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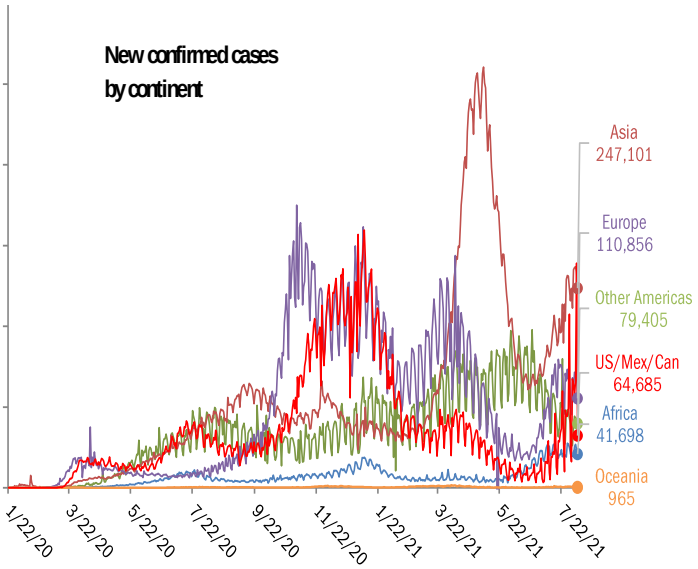
Data Insights: Covid-2019 Monitor

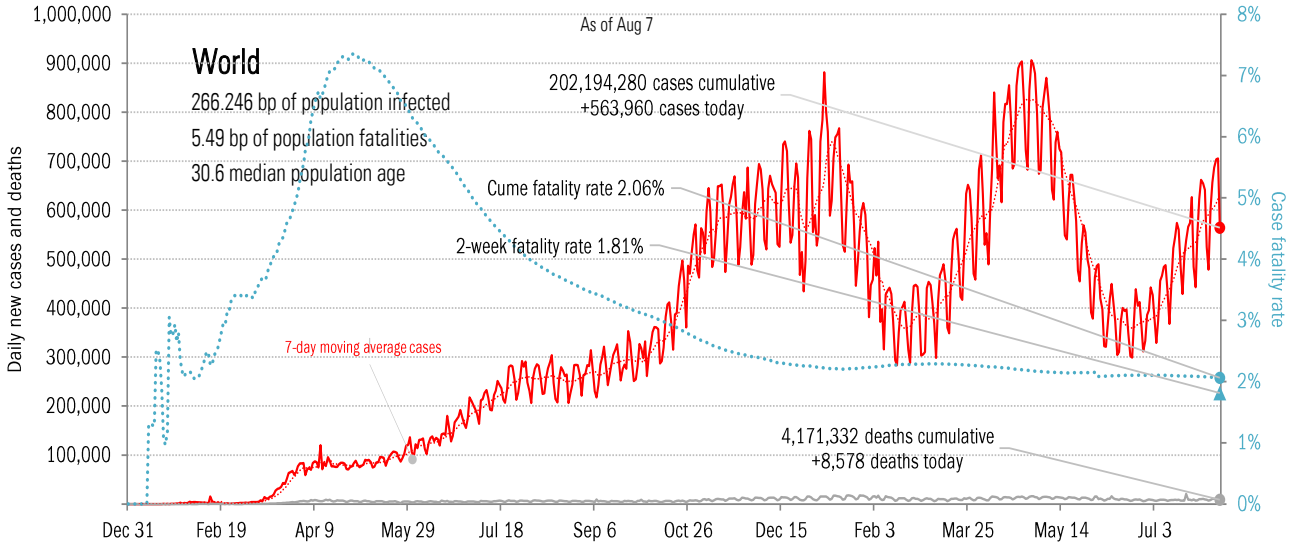
Sunday, August 8, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+63,332	Indonesia	+1,588
Brazil	+43,033	Brazil	+990
India	+39,070	Russia	+769
Indonesia	+31,753	Mexico	+515
United Kingdom	+28,344	India	+491
Iran	+26,439	Iran	+387
France	+25,755	South Africa	+271
Turkey	+25,100	Burma	+264
Thailand	+21,838	Bangladesh	+261
Russia	+21,727	Vietnam	+234
	+326,391		+5,770
World	+563,960	World	+8,578
Top ten	58%	Top ten	67%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

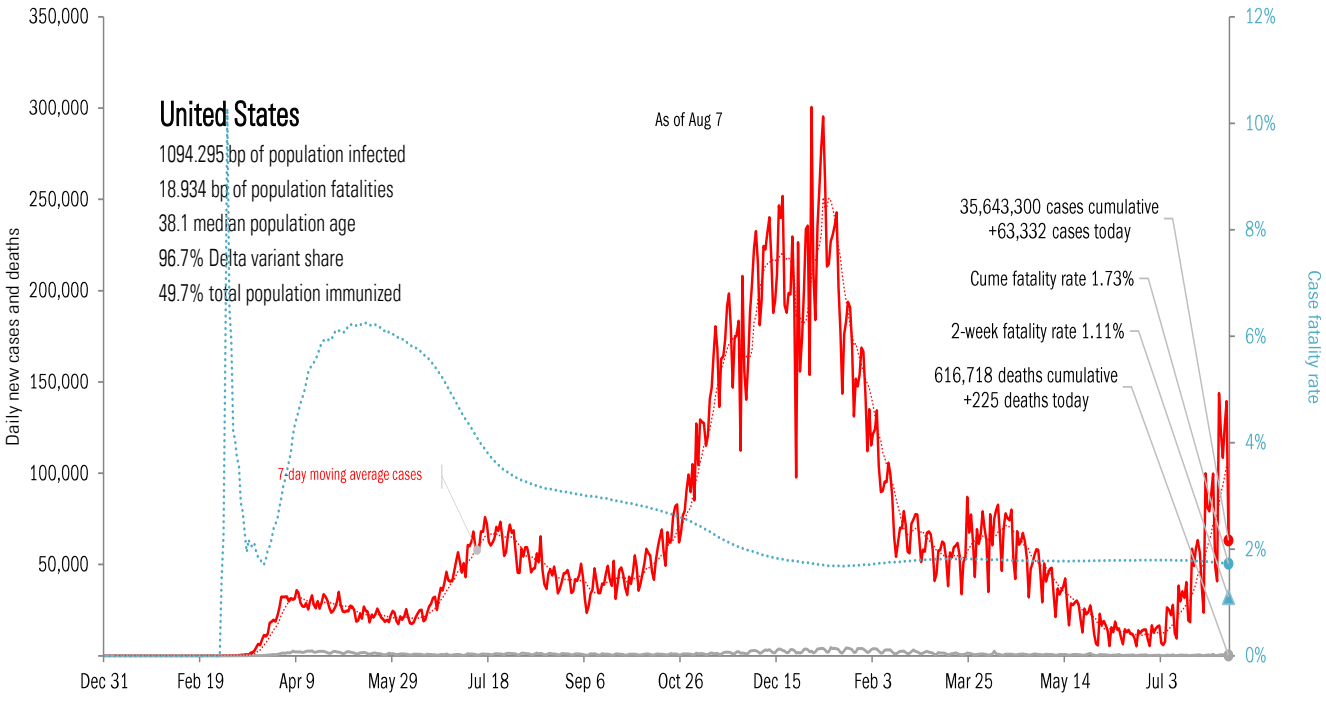
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
FL	+19,250	FL	+124	FL	+441	CA	4,039,837	CA	64,754	TX	280,323	RI	90%	LA	44%
TX	+11,072	TX	+54	TX	+339	TX	3,235,644	NY	53,729	CA	256,280	MA	85%	MS	44%
CA	+8,022	NY	+35	CA	+190	FL	2,672,734	TX	53,661	FL	228,145	MD	84%	FL	43%
NY	+4,491	AZ	+34	GA	+100	NY	2,173,080	FL	39,312	NY	140,135	GA	84%	AR	40%
AL	+3,891	AL	+24	AL	+77	IL	1,436,353	PA	27,900	GA	118,586	FL	84%	MO	36%
MO	+2,664	CA	+23	LA	+75	PA	1,239,996	NJ	26,645	PA	93,867	MO	83%	AL	35%
AZ	+2,653	AR	+21	KY	+72	GA	1,211,439	IL	25,936	OH	91,093	PA	81%	TX	35%
AR	+2,633	MO	+9	NY	+65	OH	1,140,917	GA	21,802	IL	86,471	SC	80%	OK	32%
OH	+2,317	NJ	+9	TN	+61	NC	1,071,137	MI	21,221	KY	83,213	MN	80%	NV	30%
NJ	+1,539	PR	+5	NC	+57	NJ	1,048,053	OH	20,556	MI	74,863	NV	79%	GA	30%
	+58,532		+338		+1,477		19,269,190		355,516		1,452,976				
All states	+63,332		+349		+2160	All states	35,643,300		616,718		2,580,757	All states	70%		67%
Top ten	92%		97%		68%	Top ten	54%		58%		56%	Median	73%		14%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-12,024	LA	-48	MO	-133	MS	+30 bp
LA	-6,116	GA	-35	GA	-71	UT	+30 bp
GA	-6,005	TN	-29	LA	-67	MP	+30 bp
CA	-5,747	NV	-26	SC	-63	DC	+20 bp
MI	-4,514	OH	-26	AR	-47	KY	+20 bp



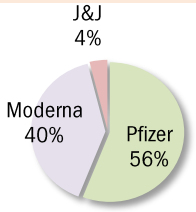
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	360,622,376				+0.853 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	199,166,593	60%	170,519,886	51%	+0.290 million
Age 12 to 17	11,367,068	45%	8,611,230	34%	+0.058 million
Age 18 to 64	136,502,616	67%	116,273,910	57%	+0.198 million
Age 65 and over	51,071,992	93%	45,504,376	83%	+0.033 million

Immunity	Full	Partial
US	49.7%	58.1%
UK	57.8%	69.2%
France	49.4%	65.1%
Spain	60.4%	70.9%
Germany	54.1%	61.9%
Italy	55.0%	65.4%
Australia	17.6%	35.3%
Israel	62.3%	67.1%
Canada	61.6%	72.0%
Japan	32.9%	45.9%
Africa	1.9%	3.8%
India	8.2%	28.6%
Brazil	21.3%	51.1%
China	15.5%	43.2%

Global data differs from sources, timing



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

Best
Middle
Worst

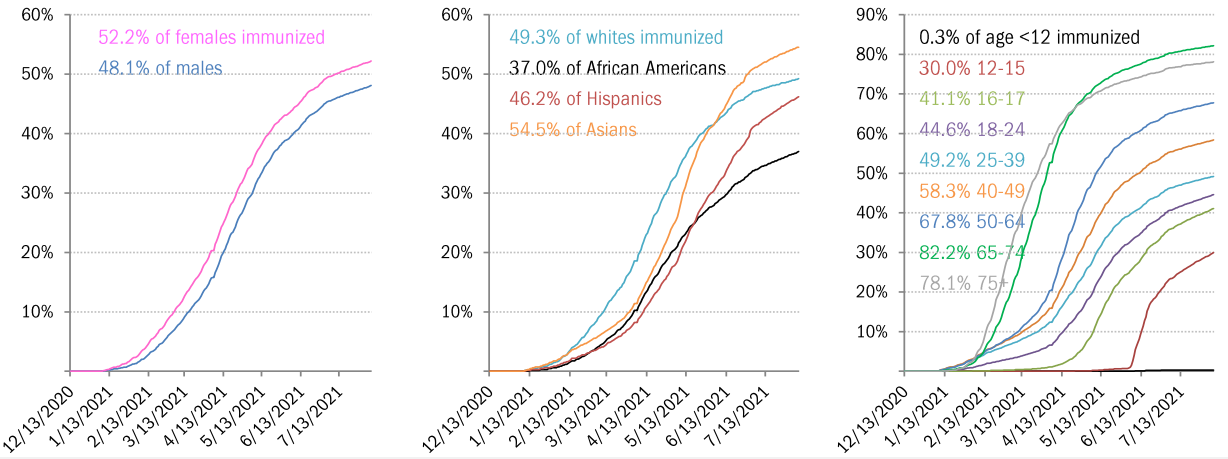
Every American >18 immune in
145 days
by Dec 30, 2021

62.6% of population >18 immunized
12.1% previously tested positive
74.8% vs 60% adult herd immunity*

As of Aug 7

AK					WI					ME
52.1%					56.3%					69.1%
45.9%					52.2%					64.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
64.7%	41.7%	50.1%	46.1%	59.6%	63.2%	53.7%		64.1%	76.0%	65.3%
58.2%	37.7%	44.6%	40.4%	54.2%	49.0%	49.2%		57.7%	67.9%	58.6%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
61.3%	54.8%	42.3%	53.6%	54.0%	47.9%	50.5%	66.4%	66.9%	73.3%	
56.4%	45.0%	37.0%	47.4%	50.0%	44.6%	46.9%	53.0%	59.0%	64.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
65.8%	53.1%	61.0%	54.8%	49.8%	53.4%	46.3%	62.5%	65.6%	70.7%	68.3%
53.5%	45.4%	54.9%	49.9%	42.0%	46.2%	39.2%	55.0%	59.4%	63.8%	62.0%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	53.9%	66.4%	54.3%	48.8%	45.8%	52.2%	47.8%	64.8%	61.5%	
	45.7%	57.7%	45.7%	37.4%	39.5%	44.2%	41.0%	55.5%	53.2%	
			OK	LA	MS	AL	GA			
			49.2%	44.4%	41.6%	45.0%	47.2%			
			40.8%	37.4%	35.1%	34.8%	39.1%			
HI			TX					FL		PR
72.0%			52.9%					59.4%		69.5%
53.9%			44.4%					49.5%		60.5%

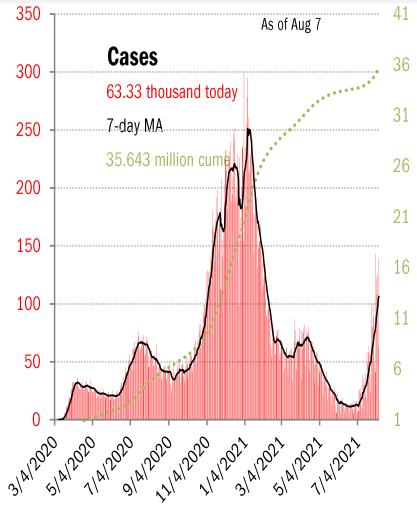
The demographics of US vaccination

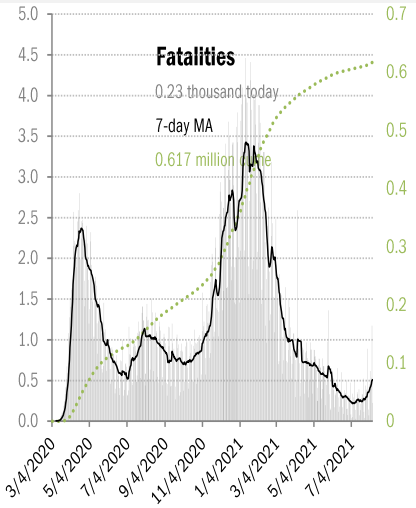


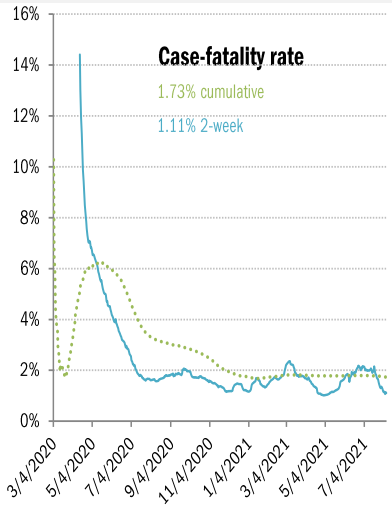
Source: CDC, CDC, Our World in Data, TrendMacro calculations

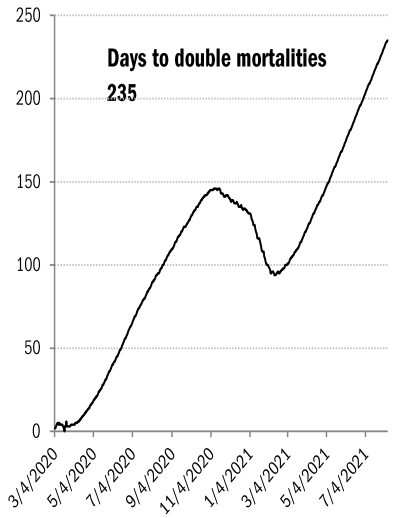
US deep-dive

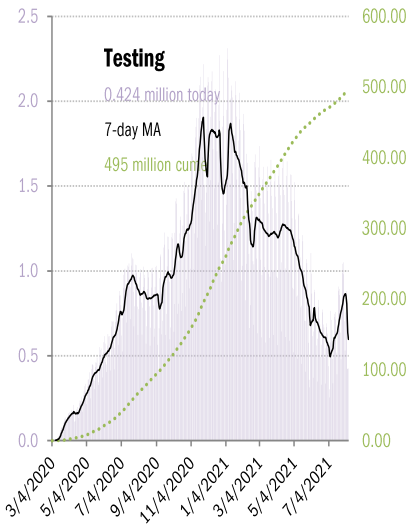
National and state-by-state data do not line up because of different sources

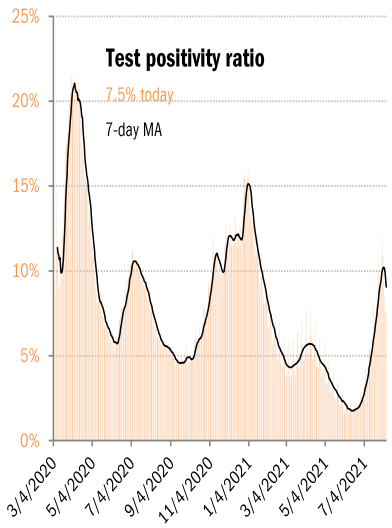


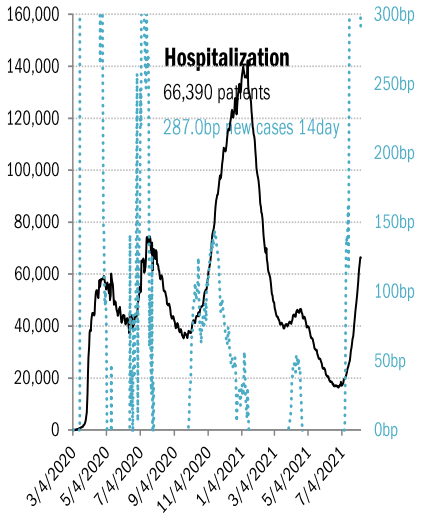


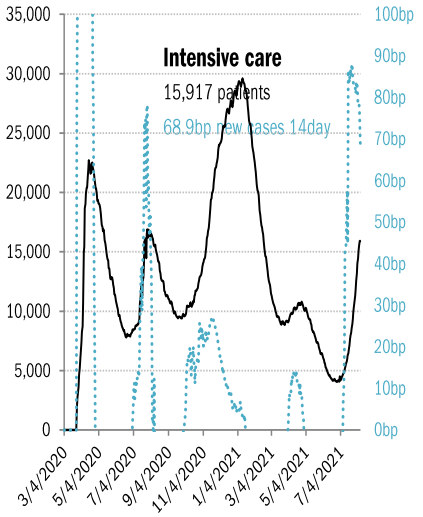


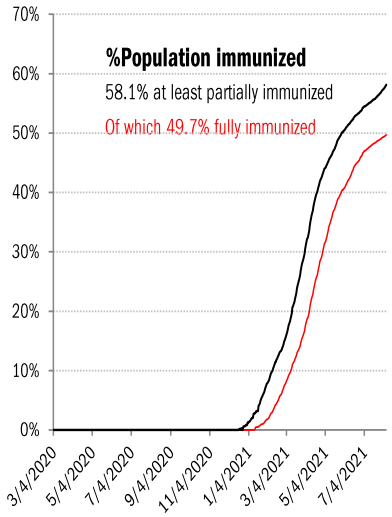












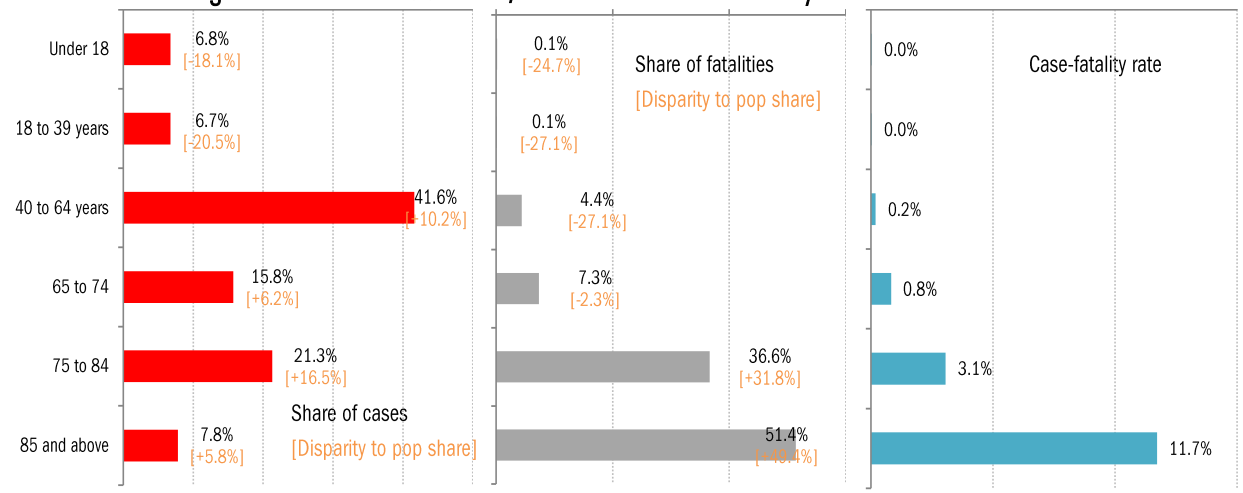
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

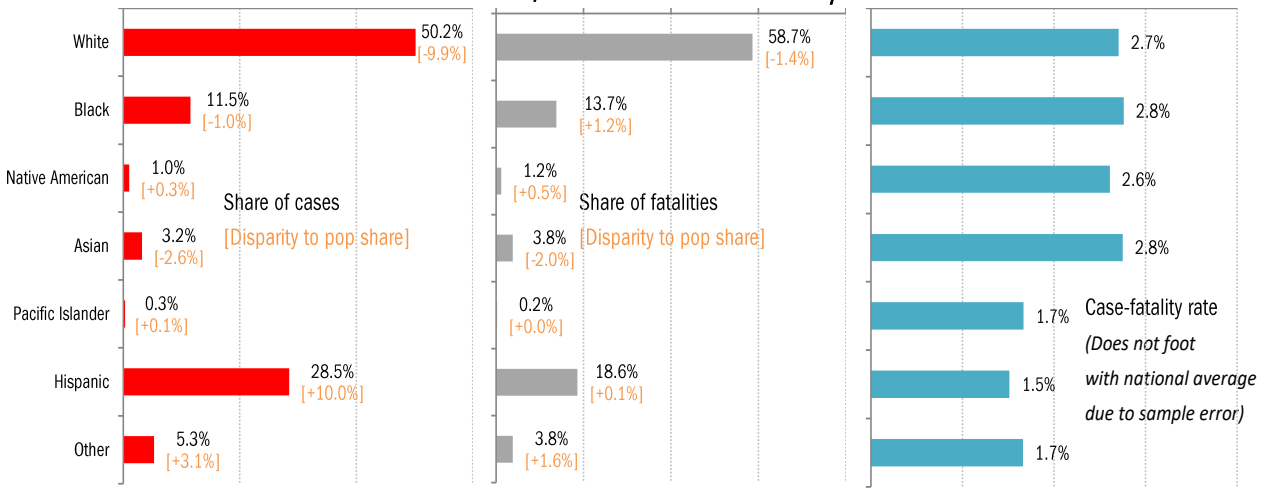
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



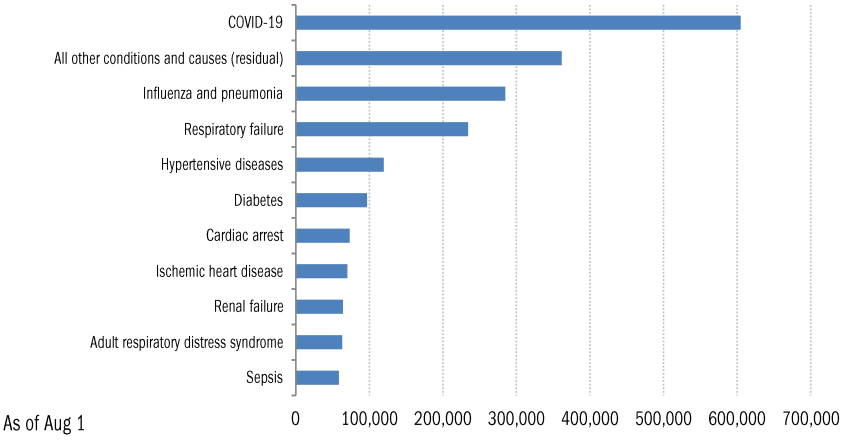
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 1

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

U.S. City With 2.4 Million Population Has Just Six ICU Beds Left
Linus Chua
Bloomberg
August 7, 2021

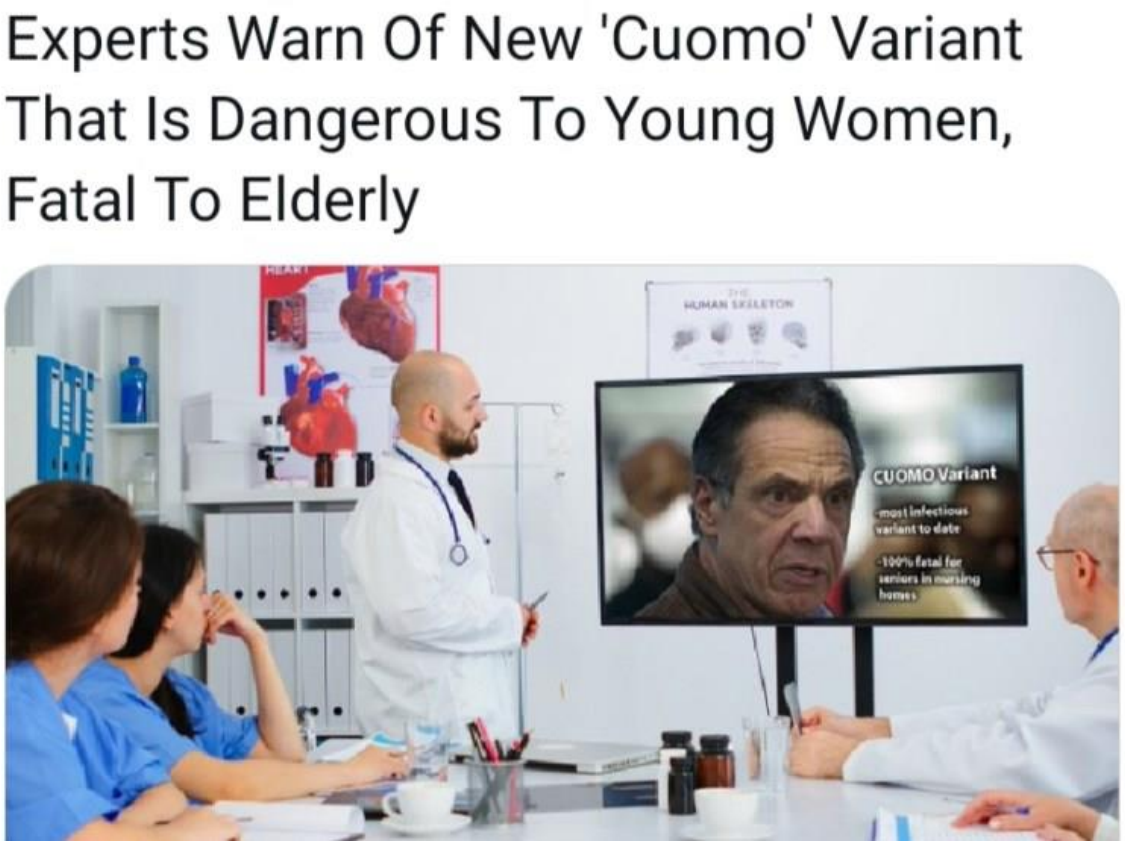
The authorities in Austin warn residents that the city's Covid situation is 'dire.'
New York Times
August 6, 2021

The vaccines work. Panic is a contagion we don't need.
Kevin Roche
Star Tribune
August 6, 2021

Vaccination form for federal workers adds penalties for lies
Zeke Miller
AP
August 6, 2021

Could a Conservative Replace Gavin Newsom?
Allysia Finley
Wall Street Journal
August 6, 2021

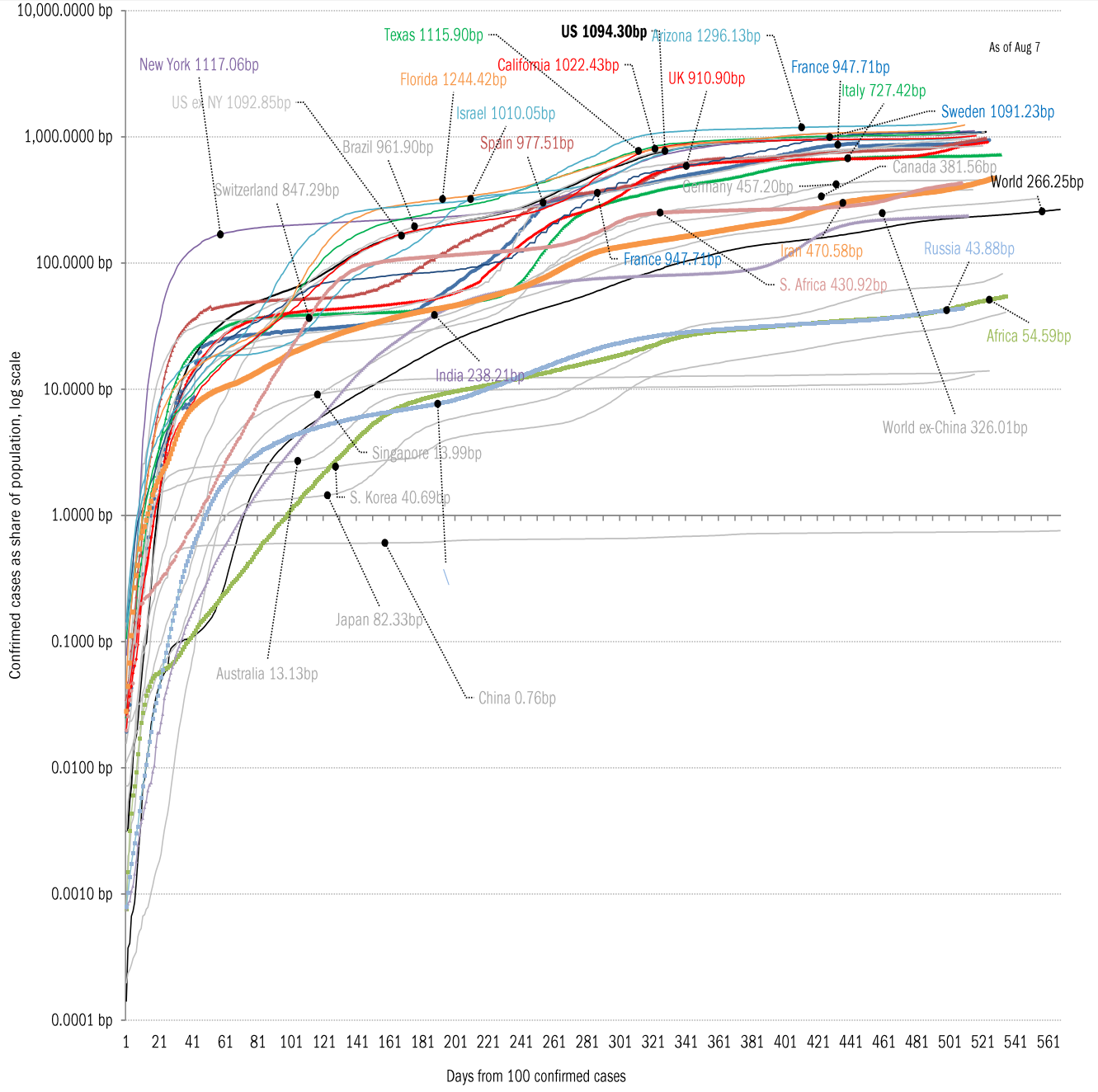
Meme of the day



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

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

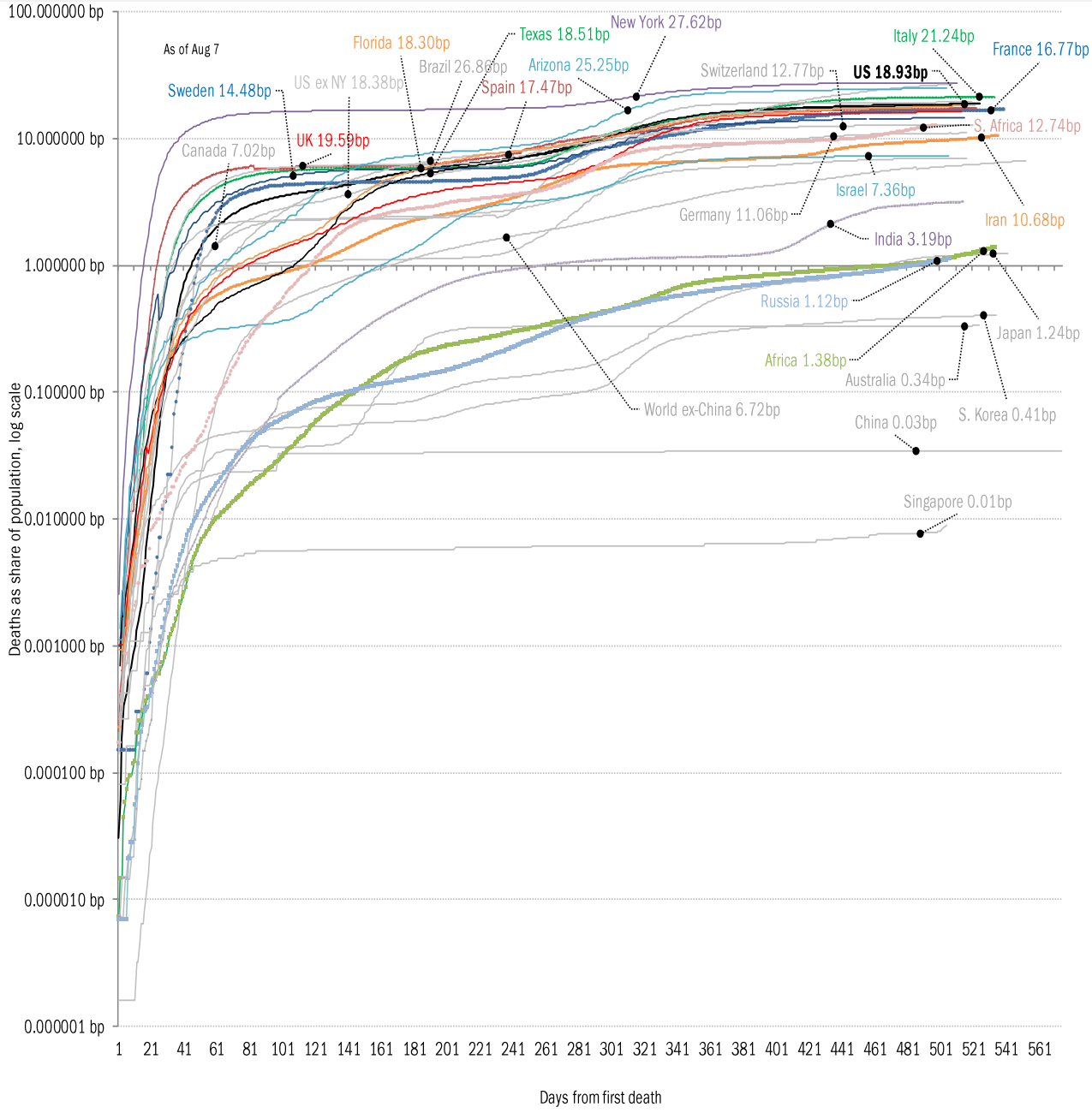
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, TrendMacro calculations

The coronavirus mortality accelerometer … tracking the world's fatality curves

Share of deceased population from day of first fatality, log scale

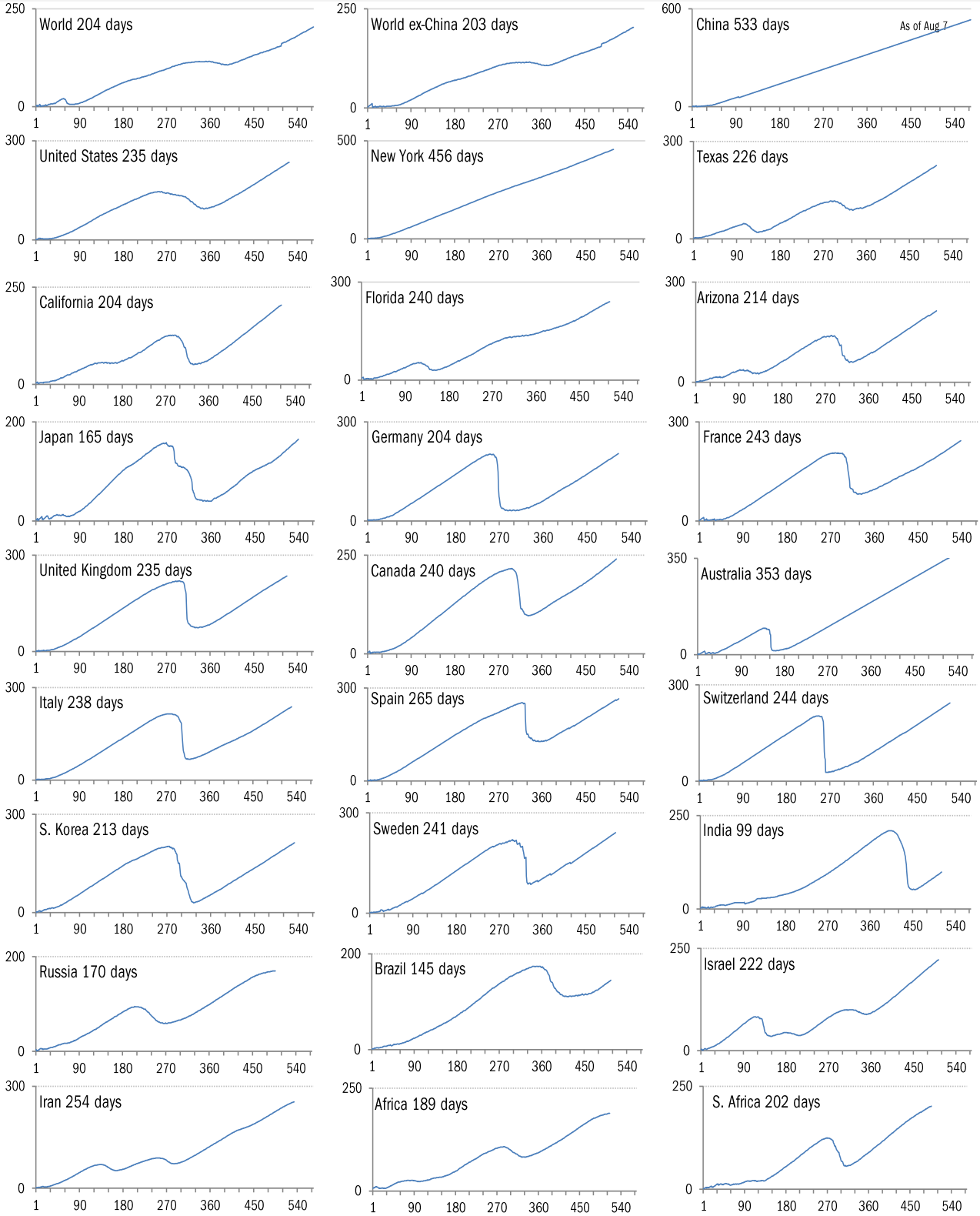


Source: Johns Hopkins, TrendMacro calculations

"Exponential"? 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

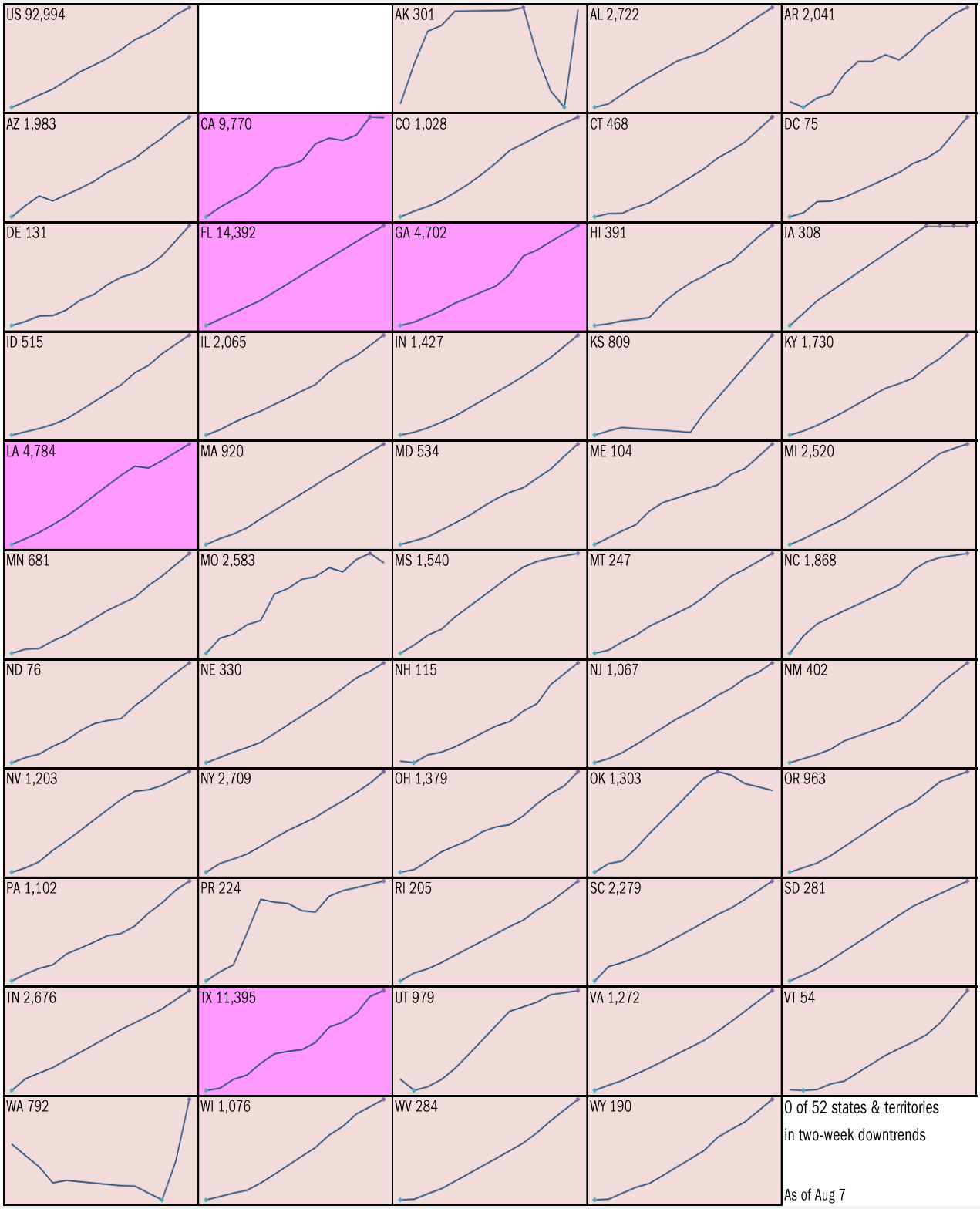


Source: Johns Hopkins, TrendMacro calculations

Requirement to Open Up America Again: 14-day "downward 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

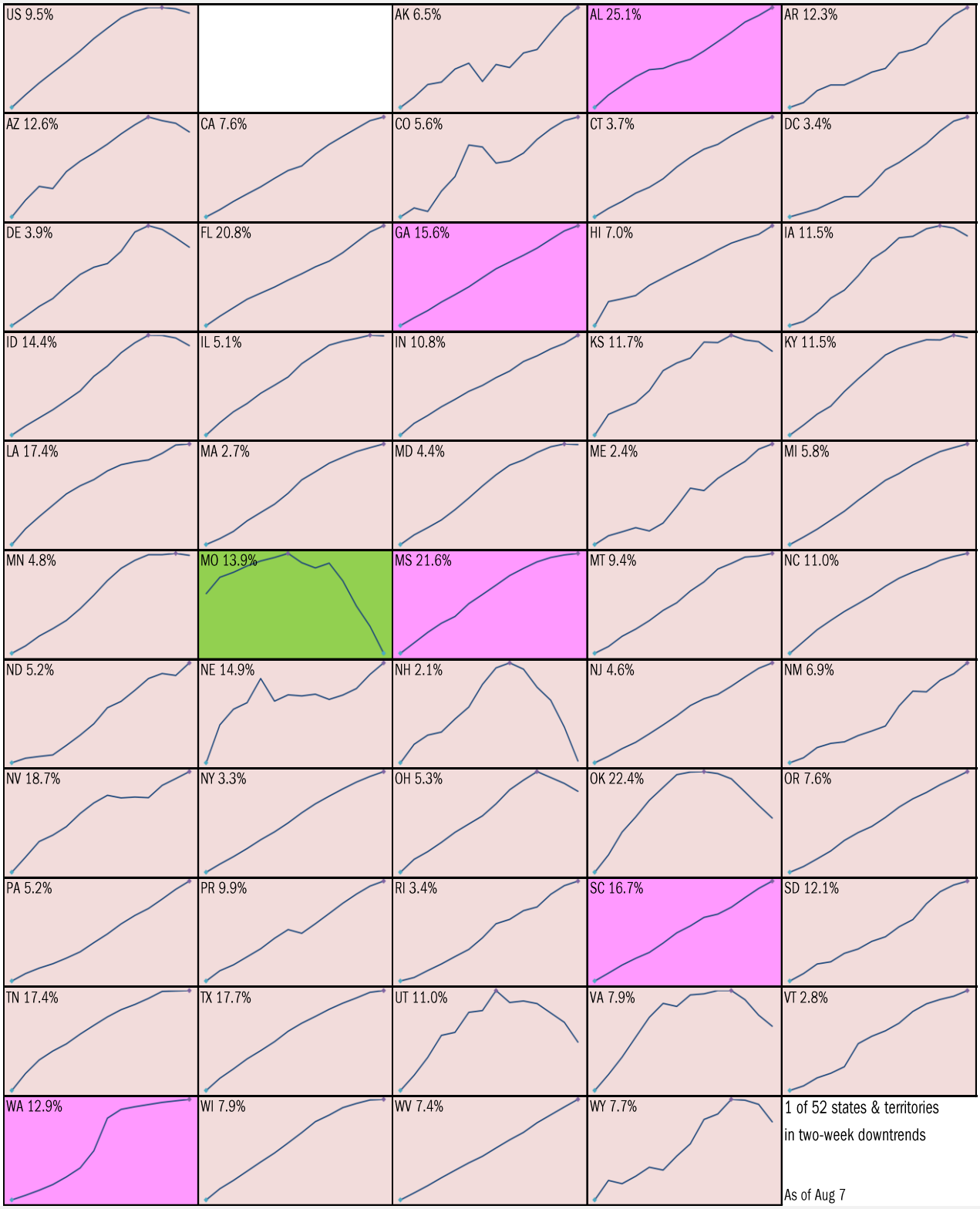


Source: Johns Hopkins, TrendMacro calculations

Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

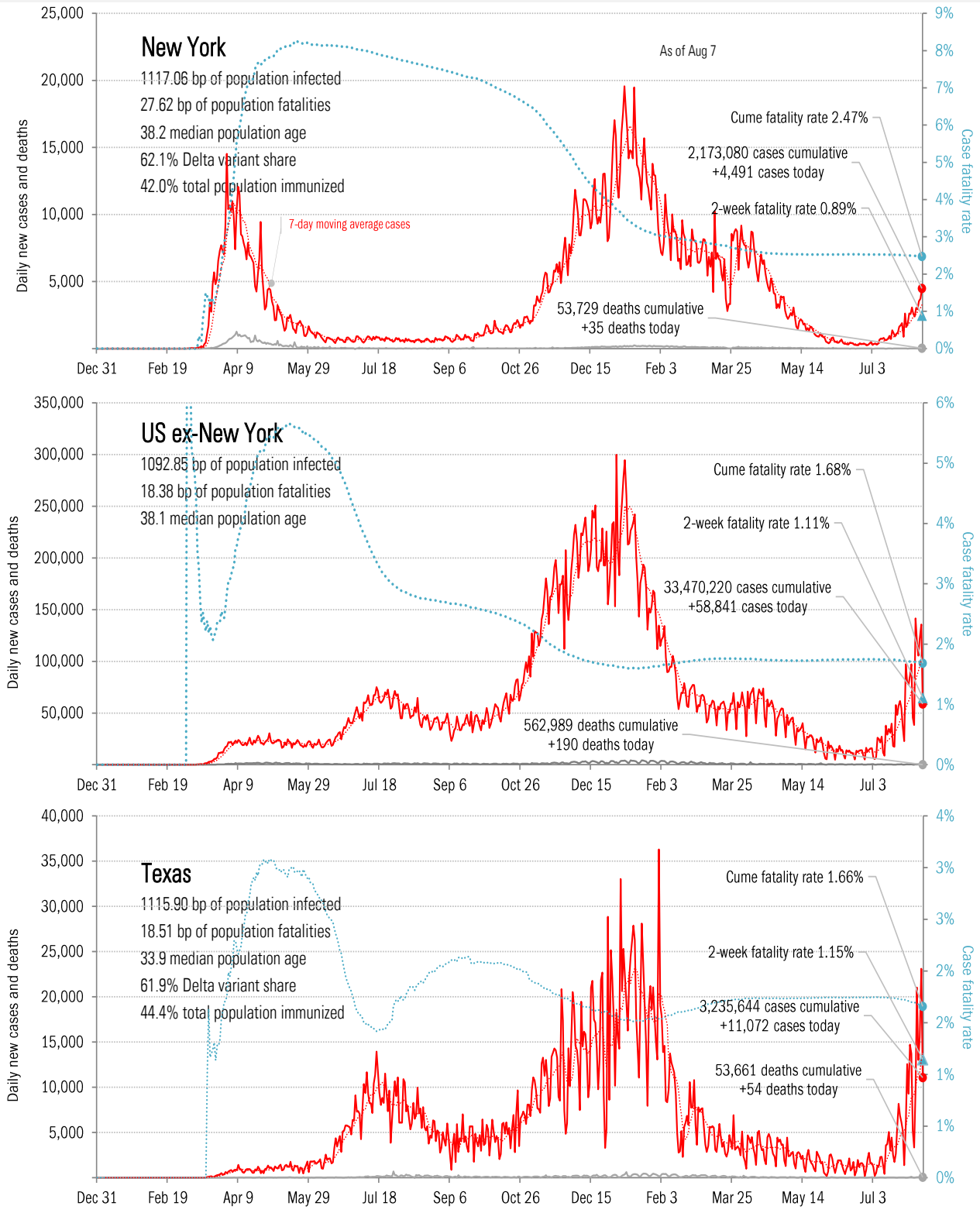
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



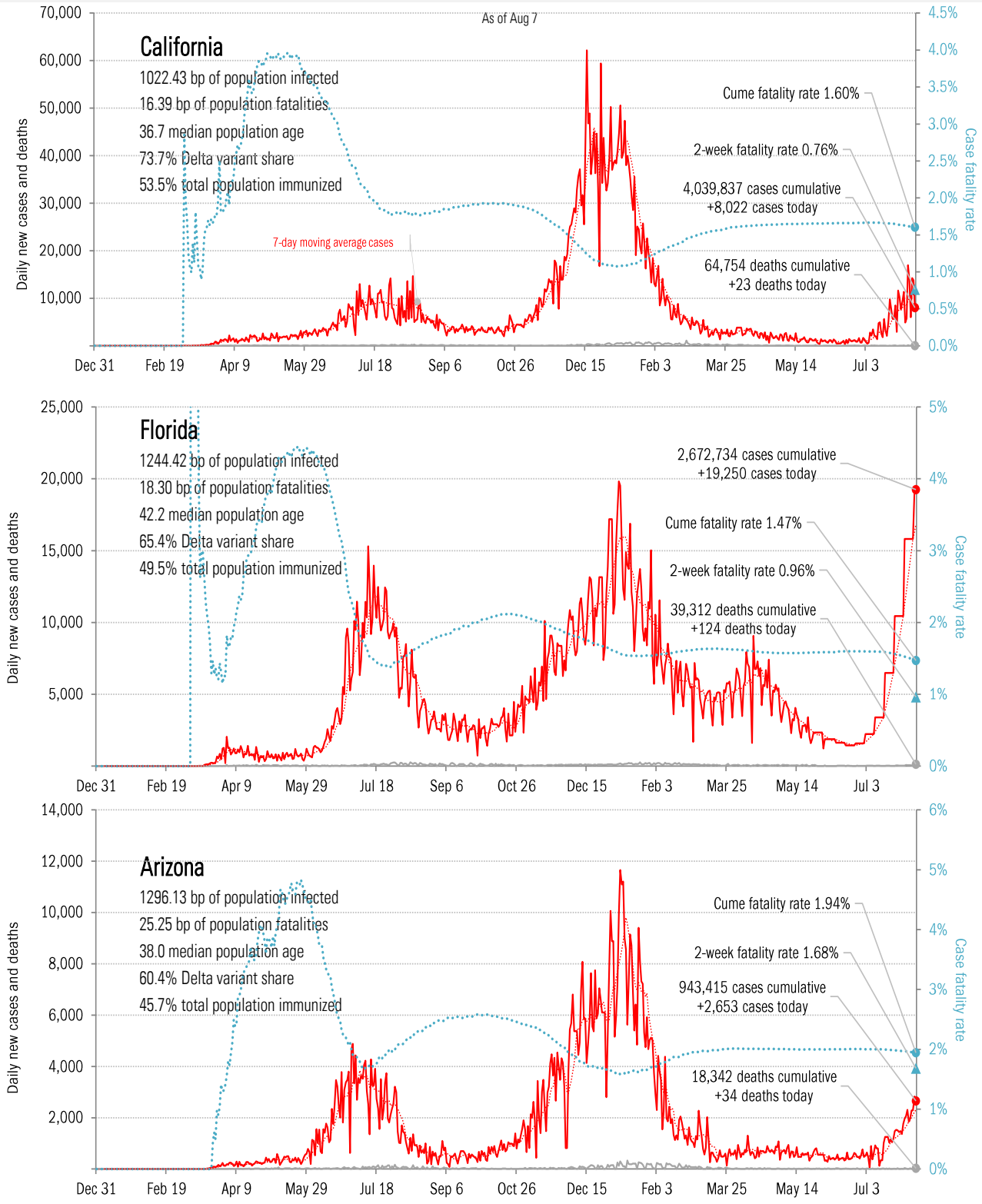
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande



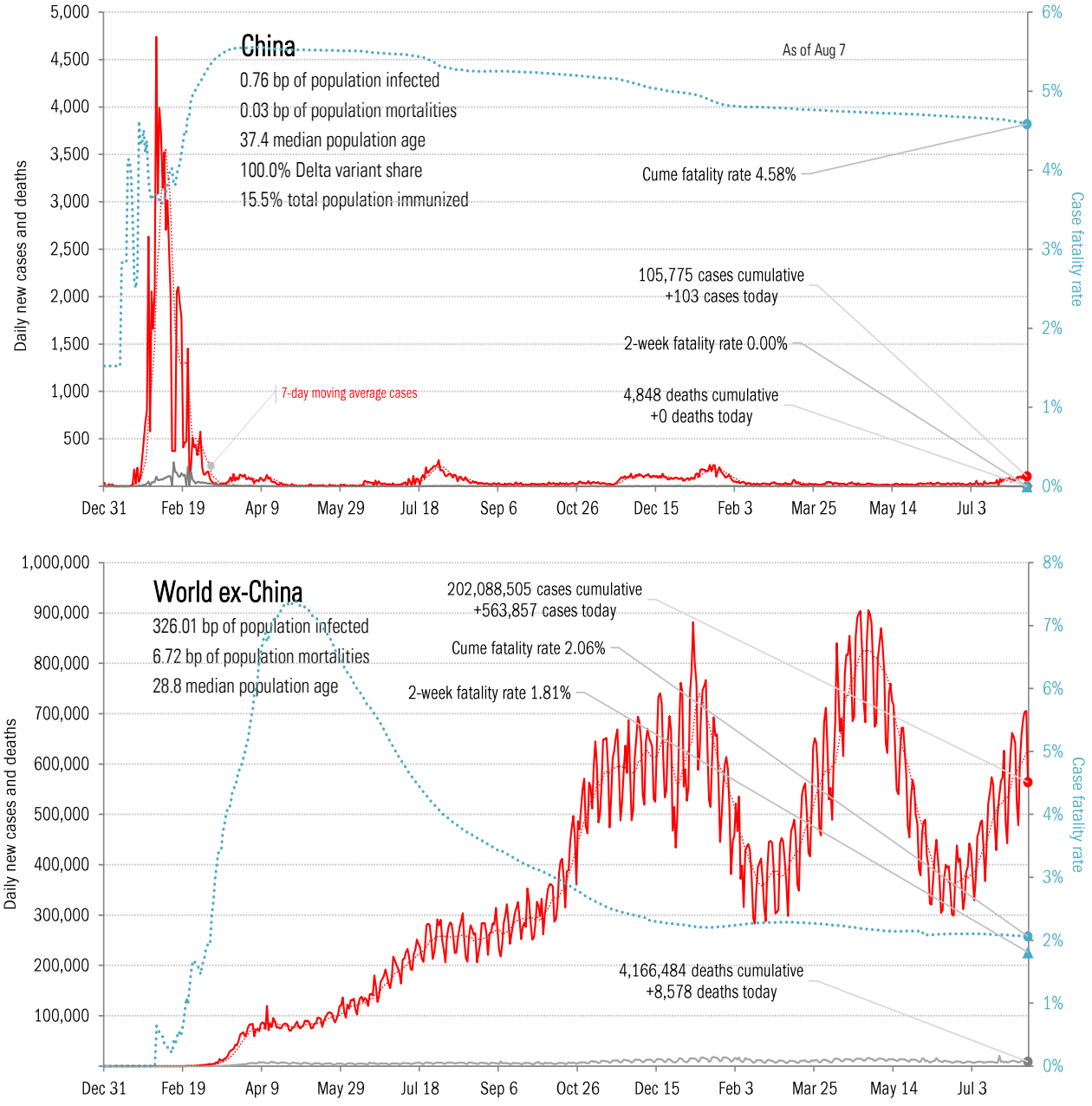
Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states (other than Texas)



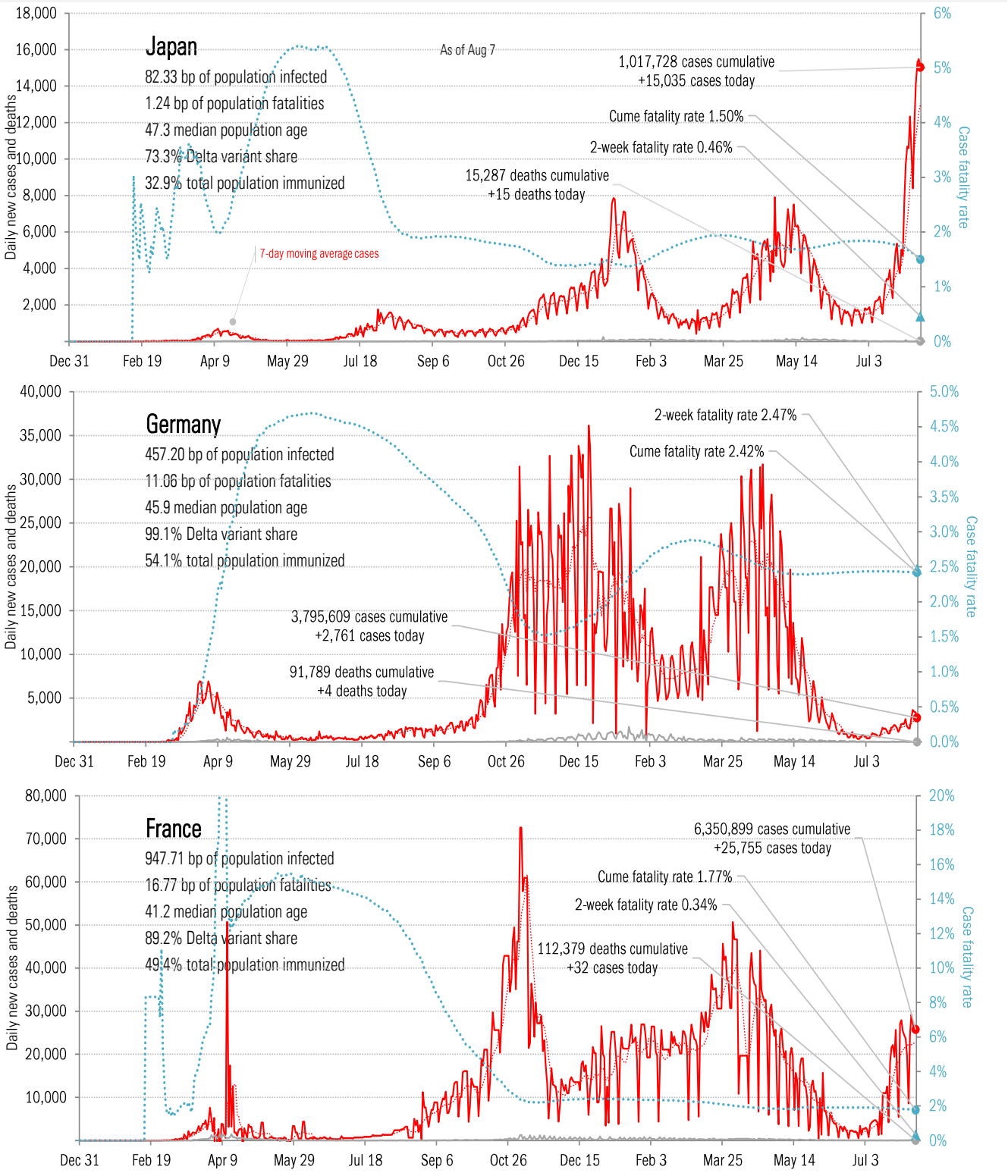
Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else



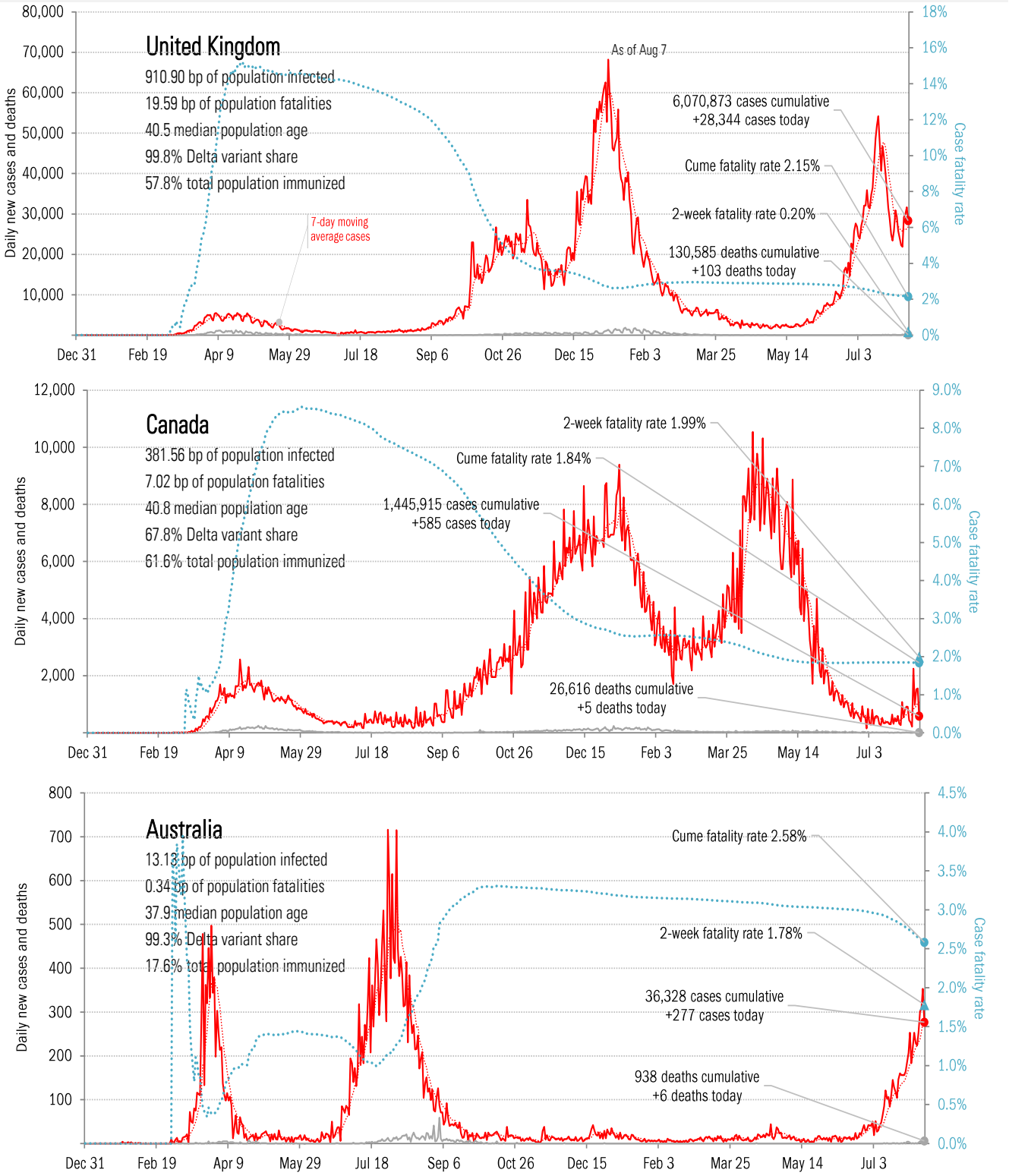
Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies



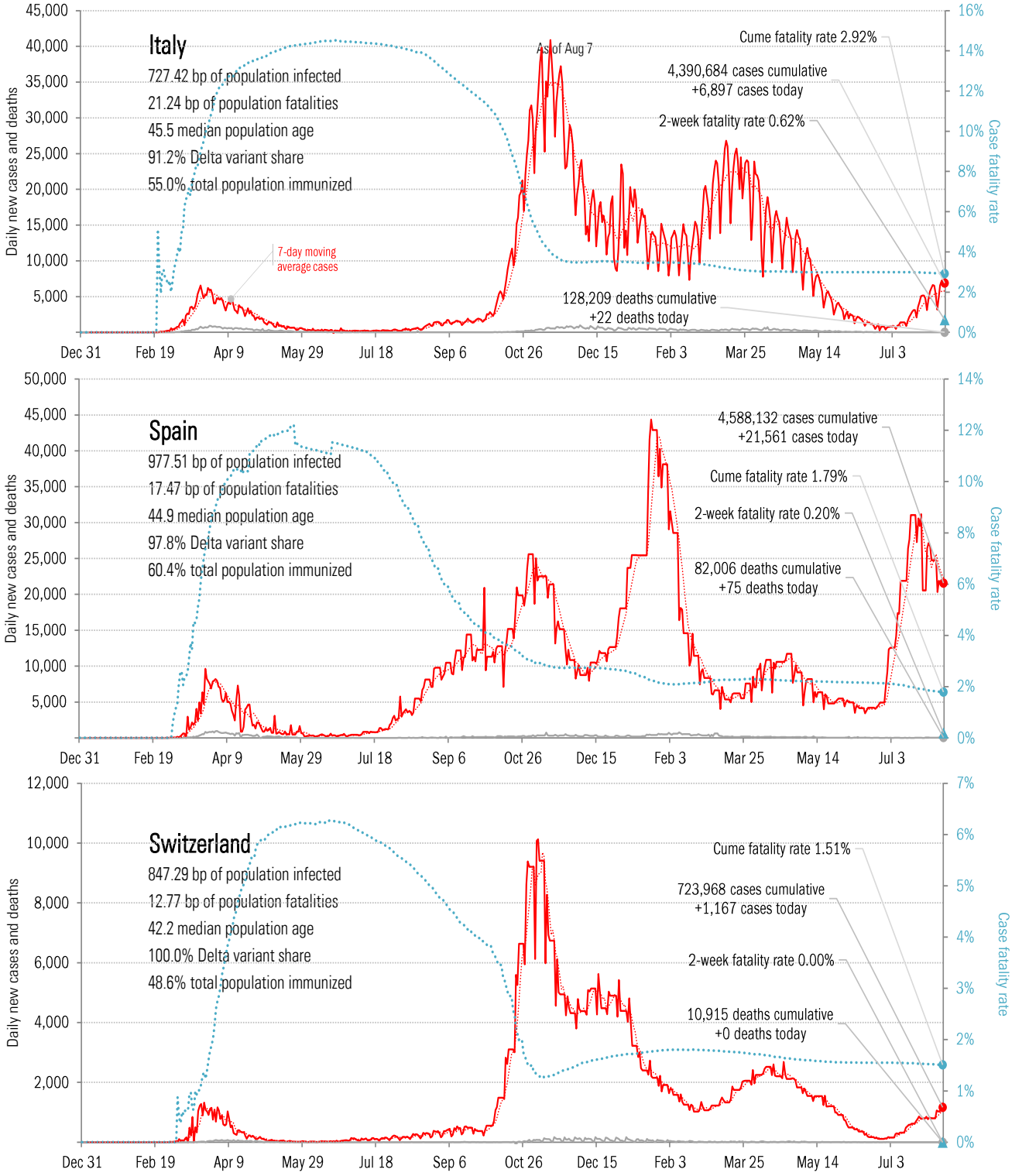
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



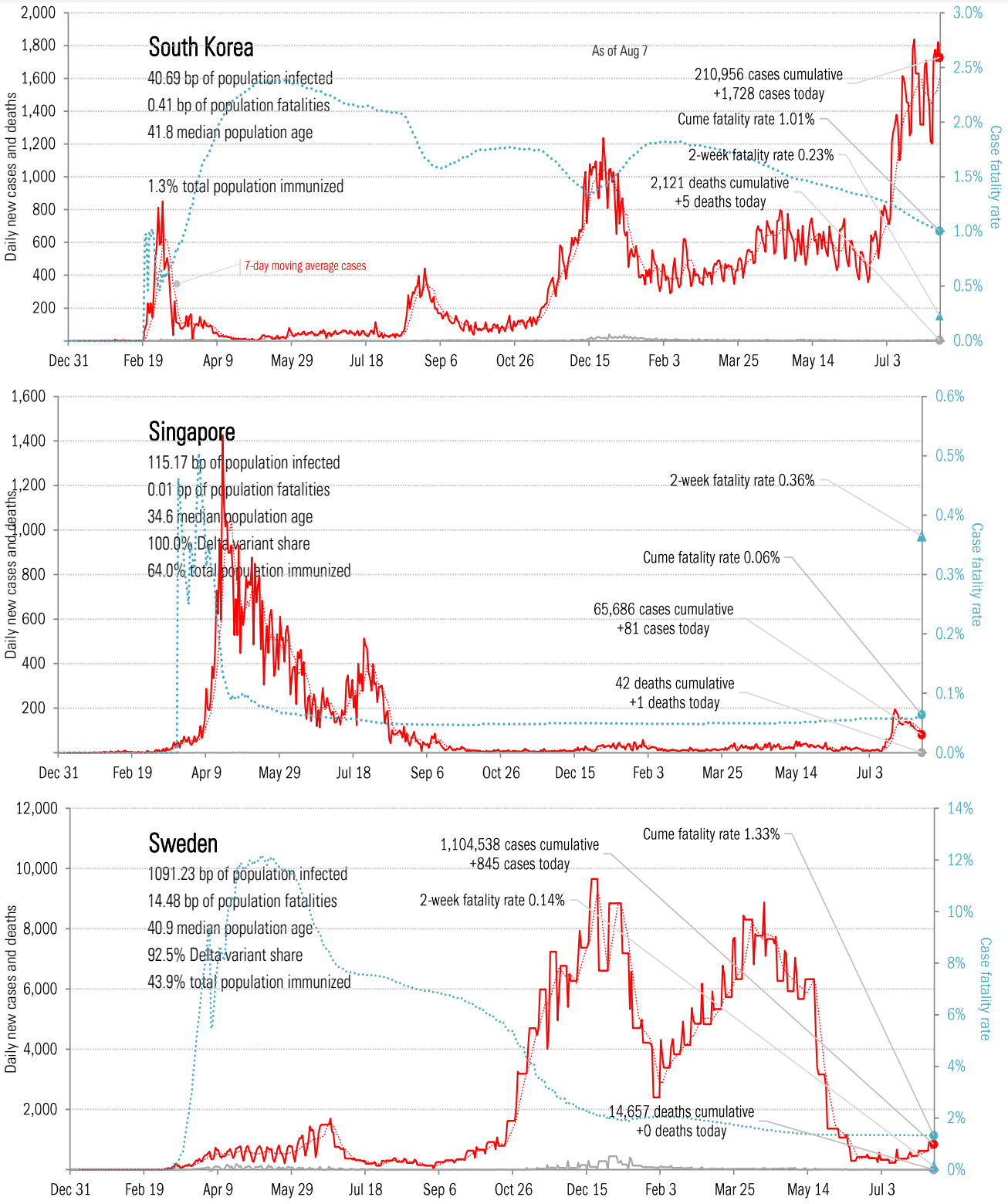
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



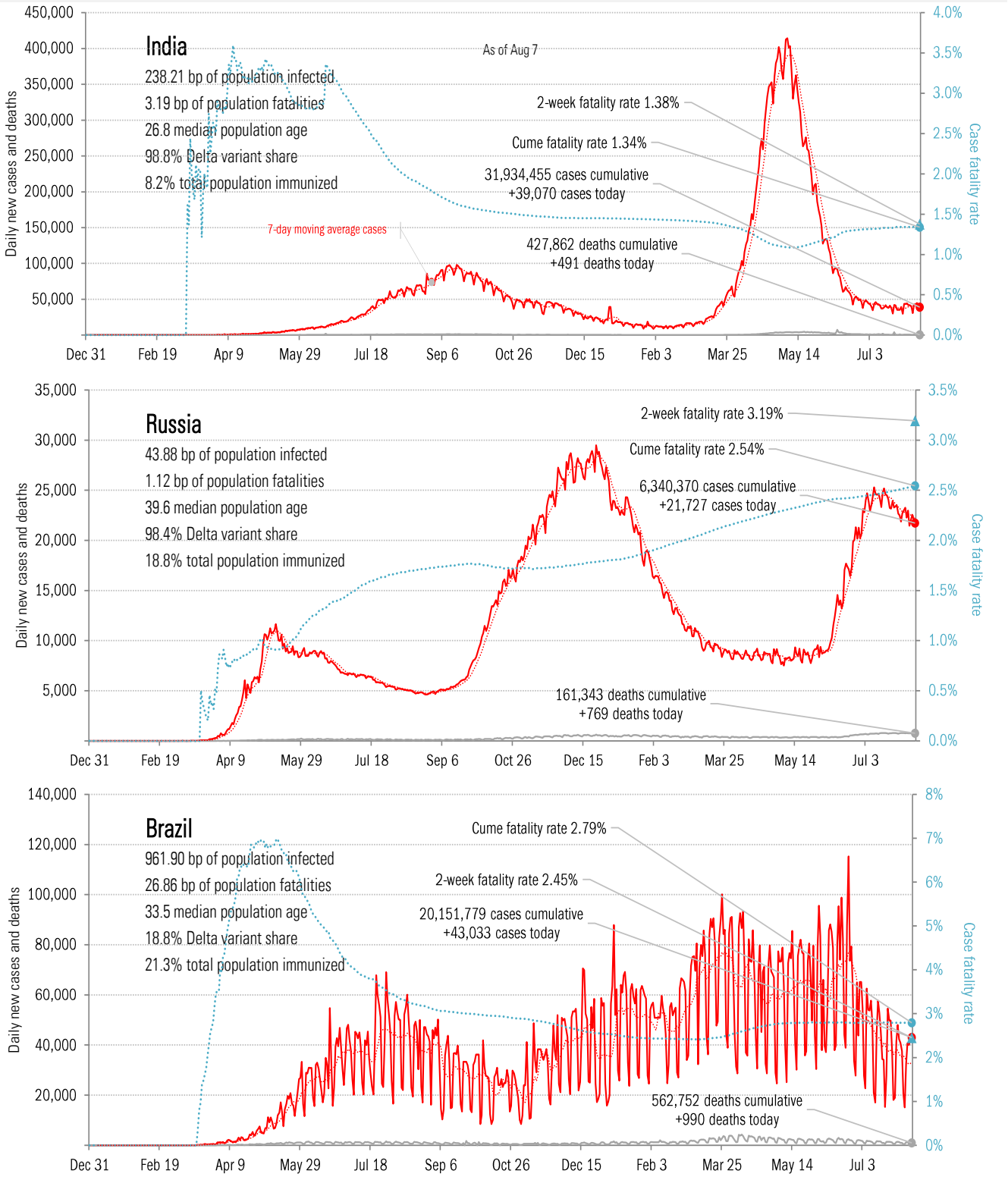
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



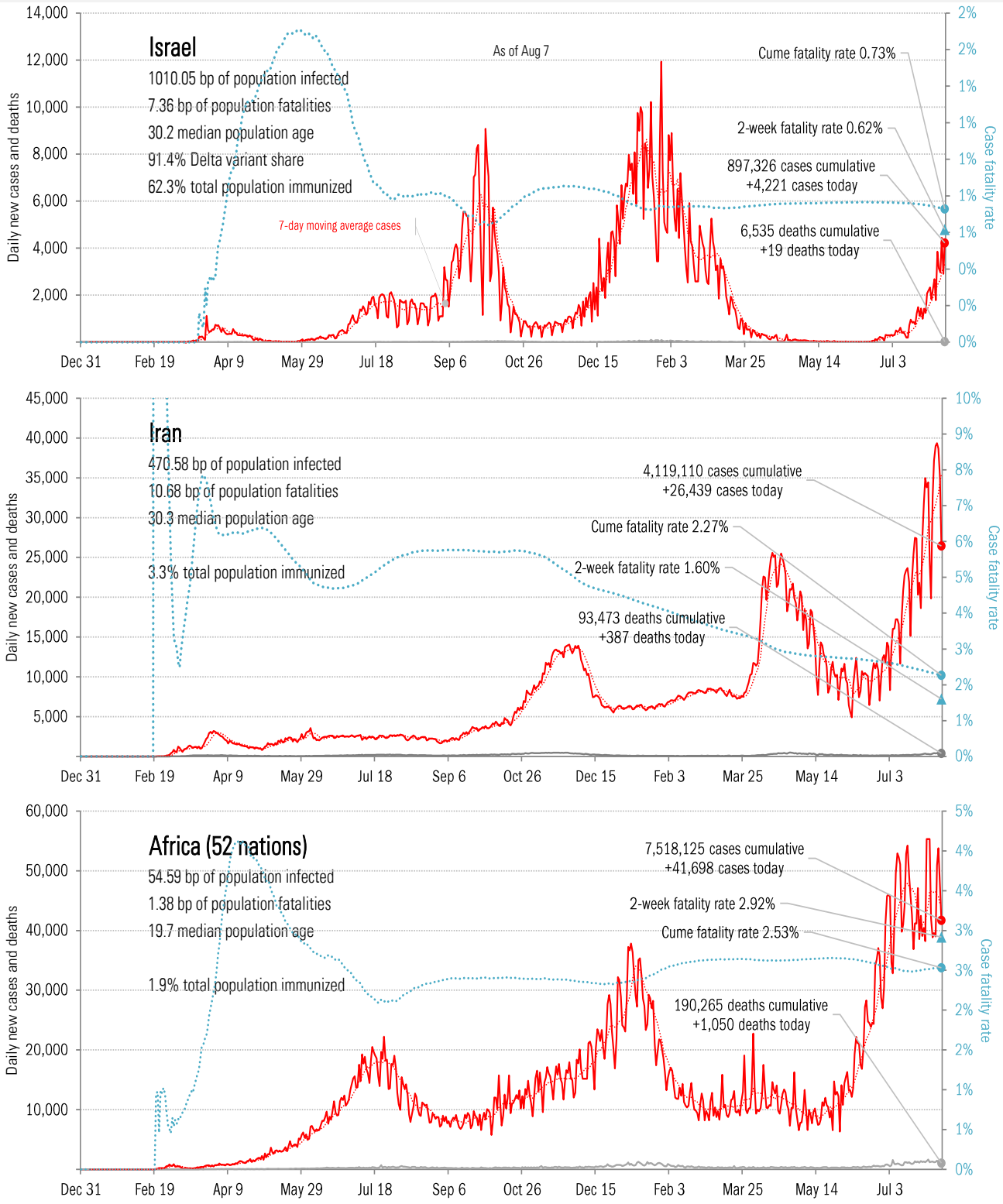
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



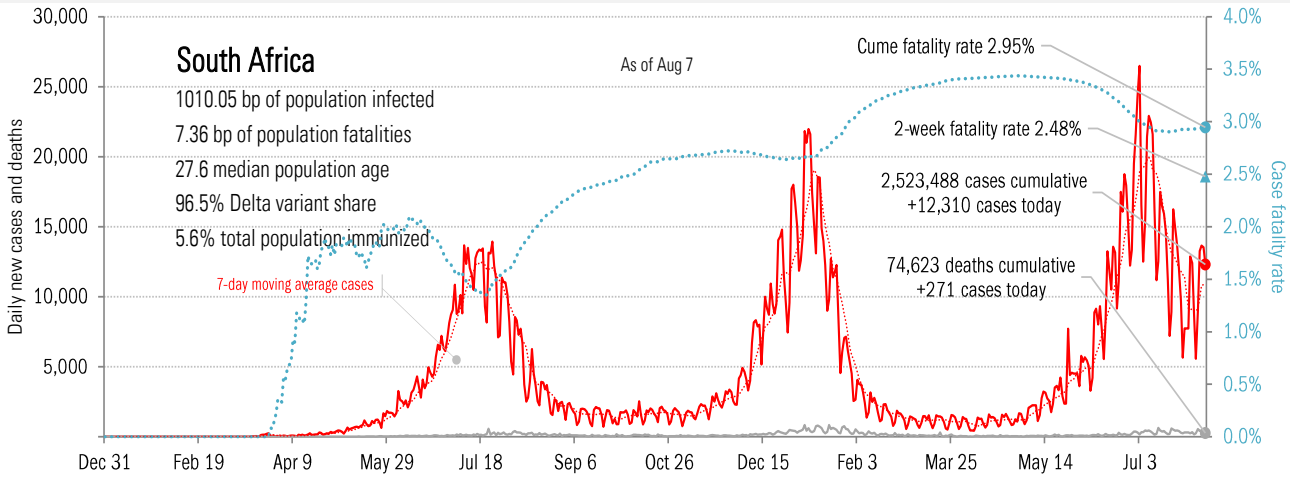
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations