Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

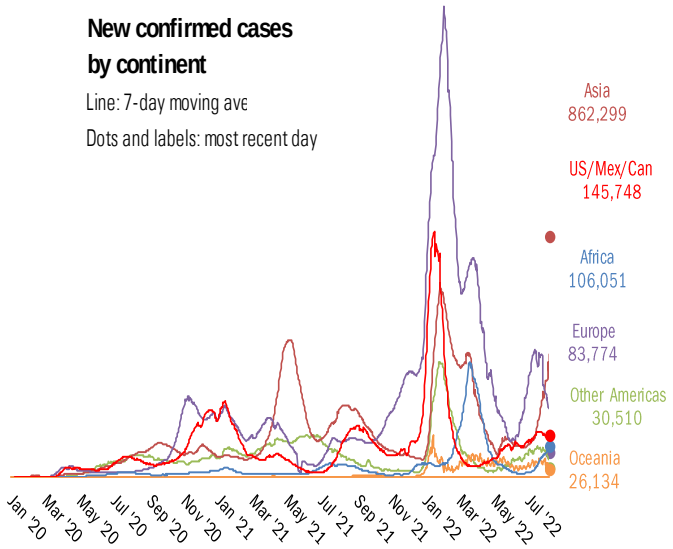
Sunday, August 7, 2022

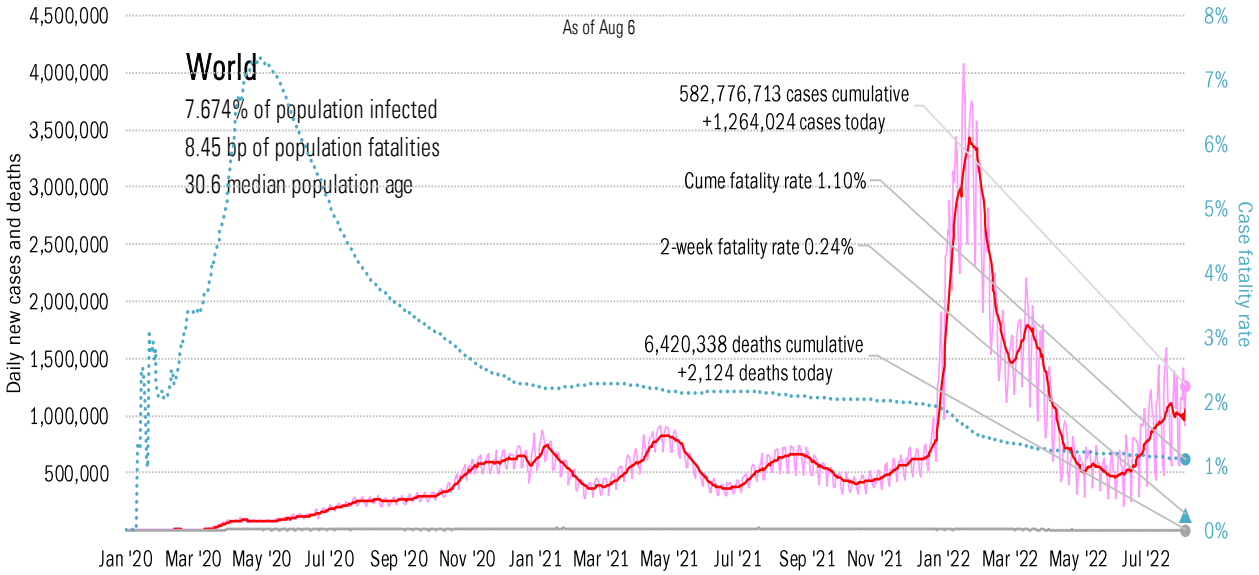
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Turkey	406,322	United States	636
Japan	227,480	Turkey	337
United States	165,702	Brazil	181
Vietnam	154,094	Mexico	178
Korea, South	105,507	Italy	158
Italy	34,997	Japan	152
Mexico	32,434	Iran	61
Australia	22,616	Taiwan*	51
Taiwan*	19,850	Russia	45
Russia	19,695	India	40
	1,188,697		1,839
World	1,264,024	World	2,124
Top ten	94%	Top ten	87%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

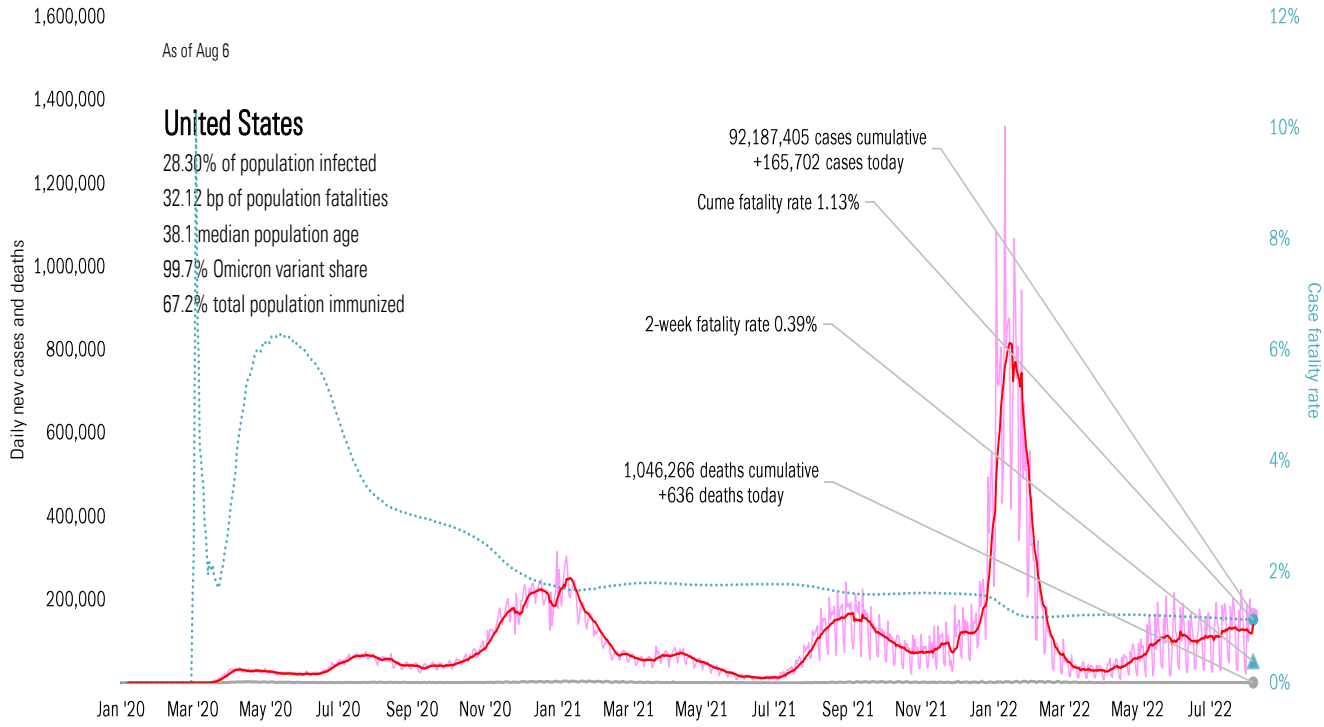
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	36,898	CA	128	TX	634	CA	10,810,291	CA	93,816	TX	525,260	RI	90%	AK	85%
TX	11,999	FL	69	FL	733	TX	7,612,091	TX	89,463	CA	474,987	MA	86%	RI	84%
MA	10,584	MO	60	GA	275	FL	6,848,003	FL	78,003	FL	469,453	MN	84%	TX	83%
MO	9,871	NY	31	PA	223	NY	5,864,341	NY	70,490	NY	283,421	GA	84%	NC	83%
KS	6,618	IN	30	NY	347	IL	3,594,415	PA	46,261	GA	217,342	WA	84%	MA	82%
IL	6,257	VA	30	IL	269	PA	3,105,341	GA	39,173	OH	207,243	MO	83%	OR	80%
IN	5,934	NC	29	TN	133	NC	3,016,395	OH	39,133	PA	193,561	DE	82%	AL	80%
NC	4,752	WA	28	IN	137	OH	2,976,027	IL	38,966	IL	176,577	MD	82%	NH	79%
OK	4,367	OR	19	MI	181	GA	2,778,580	MI	37,534	MI	154,529	WV	82%	NM	79%
WA	4,302	GA	18	OK	103	MI	2,692,485	NJ	34,335	KY	139,655	DC	81%	DC	77%
	101,582		442		3,035		49,297,969		567,174		2,842,028				
All states	165,702		636		6,446	All states	92,187,405		1,046,266		5,157,591	All states	70%		67%
Top ten	61%		69%		47%	Top ten	53%		55%		55%	Median	76%		73%

Some states not reporting

Five most improved US states

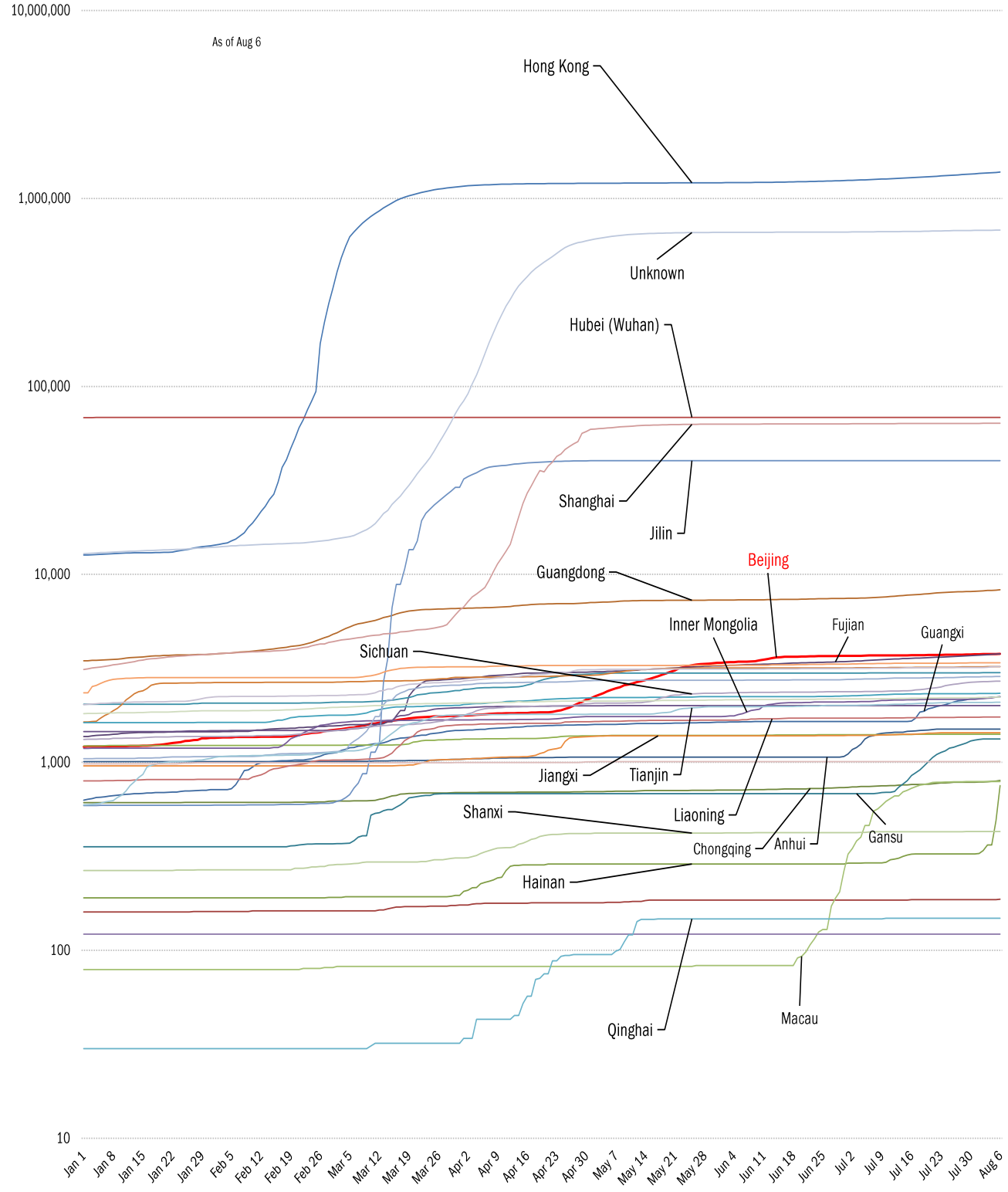
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,397	NM	-9	OR	-36
NJ	-351	CT	-6	NC	-24
AR	-200	ME	-5	IA	-20
ME	-34	AK	0	NE	-20
AK	0	AL	0	CT	-19



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

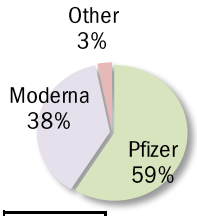
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	619,466,336				+0.084 million
of which boosters	109,565,113				+0.054 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	269,710,457	81%	229,430,100	69%	+0.021 million
Age 12 to 17	18,032,248	71%	15,411,357	61%	+0.003 million
Age 18 to 64	180,358,338	89%	153,011,960	75%	+0.013 million
Age 65 and over	59,584,000	100%	52,121,257	95%	+0.004 million

Immunity	Full	Partial
US	67.2%	78.8%
UK	75.0%	79.8%
France	78.6%	80.9%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
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%

Global data differs due to sources, timing



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

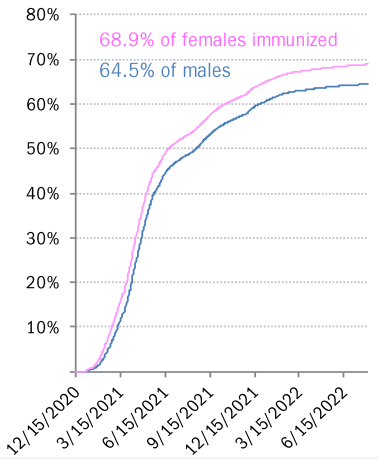
"Immunity" = two doses

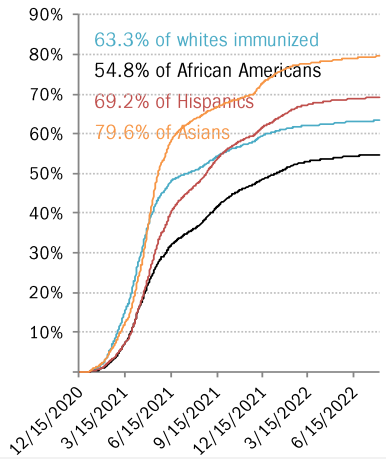
Best
Middle
Worst

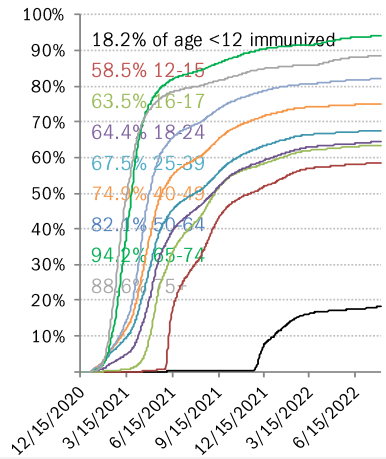
As of Aug 4

AK					WI					ME
71.2%					72.9%					92.8%
63.0%					66.4%					80.9%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
82.4%	62.2%	66.2%	66.7%	76.3%	76.9%	67.7%		91.7%	95.0%	90.2%
73.4%	54.9%	57.6%	56.3%	70.0%	69.3%	60.8%		78.2%	82.4%	72.0%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.0%	76.7%	59.0%	78.6%	68.9%	62.9%	64.2%	87.1%	92.0%	95.0%	
70.5%	61.7%	51.7%	63.2%	62.7%	56.6%	59.1%	70.1%	76.8%	80.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.7%	73.3%	81.0%	71.4%	67.3%	67.2%	66.0%	87.5%	88.4%	95.0%	95.0%
73.2%	65.1%	71.2%	64.4%	57.0%	58.2%	58.4%	74.3%	76.9%	80.5%	84.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	75.0%	89.9%	73.8%	67.9%	63.1%	86.7%	69.0%	95.0%	84.9%	
	62.8%	72.4%	63.0%	55.3%	55.2%	63.1%	58.0%	77.7%	70.5%	
			OK	LA	MS	AL	GA			
			72.4%	61.8%	60.6%	63.7%	66.5%			
			58.3%	54.1%	52.7%	51.9%	55.7%			
HI			TX					FL		PR
89.2%			73.9%					80.6%		95.0%
79.4%			61.4%					67.9%		83.8%

The demographics of US vaccination



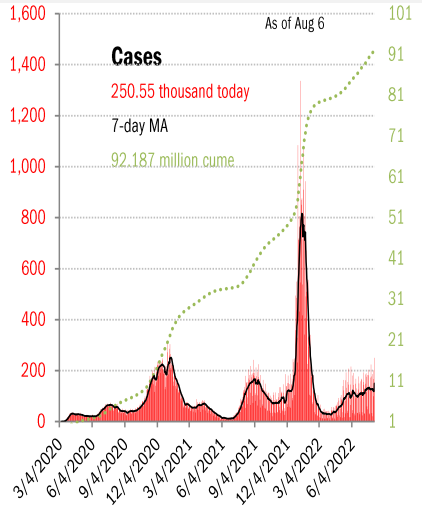


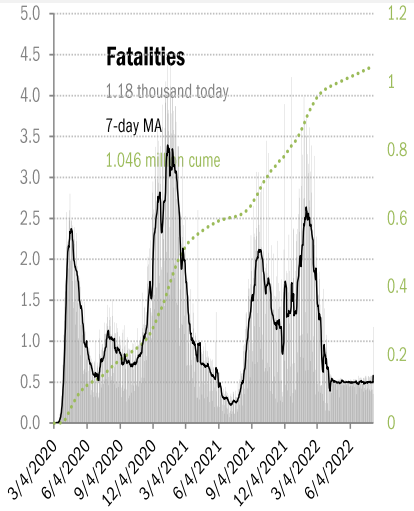


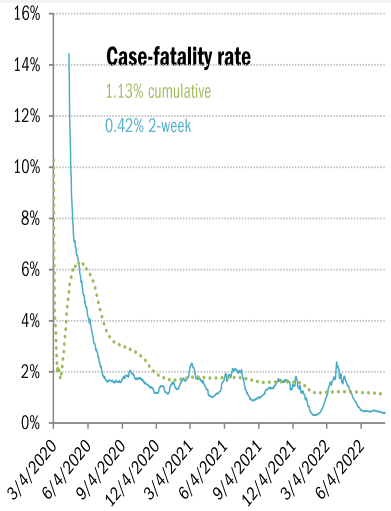
Source: CDC, CDC, Our World in Data, TrendMacro calculations

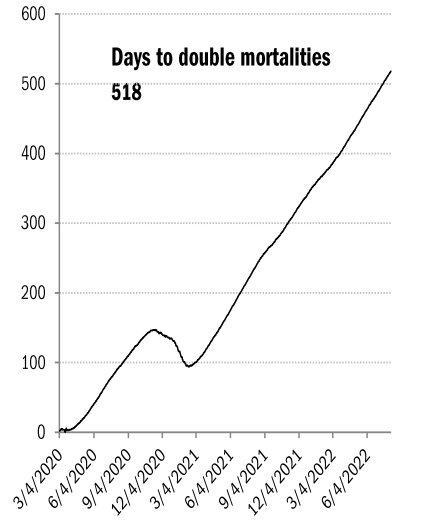
US deep-dive

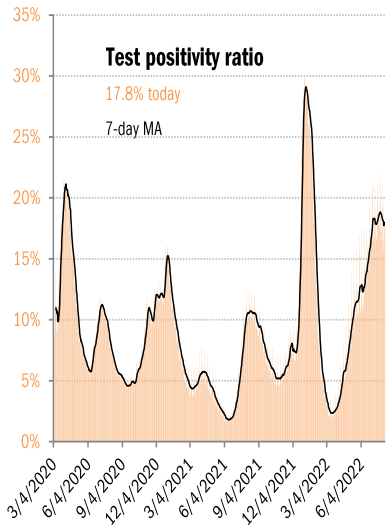
National and state-by-state data do not line up because of different sources

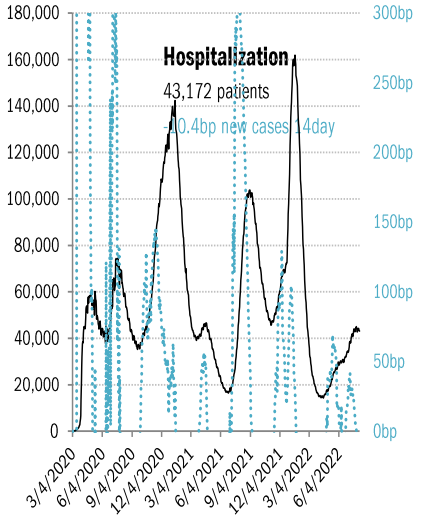


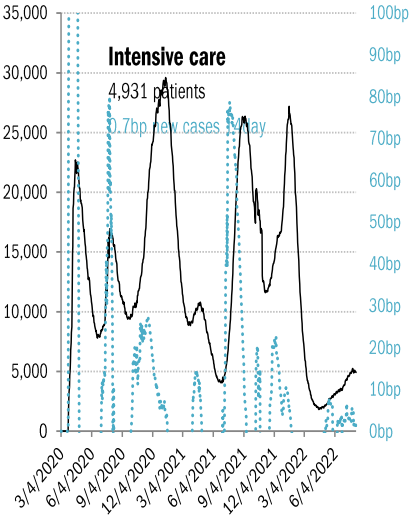


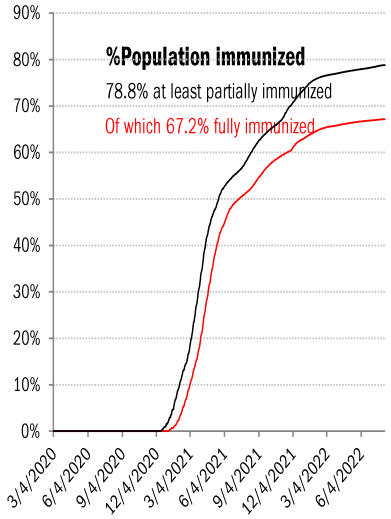








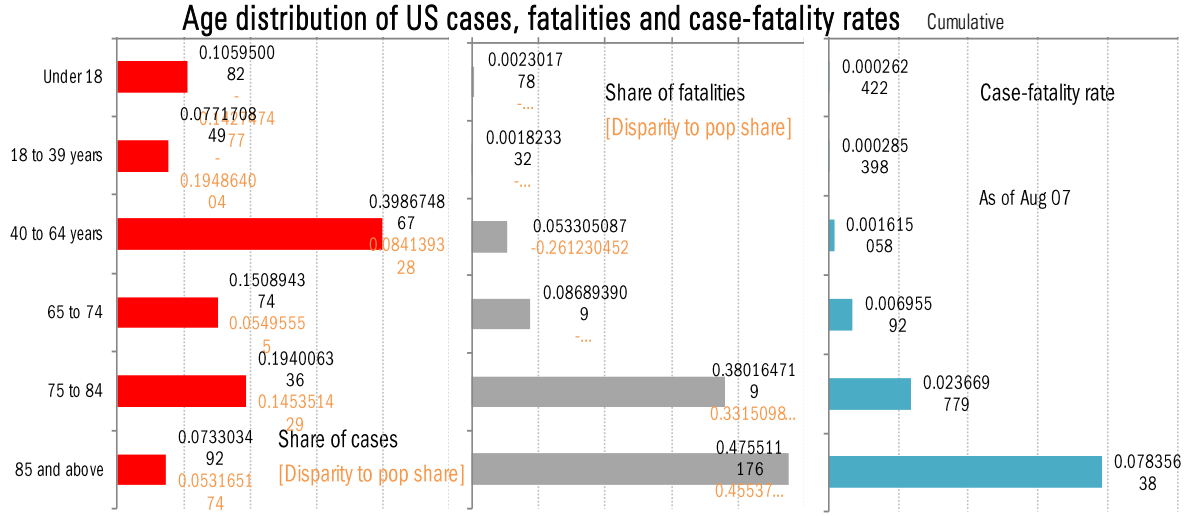


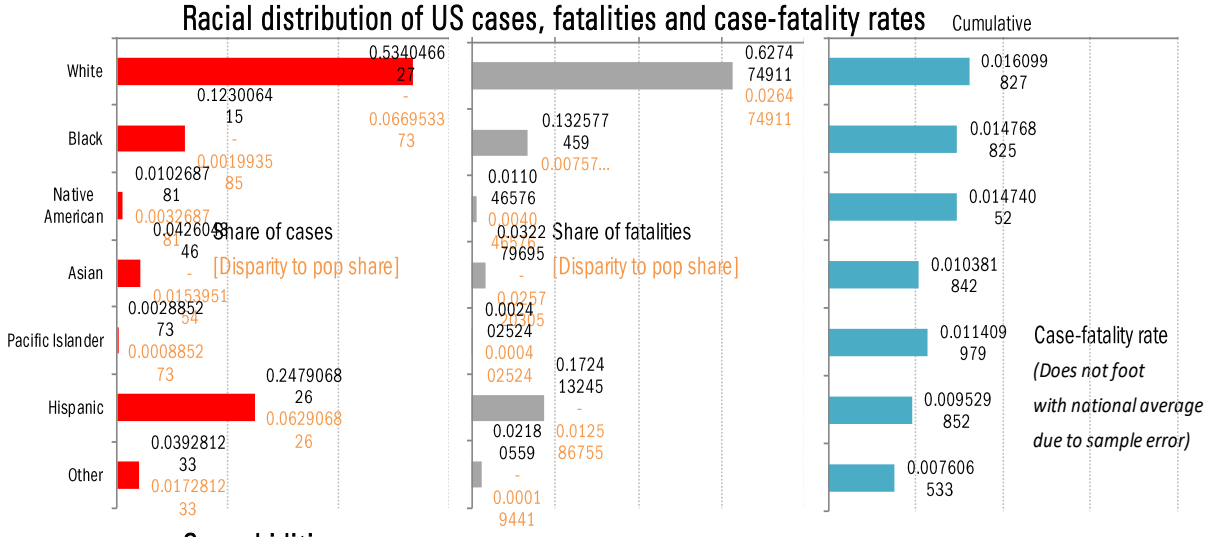


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

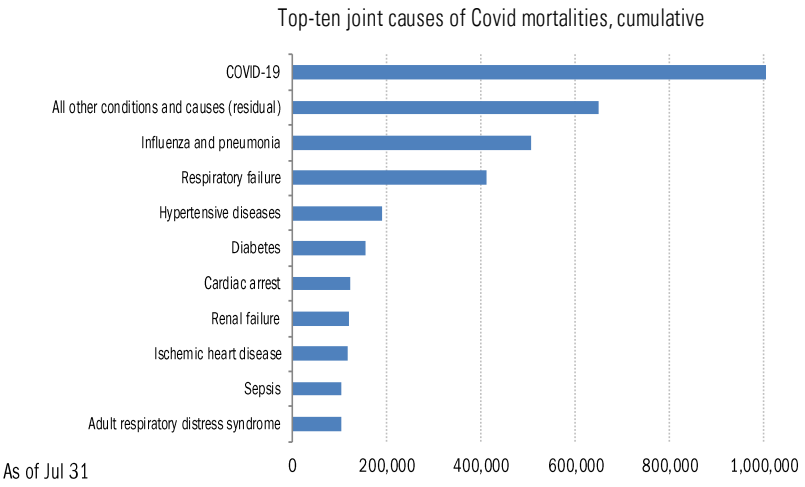
US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag





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

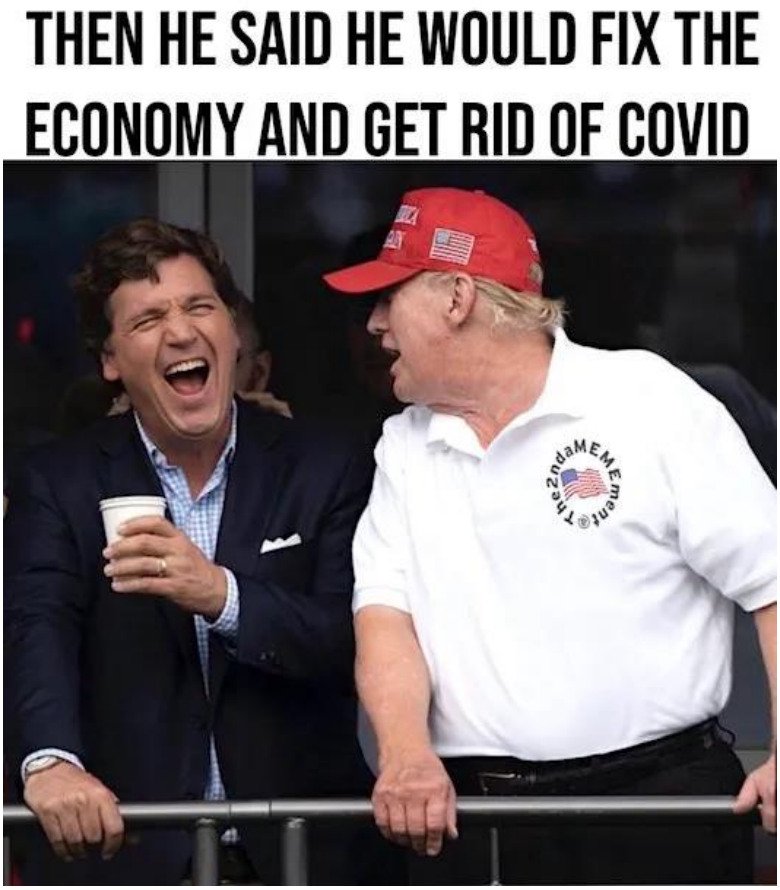
Recommended reading

[Why the Chair of the Lancet's COVID-19 Commission Thinks The US Government Is Preventing a Real Investigation Into the Pandemic]
Nathan Robinson
Current Affairs
August 2, 2022

[How Did Deborah Birx Get the Job?]
Debbie Lerman
Brownstone Institute
August 4, 2022

