Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

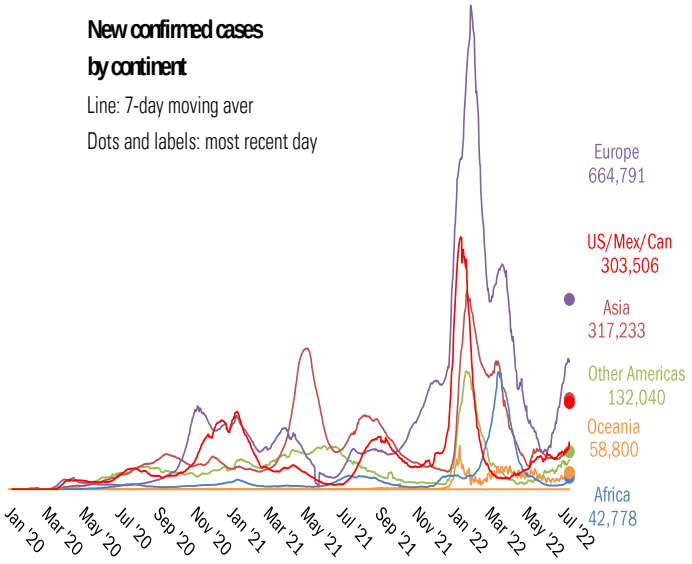
Thursday, July 14, 2022

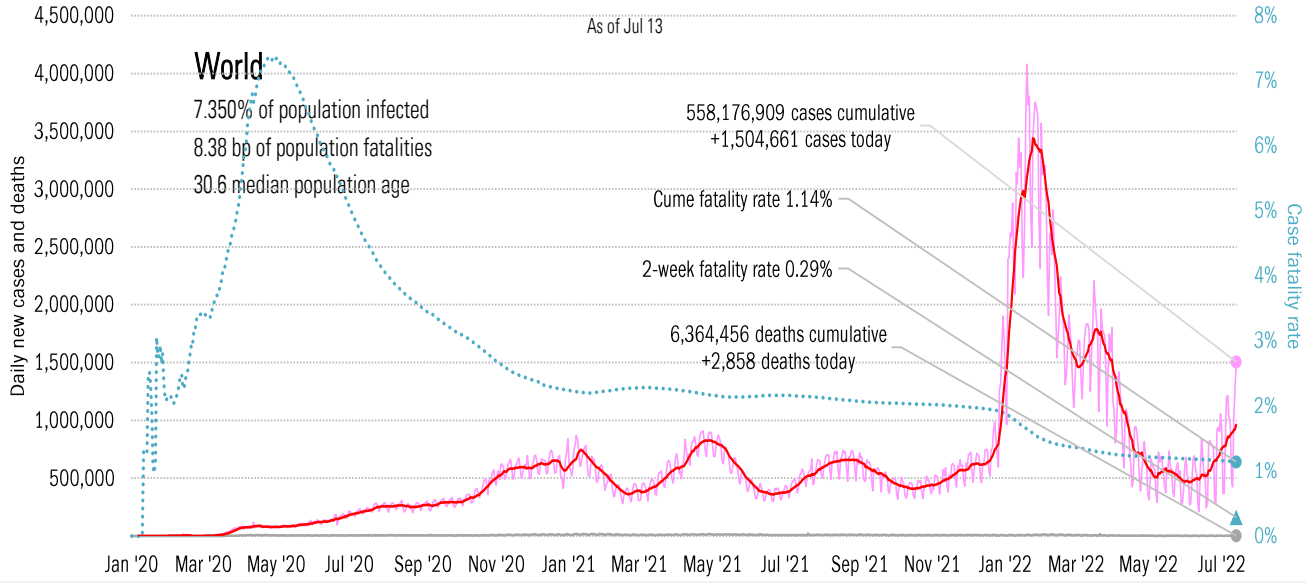
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	261,187	United Kingdom	864
United Kingdom	192,424	United States	428
Germany	152,149	Brazil	380
France	127,891	Germany	145
Turkey	117,095	France	109
Italy	111,591	Italy	106
Japan	94,453	Norway	89
Brazil	72,224	Australia	73
Australia	47,095	Mexico	72
Korea, South	39,169	Taiwan*	49
	1,215,278		2,315
World	1,504,661	World	2,858
Top ten	81%	Top ten	81%





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

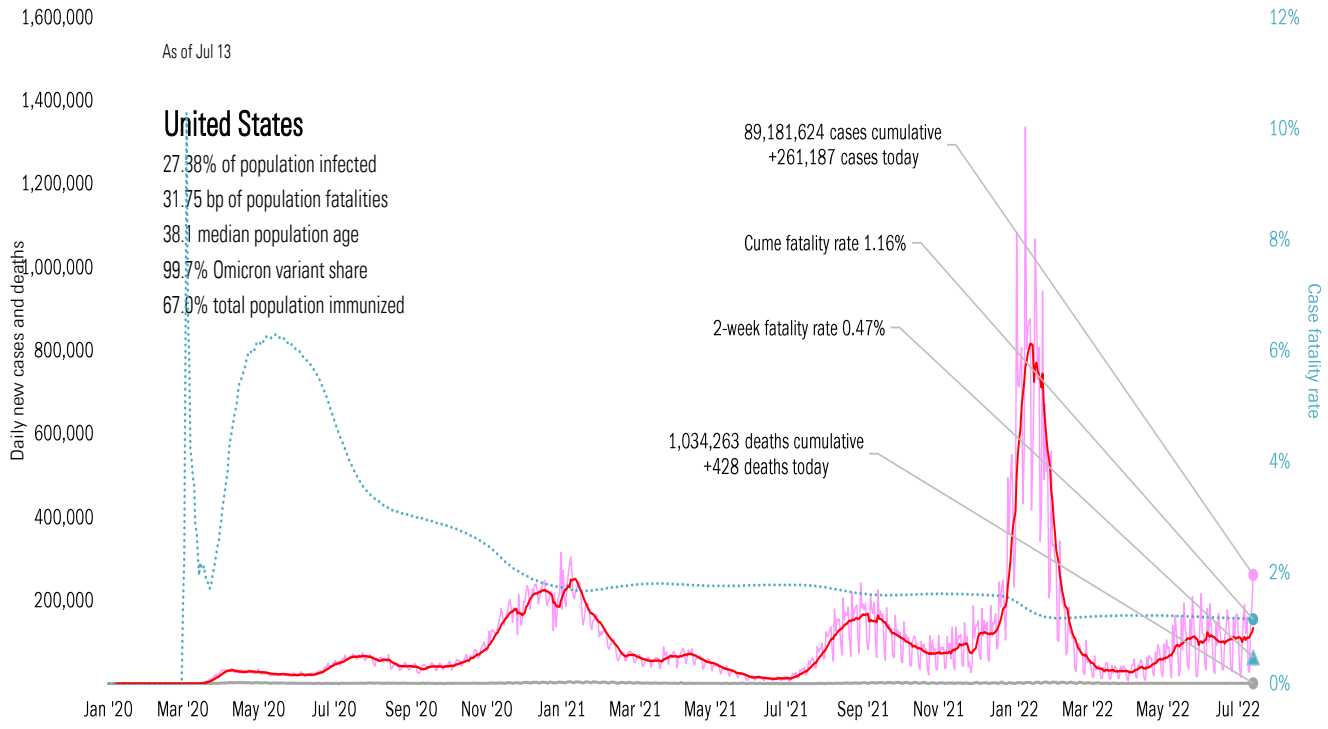
New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
WA	76,206	WA	837	TX	633	CA	10,367,437	CA	92,784	TX	511,297	MA	86%	TX	88%
GA	26,603	NC	138	IL	259	TX	7,336,691	TX	88,905	CA	458,685	MN	85%	RI	85%
NC	26,388	CA	136	NJ	179	FL	6,583,878	FL	76,461	FL	452,067	GA	84%	AL	85%
PA	[illegible]	[illegible]	[illegible]	NC	131	NY	5,696,031	NY	69,889	NY	274,826	DE	83%	DE	85%
TX	[illegible]	[illegible]	[illegible]	OH	184	IL	3,486,089	PA	45,949	GA	212,167	WA	83%	WA	83%
FL	[illegible]	[illegible]	[illegible]	LA	134	PA	3,038,076	OH	38,920	OH	201,887	WV	82%	MA	82%
NV	7,763	TN	37	KY	98	NC	2,919,068	GA	38,821	PA	188,949	MD	82%	DC	82%
KS	7,288	CA	26	GA	224	OH	2,867,291	IL	38,707	IL	171,163	MO	81%	NC	80%
CA	6,895	AK	24	NM	34	GA	2,694,160	MI	37,142	MI	151,262	RI	81%	NE	79%
NY	6,153	TX	22	AL	114	MI	2,636,214	NJ	34,133	KY	137,131	OR	81%	GA	79%
	198,811		1,499		1,990		47,624,935		561,711		2,759,434				
All states	261,187		428		6,132	All states	89,181,624		1,034,263		5,010,747	All states	70%		67%
Top ten	76%		351%		32%	Top ten	53%		55%		55%	Median	77%		73%

US state case and fatality data distorted today due to revisions.

