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Data Insights: Covid-2019 Monitor

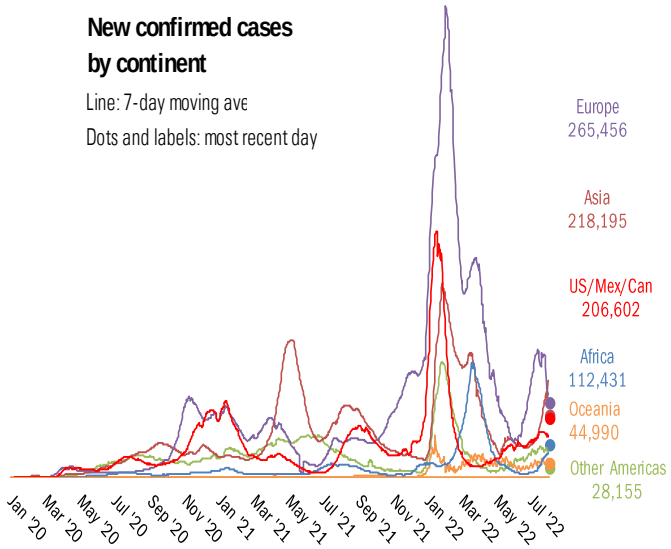
Tuesday, August 2, 2022

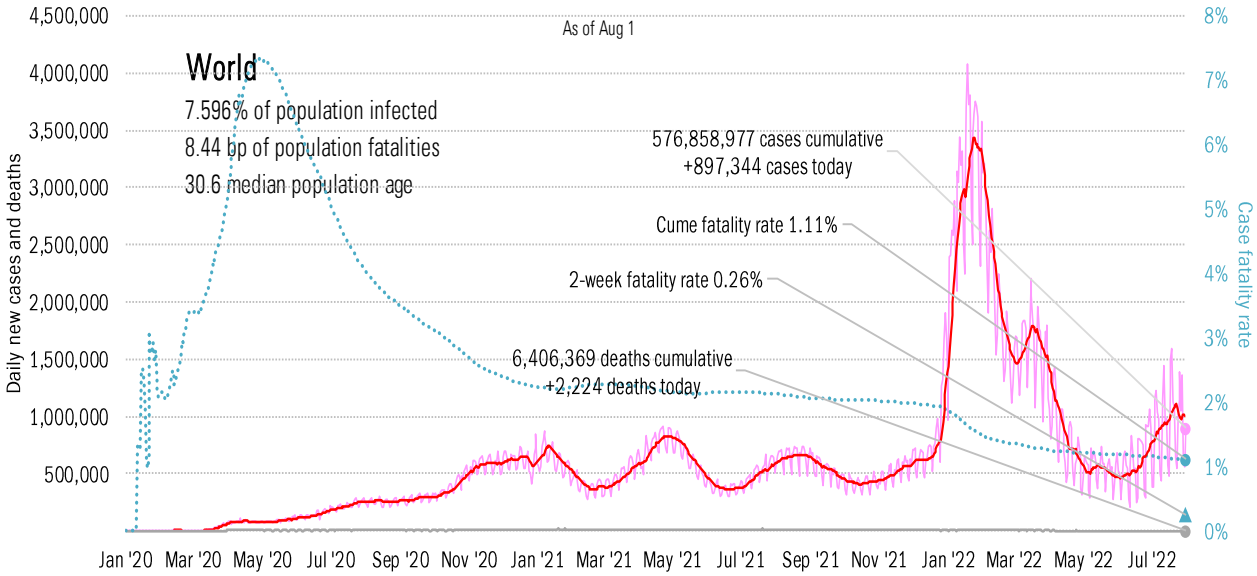
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	179,025	United States	493
Japan	139,609	Mexico	230
Korea, South	111,700	Brazil	201
Germany	102,698	France	196
France	80,062	Germany	171
Mexico	49,302	Italy	121
Australia	37,443	Japan	94
Brazil	22,064	Australia	92
Italy	19,520	Iran	62
Taiwan*	16,576	New Zealand	61
	757,999		1,721
World	897,344	World	2,224
Top ten	84%	Top ten	77%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

Cases: 7-day average and daily Deaths: Daily

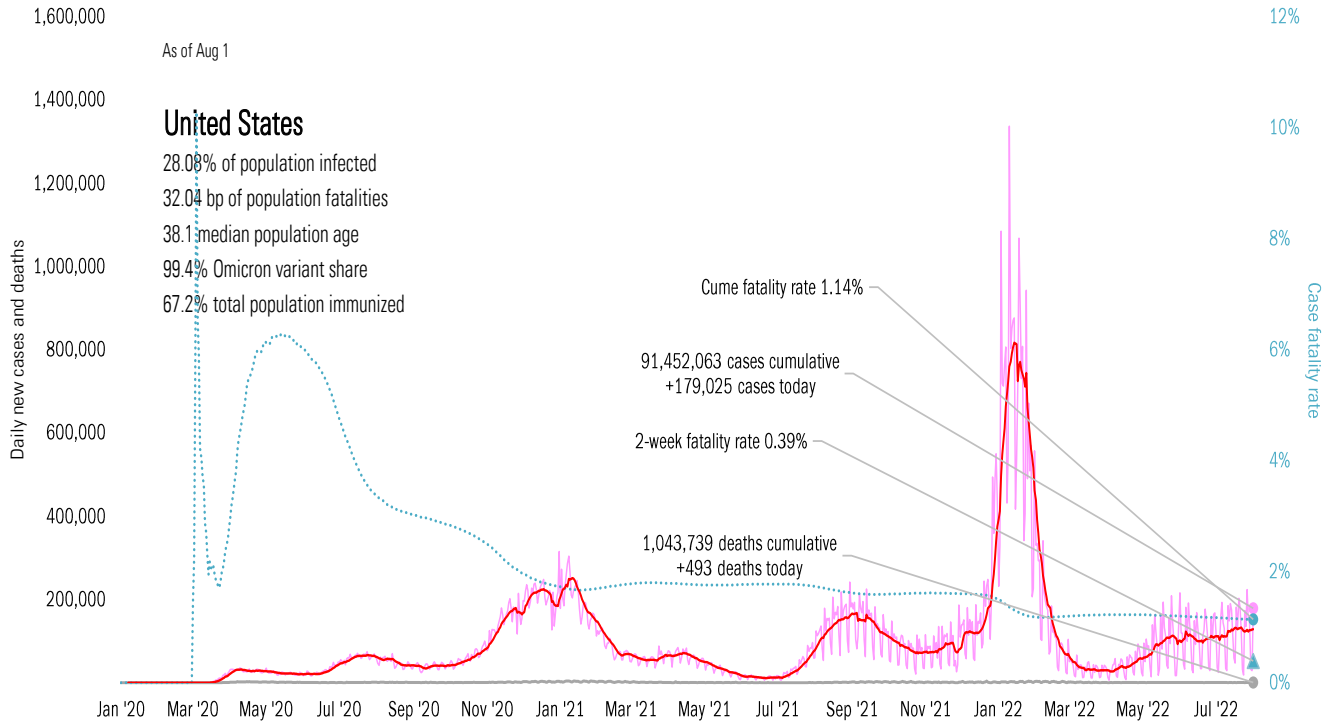
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CH	29,876	TX	77	CA	702	CA	10,715,844	CA	93,530	TX	522,363	RI	91%	RI	88%
TX	28,699	FL	66	GA	269	TX	7,562,672	TX	89,337	CA	472,019	MA	86%	DE	86%
NY	15,965	WA	48	NC	178	FL	6,811,026	FL	77,673	FL	465,891	WA	85%	TX	86%
CA	13,280	CA	39	PR	47	NY	5,833,909	NY	70,321	NY	281,756	MN	85%	AL	83%
FL	12,839	OR	29	CH	221	IL	3,573,895	PA	46,164	GA	216,589	GA	83%	NC	81%
WA	10,989	VA	20	MI	129	PA	3,085,008	GA	39,050	CH	206,086	MD	82%	WA	81%
NC	4,847	NY	17	MA	99	NC	2,983,130	CH	39,035	PA	192,644	WV	82%	DC	79%
PA	4,415	GA	17	KY	108	CH	2,948,242	IL	38,888	IL	175,362	DE	82%	MA	79%
GA	4,218	PA	17	MD	85	GA	2,750,915	MI	37,428	MI	153,709	MO	80%	OR	76%
NV	4,195	LA	16	WI	81	MI	2,672,312	NJ	34,270	KY	139,073	DC	79%	MI	76%
	129,324		346		1,919		48,936,953		565,696		2,825,492				
All states	179,025		493		5,843	All states	91,452,063		1,043,739		5,127,691	All states	70%		67%
Top ten	72%		70%		33%	Top ten	53%		55%		55%	Median	75%		71%

Some states not reporting

Five most improved US states

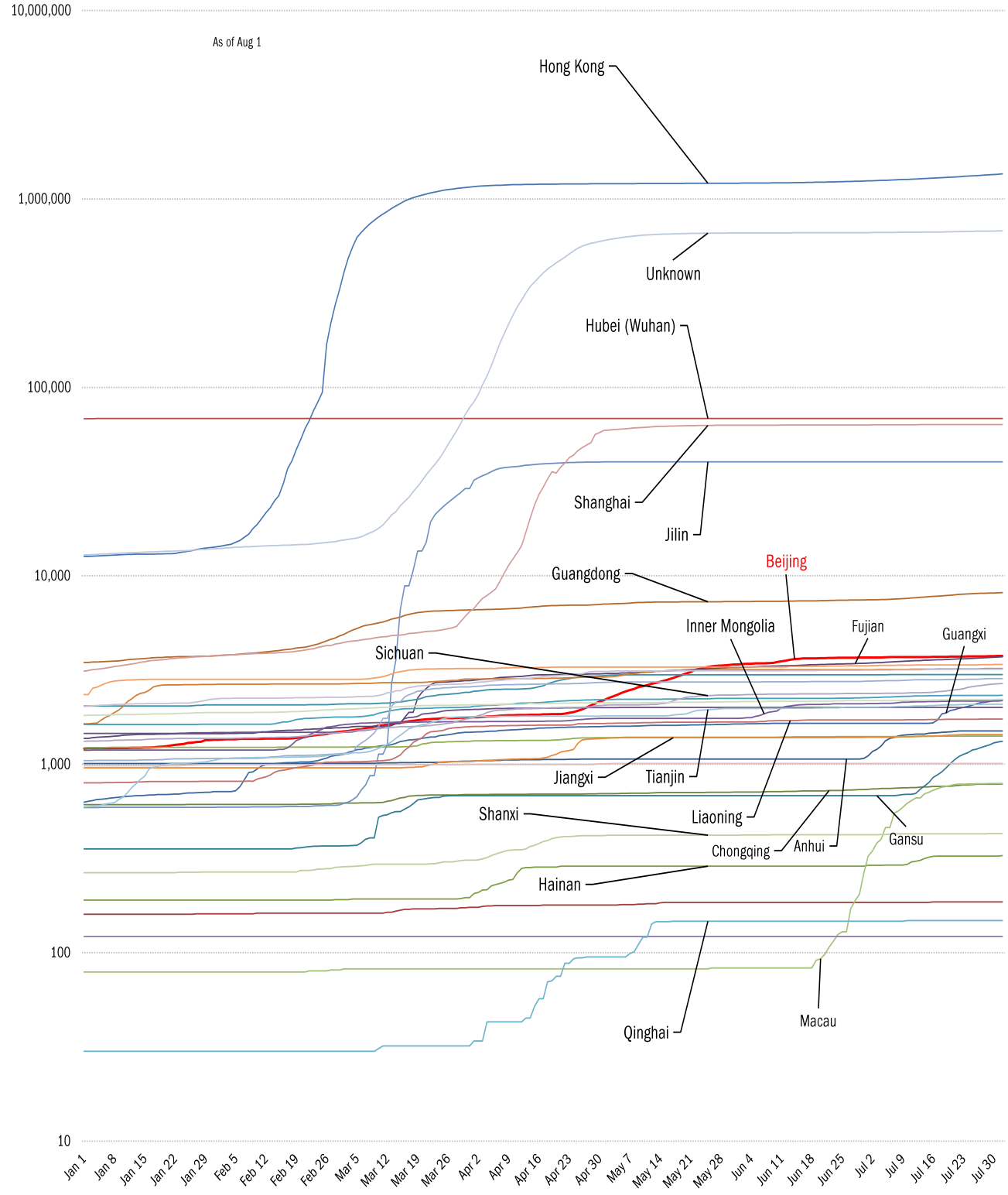
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-30,110	CA	-80	FL	-108
MO	-10,712	MO	-45	NY	-68
KS	-7,246	MS	-13	IN	-43
FL	-3,864	CO	-11	NV	-32
NJ	-3,212	NM	-2	TN	-25



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

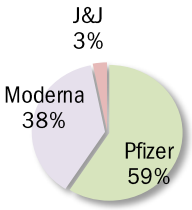
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	618,880,610				+0.321 million
of which boosters	109,944,235				+0.067 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	269,704,032	81%	229,576,521	69%	+0.044 million
Age 12 to 17	18,050,227	71%	15,431,741	61%	+0.003 million
Age 18 to 64	180,435,199	89%	153,104,165	75%	+0.019 million
Age 65 and over	59,610,629	100%	52,148,393	95%	+0.009 million

Immunity	Full	Partial
US	67.2%	78.8%
UK	74.9%	79.8%
France	78.6%	80.9%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
Australia	83.8%	86.4%
Israel	66.2%	72.3%
Canada	82.6%	86.0%
Japan	82.3%	83.4%
Africa	20.7%	26.4%
India	66.2%	72.5%
Brazil	79.4%	86.4%
China	88.7%	91.1%

Global data differs due to sources, timing



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

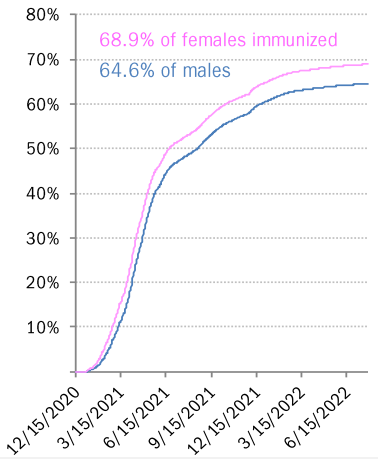
"Immunity" = two doses

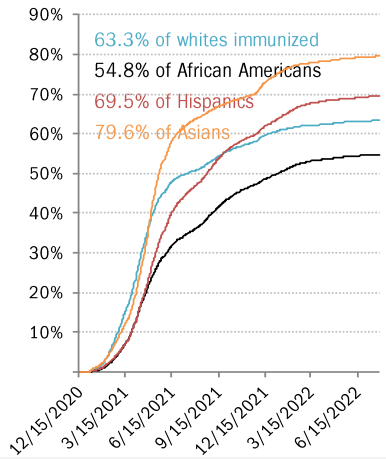
Best
Middle
Worst

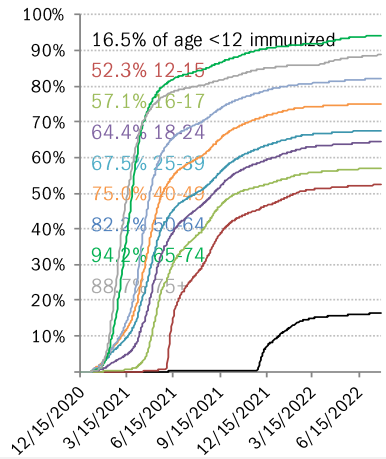
As of Jul 28

AK					WI					ME
71.1%					72.8%					92.6%
63.0%					66.3%					80.9%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
82.3%	62.6%	66.2%	66.6%	76.3%	76.8%	67.7%		91.6%	95.0%	90.0%
73.3%	56.1%	57.5%	56.3%	70.0%	69.3%	60.8%		78.1%	82.3%	71.9%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.0%	76.6%	59.0%	78.4%	68.8%	62.9%	64.1%	86.9%	91.9%	95.0%	
70.5%	61.7%	51.6%	63.1%	62.6%	56.6%	59.0%	70.0%	76.8%	80.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.6%	73.1%	80.8%	71.3%	67.2%	67.1%	65.9%	87.4%	88.3%	95.0%	95.0%
73.1%	65.0%	71.1%	64.4%	57.0%	58.1%	58.3%	74.2%	76.8%	80.4%	84.2%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	74.9%	89.8%	73.7%	67.8%	63.0%	86.6%	68.9%	95.0%	84.7%	
	62.7%	72.4%	62.9%	55.3%	55.1%	63.0%	57.9%	77.6%	70.4%	
			OK	LA	MS	AL	GA			
			72.3%	61.8%	60.5%	63.6%	66.4%			
			58.3%	54.1%	52.6%	51.9%	55.6%			
HI			TX					FL		PR
89.1%			75.0%					80.5%		95.0%
79.4%			62.6%					67.9%		83.7%

The demographics of US vaccination



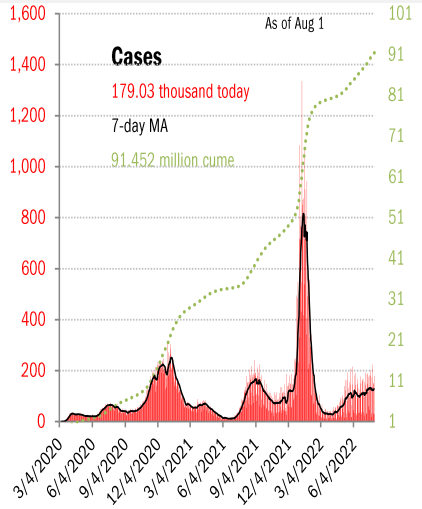


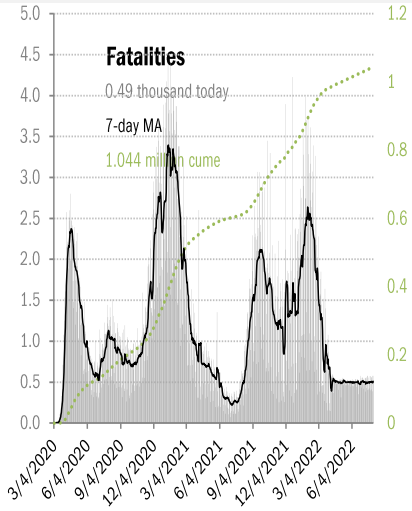


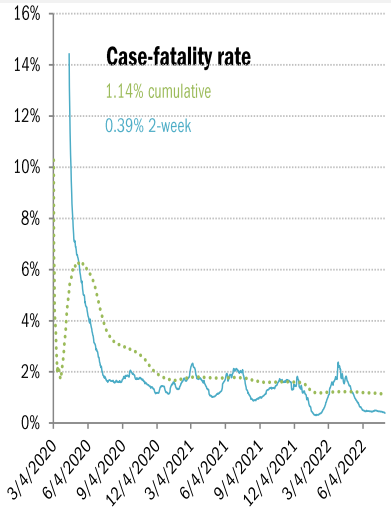
Source: CDC, CDC, Our World in Data, TrendMacro calculations

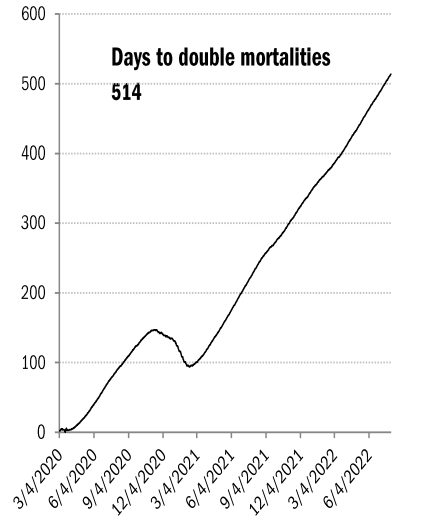
US deep-dive

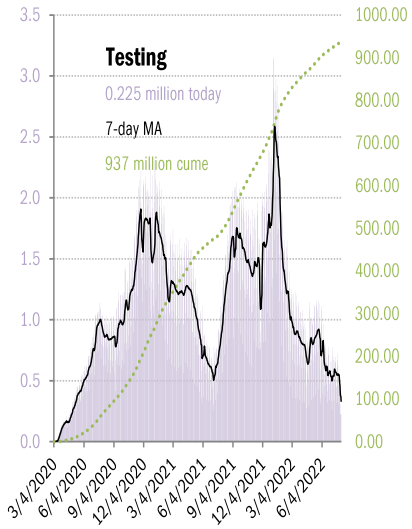
National and state-by-state data do not line up because of different sources

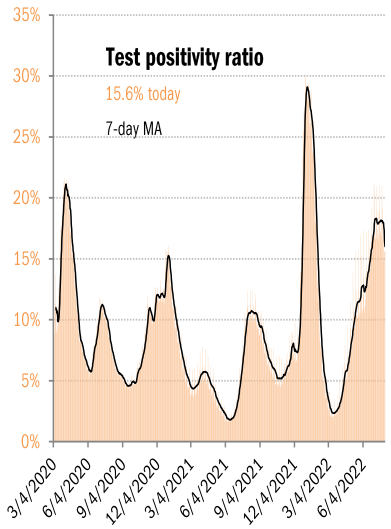


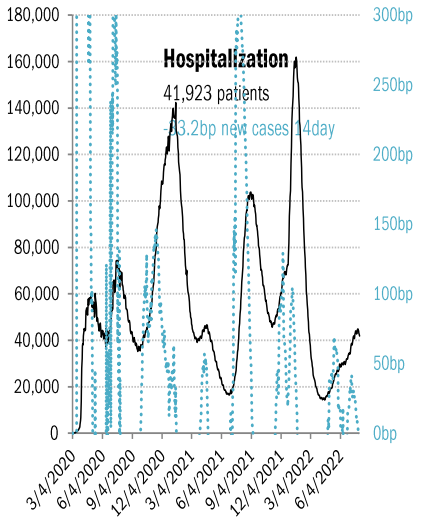


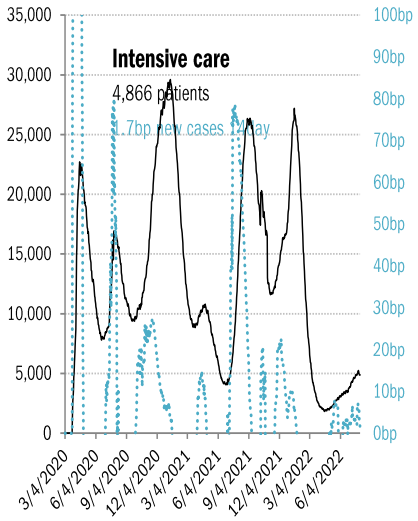


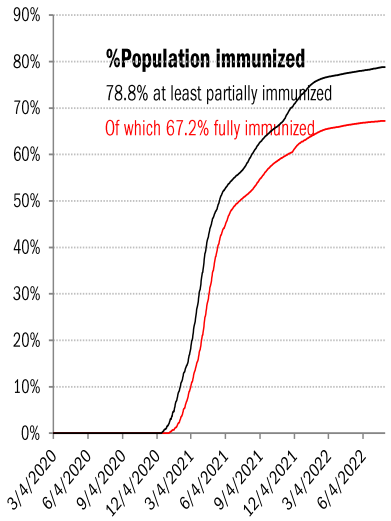












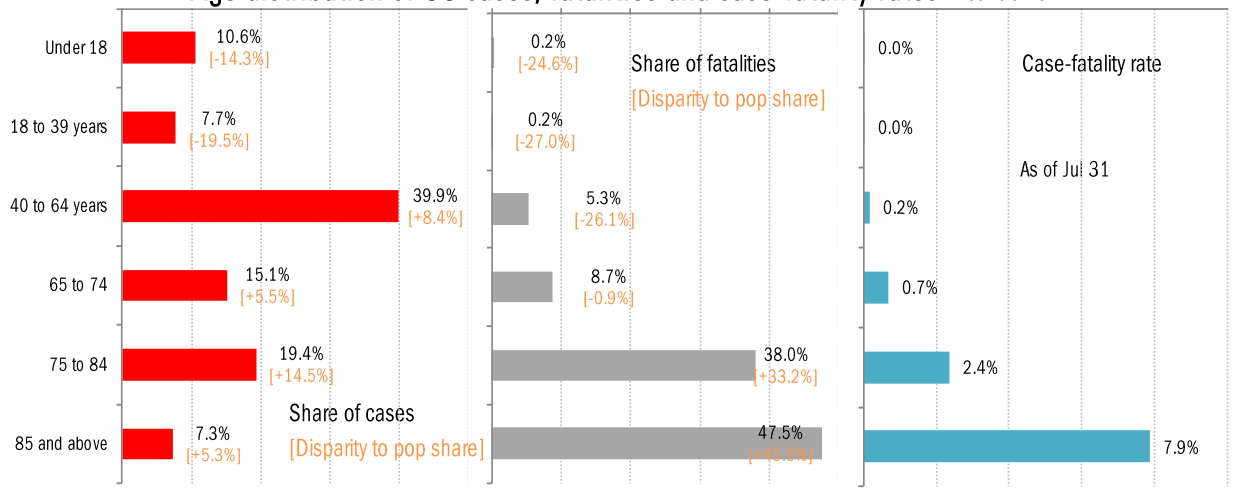
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

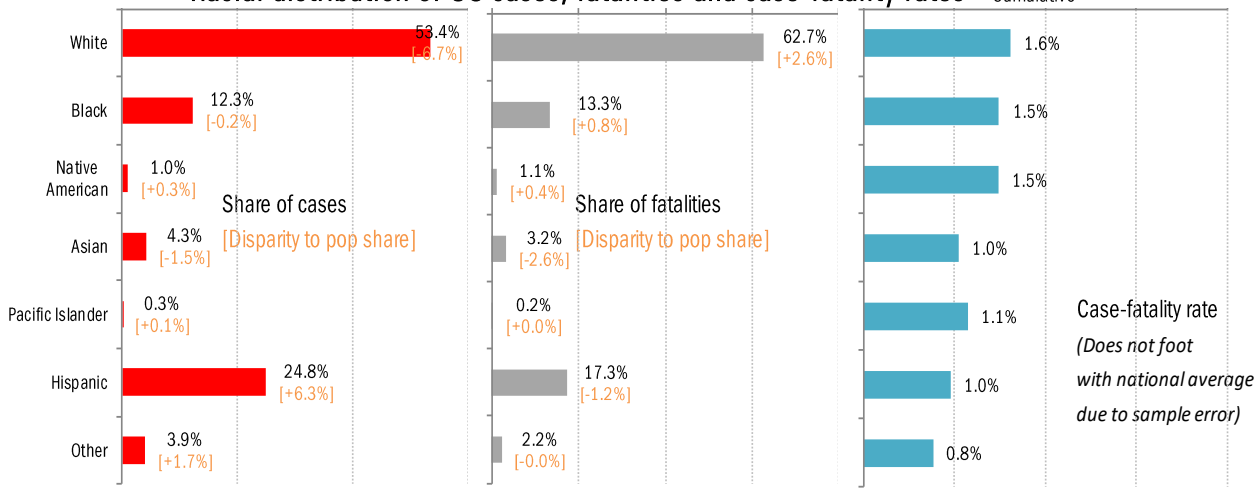
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



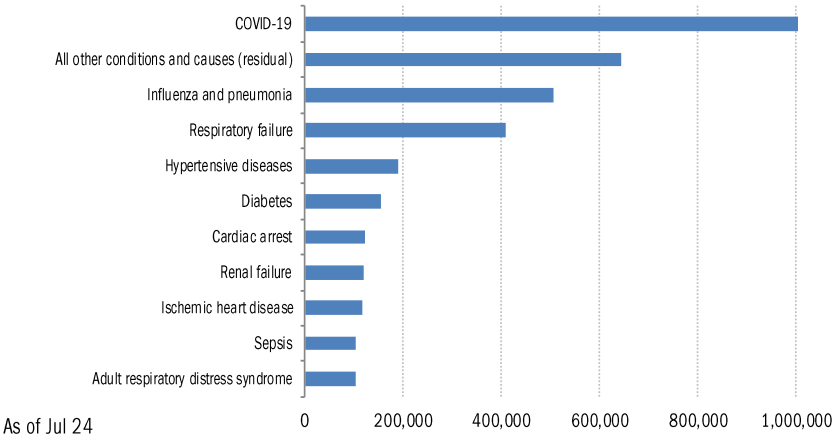
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



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

[California declares a state of emergency over monkeypox outbreak, following New York and Illinois]
Spencer Kimball
NBC News
August 1, 2022

[Biden covid case highlights confusing CDC guidance on ending isolation]
Lena H. Sun and Joel Achenbach
Washington Post
August 1, 2022

[COVID reinfection rate with treatment Biden is taking is more than 40% - and not 2% as marketed: Paxlovid is thought to suppress immune response meaning body can't fight off new infection]
Paul Farrell
Daily Mail
July 30, 2022

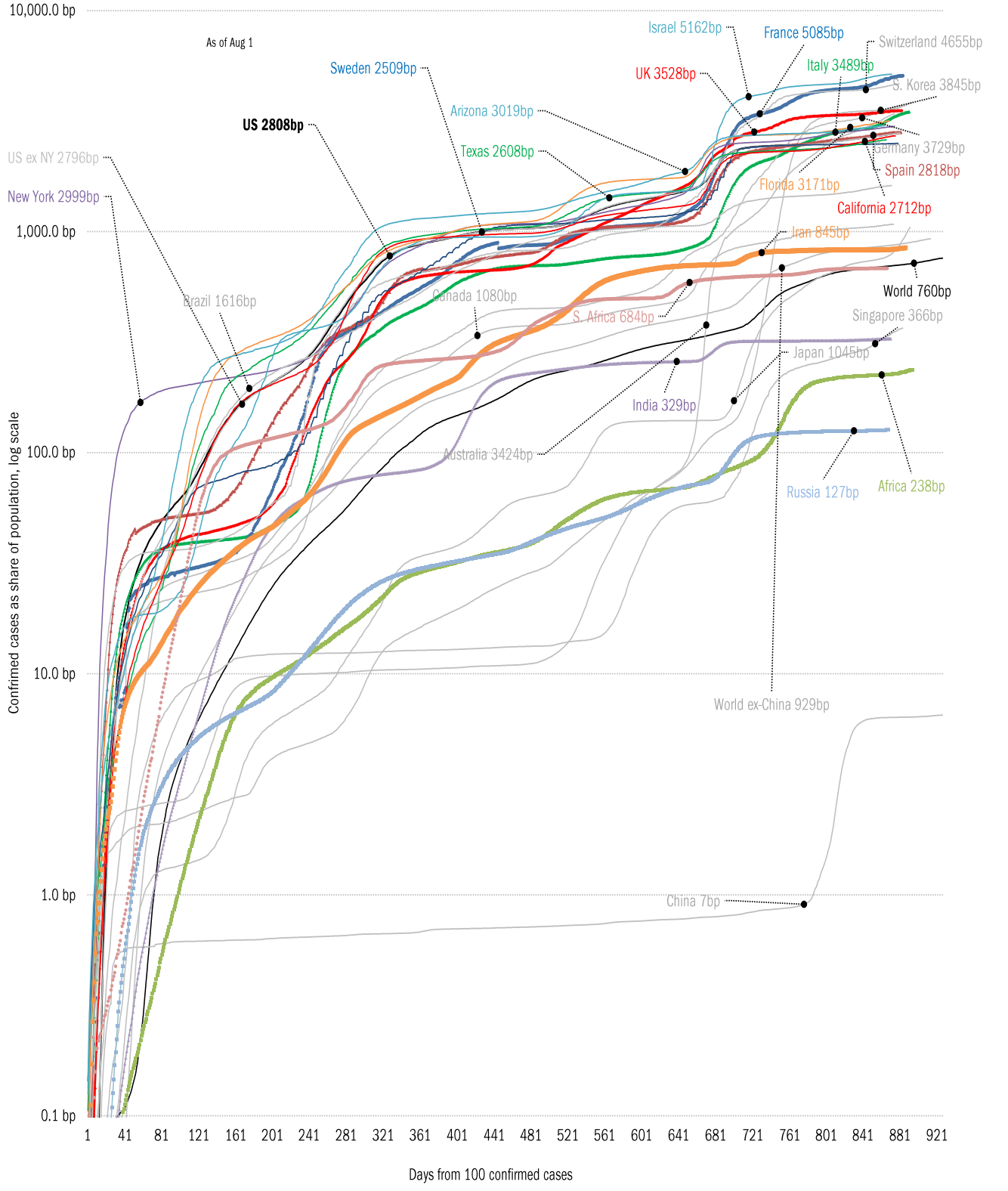
[Of Course Biden Has Rebound COVID]
Rachel Gutman-Wei
The Atlantic
July 30, 2022

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

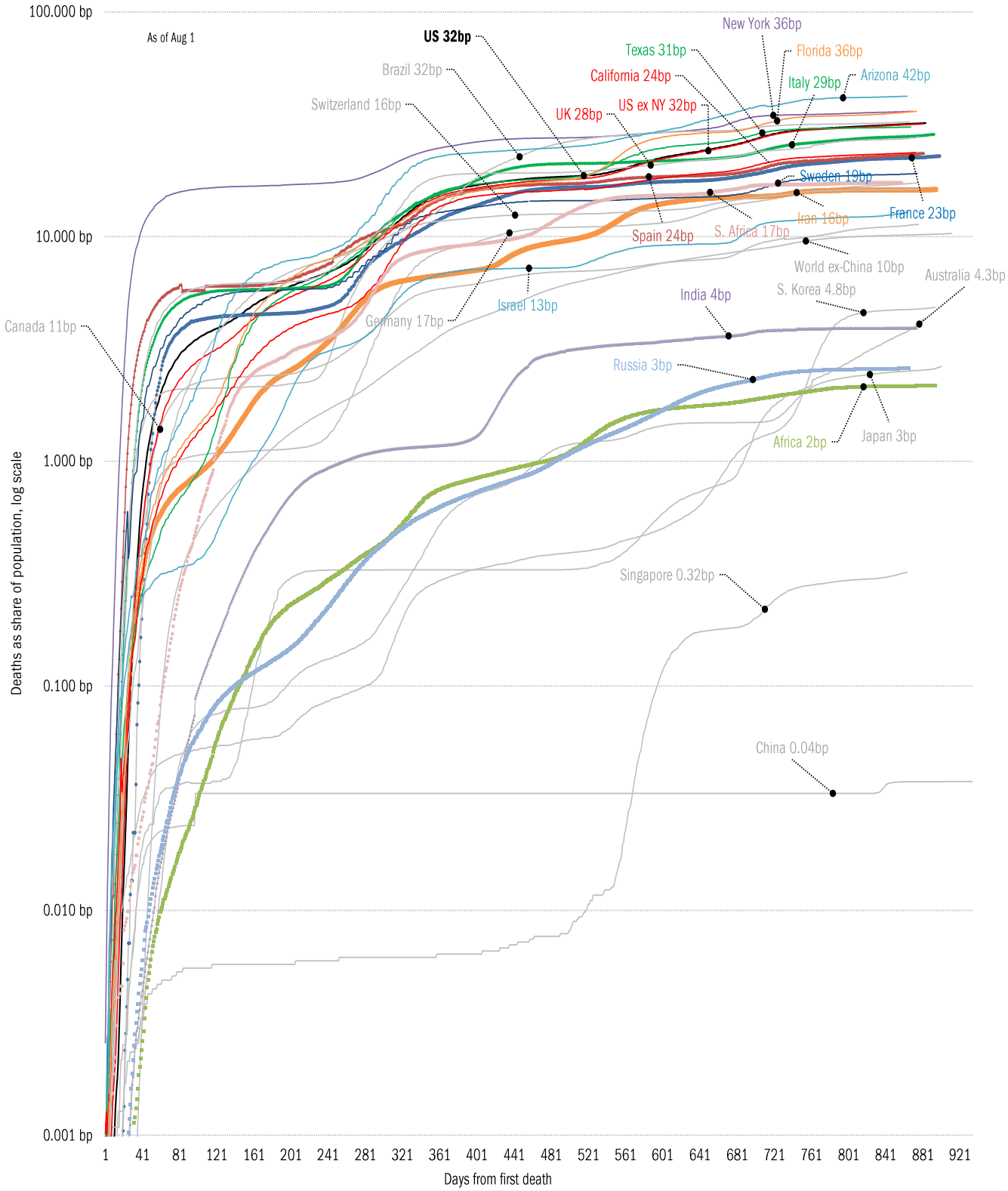
Share of infected population from first day with 100 confirmed cases, log scale



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

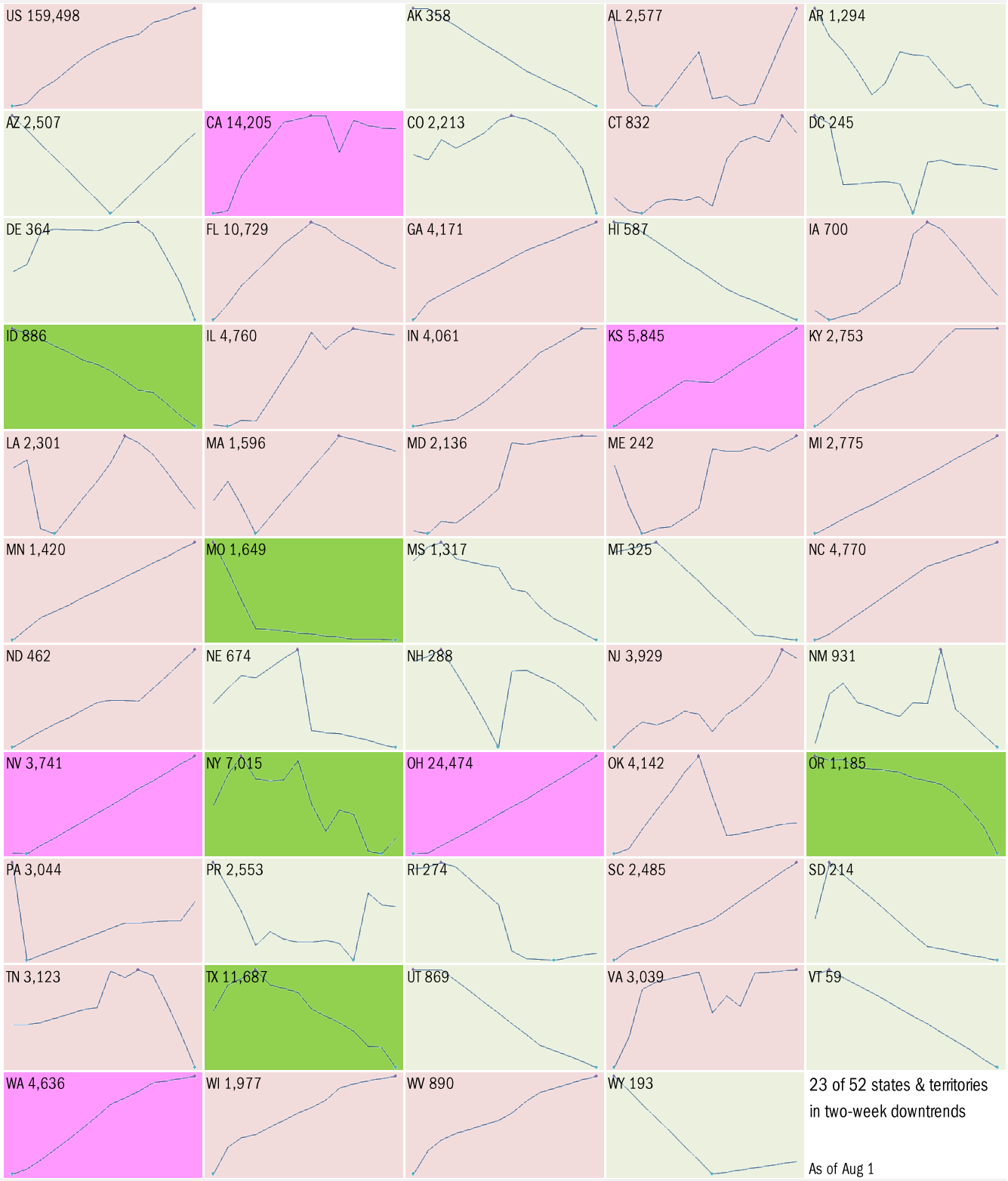
Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

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

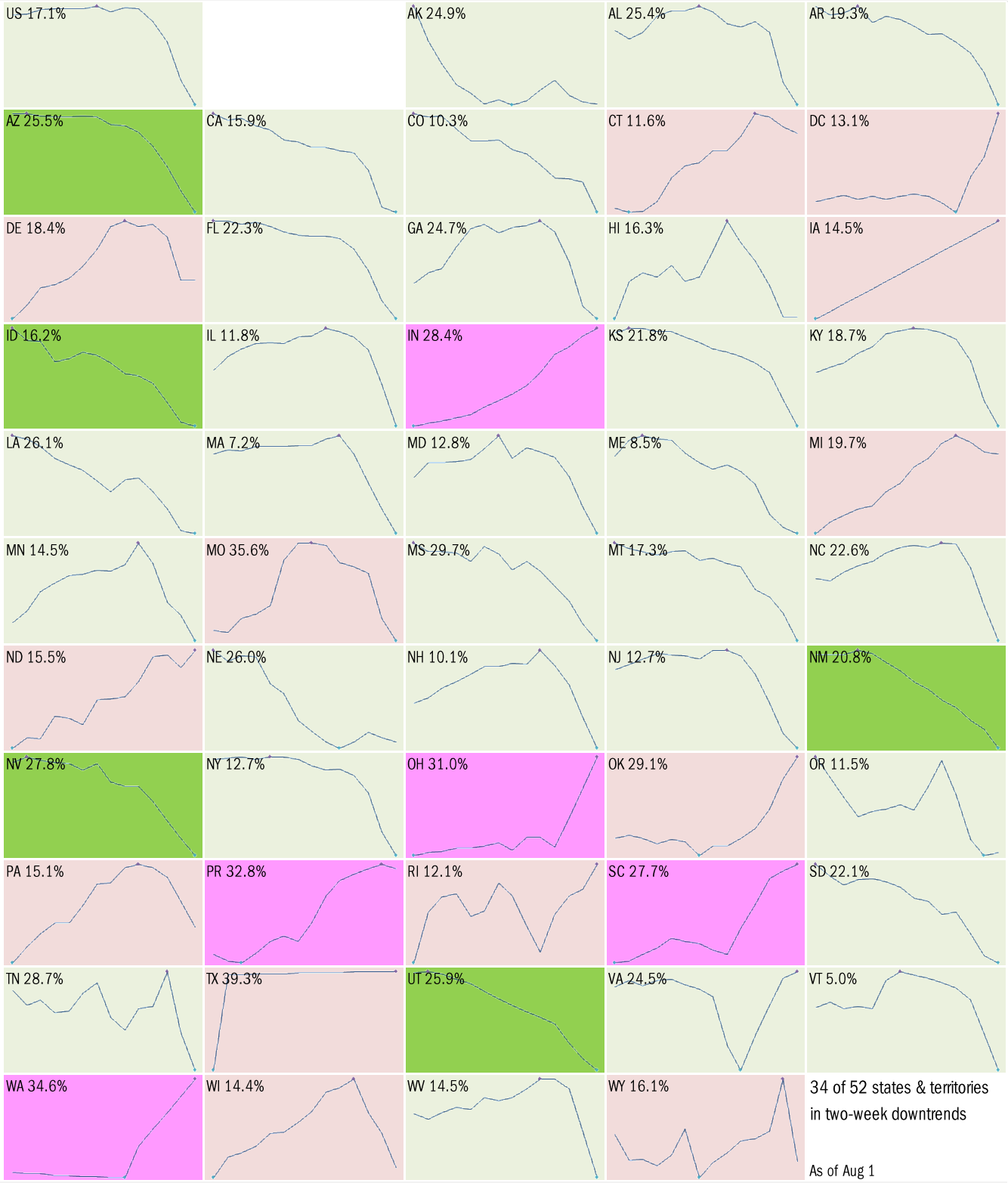


Source: Johns Hopkins, TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

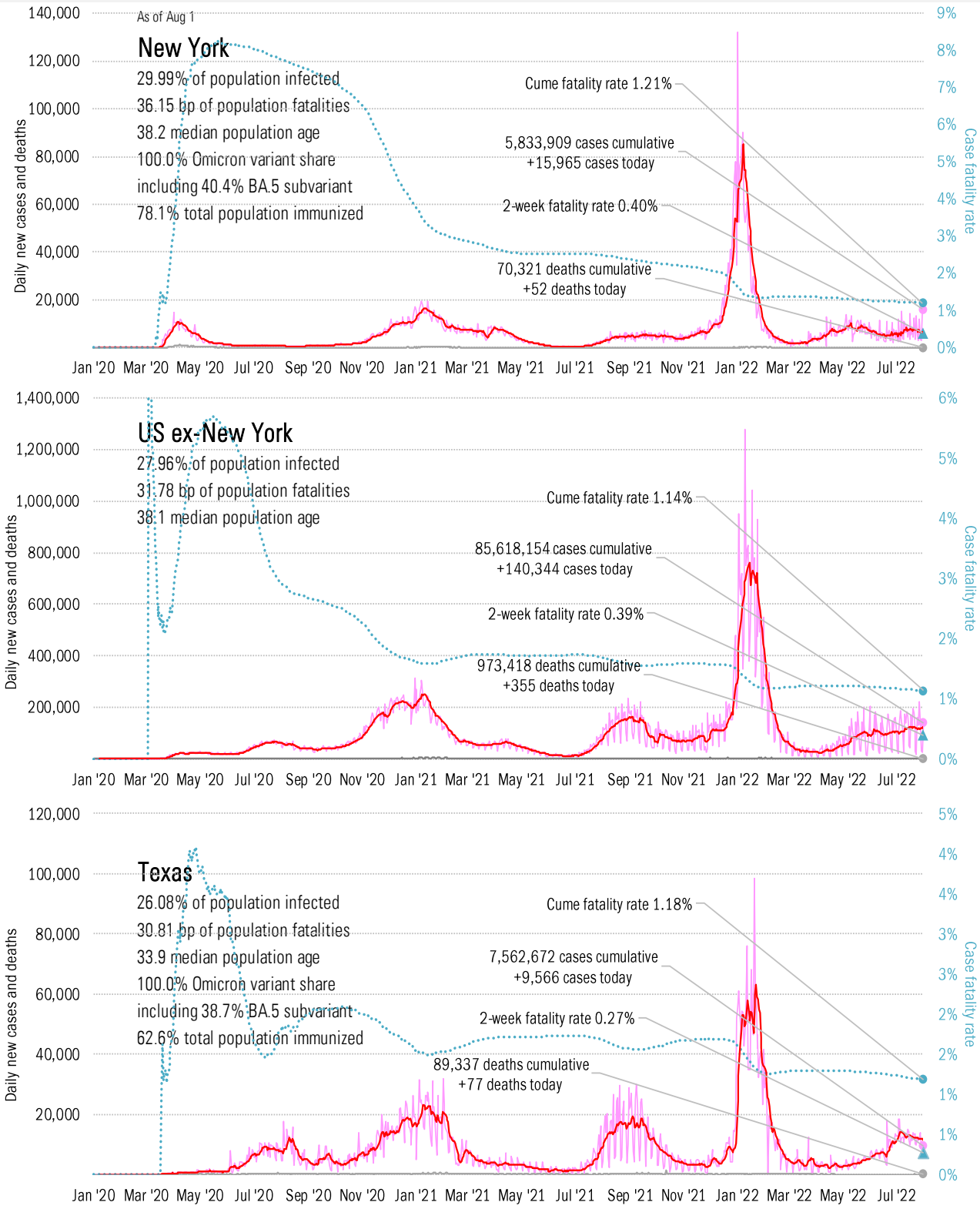
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

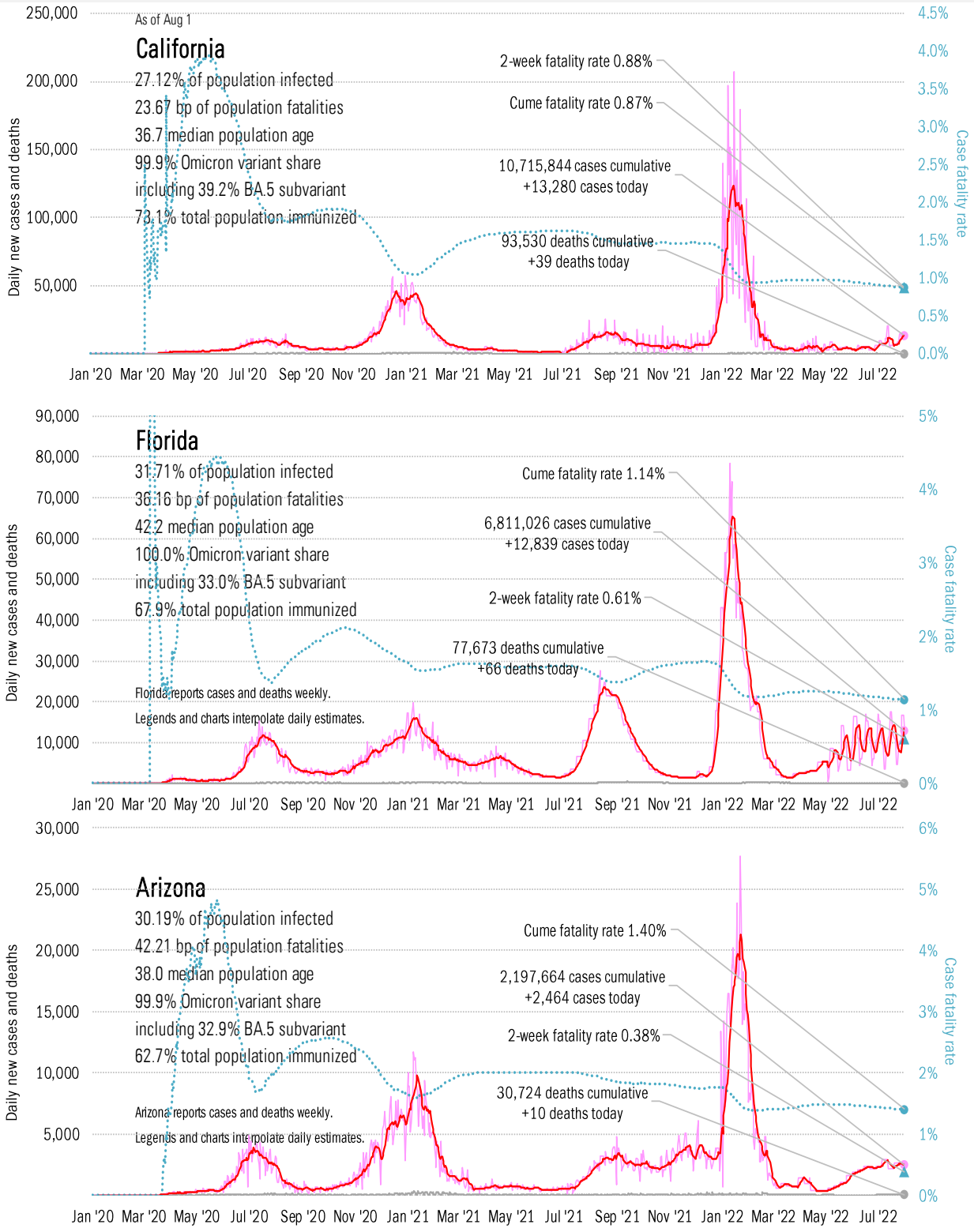
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

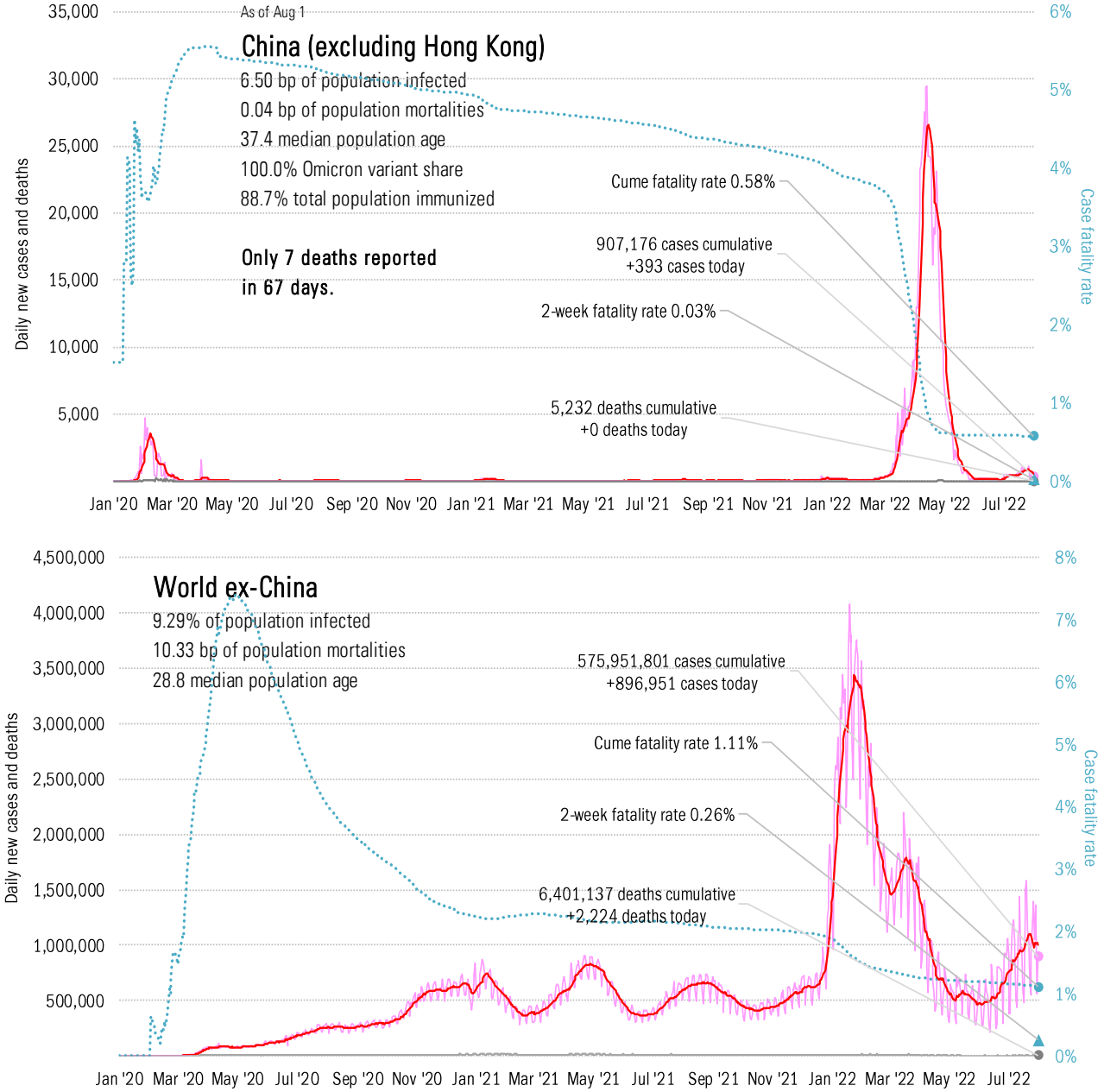
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

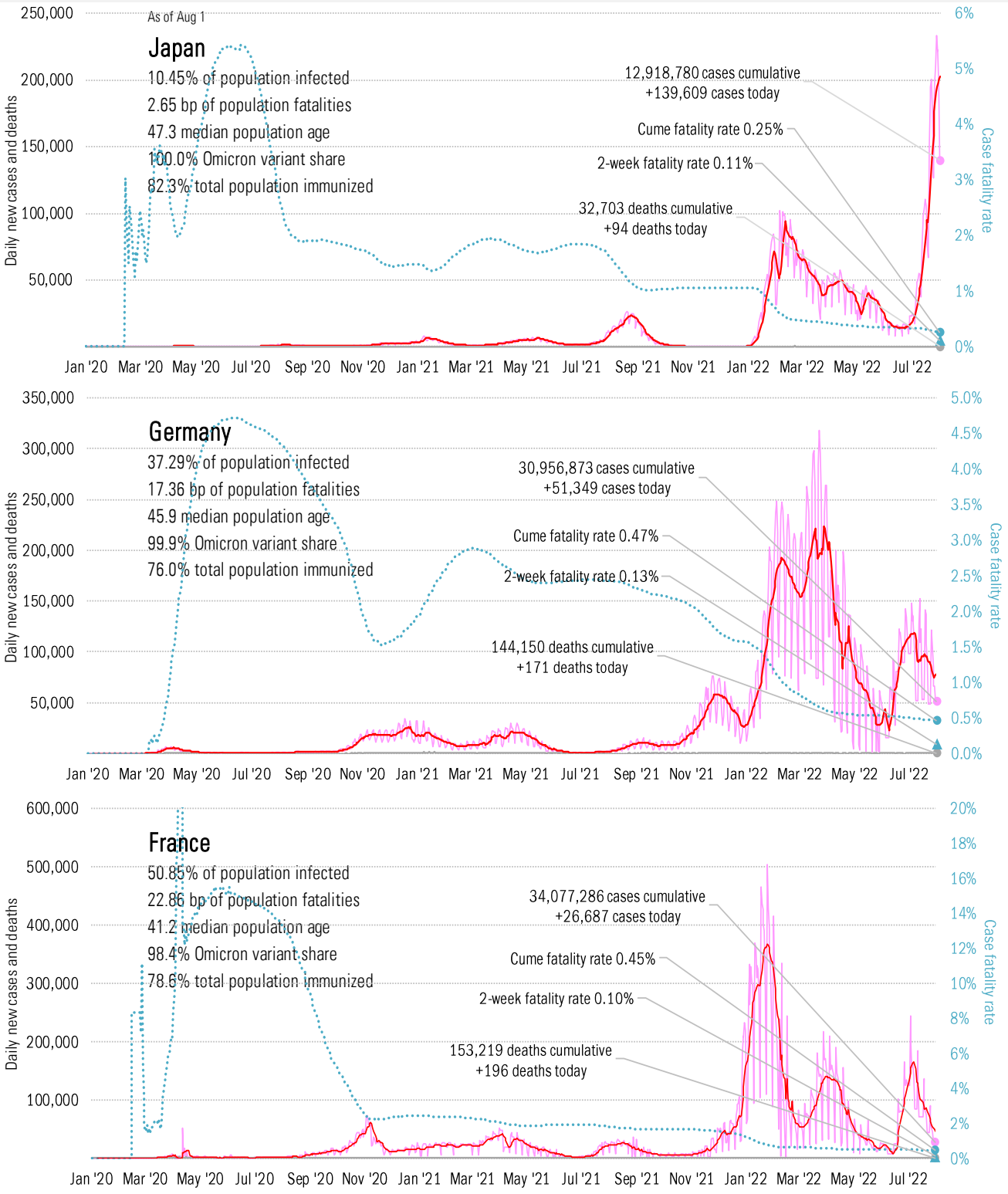
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

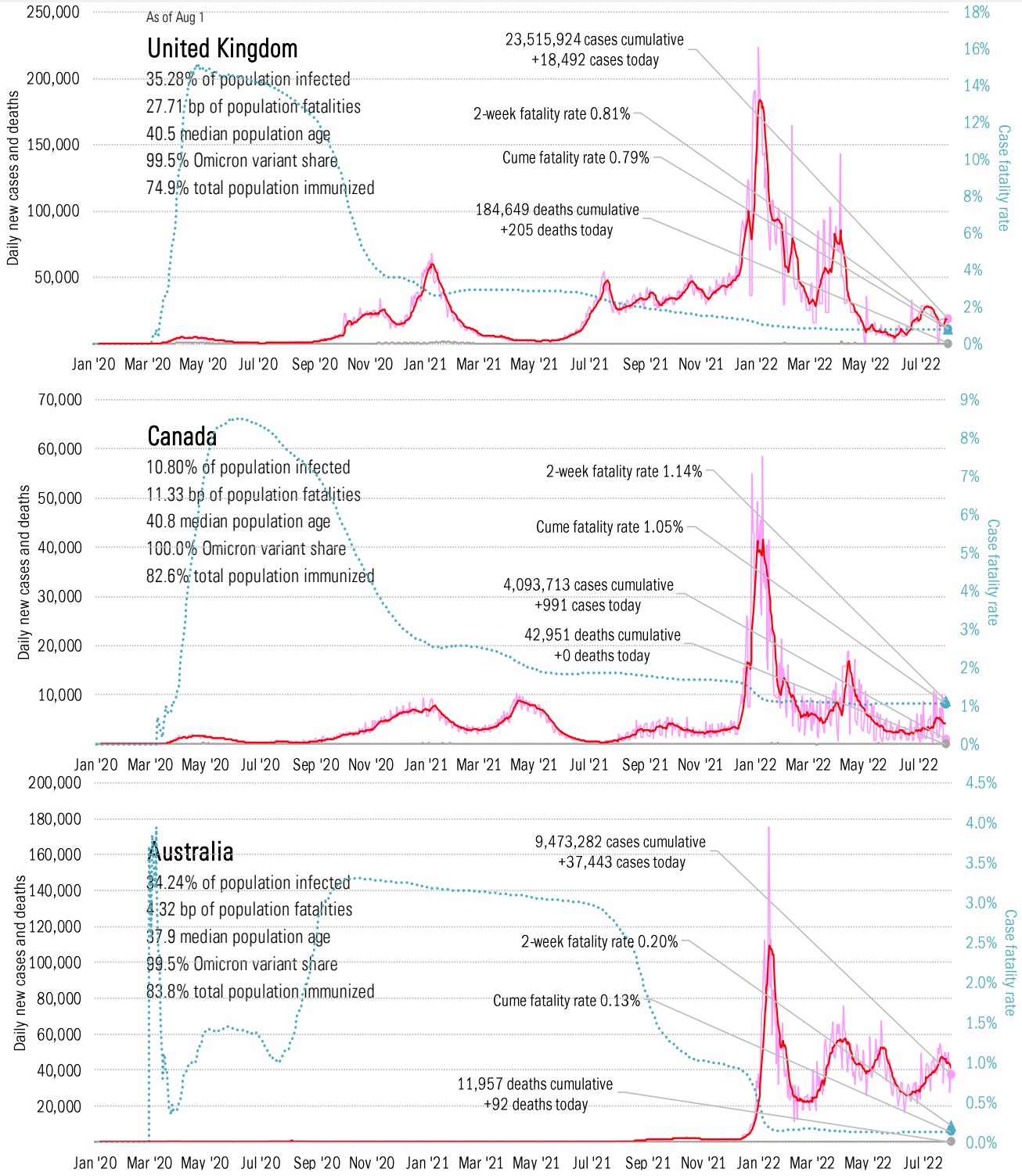
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

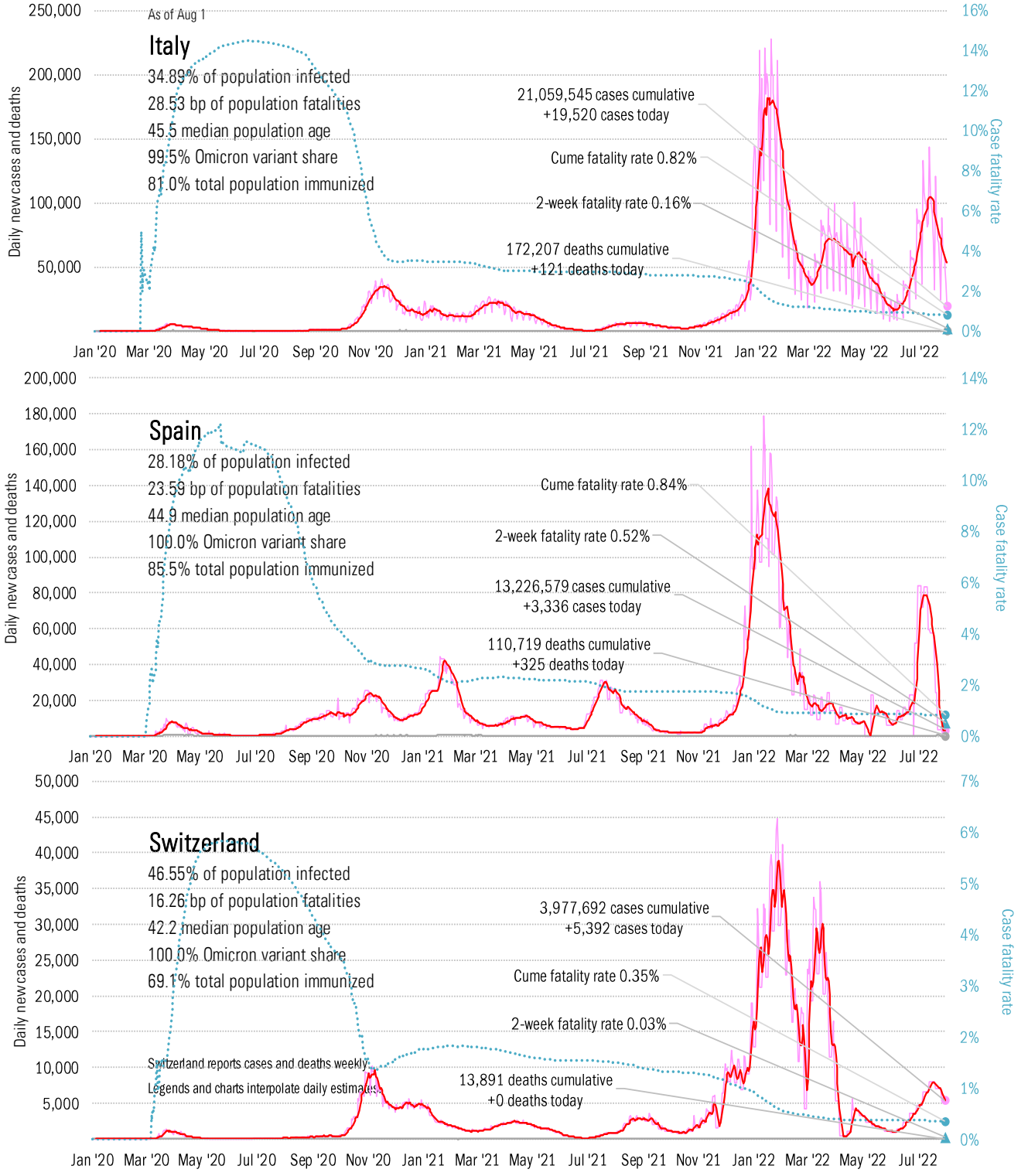
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

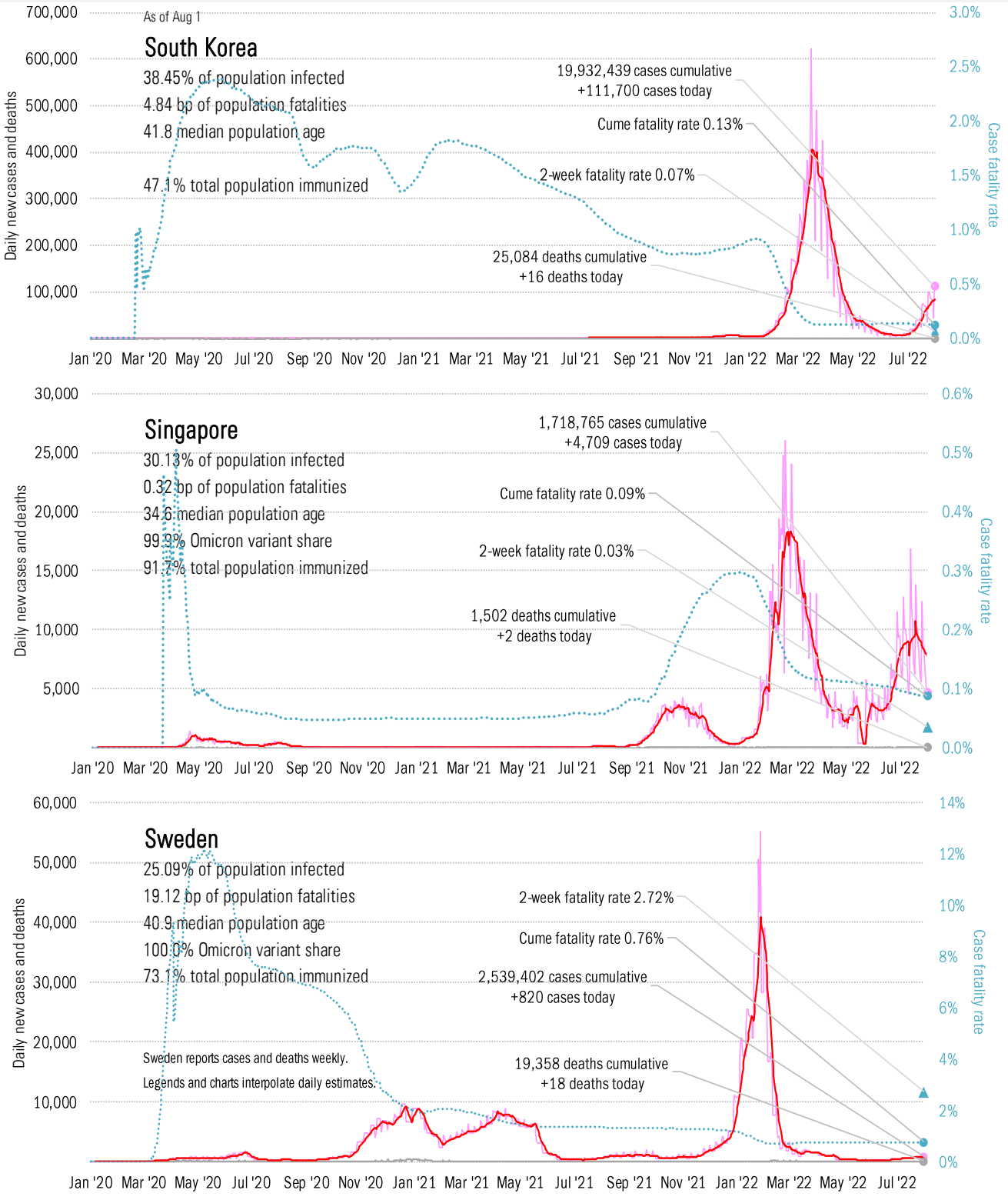
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

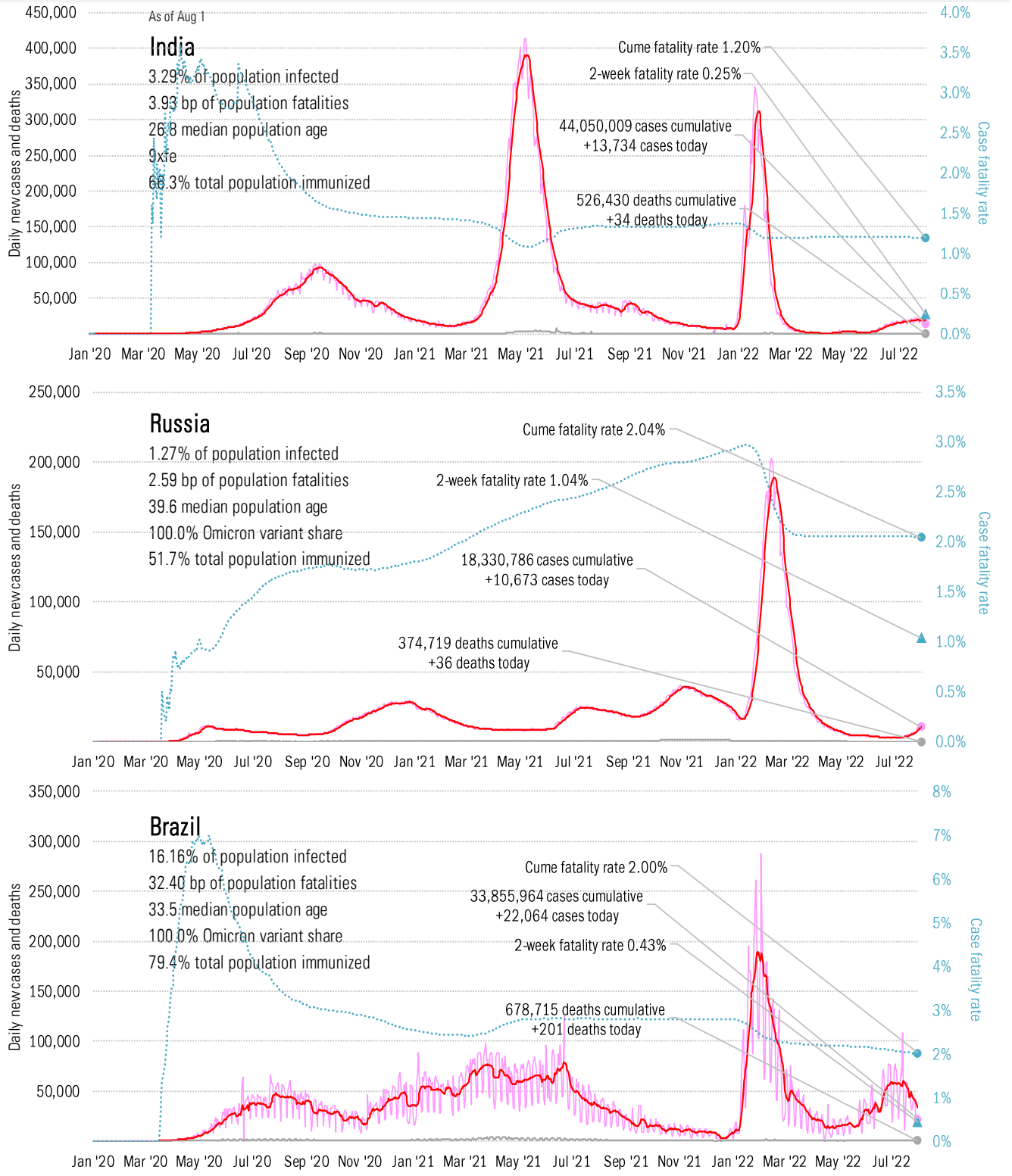
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

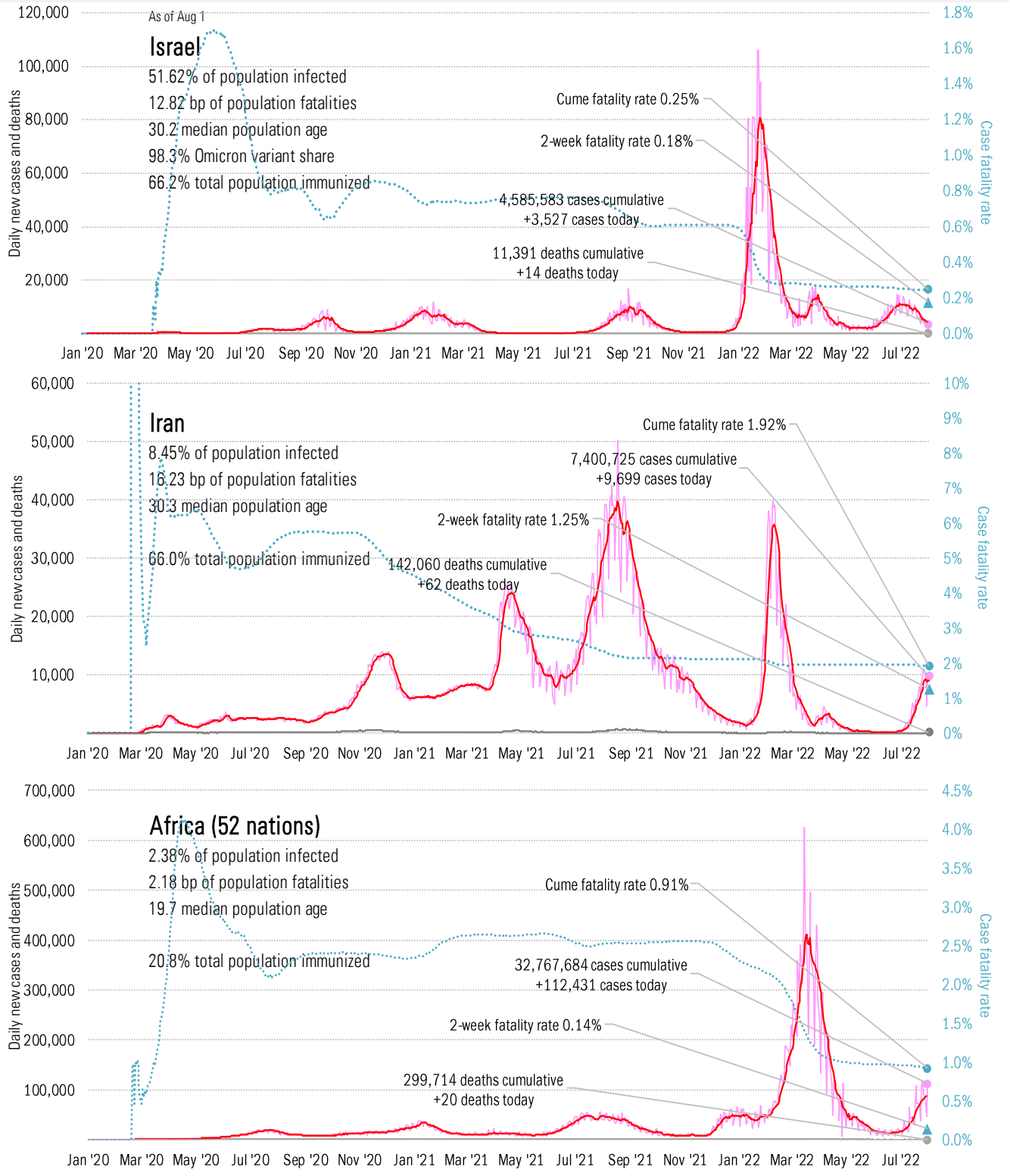
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

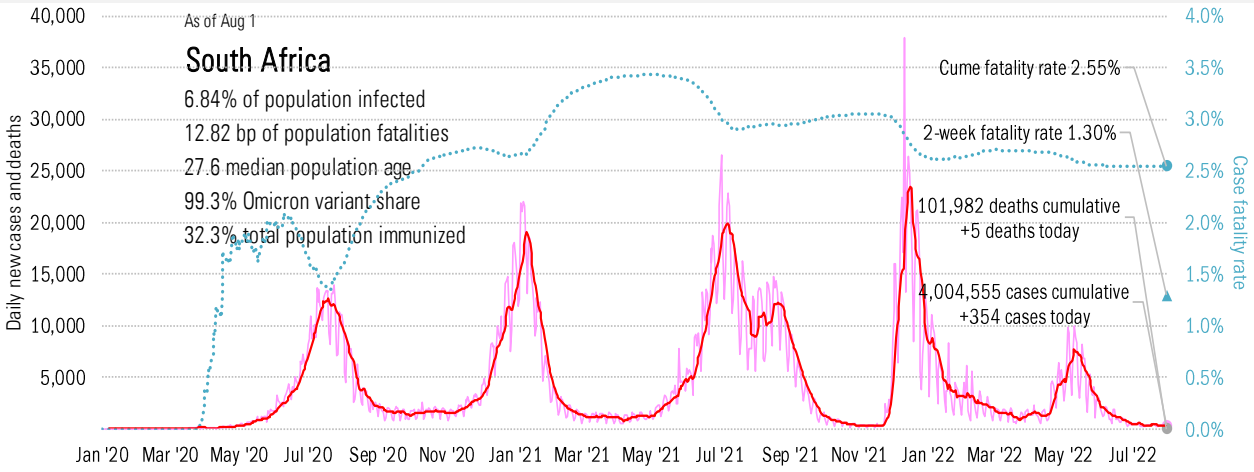
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations