

Data Insights: Covid-2019 Monitor

Sunday, August 21, 2022

The global scorecard

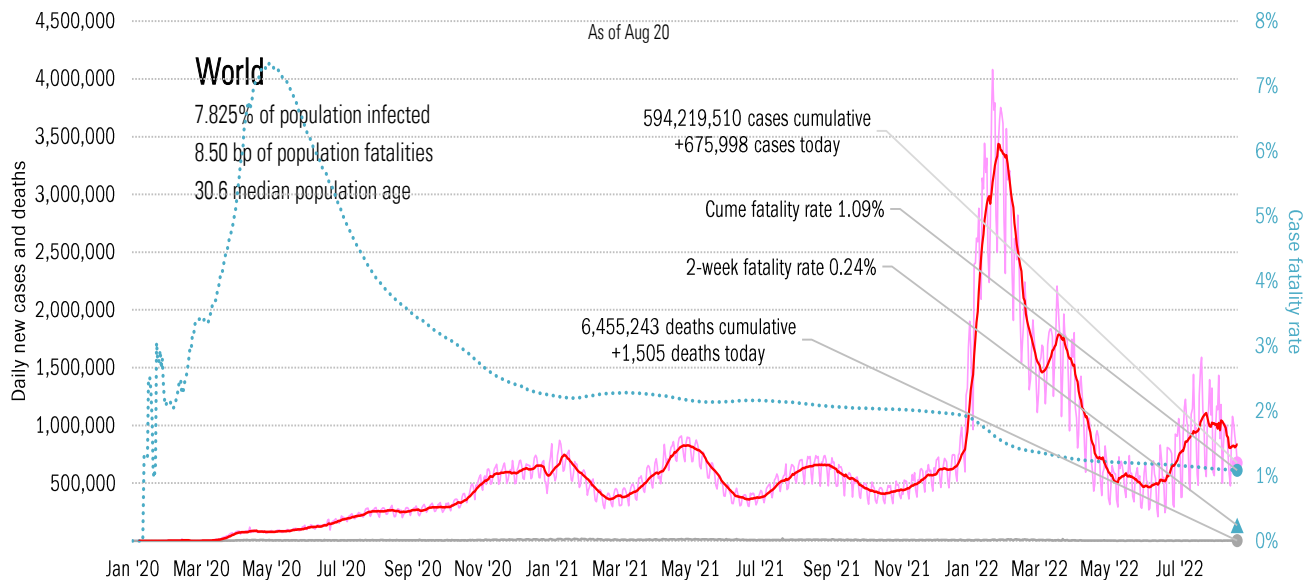
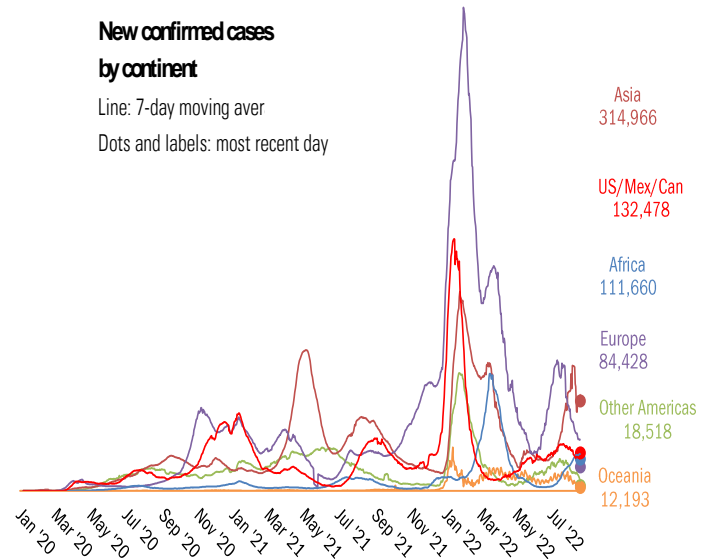
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	253,192	United States	675
United States	138,761	Japan	254
Korea, South	110,944	Italy	88
Russia	39,418	Russia	67
Italy	24,392	Korea, South	64
Taiwan*	22,130	Philippines	47
India	11,539	Iran	44
Chile	10,771	India	43
Australia	9,150	Chile	39
Indonesia	4,922	Taiwan*	36
625,219		1,357	
World	675,998	World	1,505
Top ten	92%	Top ten	90%

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

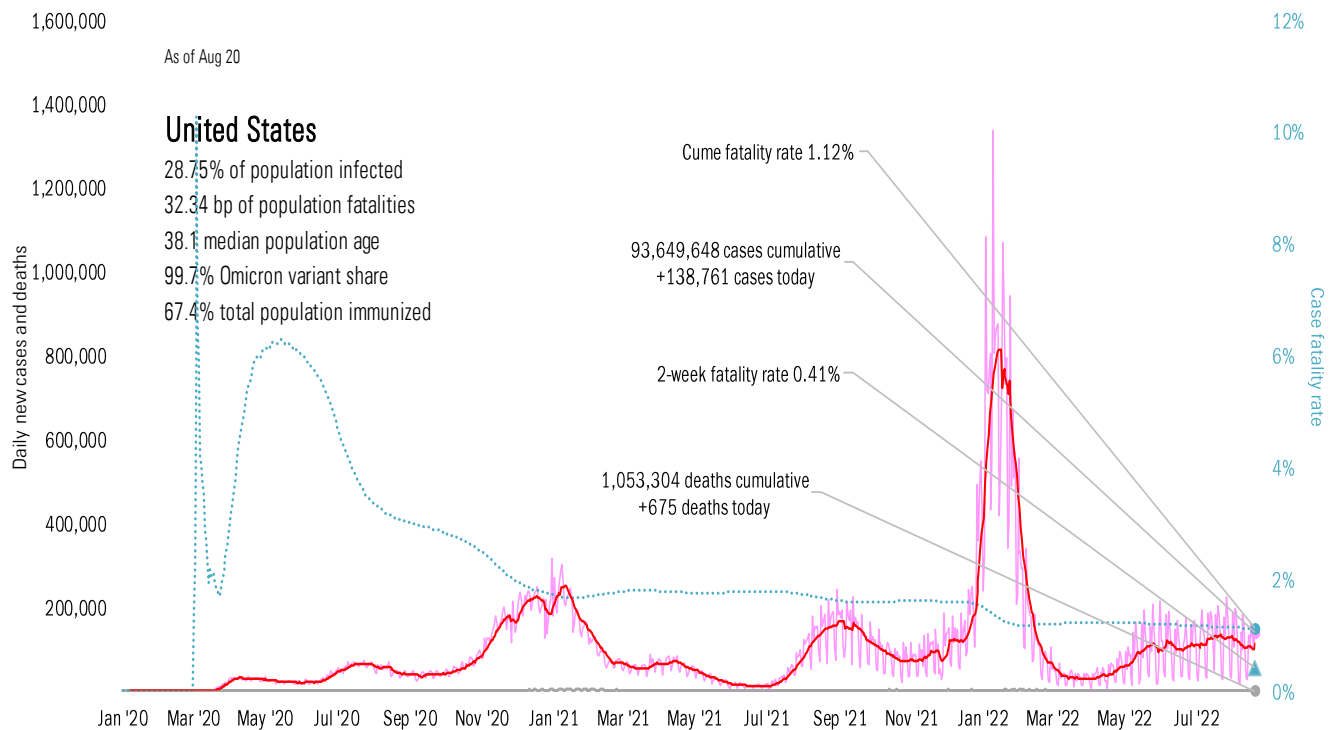
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	27,627		CA	142		GA	289		CA	10,978,199		CA	94,440		TX	532,243		RI	89%	AK	86%
MO	17,796		FL	65		MI	171		TX	7,758,347		TX	89,990		CA	483,054		MA	87%	TX	84%
TX	9,337		TX	49		SC	109		FL	6,971,622		FL	79,015		FL	477,879		GA	86%	VT	84%
FL	6,488		WA	34		PA	227		NY	5,938,892		NY	70,850		NY	288,033		WA	85%	AL	83%
CK	6,063		NY	29		MN	99		IL	3,645,961		PA	46,514		GA	220,298		MO	84%	NC	83%
IN	5,887		IN	27		MO	119		PA	3,150,248		GA	39,472		CH	210,332		MN	84%	WA	82%
IL	4,880		VA	27		IL	207		NC	3,074,964		CH	39,310		PA	196,462		MD	83%	GA	81%
NC	3,906		CK	21		MA	104		CH	3,026,110		IL	39,180		IL	179,618		AK	83%	RI	81%
GA	3,681		GA	21		DC	32		GA	2,829,283		MI	37,774		MI	156,618		WV	82%	MA	80%
CH	3,438		IL	20		NC	168		MI	2,731,787		NJ	34,456		KY	141,174		DE	82%	DC	80%
89,103			435			1,525			50,105,413			571,001			2,885,711						
All states	138,761			675			5,623		All states	93,649,648			1,053,304			5,235,270		All states	70%		67%
Top ten	64%			64%			27%		Top ten	53%			55%			55%		Median	76%		73%

Some states not reporting

Five most improved US states

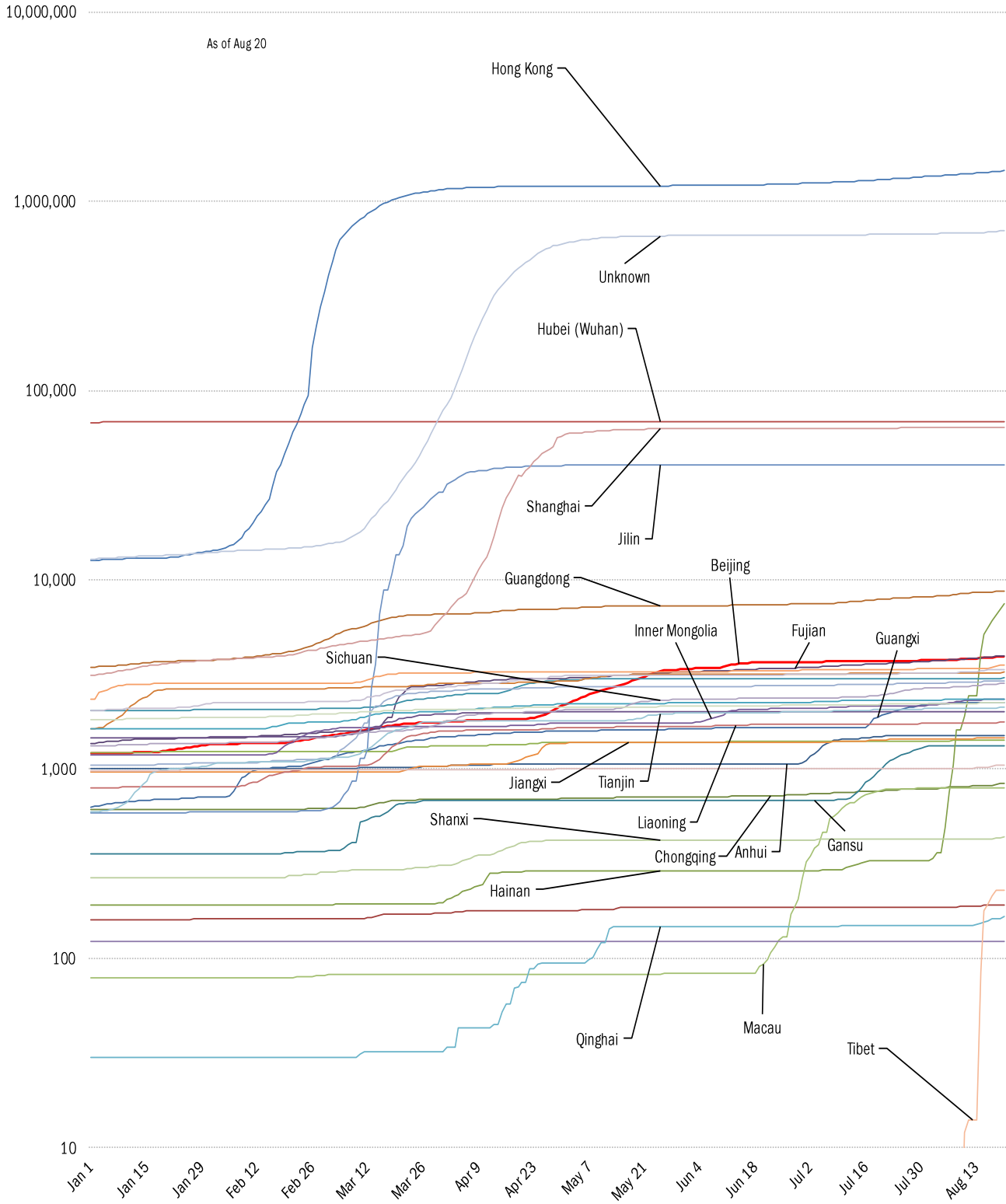
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-2,637	FL	0	IN	-66
CT	-618	AK	0	VA	-57
AR	-83	AL	0	KS	-38
NJ	-78	AR	0	AL	-22
ME	-76	AZ	0	OR	-19



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"

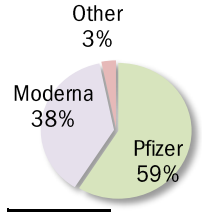


Source: [Johns Hopkins](#), TrendMacro calculations

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	France	78.6%	80.9%
Total population	270,471,978	81%	230,193,455	69%	+0.034 million	Spain	85.5%	86.9%
Age 12 to 17	18,095,150	72%	15,459,413	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,661,461	89%	153,482,893	75%	+0.015 million	Italy	81.0%	85.8%
Age 65 and over	59,665,647	100%	52,194,513	95%	+0.005 million	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%



AK	71.3%
	63.2%

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

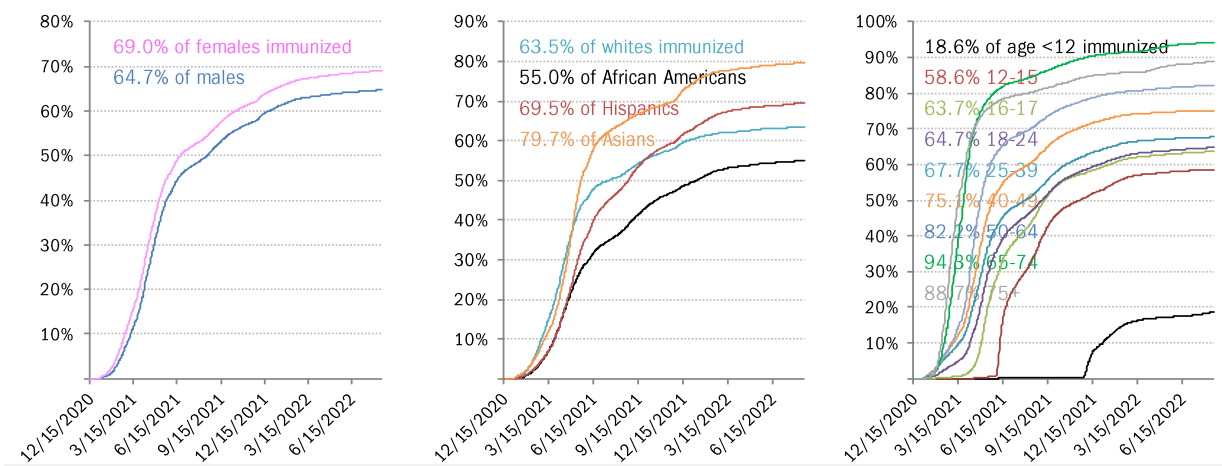
"Immunity" = two doses

Global data differs due to sources, timing

As of Aug 18

					WI					ME
					73.1%					93.0%
					66.5%					81.1%
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%

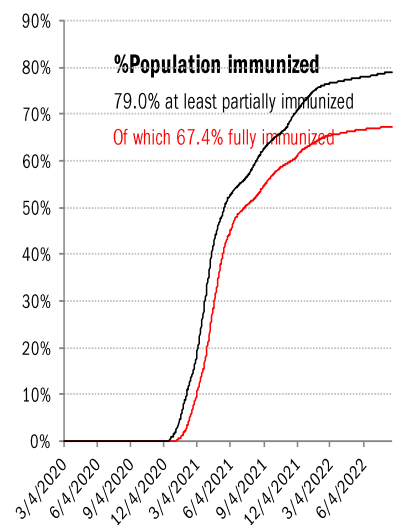
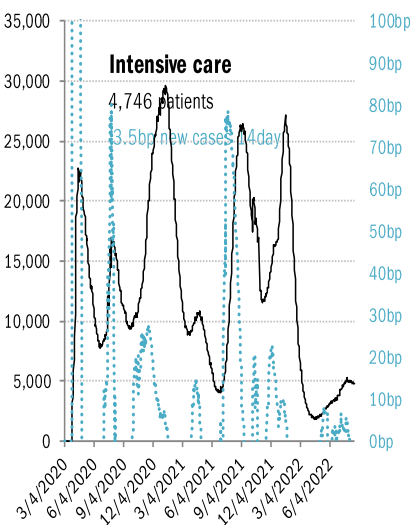
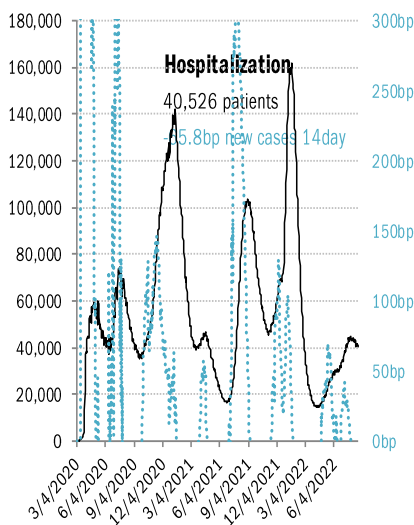
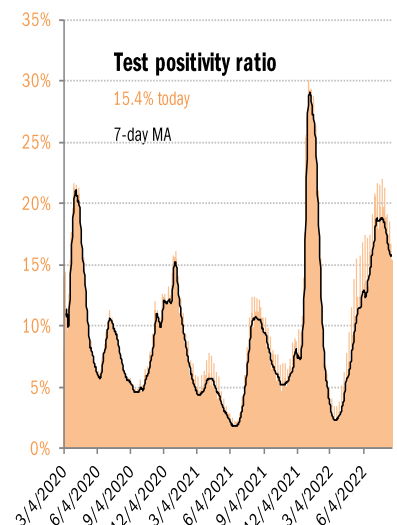
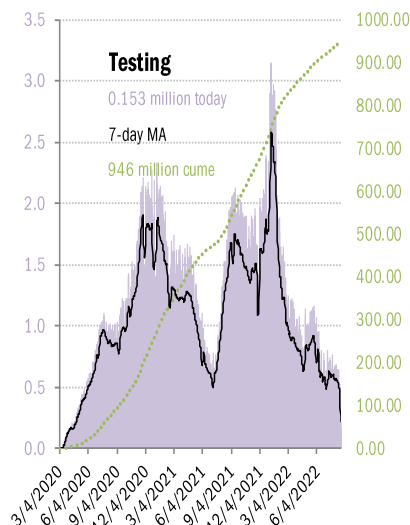
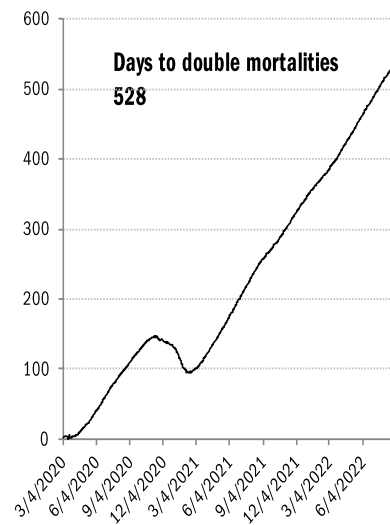
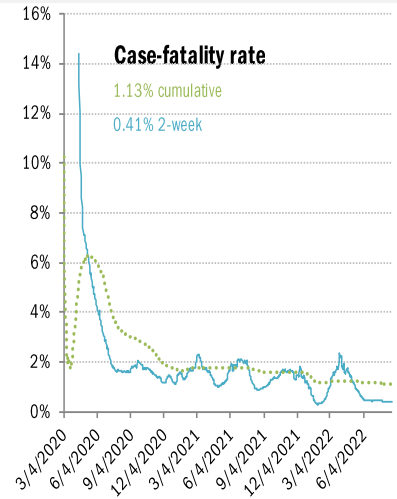
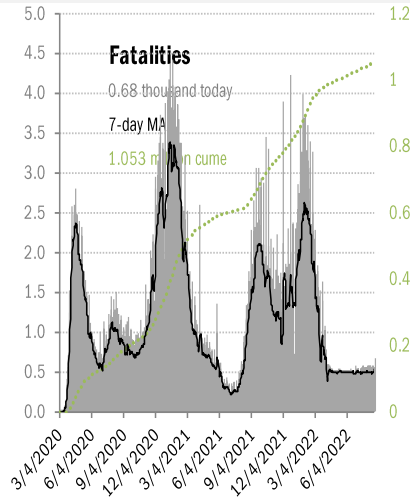
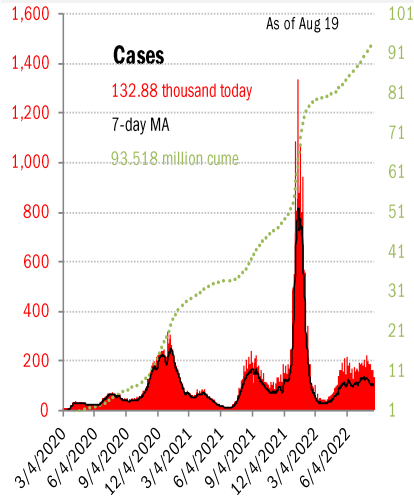
The demographics of US vaccination



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

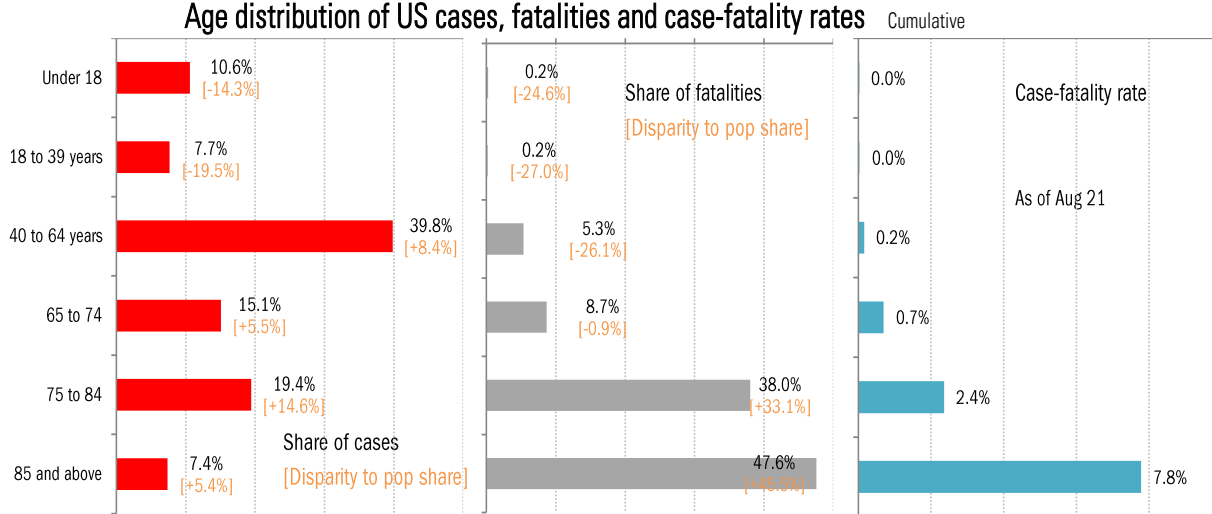
US deep-dive

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

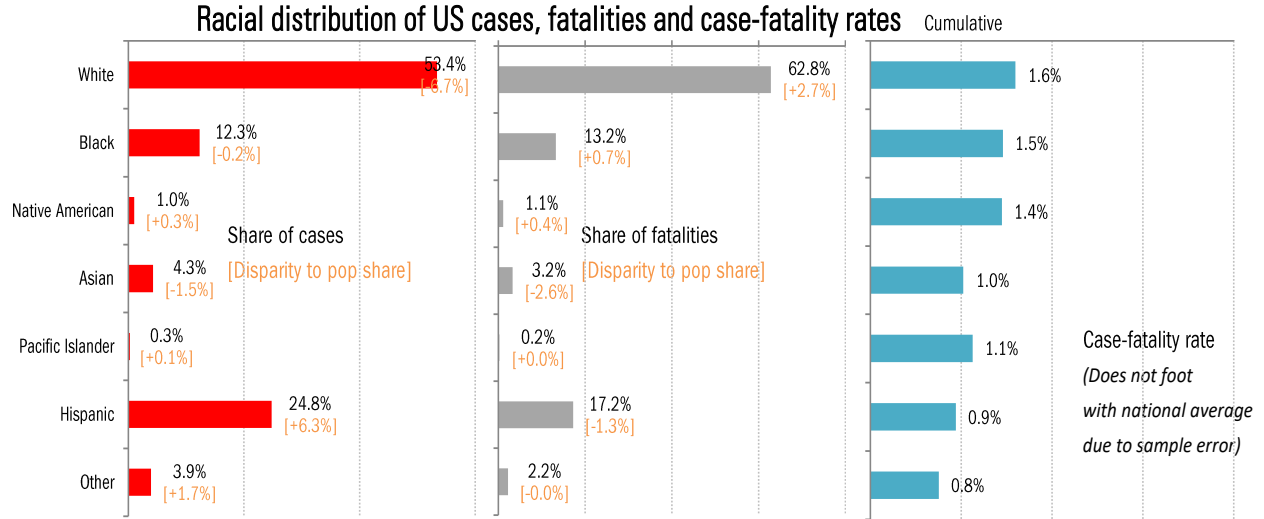


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

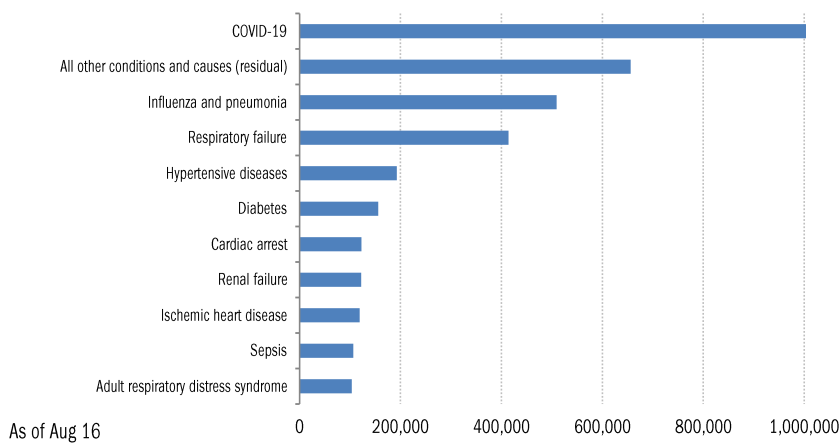


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[The Death of Downtown?](#)

Karen Chapple et al.
Institute of Governmental Studies
June 2022

[Will Our Cities Come Back?](#)

John Hinderaker
Power Line Blog
August 19, 2022

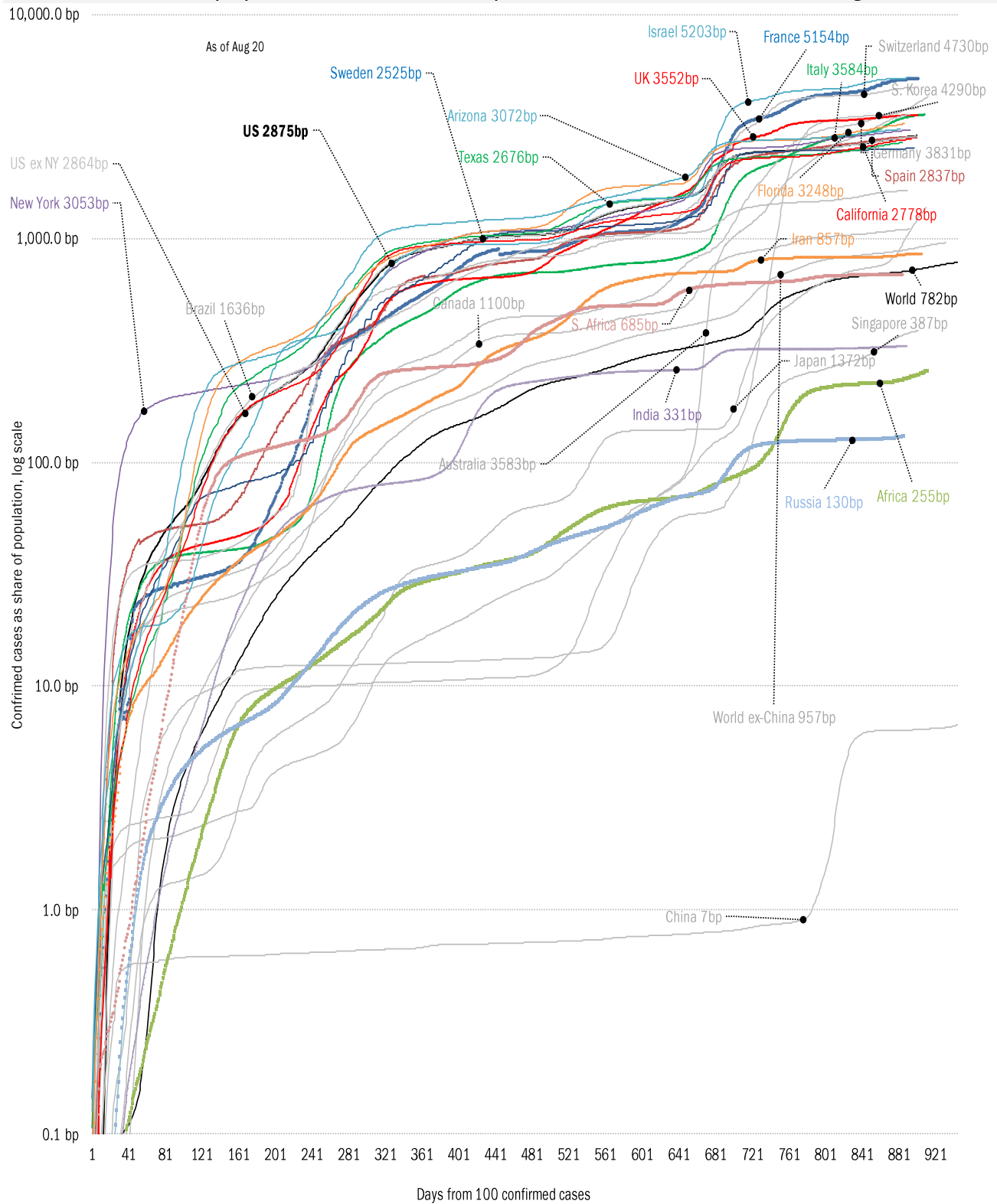
Meme of the day



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

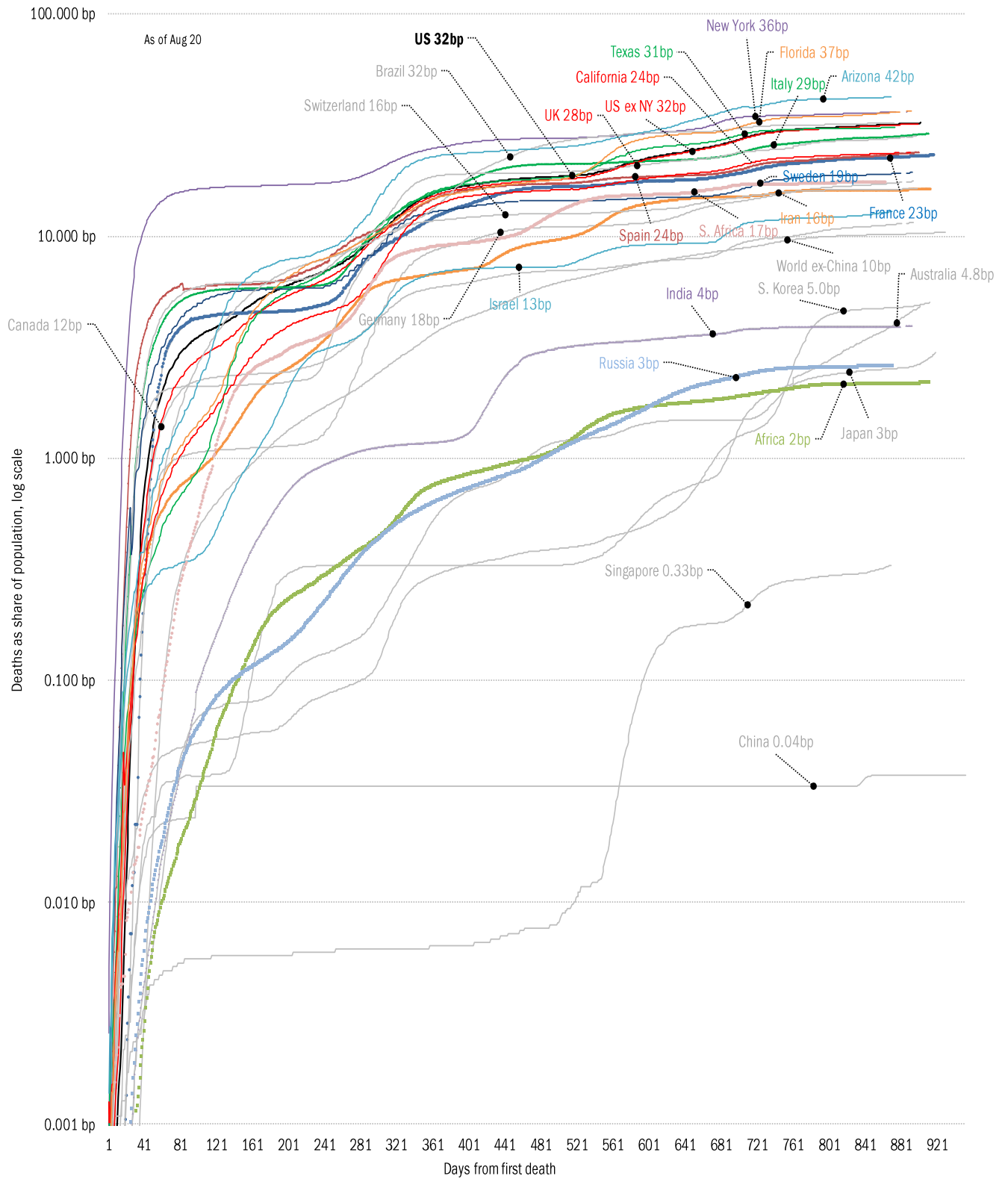
The global coronavirus case accelerometer... tracking the world's infection curves

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

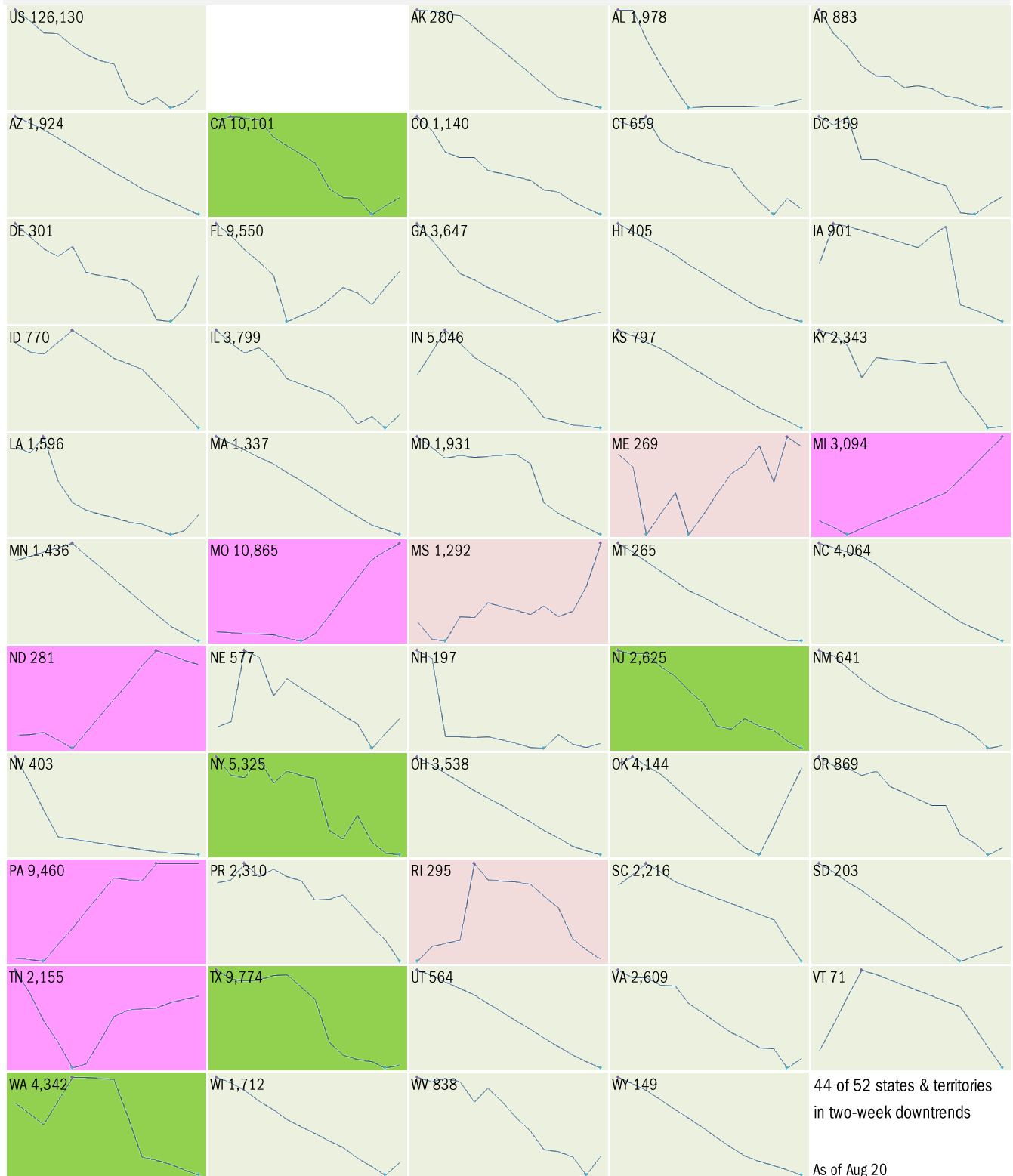


Source: [Johns Hopkins](#), TrendMacro calculations

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

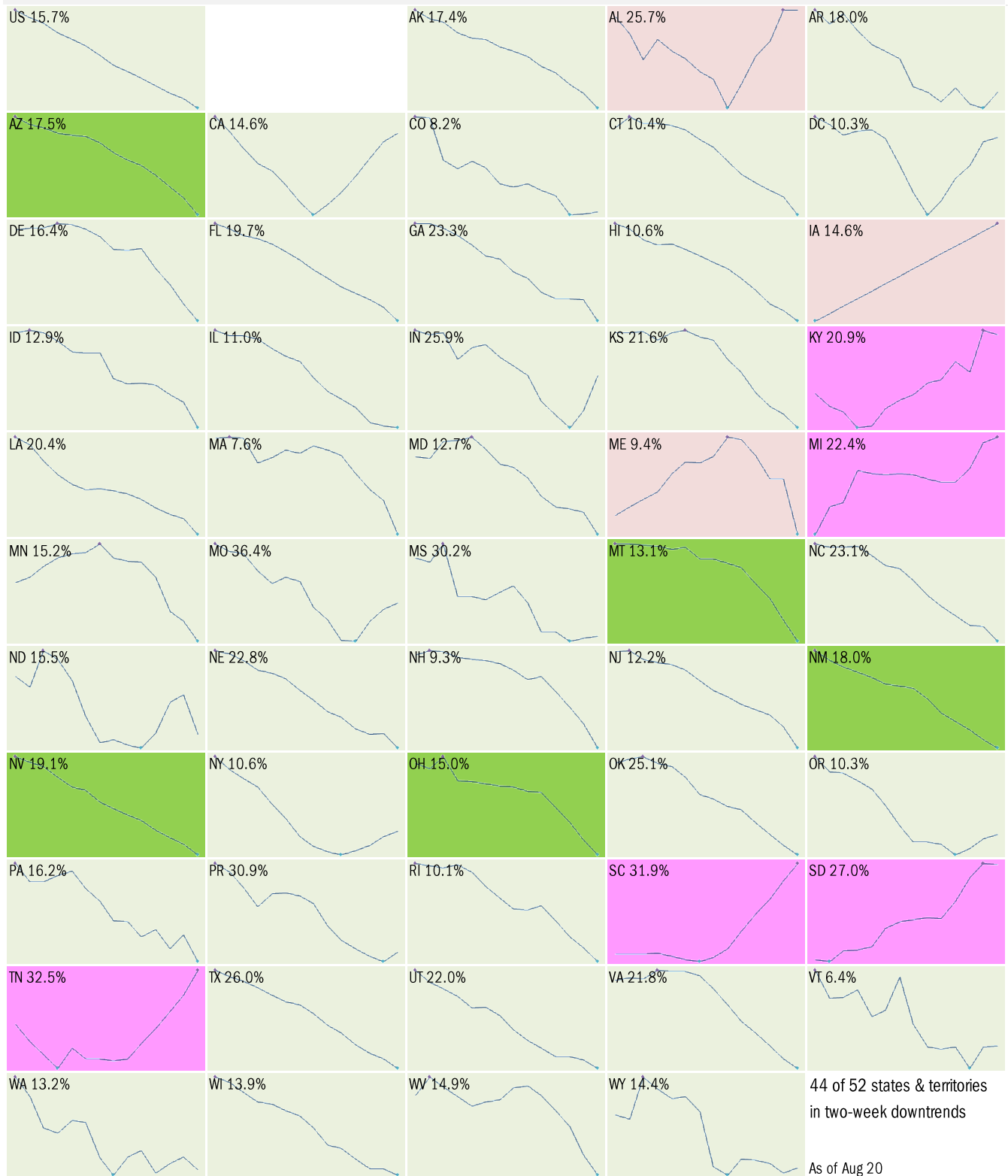


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

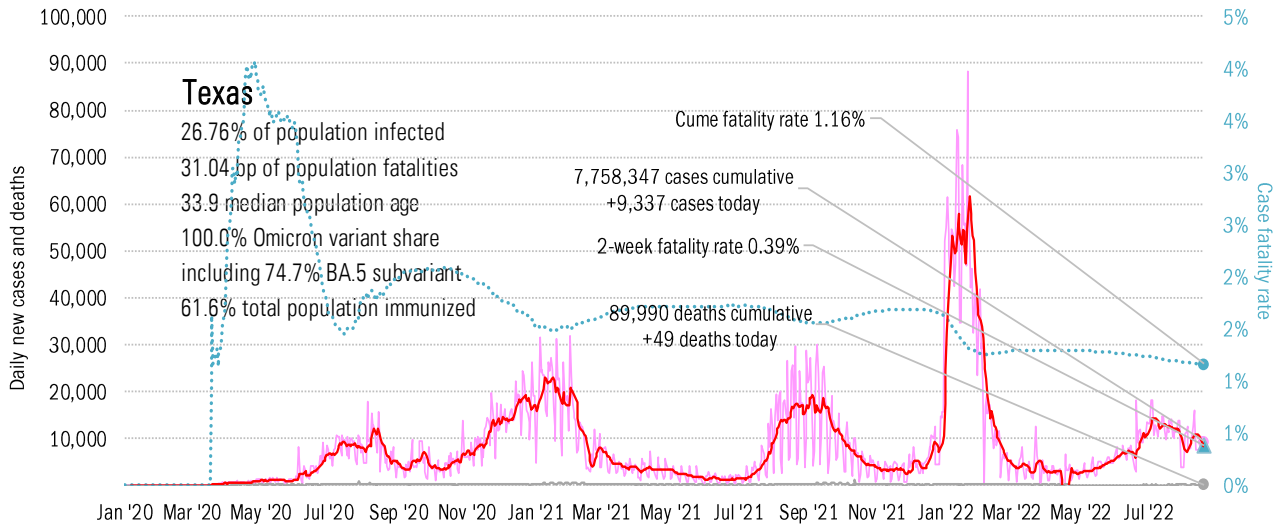
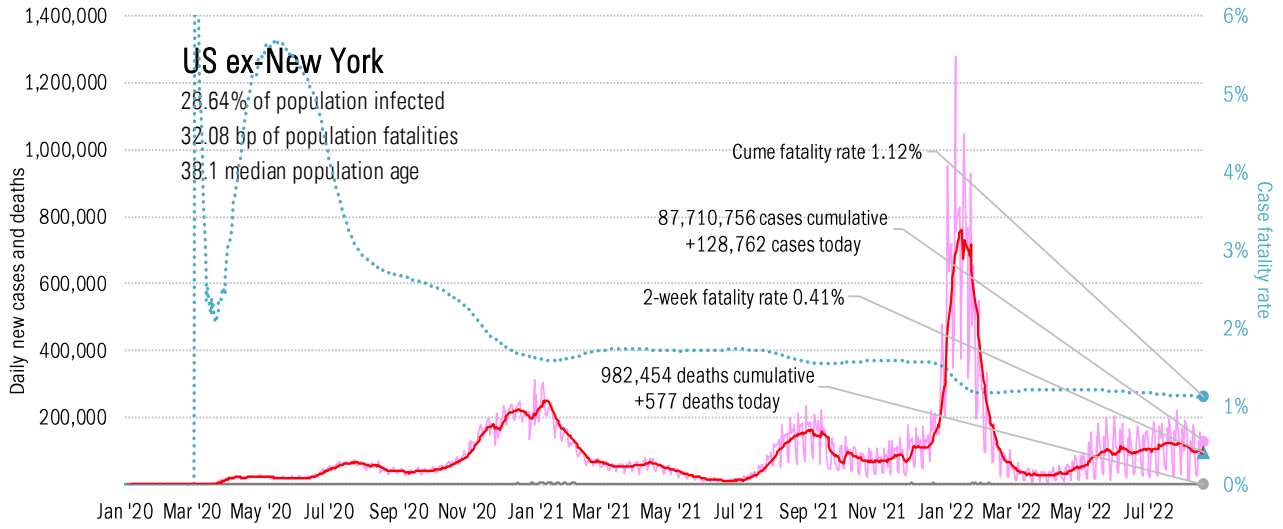
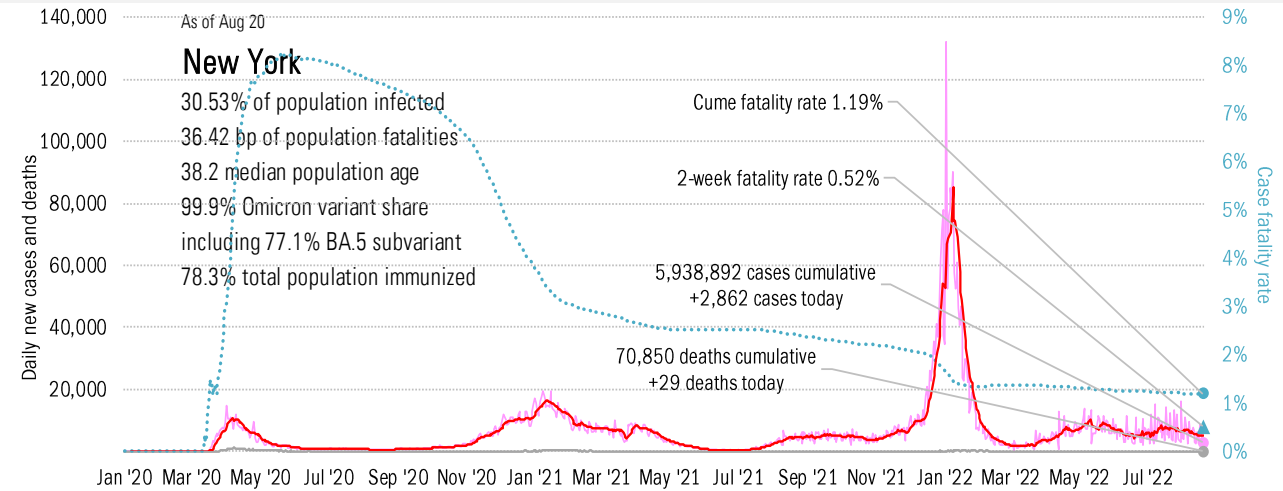
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

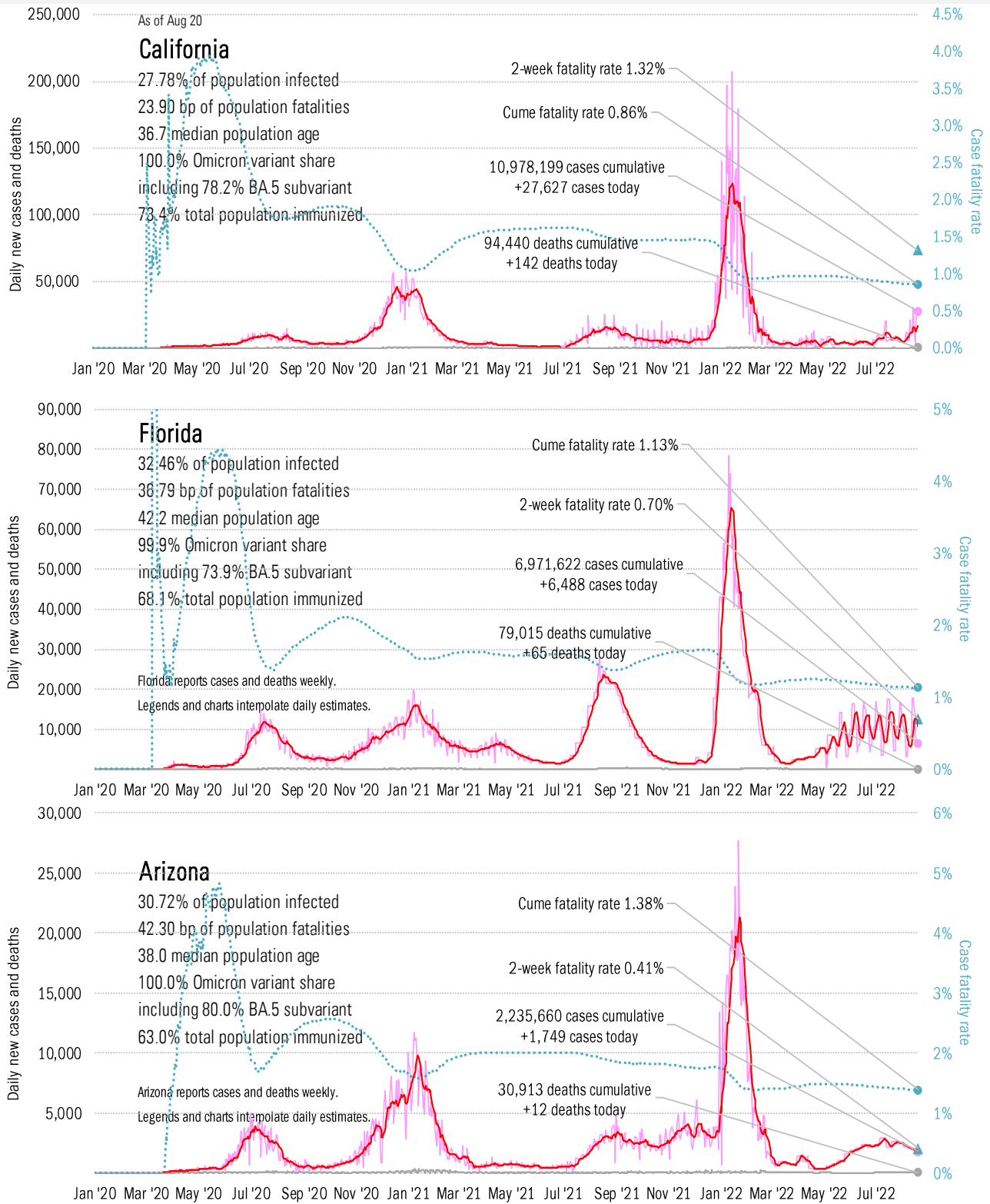
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

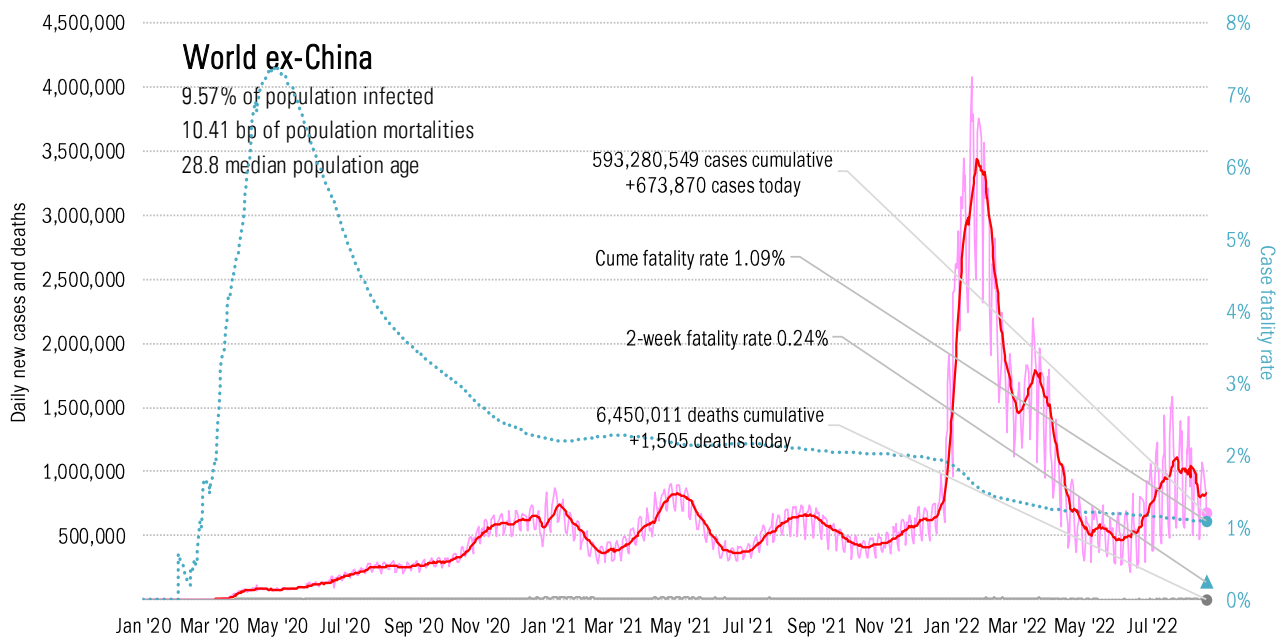
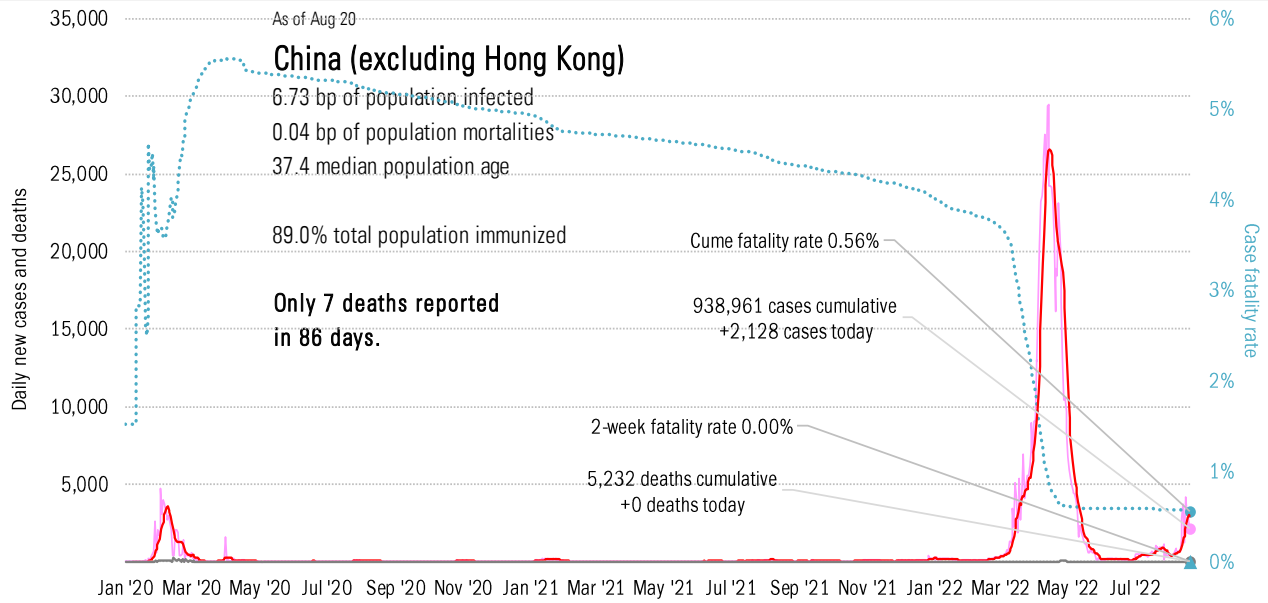
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

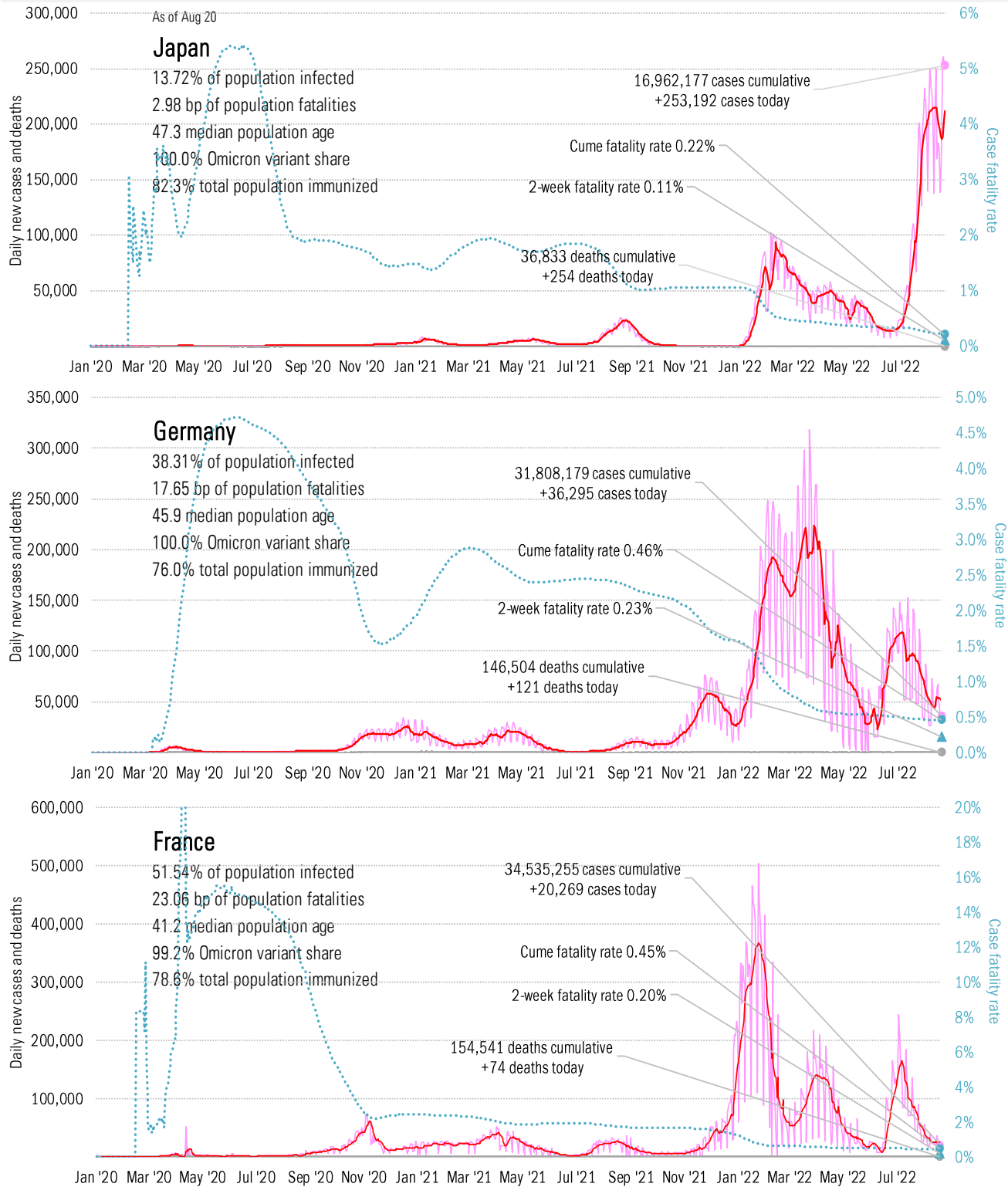
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

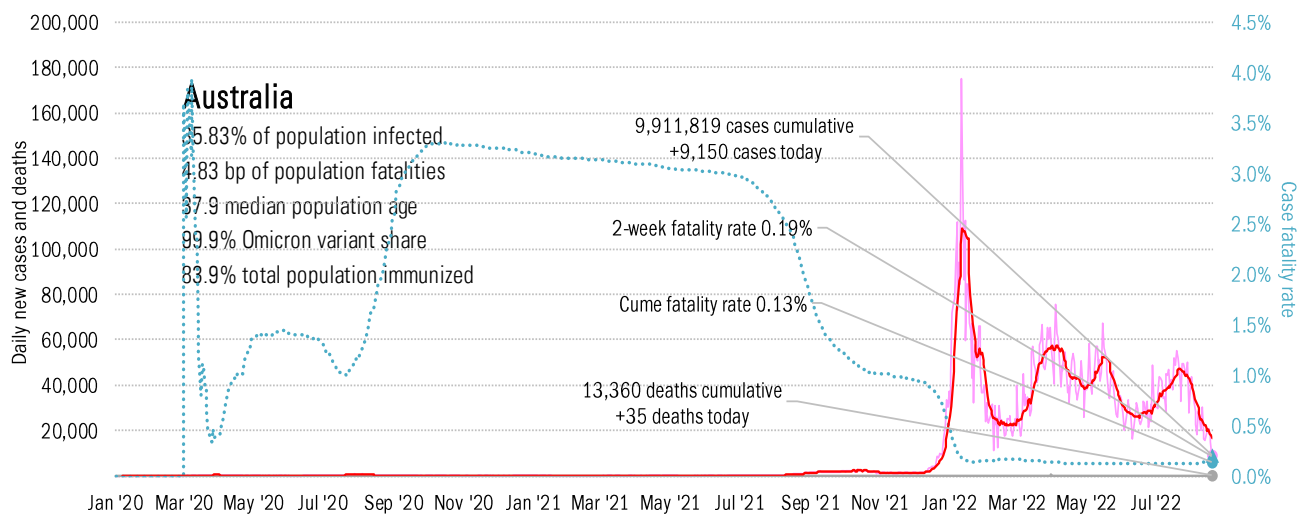
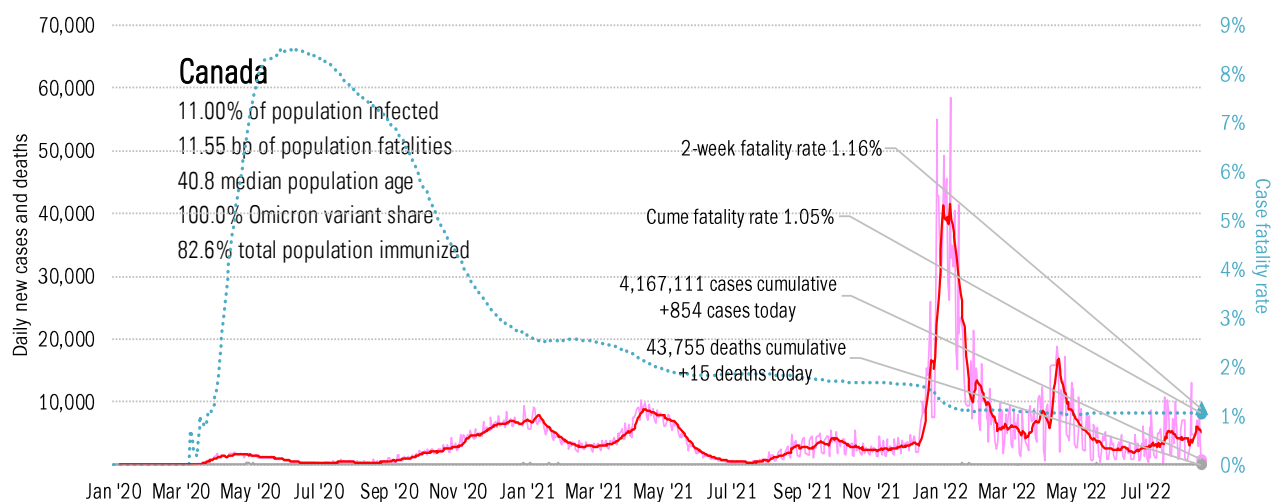
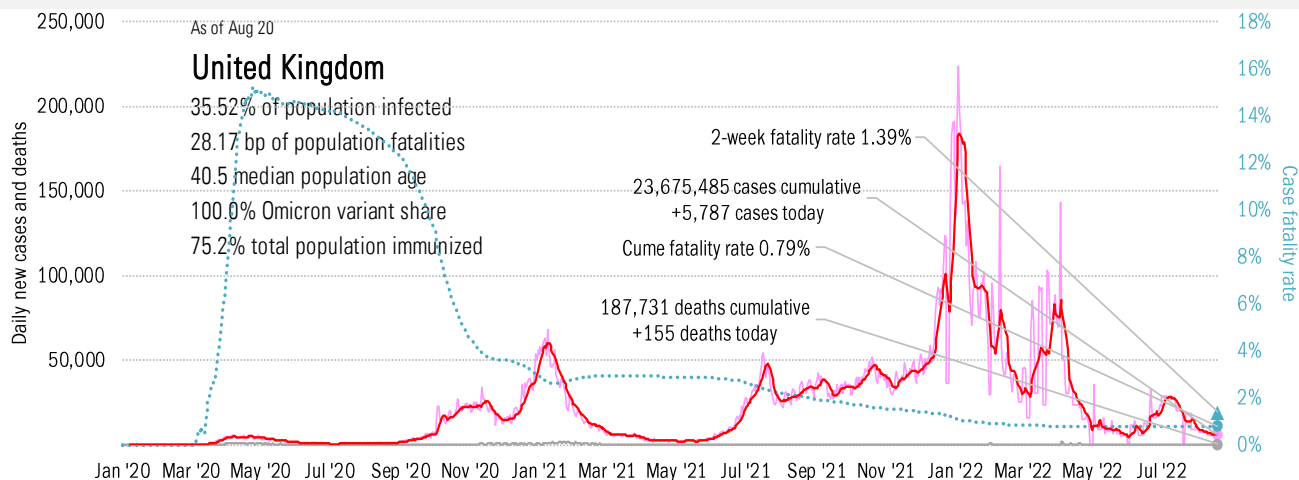
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

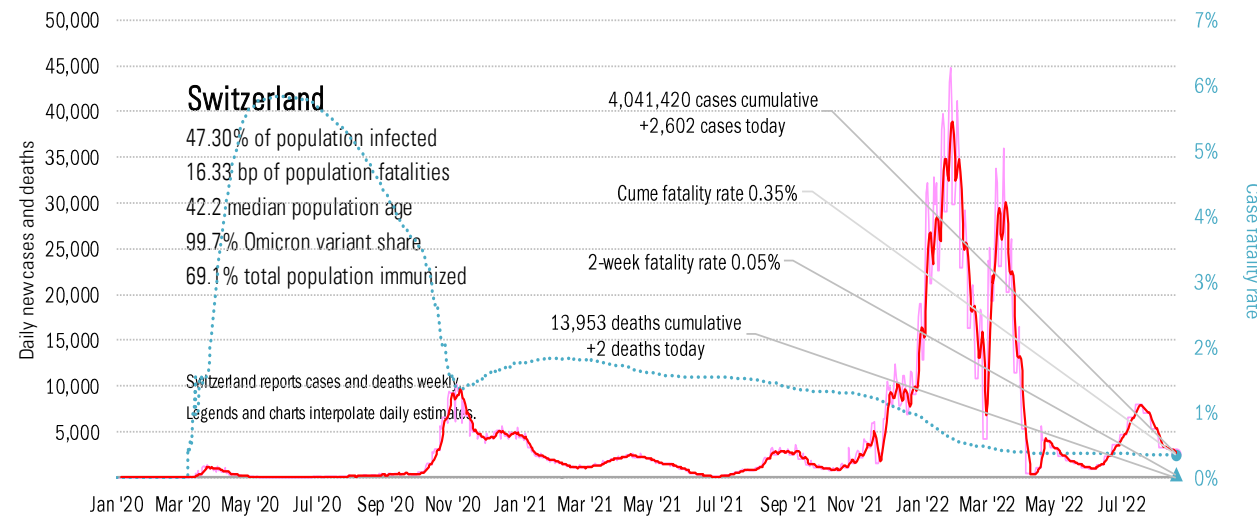
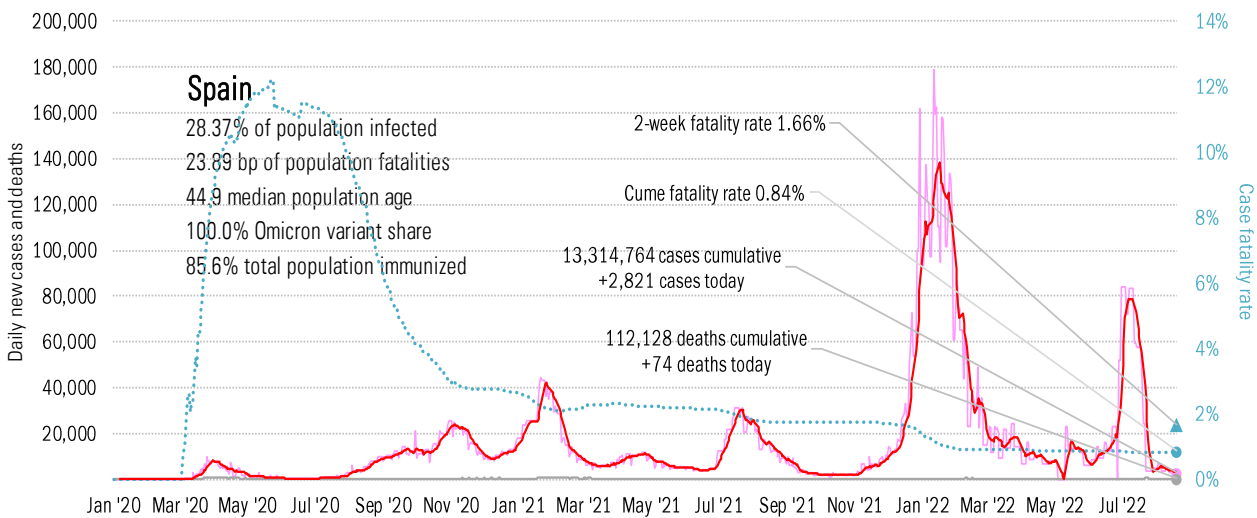
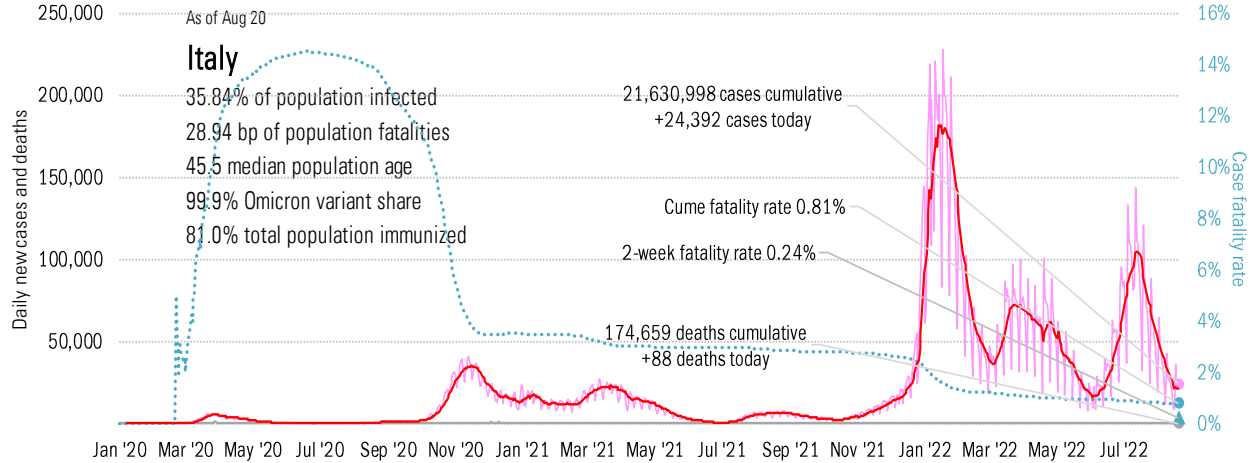
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

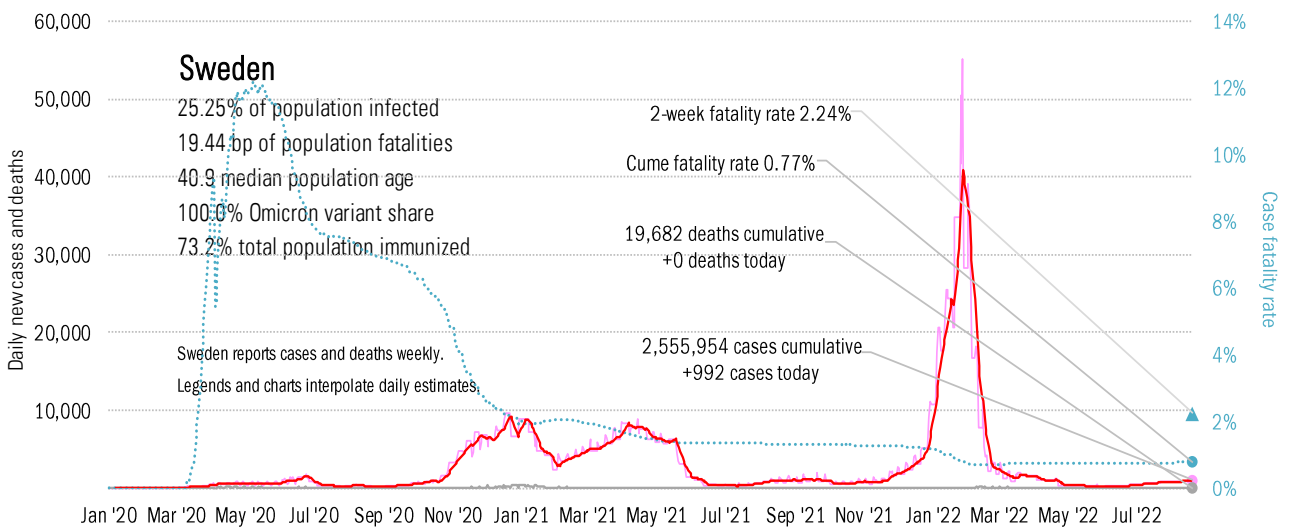
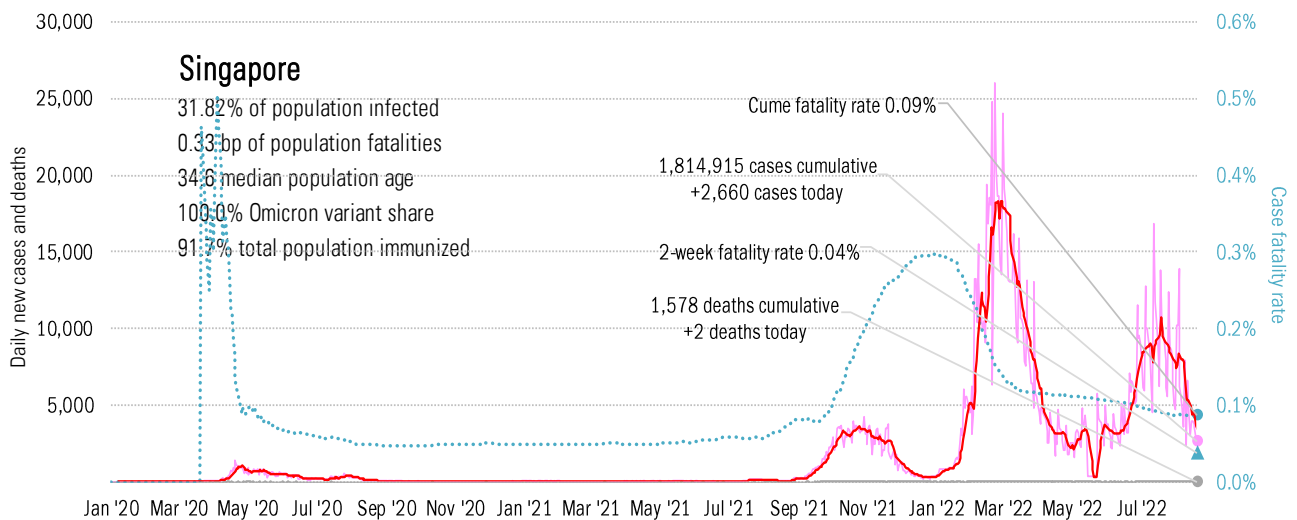
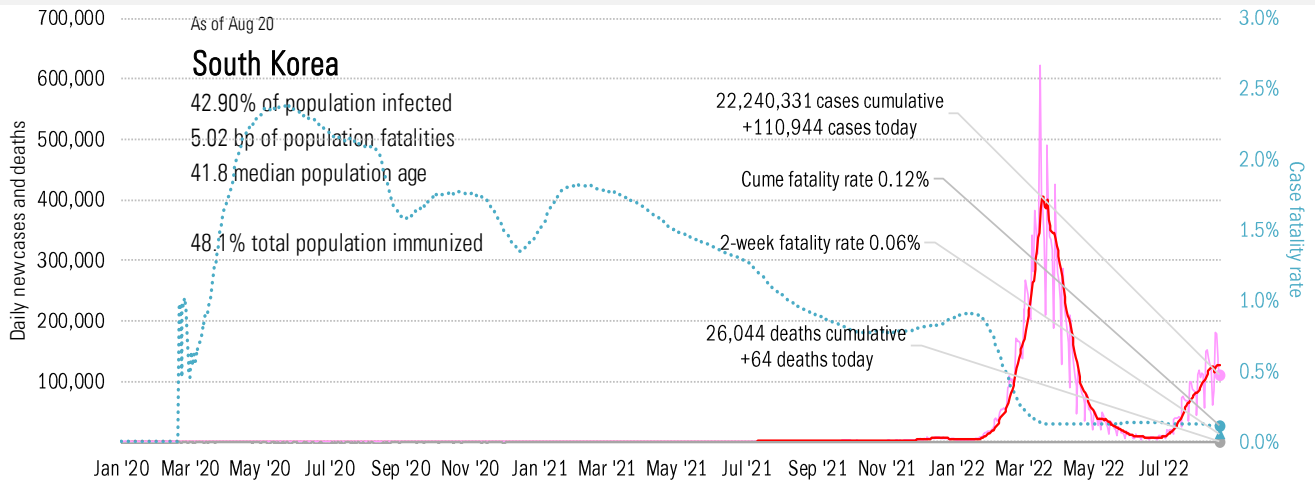
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

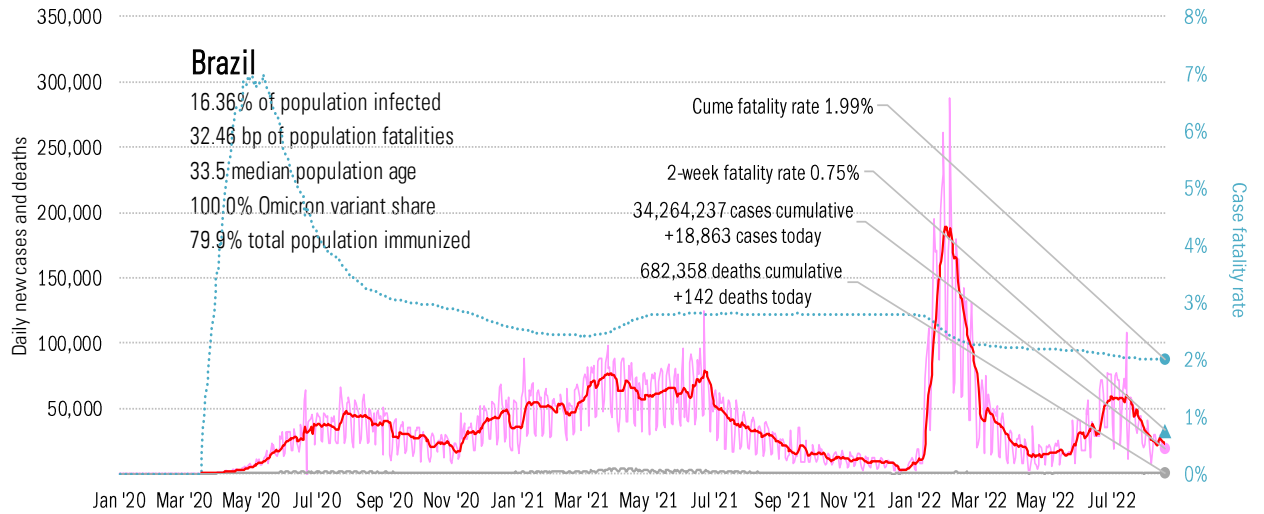
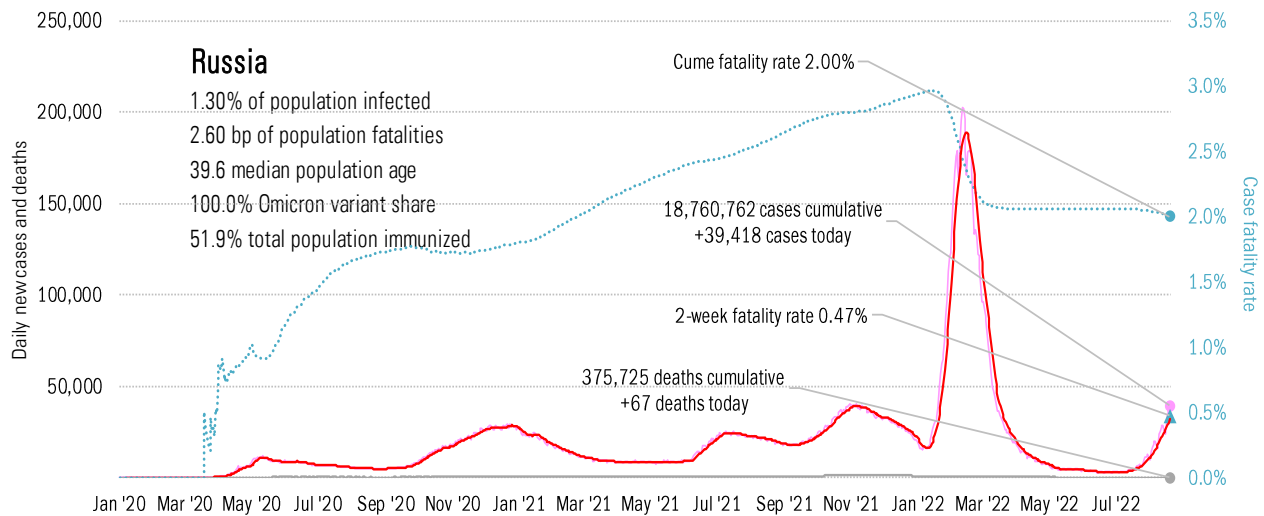
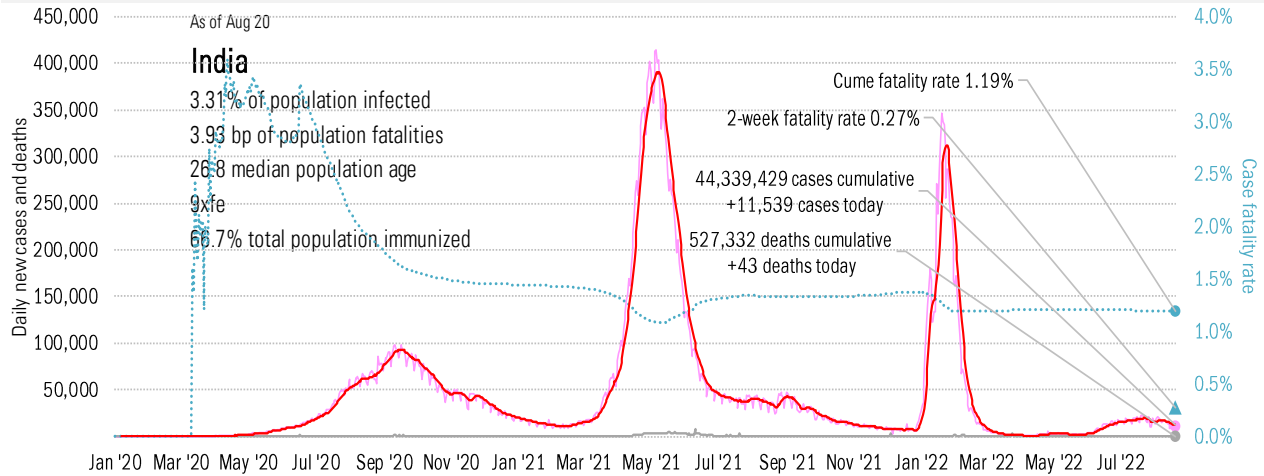
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

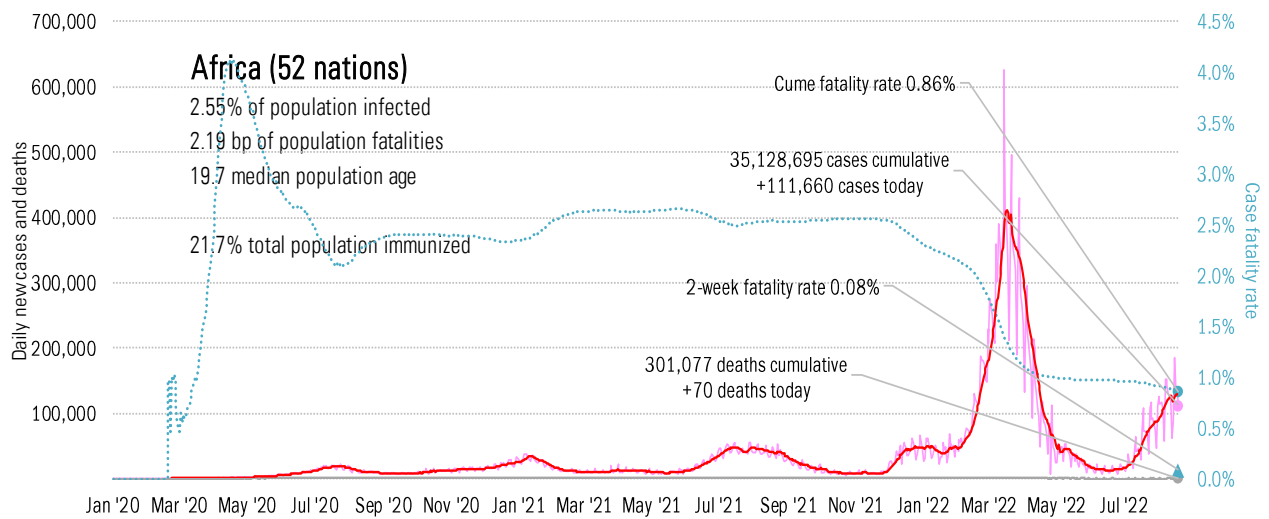
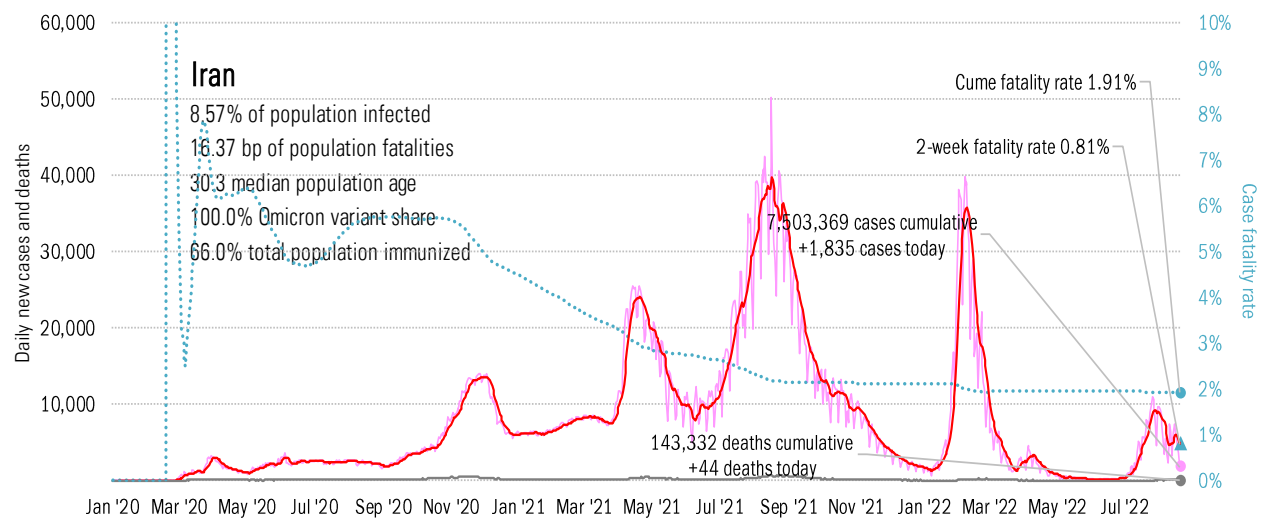
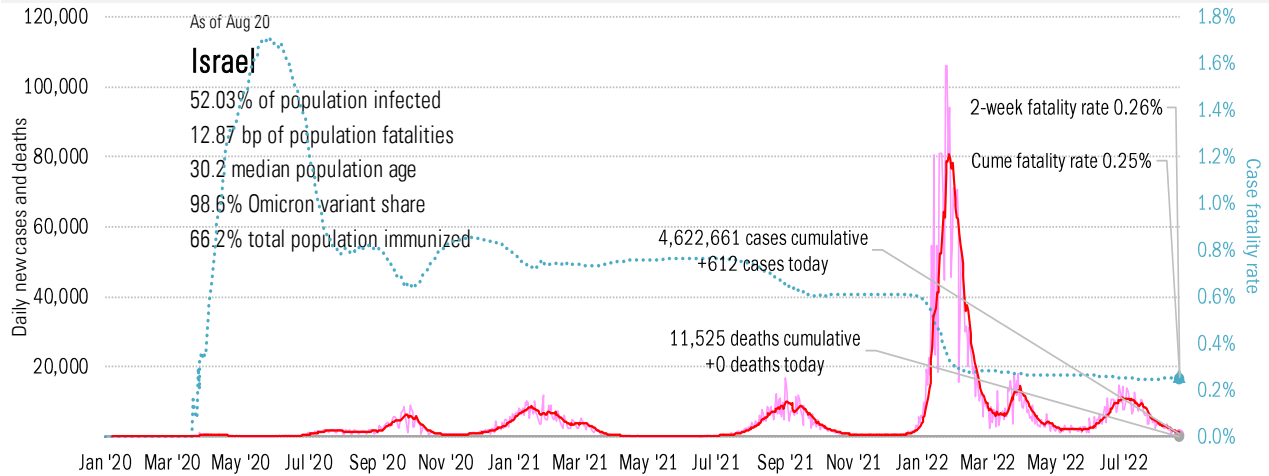
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

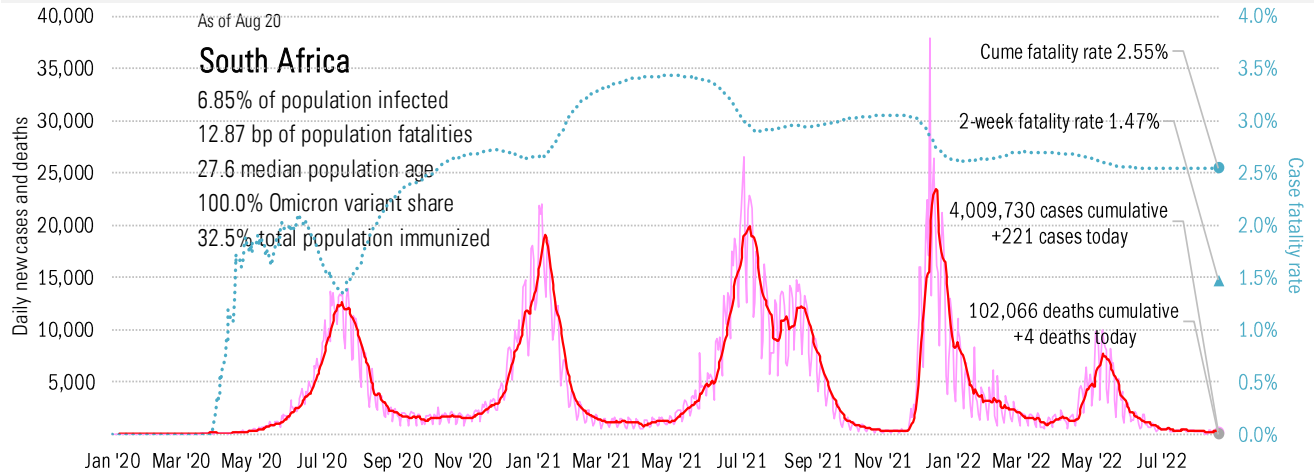
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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