Some states not reporting

Five most improved US states

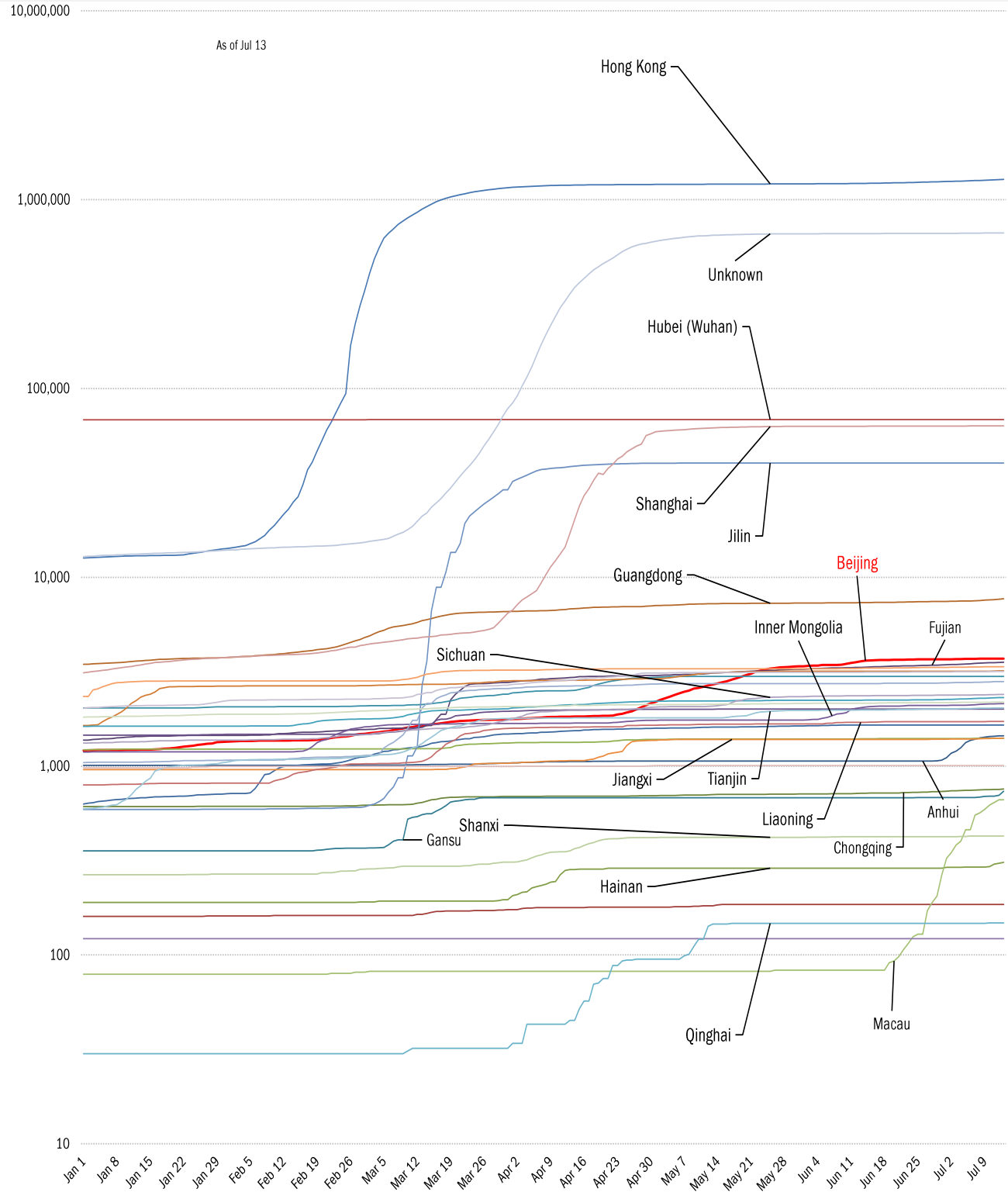
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunuity growth	
CA	-54,725	MI	-160	CA	-163	VA	+705 bp
MI	-16,681	CA	-48	NY	-89	TN	+662 bp
SC	-13,446	NY	-24	FL	-88	LA	+541 bp
OK	-7,849	CT	-18	TN	-70	AR	+537 bp
NY	-4,272	MS	-14	WA	-53	IN	+532 bp



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

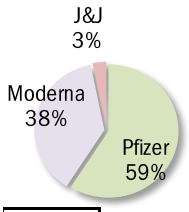
Rolling out the vaccines in the US and the world

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

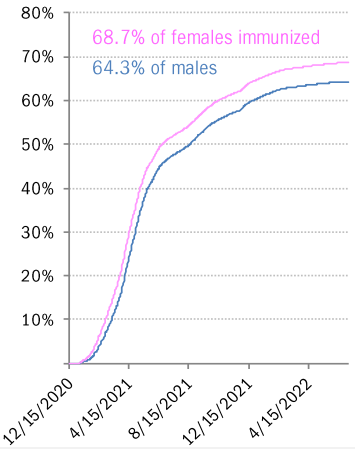
"Immunity" = two doses

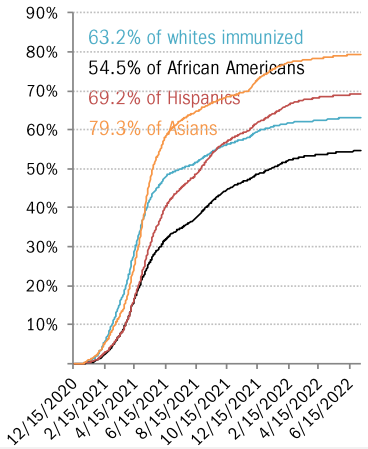
Best
Middle
Worst

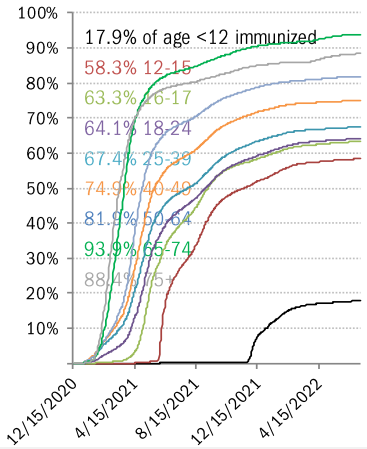
As of Jul 7

					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



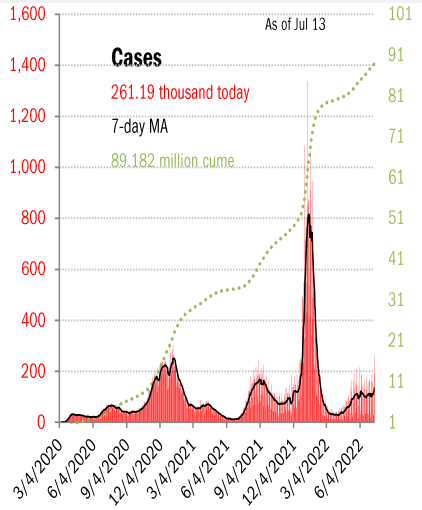


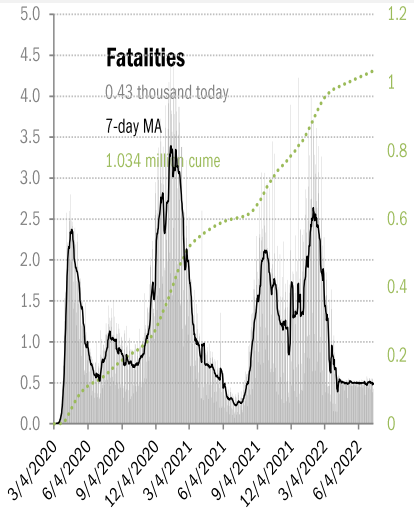


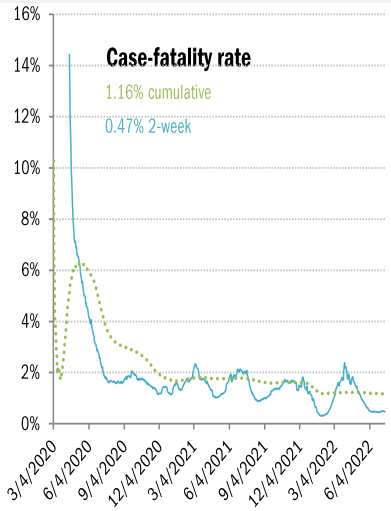
Source: CDC, CDC, Our World in Data, TrendMacro calculations

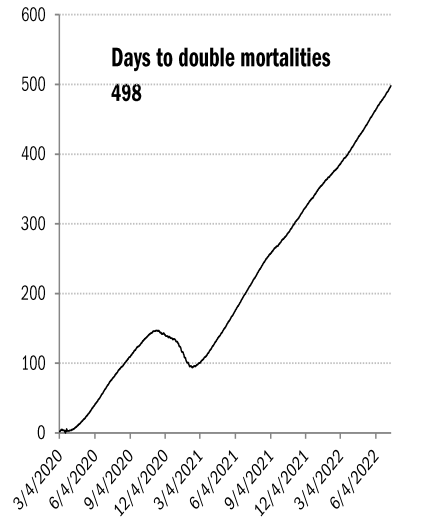
US deep-dive

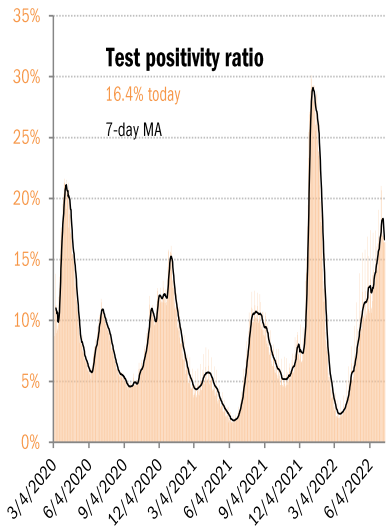
National and state-by-state data do not line up because of different sources

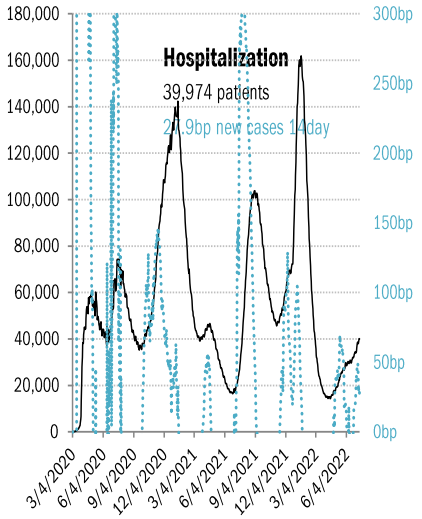


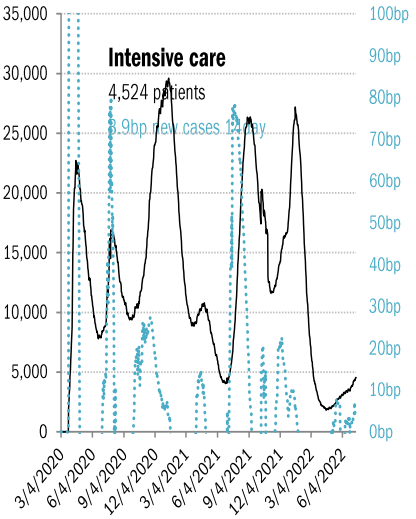


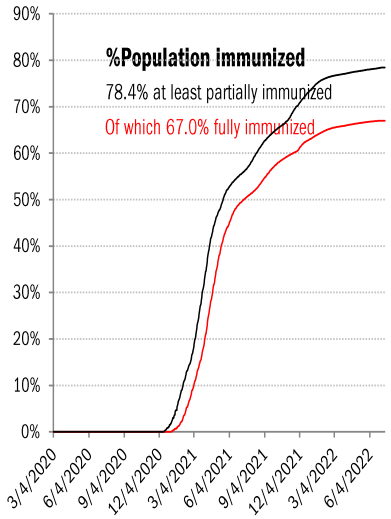












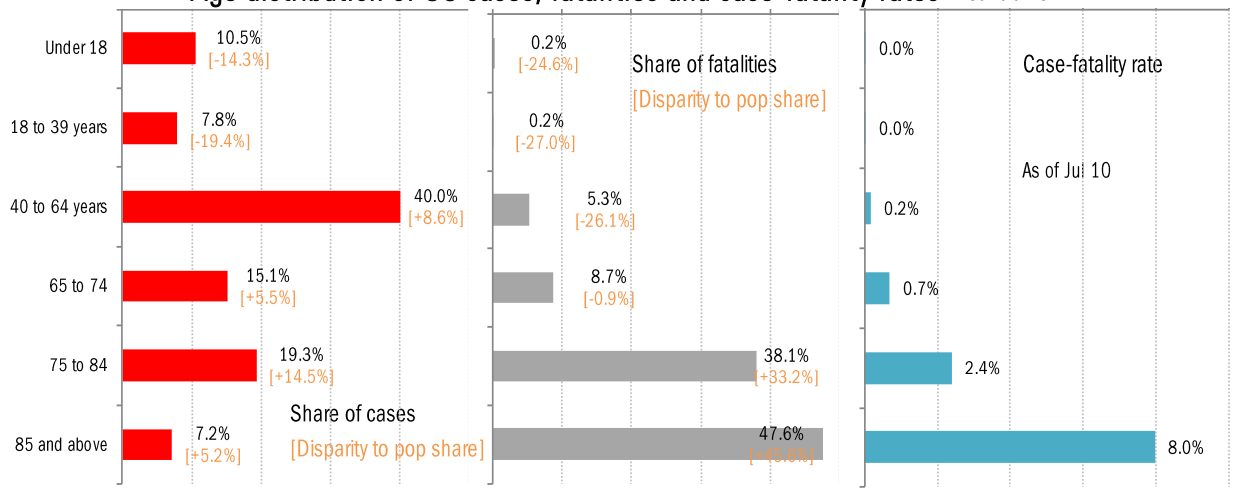
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

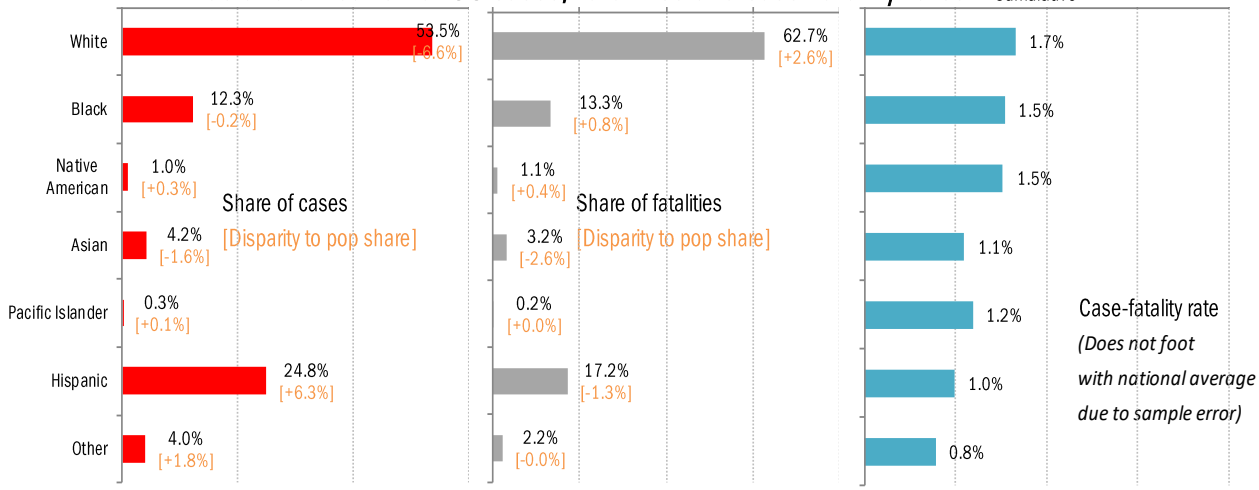
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



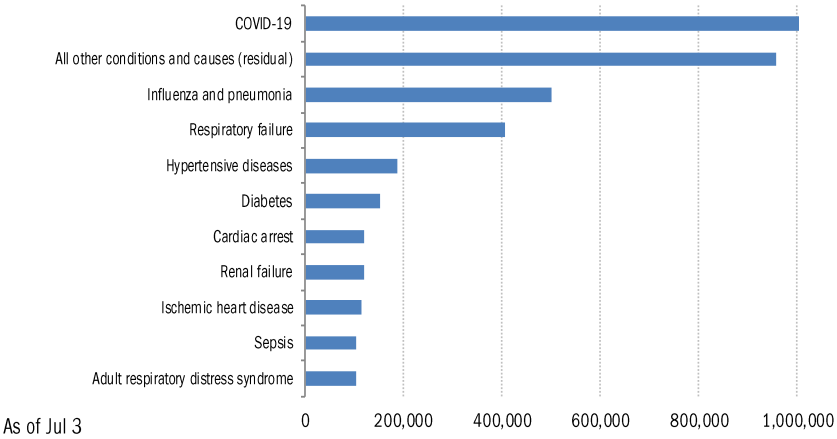
Racial distribution of US cases, fatalities and case-fatality rates

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.

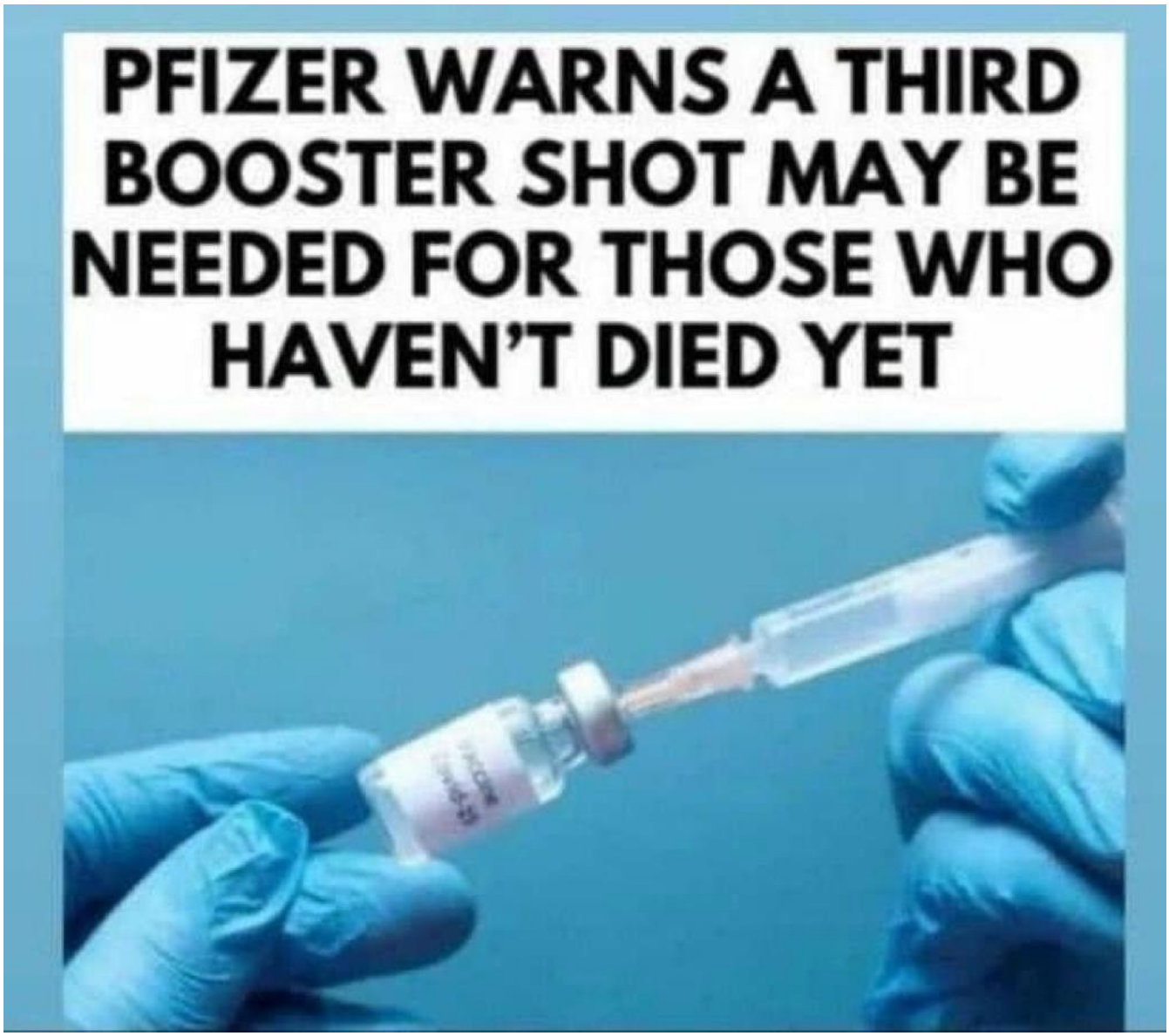
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

Excess Mortality in Sweden and Denmark the Same During Pandemic Despite Sweden Refusing Lockdown
Thorstein Siglaugson
Daily Sceptic
July 9, 2022

Democratic-Led States Let Their Federal Unemployment Debts Linger
Jimmy Vielkind
Wall Street Journal
July 11, 2022

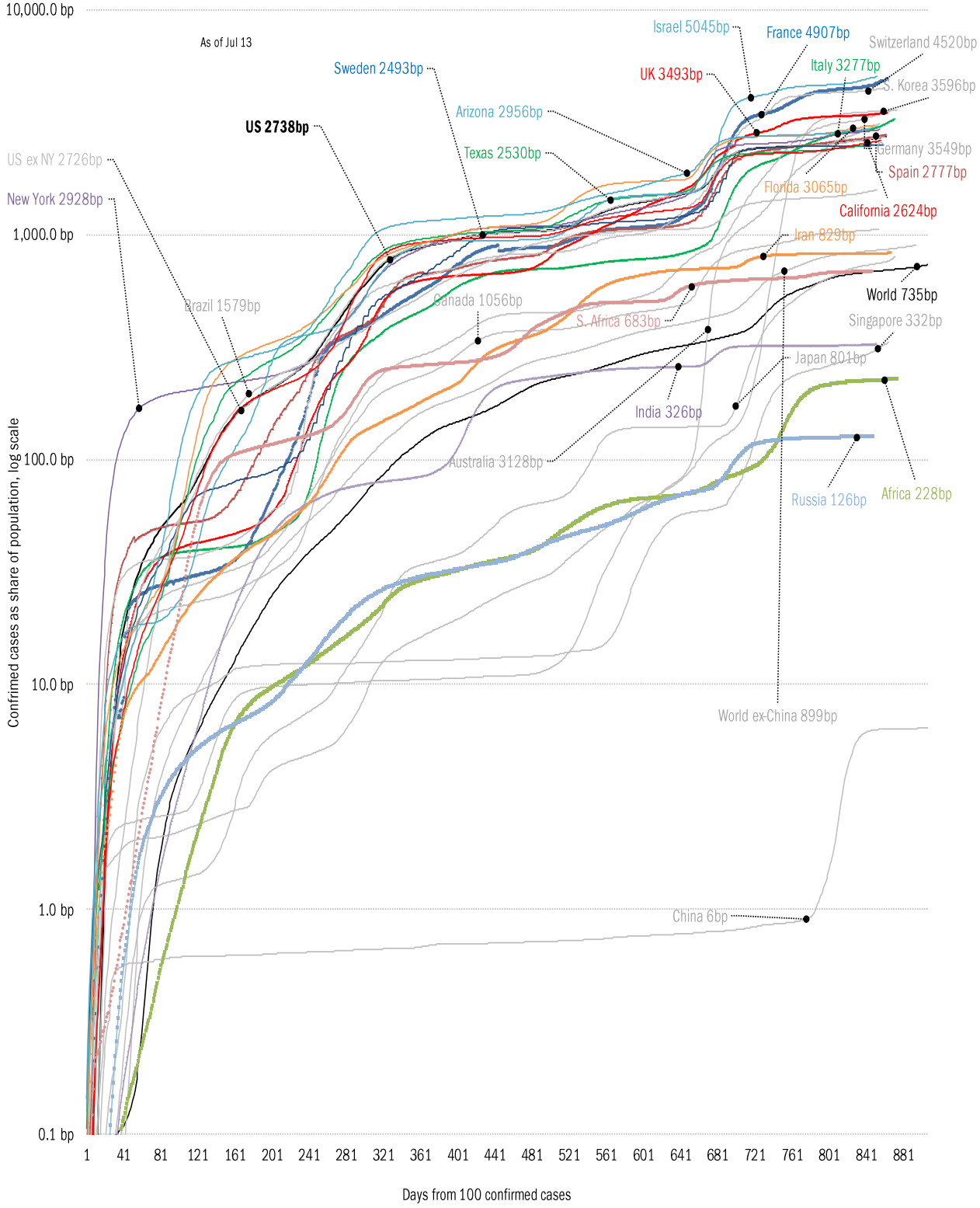
Meme of the day



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

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

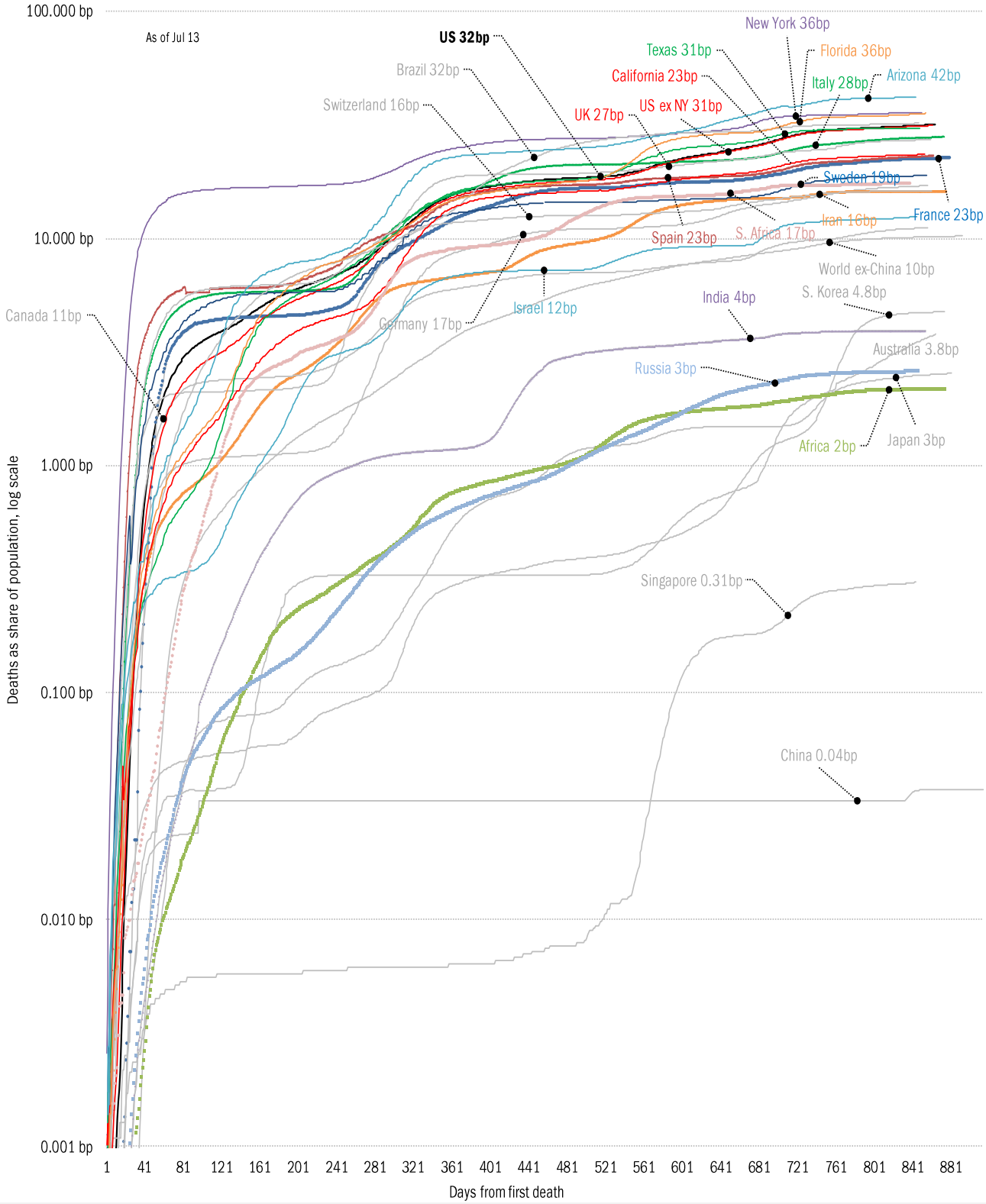
Share of infected population from first day with 100 confirmed cases, log scale



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

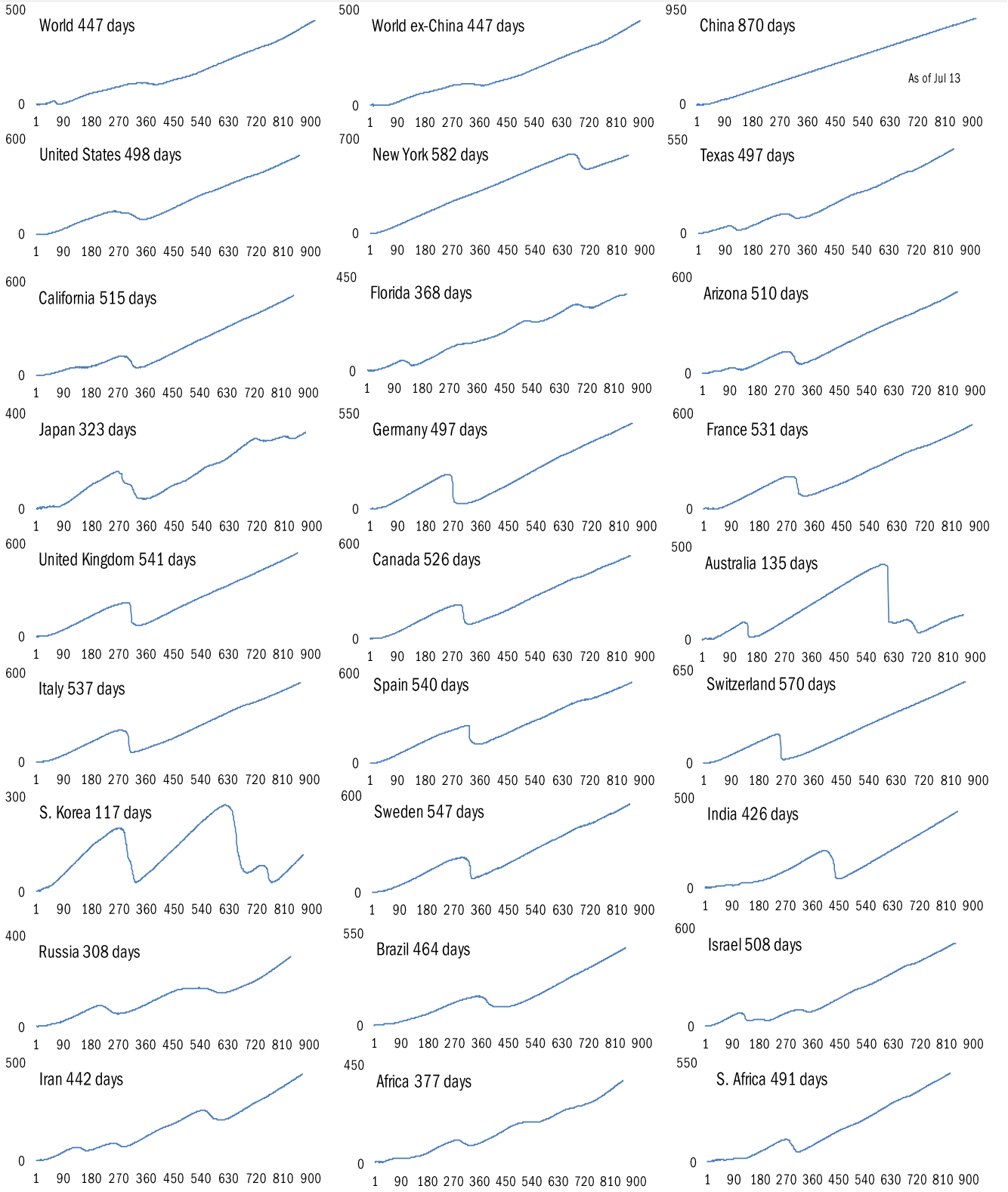


Source: Johns Hopkins, TrendMacro calculations

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

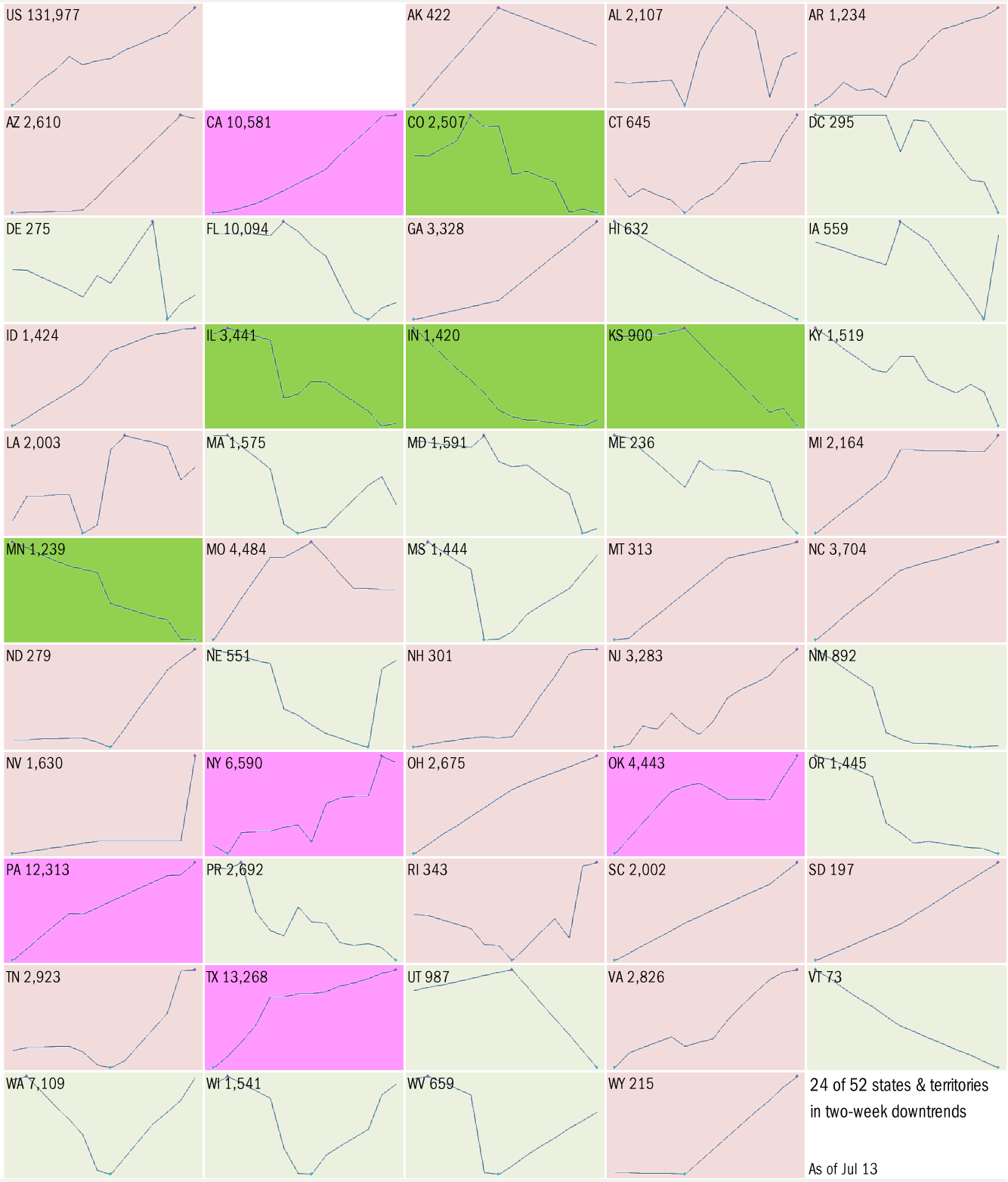


Source: Johns Hopkins, TrendMacro calculations

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

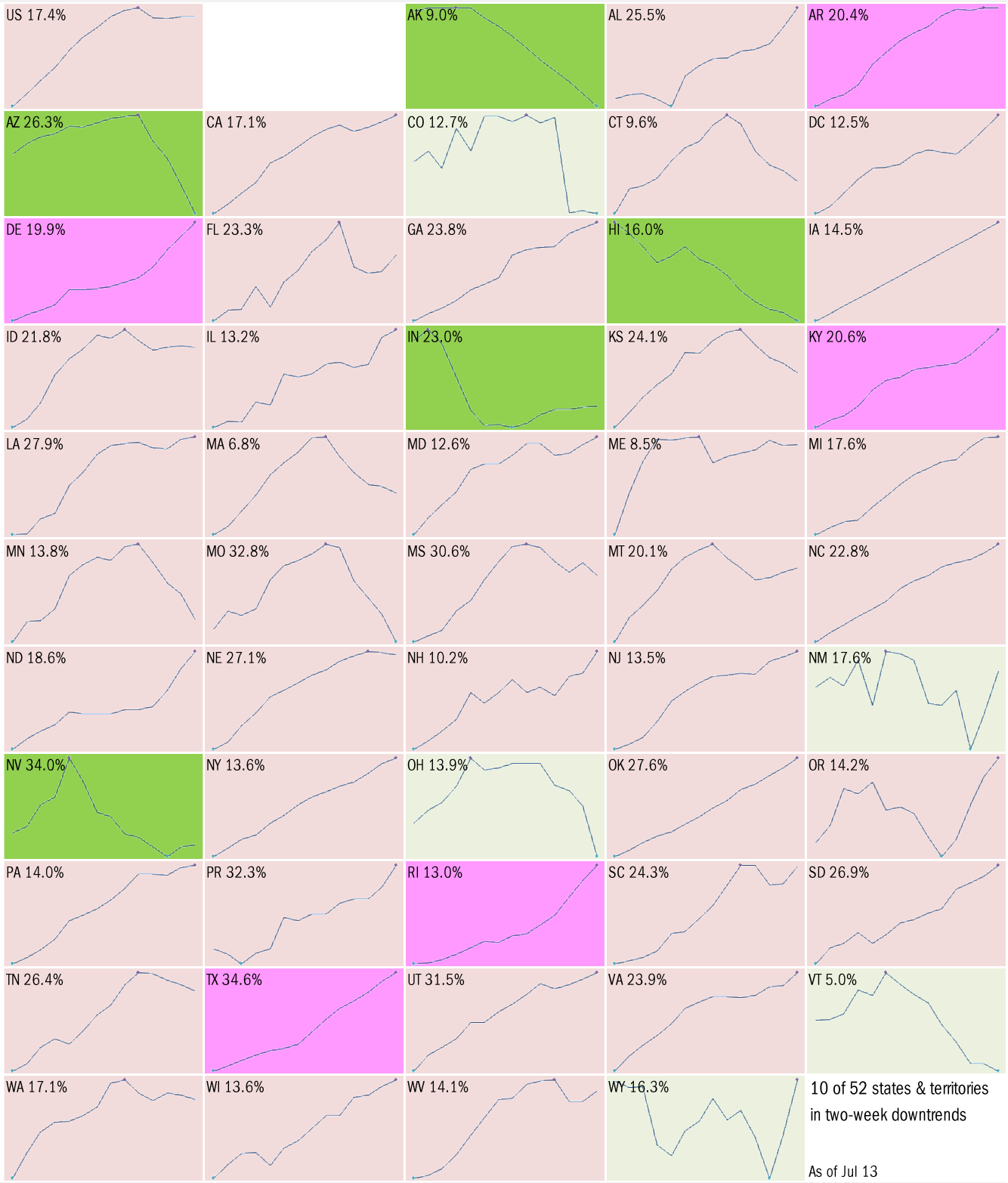


Source: Johns Hopkins, TrendMacro calculations

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

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

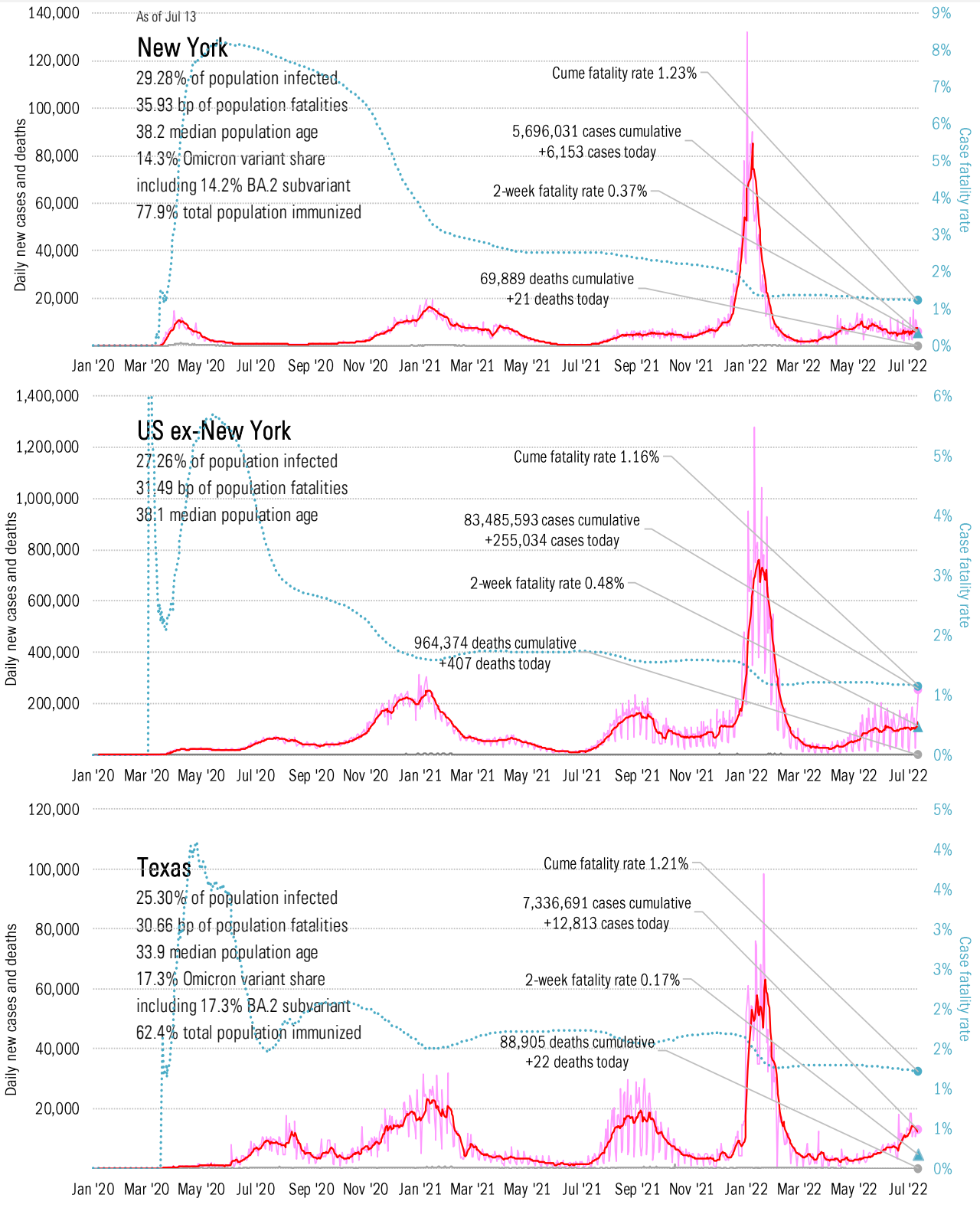
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

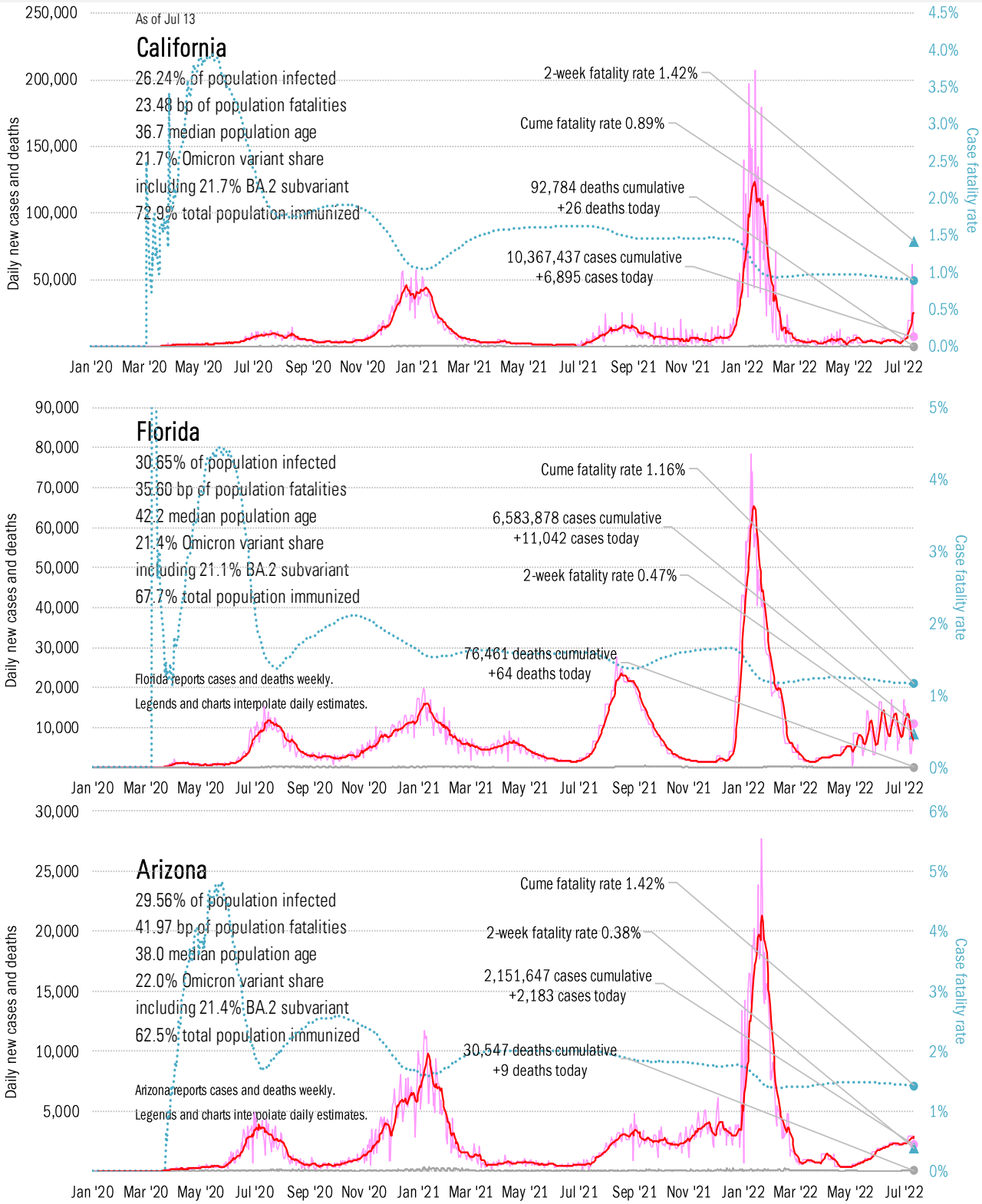
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

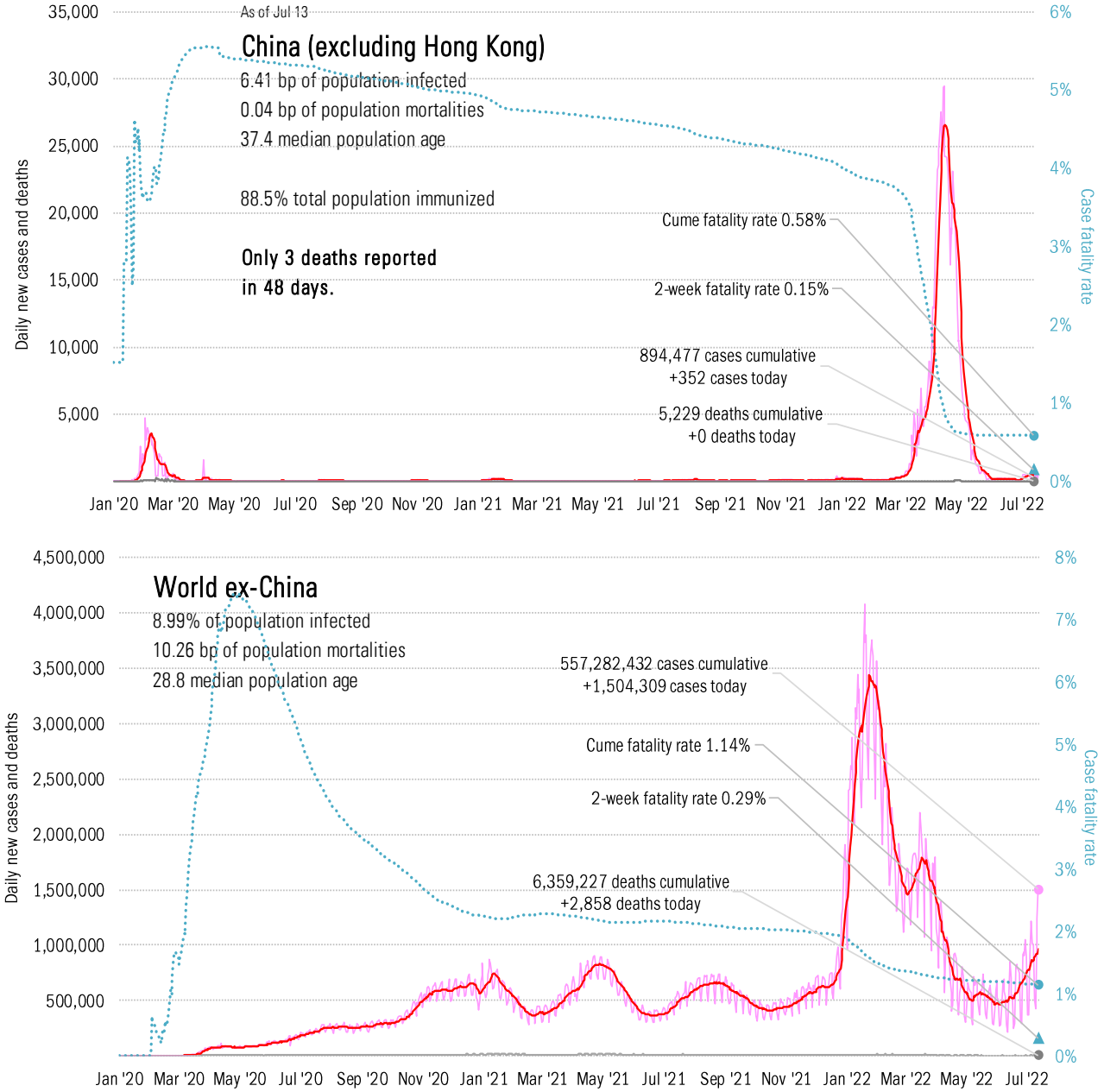
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

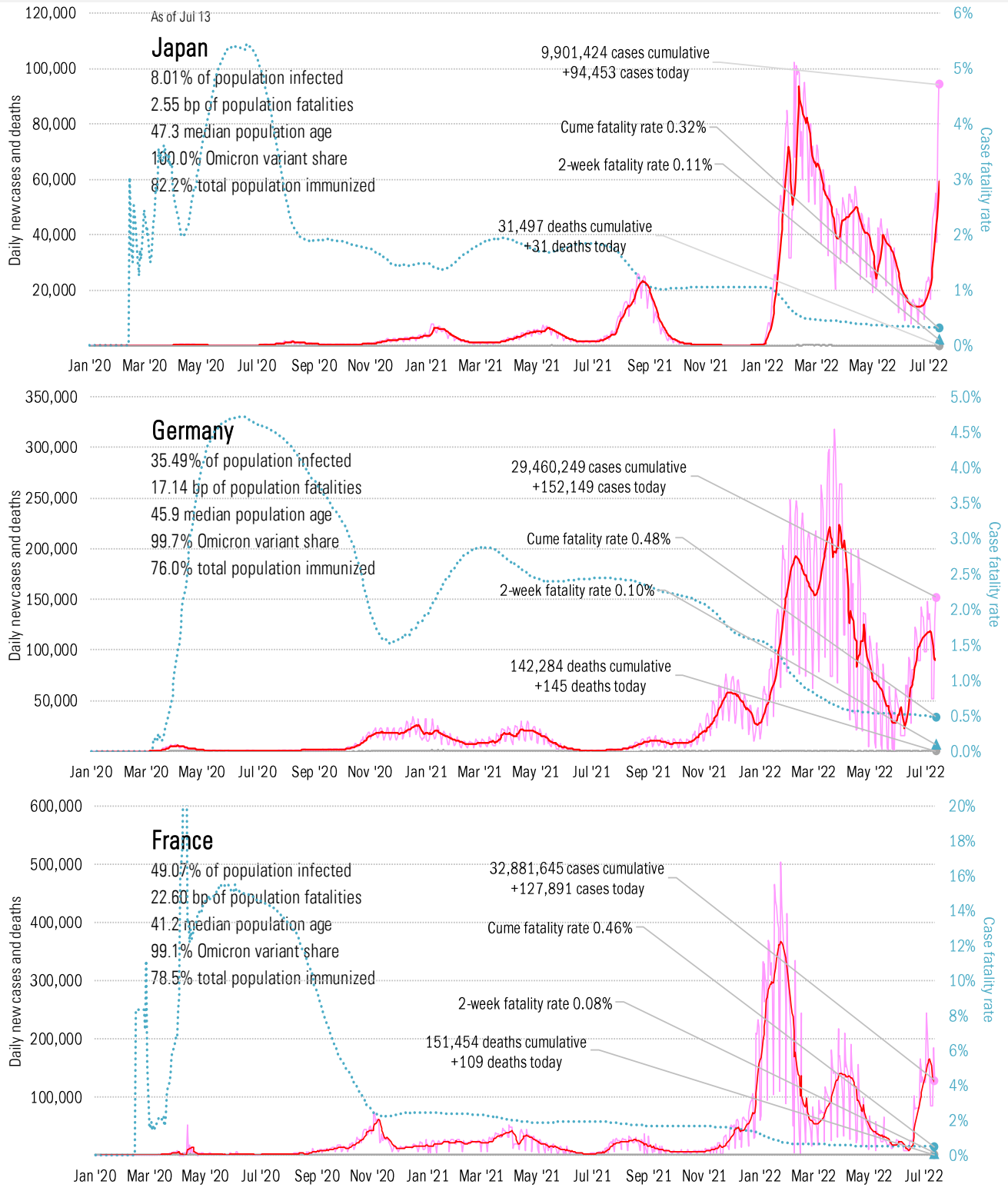
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

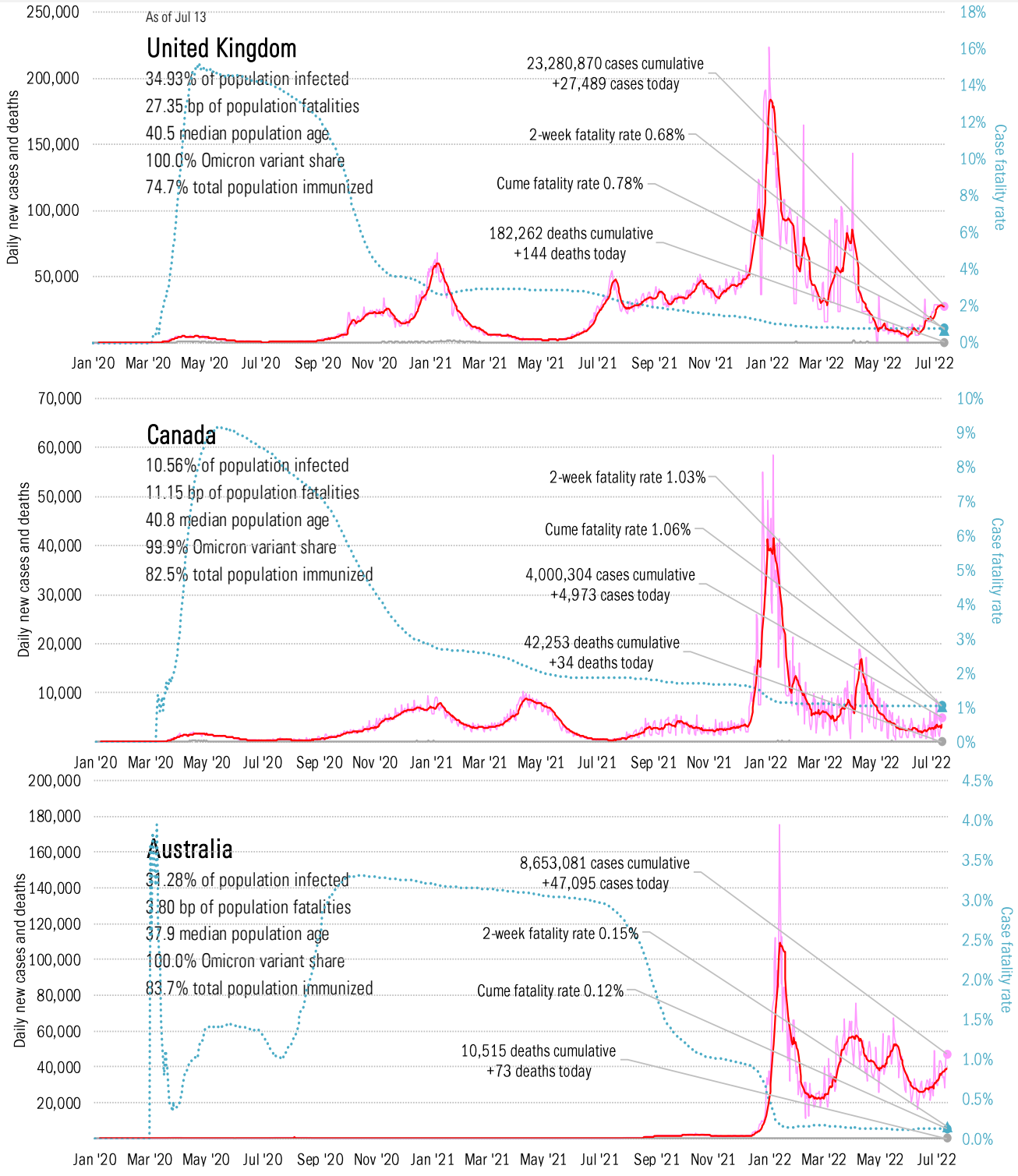
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

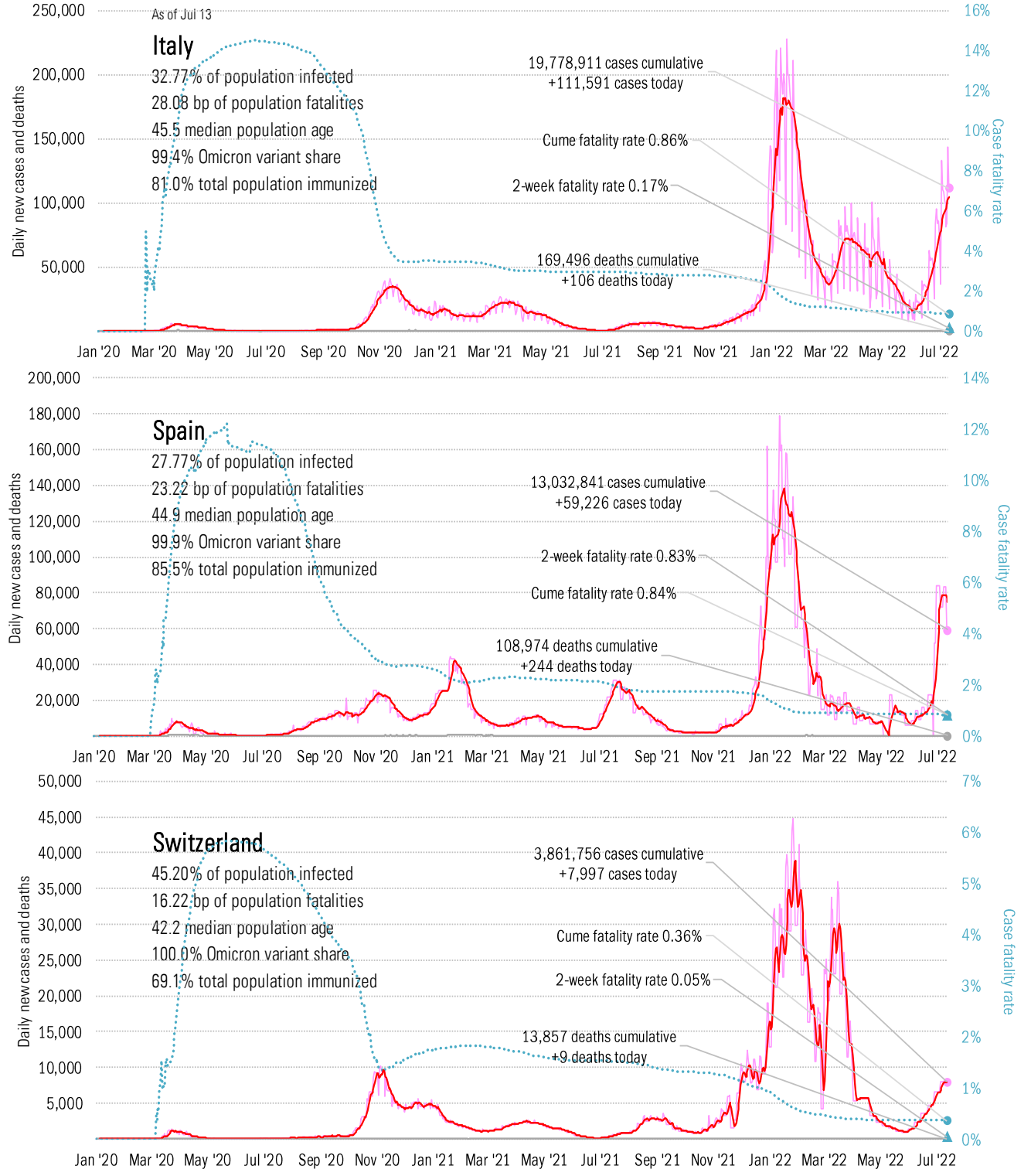
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

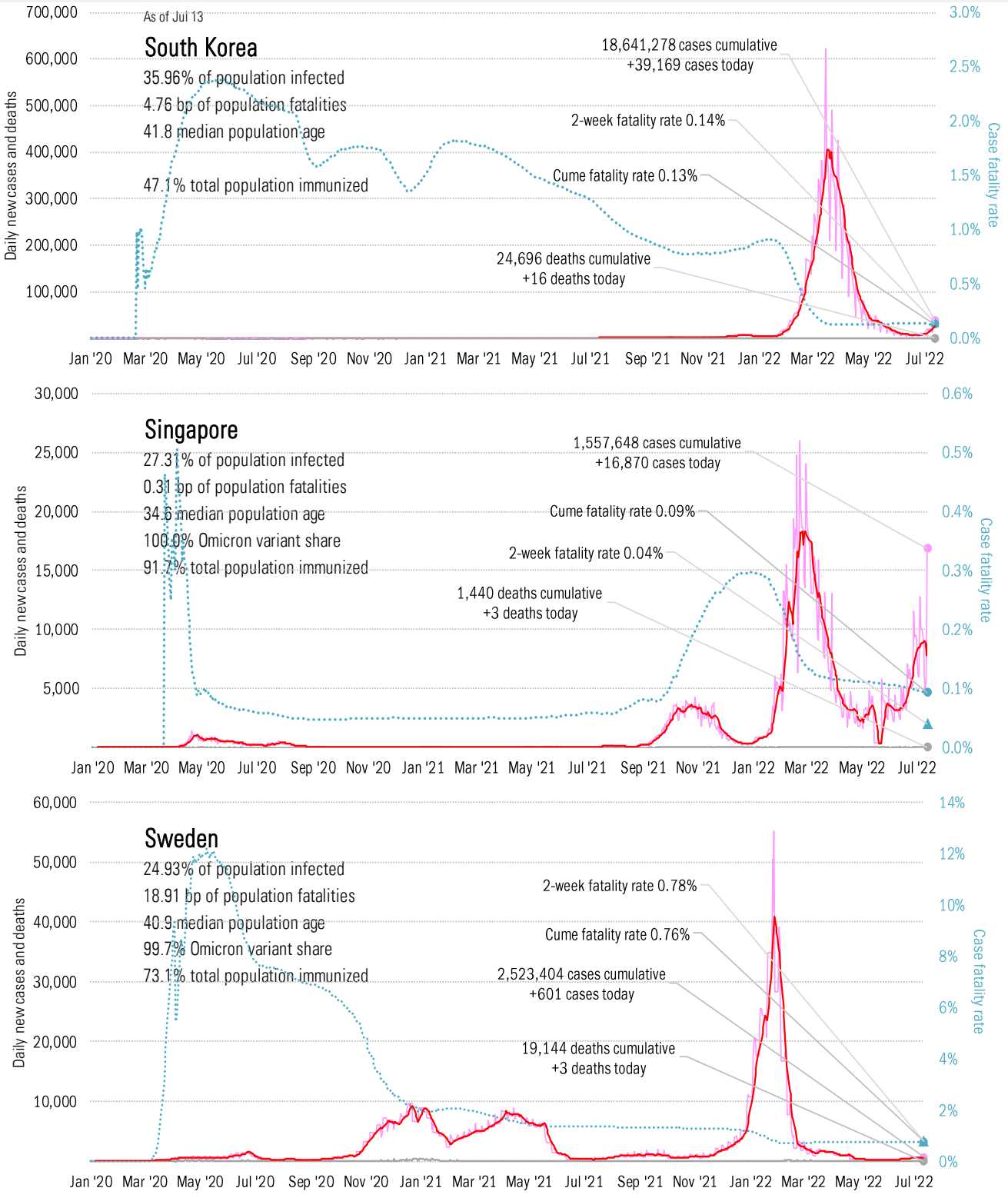
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

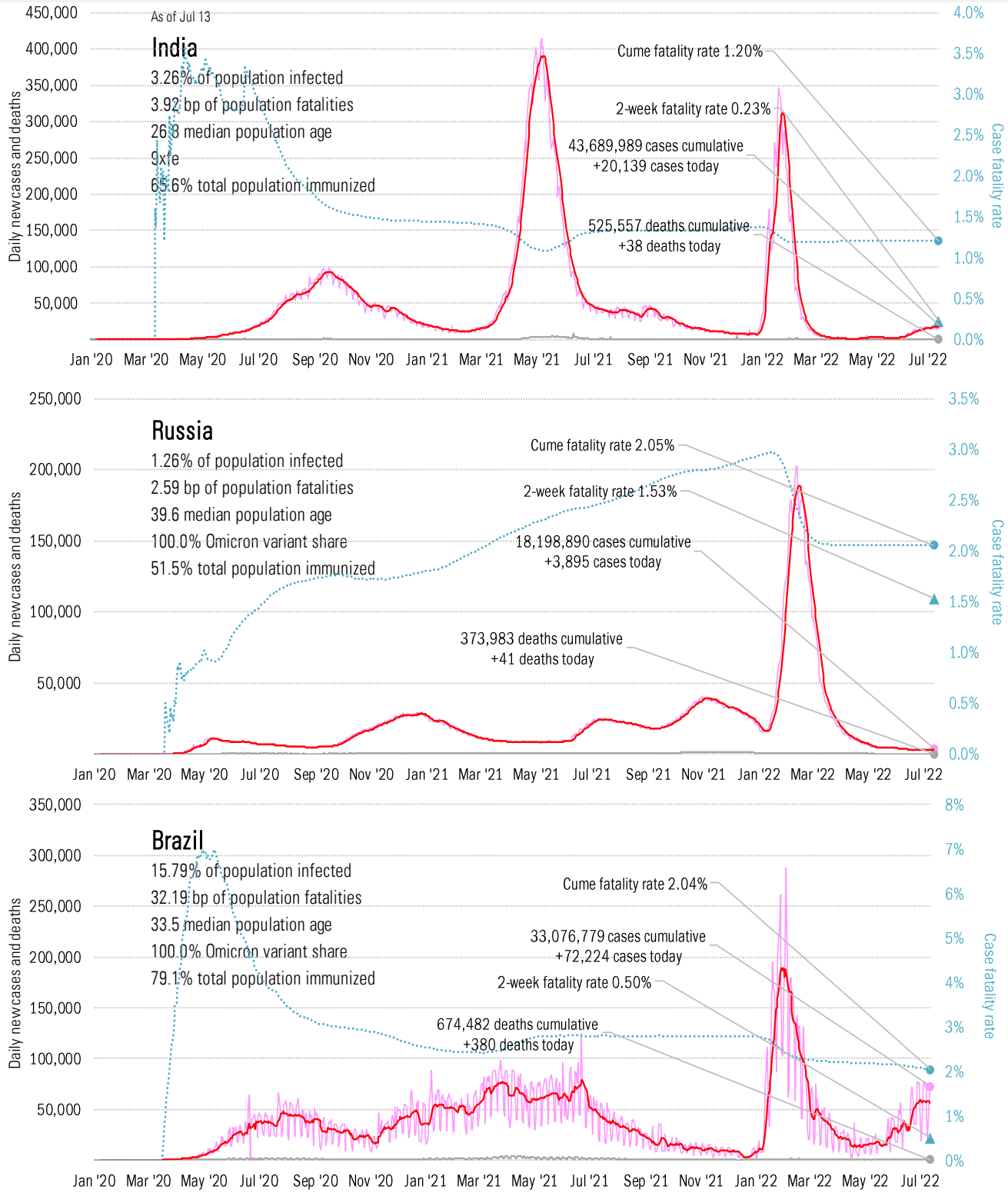
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

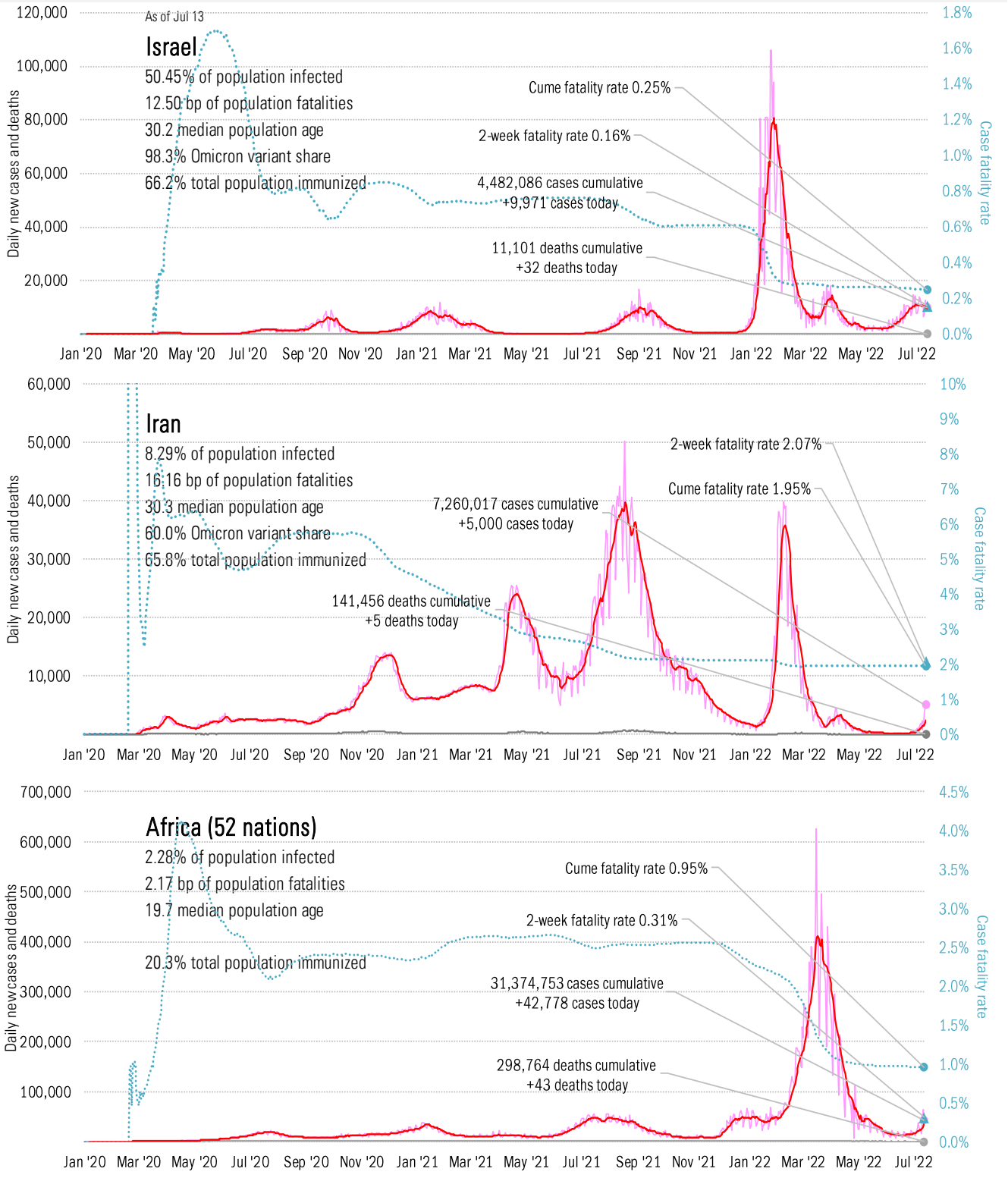
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

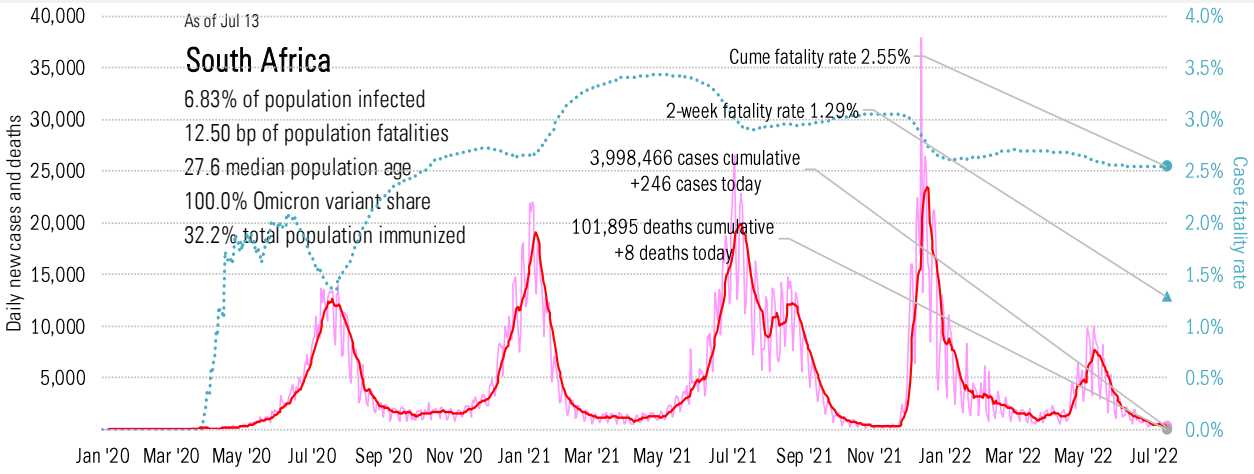
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations