

Data Insights: Covid-2019 Monitor

Monday, August 8, 2022

The global scorecard

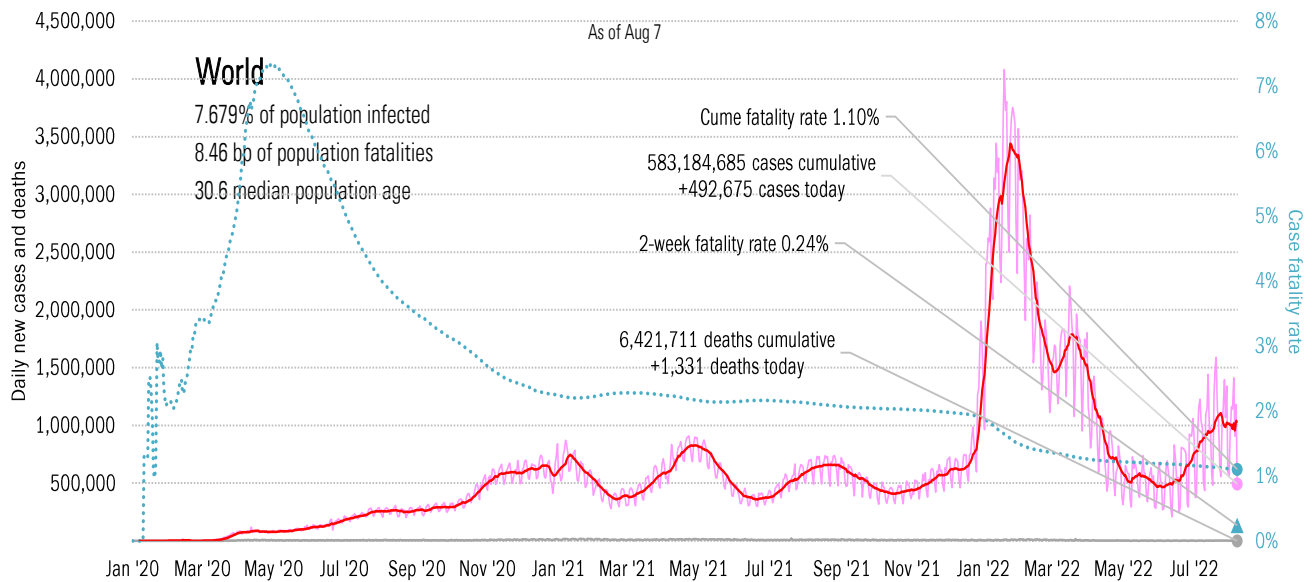
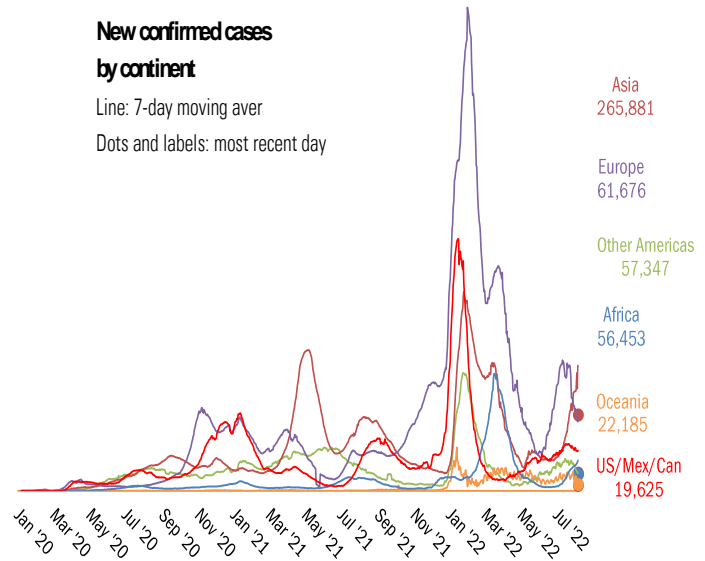
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	206,421	United States	630
United States	161,669	Japan	152
Korea, South	55,292	Italy	74
Argentina	42,227	Argentina	71
Italy	26,656	Iran	63
Taiwan*	22,042	Brazil	57
Russia	20,026	Russia	43
Australia	18,010	Taiwan*	42
Chile	9,811	Thailand	34
Brazil	7,198	Korea, South	29
569,352		1,195	
World	492,675	World	1,331
Top ten	116%	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

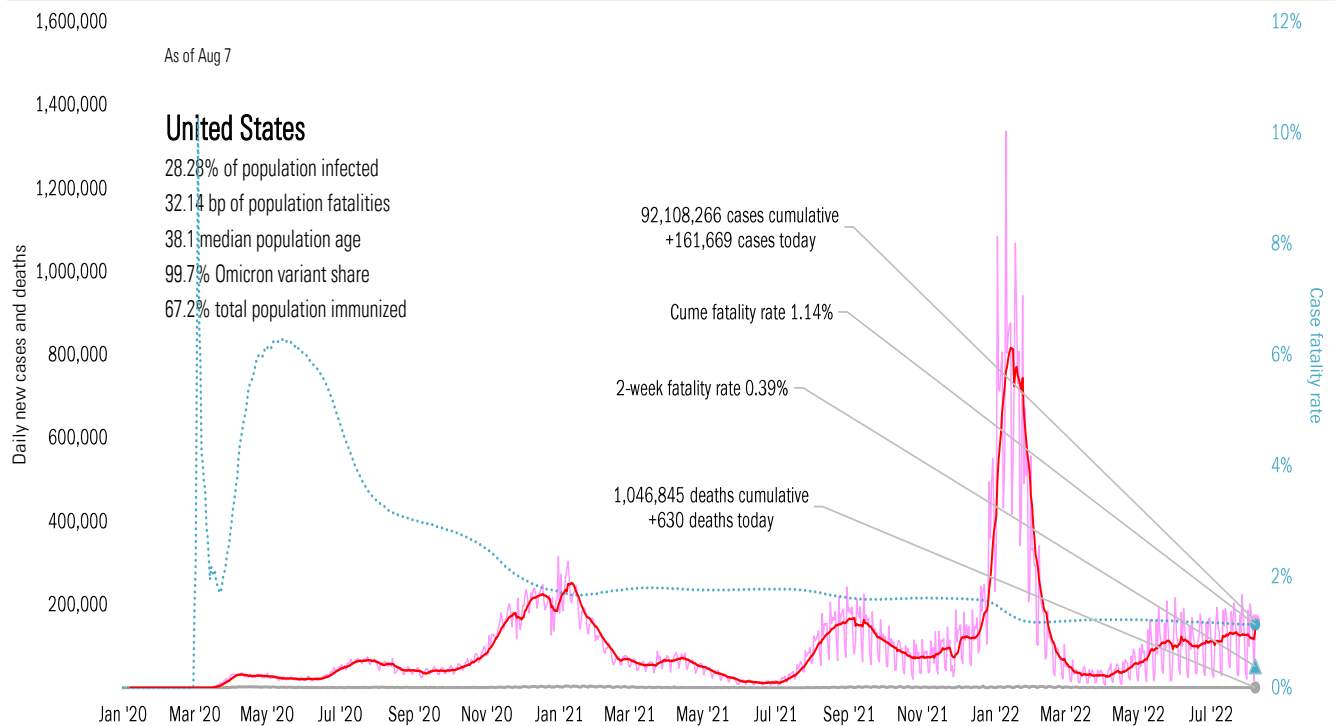
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
CA	36,898		CA	128		FL	744		CA	10,810,291		CA	93,816		TX	525,881		RI	90%		AK	85%	
TX	11,999		FL	69		TX	627		TX	7,612,091		TX	89,463		CA	475,629		MA	86%		RI	84%	
MA	10,584		MO	60		IL	245		FL	6,851,175		FL	78,071		FL	470,199		MN	84%		TX	83%	
MO	9,871		NY	31		PA	213		NY	5,866,926		NY	70,490		NY	283,697		WA	83%		NC	83%	
KS	6,618		IN	30		TN	128		IL	3,594,415		PA	46,261		GA	217,519		WV	82%		MA	82%	
IL	6,257		VA	30		LA	143		PA	3,105,341		GA	39,173		CH	207,442		MD	82%		CR	81%	
IN	5,934		NC	29		NJ	173		NC	3,016,395		CH	39,133		PA	193,766		MO	82%		AL	80%	
NC	4,752		WA	28		AR	80		CH	2,976,027		IL	38,966		IL	176,797		DE	82%		NM	79%	
OK	4,367		CR	19		MN	91		GA	2,778,580		MI	37,534		MI	154,630		DC	81%		DC	79%	
WA	4,302		GA	18		NC	184		MI	2,692,485		NJ	34,337		KY	139,784		GA	81%		NE	77%	
101,582			442			2,628			49,303,726			567,244			2,845,344								
All states			630			6,286			All states			1,046,845			5,163,722			All states		70%			
Top ten			70%			42%			Top ten			55%			55%			Median		75%			

Some states not reporting

Five most improved US states

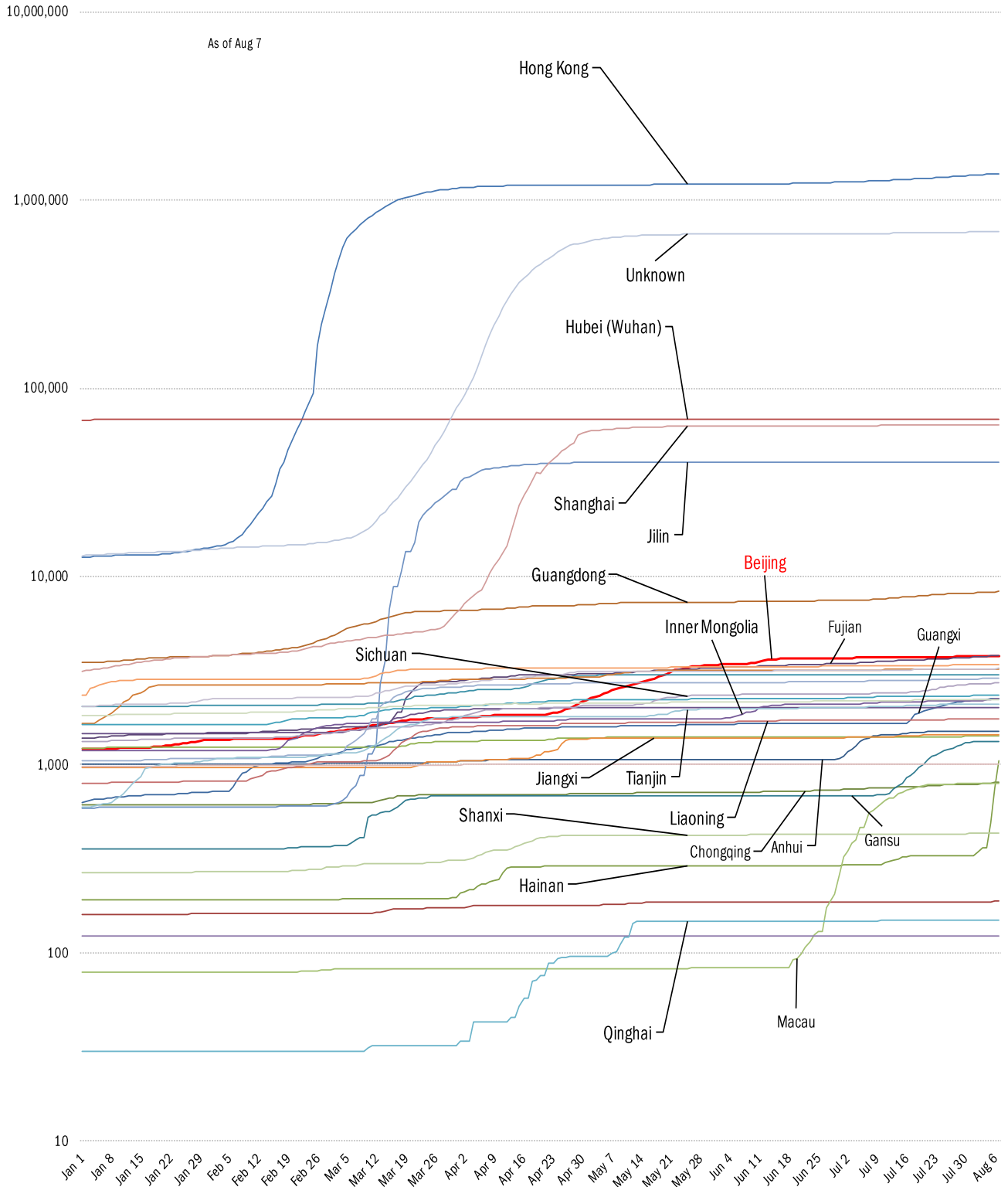
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NM	-1,046	NJ	-7	IN	-30
NJ	-971	AK	0	IA	-24
NV	-648	AL	0	DE	-16
NY	-548	AR	0	MD	-7
CT	-441	AZ	0	RI	-6



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"

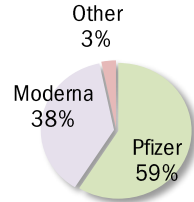


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	619,466,336		+0.084 million		US	67.2%	78.8%	
of which boosters	109,565,113		+0.054 million		UK	75.0%	79.8%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.9%
Total population	269,710,457	81%	229,430,100	69%	+0.021 million	Spain	85.5%	86.9%
Age 12 to 17	18,032,248	71%	15,411,357	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,358,338	89%	153,011,960	75%	+0.013 million	Italy	81.0%	85.8%
Age 65 and over	59,584,000	100%	52,121,257	95%	+0.004 million	Australia	83.9%	86.4%
						Israel	66.2%	72.3%
						Canada	82.6%	86.0%
						Japan	82.3%	83.4%
						Africa	20.9%	26.6%
						India	66.4%	72.6%
						Brazil	79.4%	86.4%
						China	88.7%	91.1%



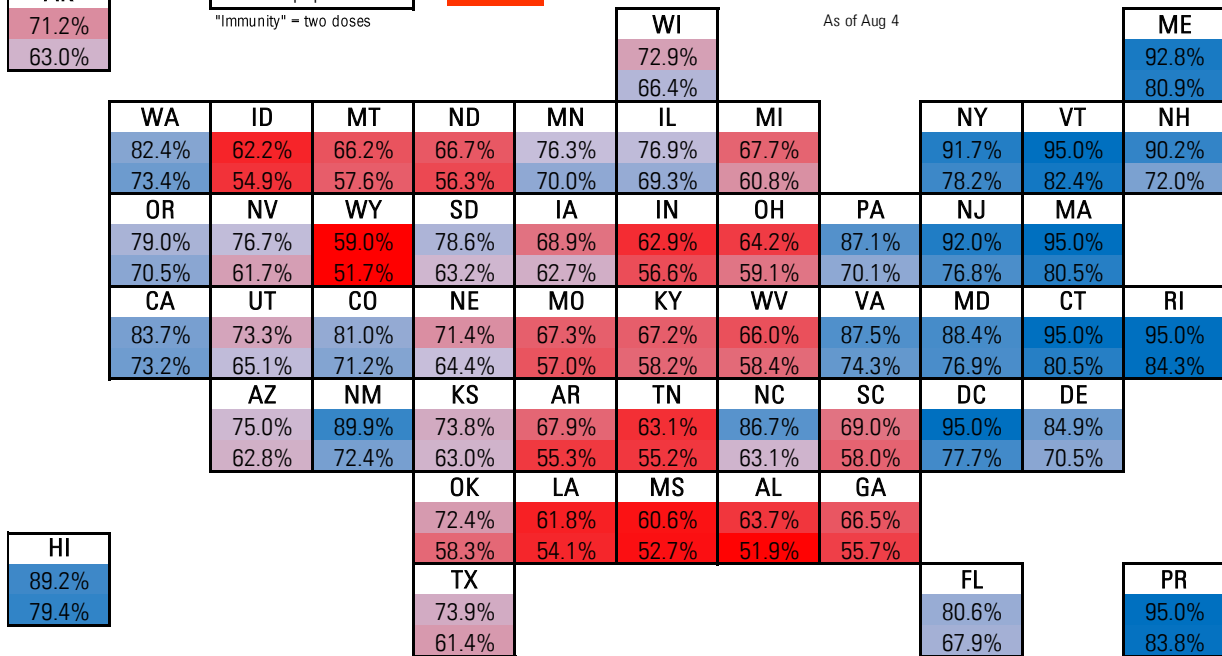
AK	71.2%
	63.0%

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

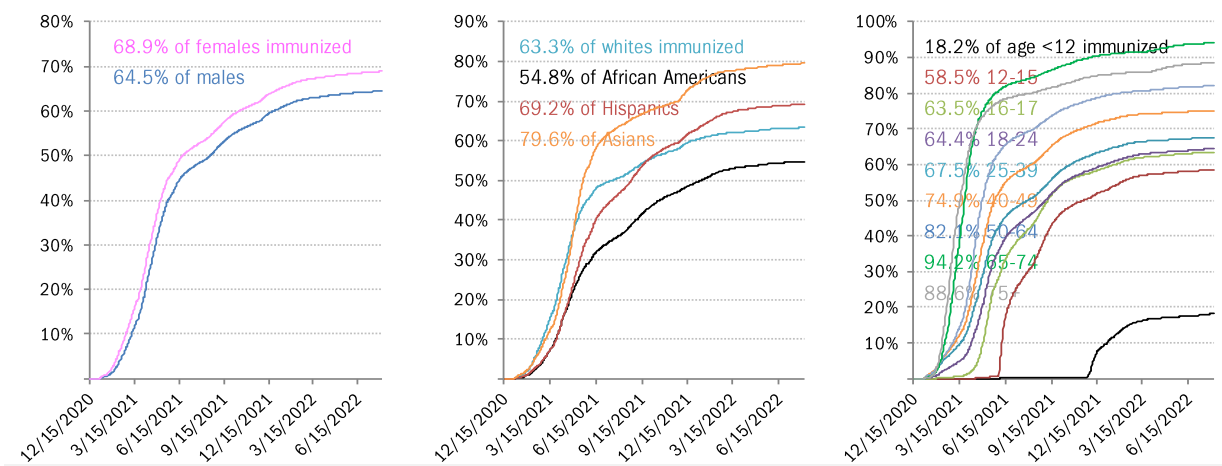
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing



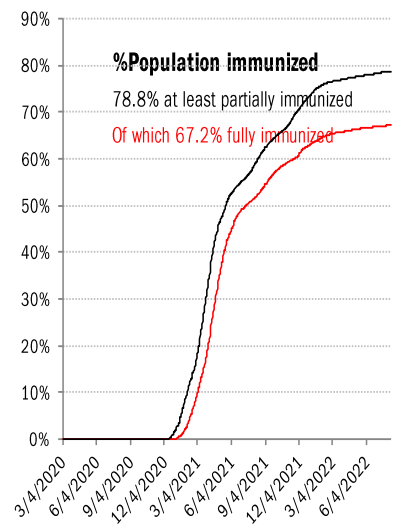
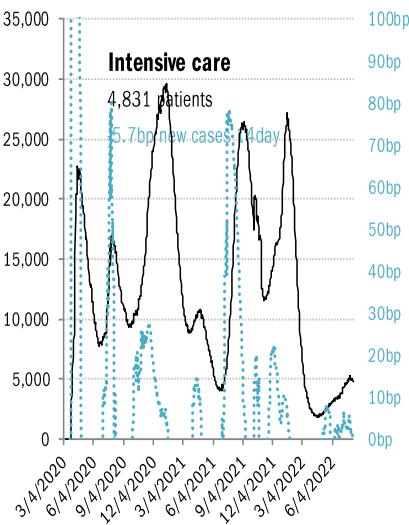
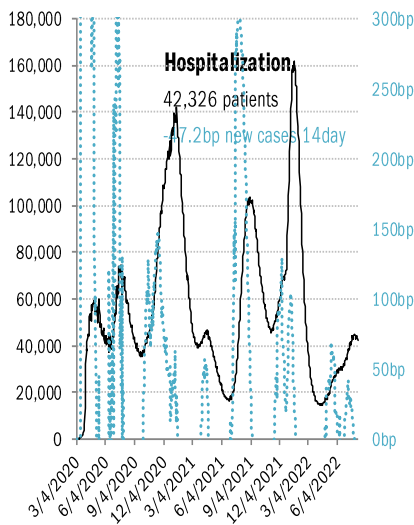
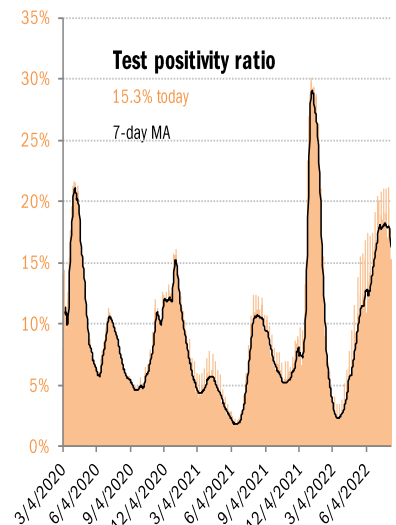
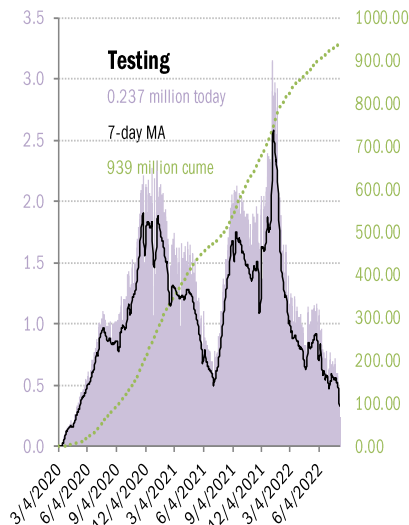
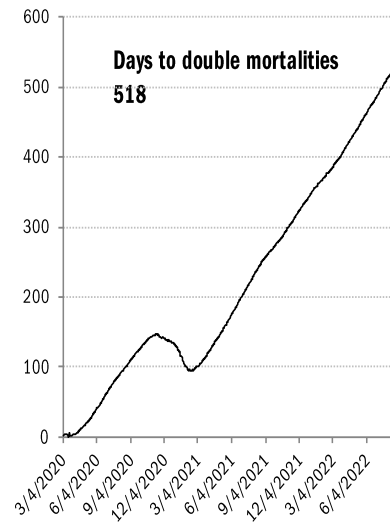
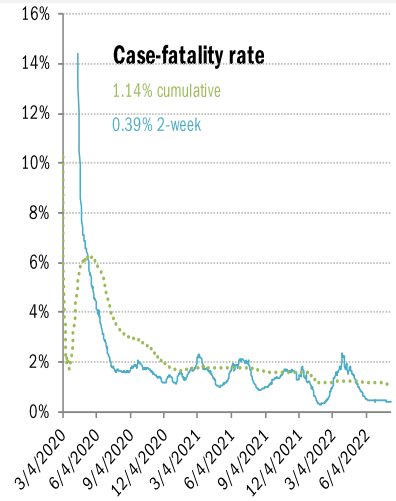
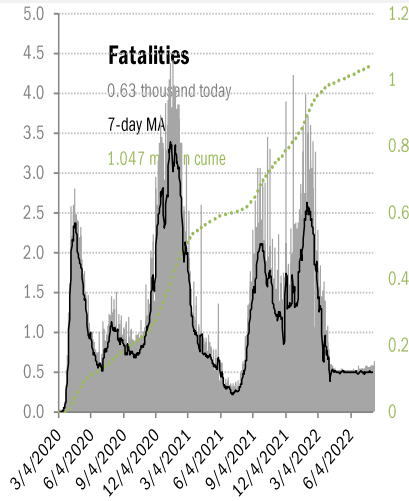
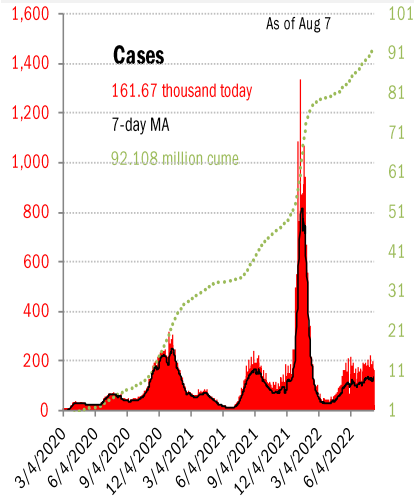
The demographics of US vaccination



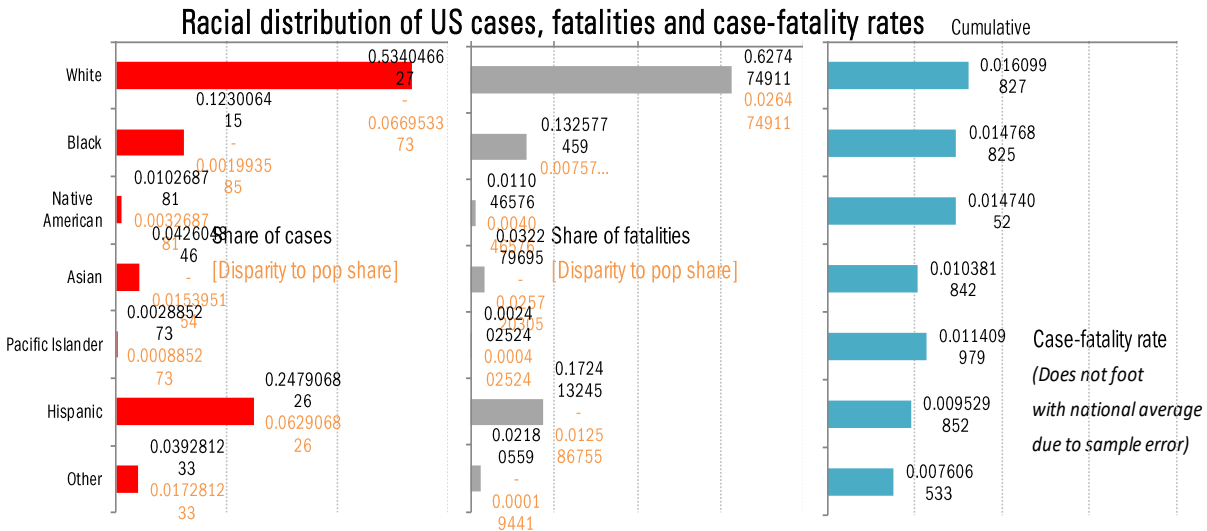
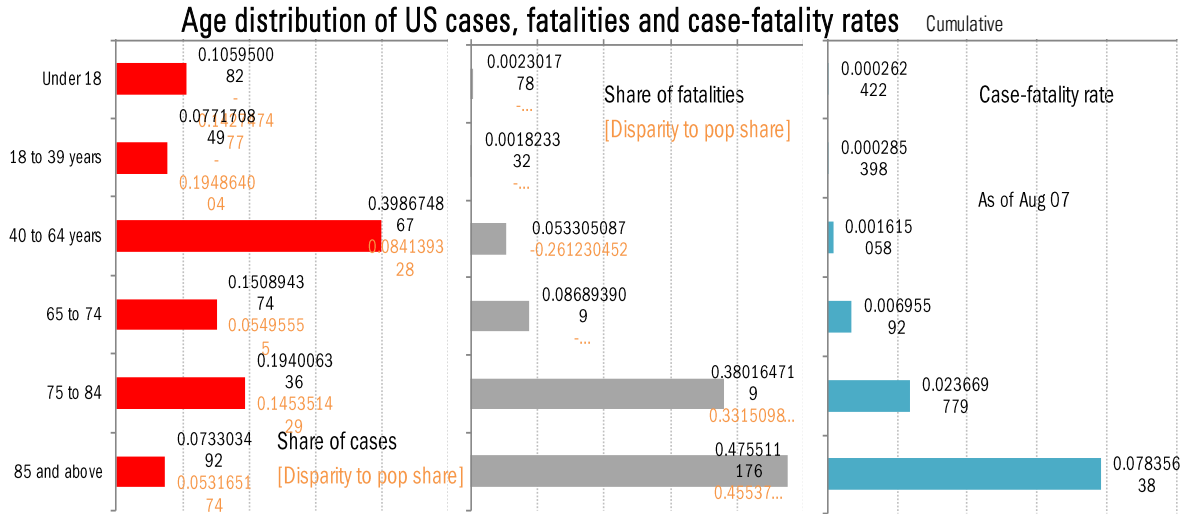
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

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

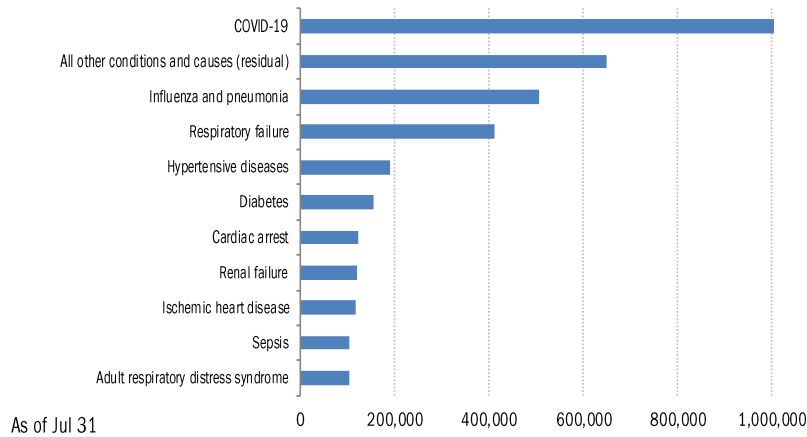


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

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

[Japan to offer Omicron COVID shot to at least twice-vaccinated people](#)

Kyodo News
August 8, 2022

[What it would mean for Japan to downgrade its COVID classification](#)

Kanako Takahara
Japan Times
August 8, 2022

[Work stoppages and no chatting at lunch: Japan Inc grapples with COVID](#)

Rocky Swift and Satoshi Sugiyama
Reuters
August 5, 2022

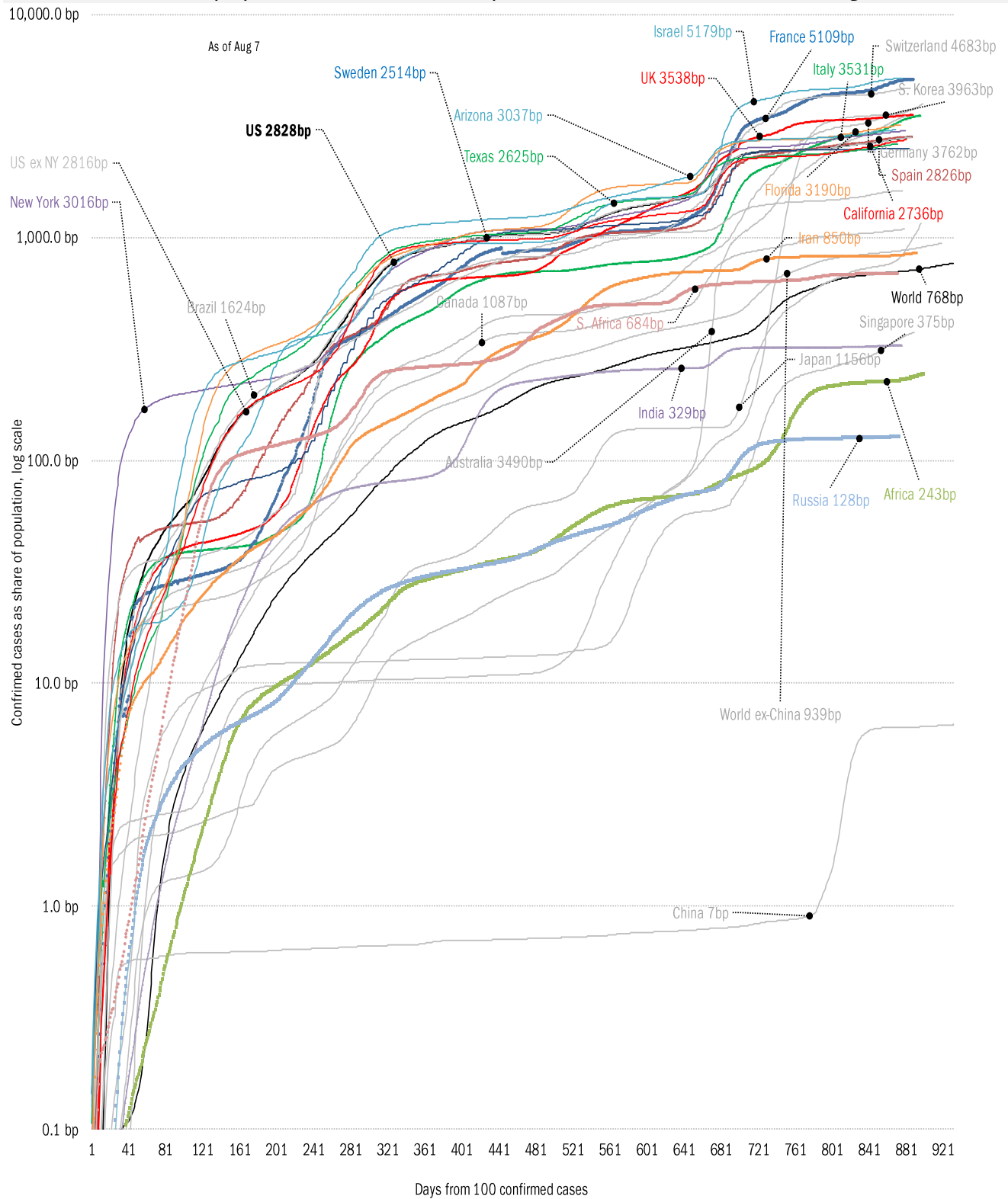
Meme of the day



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

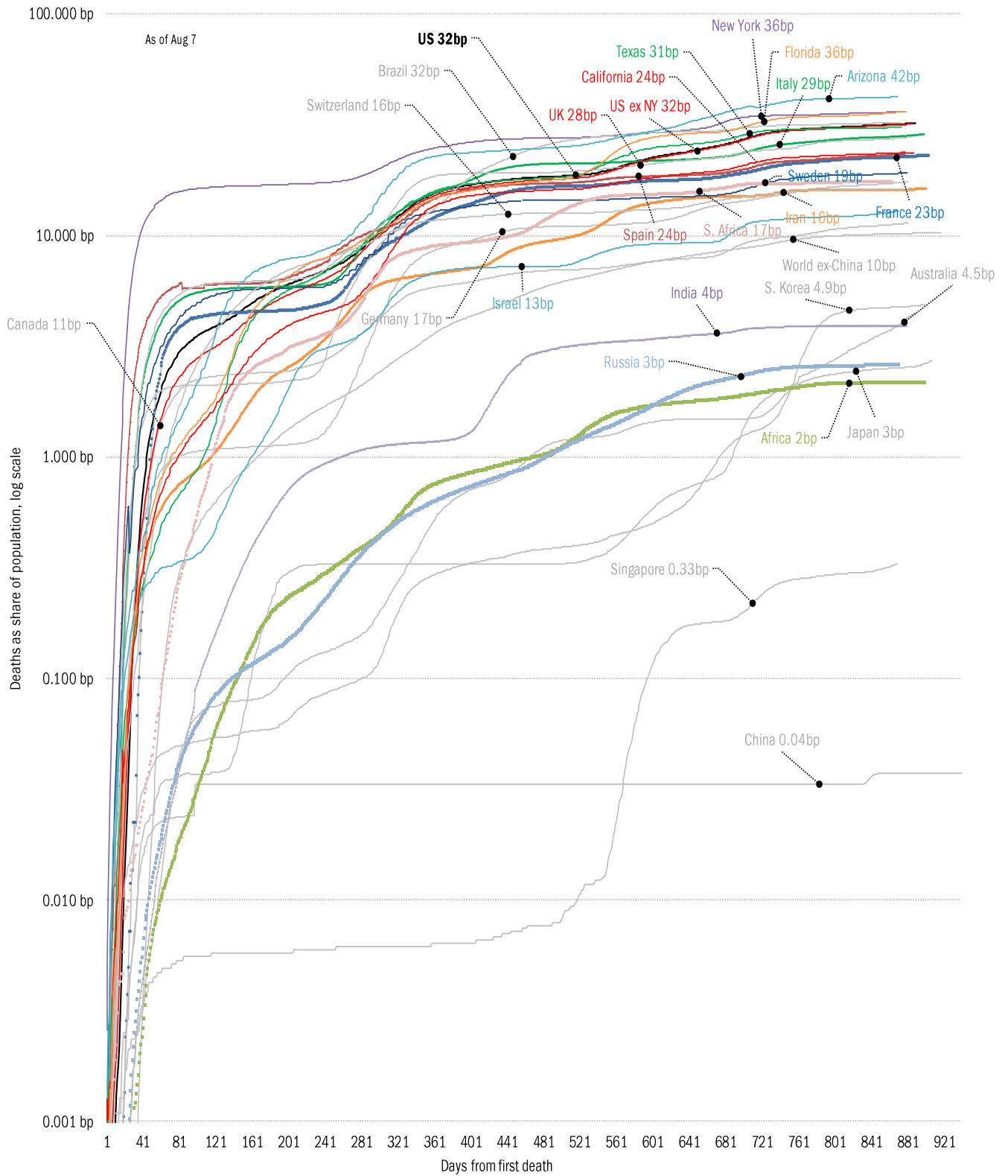
The global coronavirus case accelerometer... tracking the world's infection curves

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

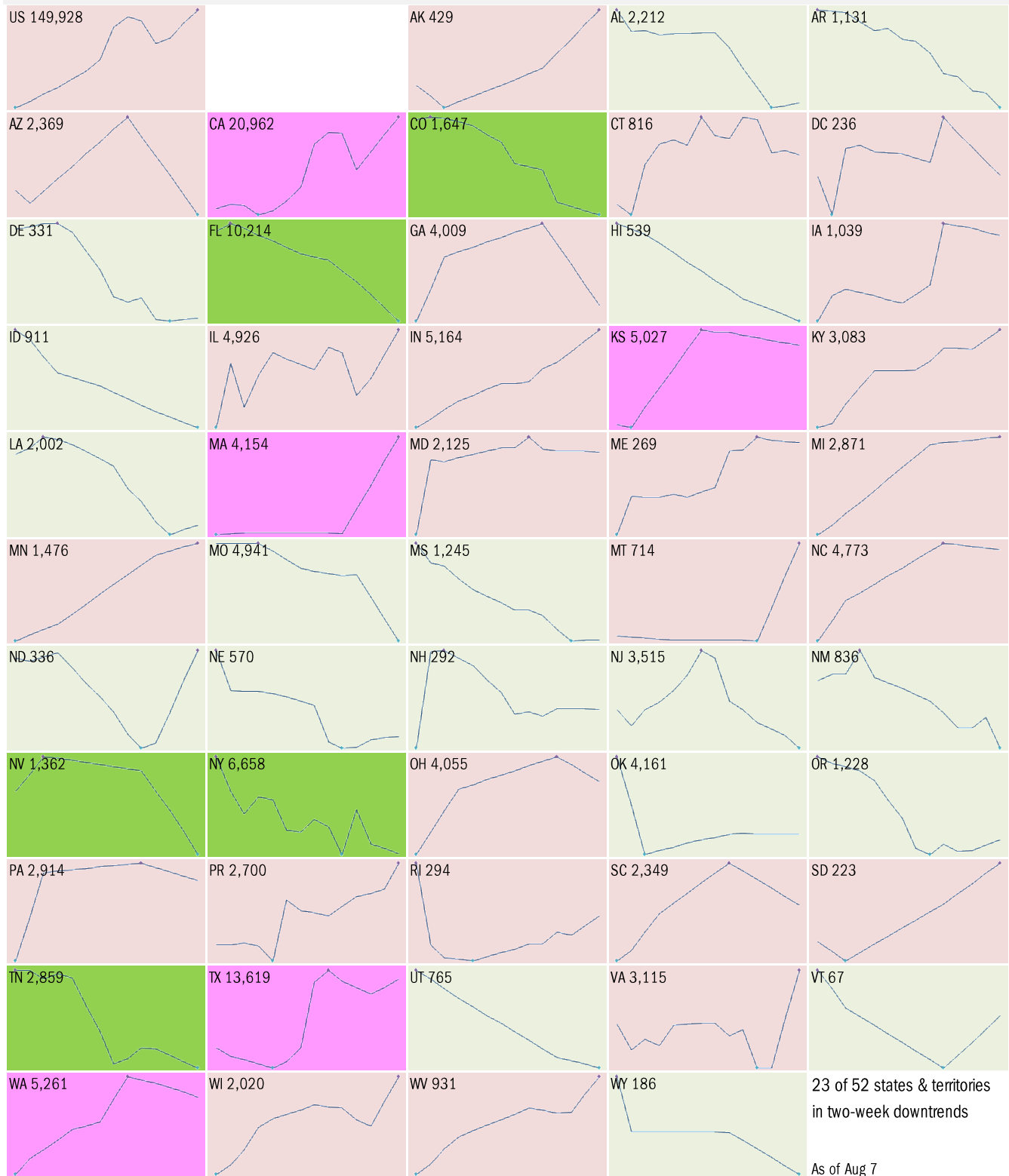


Source: [Johns Hopkins](#), TrendMacro calculations

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

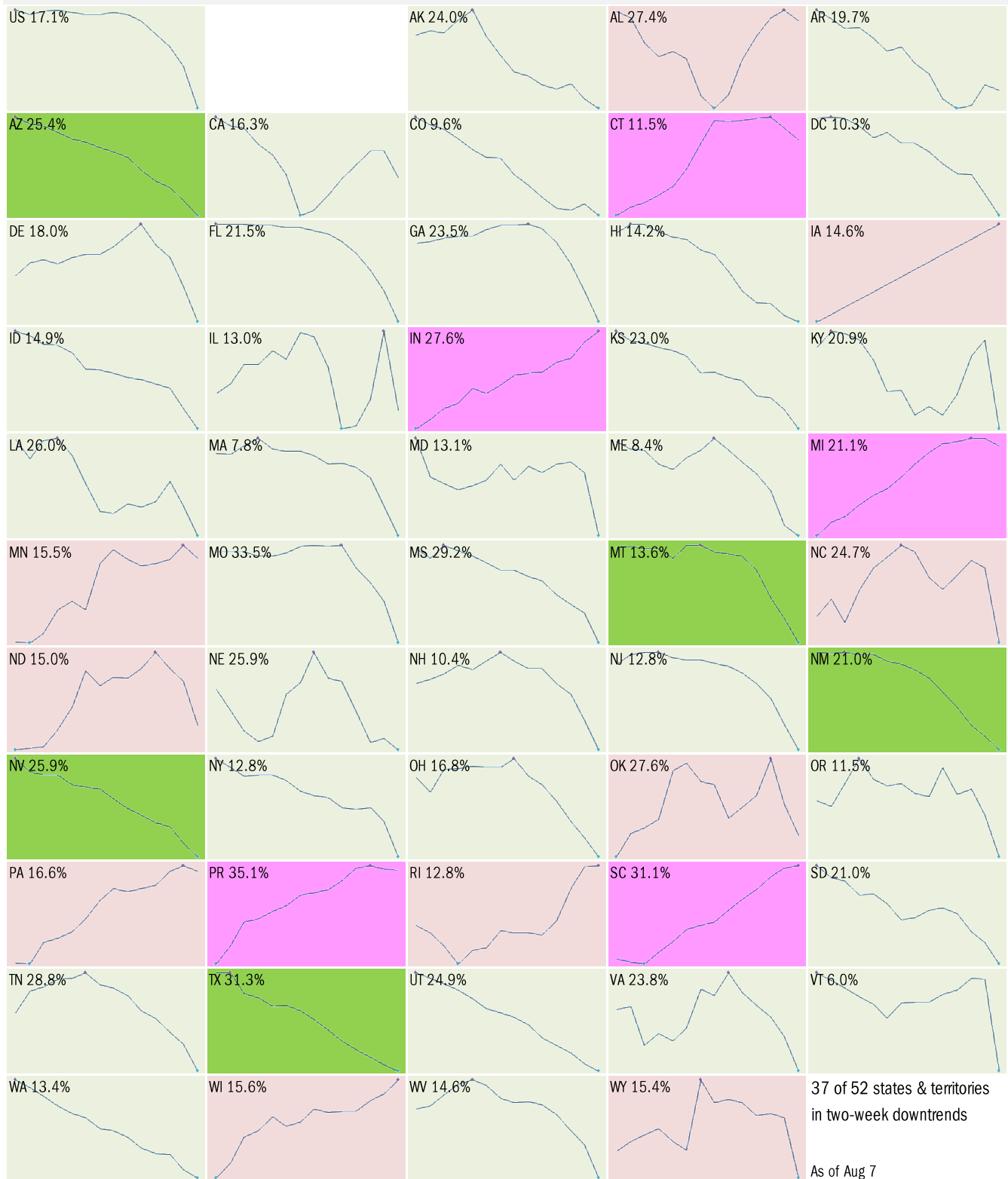


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

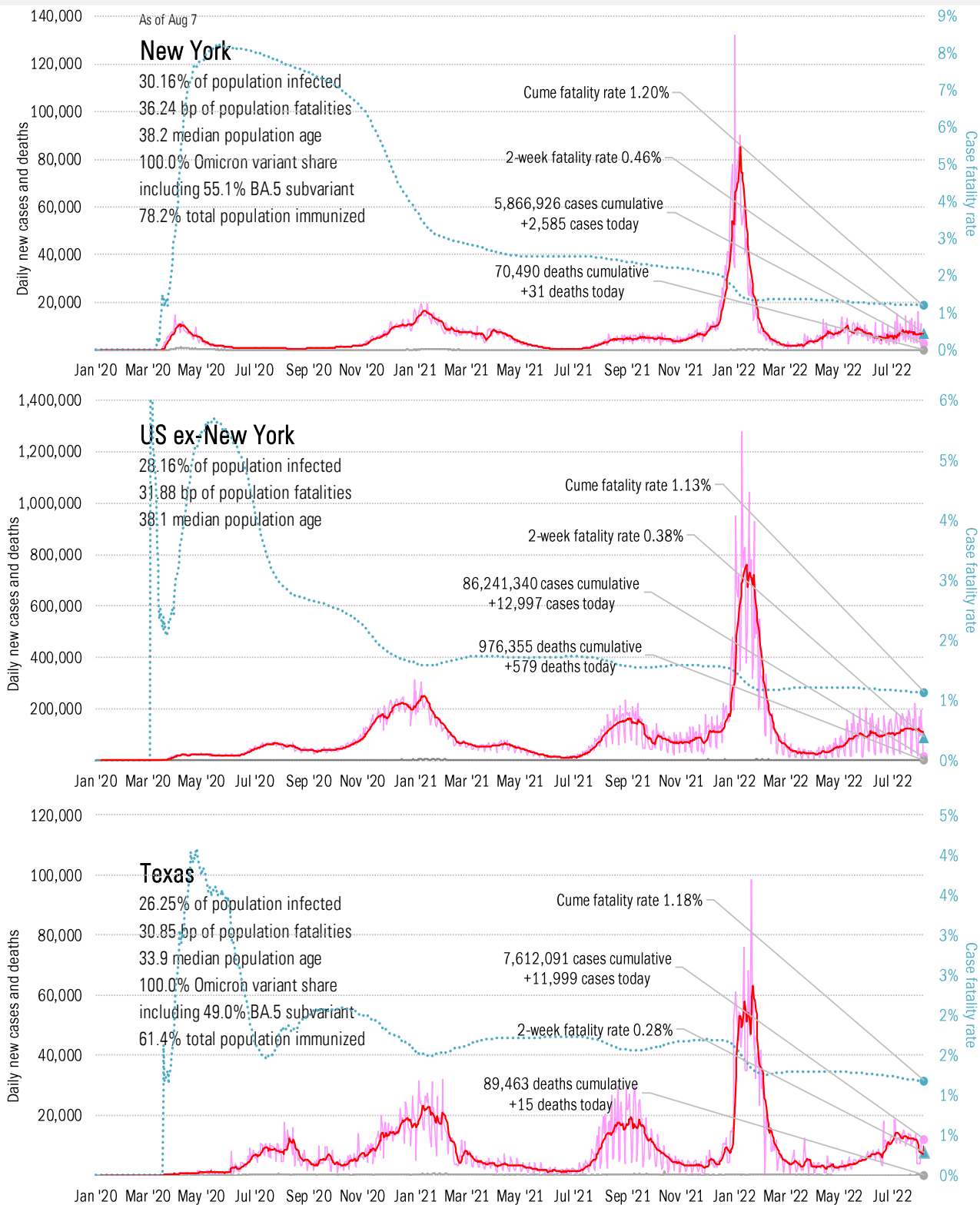
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

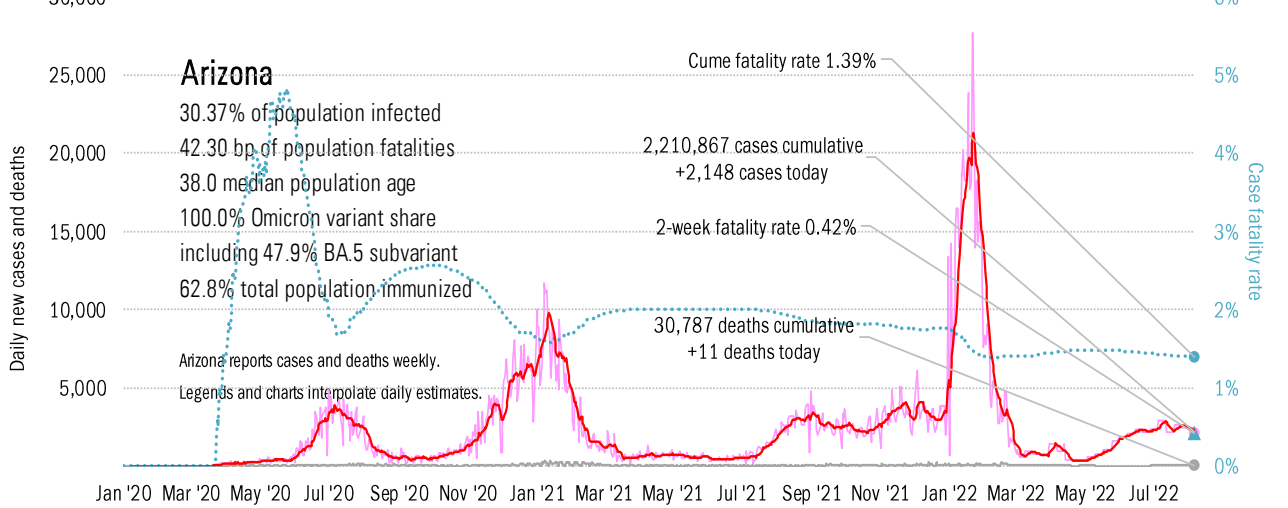
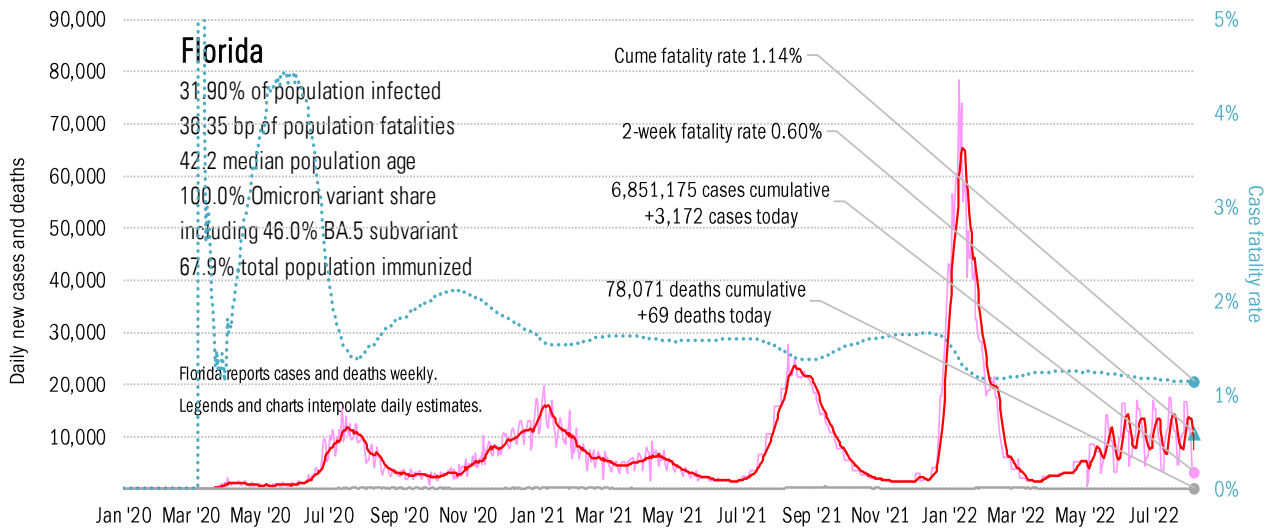
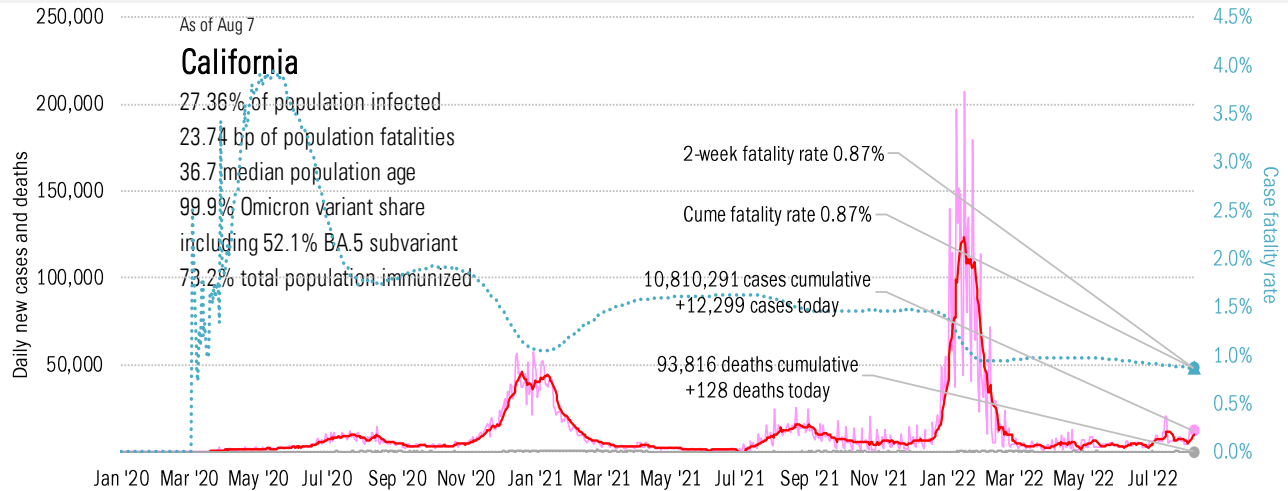
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

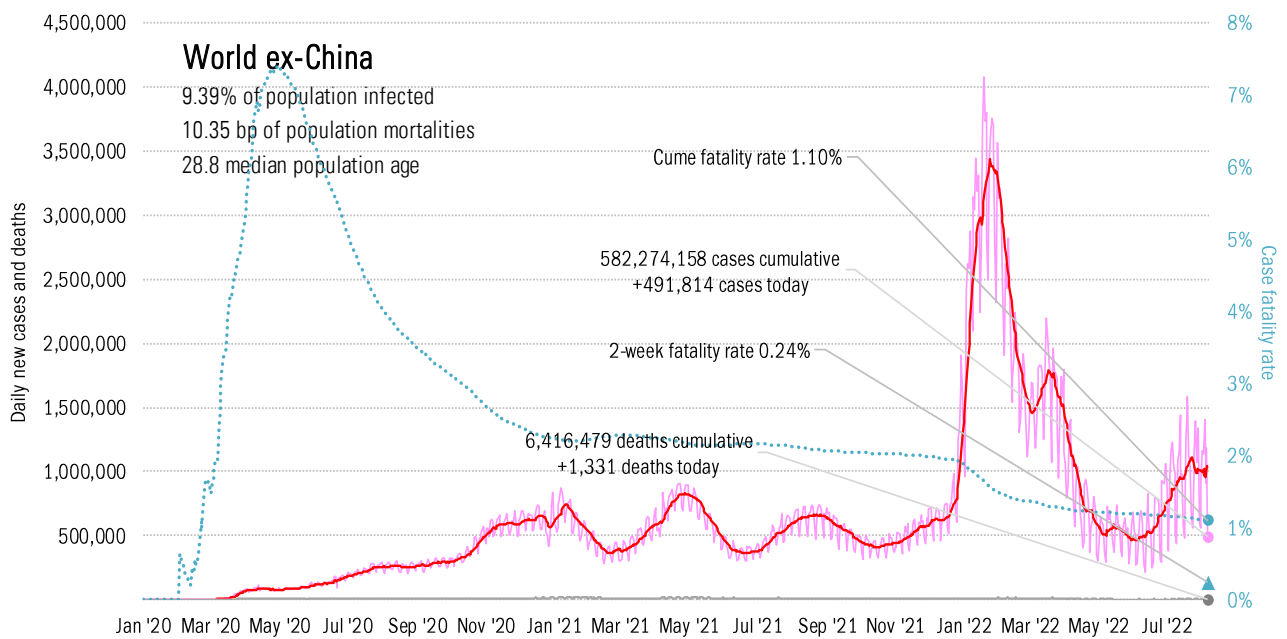
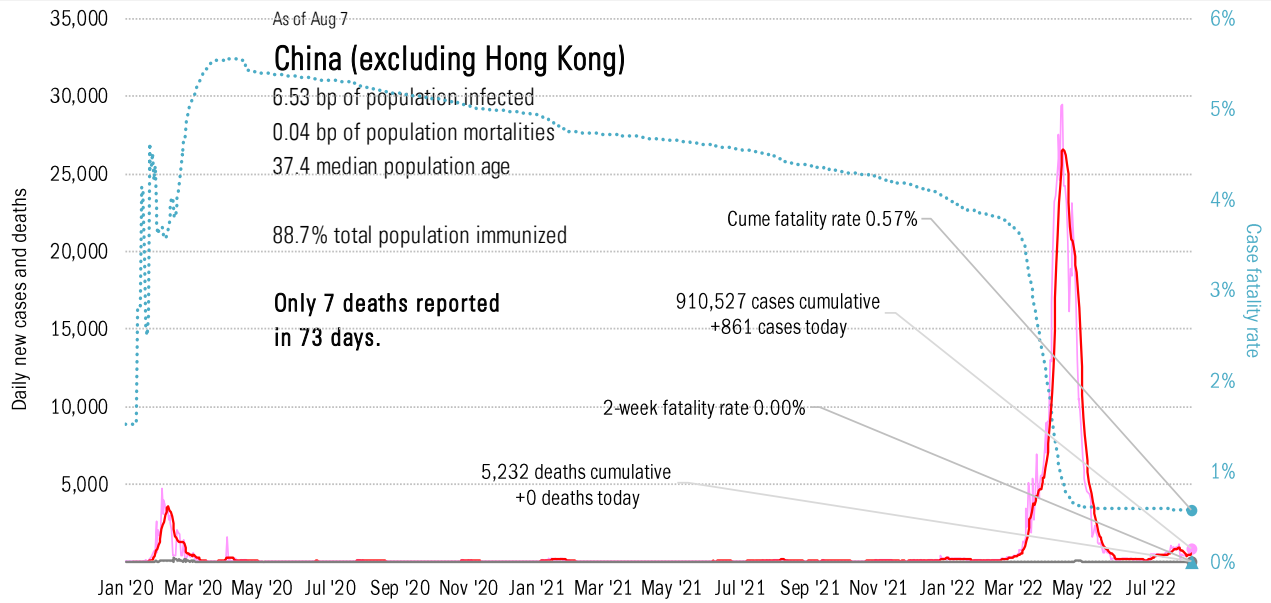
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

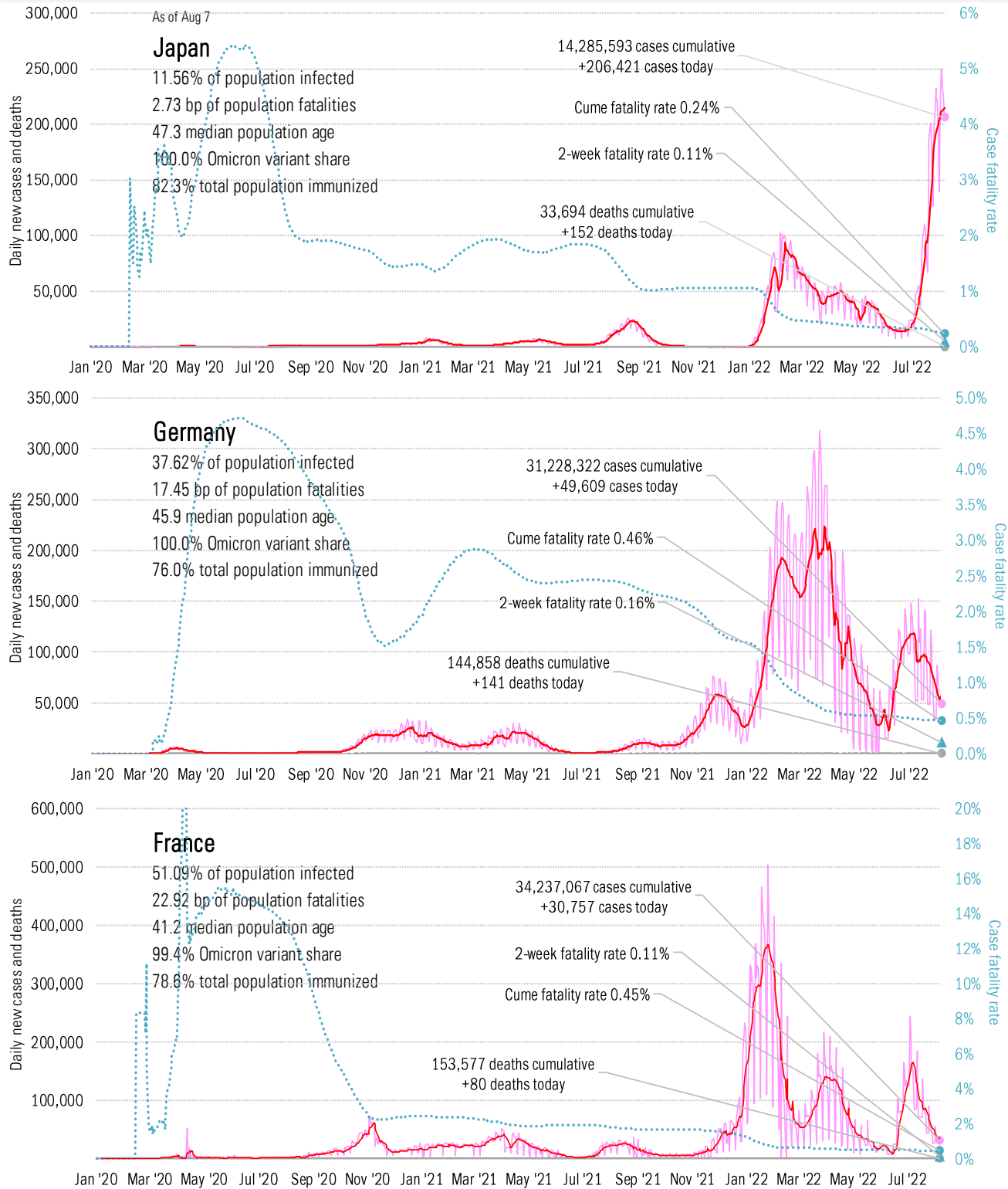
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

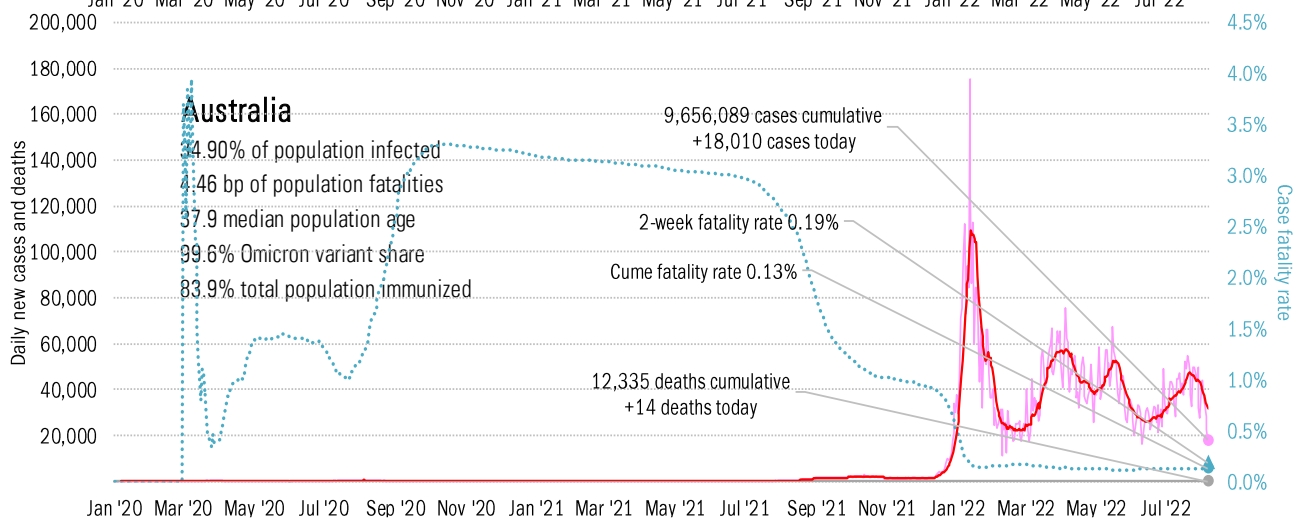
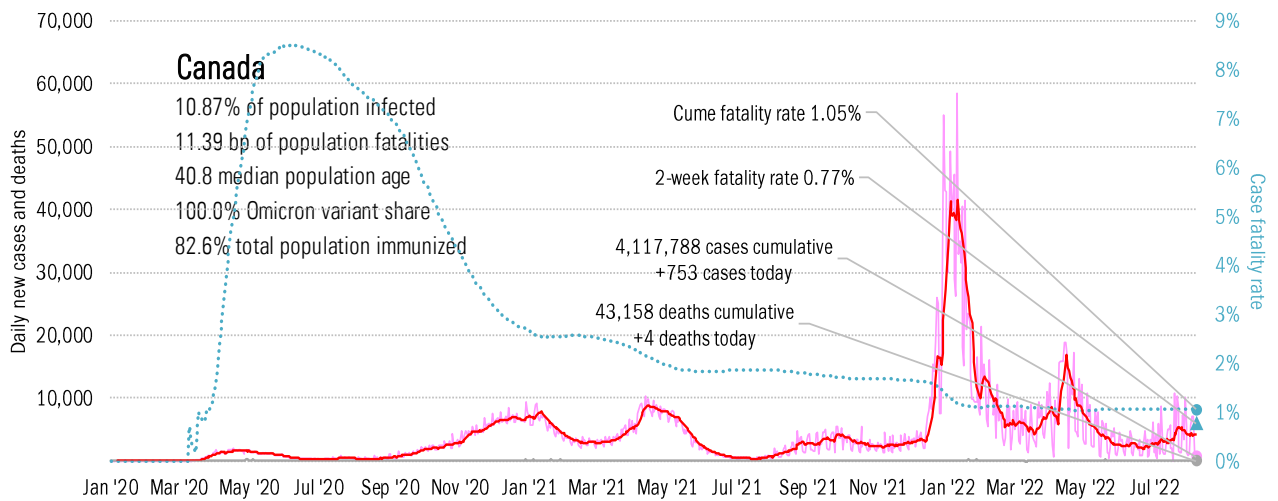
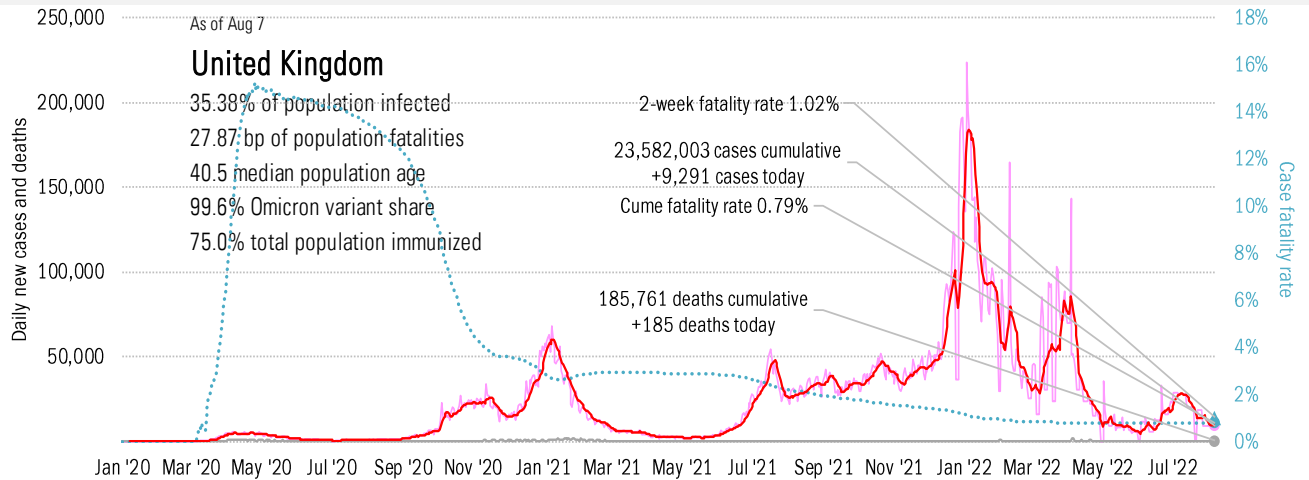
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

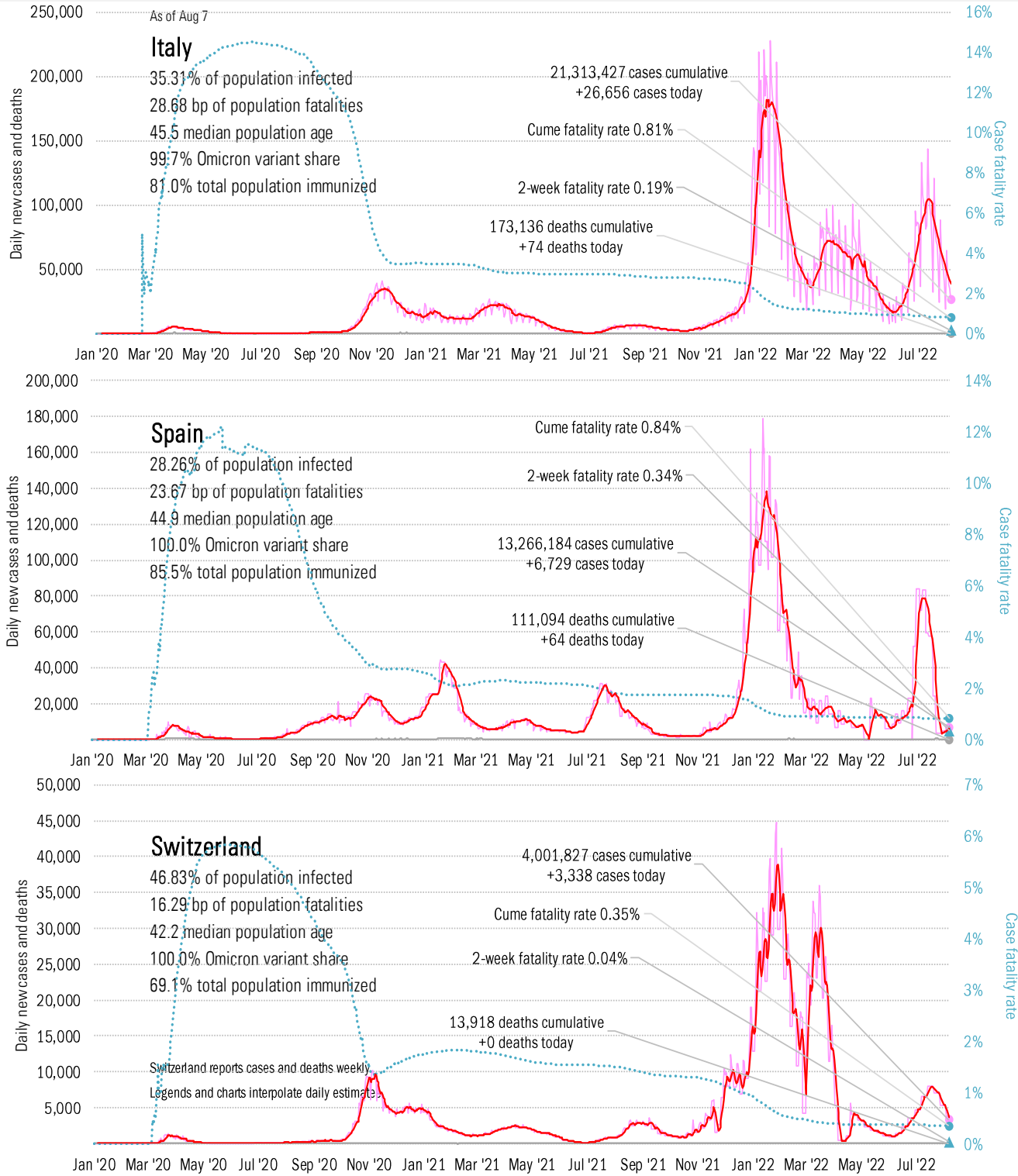
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

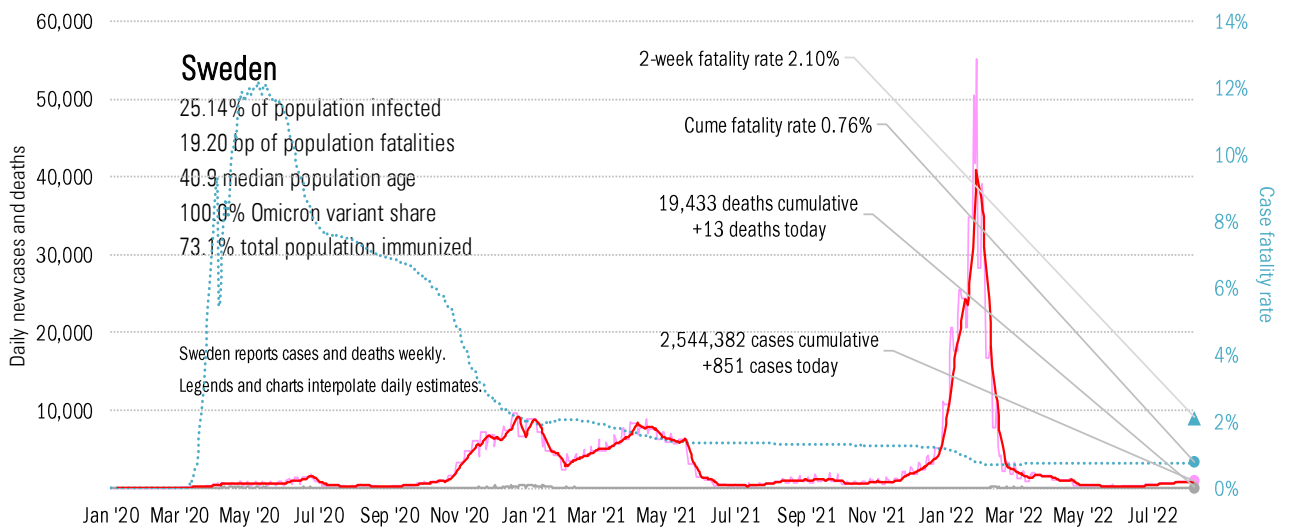
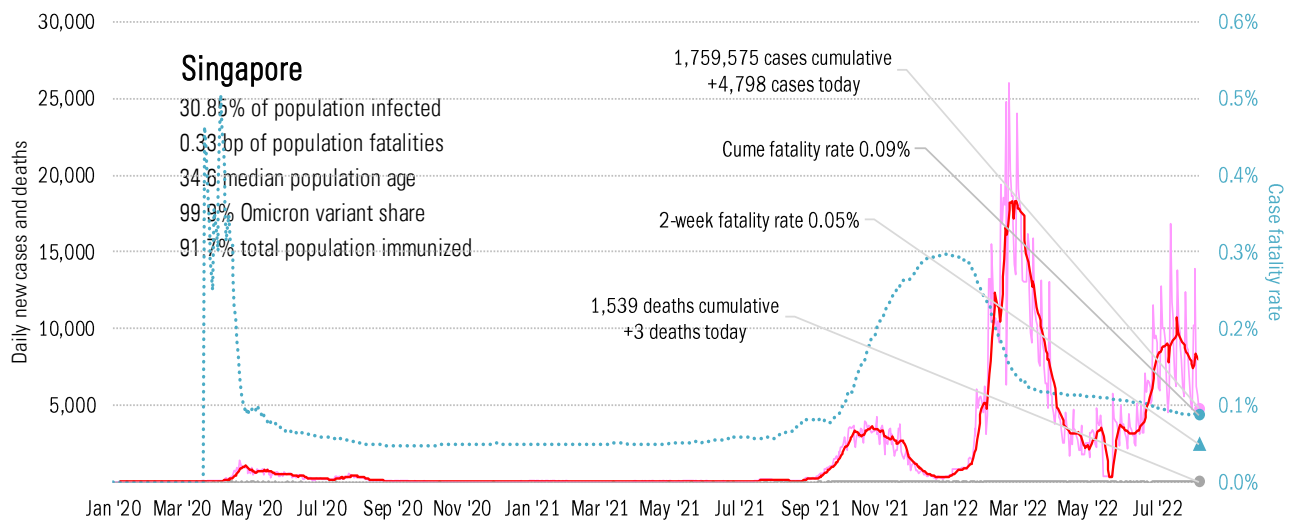
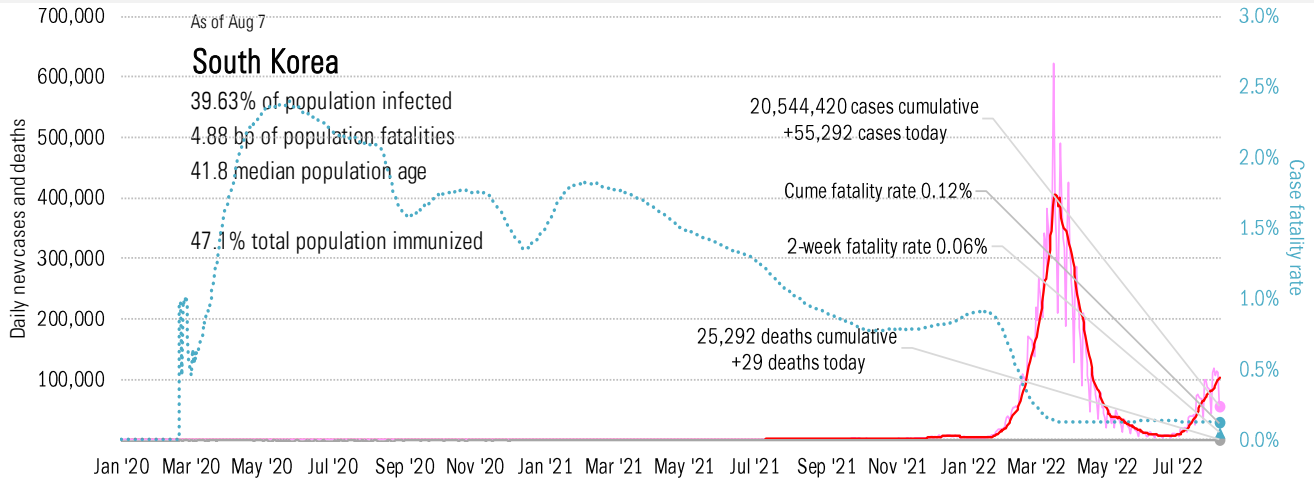
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

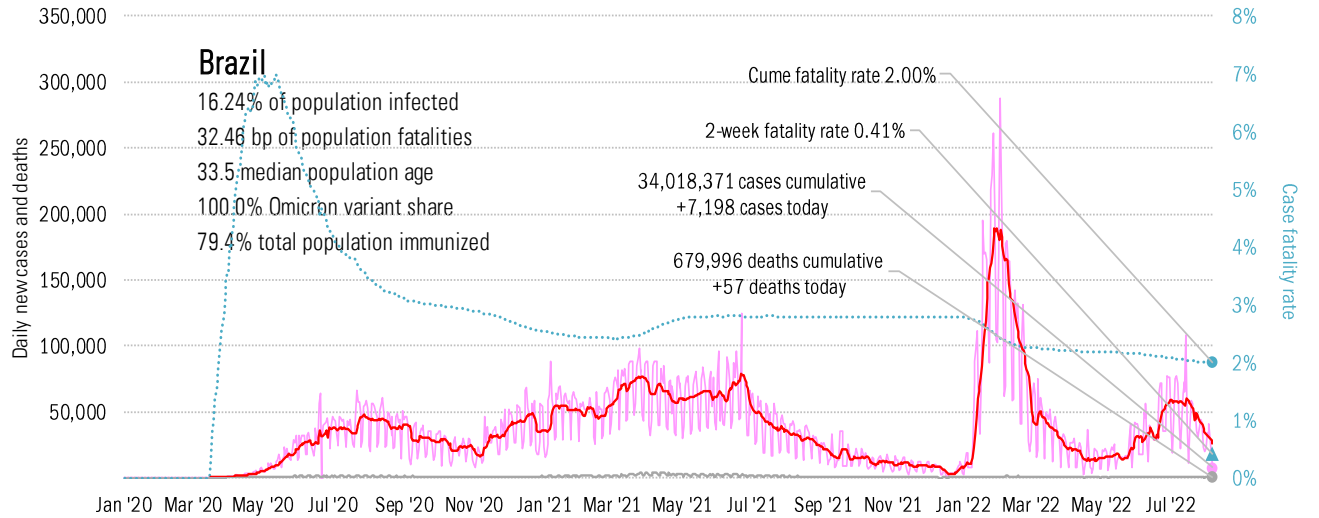
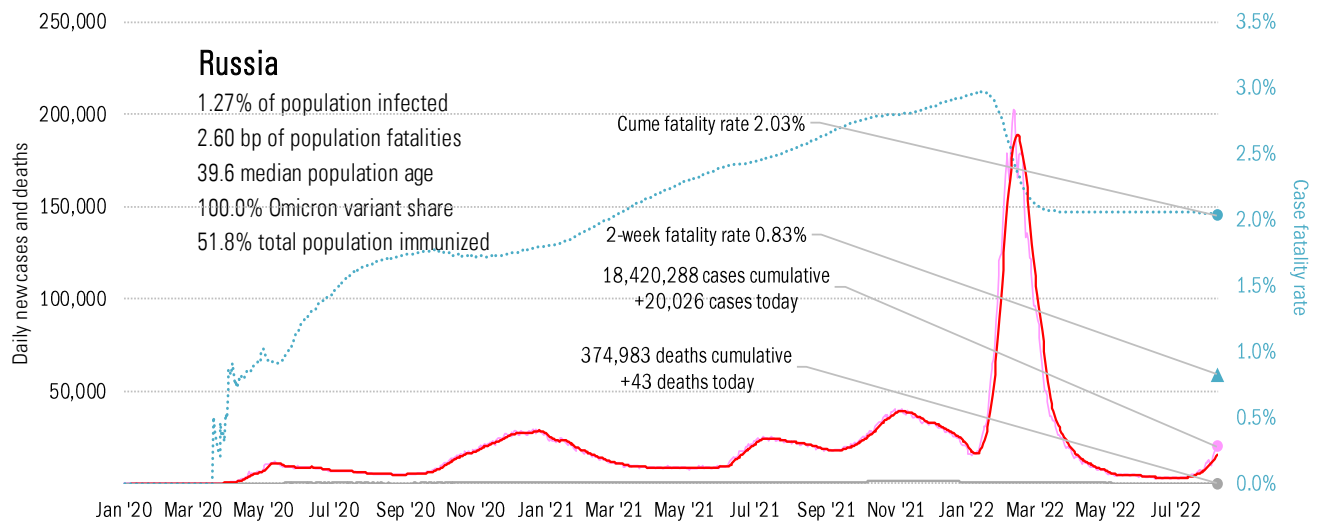
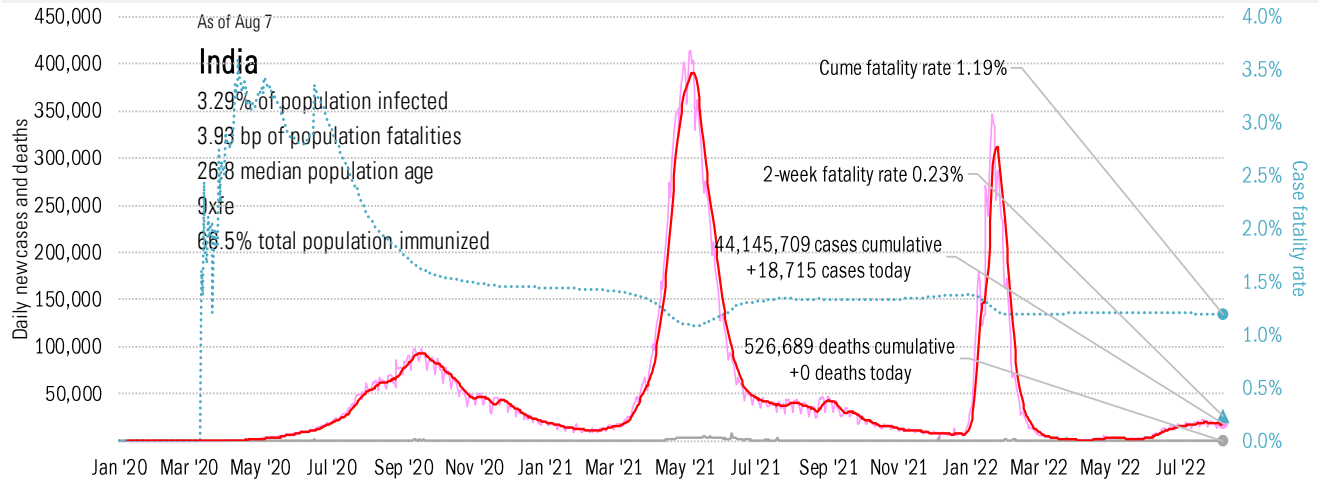
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

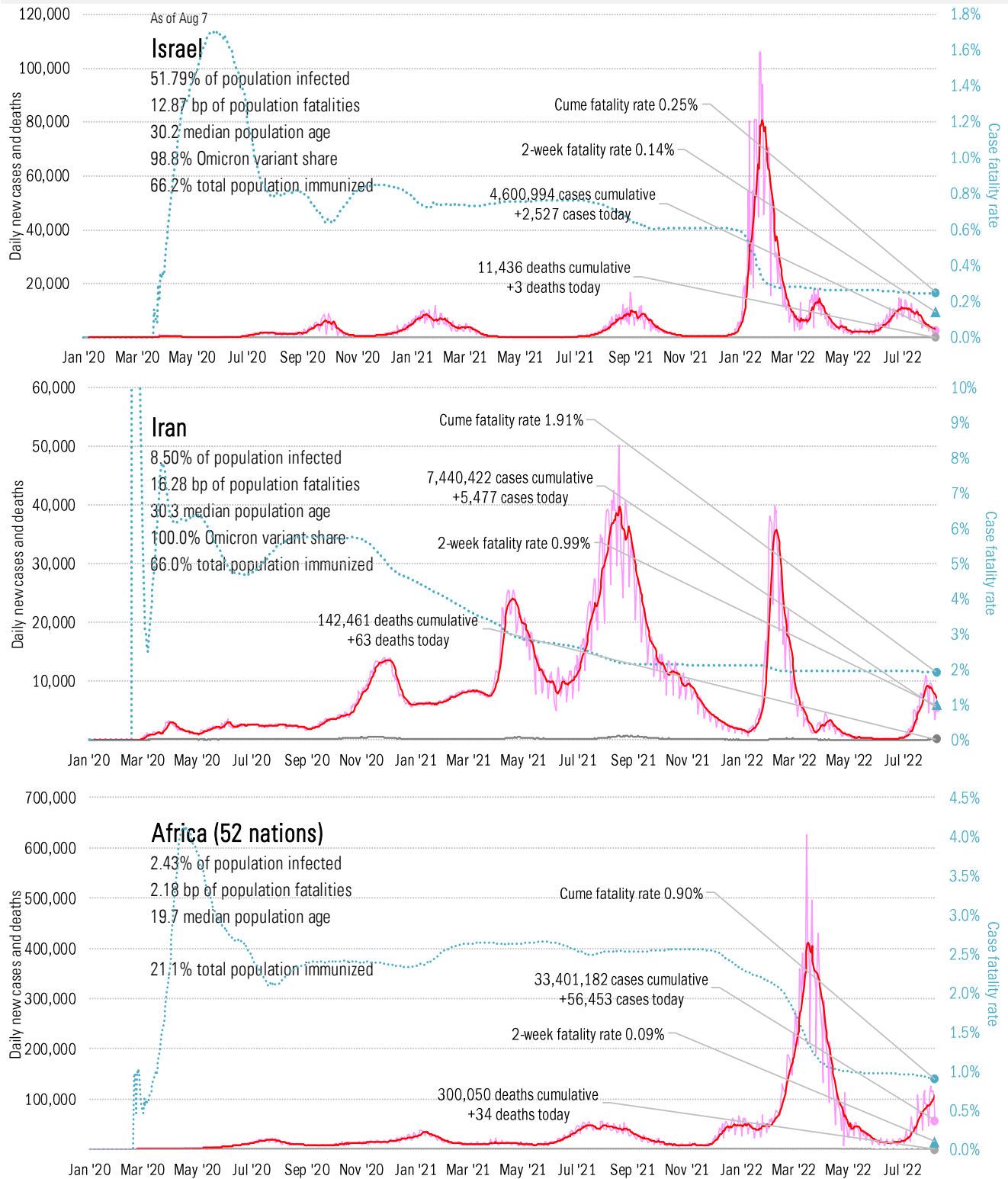
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

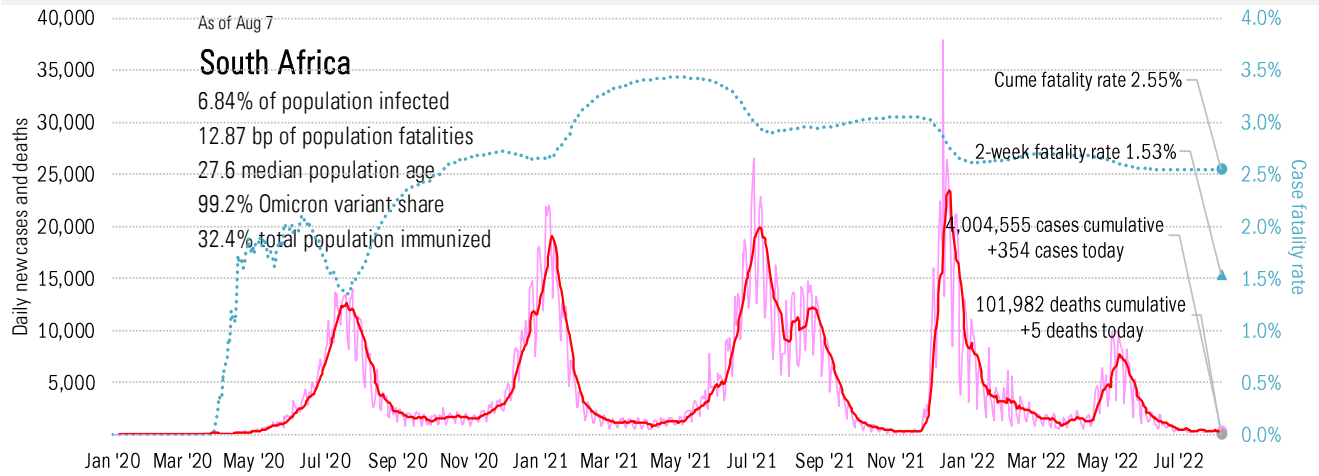
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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