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Data Insights: Covid-2019 Monitor

Wednesday, July 13, 2022

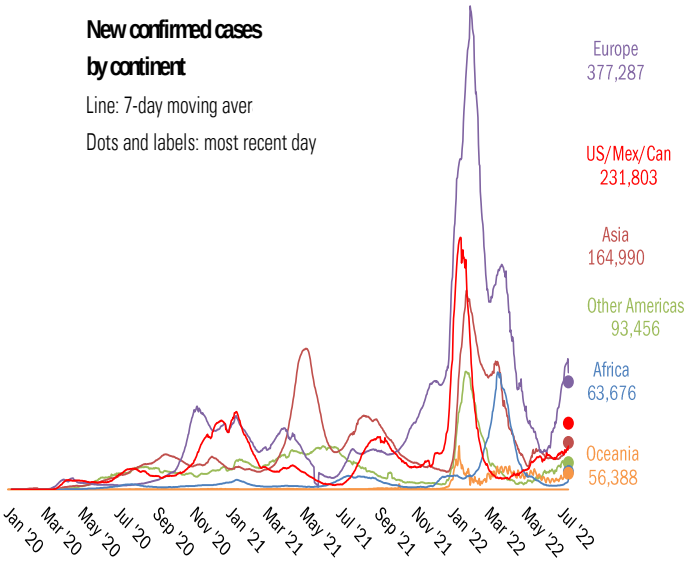
The global scorecard

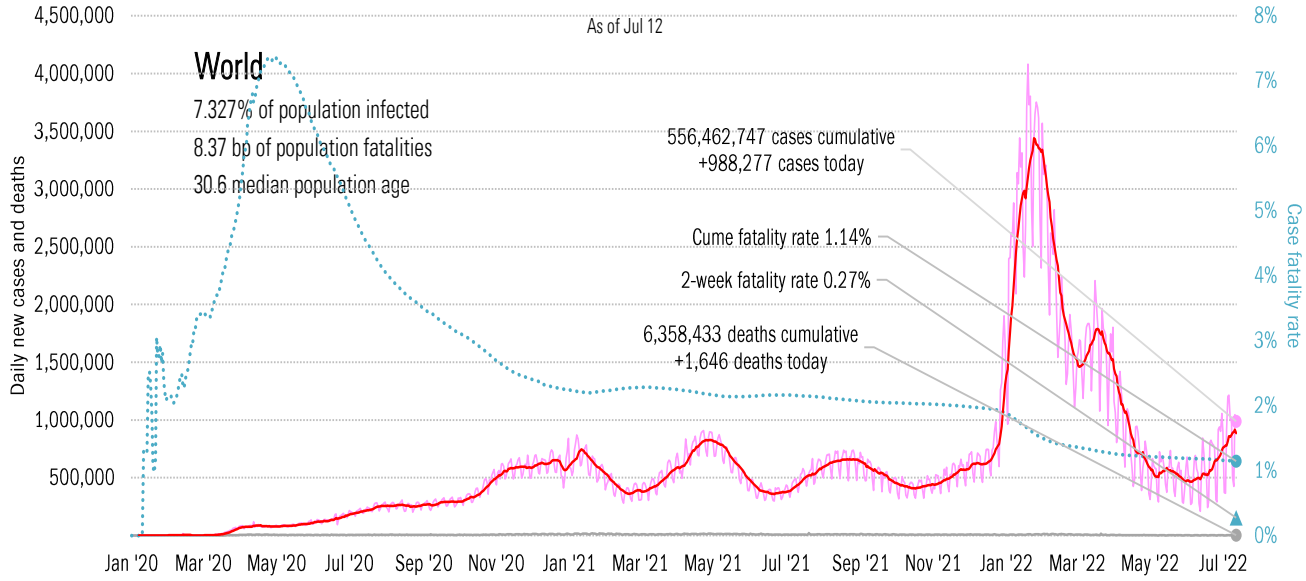
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	192,132	United States	546
France	183,633	Brazil	344
Italy	144,058	Spain	244
German		Italy	157
Japa		France	127
Braz		rmany	104
Spai		Mexico	92
Switzerland	55,982	Tunisia	75
Australia	44,415	Taiwan*	60
Korea, South	40,248	Australia	58
	987,331		1,807
World	988,277	World	1,646
Top ten	100%	Top ten	110%

Global case and fatality data distorted today due to revisions.





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

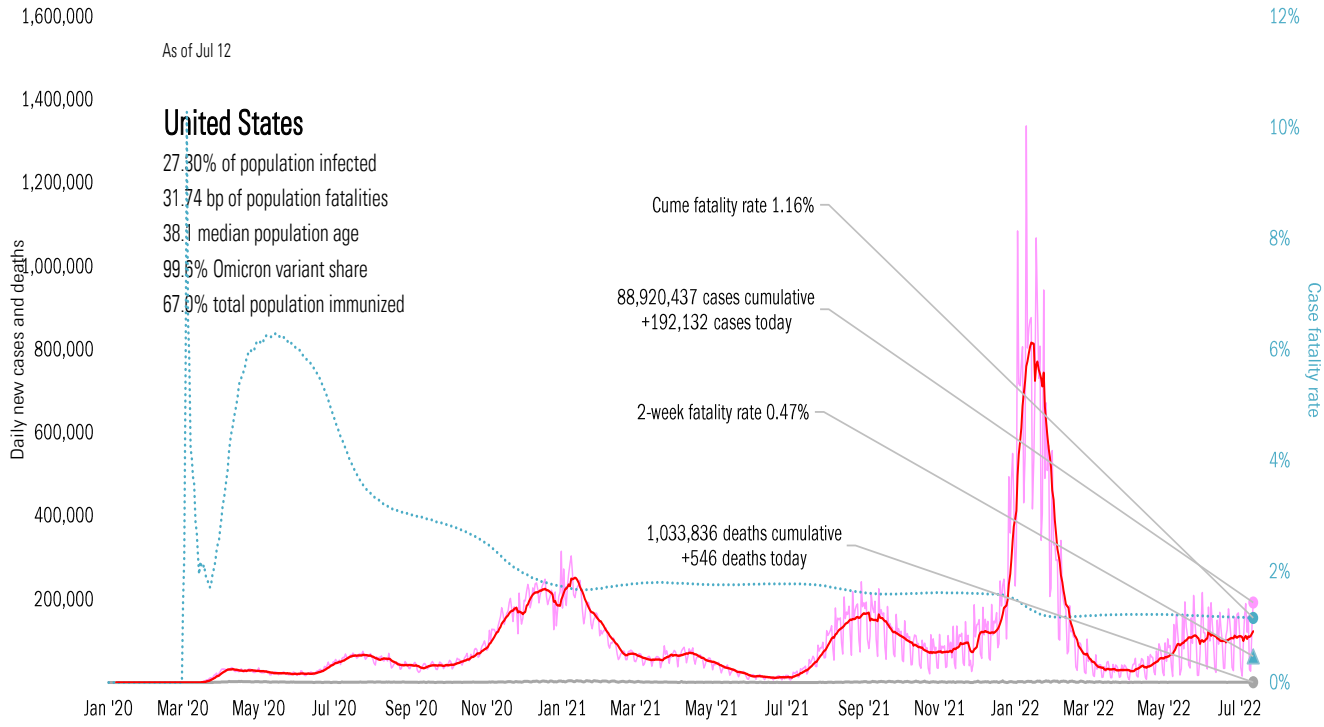
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	61,620	MI	160	NY	351	CA	10,360,542	CA	92,758	TX	510,558	RI	90%	TX	87%
MI	16,681	CA	74	CA	610	TX	7,323,878	TX	88,883	CA	457,823	WA	84%	DE	83%
TX	13,496	FL	53	PA	180	FL	6,572,836	FL	76,397	FL	451,168	MA	84%	AL	81%
SC	13,446	NY	45	TX	527	NY	5,689,878	NY	69,868	NY	274,582	MN	83%	RI	81%
NY	10,425	TX	24	GA	191	IL	3,480,965	PA	45,821	GA	211,888	GA	82%	NC	79%
FL	9,266	CT	23	MO	120	PA	3,020,356	OH	38,920	OH	201,684	DE	82%	WA	78%
OK	7,849	NM	18	FL	627	NC	2,892,680	IL	38,686	PA	188,776	MO	81%	NE	78%
TN	6,488	IL	15	LA	122	OH	2,867,291	GA	38,685	IL	170,853	MD	81%	DC	77%
IL	6,075	MD	14	MI	115	GA	2,667,557	MI	37,142	MI	151,167	DC	79%	NV	77%
NJ	4,437	MS	14	SC	82	MI	2,636,214	NJ	34,126	KY	137,022	WV	79%	OR	77%
	149,783		440		2,925		47,512,197		561,286		2,755,521				
All states	192,132		546		5,358	All states	88,920,437		1,033,836		5,003,916	All states	70%		67%
Top ten	78%		81%		55%	Top ten	53%		55%		55%	Median	73%		70%

Some states not reporting

Five most improved US states

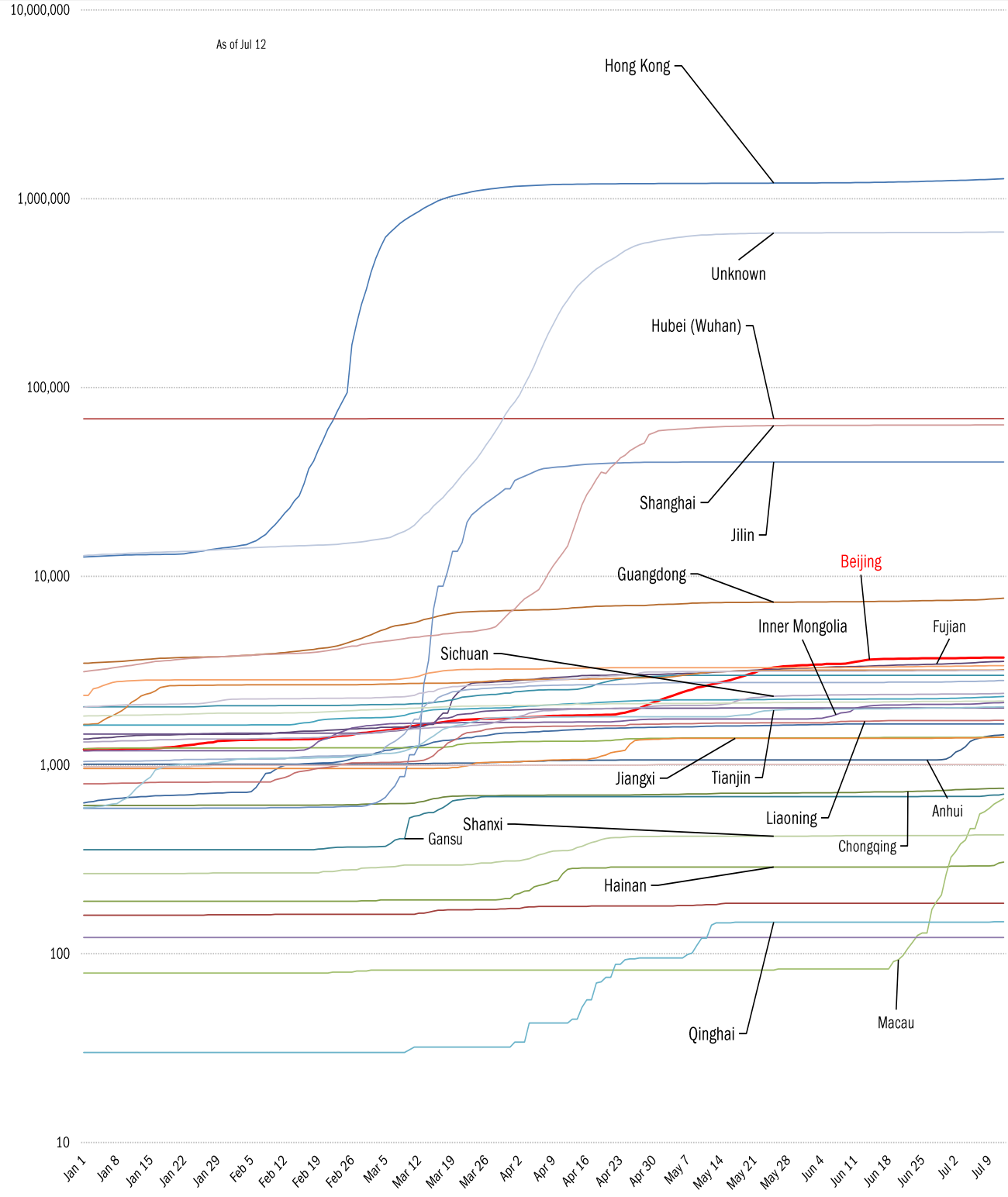
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
WA	-7,336	FL	-97	IN	-36	VA	+705 bp
IL	-5,867	WV	-22	TX	-34	TN	+662 bp
VA	-4,592	WA	-18	MD	-23	LA	+541 bp
KY	-3,921	IN	-14	IL	-21	AR	+537 bp
IN	-3,485	MO	-5	NM	-19	IN	+532 bp



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

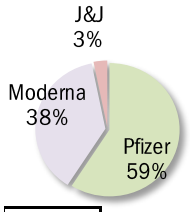
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	612,676,095				+0.208 million
of which boosters	108,590,845				+0.050 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	268,330,668	80%	228,738,120	68%	+0.028 million
Age 12 to 17	17,958,024	71%	15,363,062	61%	+0.003 million
Age 18 to 64	179,904,326	88%	152,678,815	75%	+0.015 million
Age 65 and over	59,439,014	100%	51,975,143	95%	+0.005 million

Immunity	Full	Partial
US	67.0%	78.4%
UK	73.6%	78.6%
France	78.5%	80.8%
Spain	86.8%	88.3%
Germany	75.5%	77.1%
Italy	79.4%	84.2%
Australia	84.1%	86.7%
Israel	66.2%	72.3%
Canada	82.6%	86.1%
Japan	81.2%	82.3%
Africa	19.8%	25.2%
India	65.9%	73.0%
Brazil	79.1%	86.4%
China	87.3%	89.6%

Global data differs due to sources, timing



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

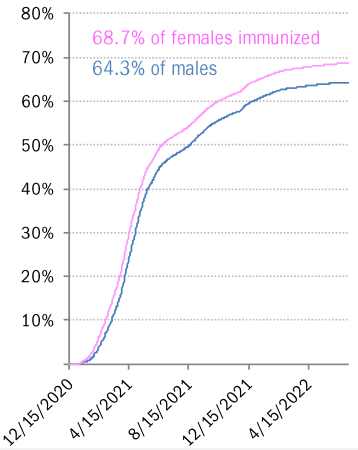
"Immunity" = two doses

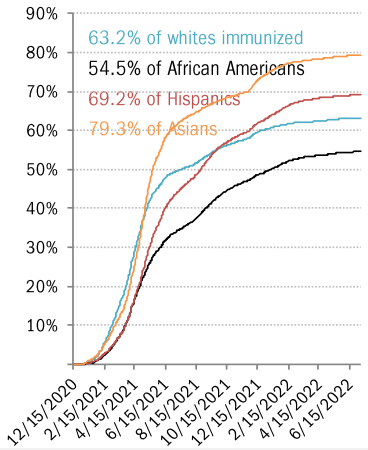
Best
Middle
Worst

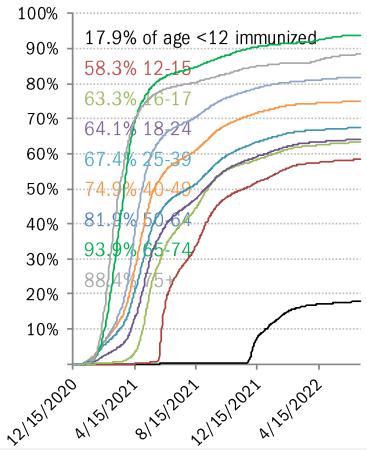
As of Jul 7

					WI					ME
					72.5%					92.2%
					66.2%					80.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
81.8%	62.4%	65.9%	66.3%	75.9%	76.4%	67.5%		91.2%	94.8%	89.7%
73.0%	55.9%	57.4%	56.1%	69.8%	69.1%	60.7%		77.9%	82.0%	71.7%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.7%	76.2%	58.7%	77.9%	68.5%	62.7%	63.8%	86.3%	91.5%	95.0%	
70.3%	61.5%	51.4%	62.7%	62.5%	56.5%	58.8%	69.7%	76.5%	80.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.1%	72.8%	80.4%	71.0%	66.9%	66.8%	65.6%	86.9%	87.8%	95.0%	95.0%
72.9%	64.8%	70.9%	64.1%	56.7%	57.9%	58.2%	73.9%	76.5%	80.2%	83.8%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	74.4%	89.2%	73.3%	67.5%	62.8%	86.0%	68.5%	95.0%	84.3%	
	62.5%	72.1%	62.6%	55.1%	55.0%	62.6%	57.7%	76.3%	70.2%	
			OK	LA	MS	AL	GA			
			71.9%	61.6%	60.2%	63.3%	66.2%			
			58.0%	54.0%	52.3%	51.6%	55.5%			
HI			TX					FL		PR
88.6%			74.5%					80.2%		95.0%
79.1%			62.4%					67.7%		83.7%

The demographics of US vaccination



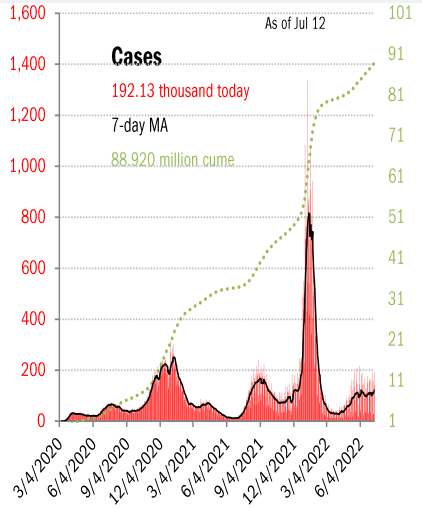


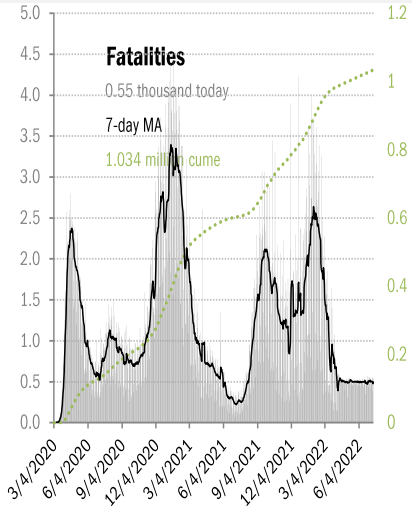


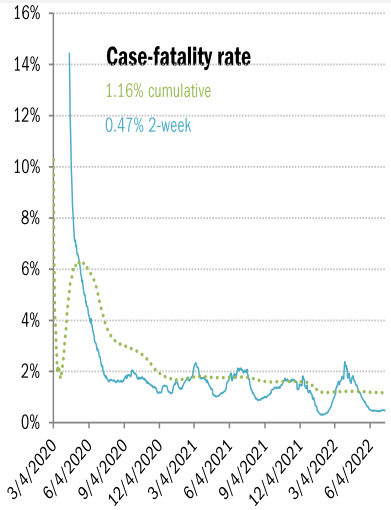
Source: CDC, CDC, Our World in Data, TrendMacro calculations

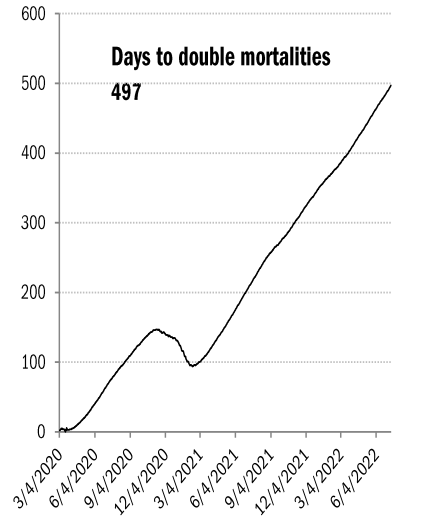
US deep-dive

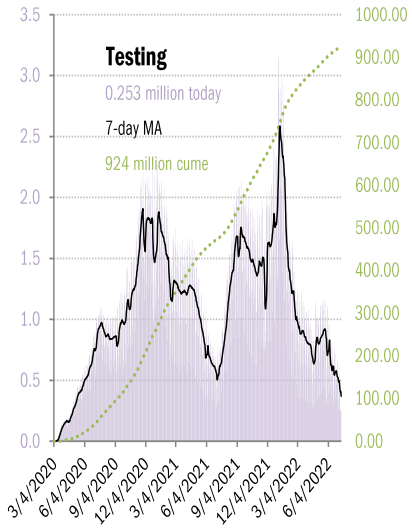
National and state-by-state data do not line up because of different sources

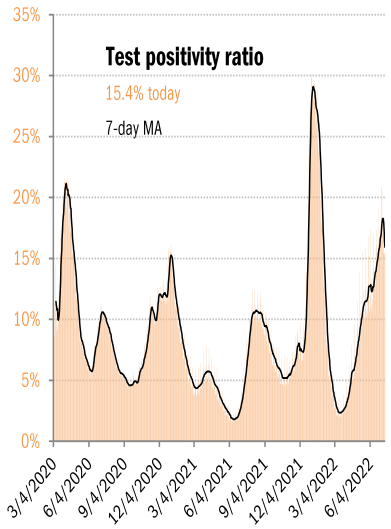


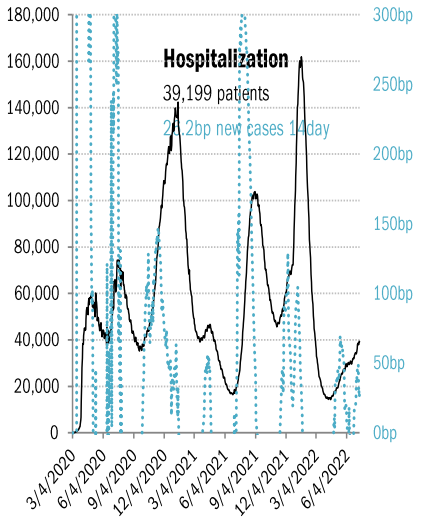


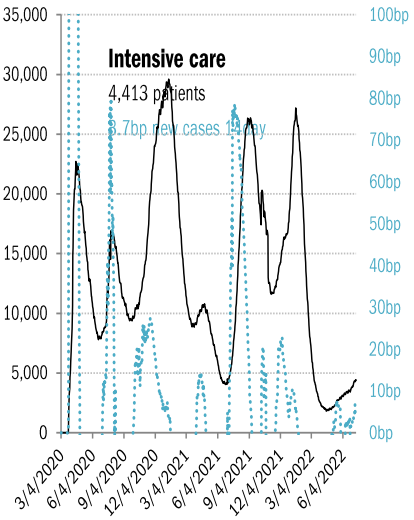


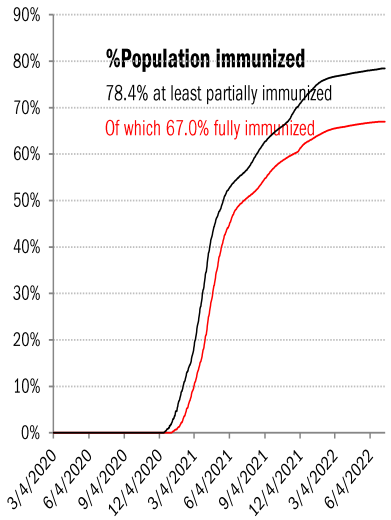












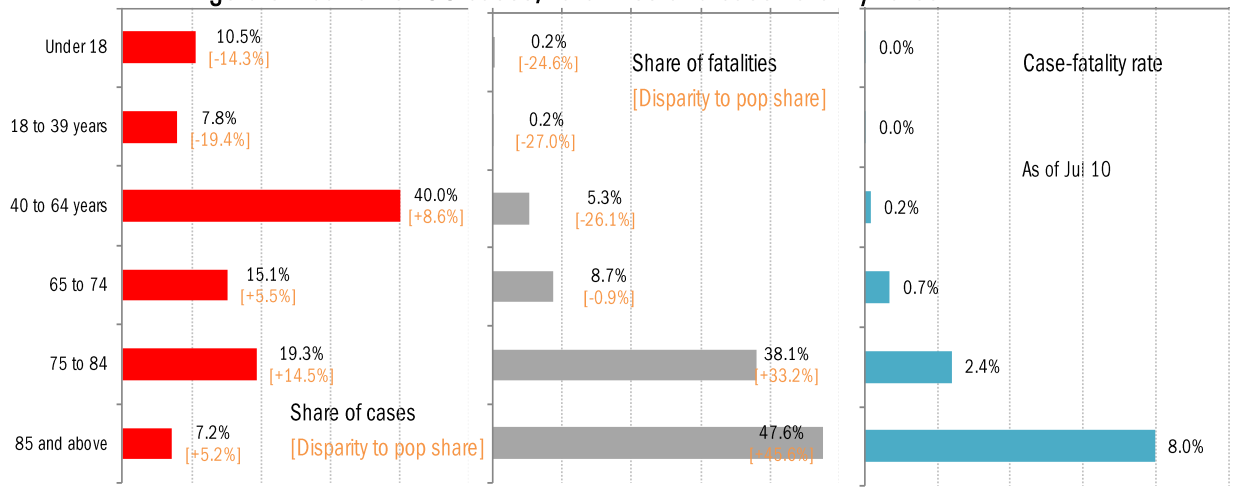
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

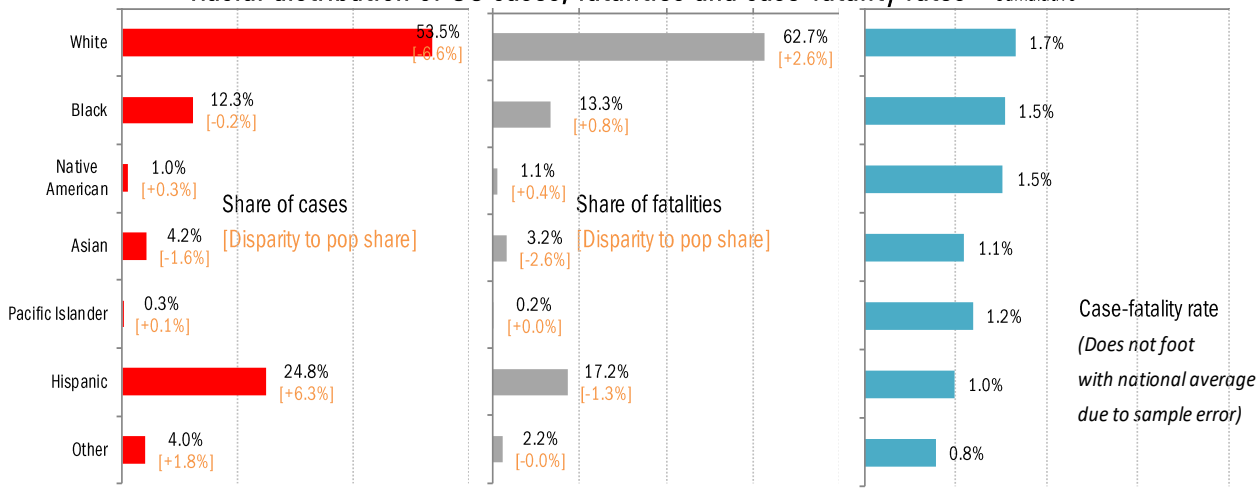
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



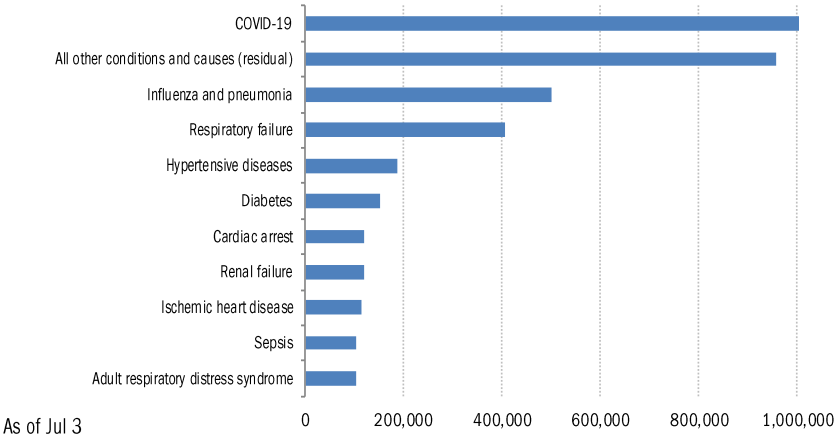
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jul 3

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.

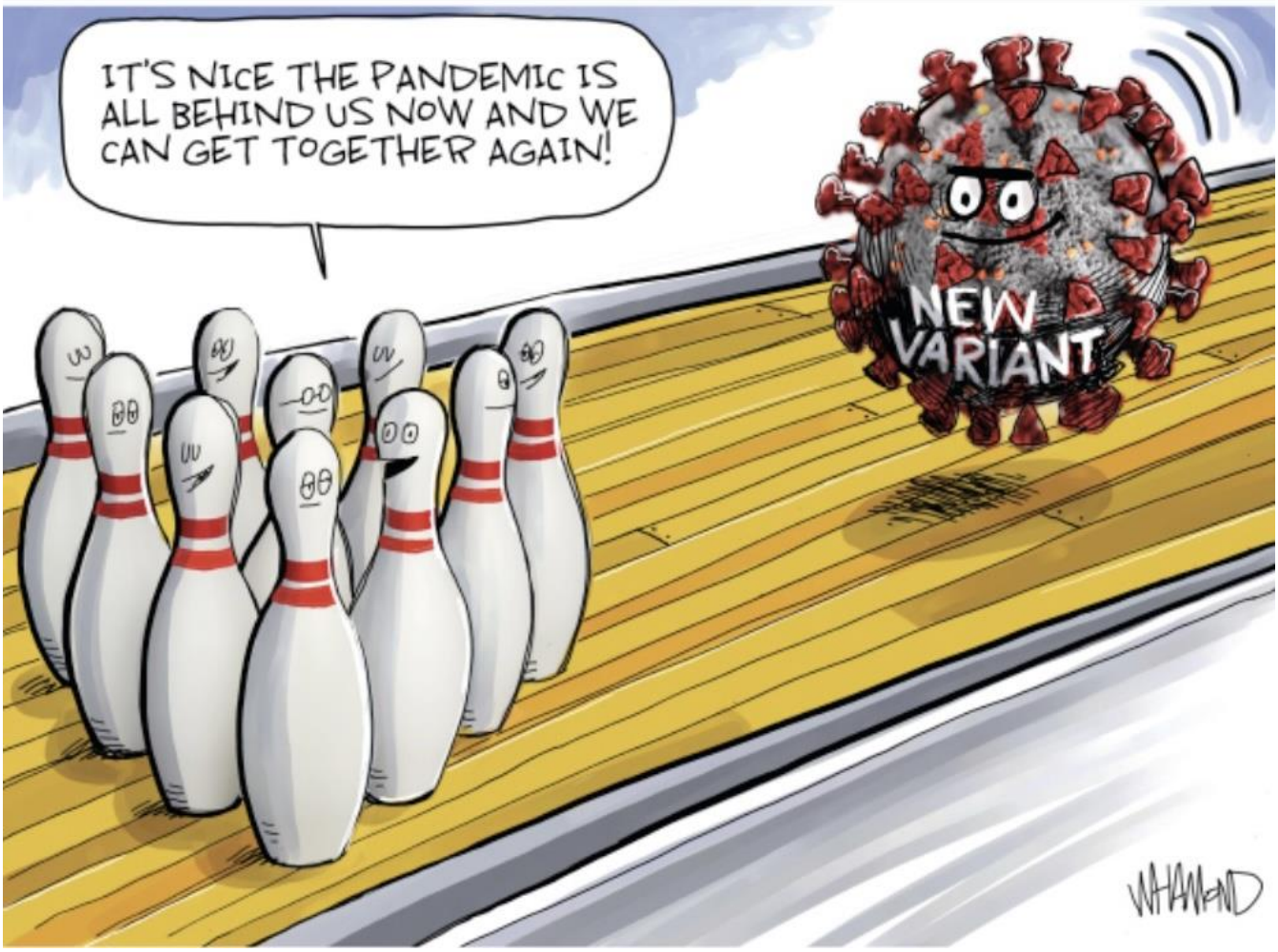
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

CONFLICTED MUCH? – World Economic Forum 'Anti-Corruption' Champion Is Pfizer Director AND Reuters CEO.
Natalie Winters
National Pulse
July 8, 2022

We can make COVID-19 the last pandemic
Bill Gates
TED 2022
April 22, 2022

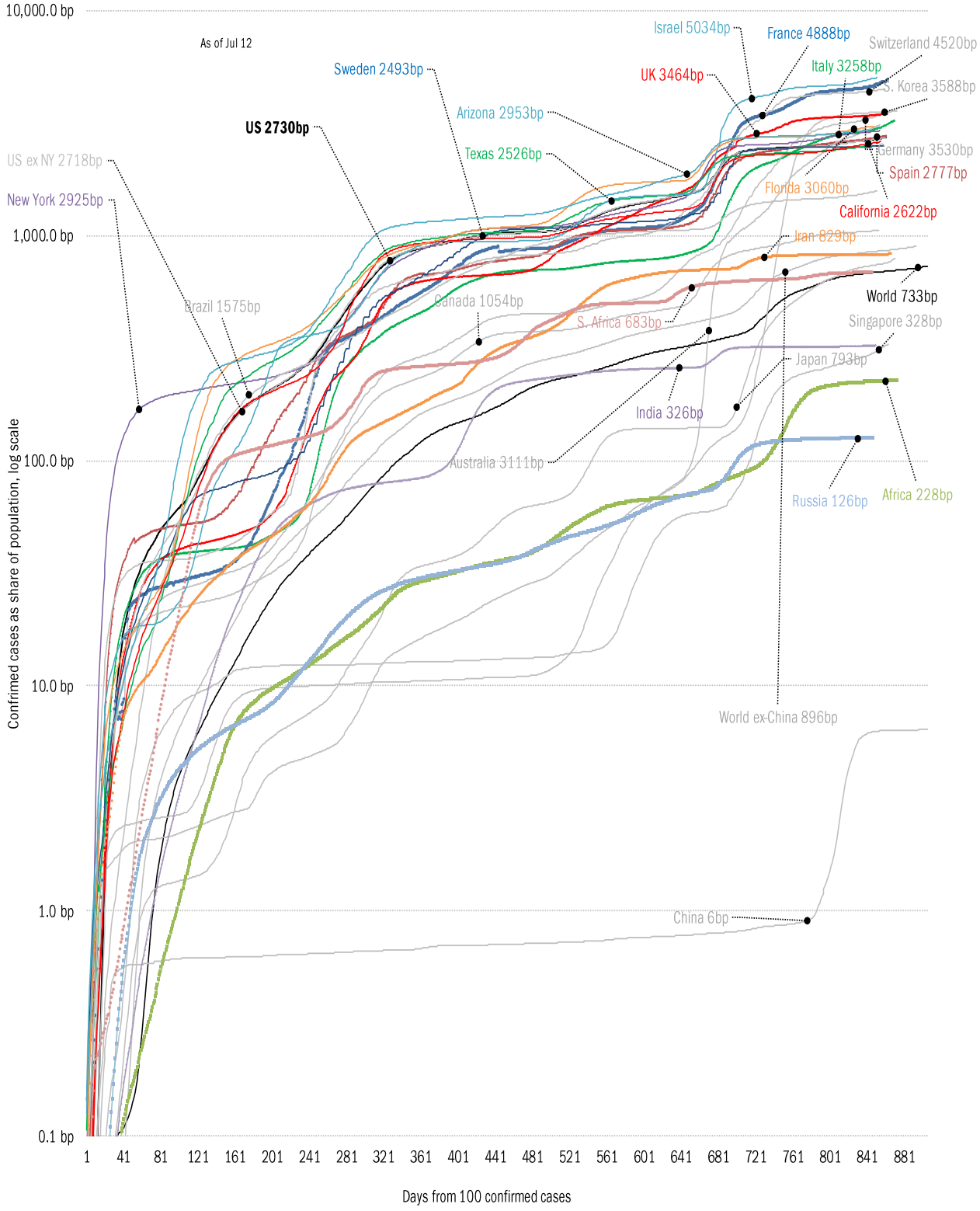
Meme of the day



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

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

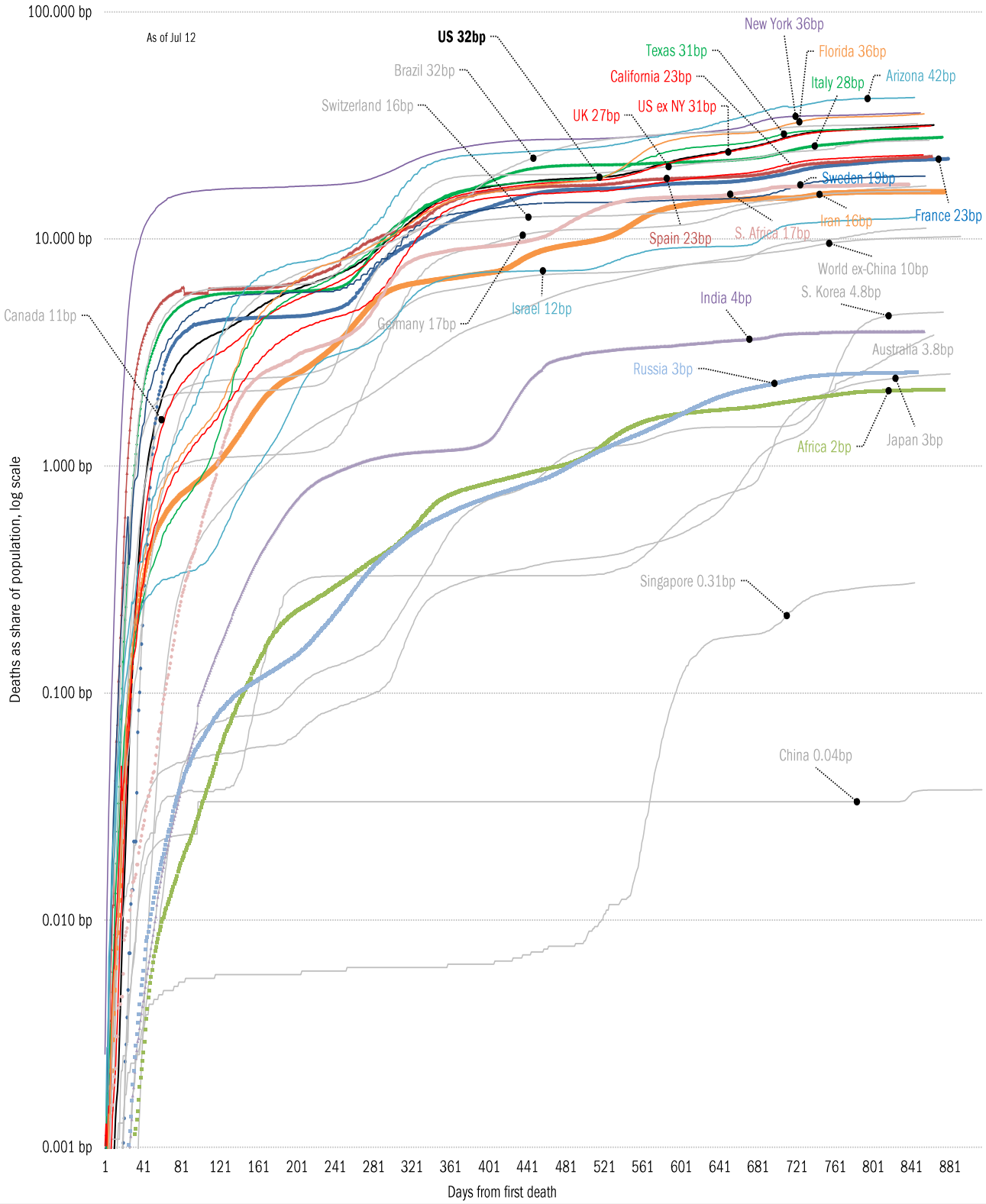
Share of infected population from first day with 100 confirmed cases, log scale



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

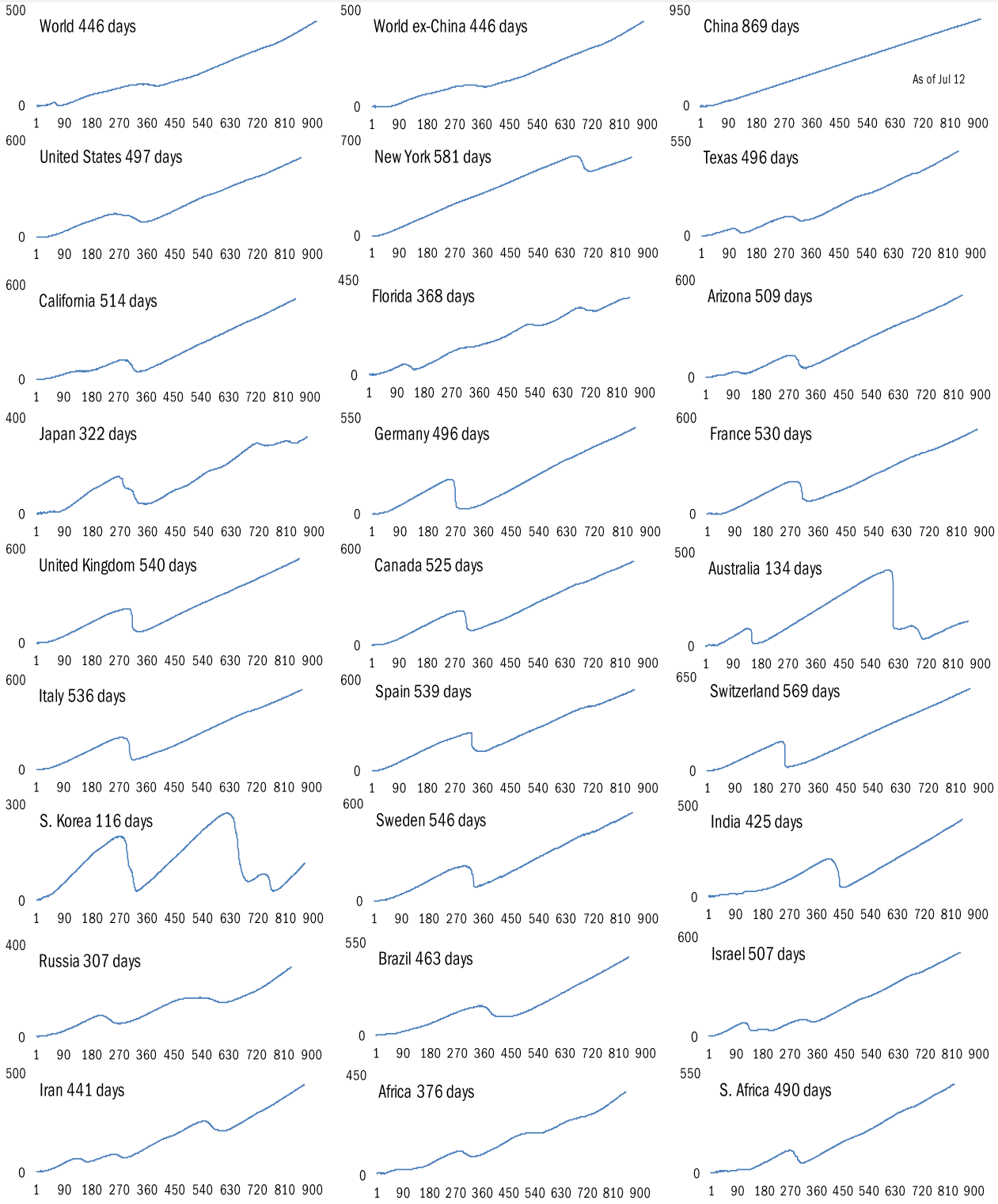


Source: Johns Hopkins, TrendMacro calculations

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

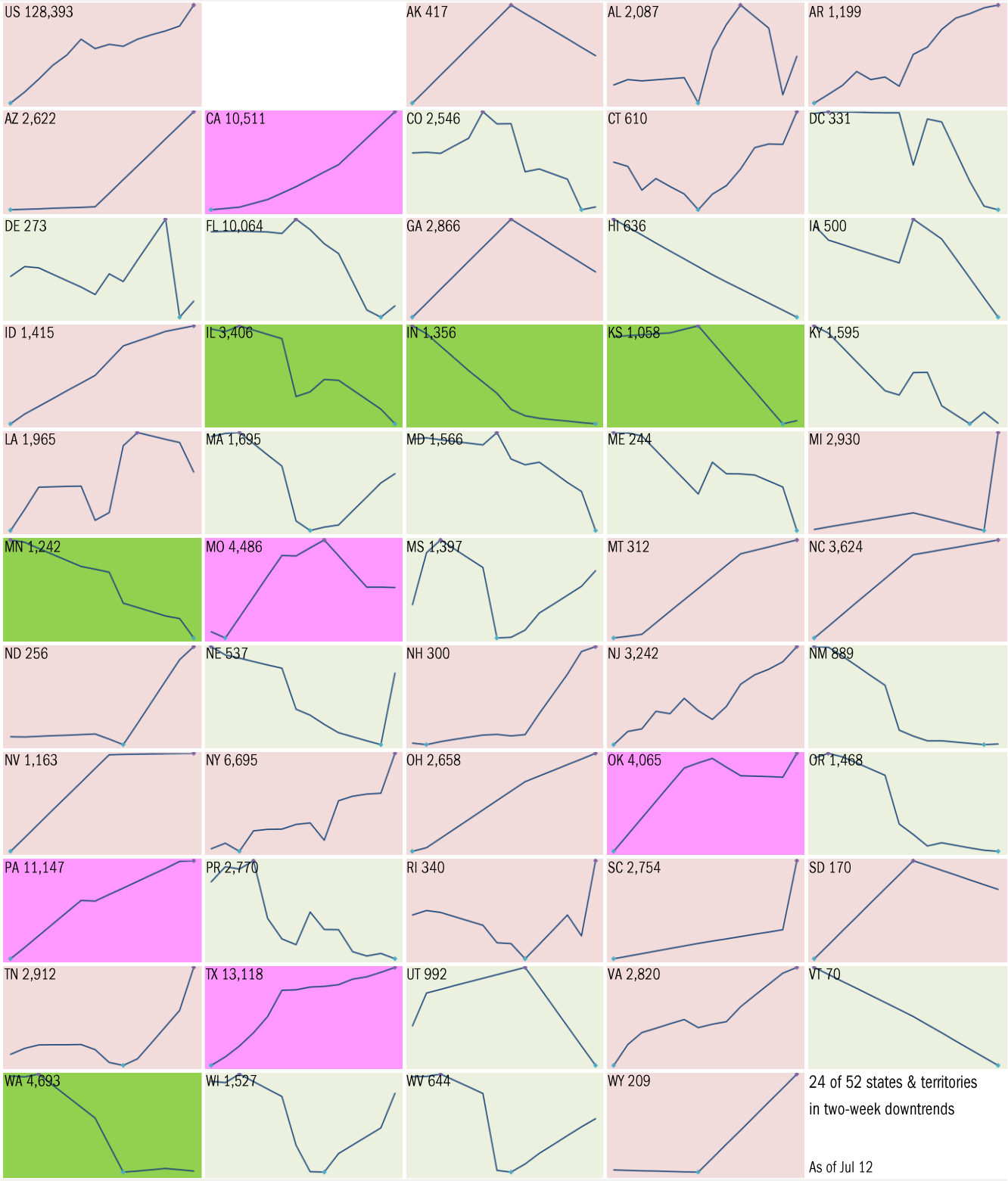


Source: Johns Hopkins, TrendMacro calculations

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

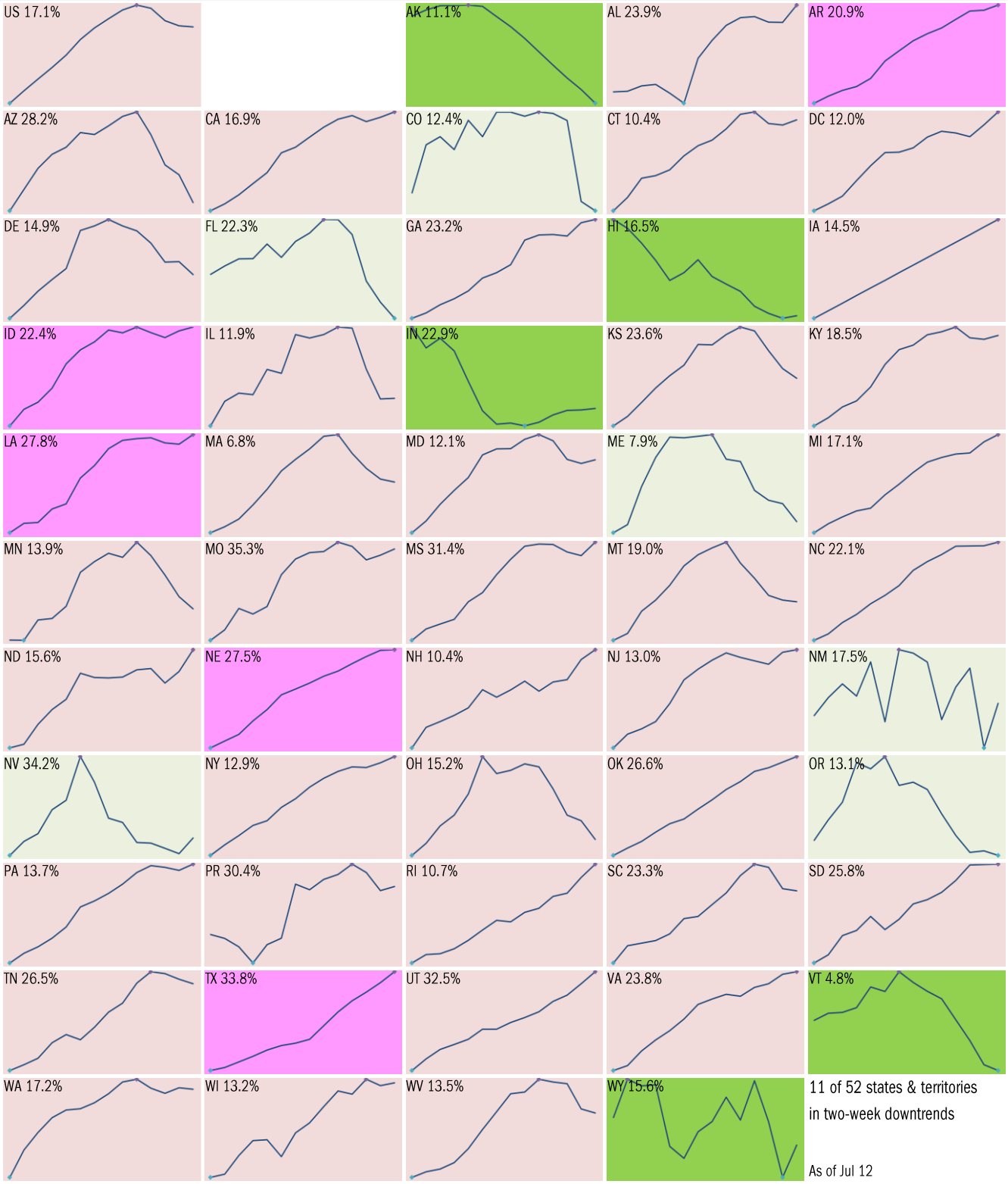


Source: Johns Hopkins, TrendMacro calculations

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

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

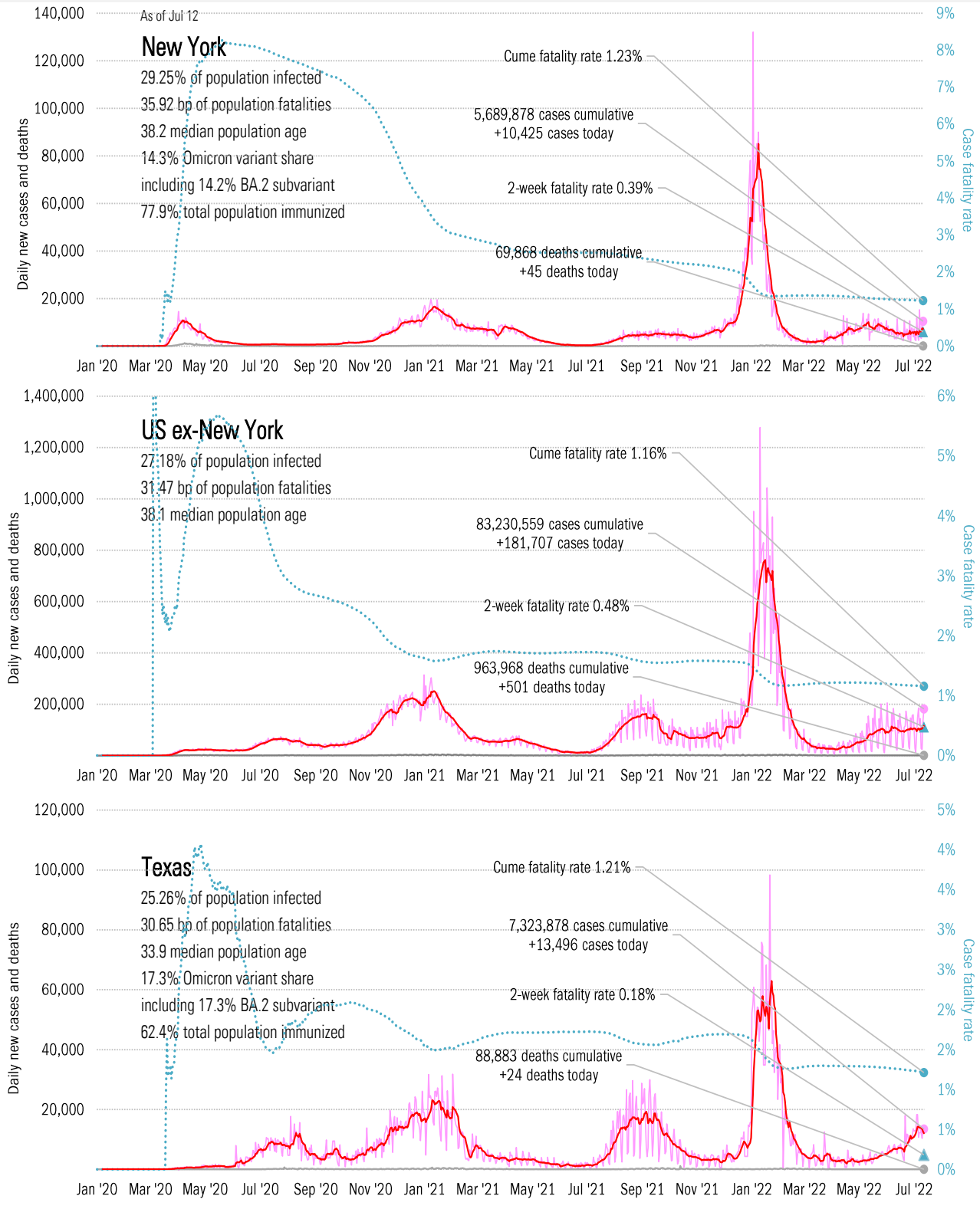
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

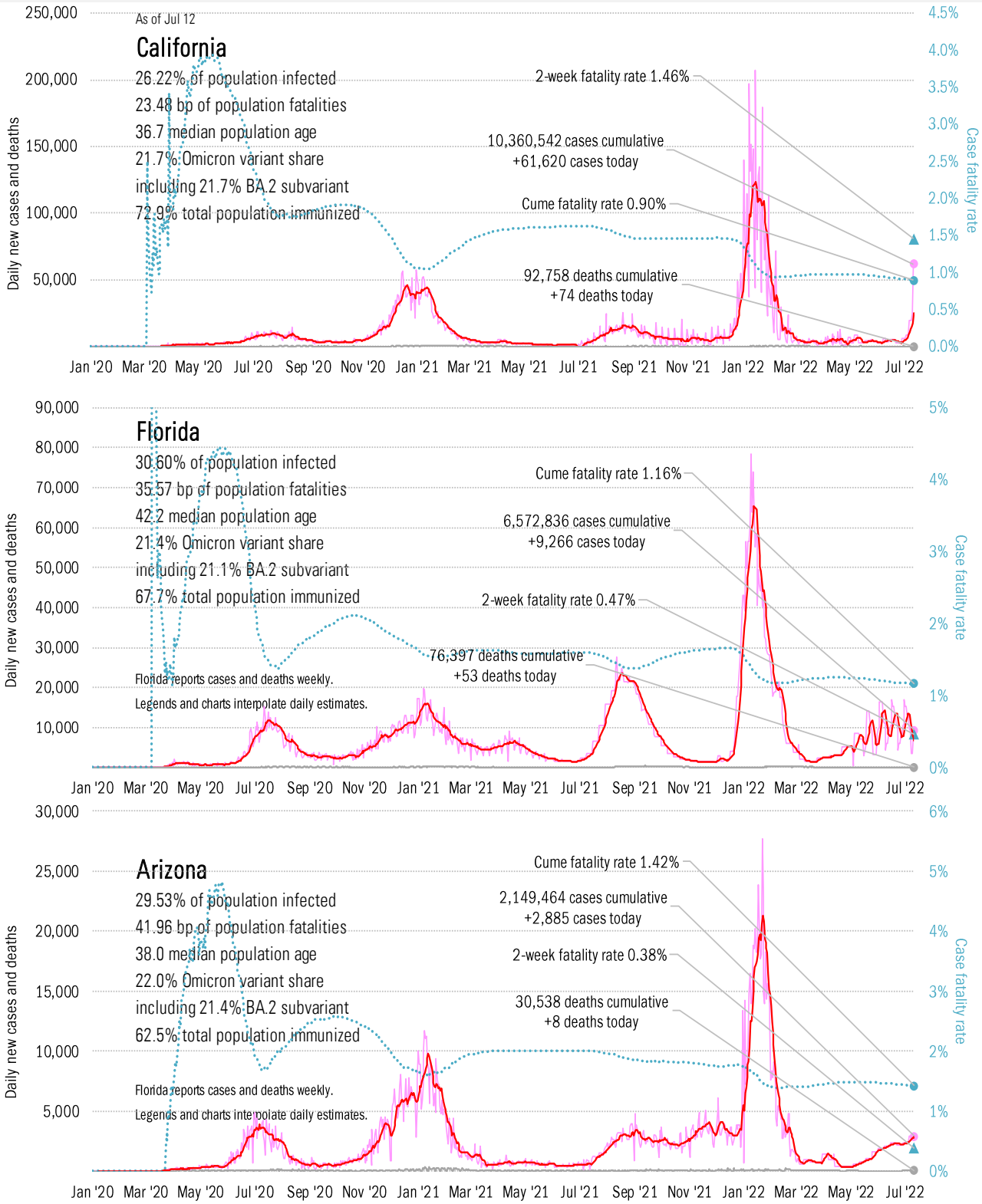
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

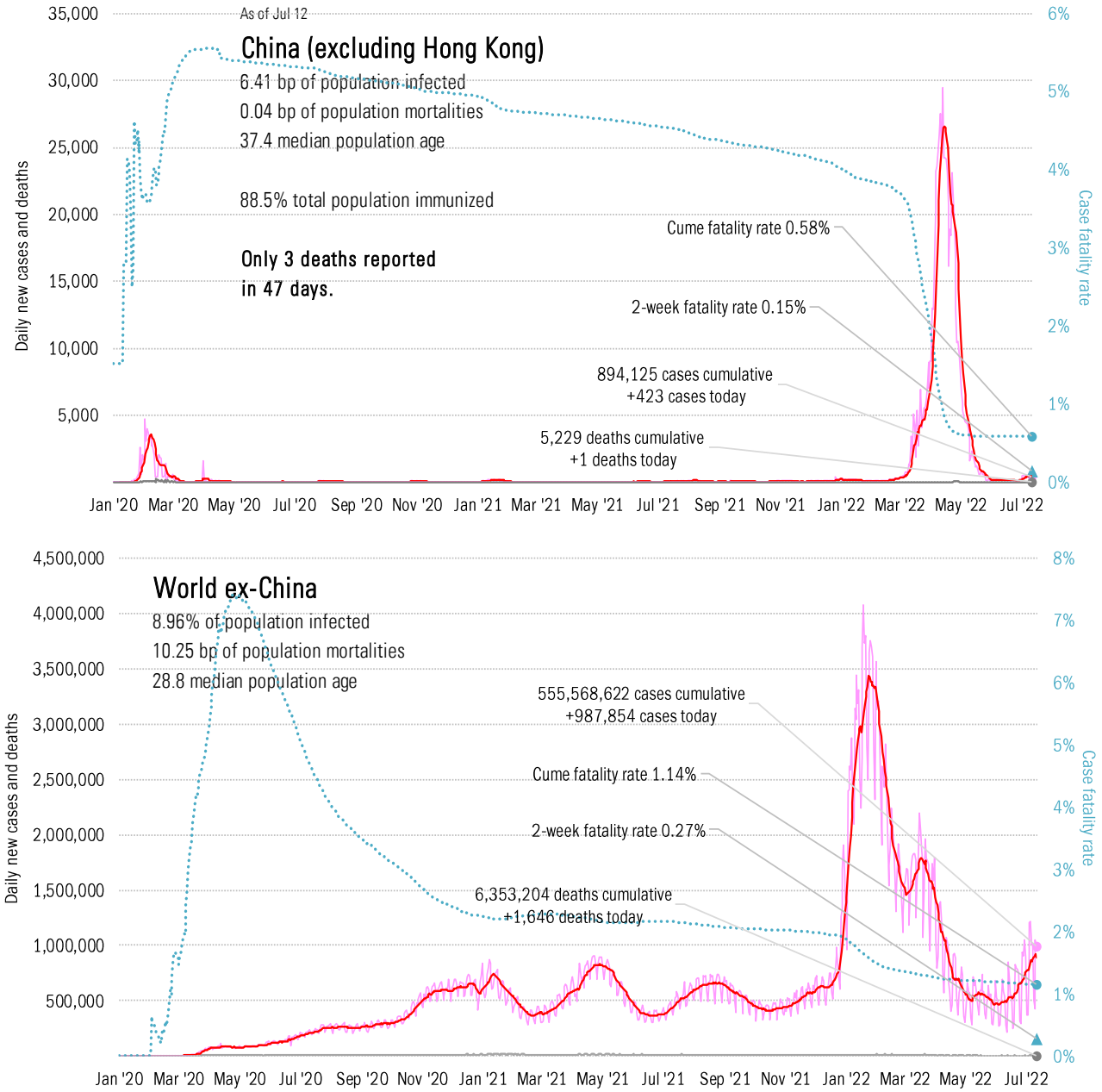
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

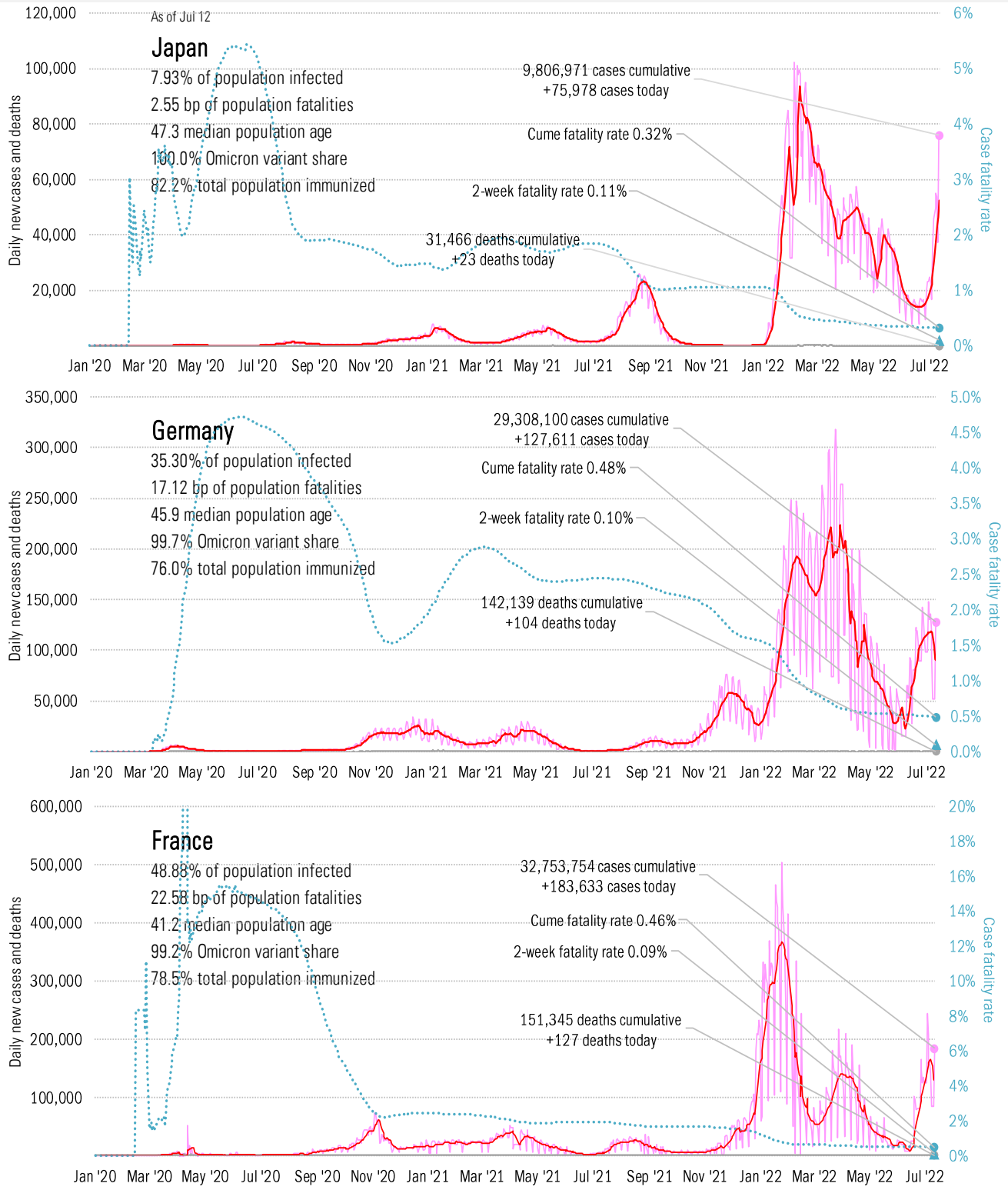
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

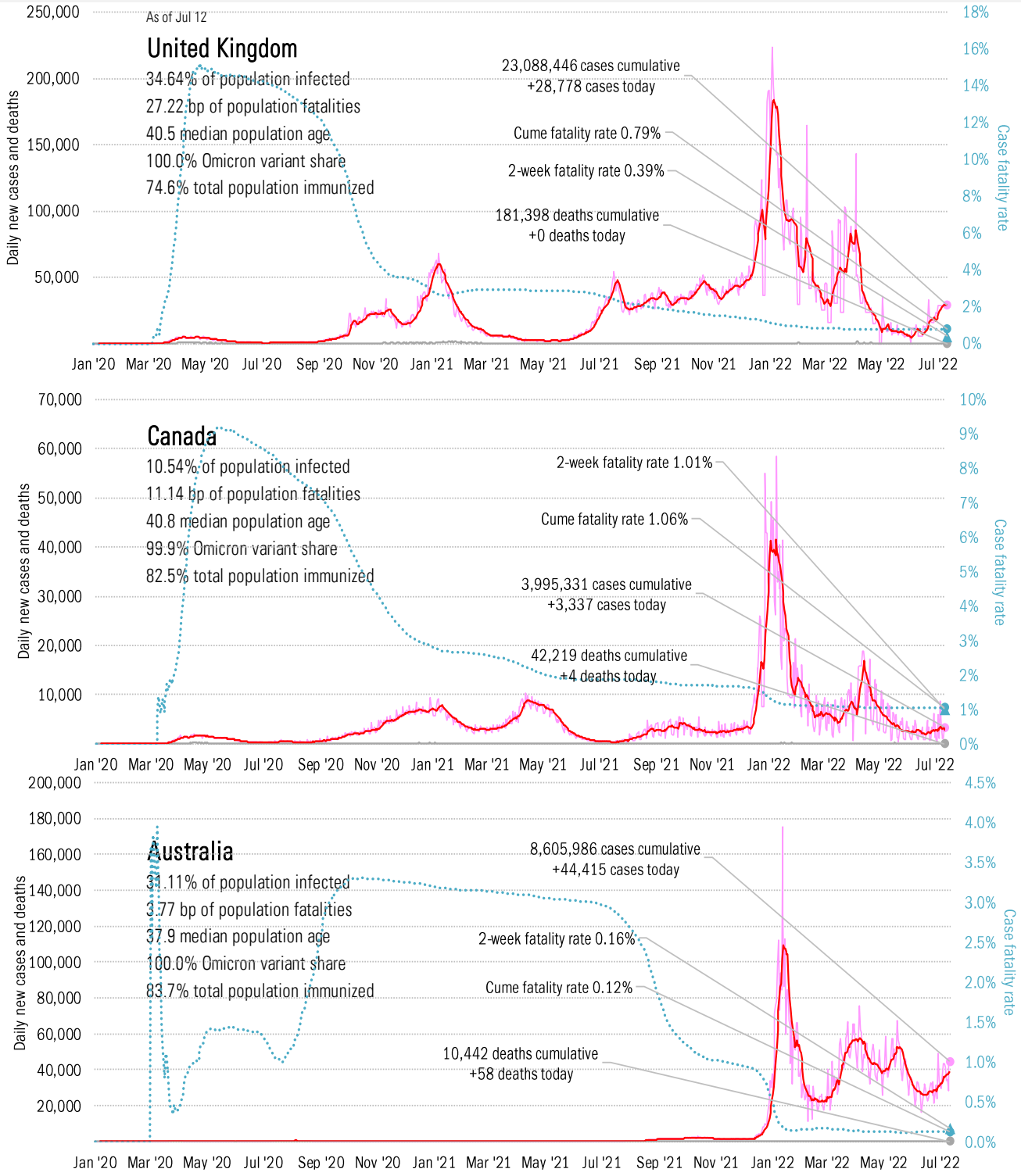
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

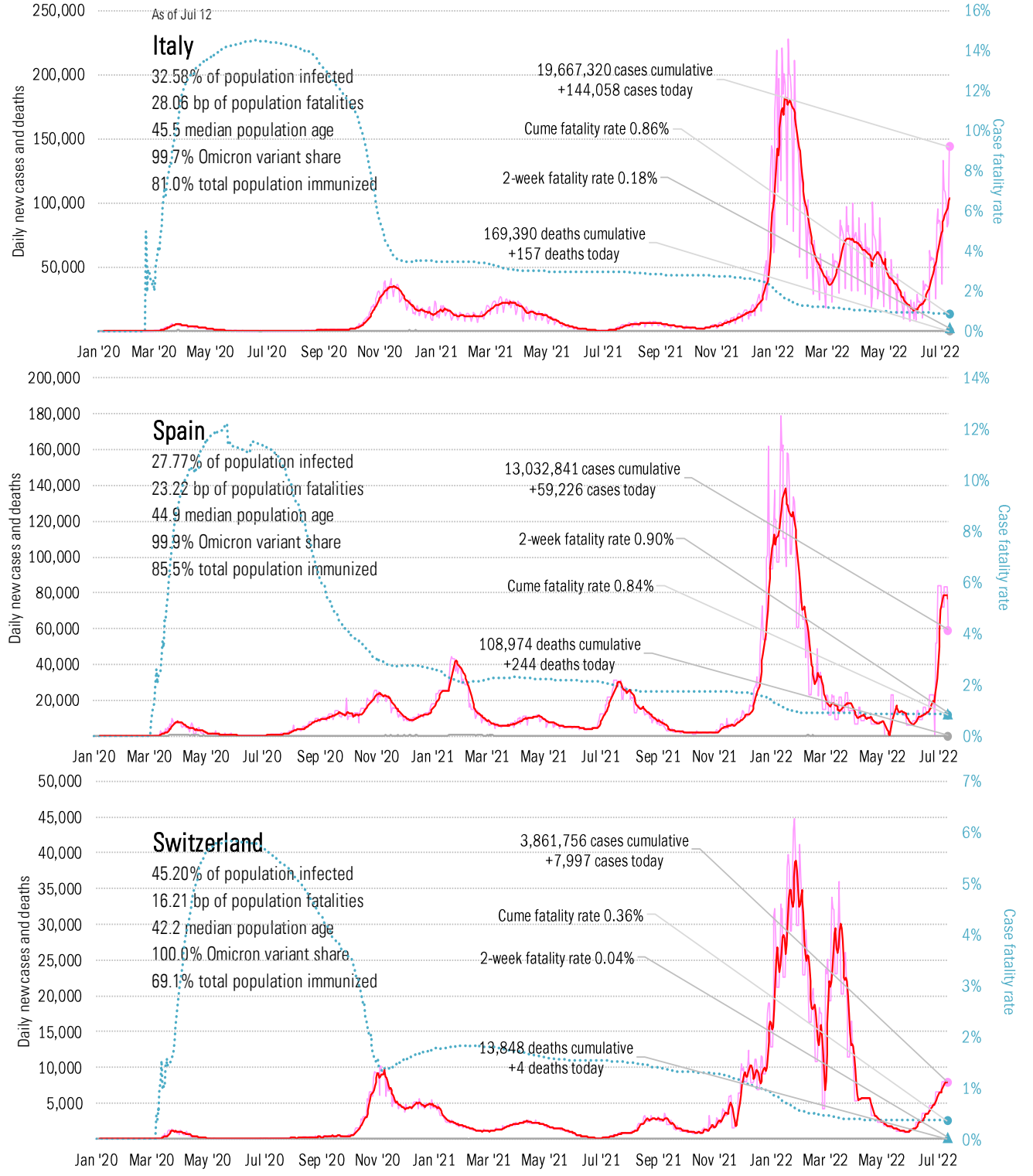
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

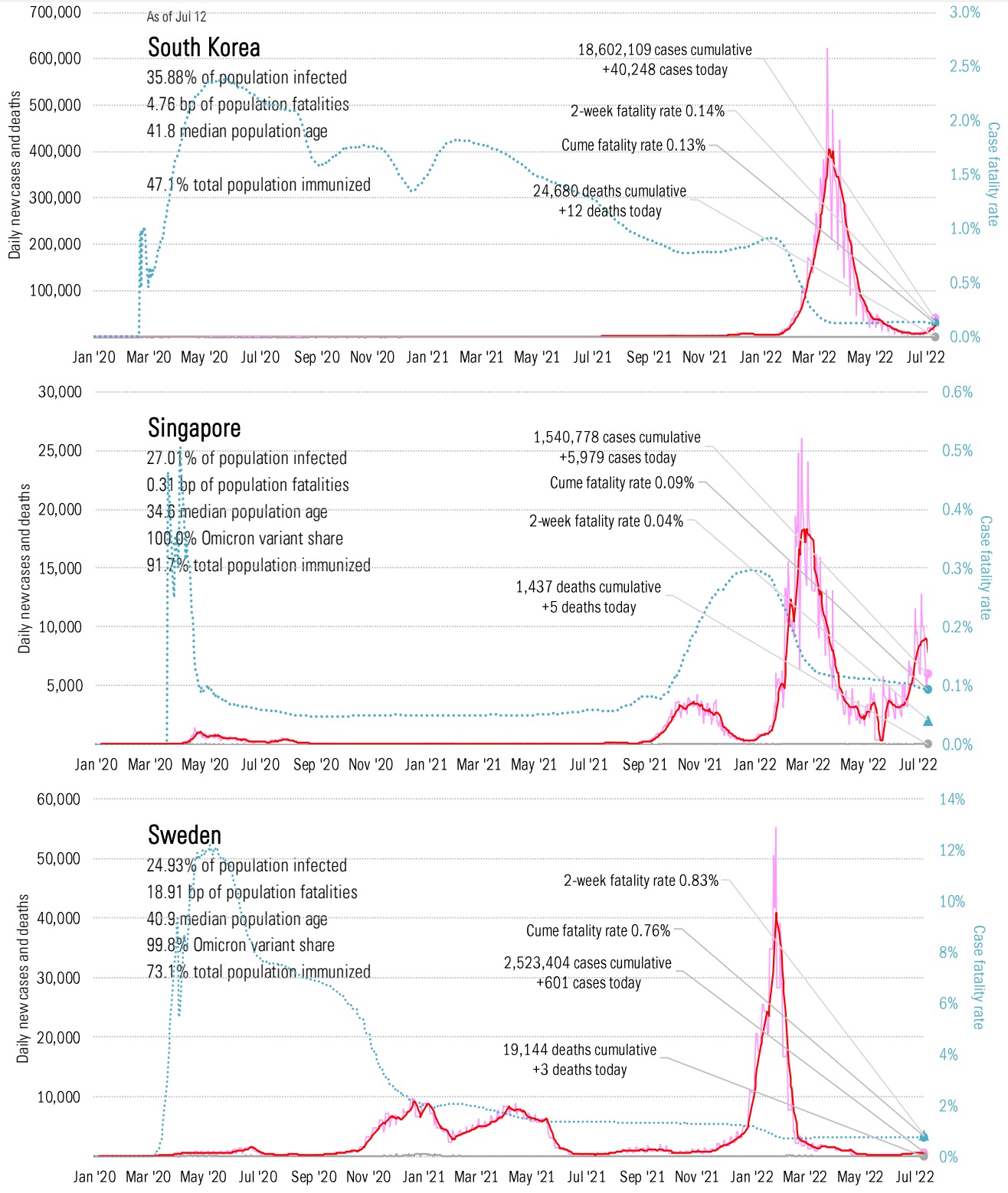
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

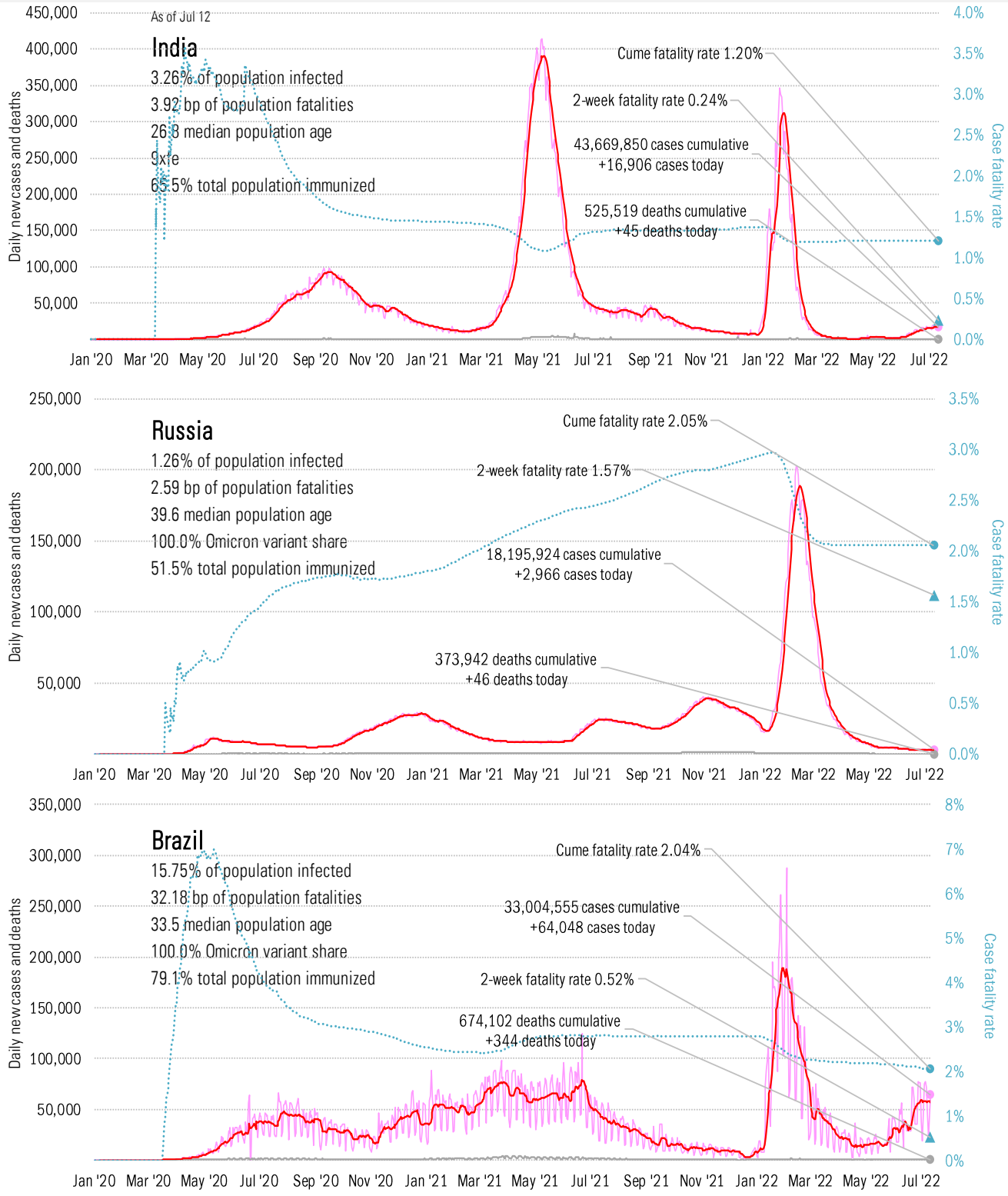
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

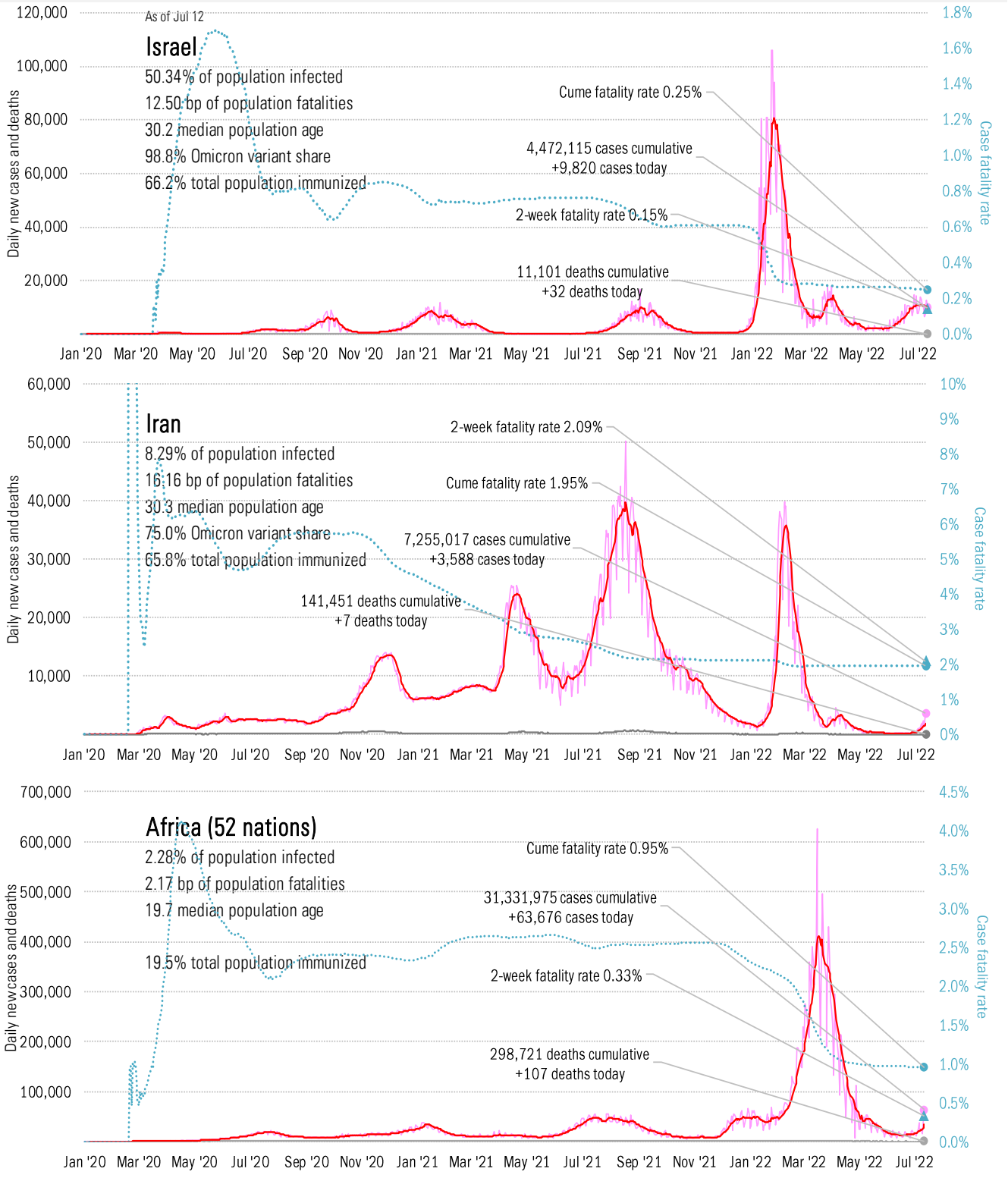
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

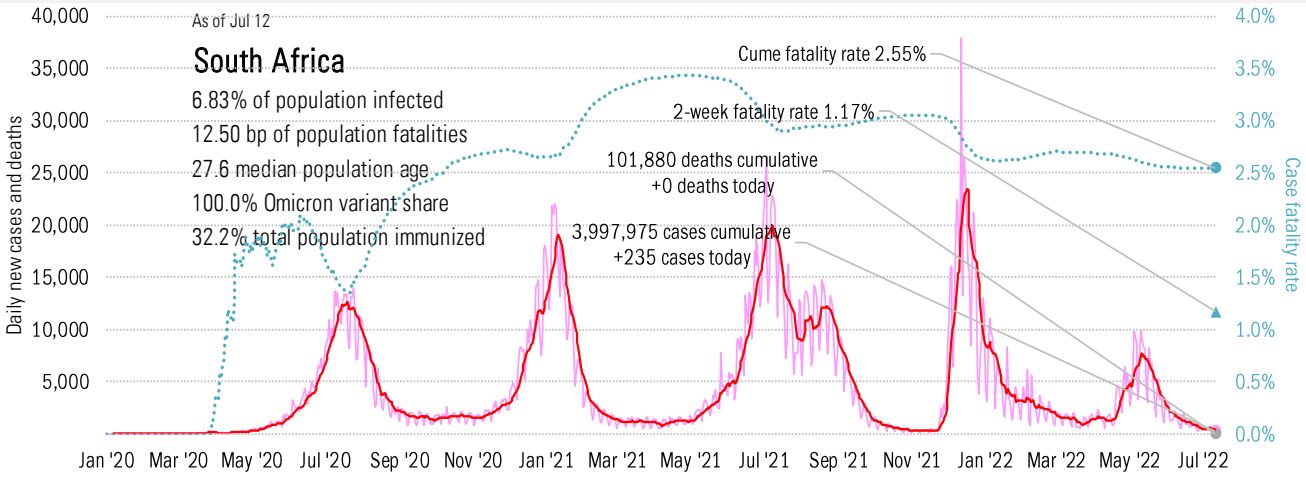
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations