Trend Macrolytics, LLC
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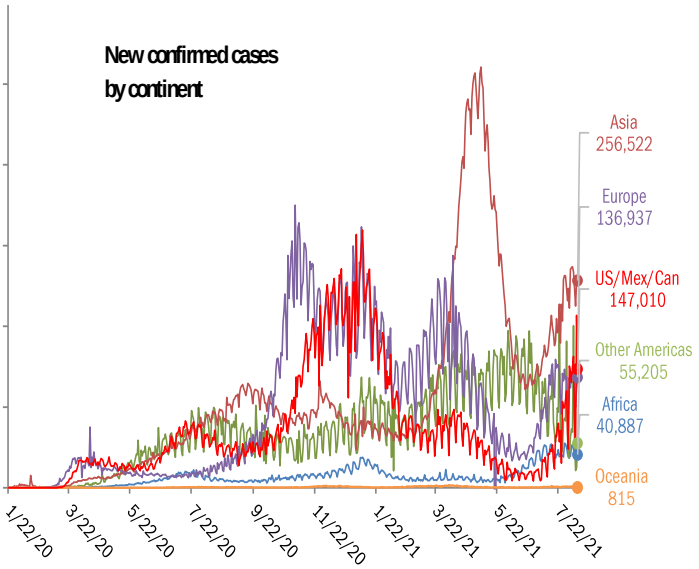
Data Insights: Covid-2019 Monitor

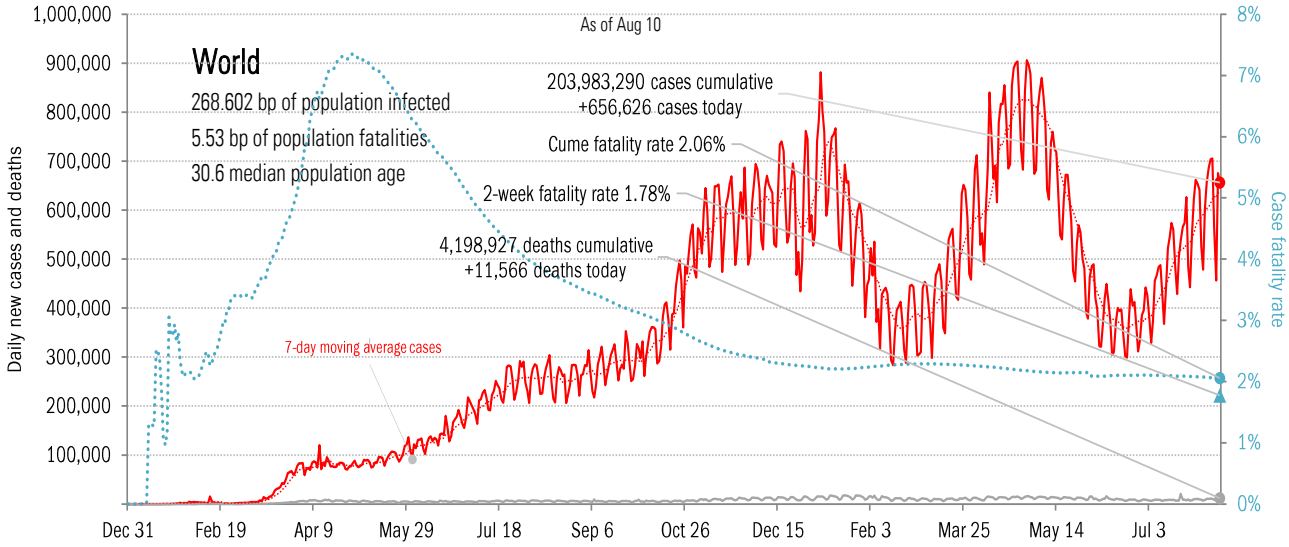
Wednesday, August 11, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+126,121	Indonesia	+2,048
Iran	+39,139	Brazil	+1,211
India	+38,353	Kazakhstan	+882
Brazil	+34,885	United States	+816
Indonesia	+32,081	Mexico	+786
France	+32,020	Russia	+769
Turkey	+26,597	Iran	+508
United Kingdom	+23,469	India	+497
Russia	+20,765	Vietnam	+388
Malaysia	+19,991	Bangladesh	+264
	+393,421		+8,169
World	+656,626	World	+11,566
Top ten	60%	Top ten	71%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

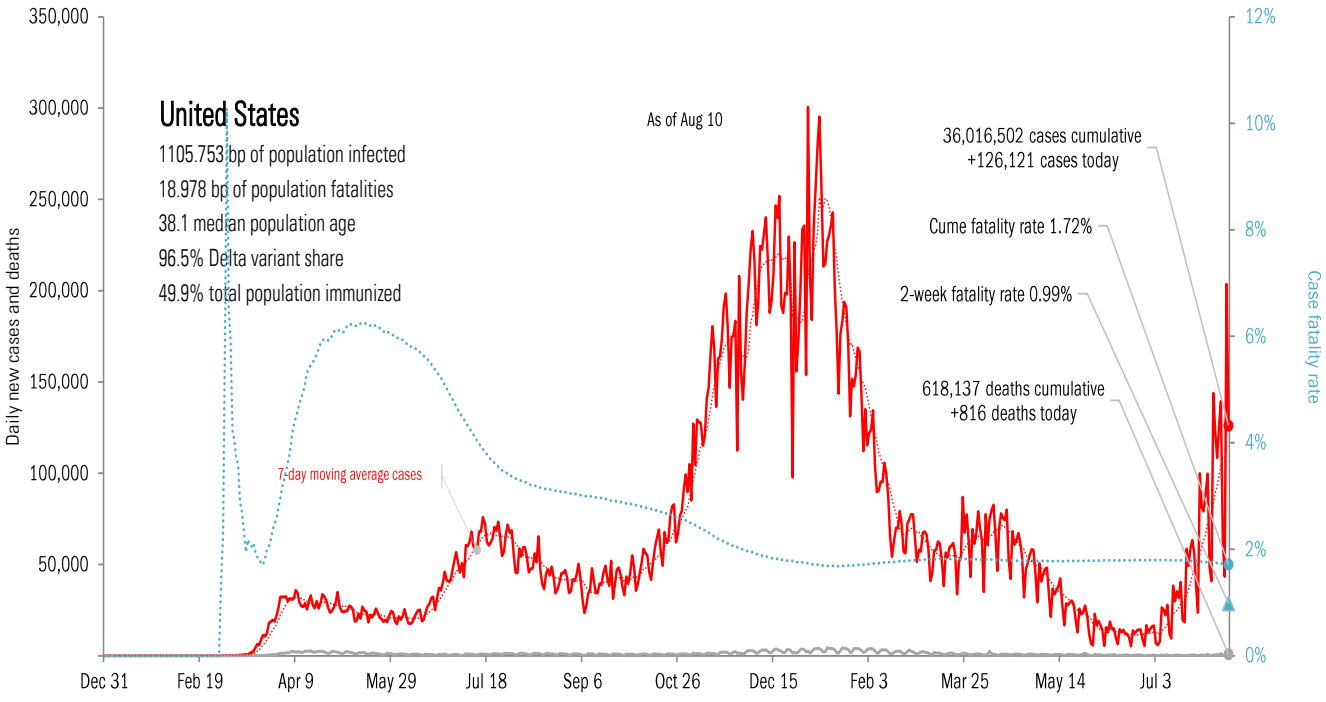
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	+21,565	MO	+138	FL	+441	CA	4,076,632	CA	64,853	TX	280,323	RI	90%	LA	44%
FL	+19,250	TX	+104	TX	+339	TX	3,272,462	TX	53,831	CA	256,280	MA	85%	MS	44%
CA	+13,315	FL	+95	CA	+190	FL	2,730,485	NY	53,758	FL	228,145	MD	84%	FL	43%
GA	+6,945	LA	+93	GA	+100	NY	2,180,696	FL	39,624	NY	140,135	GA	84%	AR	40%
LA	+6,088	CA	+53	AL	+77	IL	1,447,161	PA	27,914	GA	118,586	FL	84%	MO	36%
AL	+3,815	NV	+40	LA	+75	PA	1,244,753	NJ	26,659	PA	93,867	MO	83%	AL	35%
TN	+3,490	TN	+39	KY	+72	GA	1,231,425	IL	25,975	OH	91,093	PA	81%	TX	35%
MS	+3,488	MS	+36	NY	+65	OH	1,145,925	GA	21,862	IL	86,471	SC	80%	OK	32%
NC	+2,985	GA	+31	TN	+61	NC	1,089,923	MI	21,228	KY	83,213	MN	80%	NV	30%
IL	+2,950	IN	+27	NC	+57	NJ	1,051,712	OH	20,580	MI	74,863	NV	79%	GA	30%
	+83,891		+656		+1,477		19,471,174		356,284		1,452,976				
All states	+126,121		+911		+2160	All states	36,016,502		618,137		2,580,757	All states	70%		67%
Top ten	67%		72%		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	
NC	-12,816	KS	-22	MO	-133	MP	+50 bp
LA	-10,455	SC	-20	GA	-71	UT	+30 bp
SC	-7,073	IL	-19	LA	-67	GA	+20 bp
WA	-6,679	NC	-14	SC	-63	OK	+20 bp
GA	-6,096	CO	-8	AR	-47	AL	+10 bp

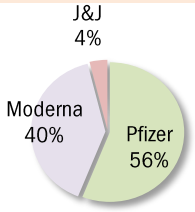


Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	362,564,792				+0.619 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	200,473,854	60%	171,186,006	51%	+0.208 million
Age 12 to 17	10,907,420	46%	8,076,086	34%	+0.630 million
Age 18 to 64	137,466,227	68%	116,759,792	57%	+0.145 million
Age 65 and over	51,125,254	93%	45,544,396	83%	+0.018 million

Immunity	Full	Partial
US	49.9%	58.5%
UK	58.5%	69.4%
France	50.5%	66.5%
Spain	61.5%	71.8%
Germany	55.2%	62.2%
Italy	56.1%	66.2%
Australia	18.5%	36.2%
Israel	62.4%	67.3%
Canada	62.5%	72.2%
Japan	35.7%	47.9%
Africa	2.0%	4.0%
India	8.4%	29.3%
Brazil	21.9%	53.2%
China	15.5%	43.2%



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

Best
Middle
Worst

Every American >18 immune in
201 days
by Feb 27, 2022

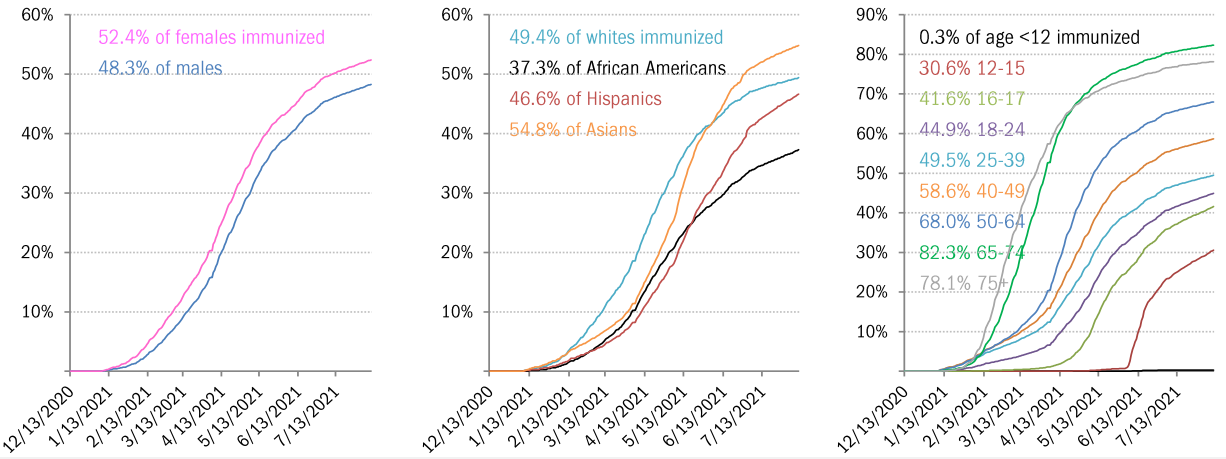
62.8% of population >18 immunized
12.3% previously tested positive
75.1% vs 60% adult herd immunity*

As of Aug 10

Global data differs from sources, timing

AK					WI					ME
52.2%					56.6%					69.3%
45.9%					52.3%					64.3%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
65.0%	42.0%	50.3%	46.2%	59.9%	63.6%	53.8%		64.5%	76.2%	65.6%
58.4%	37.8%	44.7%	40.4%	54.3%	49.2%	49.3%		57.9%	68.0%	58.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
61.6%	55.3%	42.6%	53.9%	54.3%	48.2%	50.7%	66.8%	67.3%	73.5%	
56.5%	45.3%	37.1%	47.5%	50.1%	44.8%	47.0%	53.1%	59.2%	64.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
66.2%	53.6%	61.3%	55.2%	50.2%	53.6%	46.3%	62.9%	65.9%	71.1%	68.8%
53.7%	45.7%	55.1%	50.1%	42.3%	46.3%	39.2%	55.2%	59.6%	64.0%	62.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	54.3%	66.8%	54.7%	49.4%	46.2%	52.5%	48.3%	65.2%	61.8%	
	45.9%	57.9%	45.9%	37.7%	39.7%	44.3%	41.2%	55.7%	53.4%	
			OK	LA	MS	AL	GA			
			49.7%	45.2%	41.9%	45.5%	47.9%			
			41.0%	37.7%	35.2%	35.0%	39.3%			
HI			TX					FL		PR
72.2%			53.5%					60.0%		69.8%
54.0%			44.6%					49.7%		60.7%

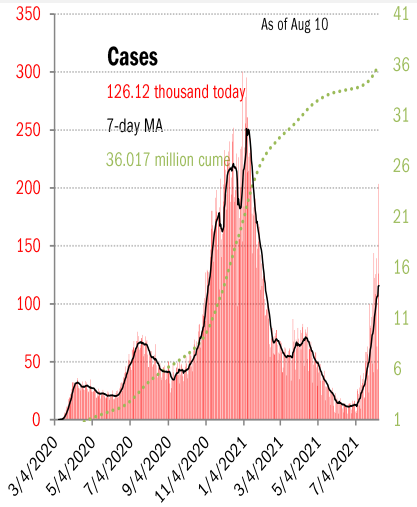
The demographics of US vaccination

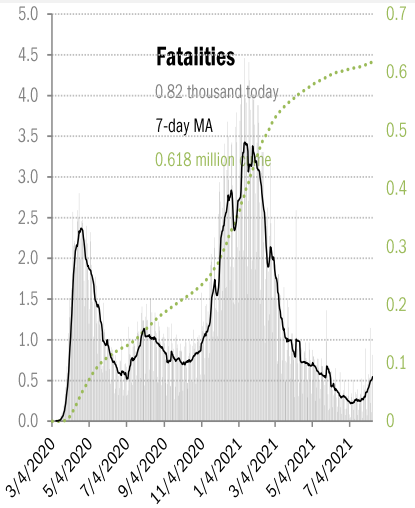


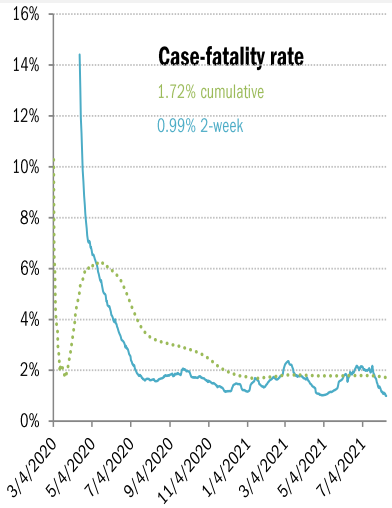
Source: CDC, CDC, Our World in Data, TrendMacro calculations

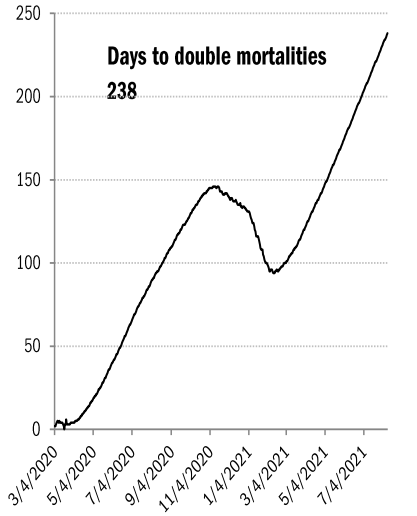
US deep-dive

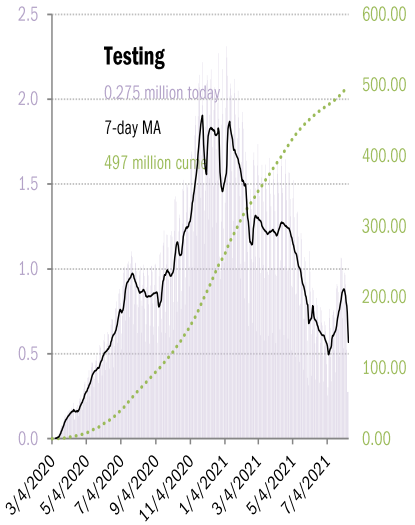
National and state-by-state data do not line up because of different sources

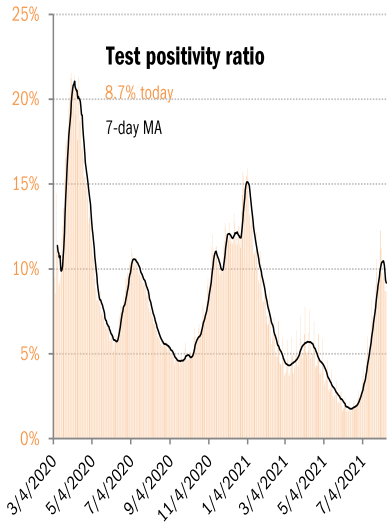


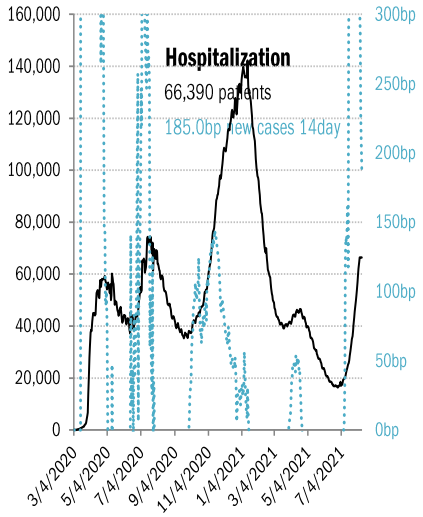


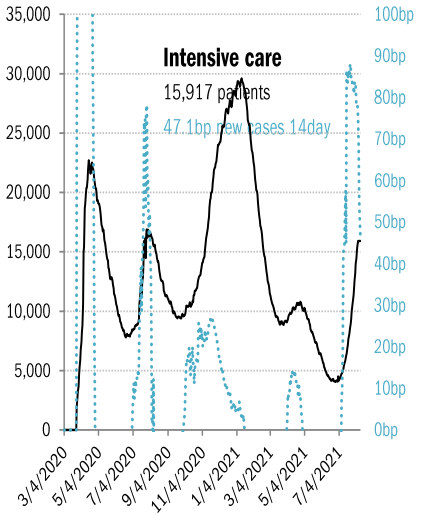


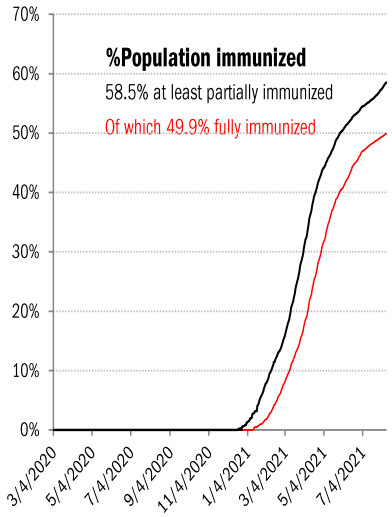












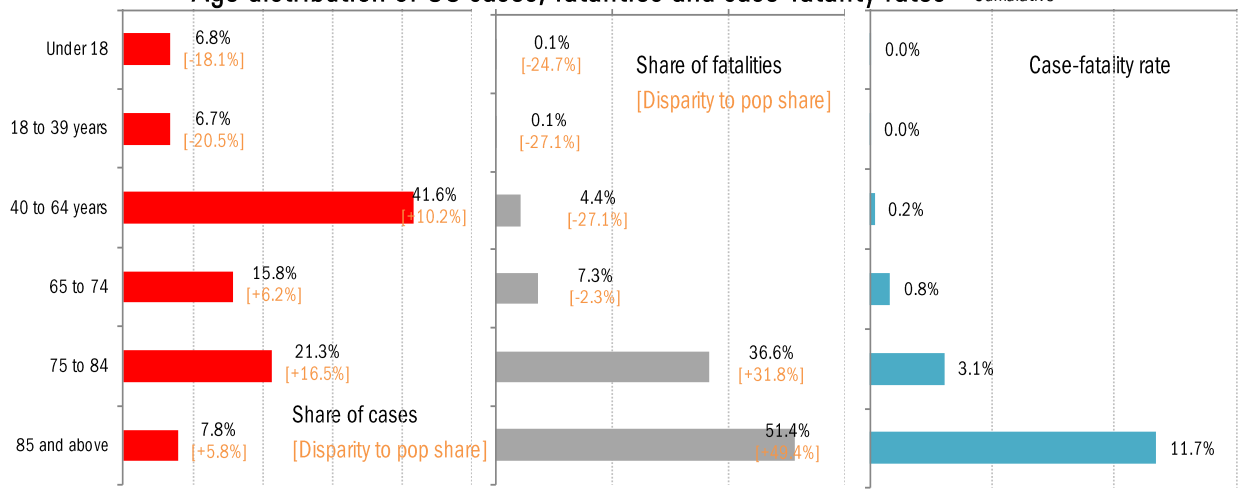
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sundays

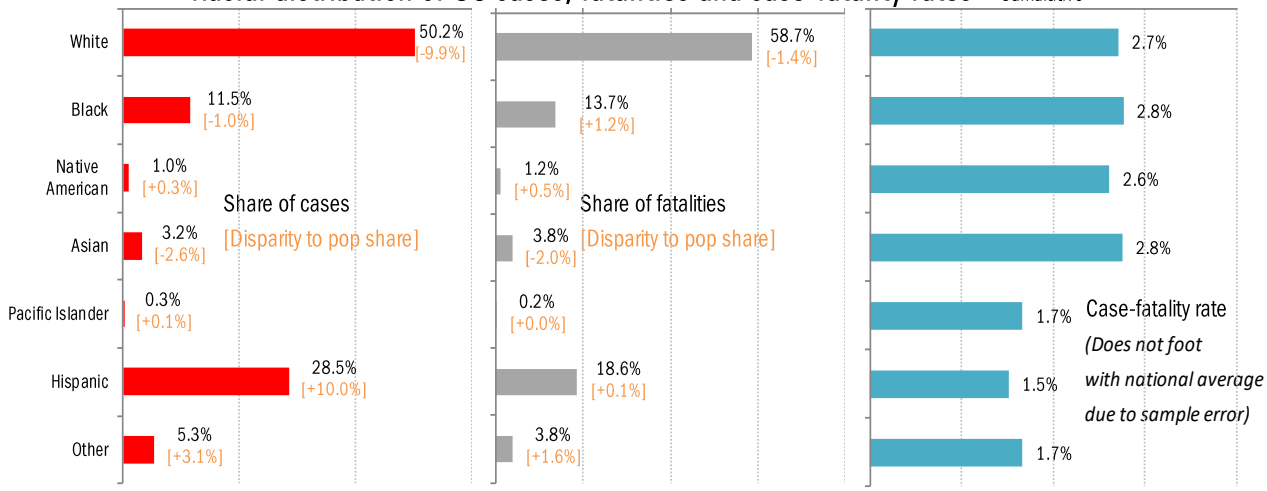
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



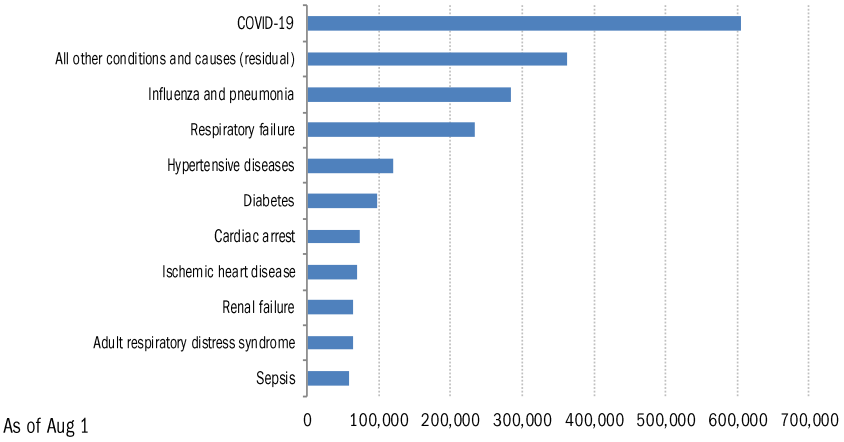
Racial distribution of US cases, fatalities and case-fatality rates

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

[See the Data on Breakthrough Covid Hospitalizations and Deaths by State]
New York Times
August 10, 2021

[Florida Calls a Truce in the Mask Wars]
William Mattox
Wall Street Journal
August 10, 2021

[NY Gov. Andrew Cuomo Resigns: Press Conference Transcript Announcing Resignation]
Rev
August 10, 2021

[Prominent Law Professor Sues His School Over Vaccine Policy]
Ethan Yang
American Institute for Economic Research
August 7, 2021

[America's Delta data problem]
Caitlin Owens
Axios
August 9, 2021

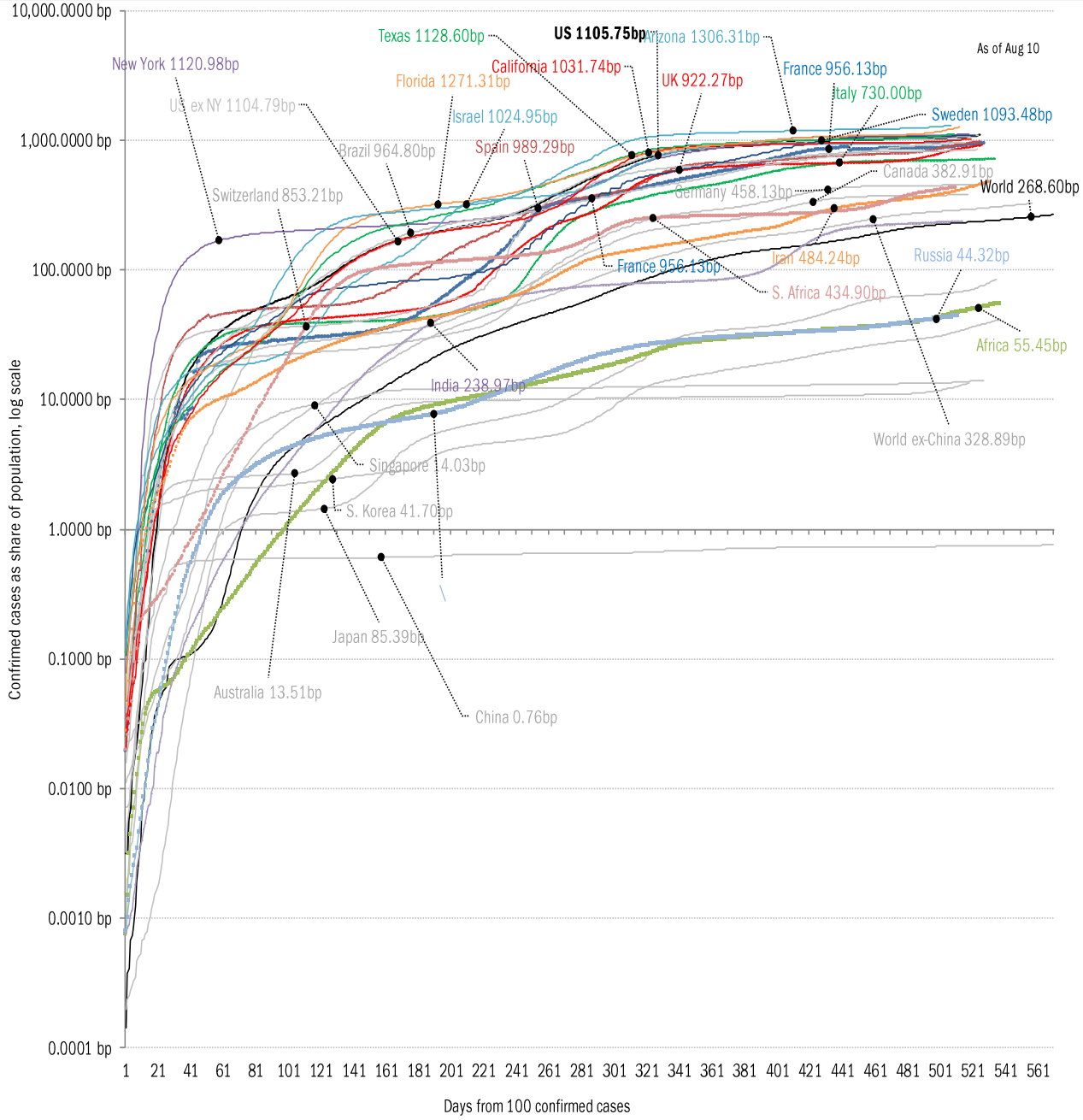
[Government Failure Gave the World Covid]
Casey B. Mulligan and Tomas J. Philipson
Wall Street Journal
August 9, 2021

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

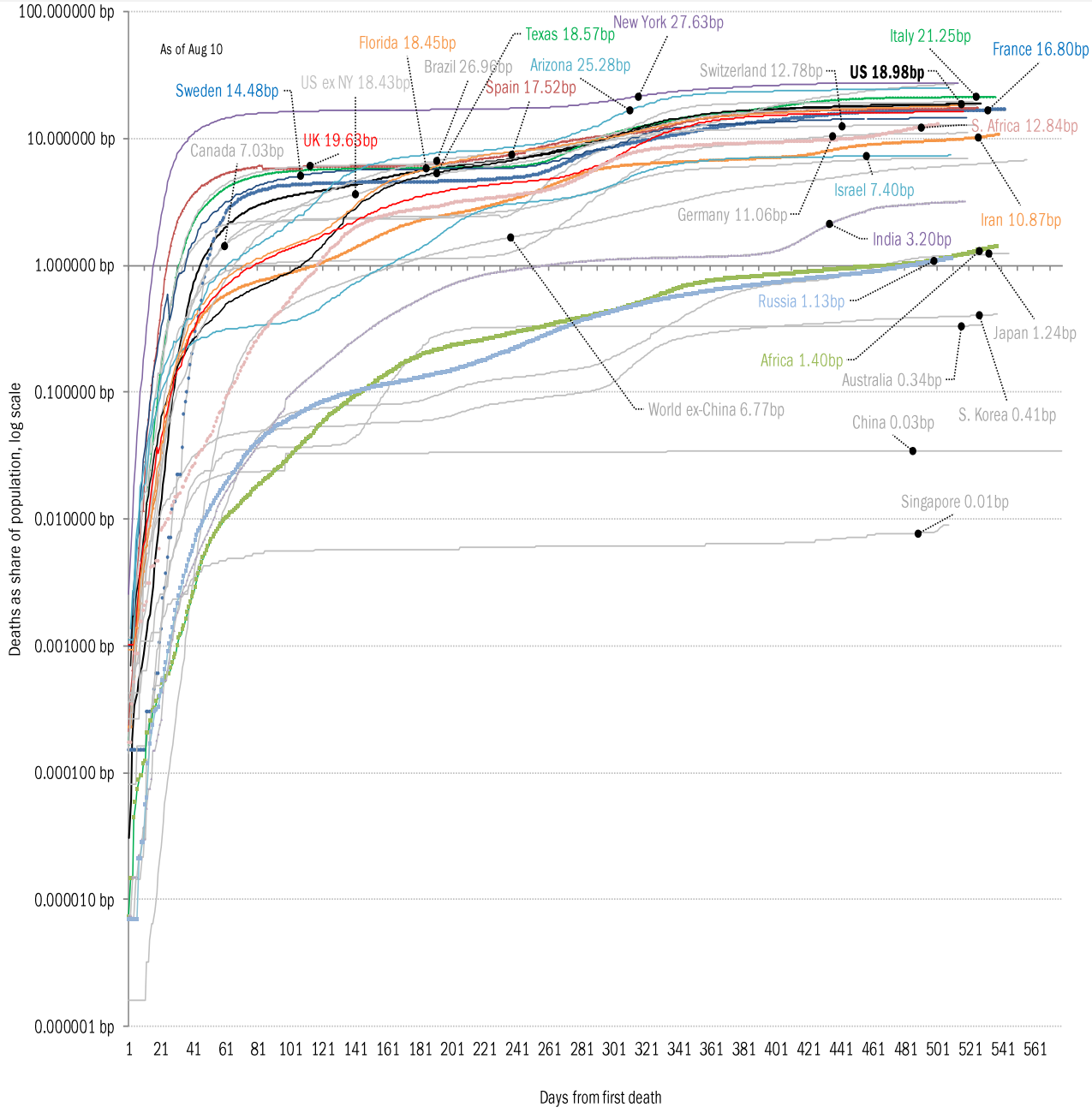
Share of infected population from first day with 100 confirmed cases, log scale



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

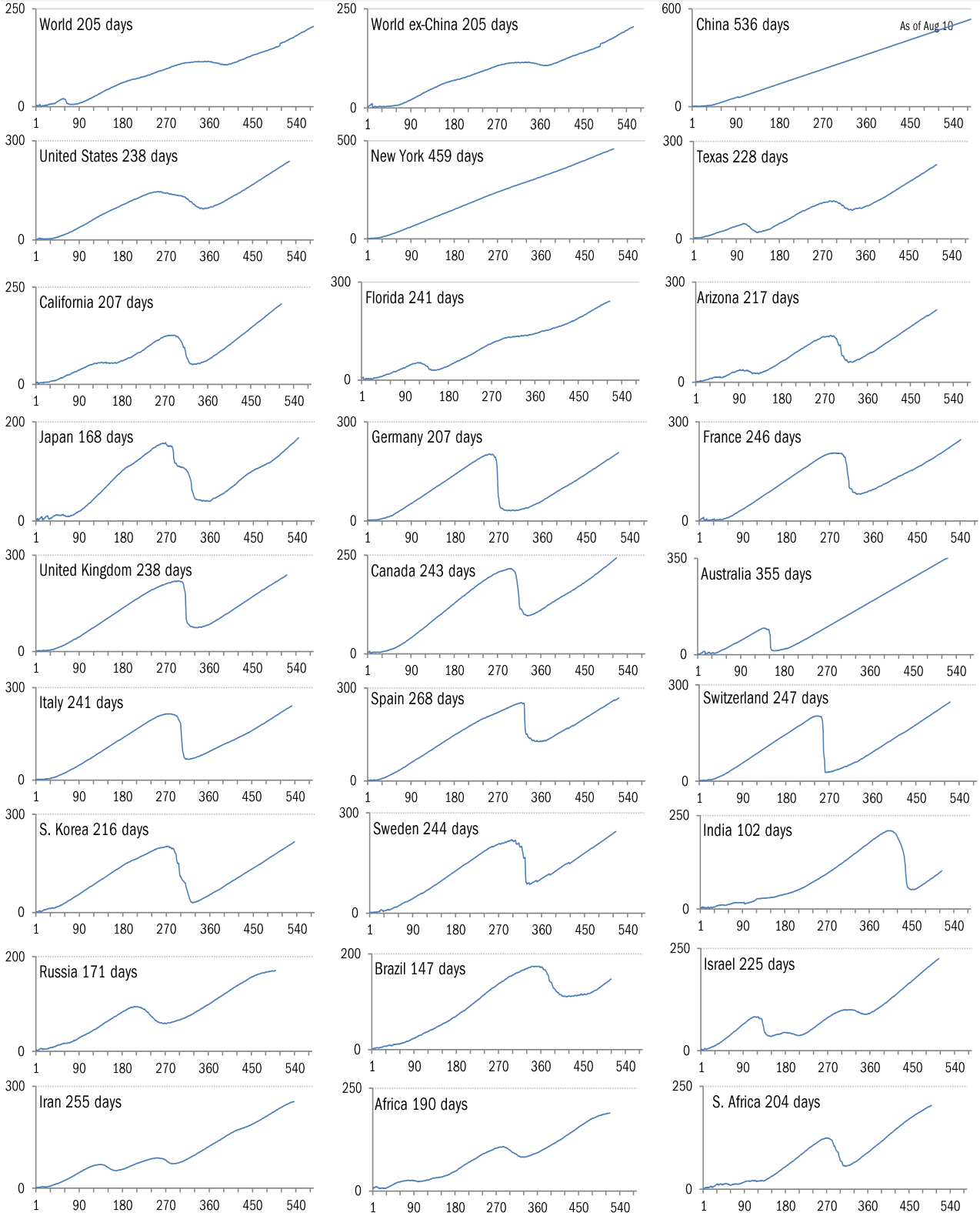


Source: Johns Hopkins, TrendMacro calculations

"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

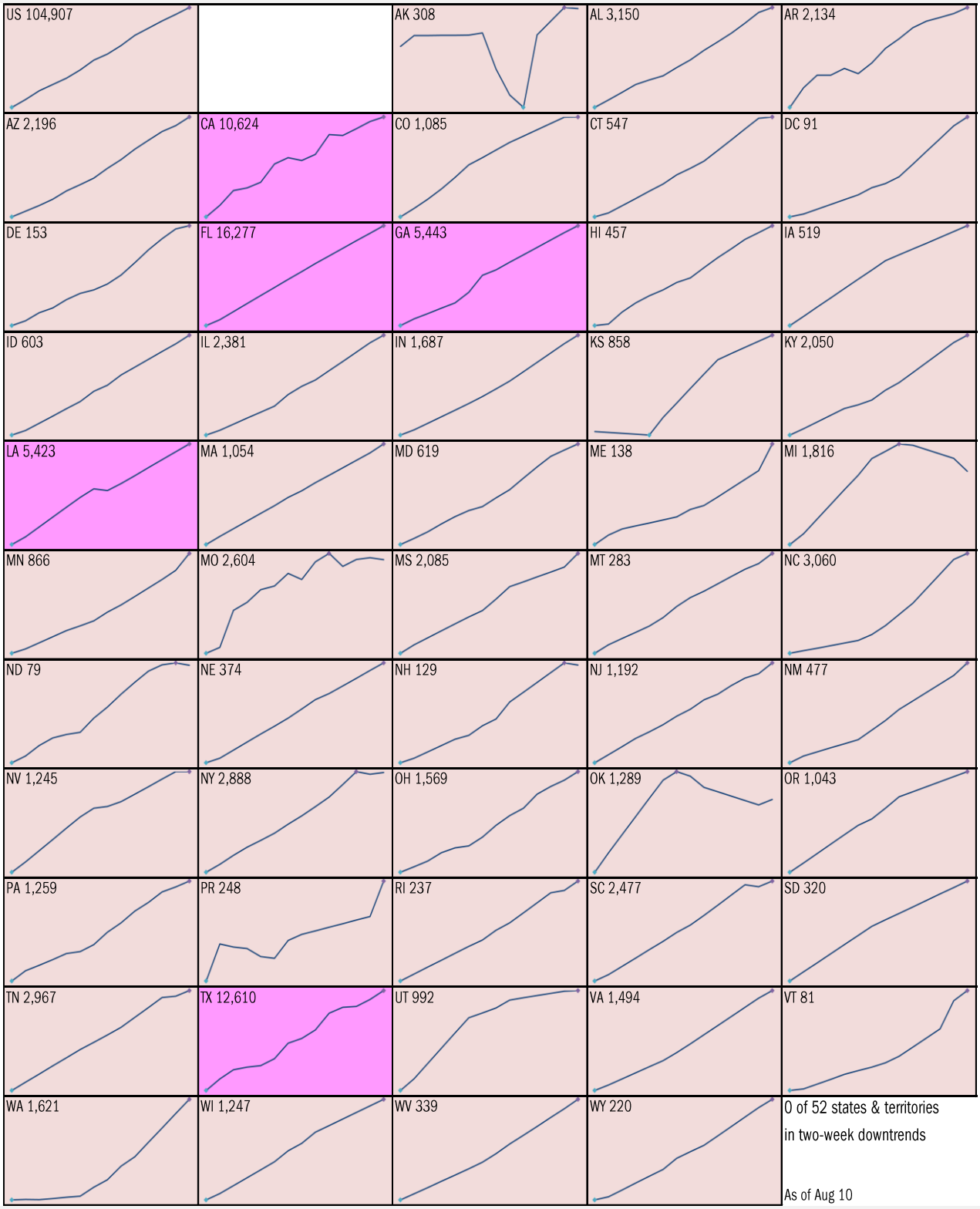


Source: Johns Hopkins, TrendMacro calculations

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

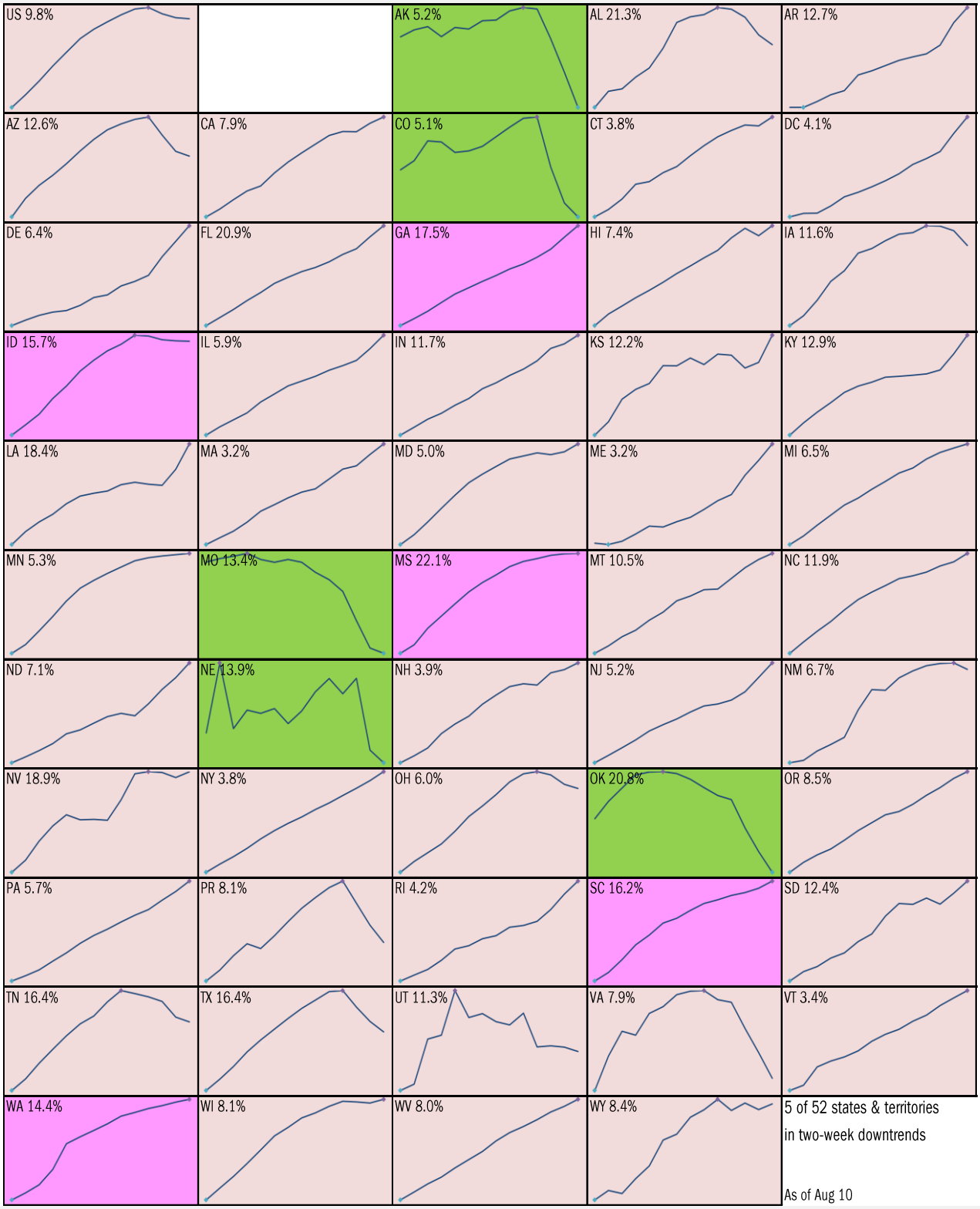


Source: Johns Hopkins, TrendMacro calculations

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

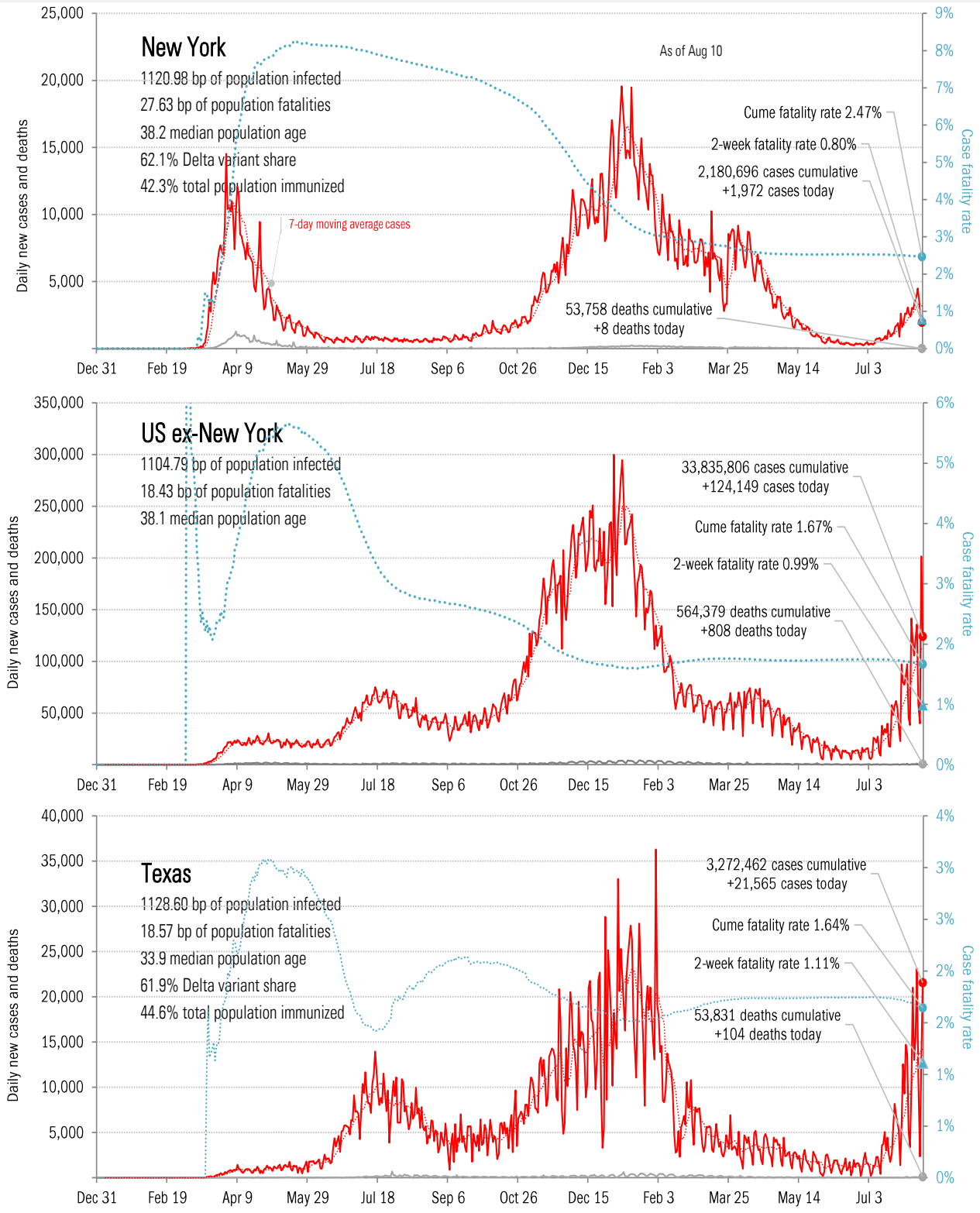
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



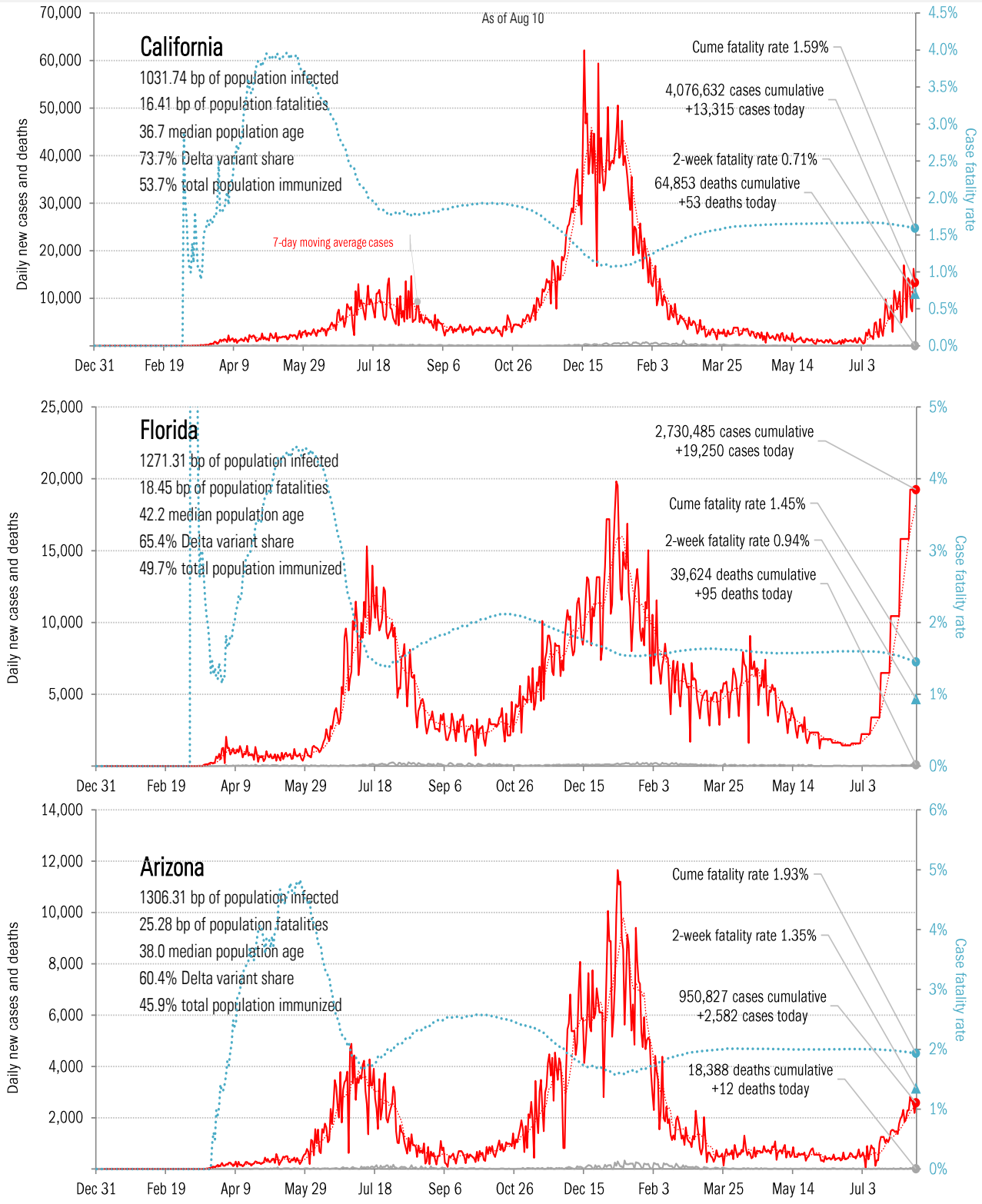
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande



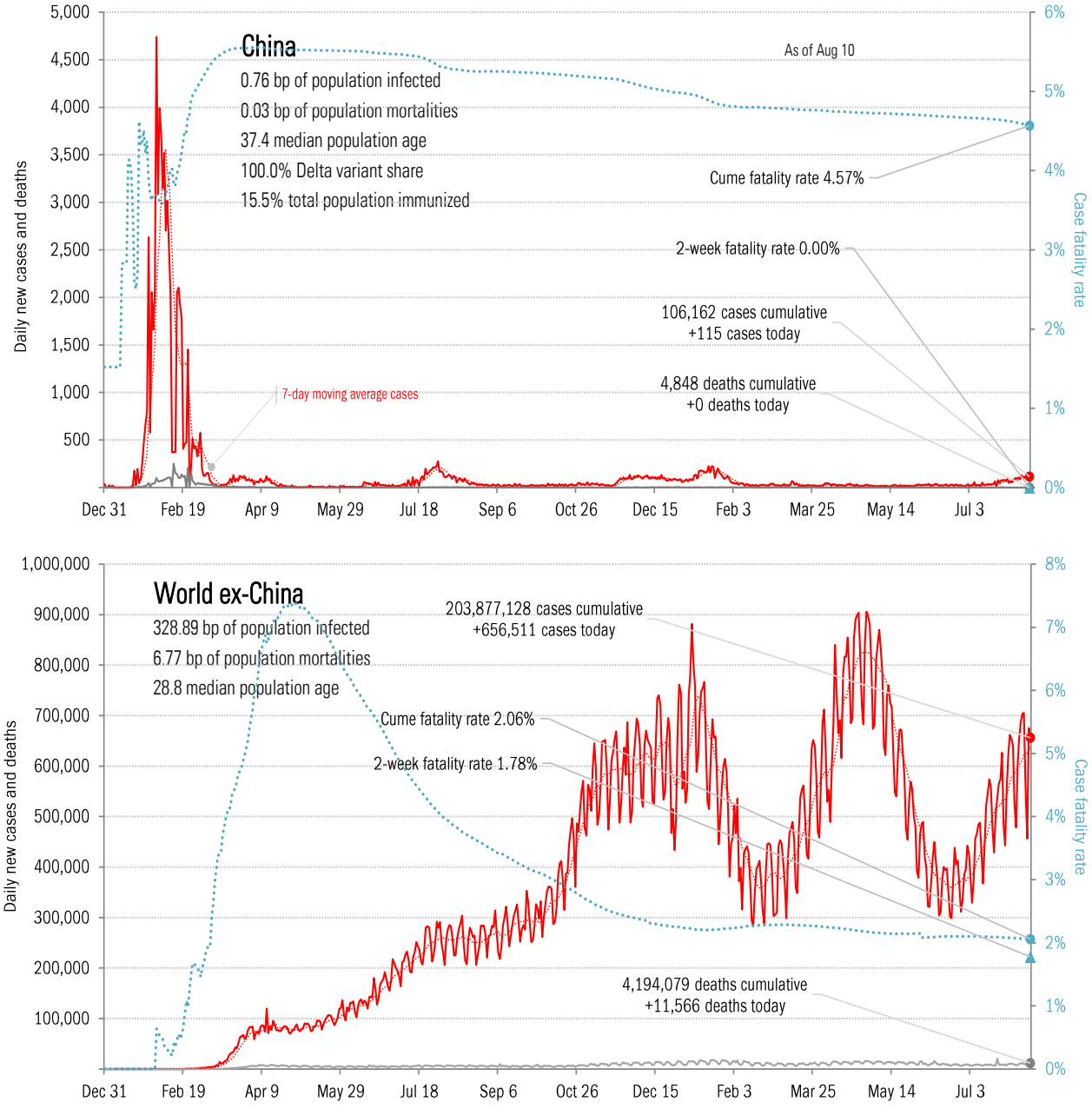
Source: Johns Hopkins, TrendMacro calculations

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



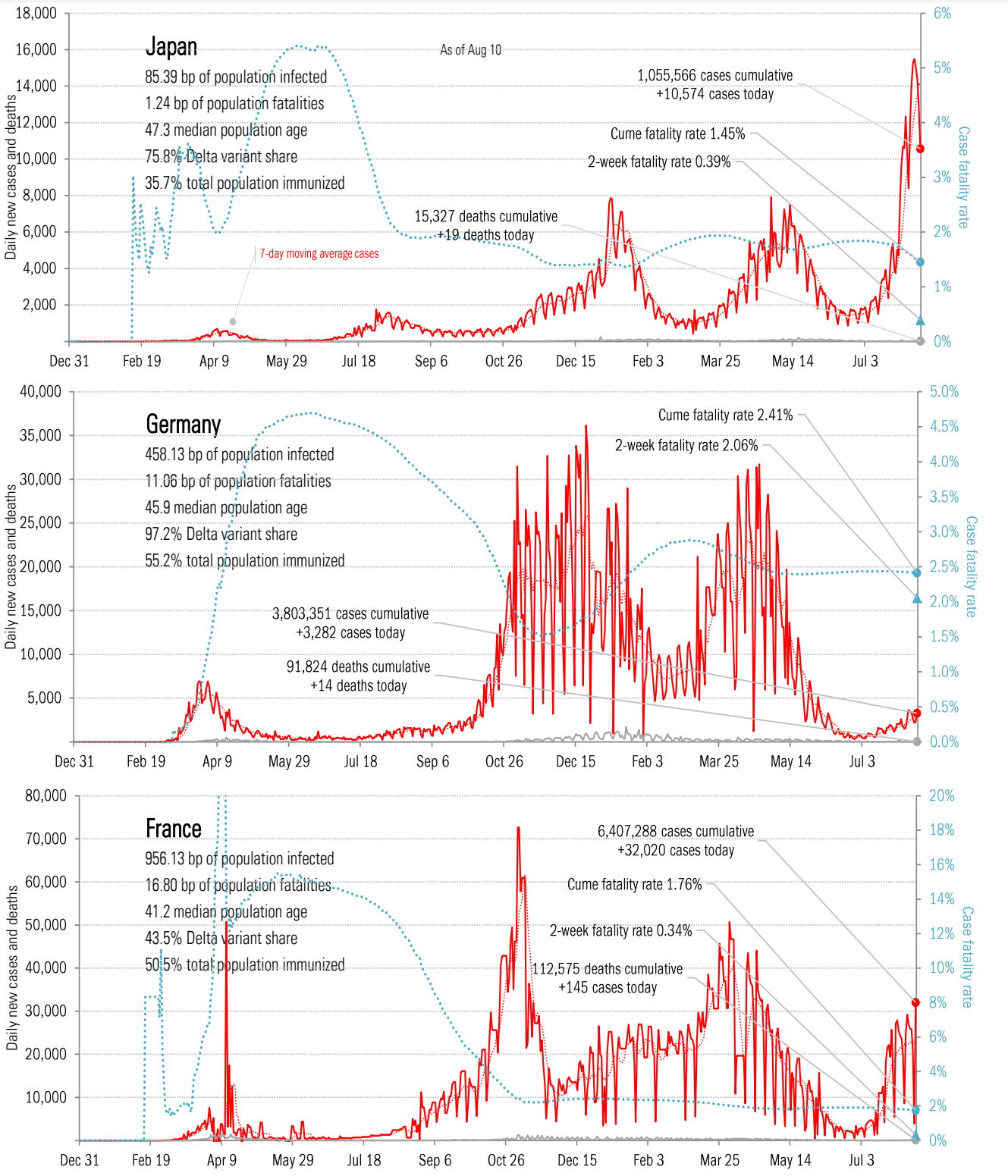
Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else



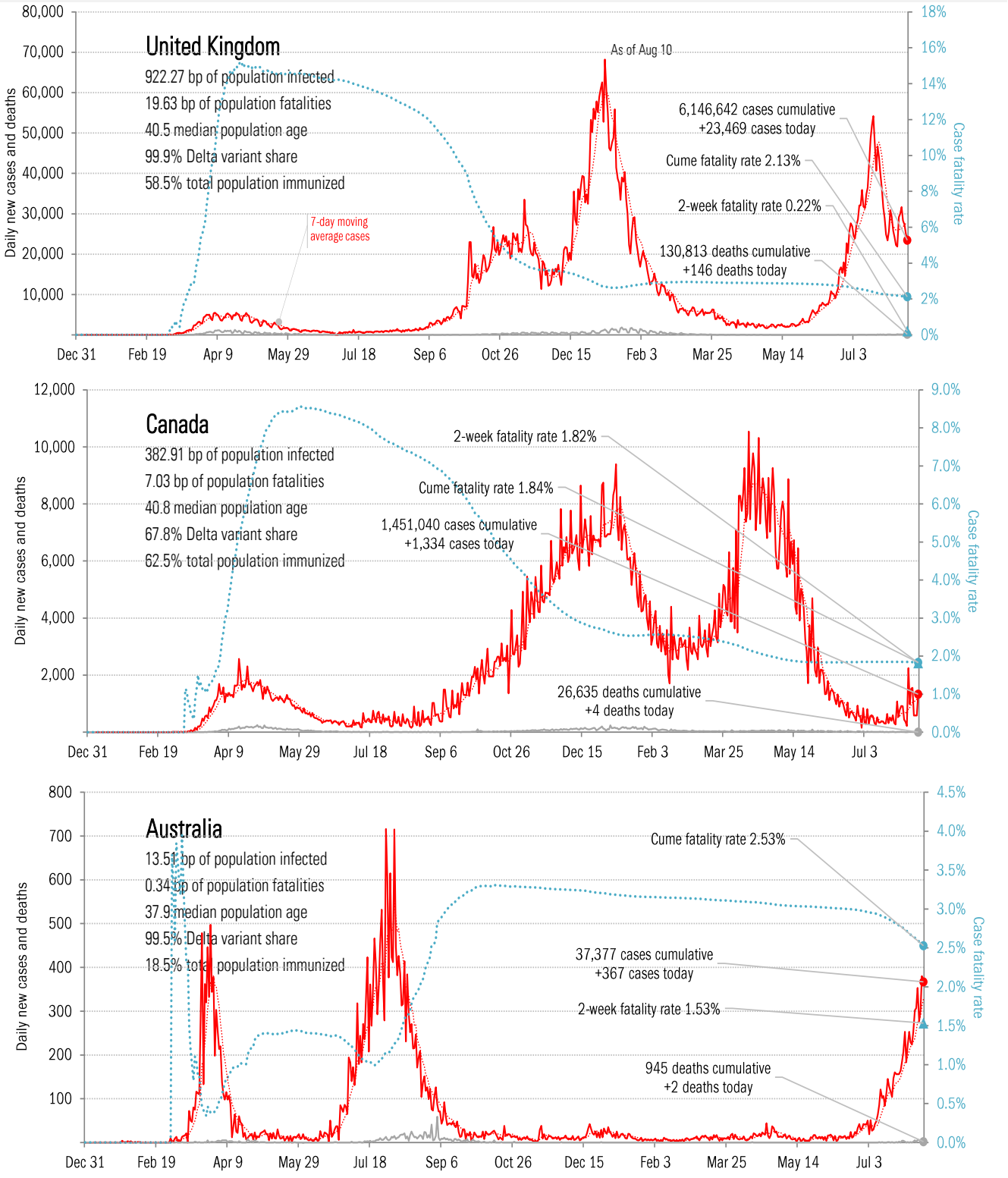
Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies



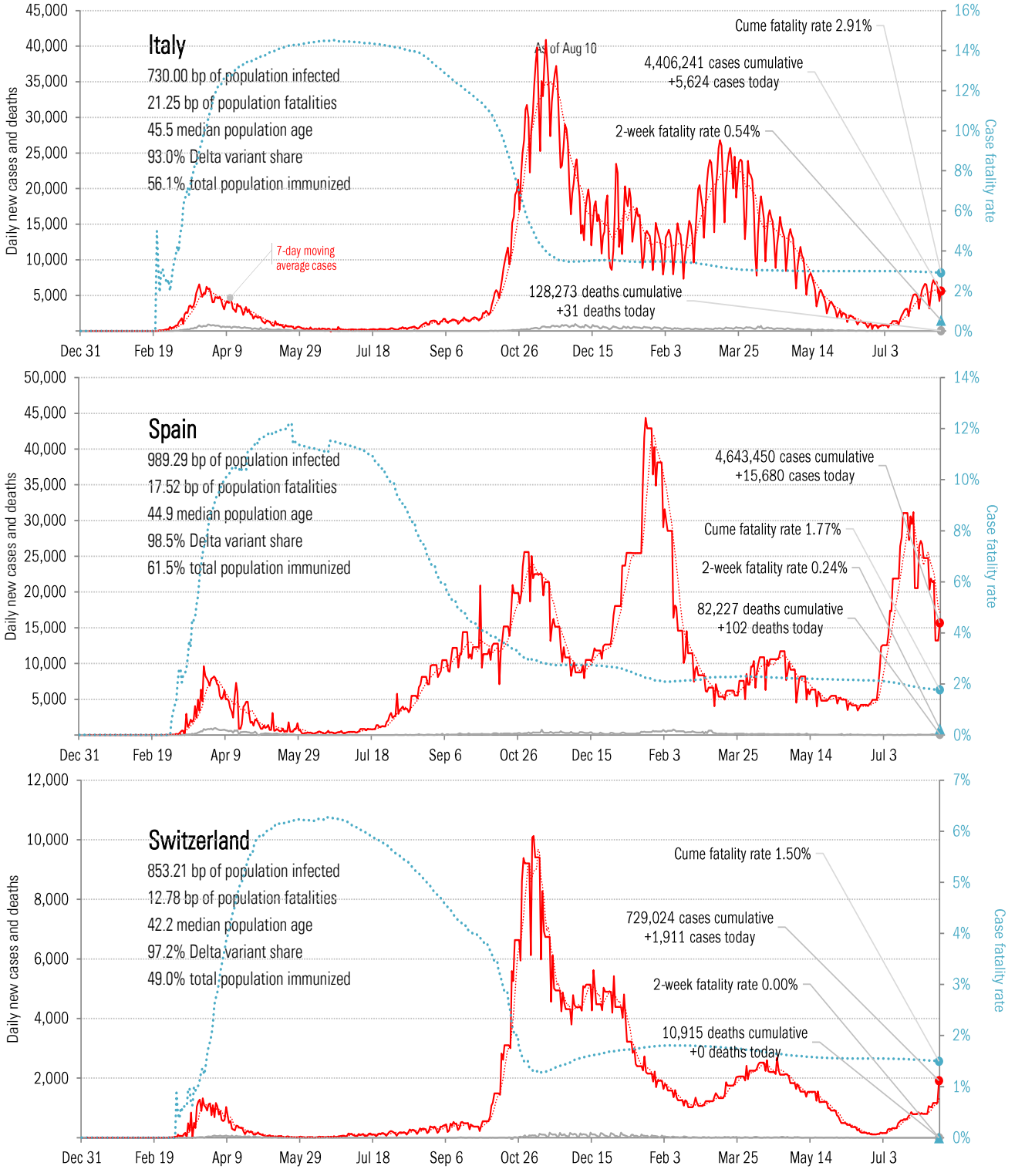
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



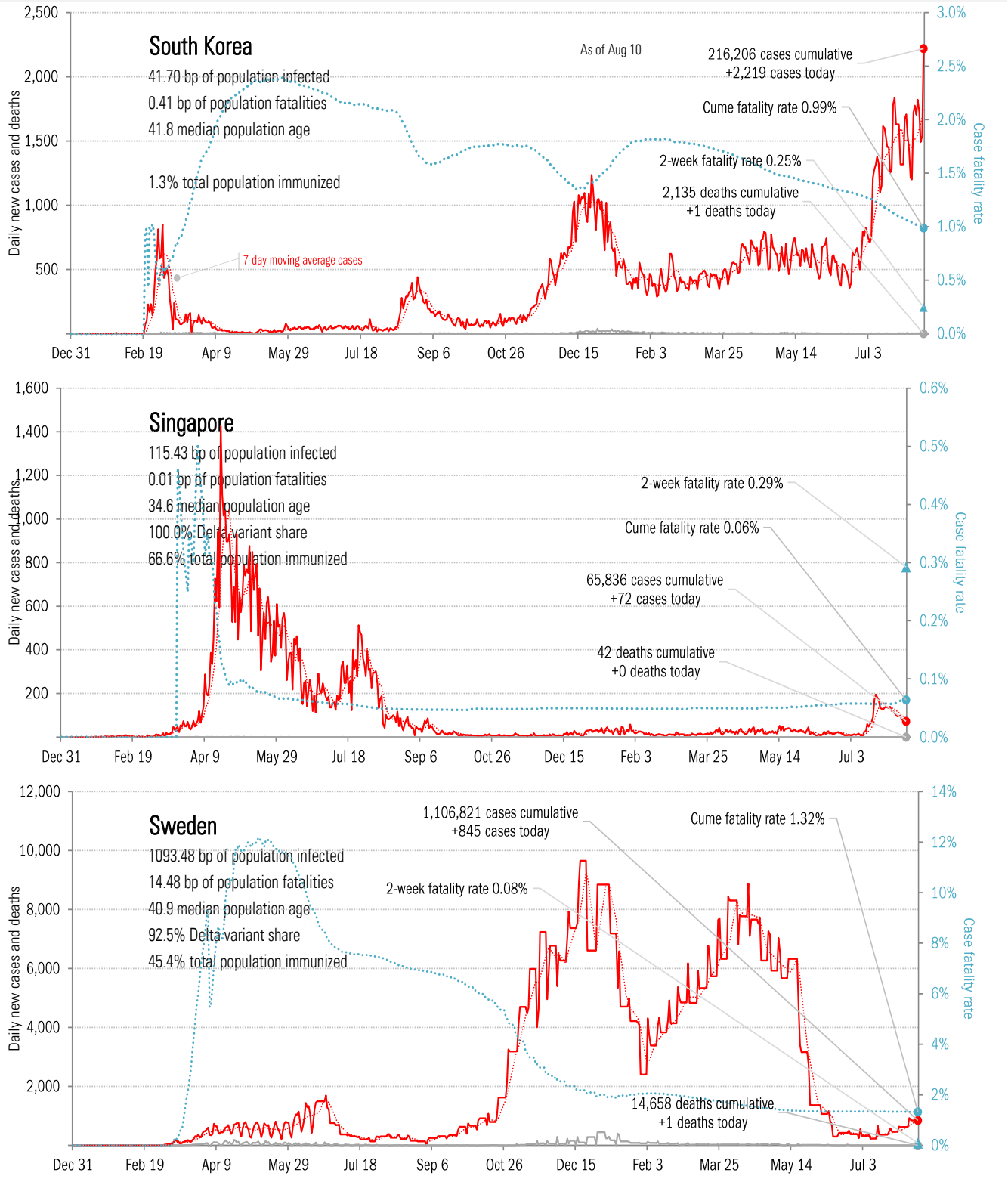
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



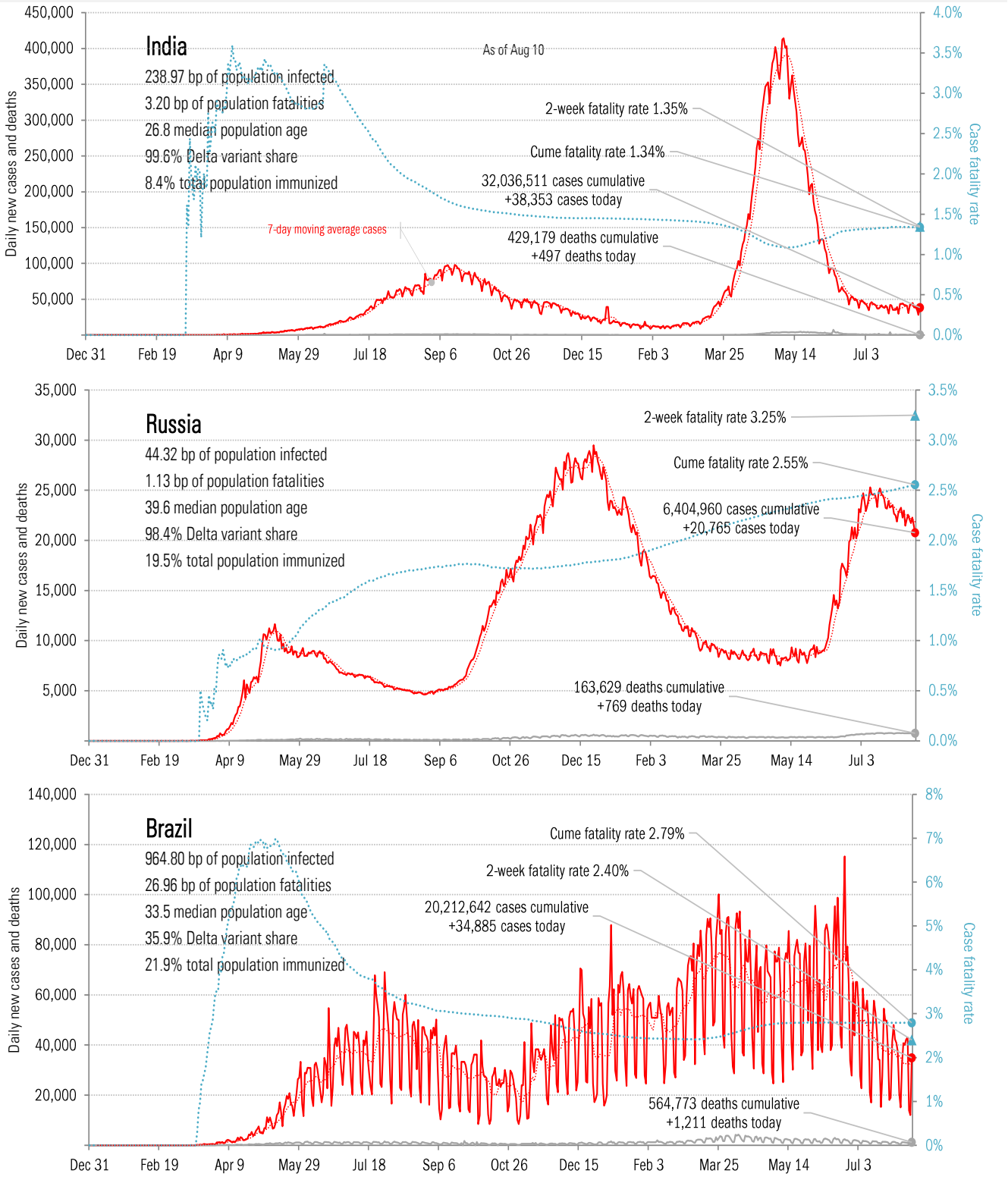
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



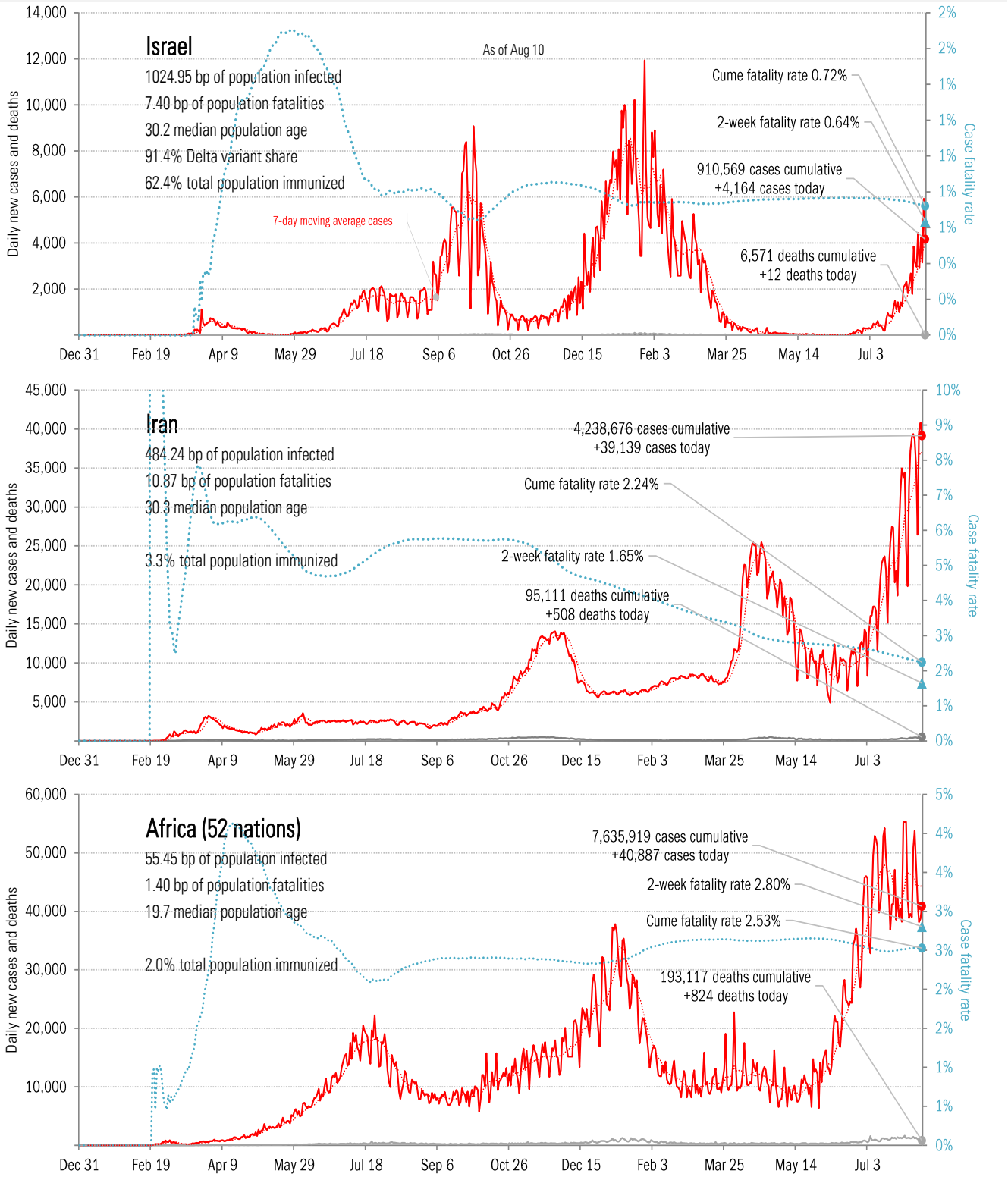
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



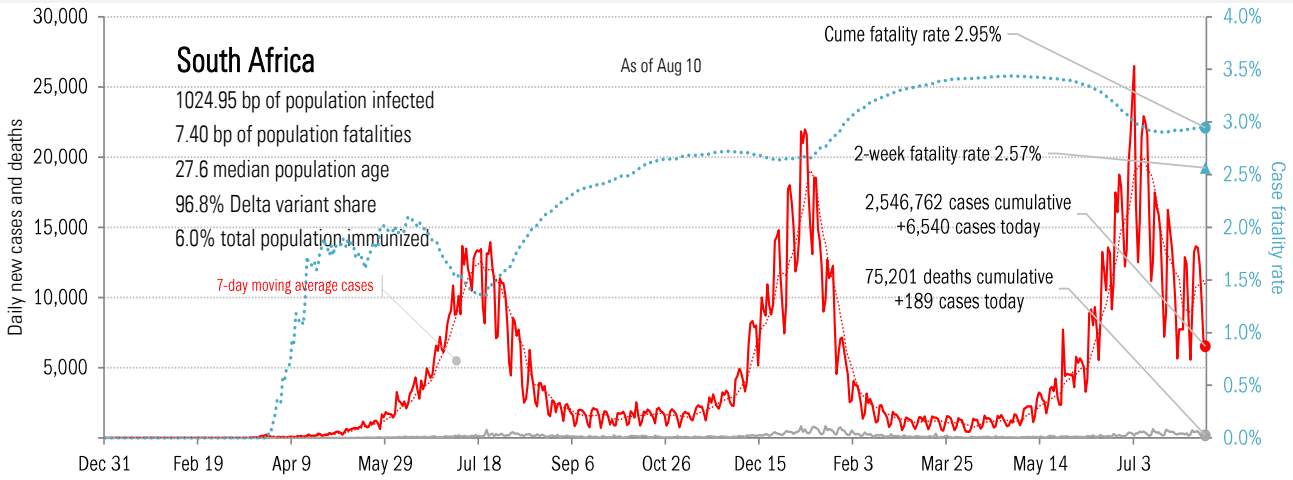
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations