Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

Data Insights: Covid-2019 Monitor

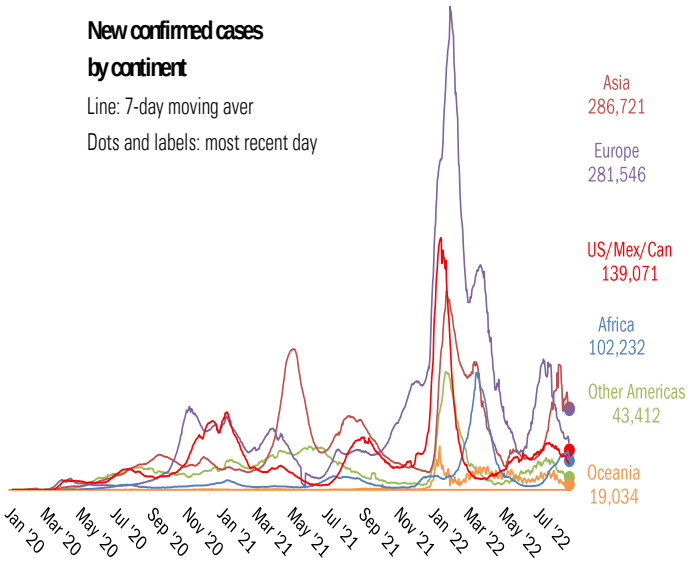
Friday, August 26, 2022

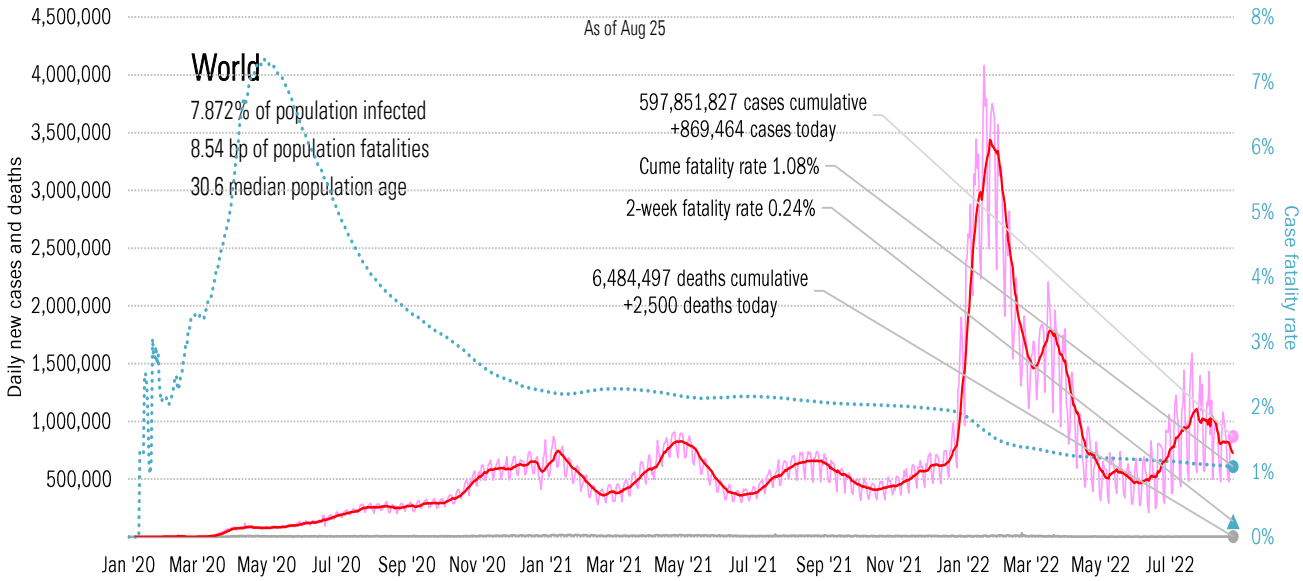
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	220,847	United States	567
United States	122,033	Japan	296
Korea, South	101,064	Germany	206
Germany	86,544	Brazil	157
Russia	43,357	Canada	144
United Kingdom	32,088	Sweden	128
Taiwan*	27,227	Australia	113
Italy	23,435	Colombia	113
Brazil	21,039	Finland	110
France	19,893	Italy	84
	697,527		1,918
World	869,464	World	2,500
Top ten	80%	Top ten	77%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
Donald Luskin: 214 550 2121 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

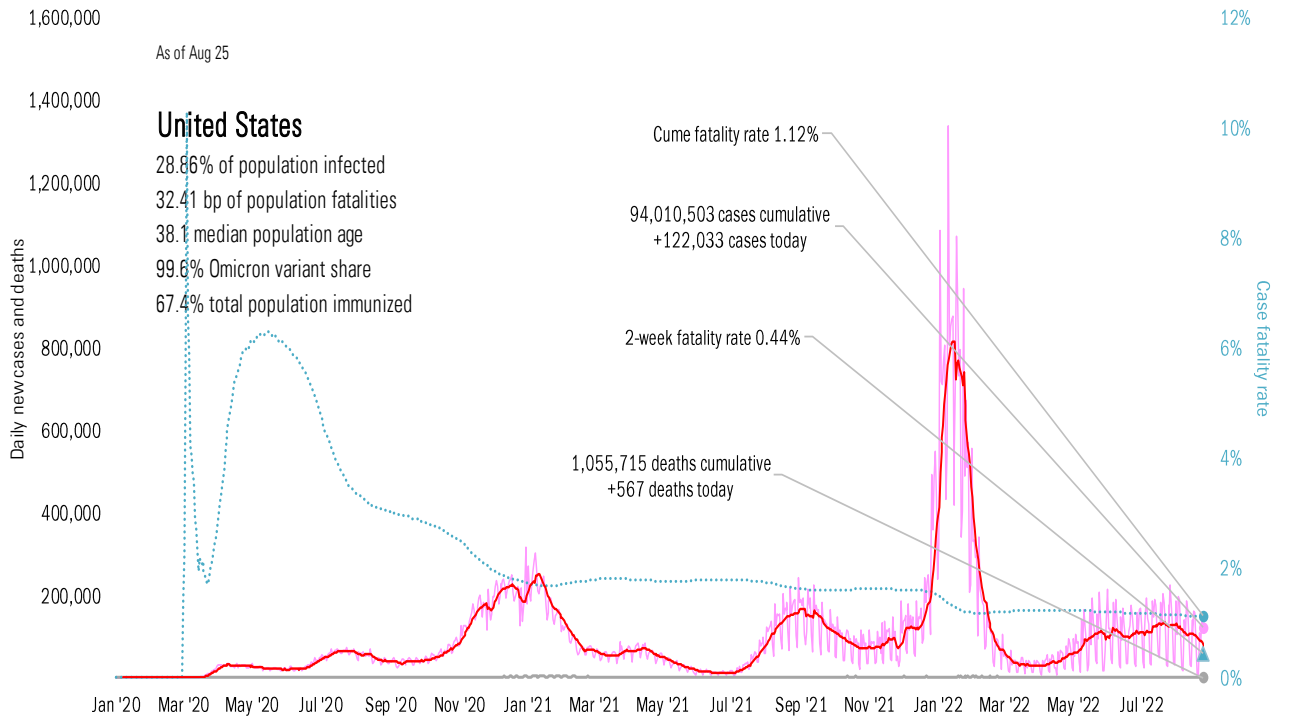
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
PA	16,099	FL	73	WI	90	CA	11,025,557	CA	94,644	TX	534,054	RI	90%	VT	92%
TX	9,151	WA	43	GA	240	TX	7,802,507	TX	90,139	CA	485,371	MA	88%	AL	85%
MA	8,796	TX	39	PA	241	FL	6,976,524	FL	79,370	FL	480,515	GA	87%	AK	83%
NY	5,931	IN	35	MI	164	NY	5,963,876	NY	70,995	NY	289,438	WA	85%	NE	83%
IN	5,705	IL	30	CA	531	IL	3,666,458	PA	46,596	GA	221,108	MN	84%	TX	83%
FL	5,546	NY	25	NJ	158	PA	3,167,638	GA	39,632	OH	211,424	MO	84%	NC	83%
IL	5,116	VA	25	PR	33	NC	3,098,923	OH	39,406	PA	197,343	DE	84%	RI	82%
KS	4,977	GA	23	TX	458	OH	3,049,546	IL	39,265	IL	180,604	MD	84%	GA	81%
TN	4,409	MI	19	NE	37	GA	2,852,706	MI	37,909	MI	157,316	MI	82%	MS	81%
OK	3,854	CA	19	MT	29	MI	2,751,201	NJ	34,512	KY	141,672	AK	82%	WA	81%
	69,584		331		1,981		50,354,936		572,468		2,898,845				
All states	122,033		567		5,498	All states	94,010,503		1,055,715		5,259,208	All states	70%		67%
Top ten	57%		58%		36%	Top ten	54%		55%		55%	Median	78%		74%

Some states not reporting

Five most improved US states

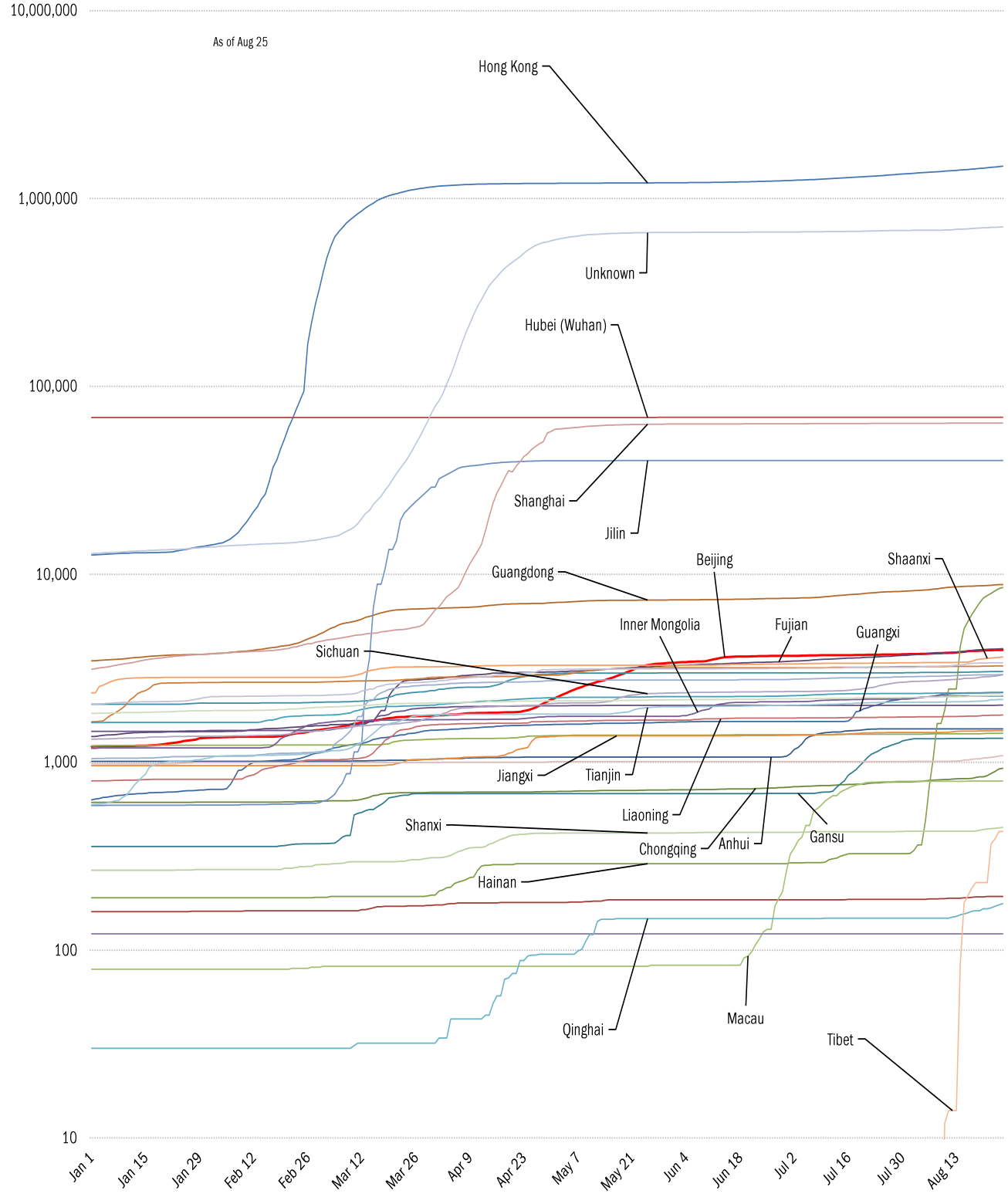
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
IA	-1,031	CA	-16	MO	-59
TN	-551	NY	-7	AL	-36
CO	-413	NV	-3	ME	-34
CA	-266	NJ	-2	AZ	-29
CT	-194	NM	-2	IN	-18



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

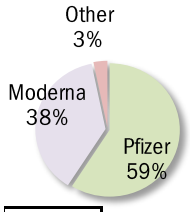
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	624,295,607				+0.198 million
of which boosters	110,660,827				+0.048 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	270,806,258	81%	230,434,360	69%	+0.034 million
Age 12 to 17	18,123,872	72%	15,482,720	61%	+0.003 million
Age 18 to 64	180,801,270	89%	153,587,488	76%	+0.015 million
Age 65 and over	59,698,554	100%	52,224,169	95%	+0.004 million

Immunity	Full	Partial
US	67.4%	79.1%
UK	75.3%	79.9%
France	78.7%	80.9%
Spain	85.6%	86.9%
Germany	76.1%	77.6%
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%

Global data differs due to sources, timing



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

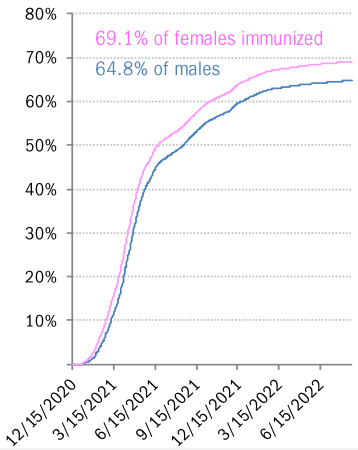
"Immunity" = two doses

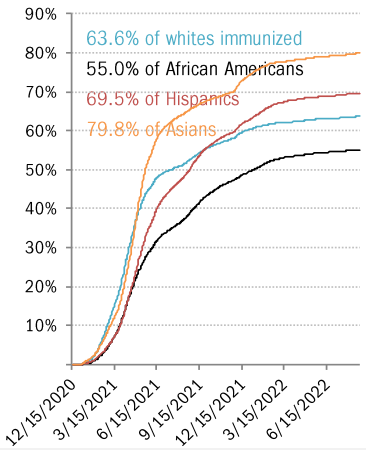
Best
Middle
Worst

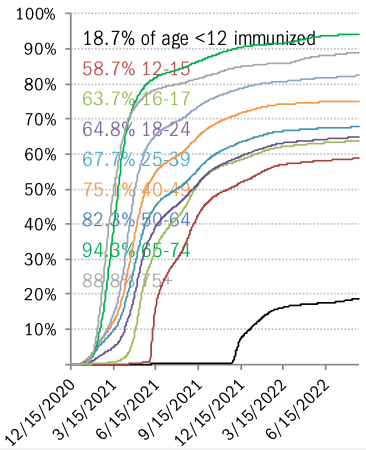
As of Aug 25

					WI					ME
					73.2%					93.1%
					66.6%					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%			
HI			TX					FL		PR
89.4%			74.4%					80.8%		95.0%
79.7%			61.6%					68.1%		84.3%

The demographics of US vaccination



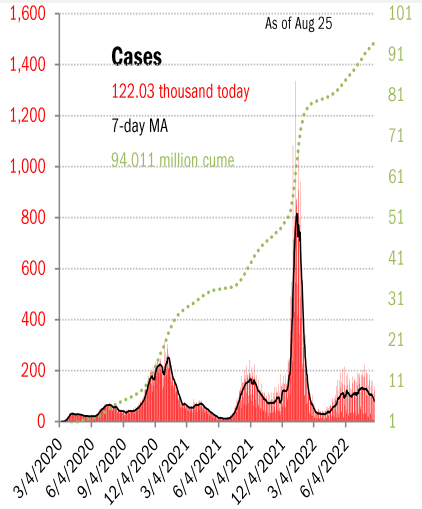


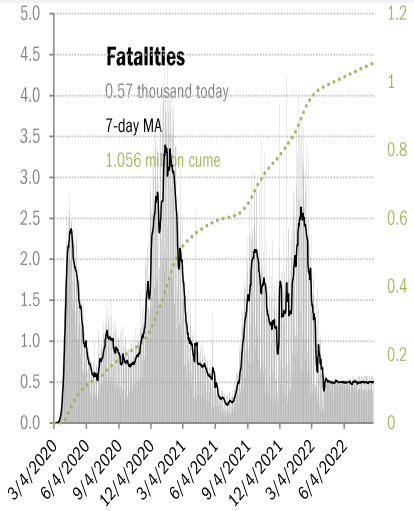


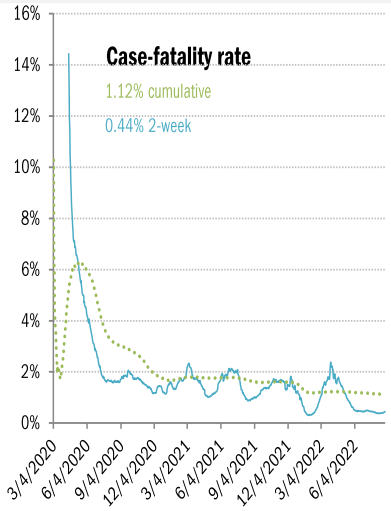
Source: CDC, CDC, Our World in Data, TrendMacro calculations

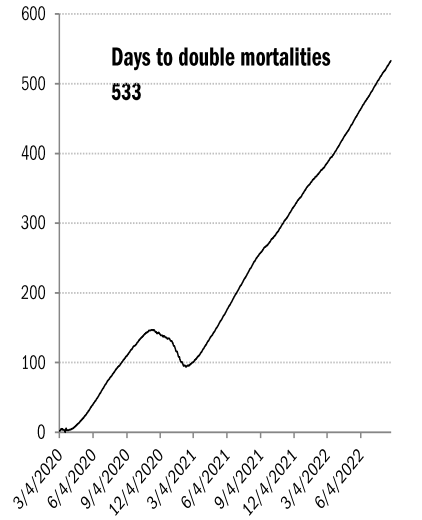
US deep-dive

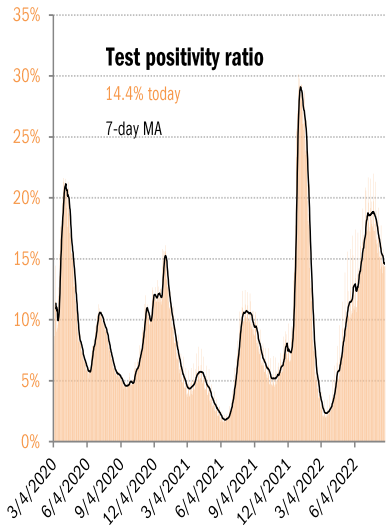
National and state-by-state data do not line up because of different sources

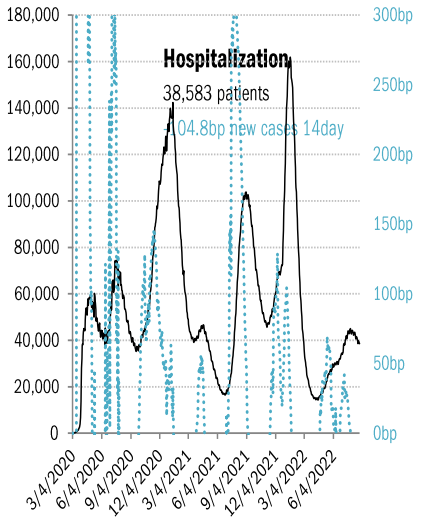


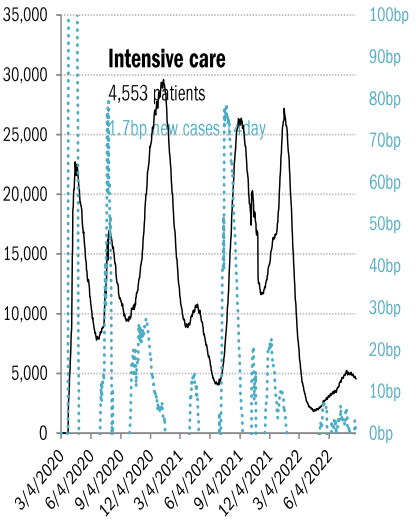


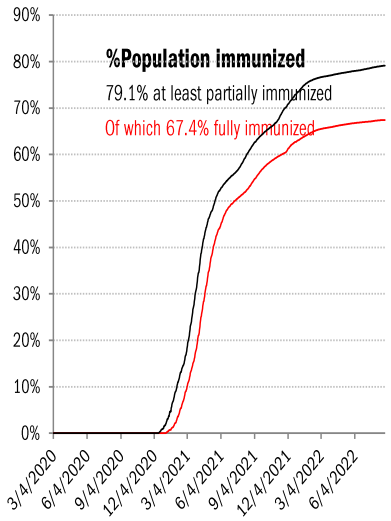












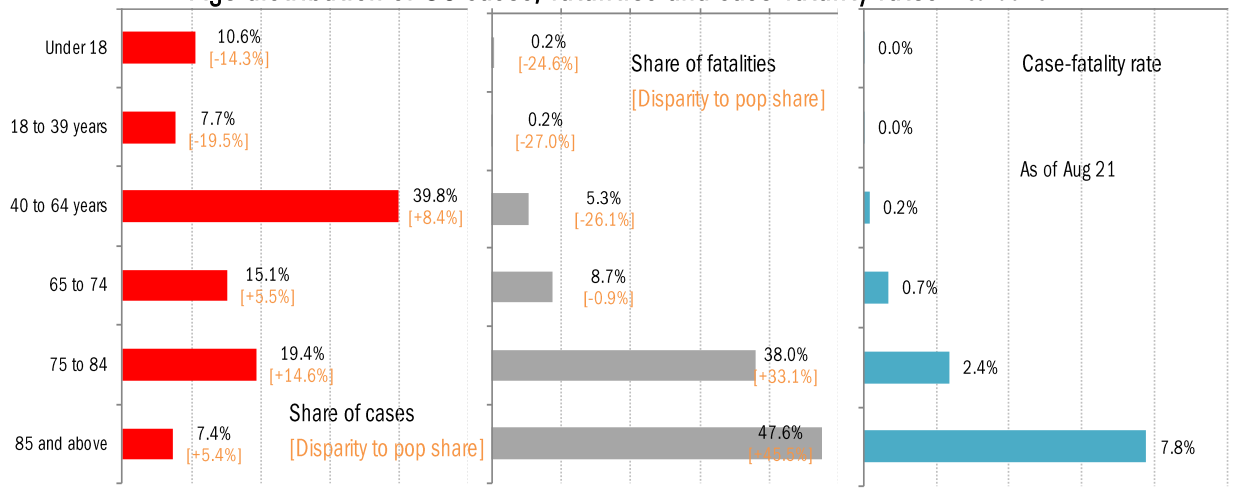
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

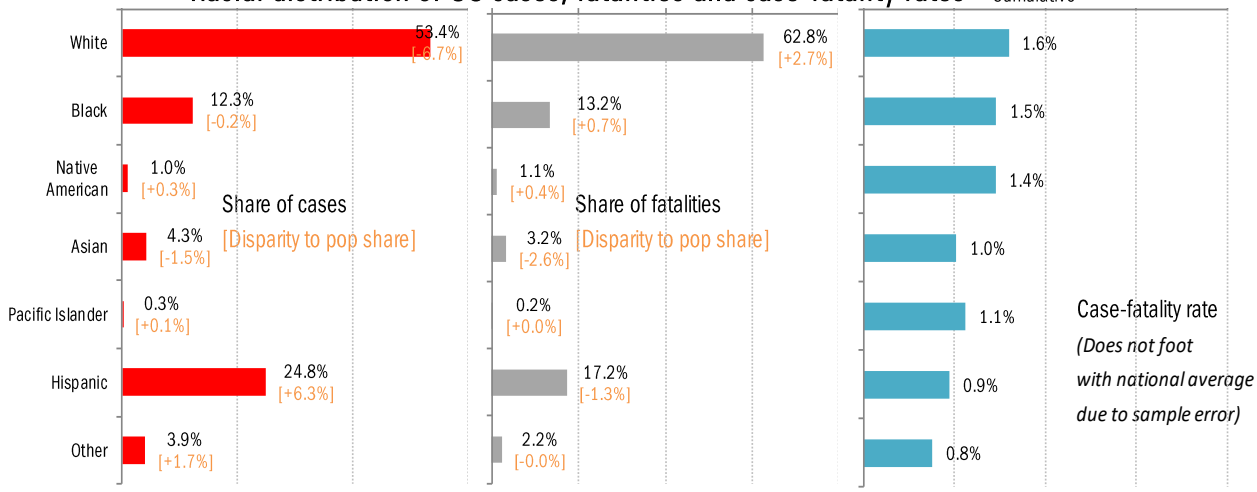
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



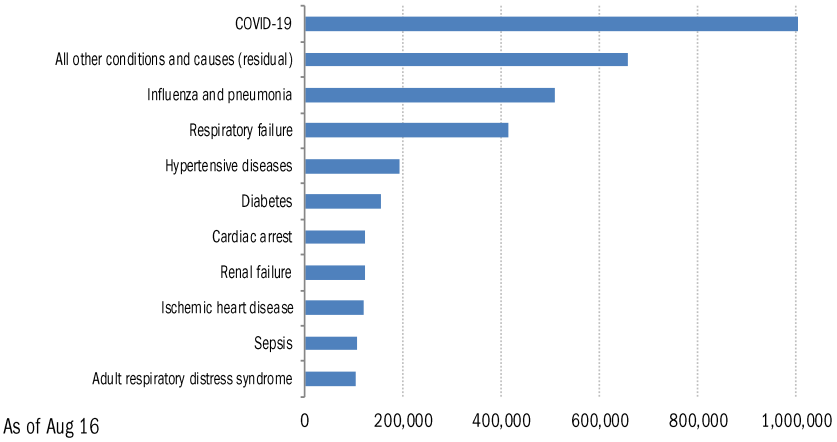
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 16

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 Scrap Covid-Test Requirement for Vaccinated Travelers]
Jon Herskovitz
Bloomberg
August 24, 2022

[America's Fall Booster Plan Has a Fatal Paradox]
Katherine J. Wu
The Atlantic
August 25, 2022

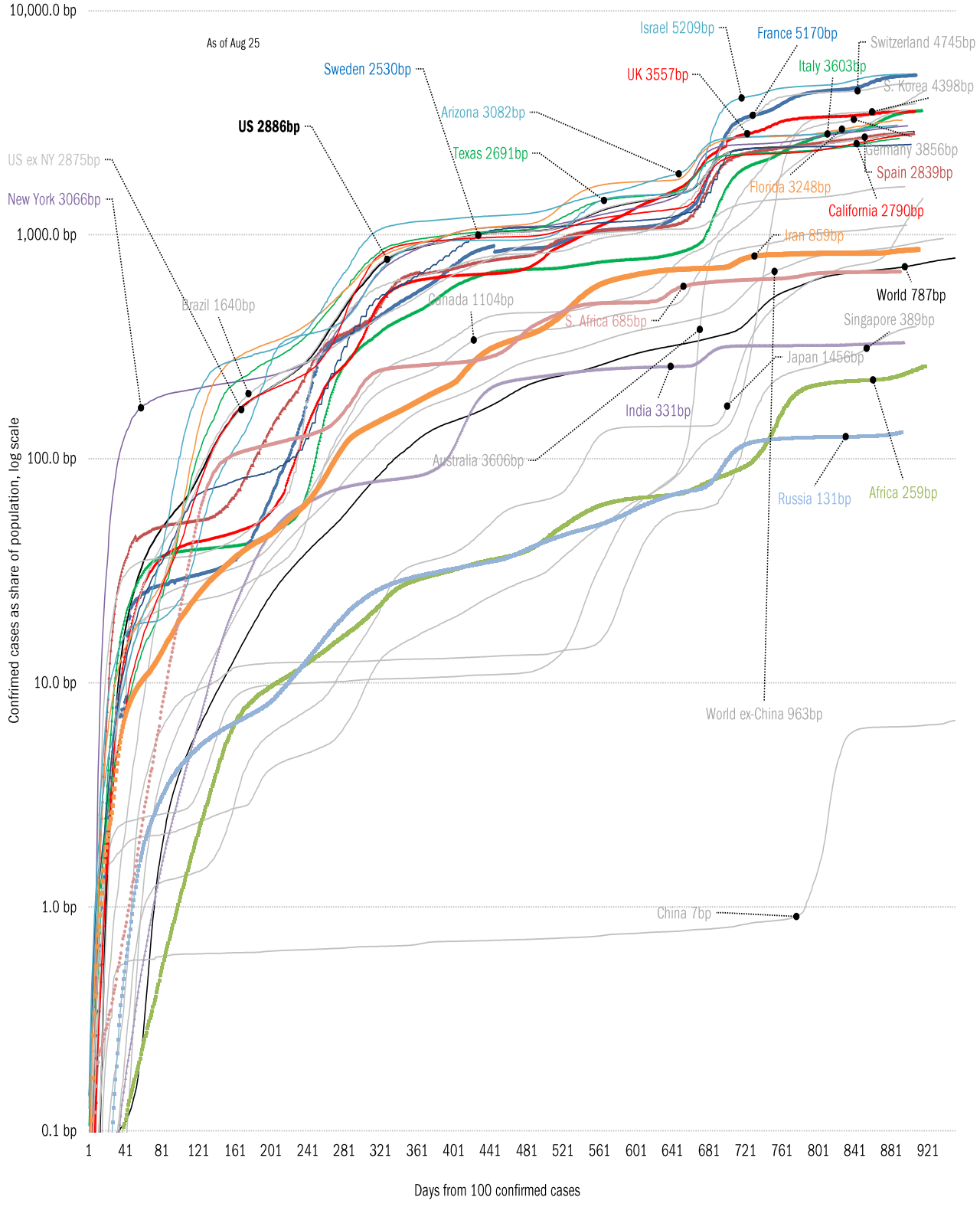
[Exclusive: Dr. Robert Malone on Why He's Suing the WaPo, Plus the Future of Corporate Media and What's Next for Fauci]
Michael Nevradakis
The Defender
August 23, 2022

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

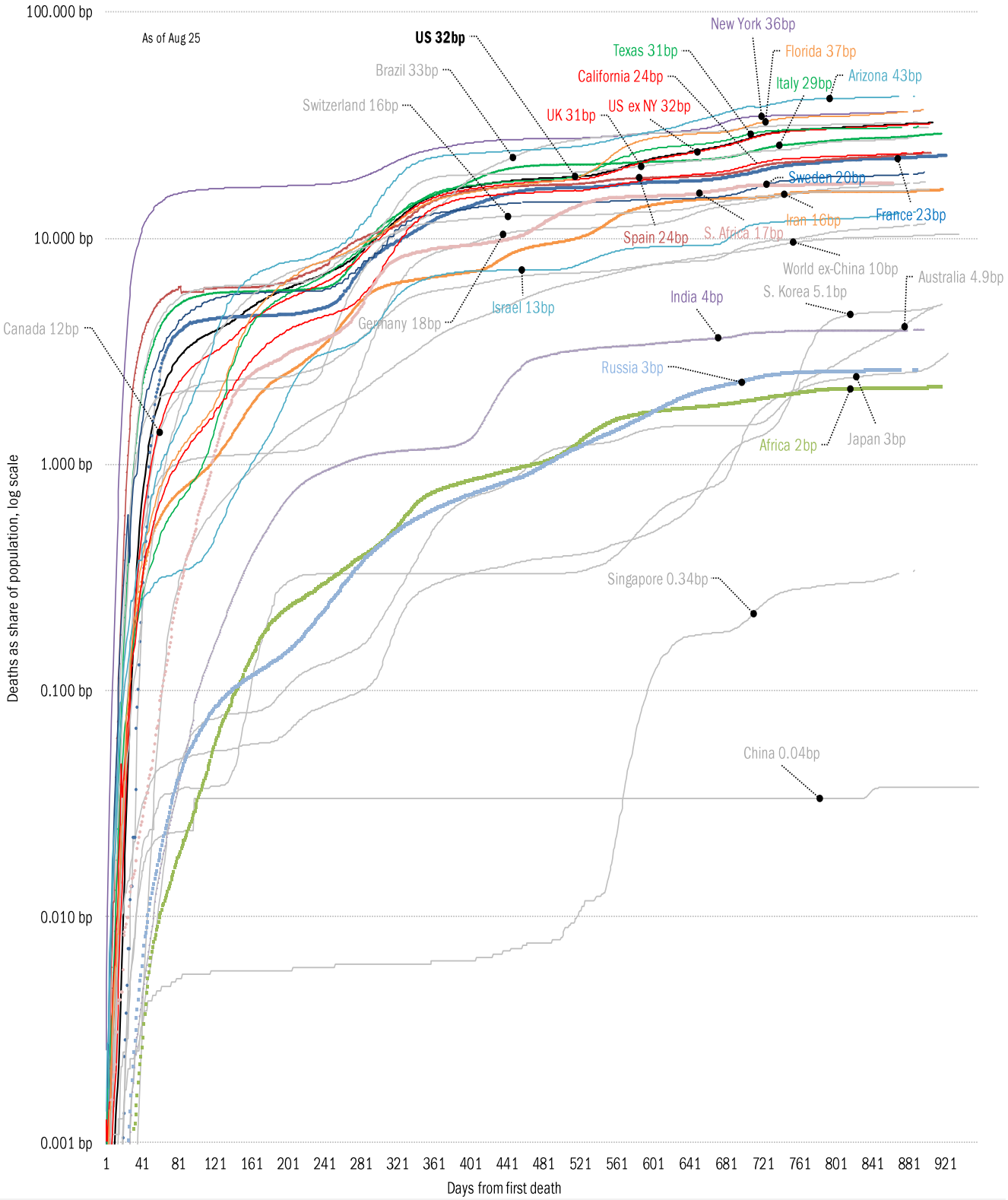
Share of infected population from first day with 100 confirmed cases, log scale



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

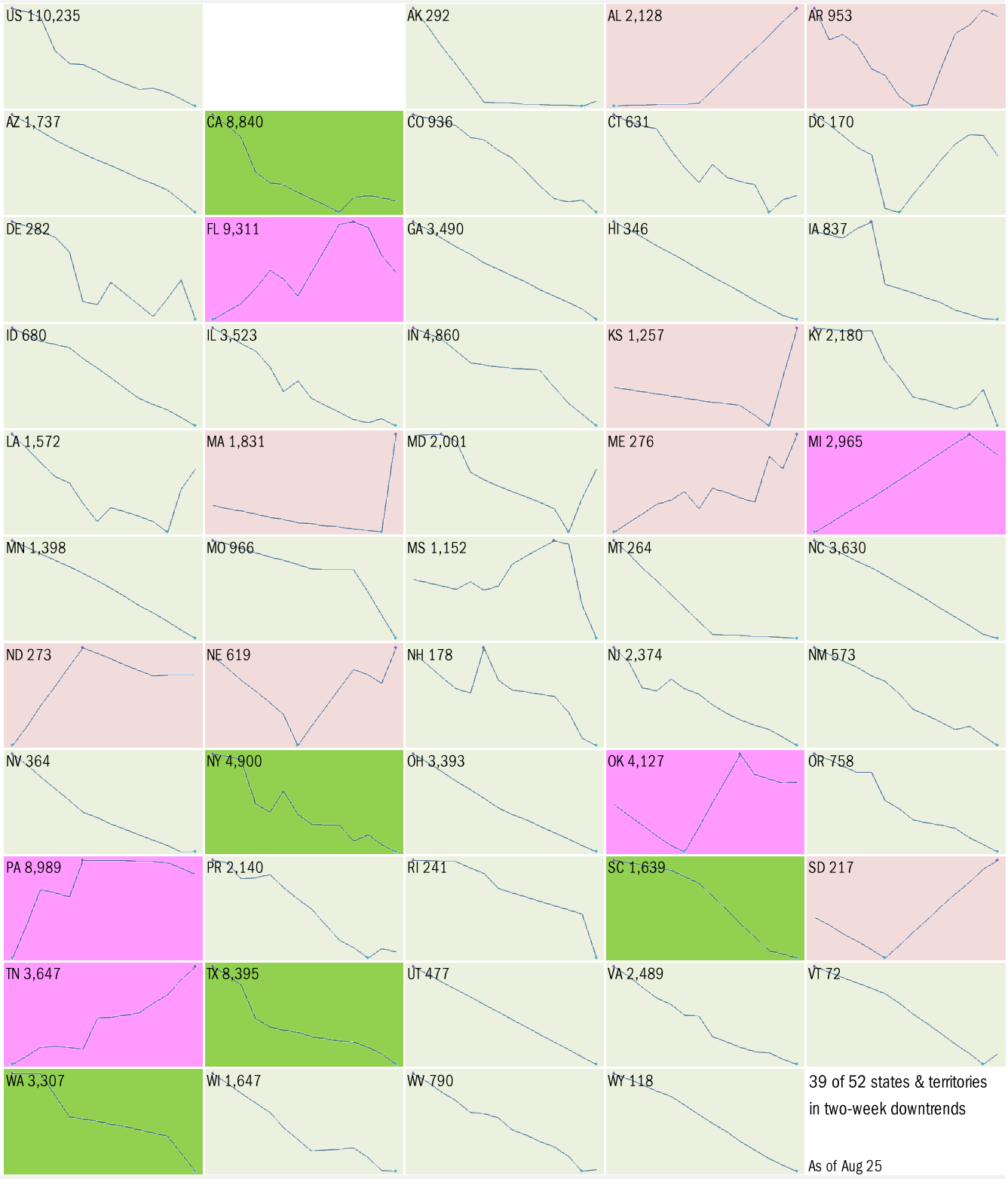
Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

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

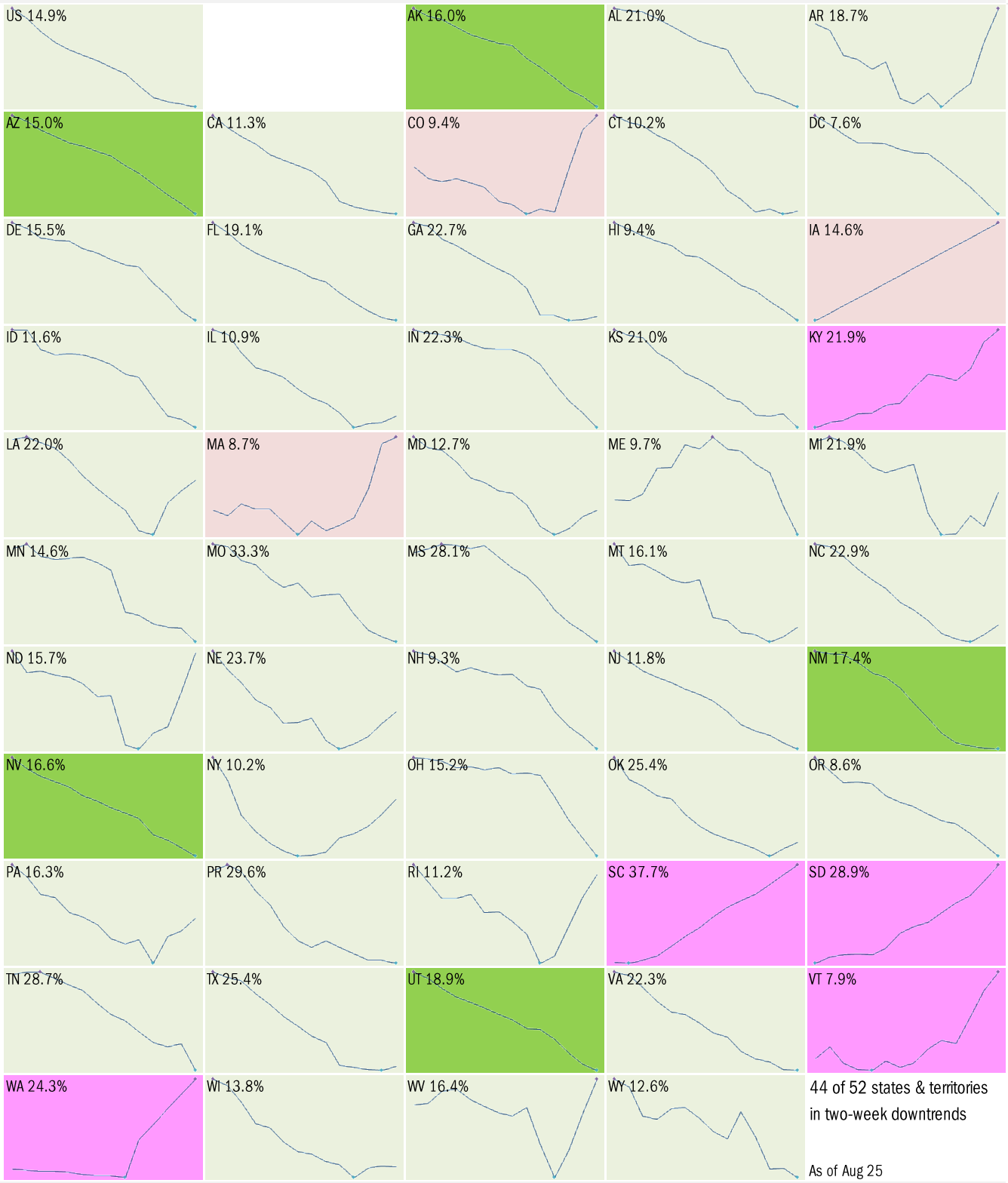


Source: Johns Hopkins, TrendMacro calculations

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

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

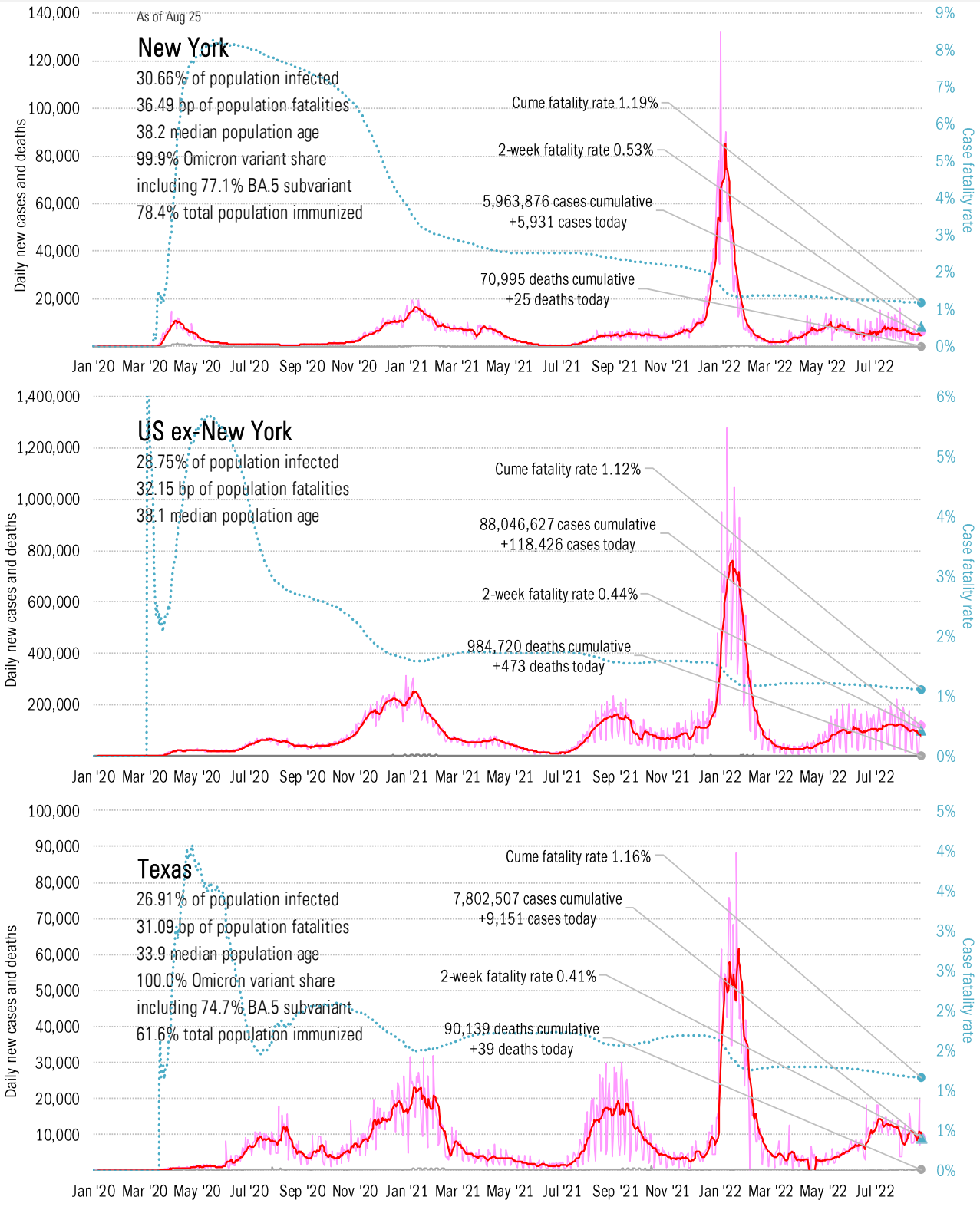
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

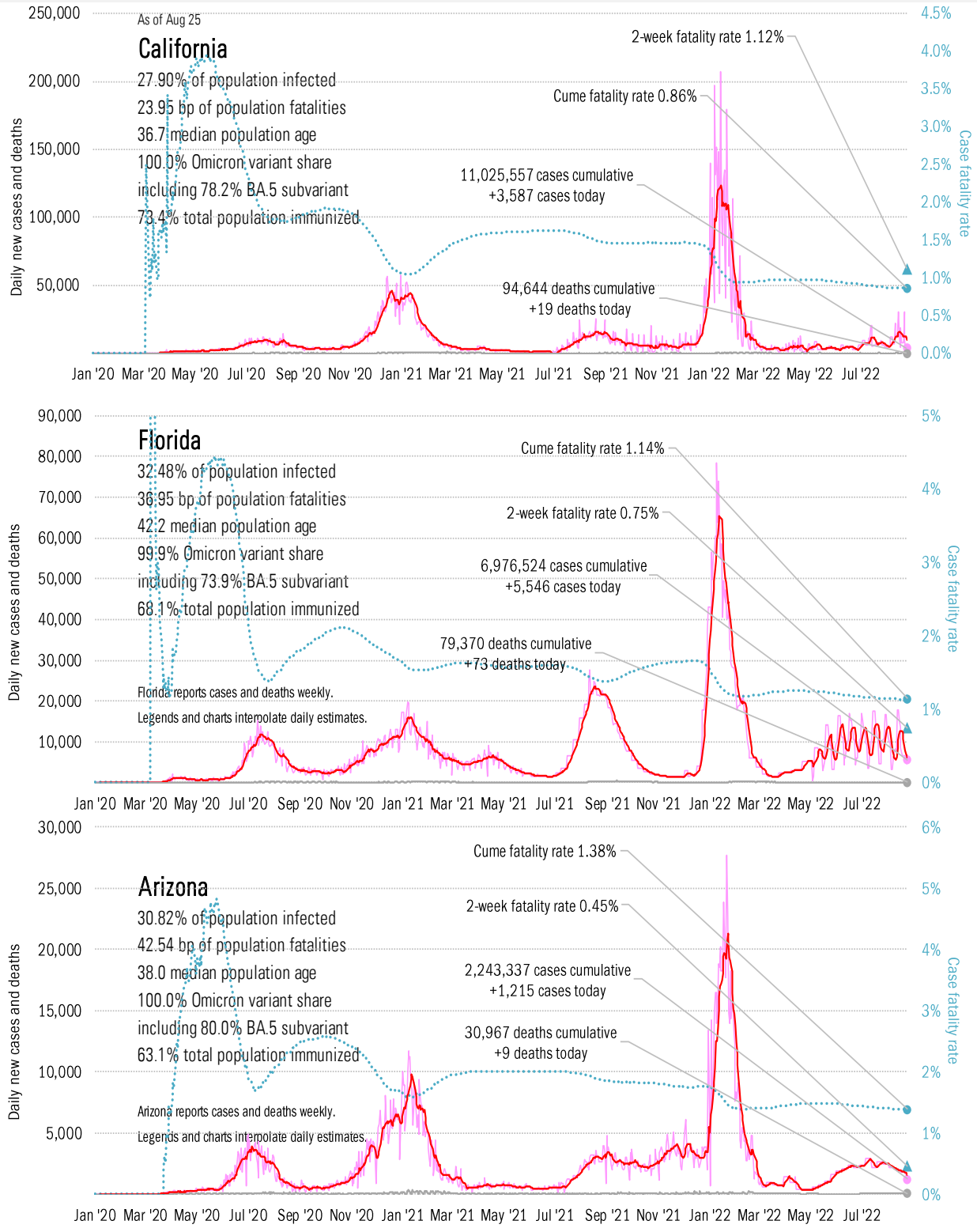
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

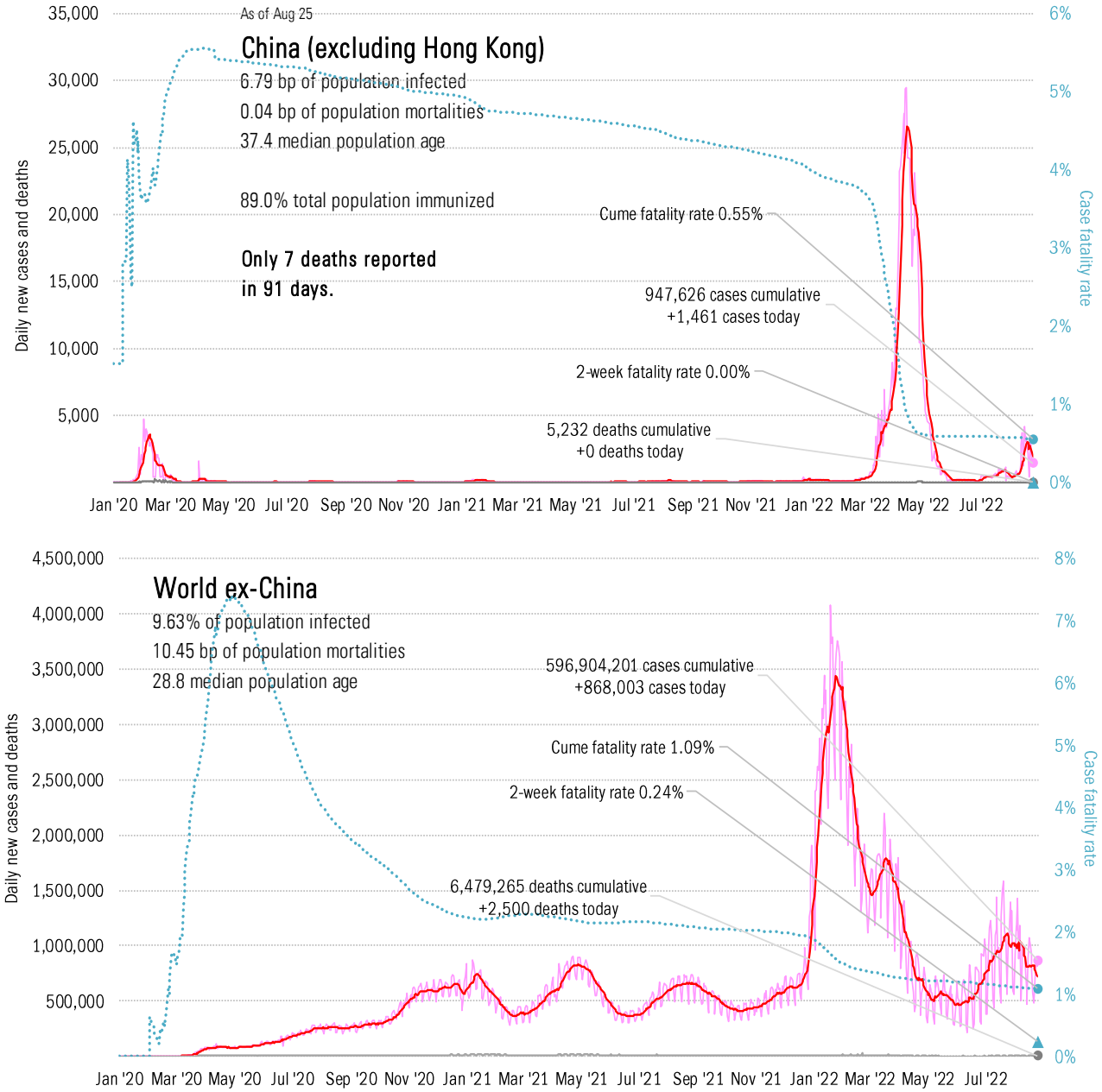
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

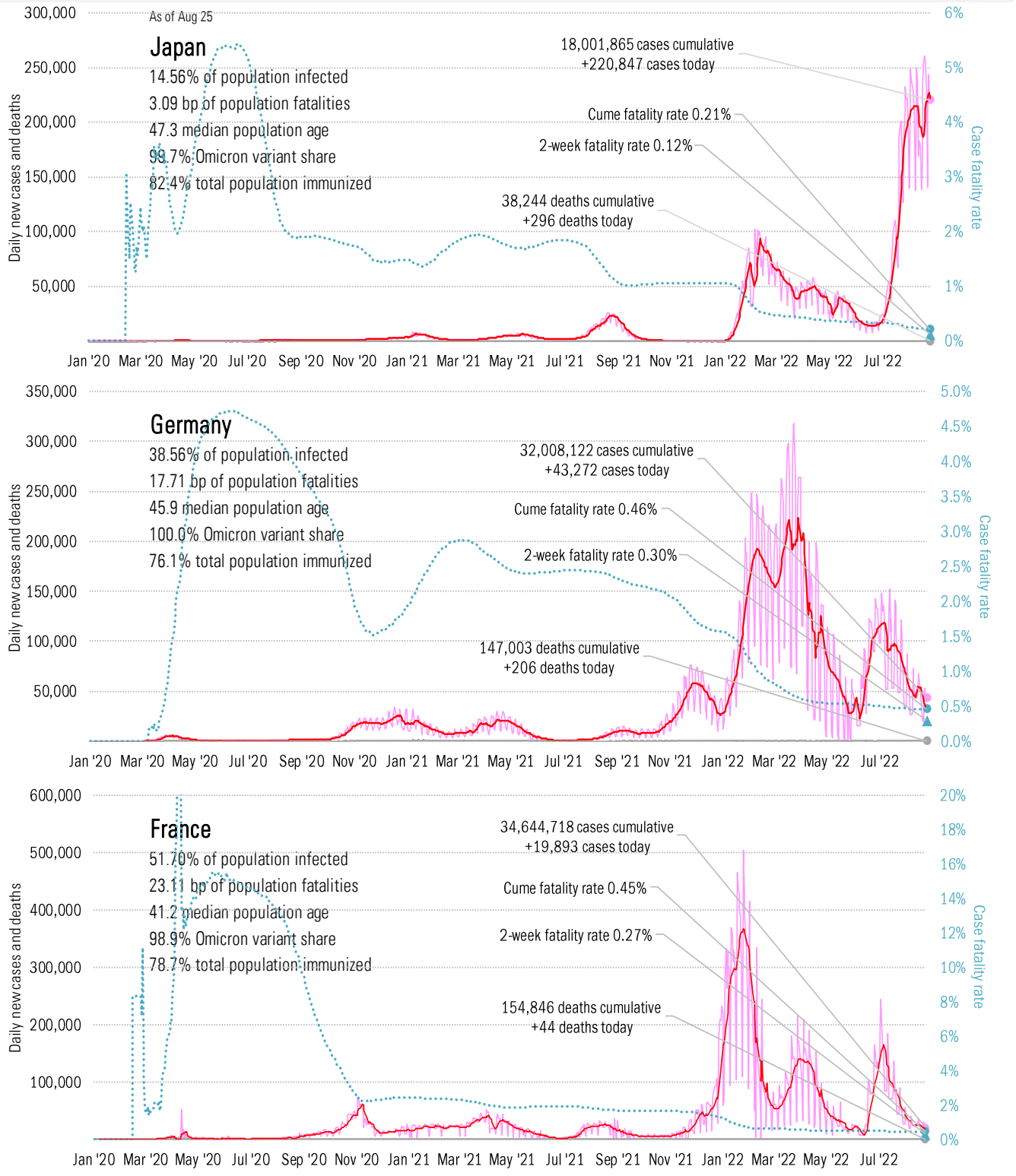
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

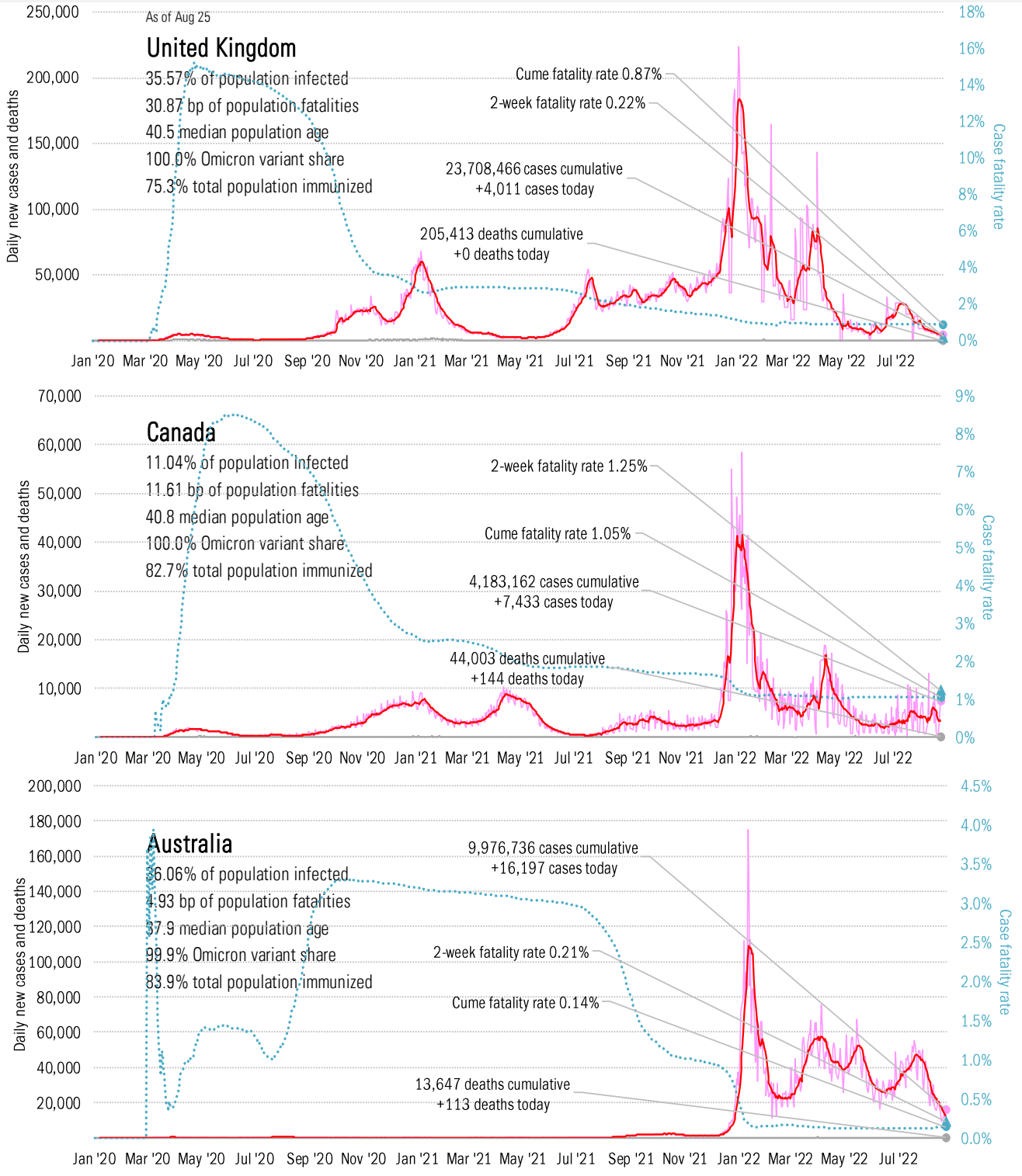
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

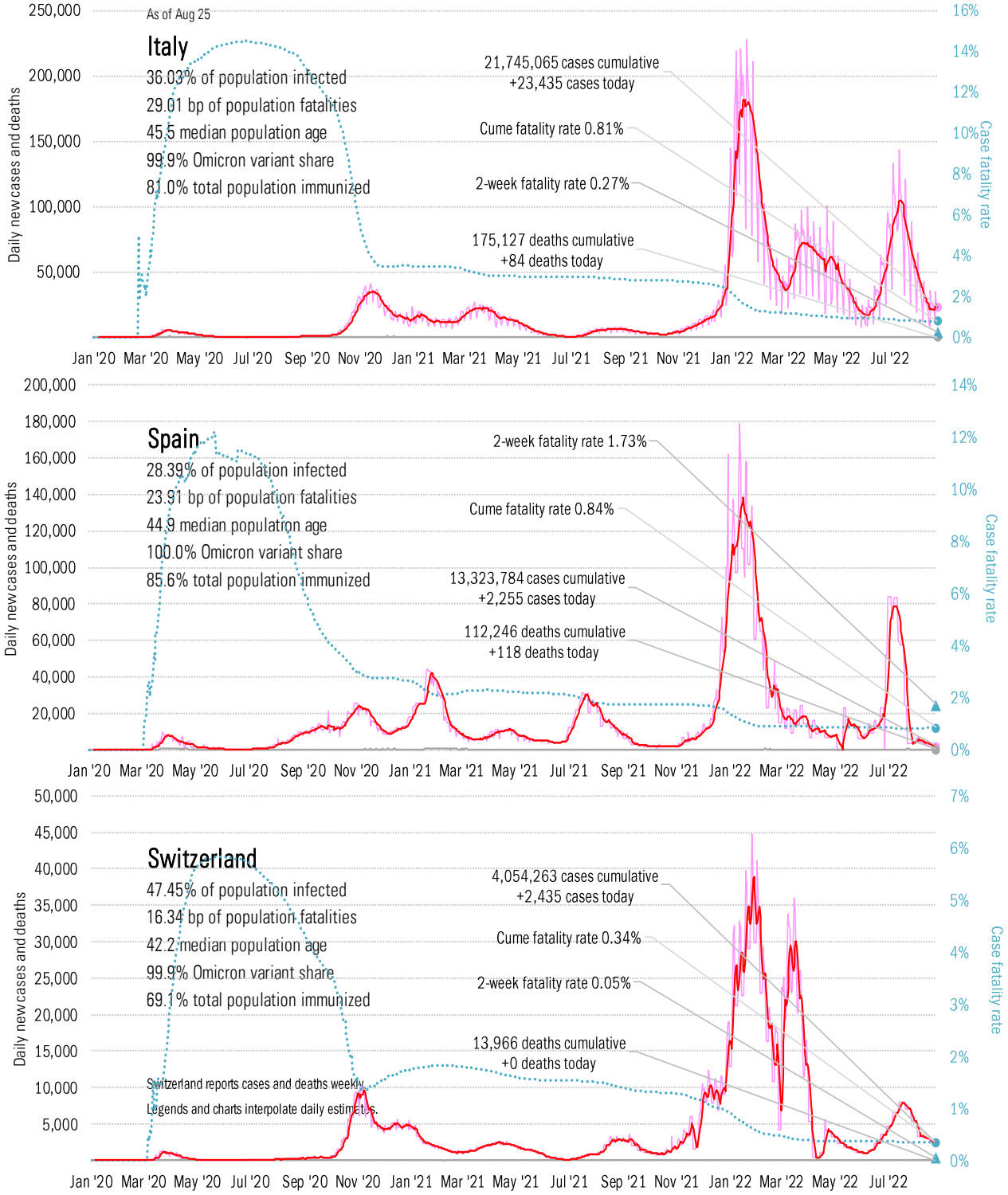
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

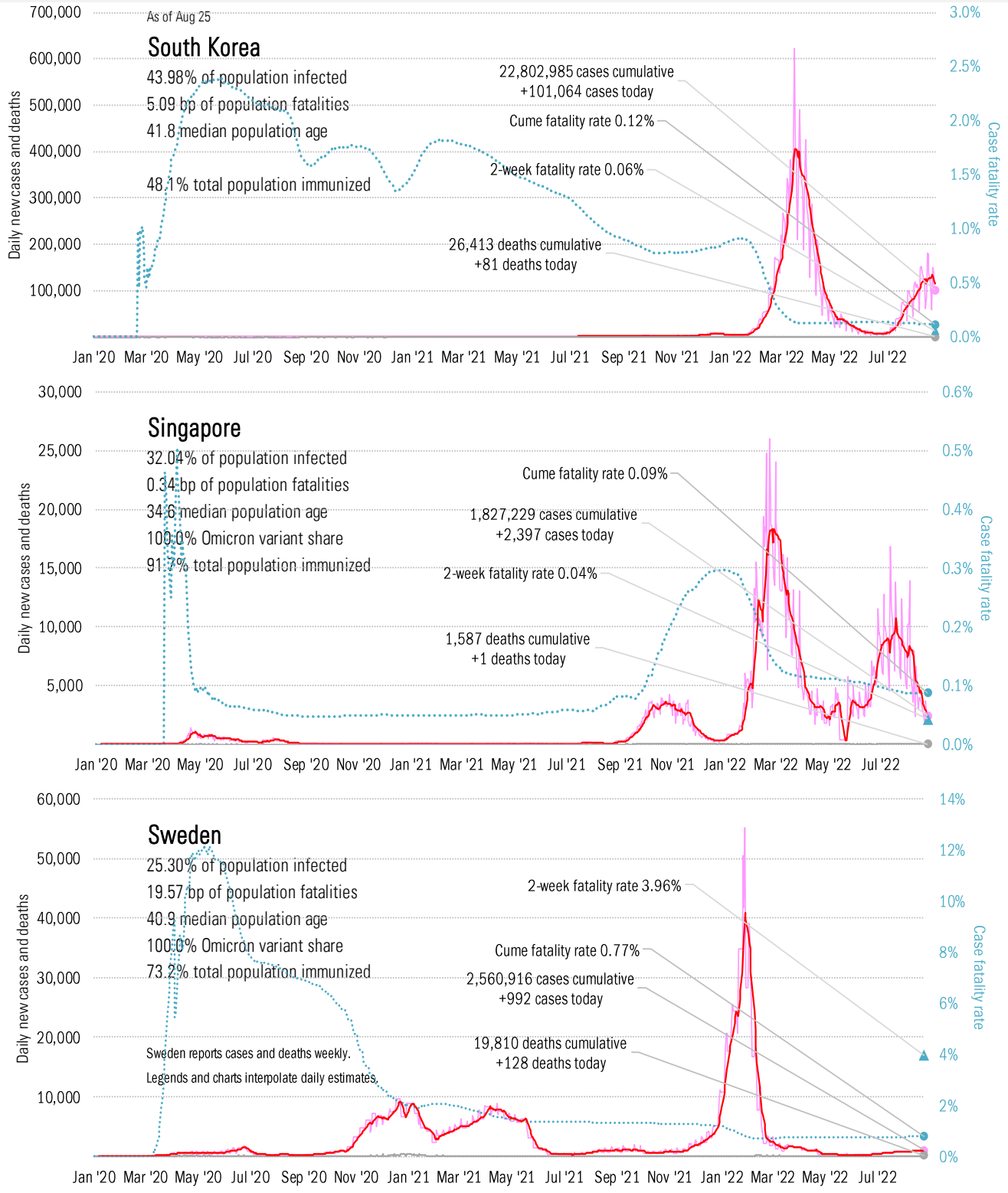
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

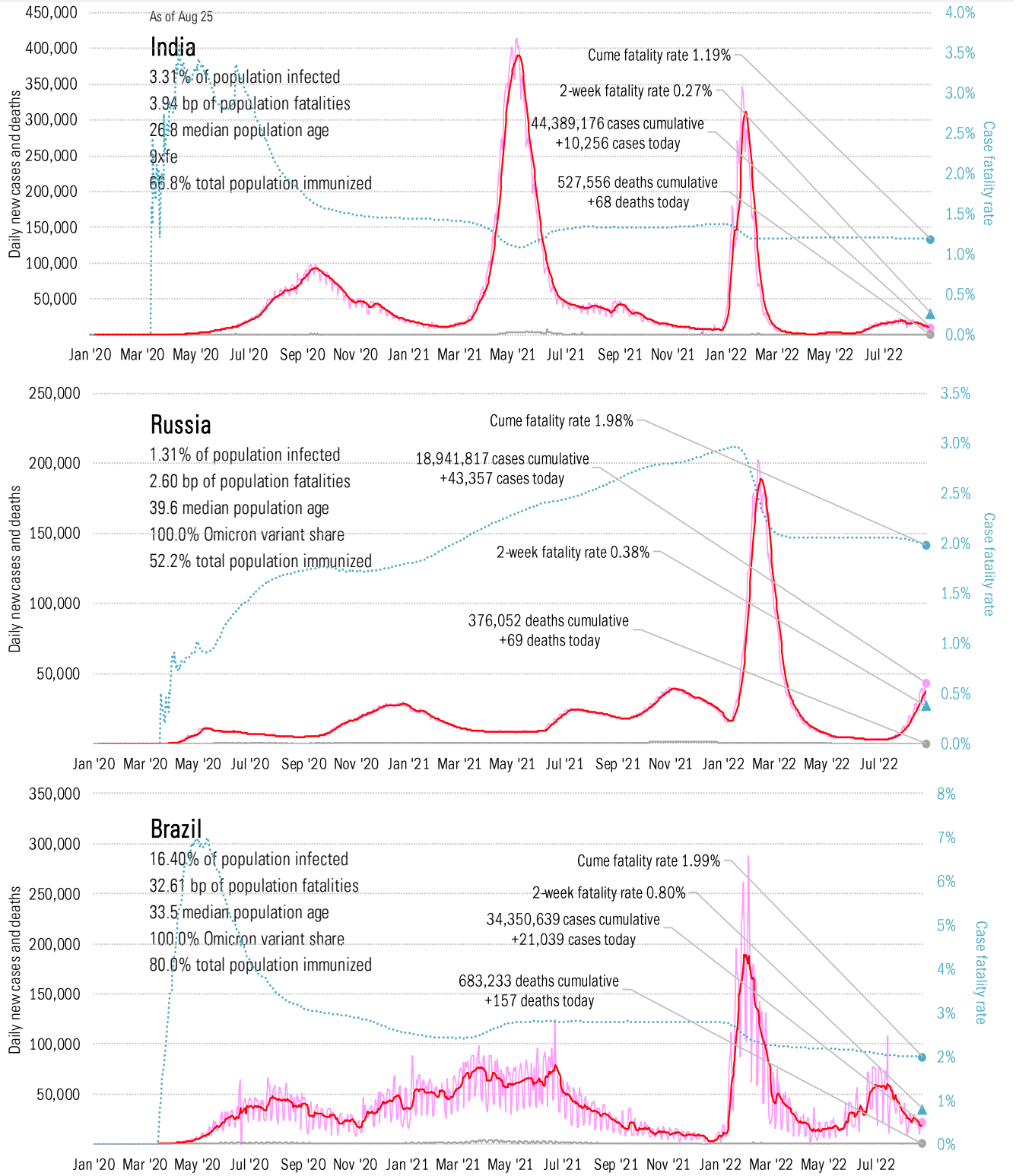
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

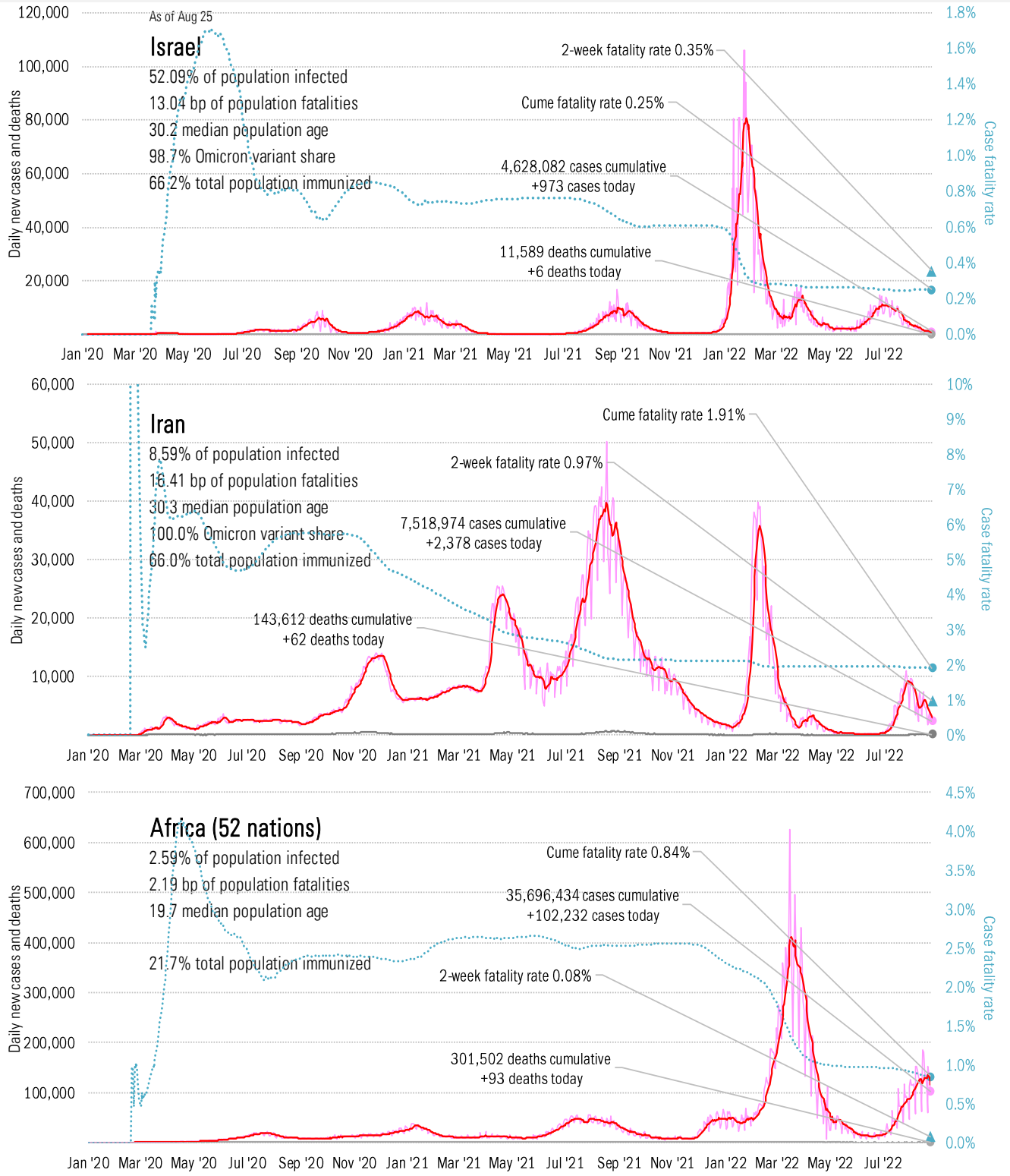
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

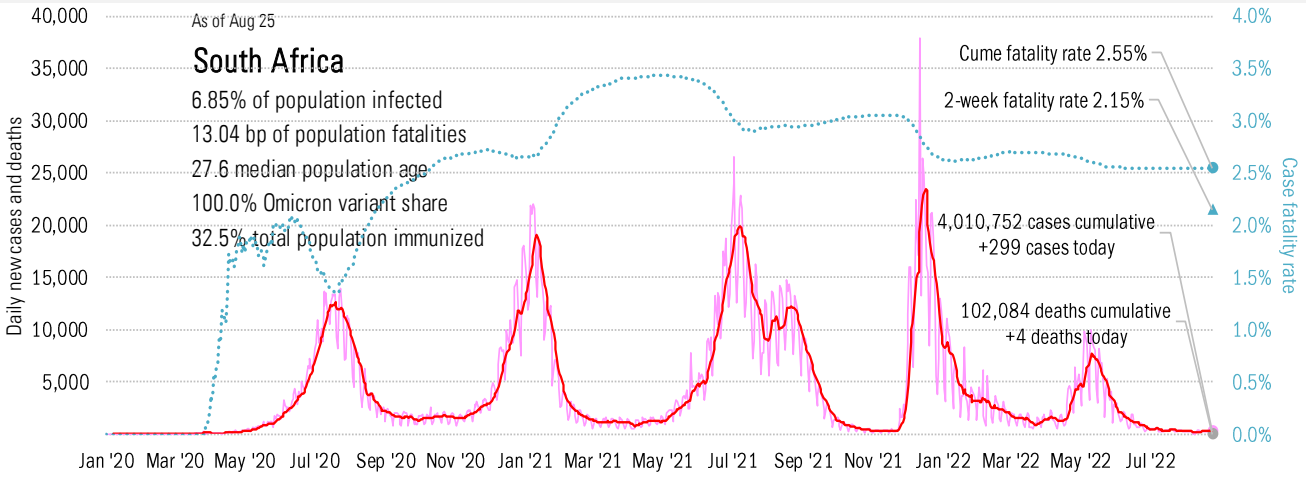
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations