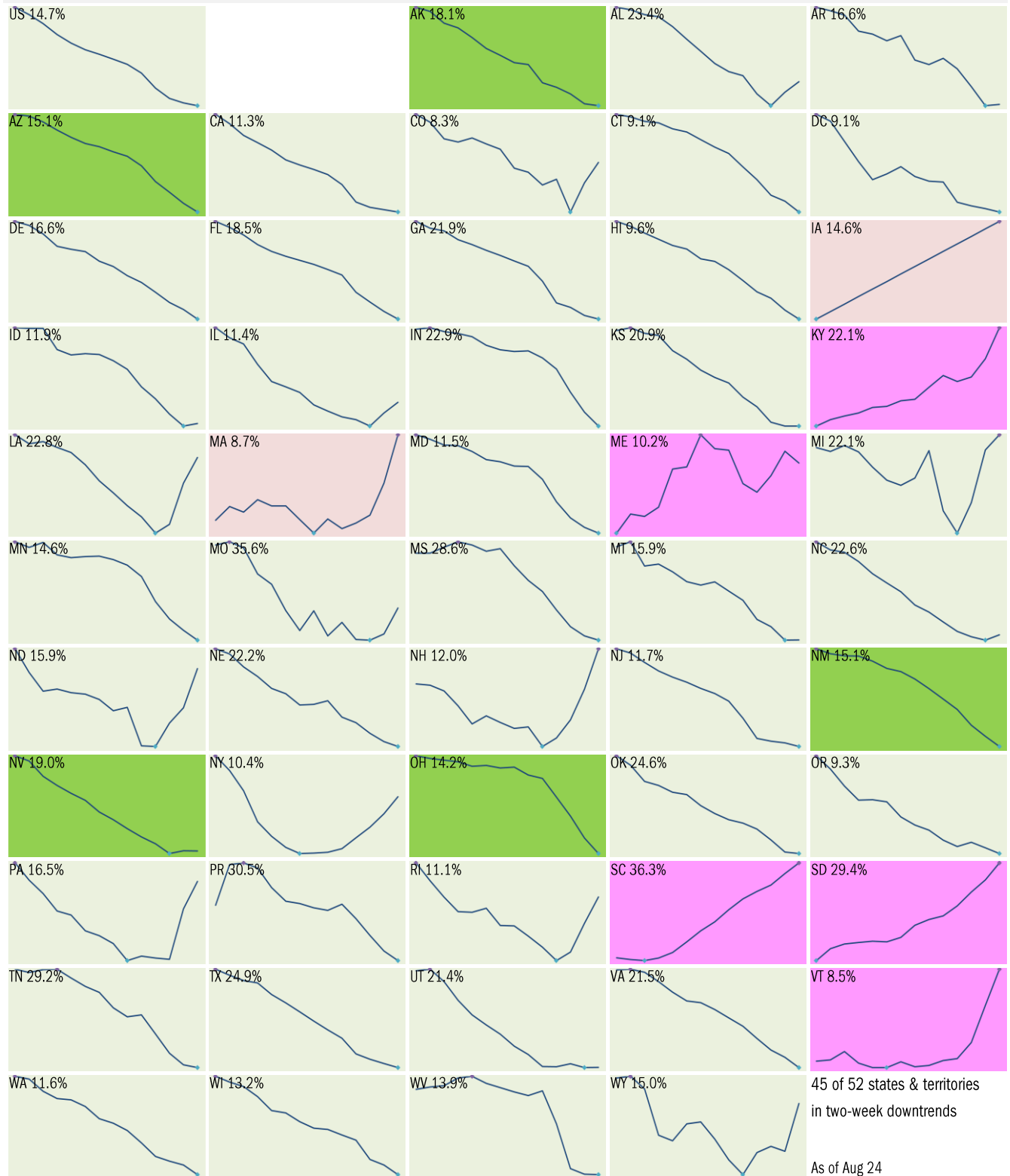


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

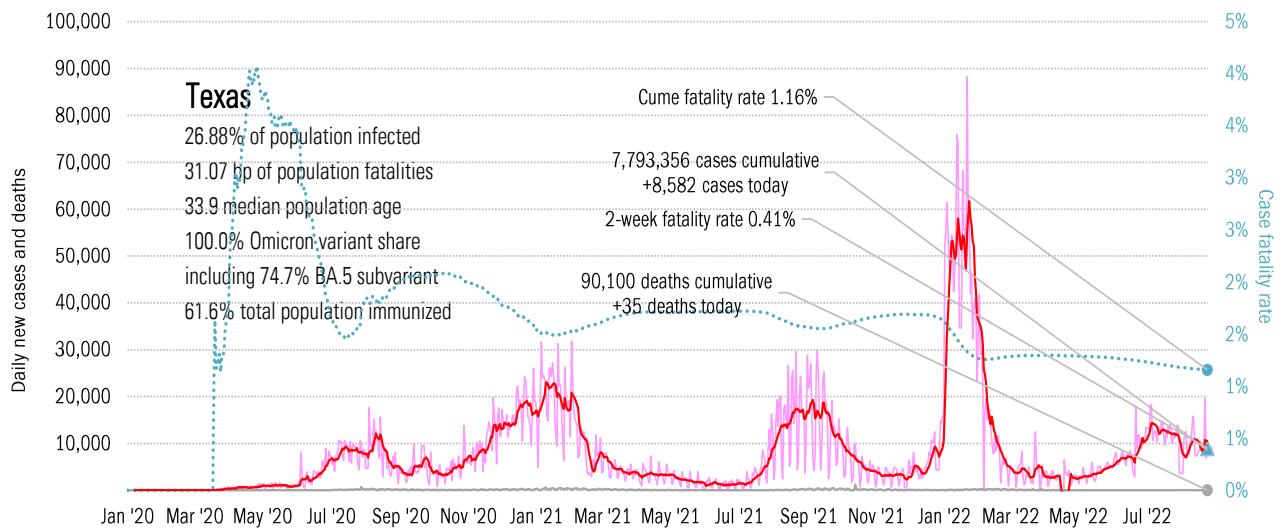
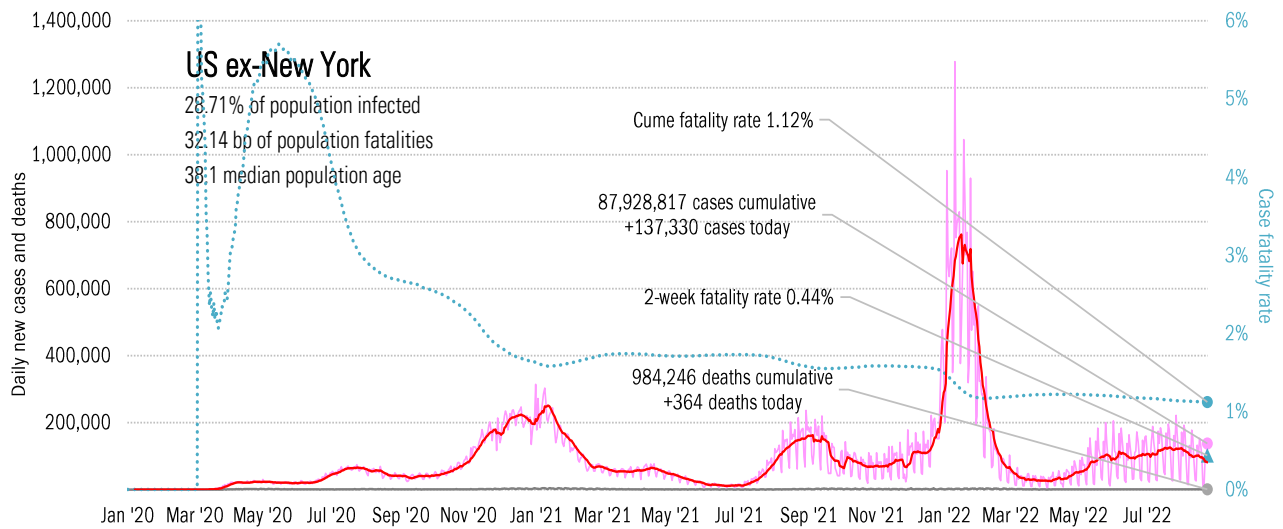
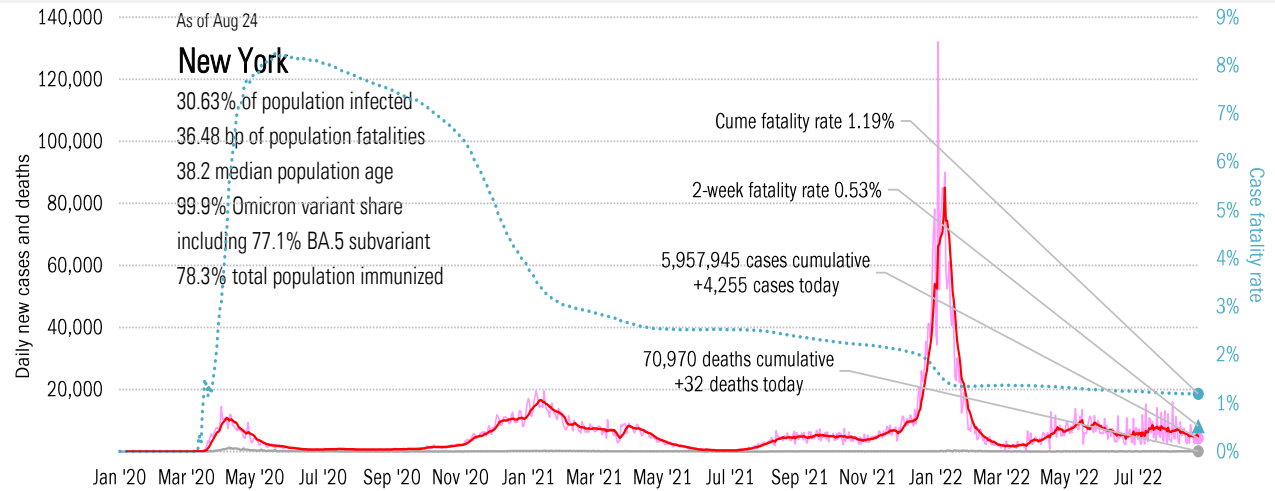
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

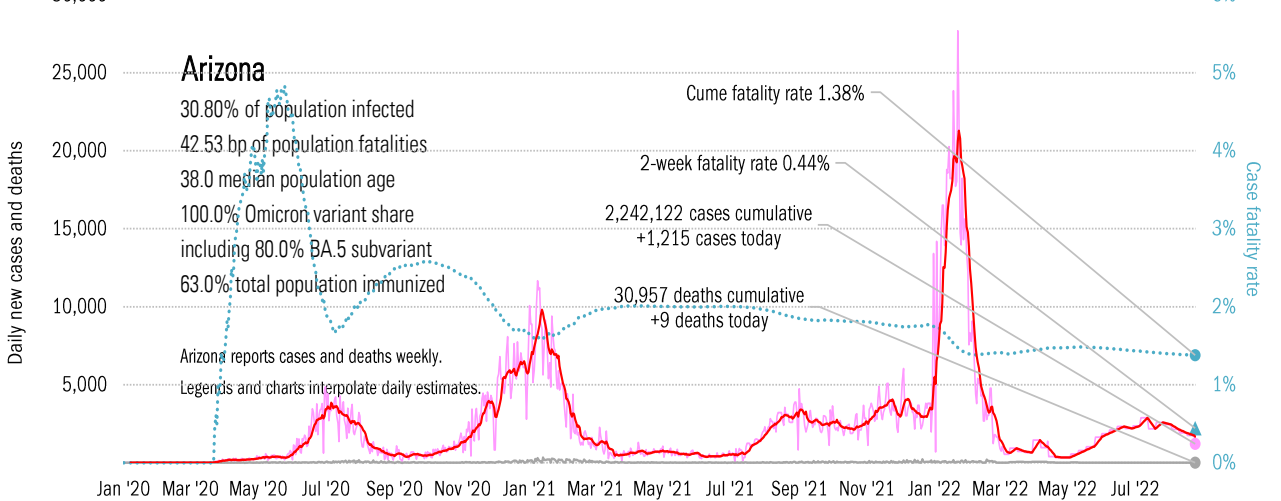
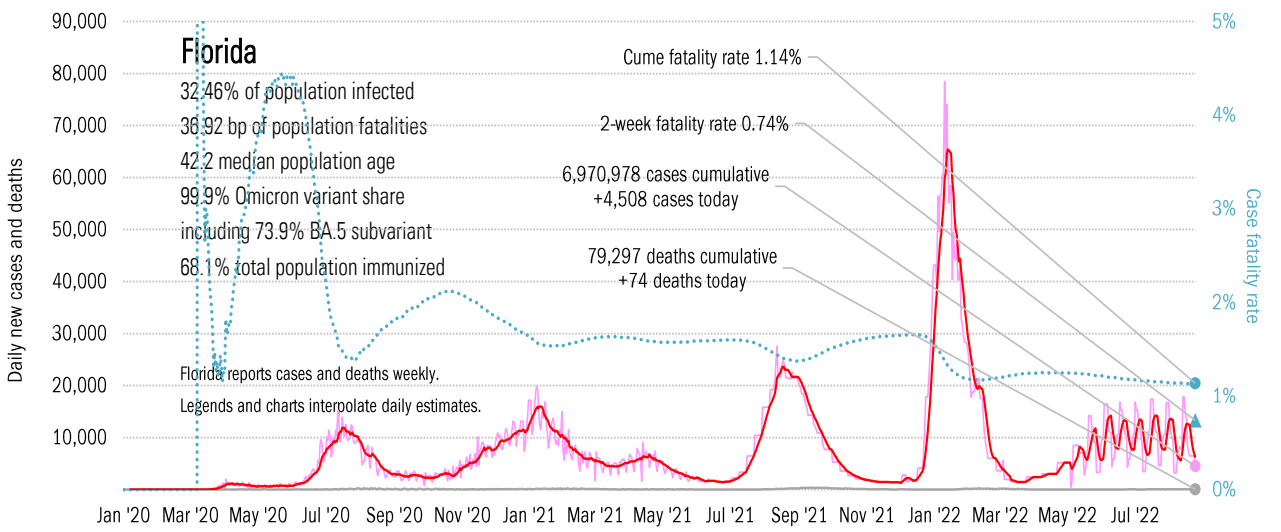
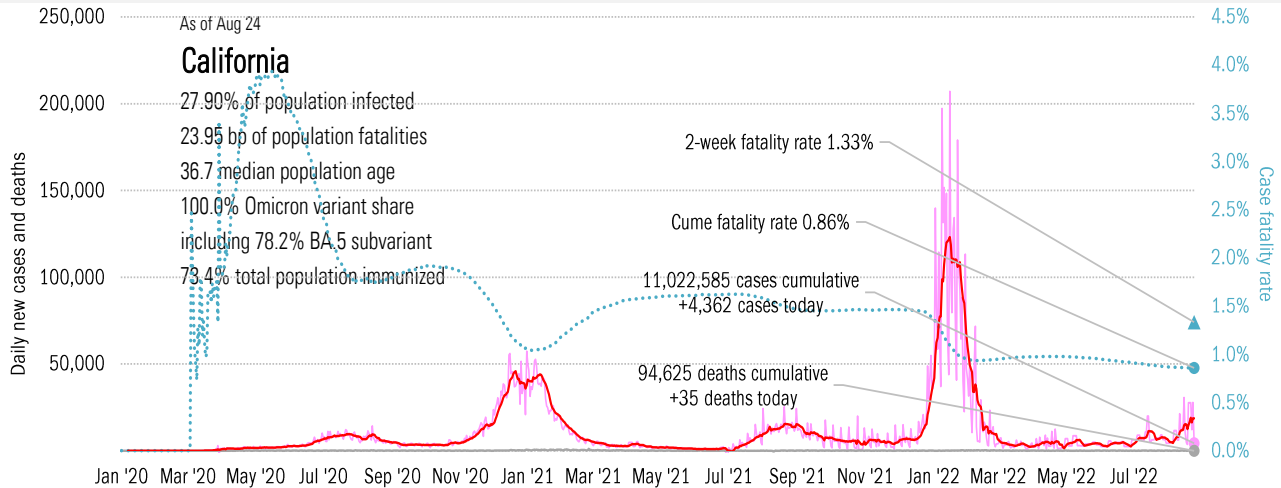
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

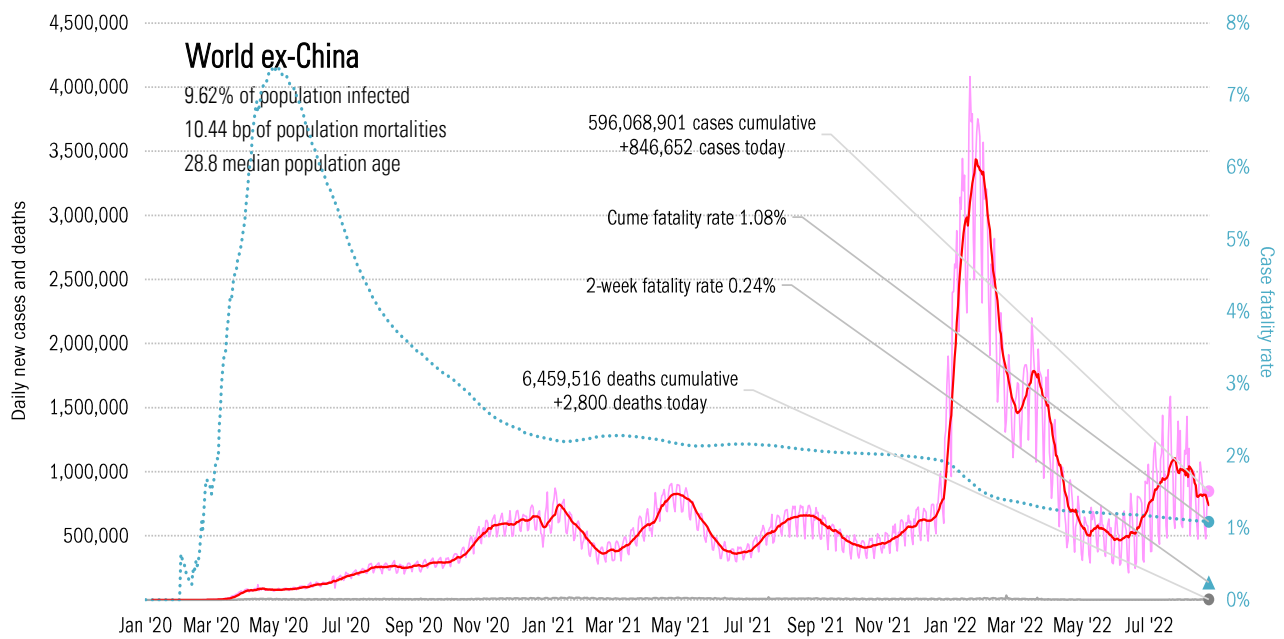
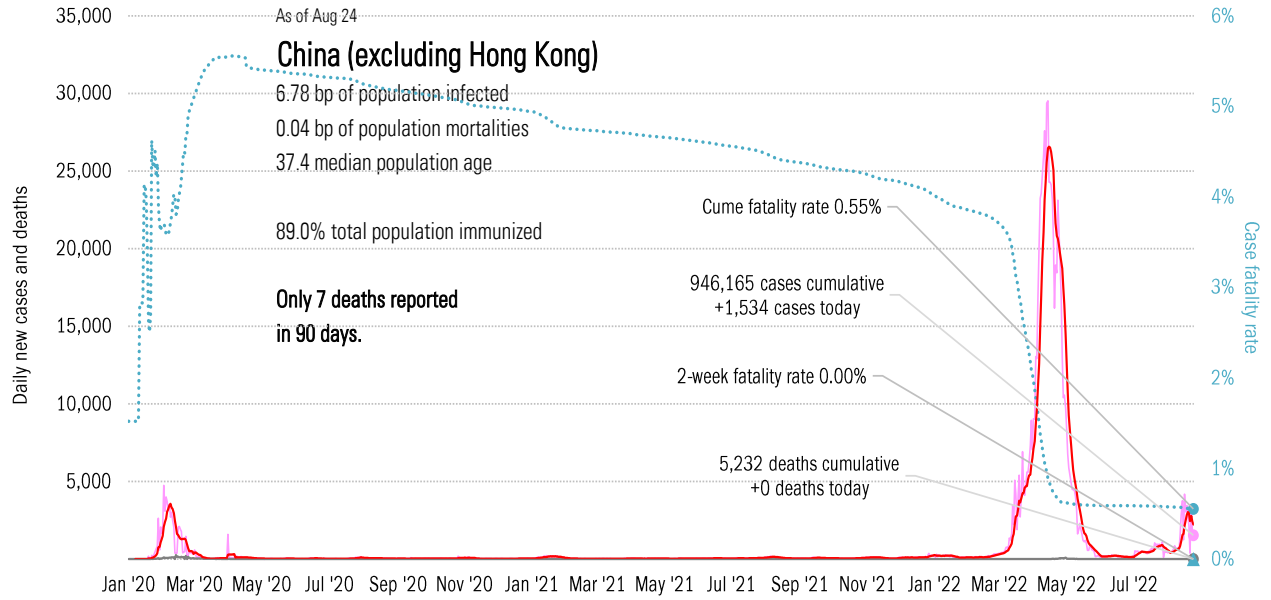
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

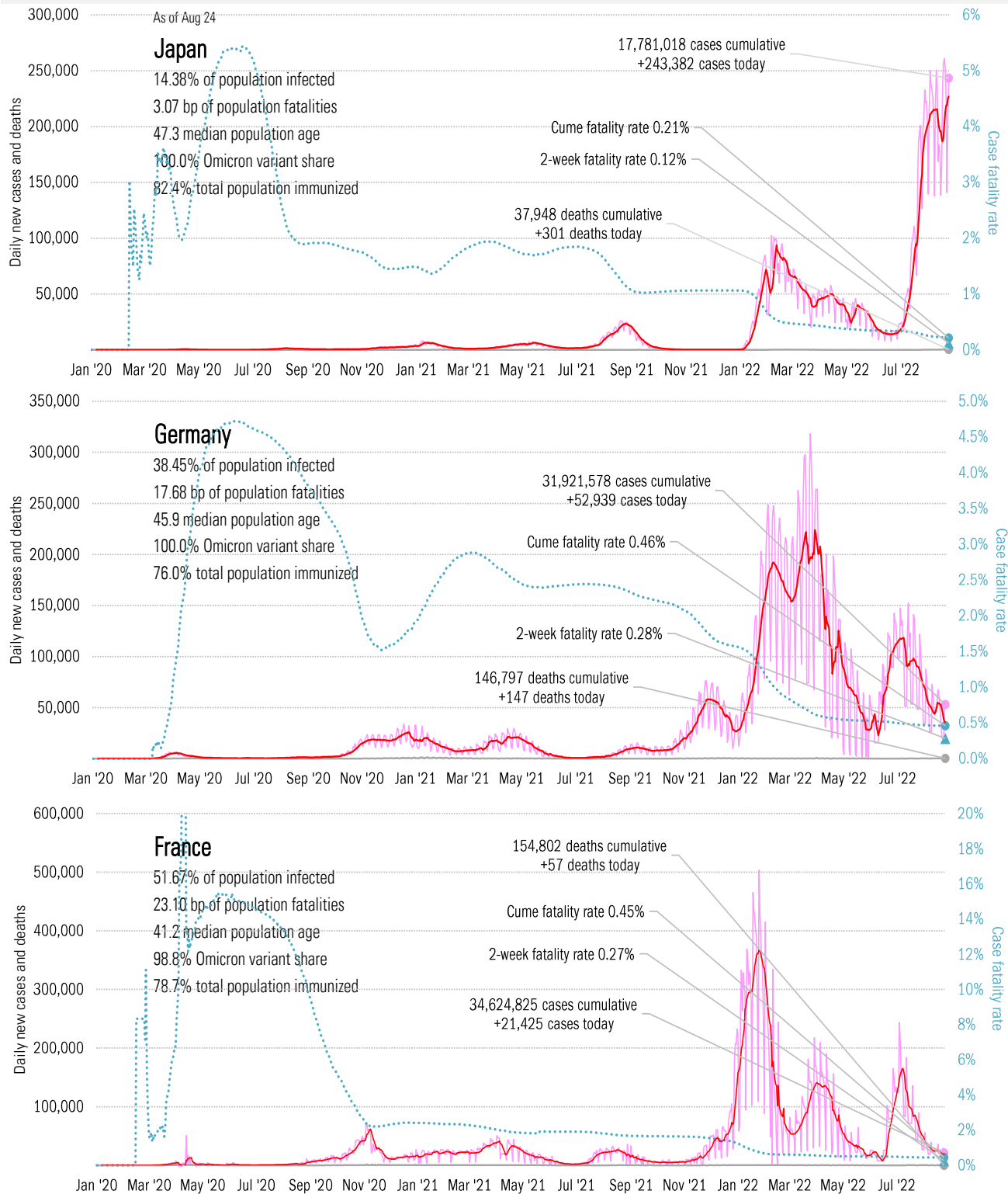
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

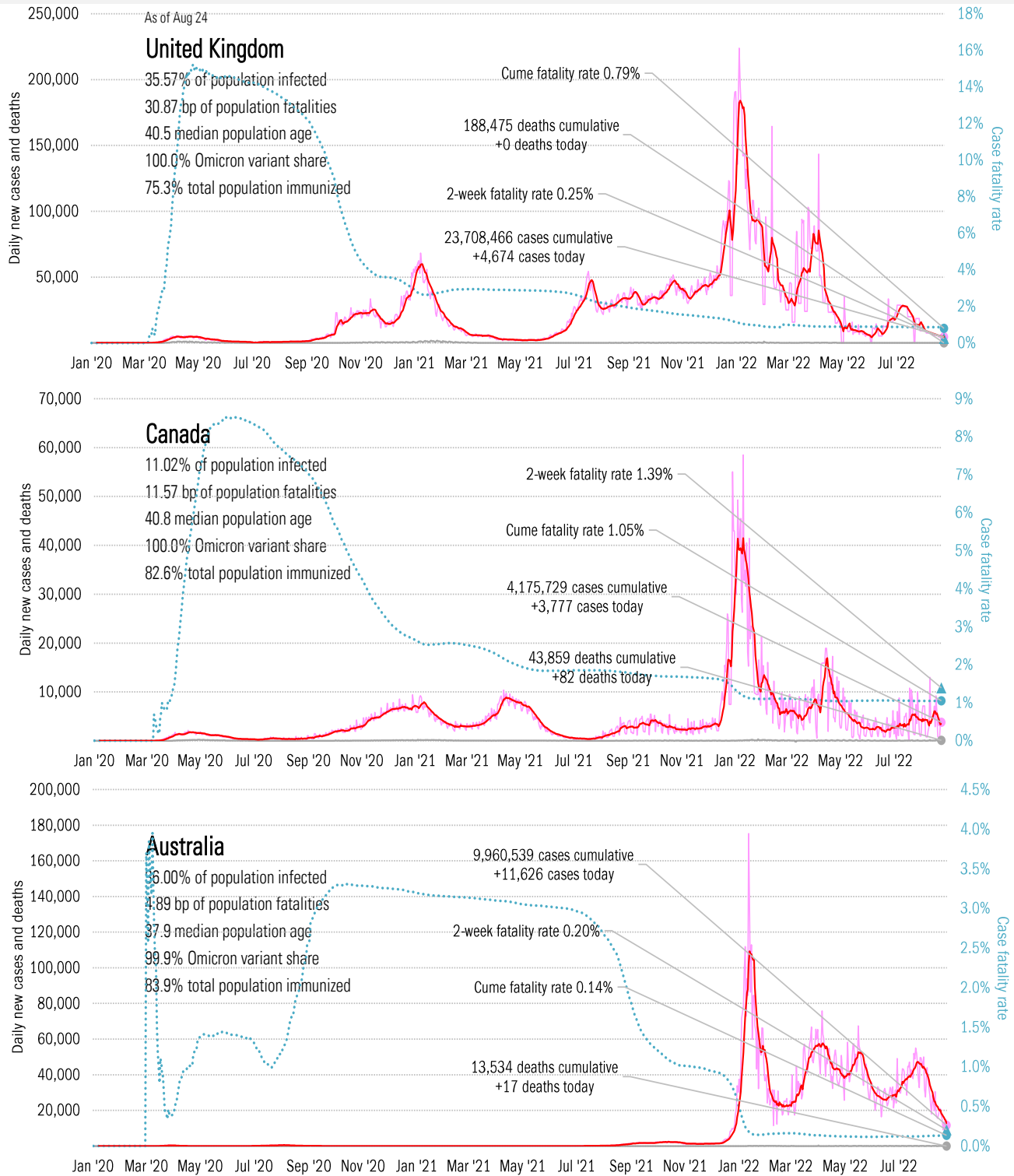
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

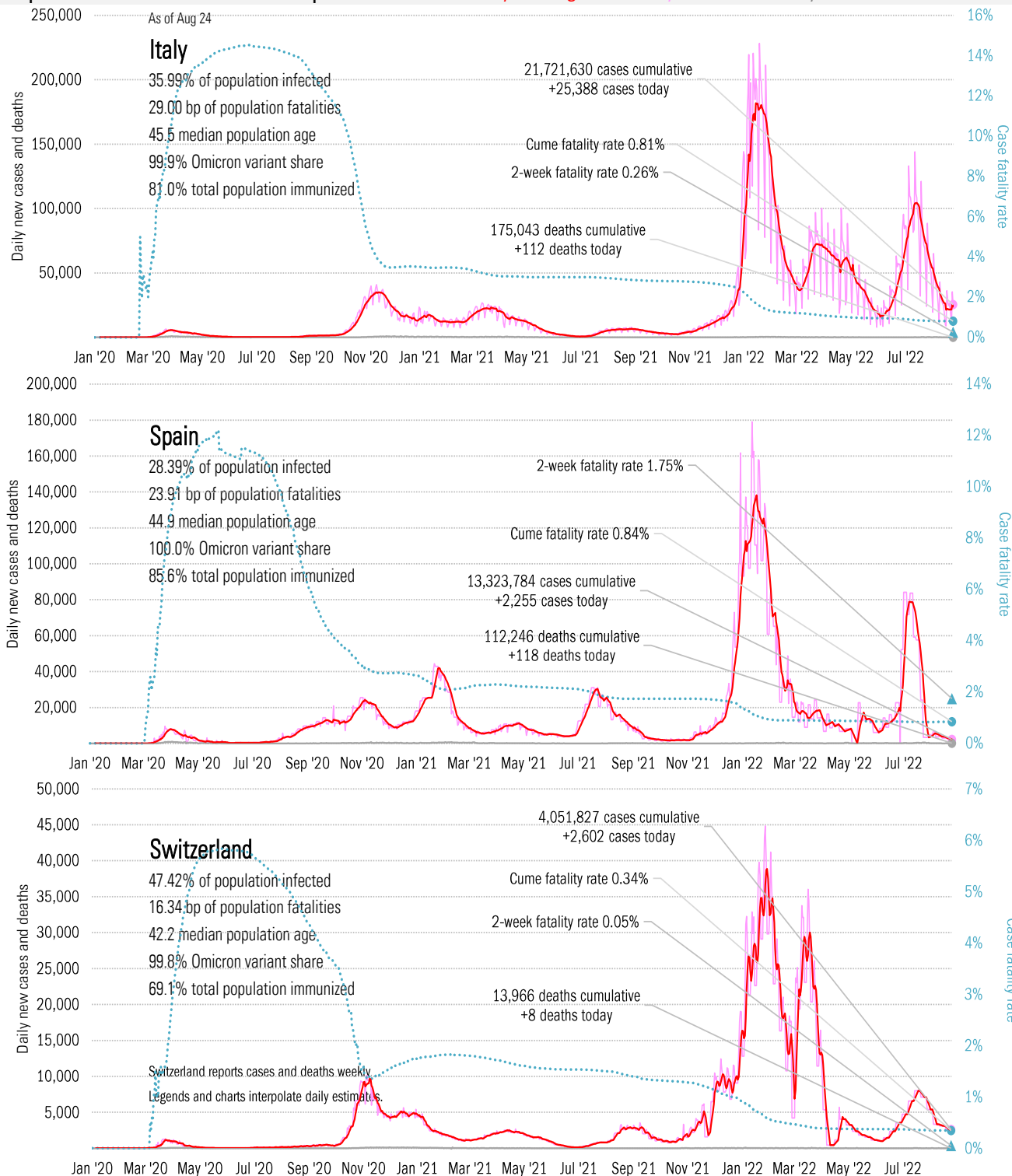
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

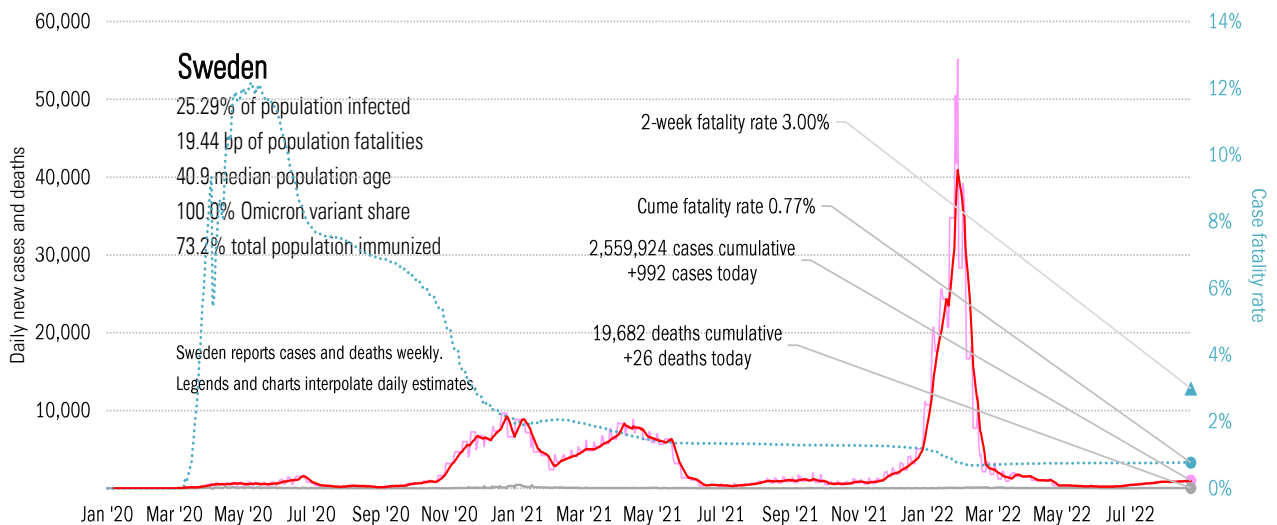
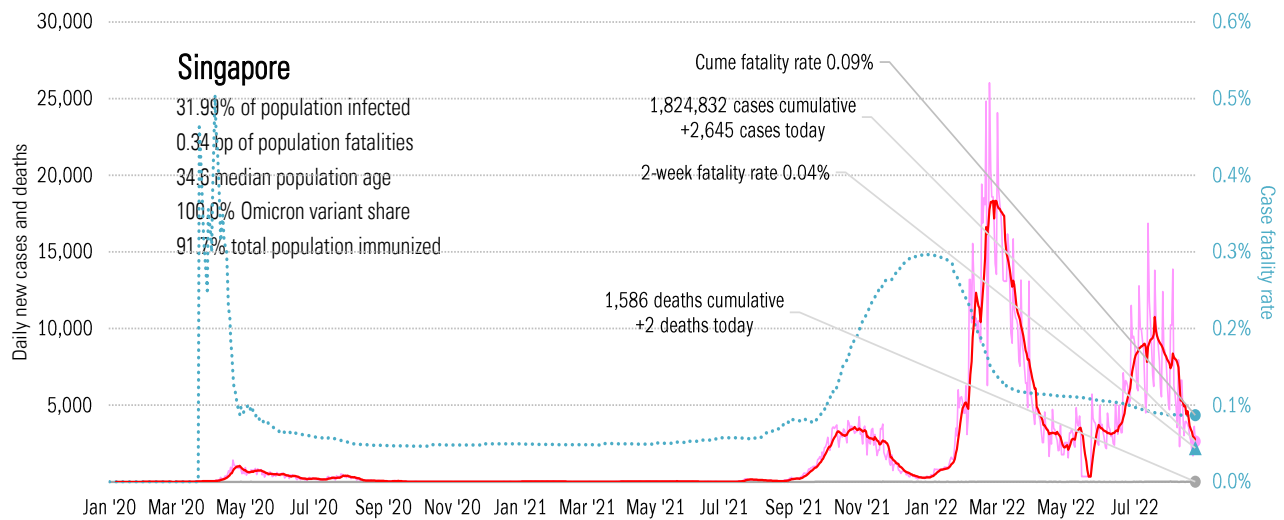
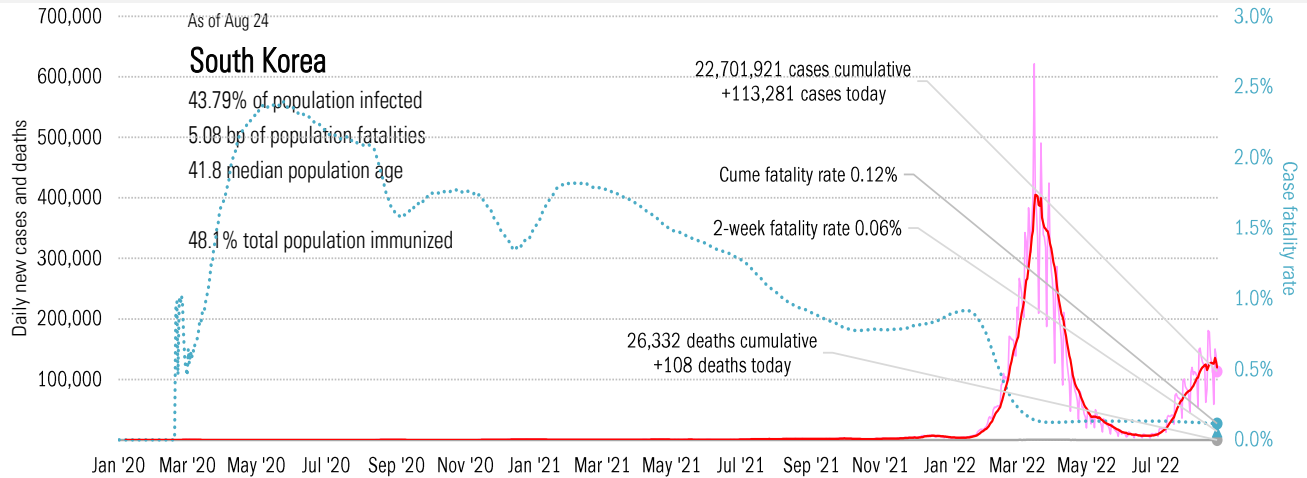
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

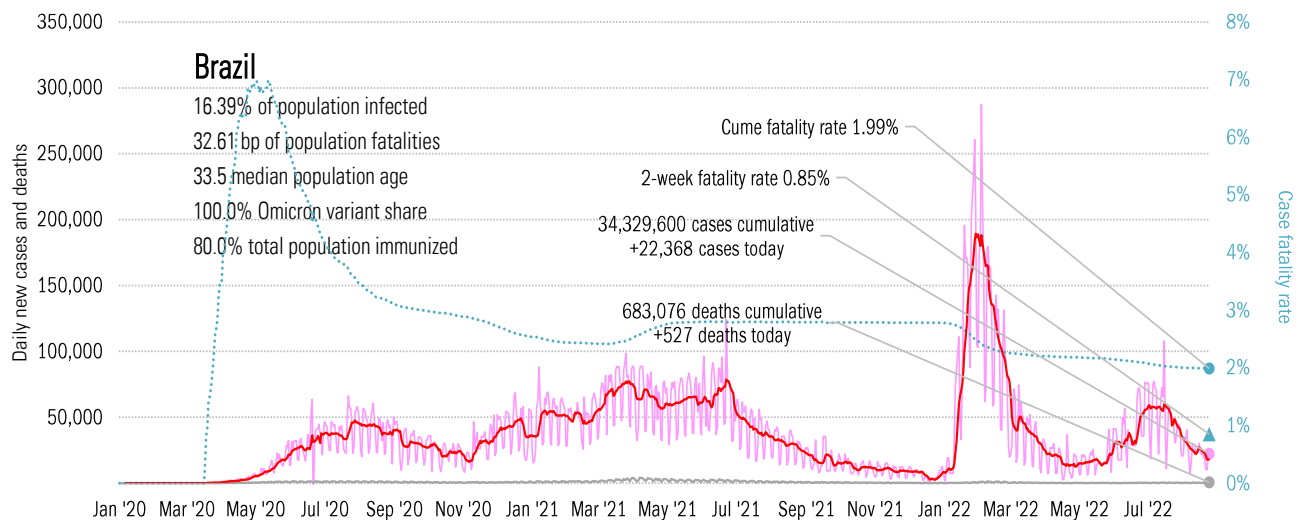
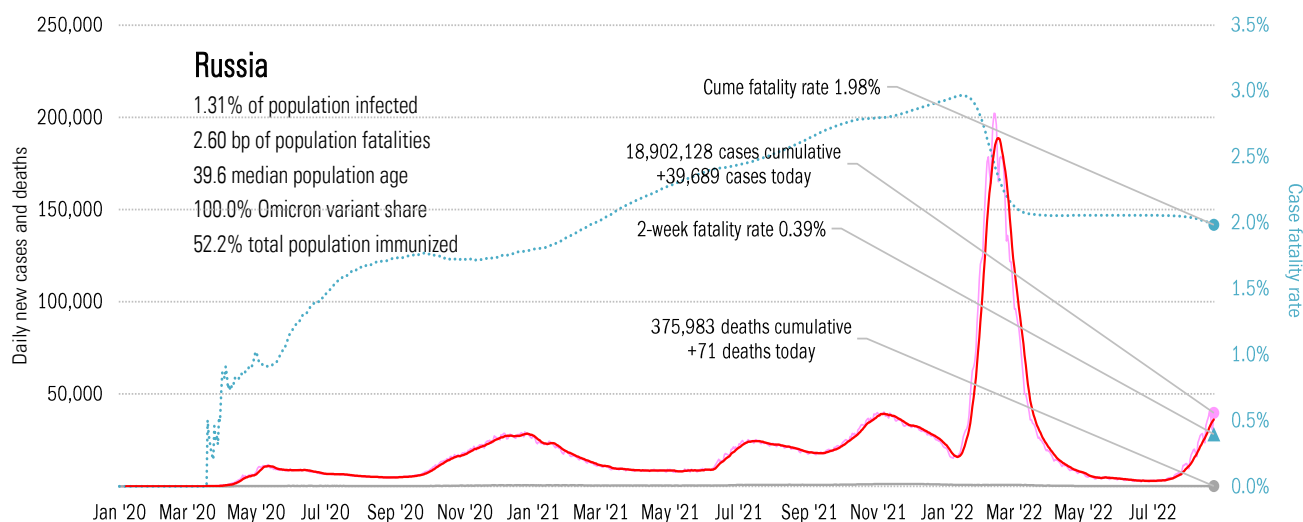
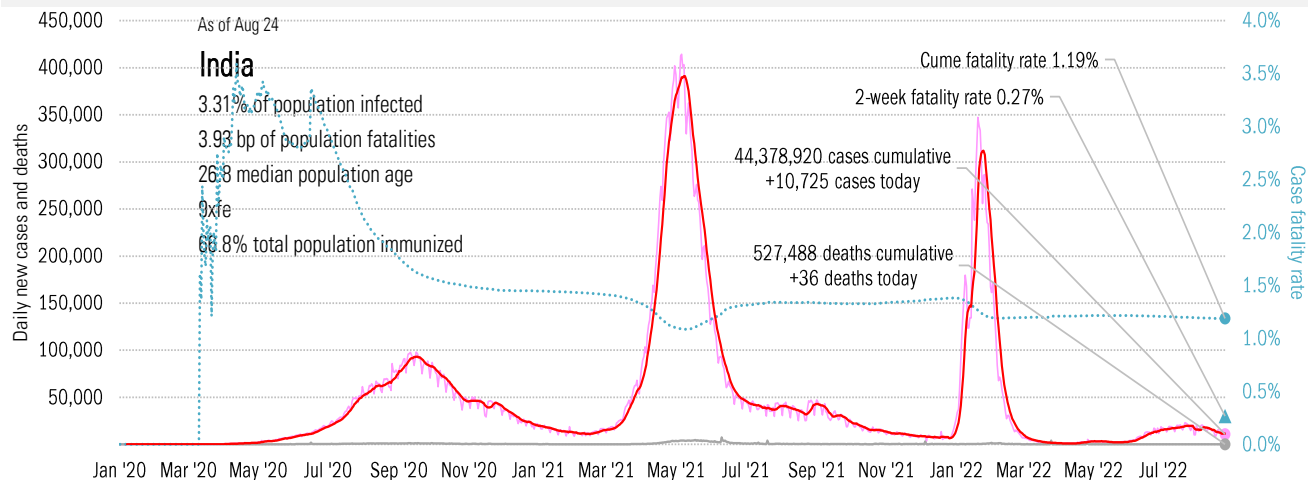
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

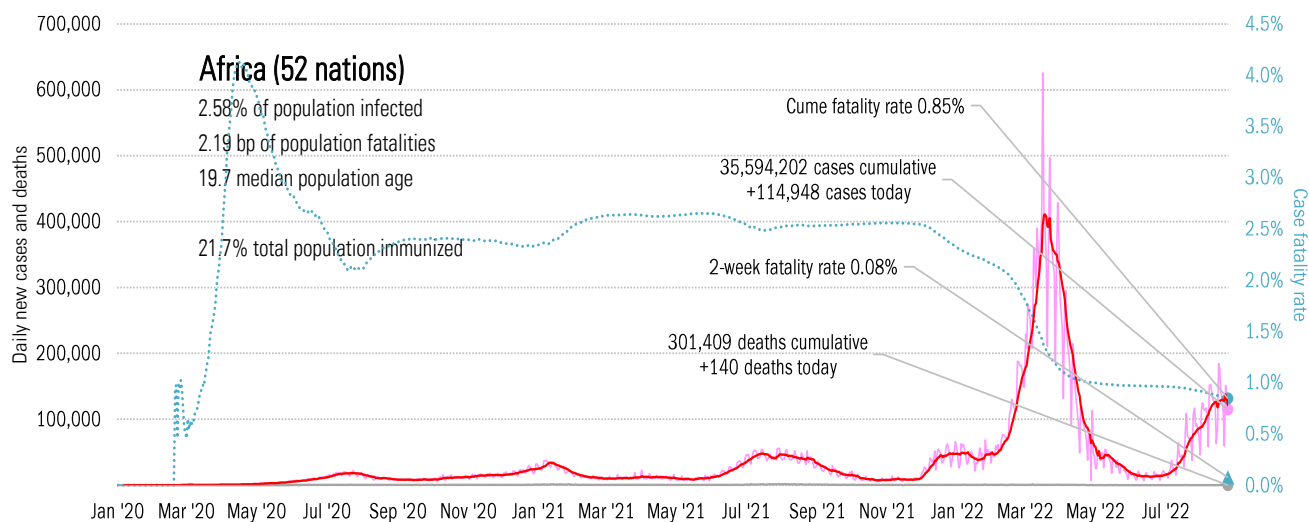
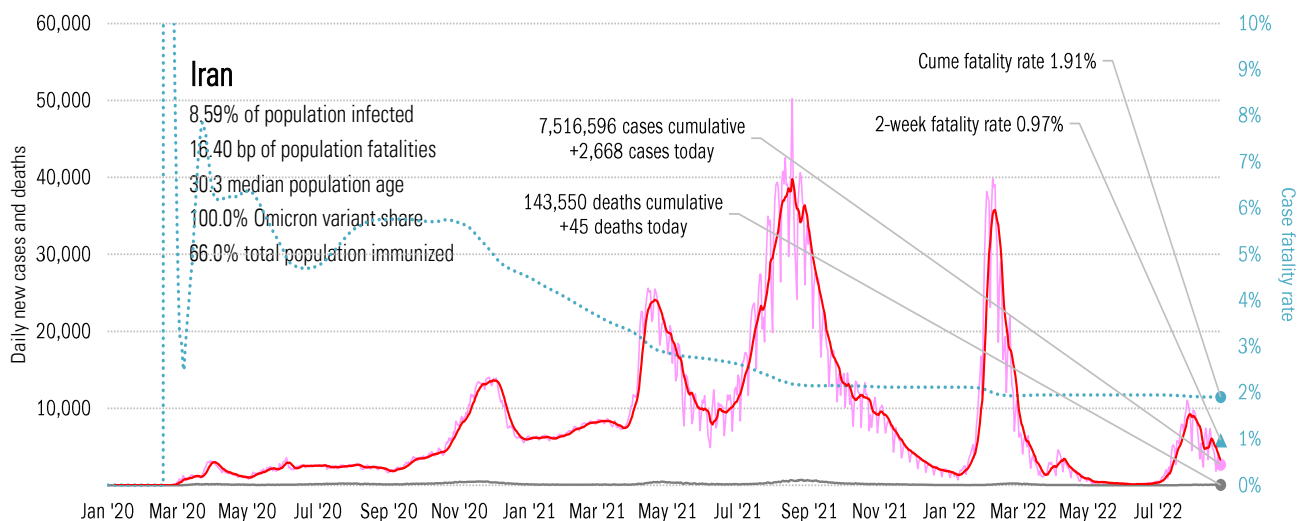
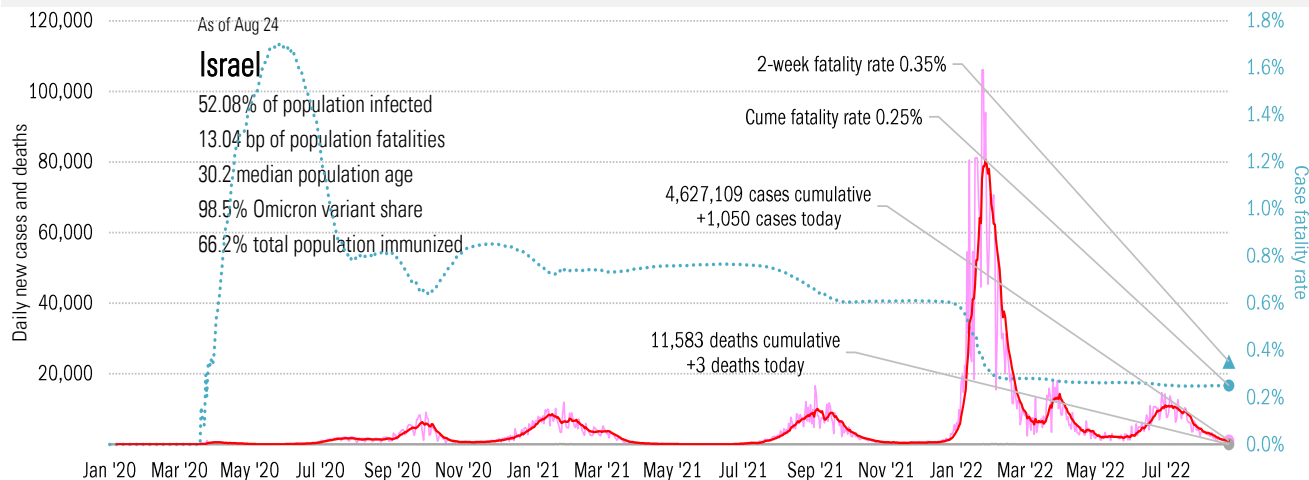
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

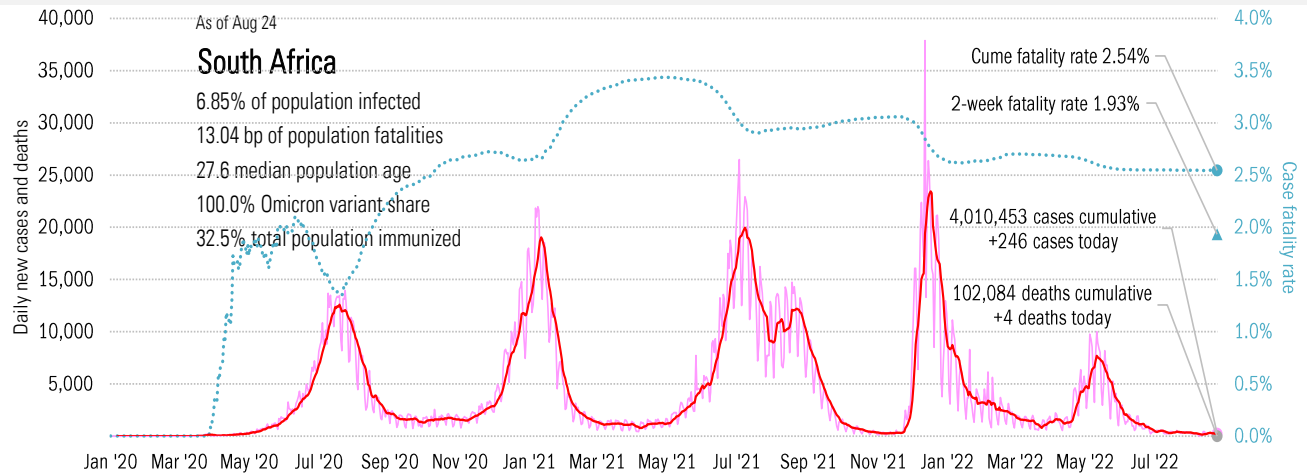
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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