[The Tyranny of Coronaphobia]
Ramesh Thakur
Brownstone Institute
August 5, 2022

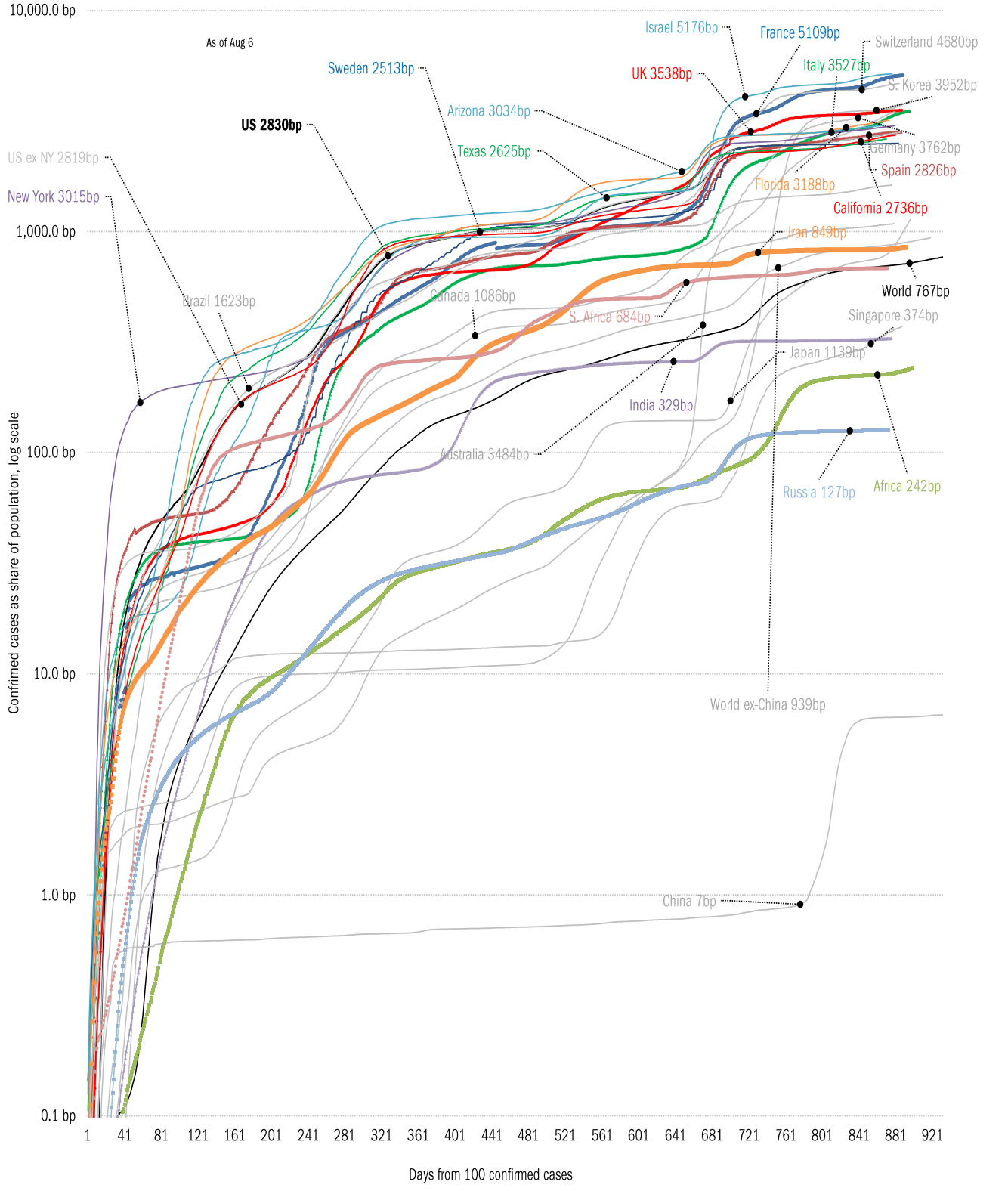
Meme of the day



Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP

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

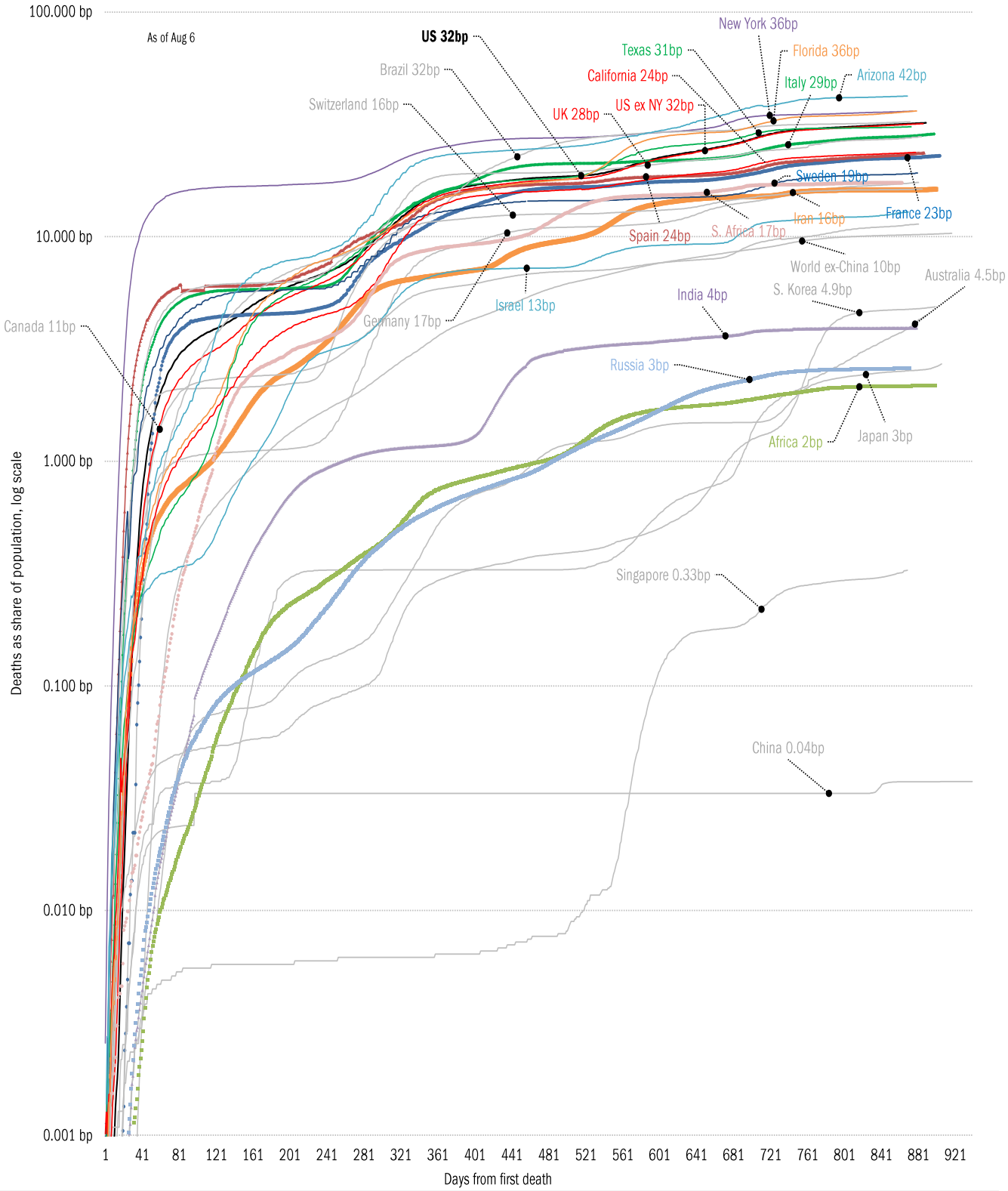
Share of infected population from first day with 100 confirmed cases, log scale



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

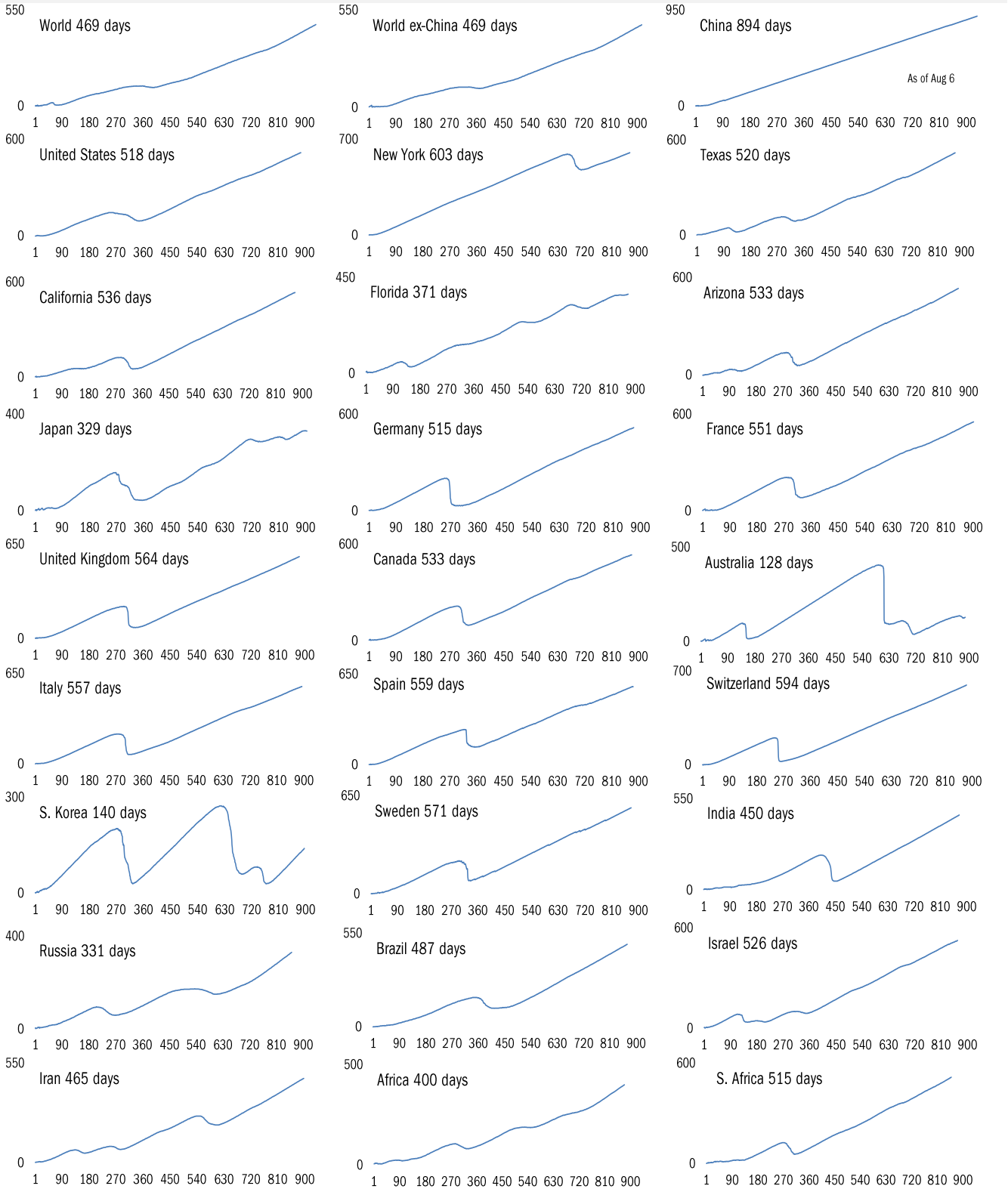


Source: Johns Hopkins, TrendMacro calculations

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

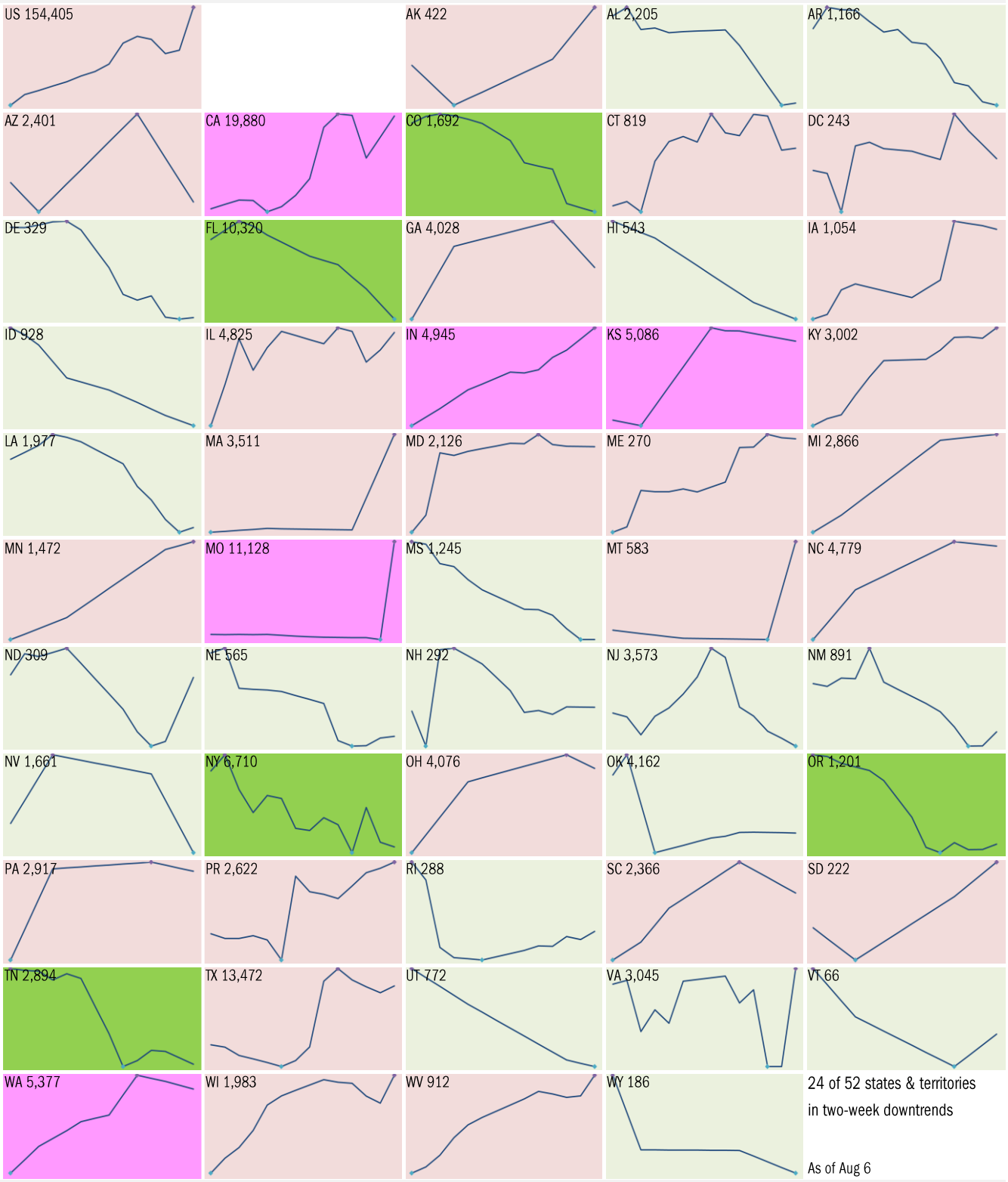


Source: Johns Hopkins, TrendMacro calculations

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

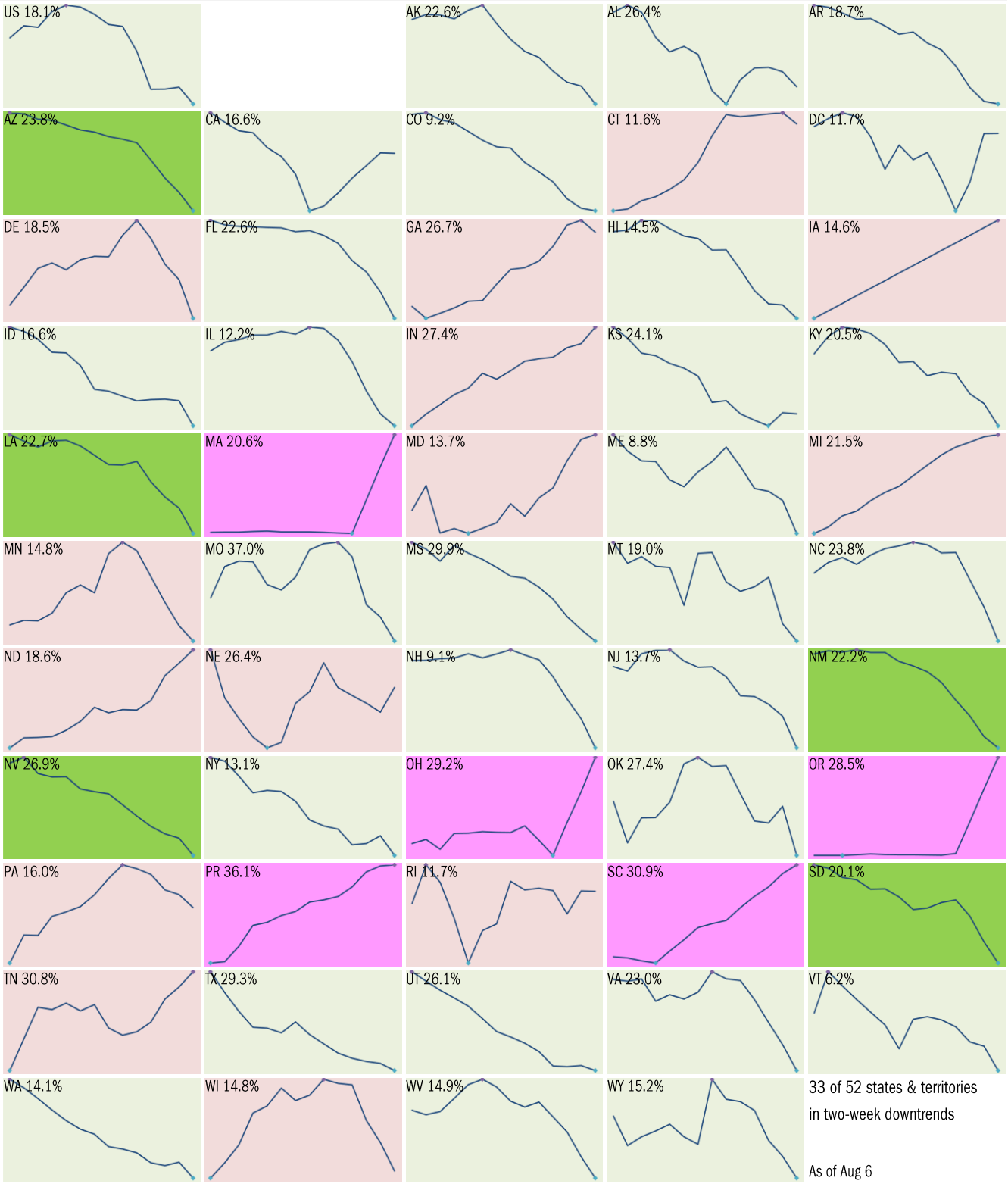


Source: Johns Hopkins, TrendMacro calculations

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

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

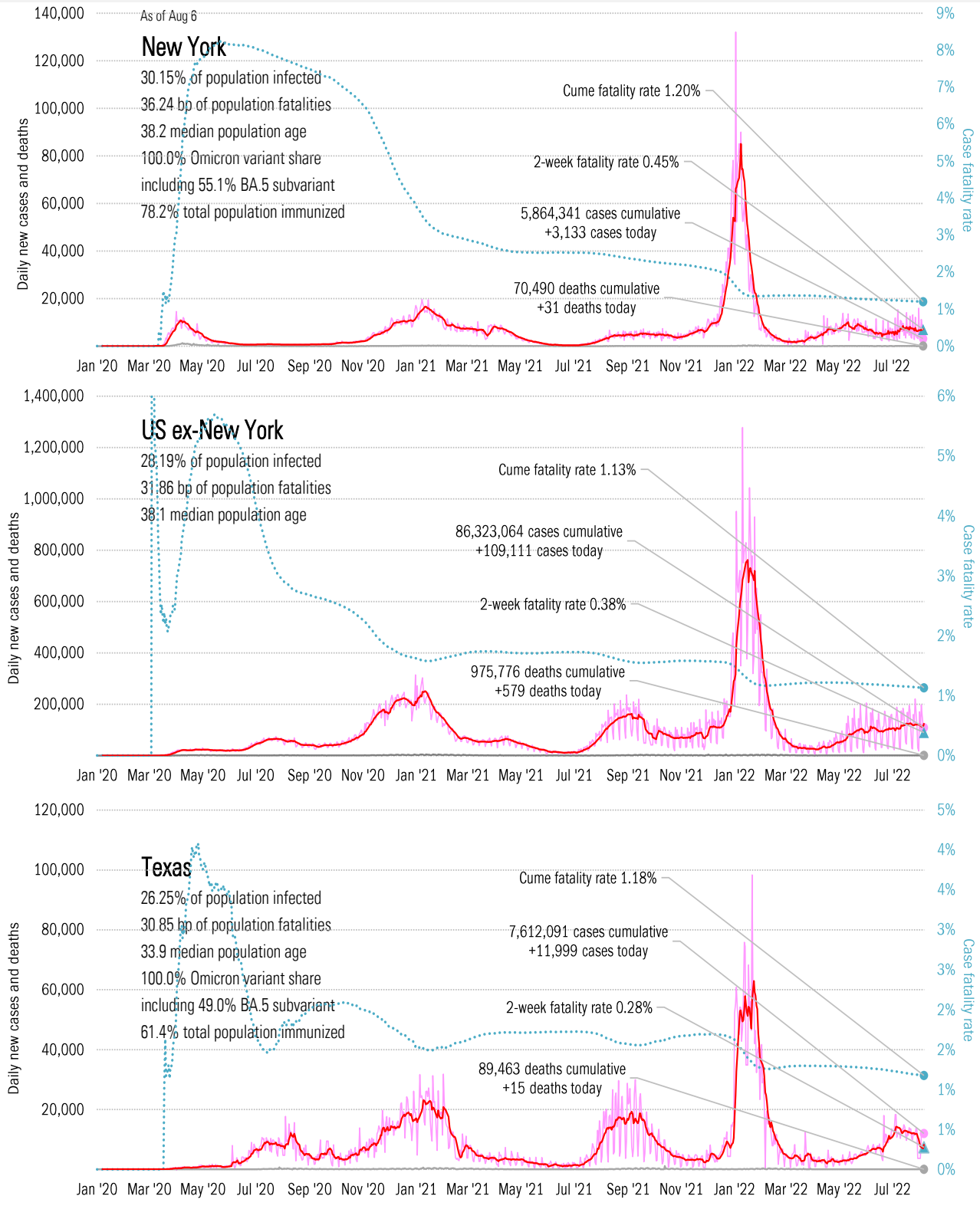
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

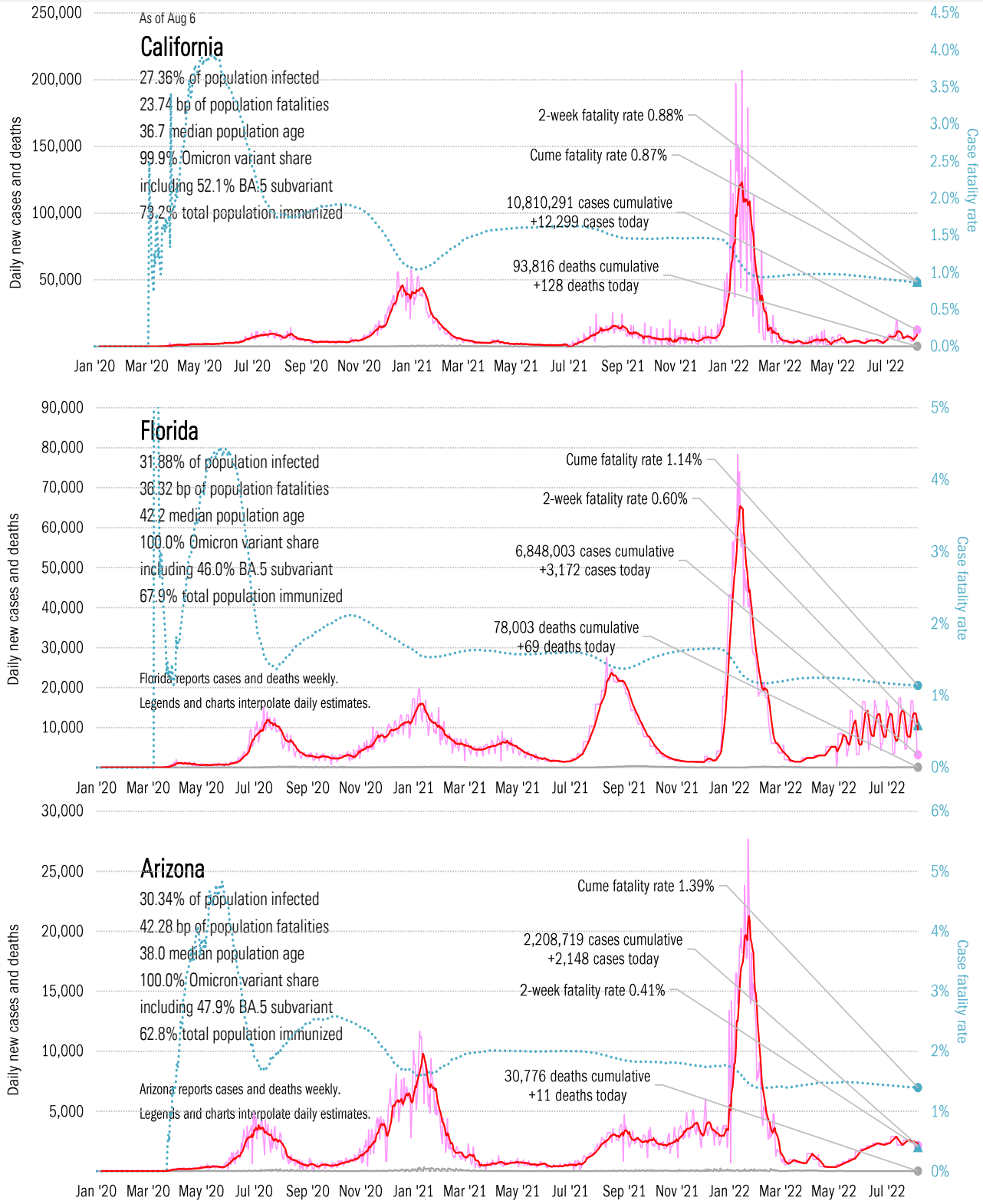
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

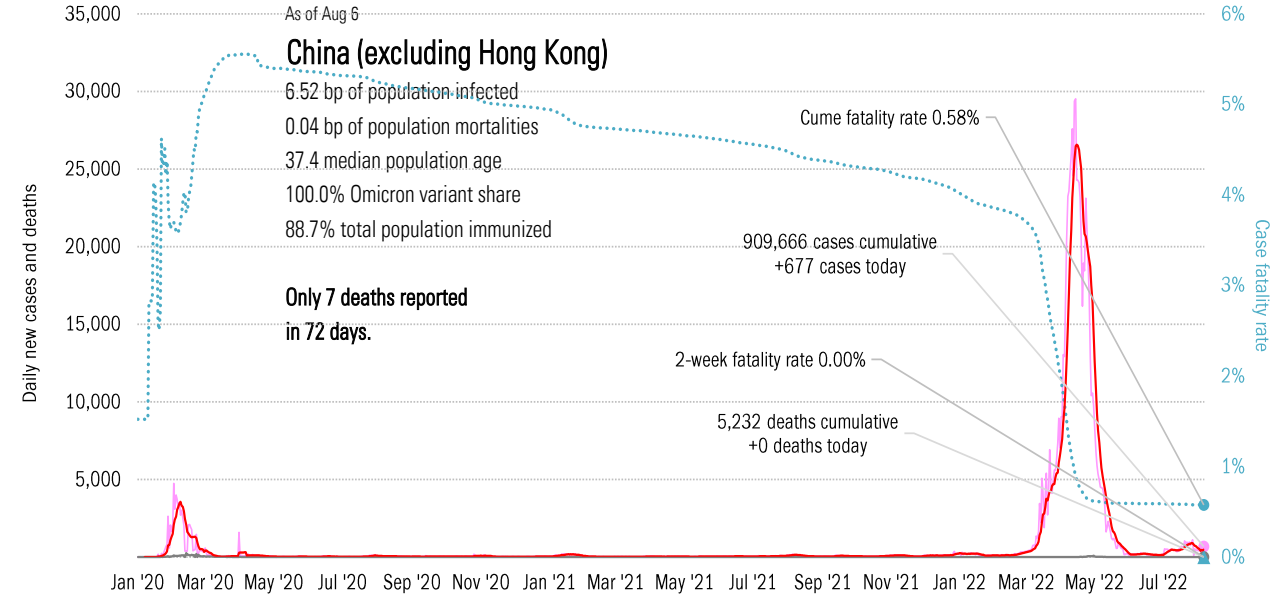
Cases: 7-day average and daily Deaths: Daily

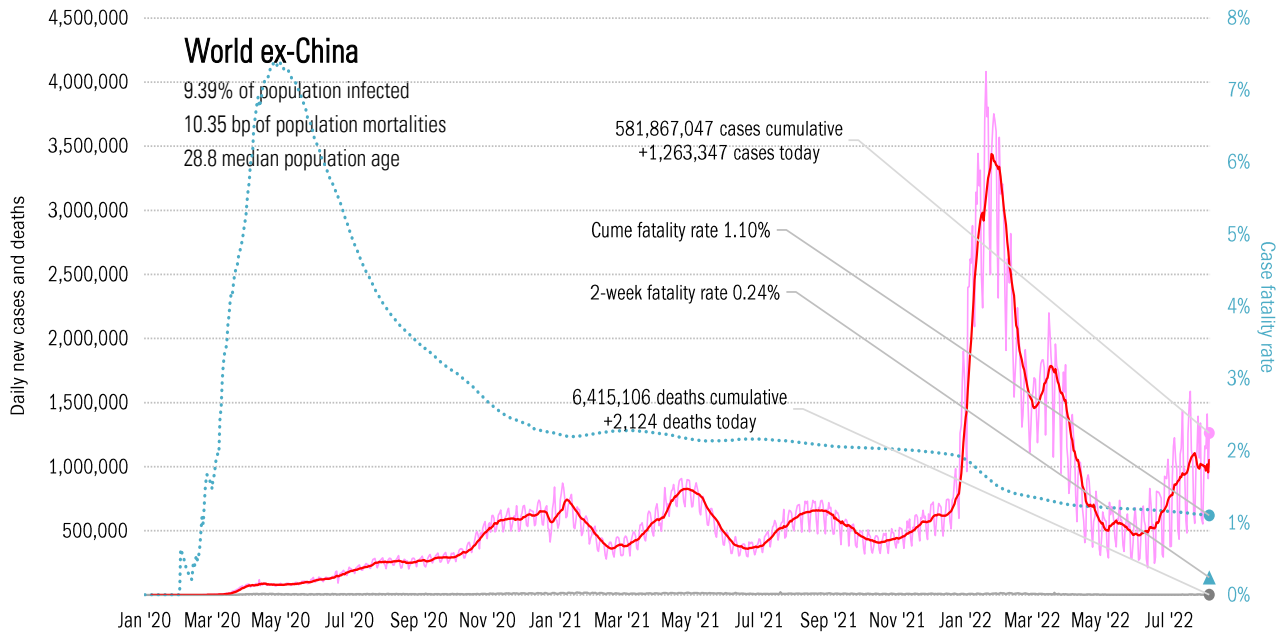


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

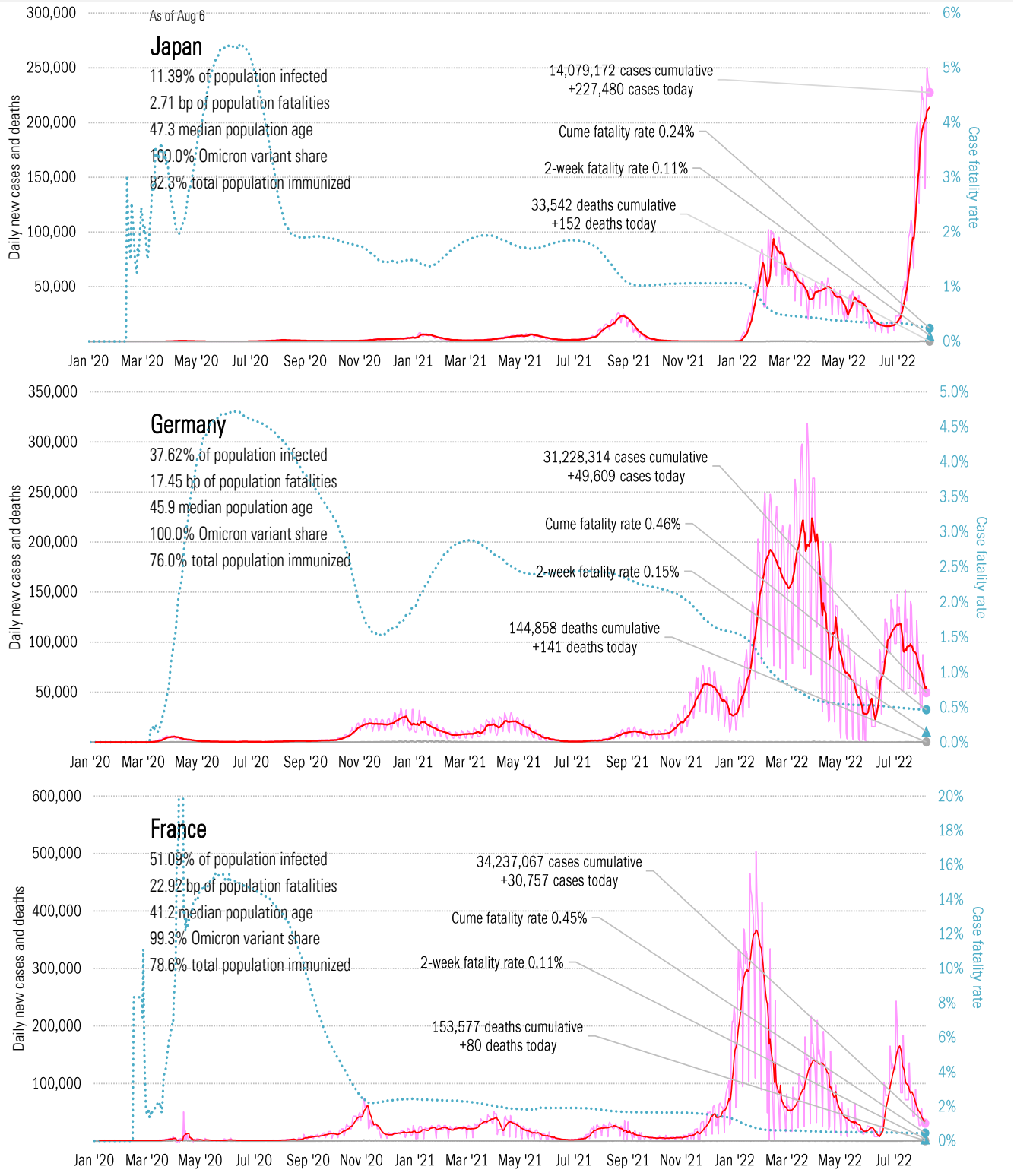




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

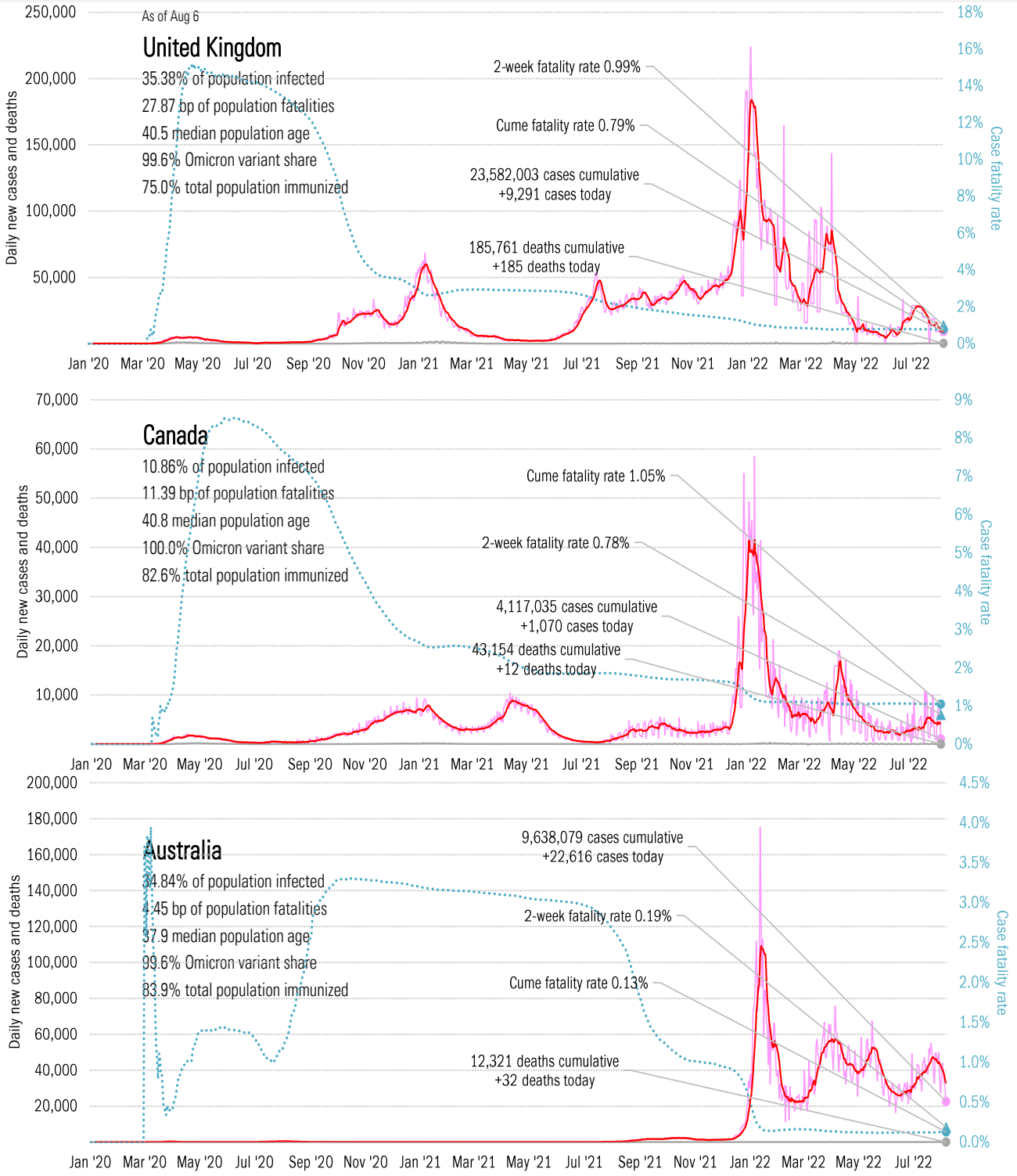
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

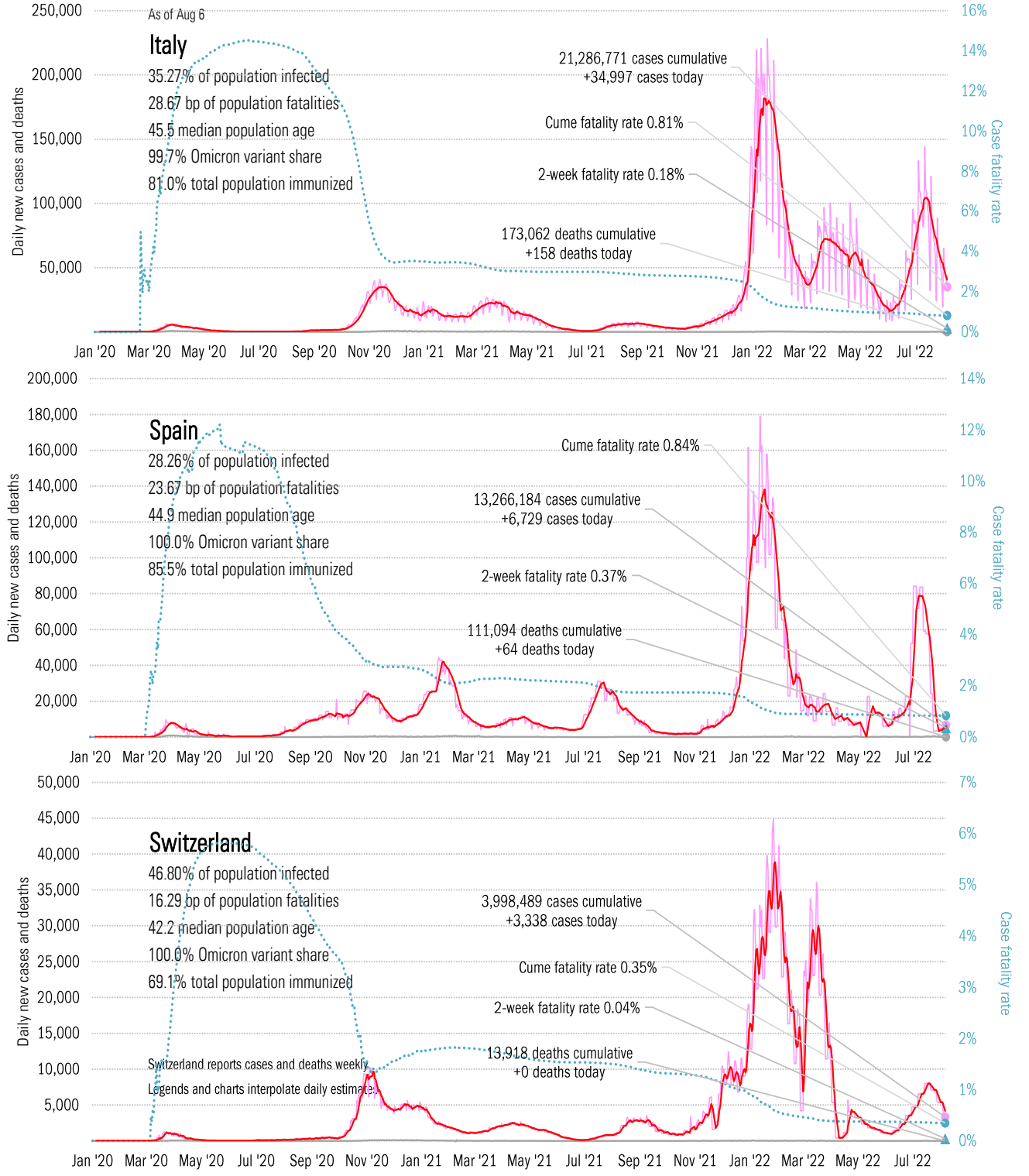
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

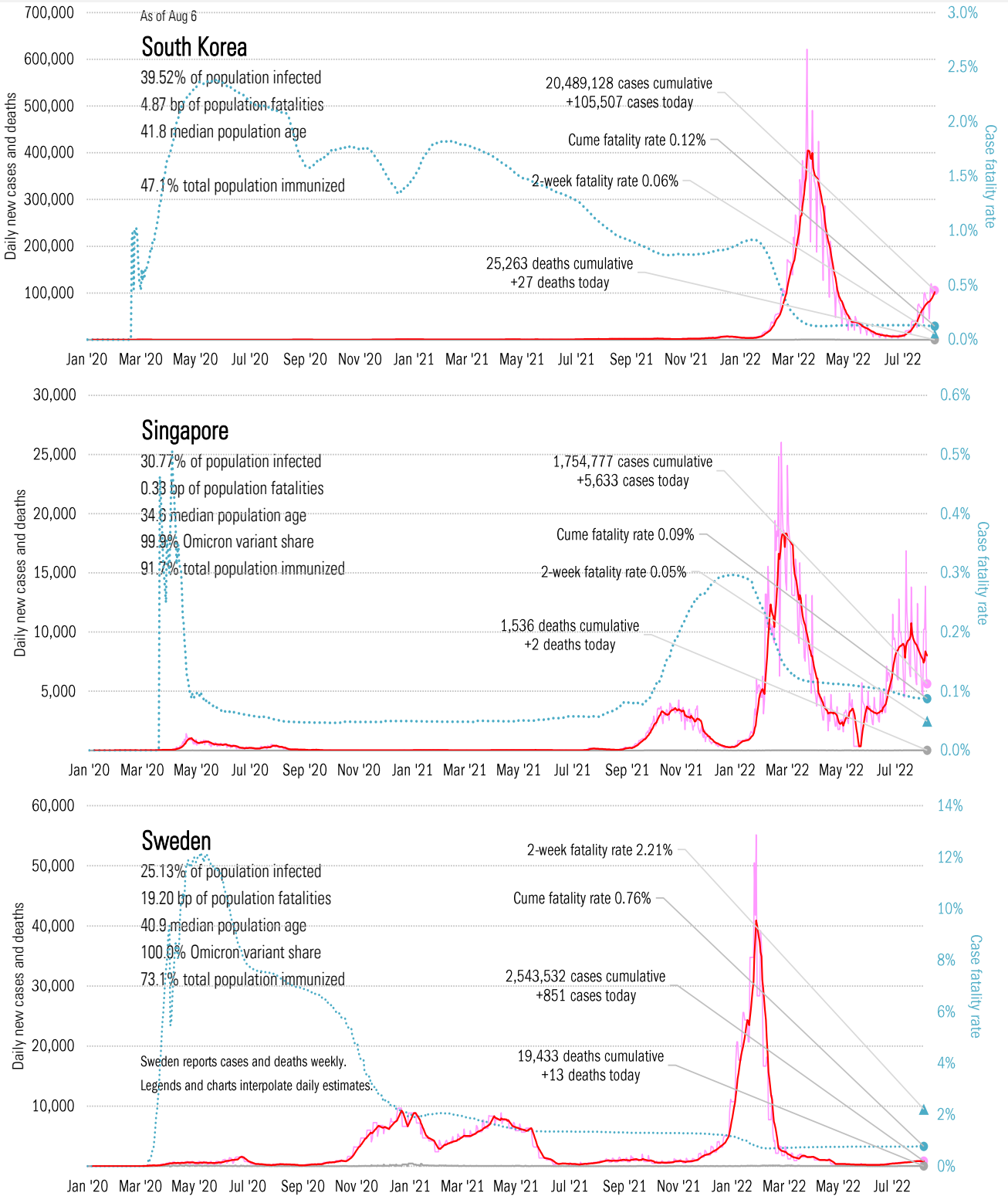
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

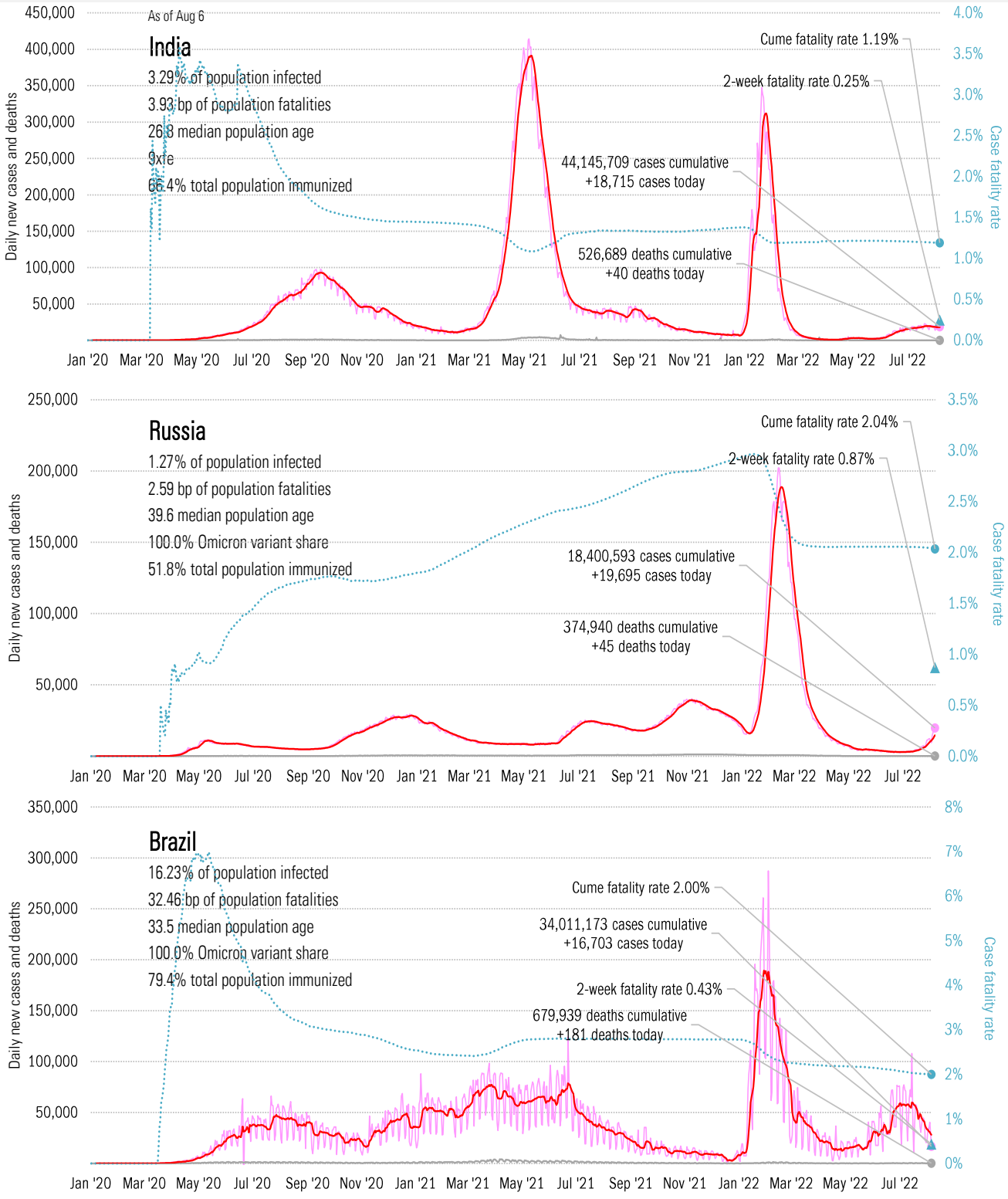
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

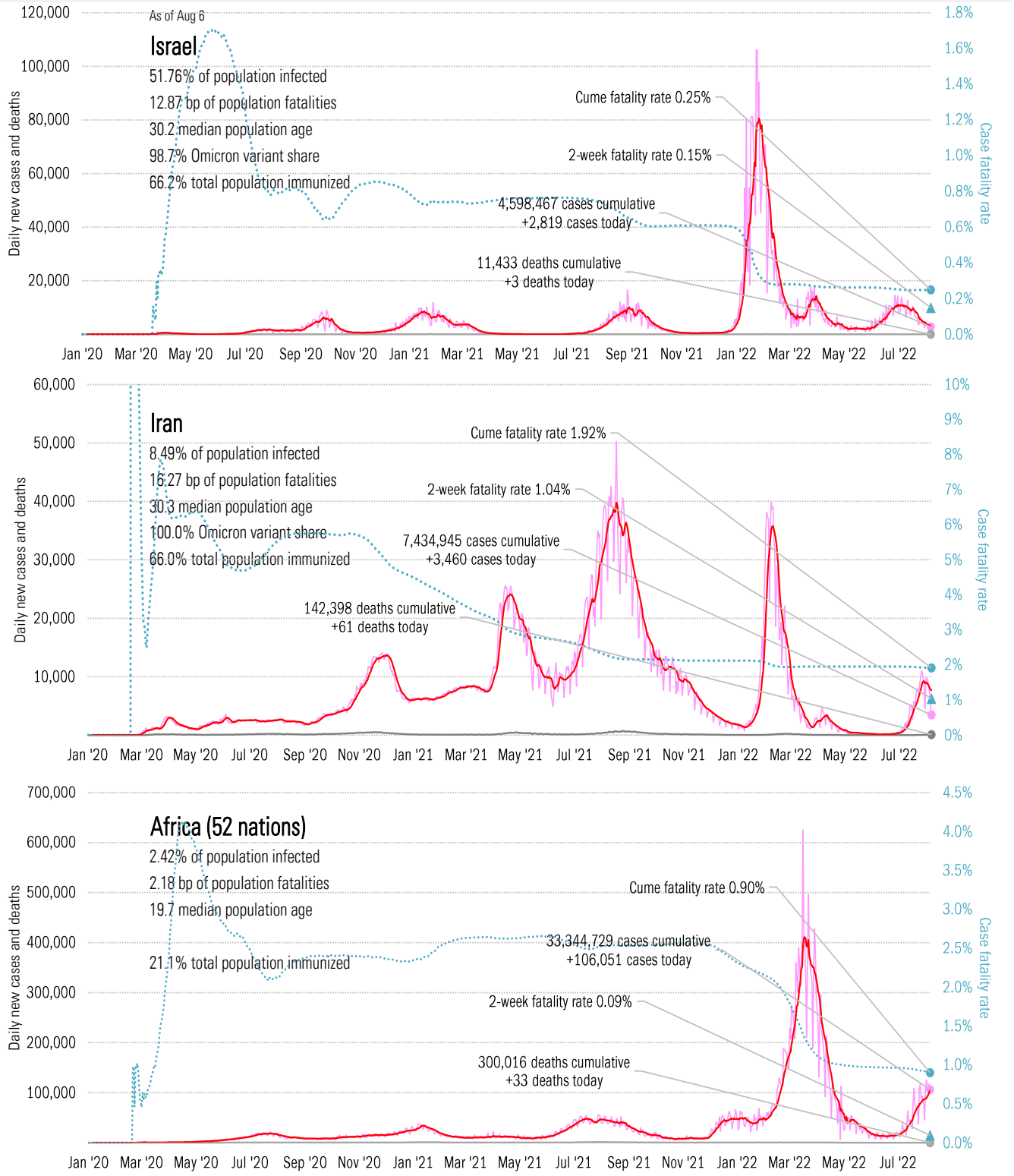
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

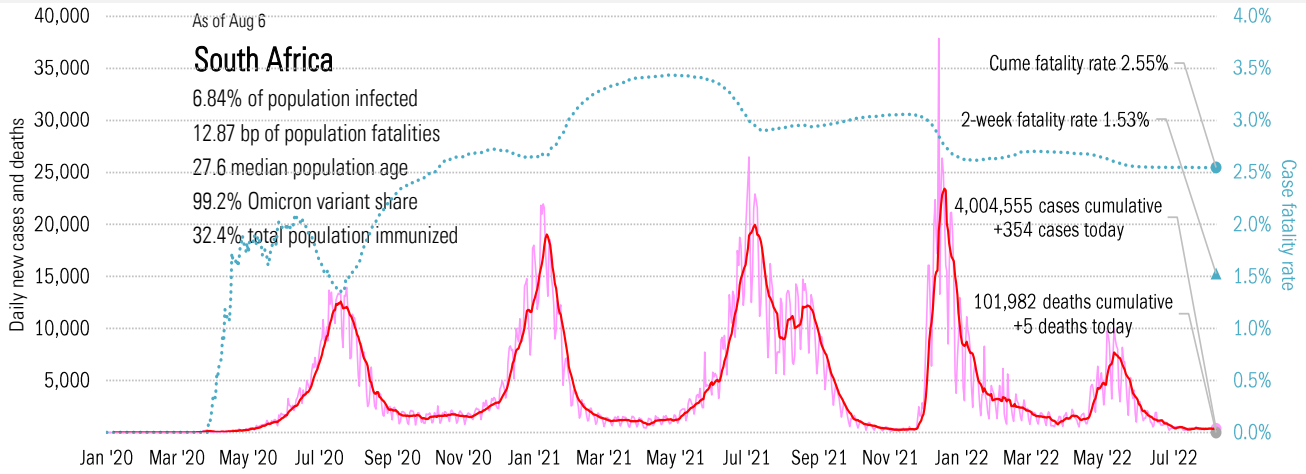
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations