

Data Insights: Covid-2019 Monitor

Sunday, July 10, 2022

The global scorecard

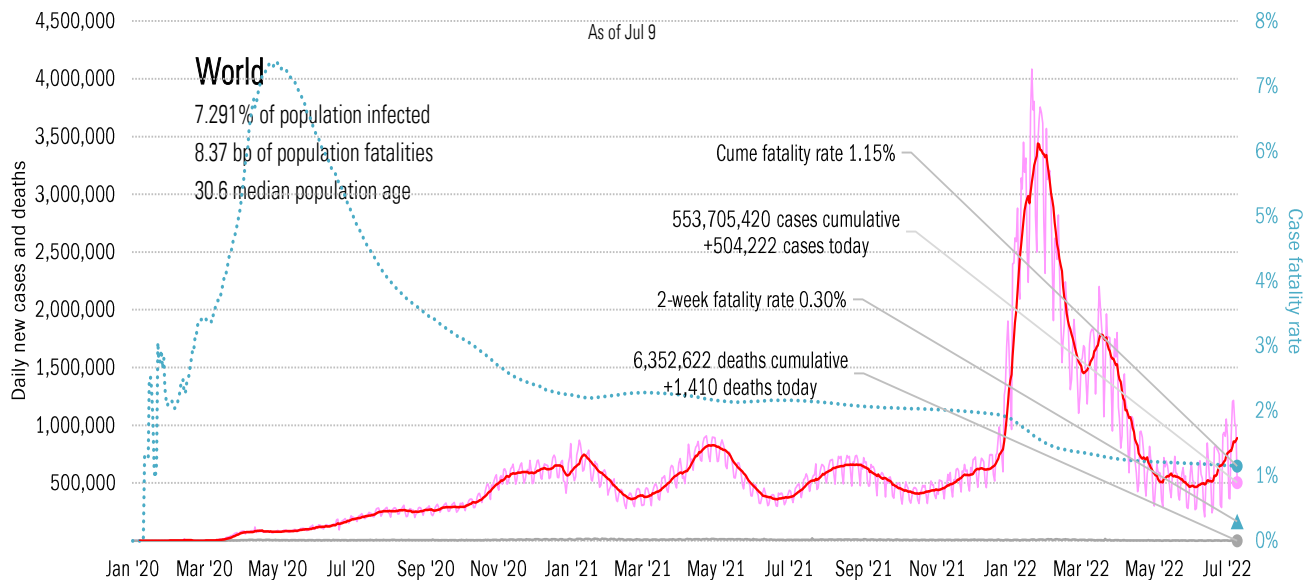
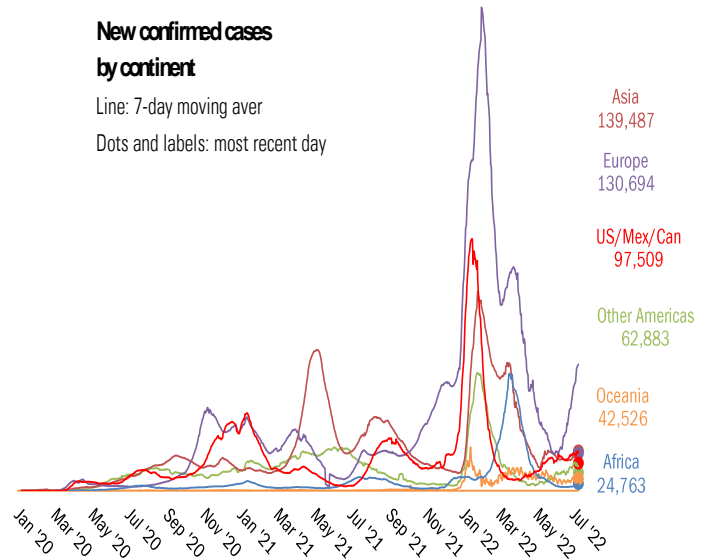
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Italy	98,901	United States	551
Mexico	64,764	Brazil	215
Japan	54,984	Mexico	101
Brazil	43,657	Taiwan*	94
Australia	34,730	Italy	93
United States	31,285	India	42
Taiwan*	28,122	Russia	42
Korea, South	20,410	Thailand	37
India	18,257	Chile	30
Greece	18,214	Guatemala	28
413,324		1,233	
World	504,222	World	1,410
Top ten	82%	Top ten	87%

New confirmed cases by continent

Line: 7-day moving aver
 Dots and labels: most recent day



Source: [Johns Hopkins](#), TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

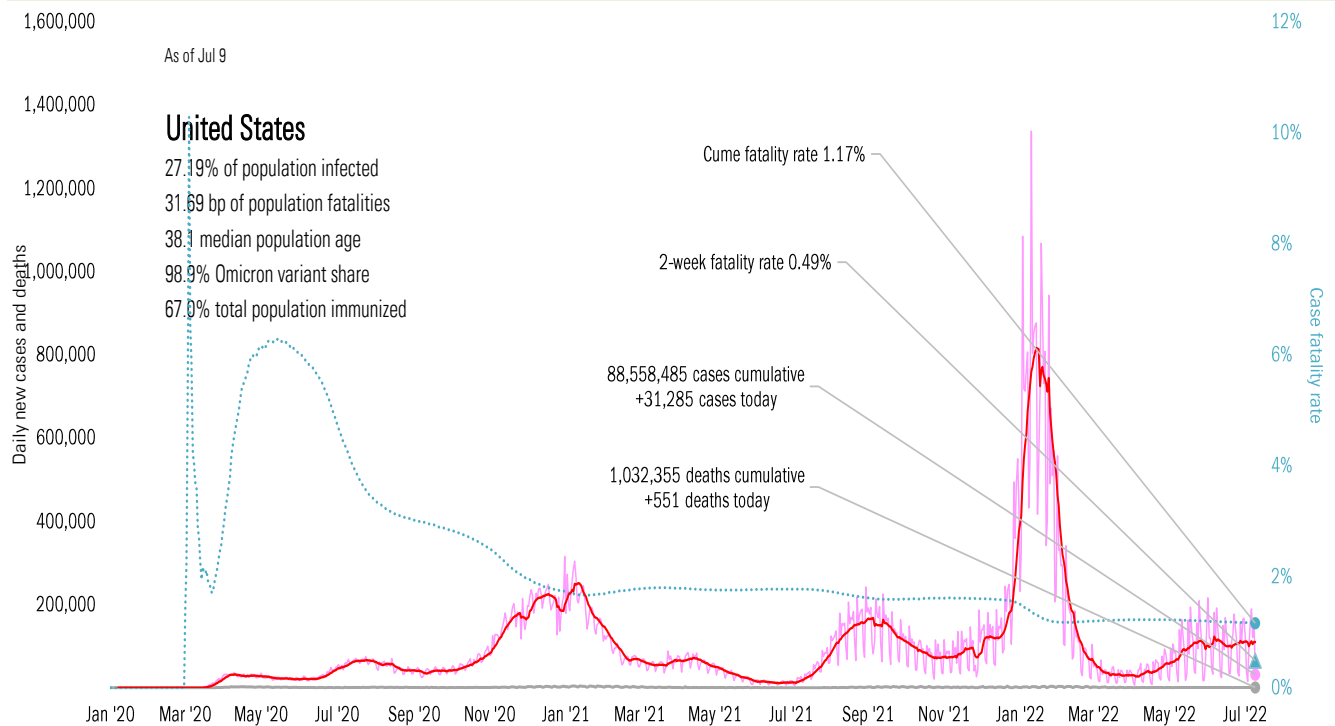
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
US state case and fatality data distorted today due to weekend delays.						TX	687	CA	10,274,349	CA	92,629	TX	509,007	RI	91%	RI	85%				
AZ	2,885	NJ	8	FL	711	TX	7,287,082	TX	88,850	CA	455,964	WA	90%	TX	83%						
FR	2,499	AK	0	LA	156	FL	6,552,468	FL	76,229	FL	449,225	MA	87%	NE	83%						
AR	1,450	AL	0	AL	131	NY	5,665,385	NY	69,799	NY	273,569	MN	86%	WA	82%						
CT	803	AR	0	AZ	140	IL	3,462,948	PA	45,821	GA	211,326	MO	84%	MA	82%						
ME	202	AS	0	MO	137	PA	3,018,129	CH	38,920	CH	201,175	DE	83%	NM	81%						
AK	0	CA	0	WI	104	NC	2,892,680	GA	38,685	PA	188,273	MD	83%	NC	81%						
						CH	2,867,291	IL	38,660	IL	170,260	WV	83%	NV	81%						
						GA	2,667,557	MI	36,982	MI	150,818	NH	82%	AL	81%						
						MI	2,619,533	NJ	34,107	KY	136,808	DC	81%	NH	81%						
31,285			87			3,399			47,307,422			560,682			2,746,425						
All states	31,285				6,311	All states	88,558,485				1,032,355			All states	70%				67%		
Top ten	100%				54%	Top ten	53%				55%			Median	76%				73%		

Some states not reporting

Five most improved US states

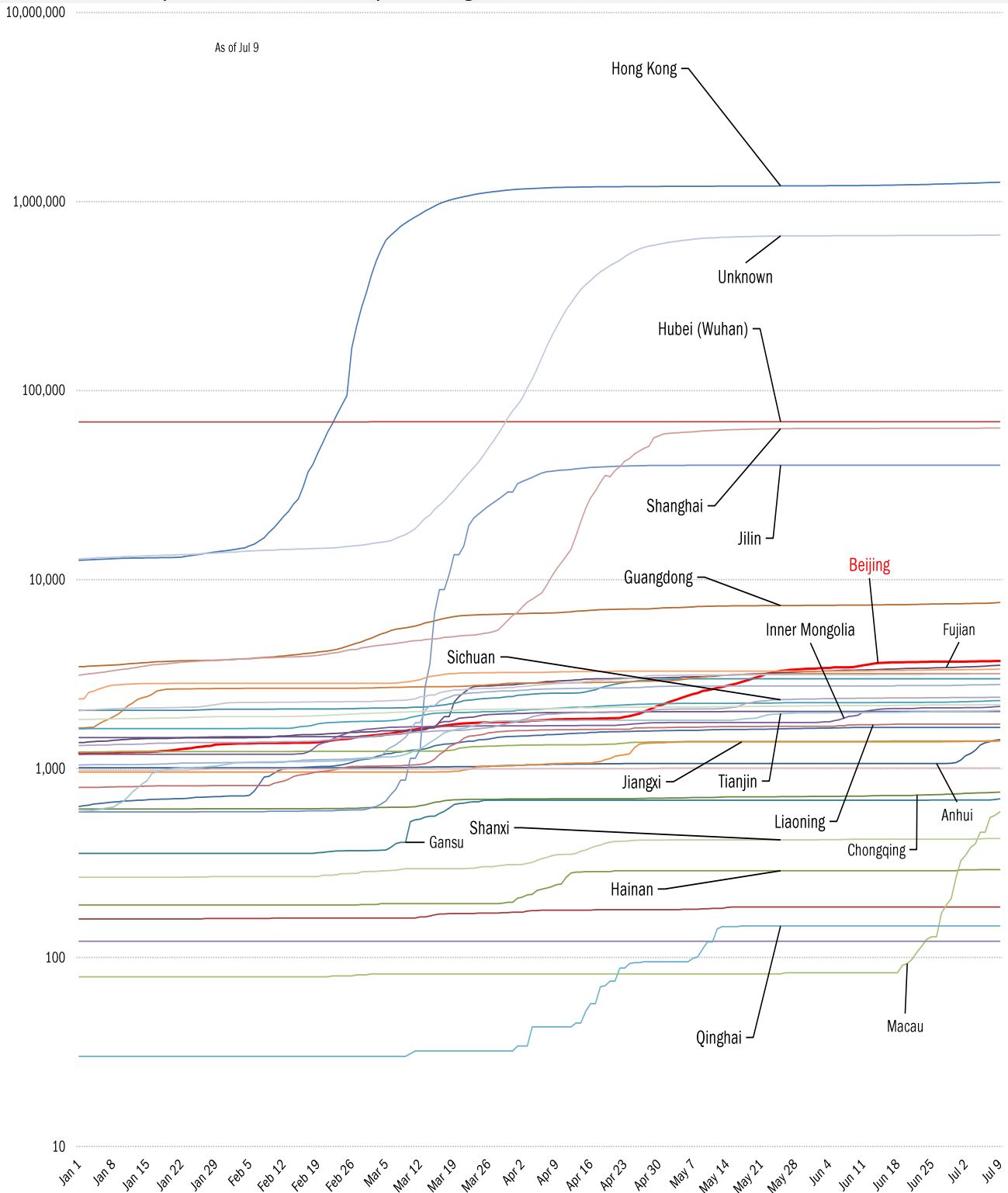
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
CA -39,736	CA -99	OK -39	VA +578 bp
NY -11,318	IN -49	KS -30	TN +524 bp
FR -10,790	WA -41	IL -26	LA +441 bp
MO -10,265	MO -31	ME -22	AR +439 bp
WA -6,902	VA -24	NV -10	IN +437 bp



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"

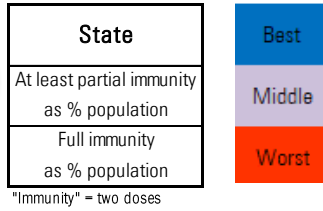
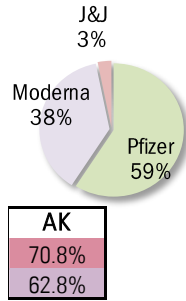


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

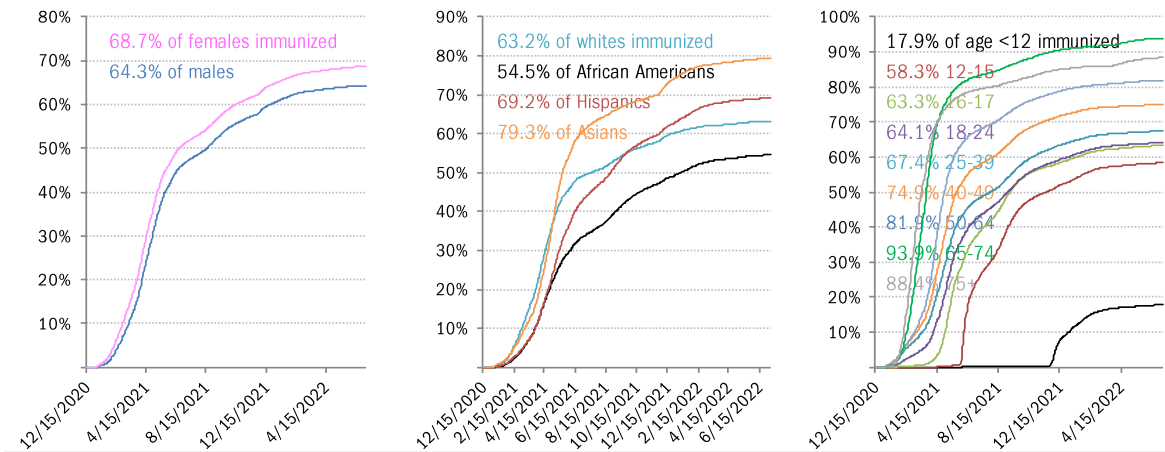
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	612,676,095		+0.208 million	US	67.0%	78.4%
of which boosters	108,590,845		+0.050 million	UK	73.6%	78.6%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	268,330,668	80%	228,738,120	68%	+0.028 million	France 78.5% 80.8%
Age 12 to 17	17,958,024	71%	15,363,062	61%	+0.003 million	Spain 86.8% 88.3%
Age 18 to 64	179,904,326	88%	152,678,815	75%	+0.015 million	Germany 75.5% 77.1%
Age 65 and over	59,439,014	100%	51,975,143	95%	+0.005 million	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%



As of Jul 7

State	Best	Middle	Worst
AK	70.8%	62.8%	
WI	72.5%	66.2%	
ME	92.2%	80.6%	
NY	91.2%	77.9%	
VT	94.8%	82.0%	
NH	89.7%	71.7%	
OR	78.7%	70.3%	
NV	76.2%	61.5%	
WY	58.7%	51.4%	
SD	77.9%	62.7%	
IA	68.5%	62.5%	
IN	62.7%	56.5%	
OH	63.8%	58.8%	
PA	86.3%	69.7%	
NJ	91.5%	76.5%	
MA	95.0%	80.1%	
CA	83.1%	72.9%	
UT	72.8%	64.8%	
CO	80.4%	70.9%	
NE	71.0%	64.1%	
MO	66.9%	56.7%	
KY	66.8%	57.9%	
WV	65.6%	58.2%	
VA	86.9%	73.9%	
MD	87.8%	76.5%	
CT	95.0%	80.2%	
RI	95.0%	83.8%	
AZ	74.4%	62.5%	
NM	89.2%	72.1%	
KS	73.3%	62.6%	
AR	67.5%	55.1%	
TN	62.8%	55.0%	
NC	86.0%	62.6%	
SC	68.5%	57.7%	
DC	95.0%	76.3%	
DE	84.3%	70.2%	
OK	71.9%	58.0%	
LA	61.6%	54.0%	
MS	60.2%	52.3%	
AL	63.3%	51.6%	
GA	66.2%	55.5%	
HI	88.6%	79.1%	
TX	74.5%	62.4%	
FL	80.2%	67.7%	
PR	95.0%	83.7%	

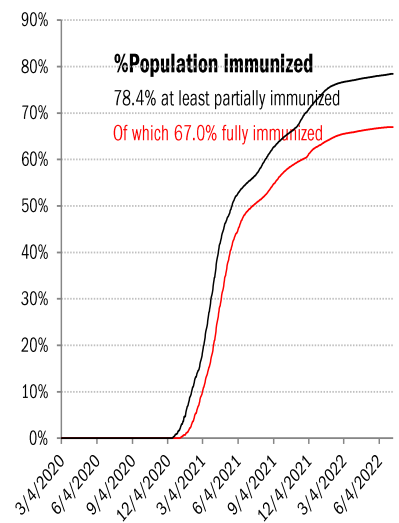
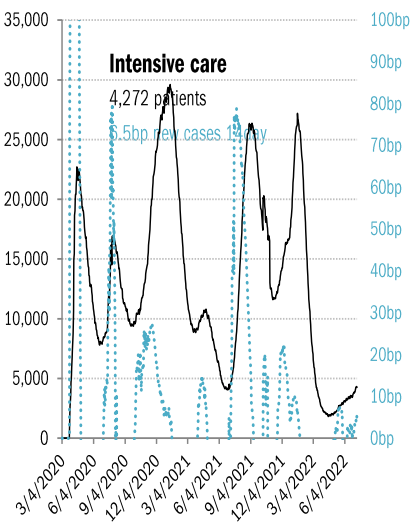
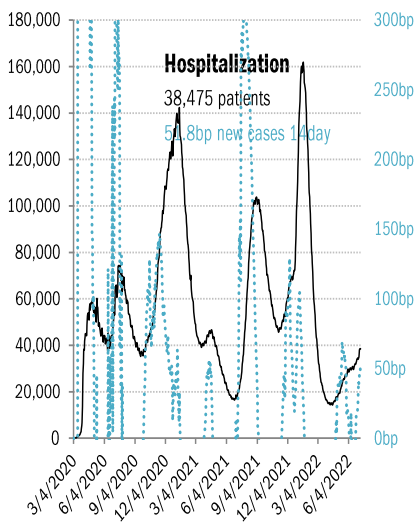
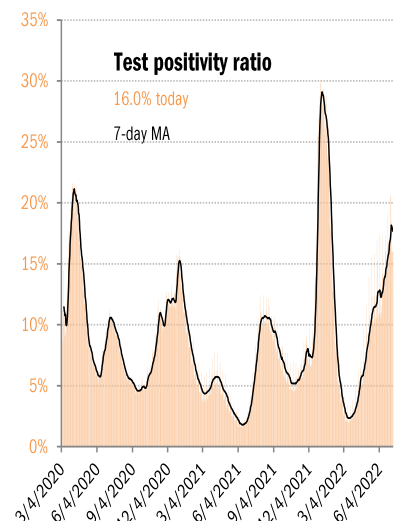
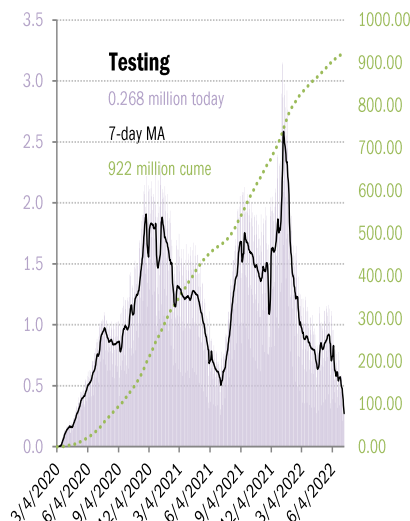
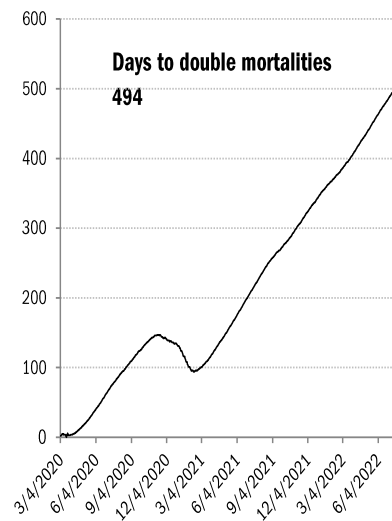
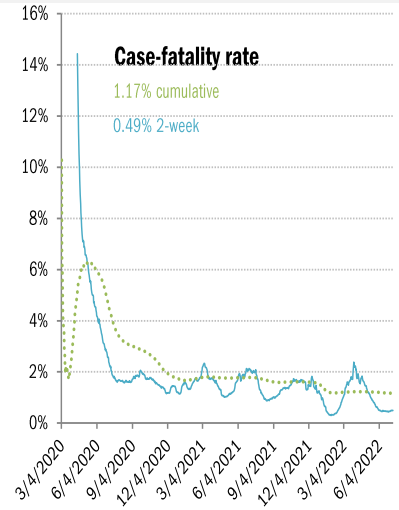
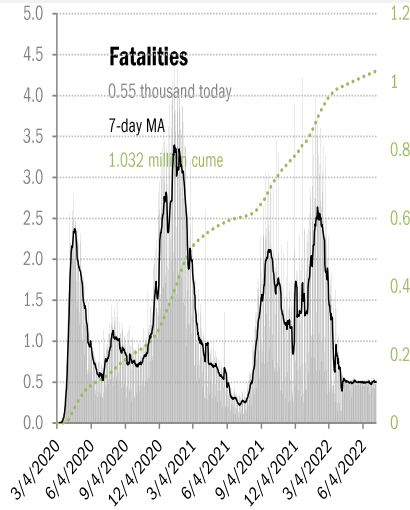
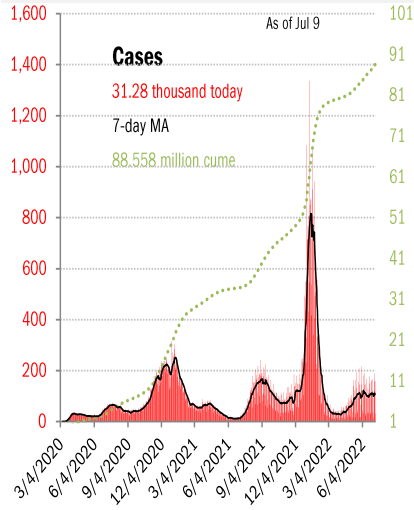
The demographics of US vaccination



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

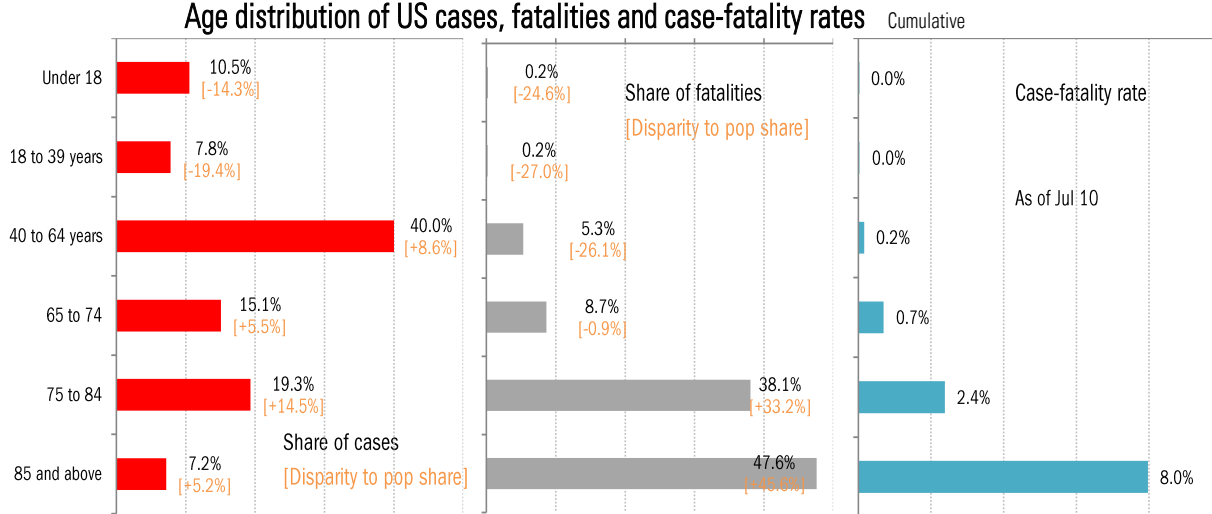
US deep-dive

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

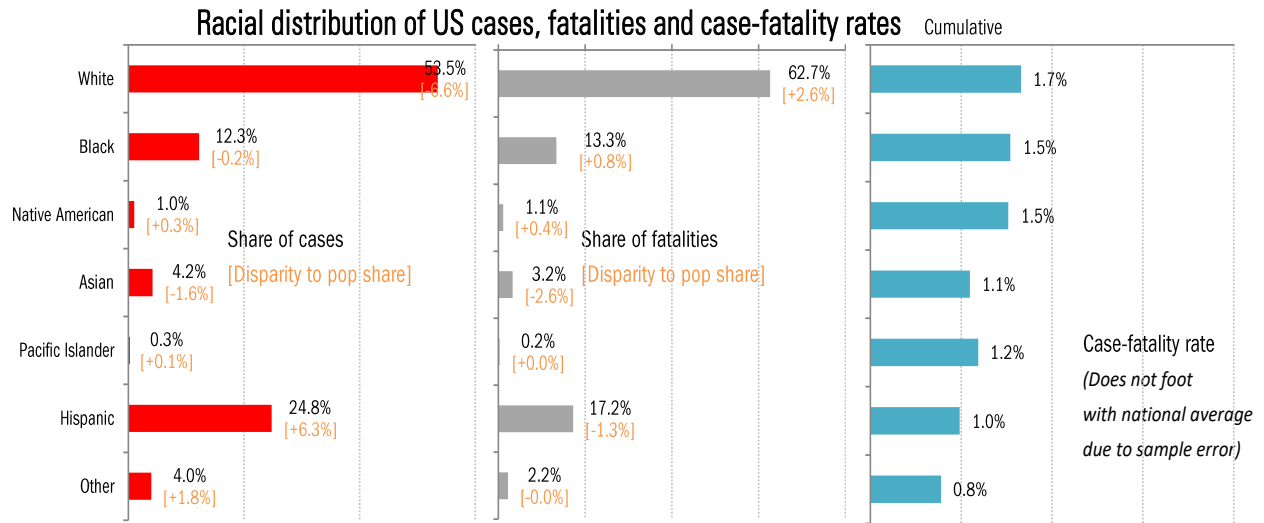


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

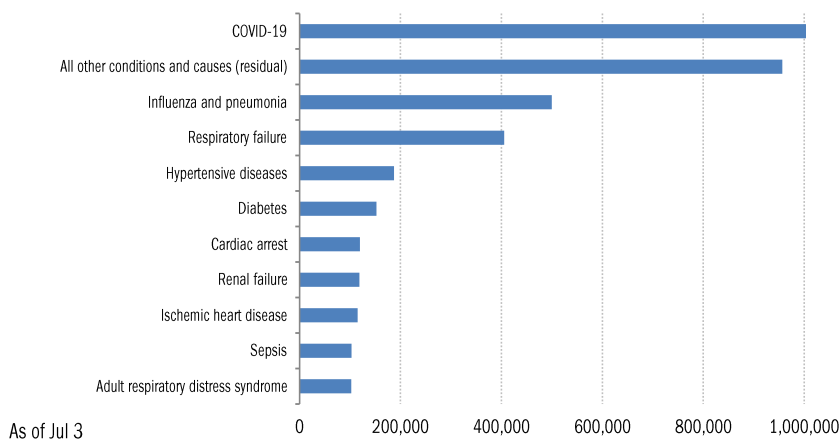


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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.

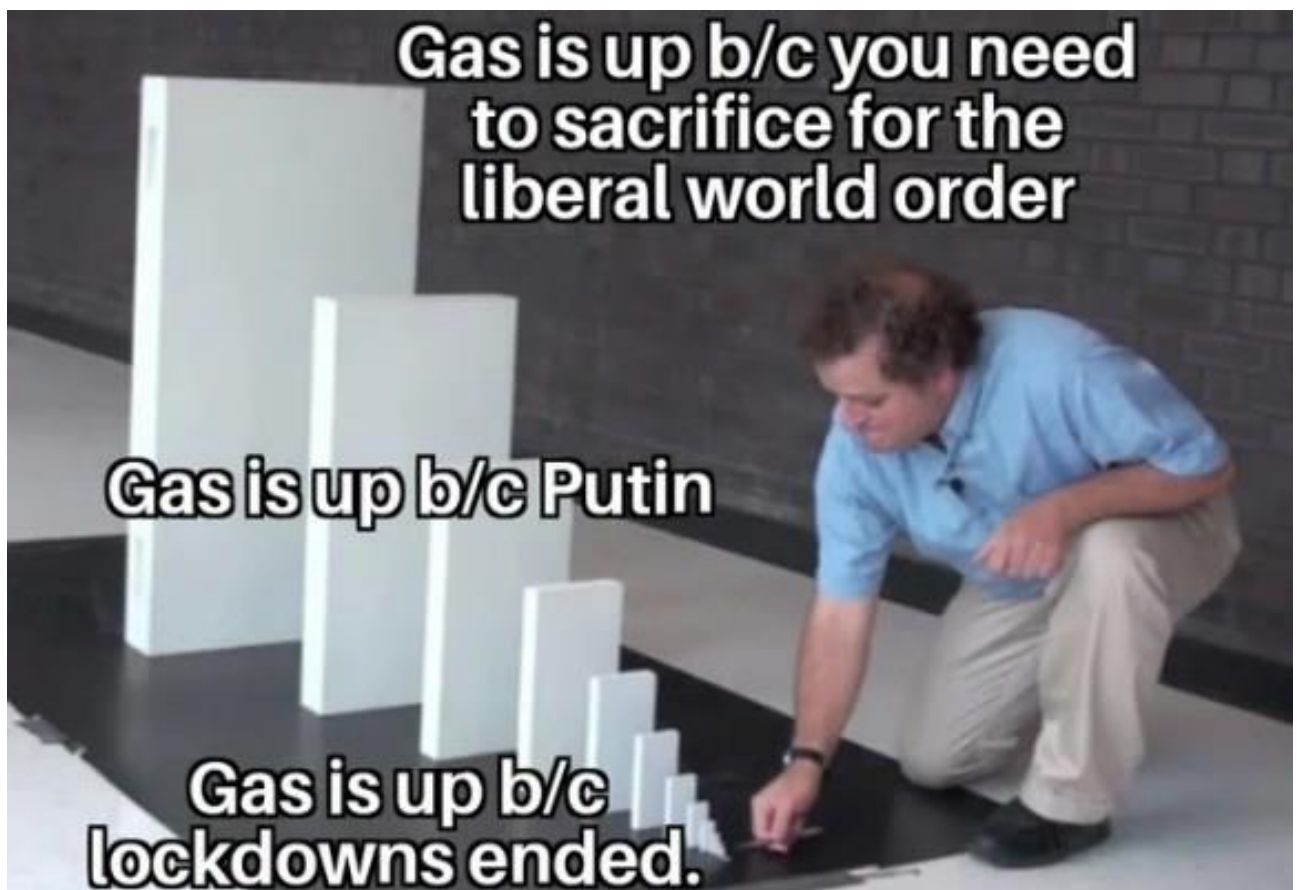
Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[The Age of Distracti-pression](#)

Casey Schwartz
New York Times
July 9, 2022

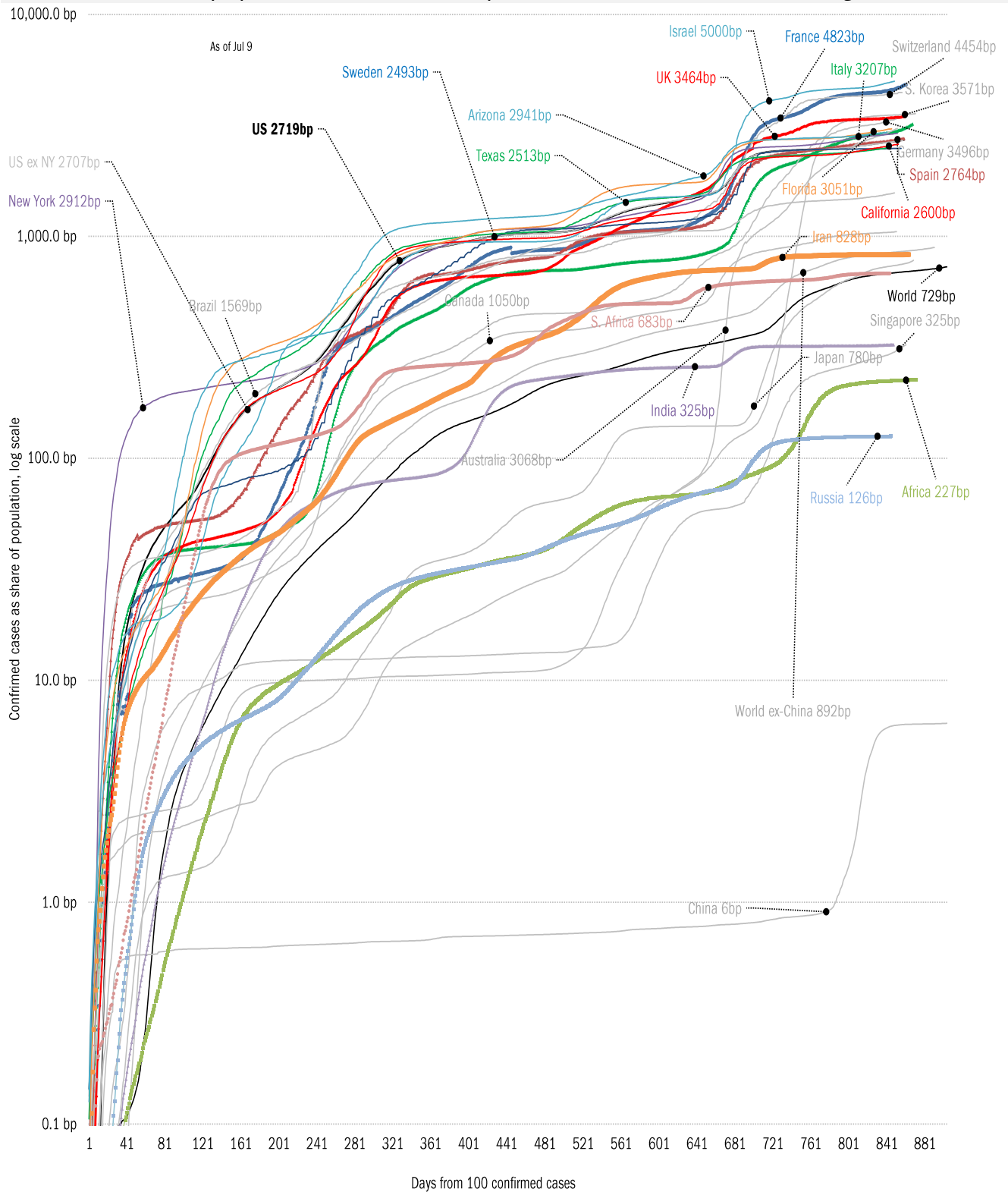
Meme of the day (a little walk down short-term memory lane)



Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

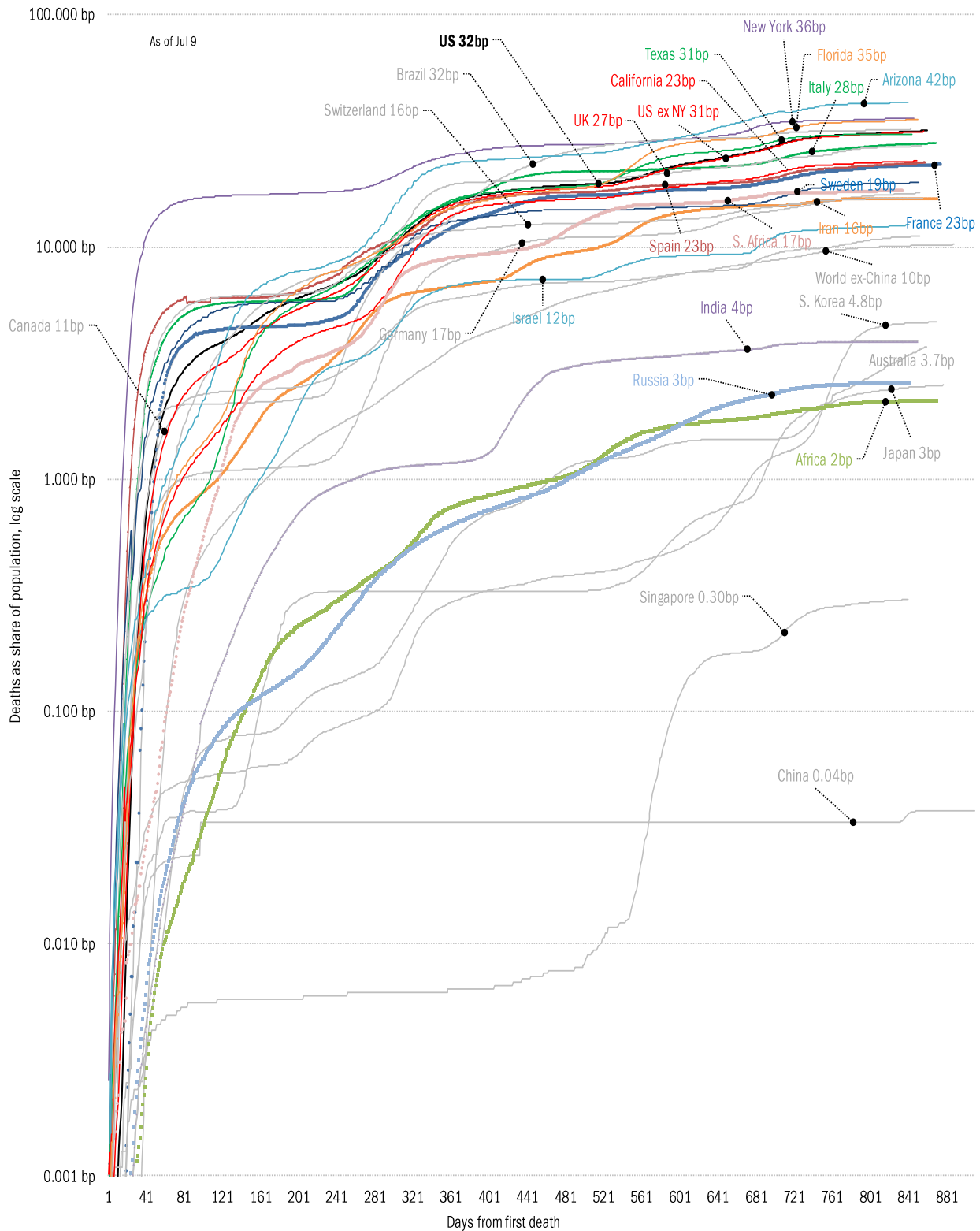
The global coronavirus case accelerometer... tracking the world's infection curves

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

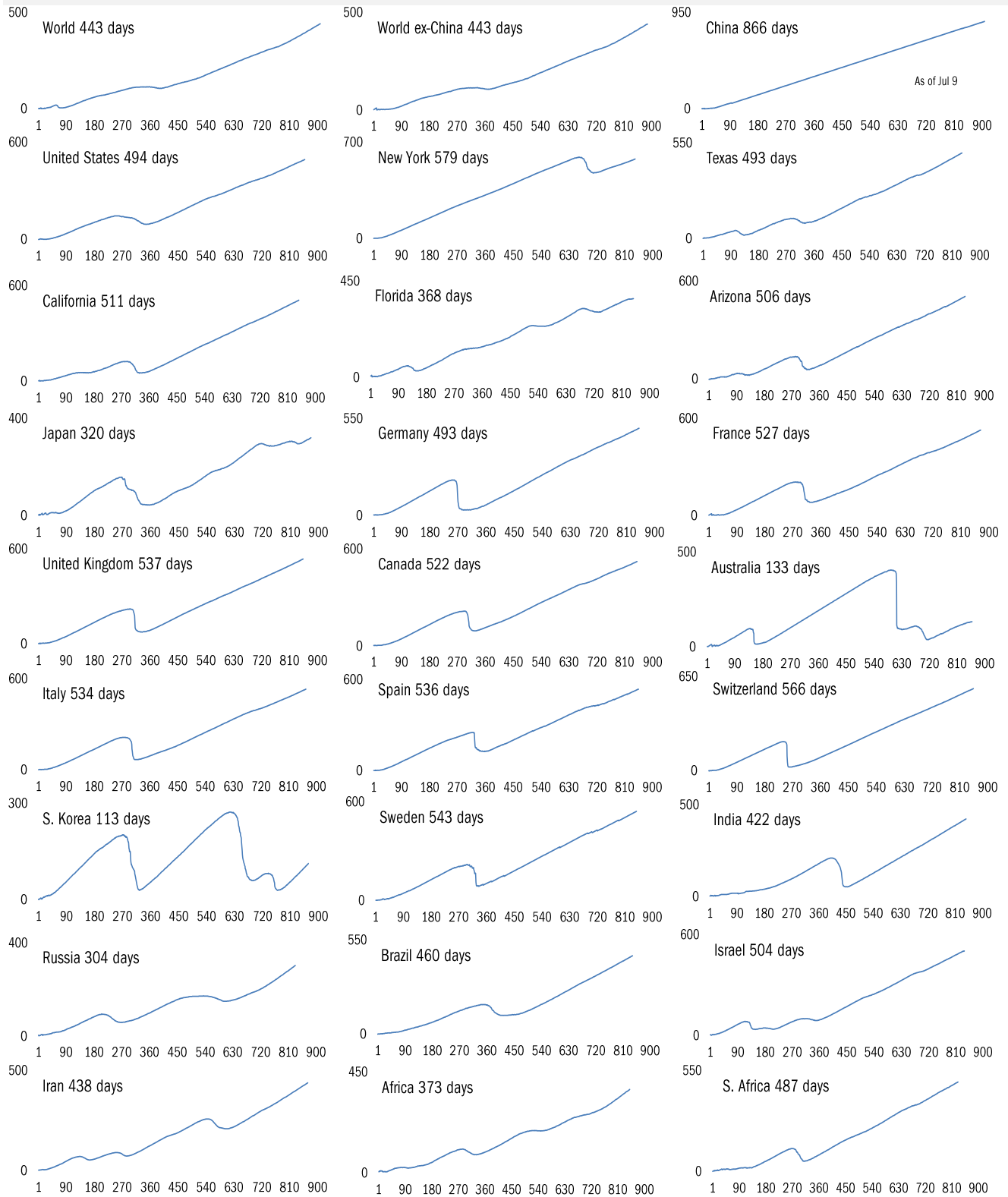


Source: [Johns Hopkins](#), TrendMacro calculations

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

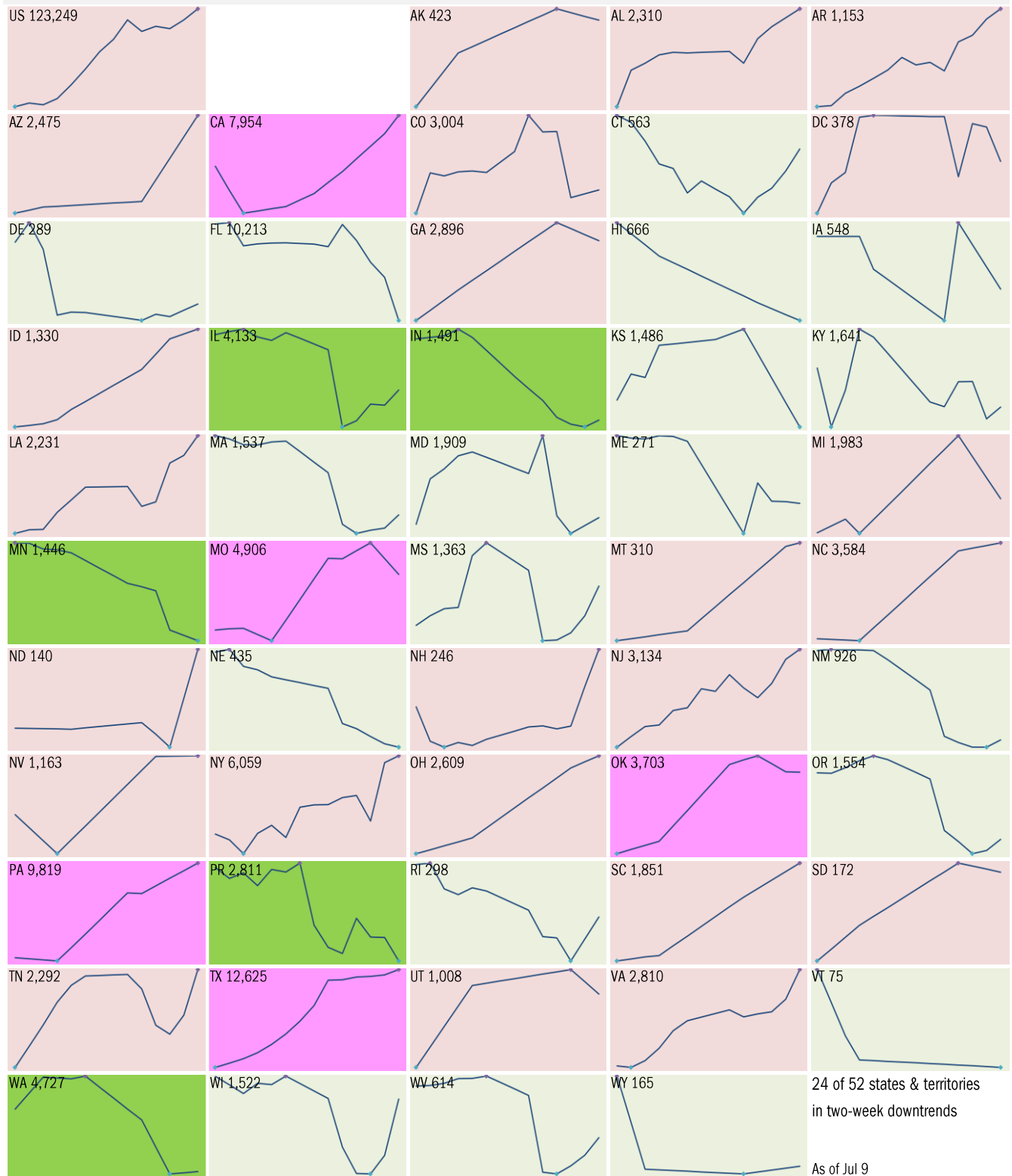


Source: [Johns Hopkins](#), TrendMacro calculations

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

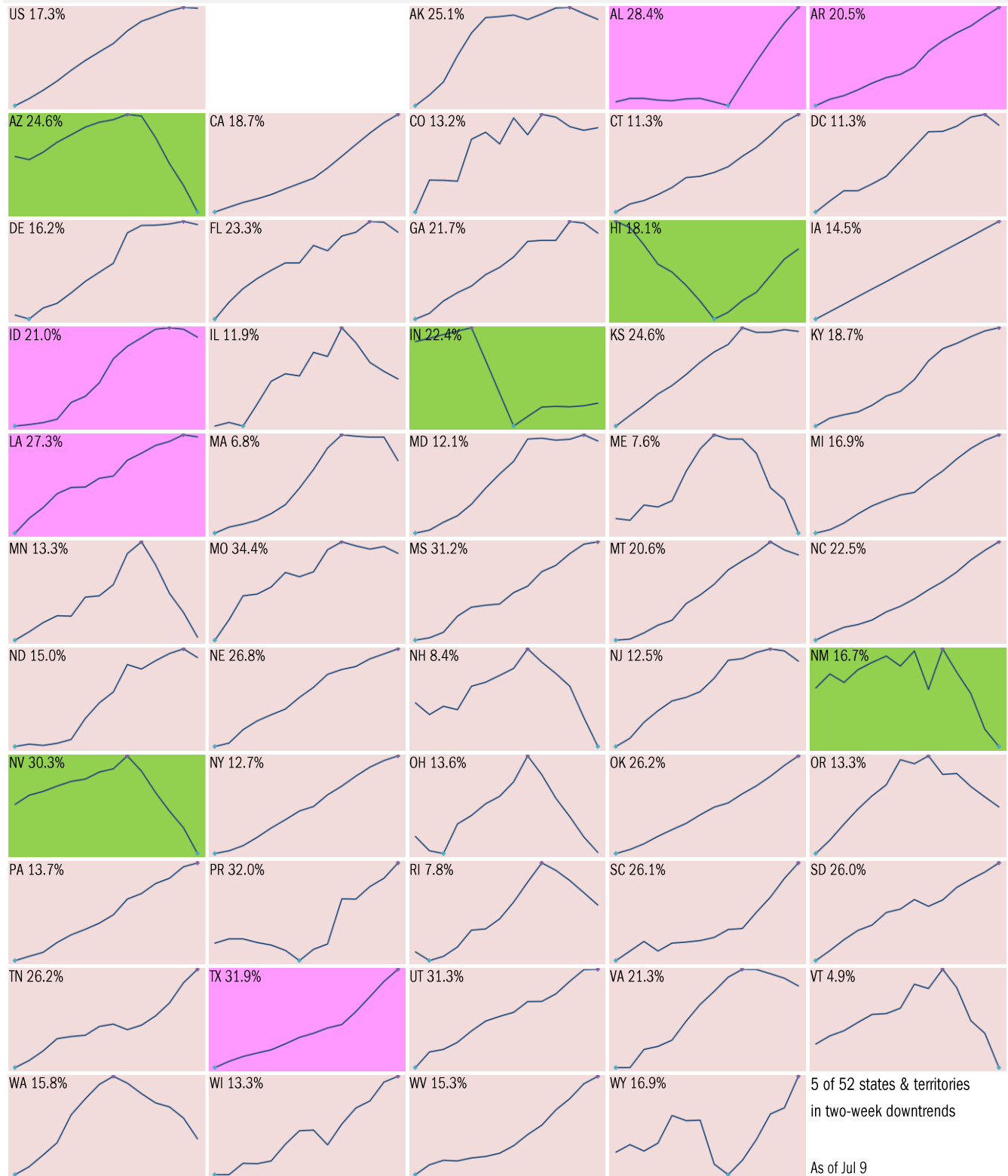


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

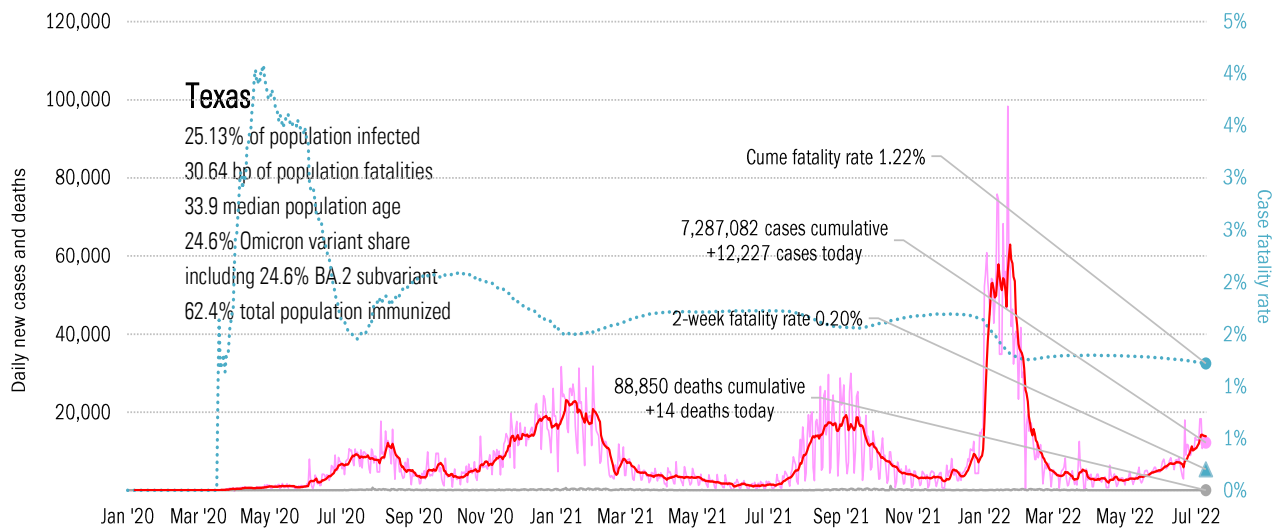
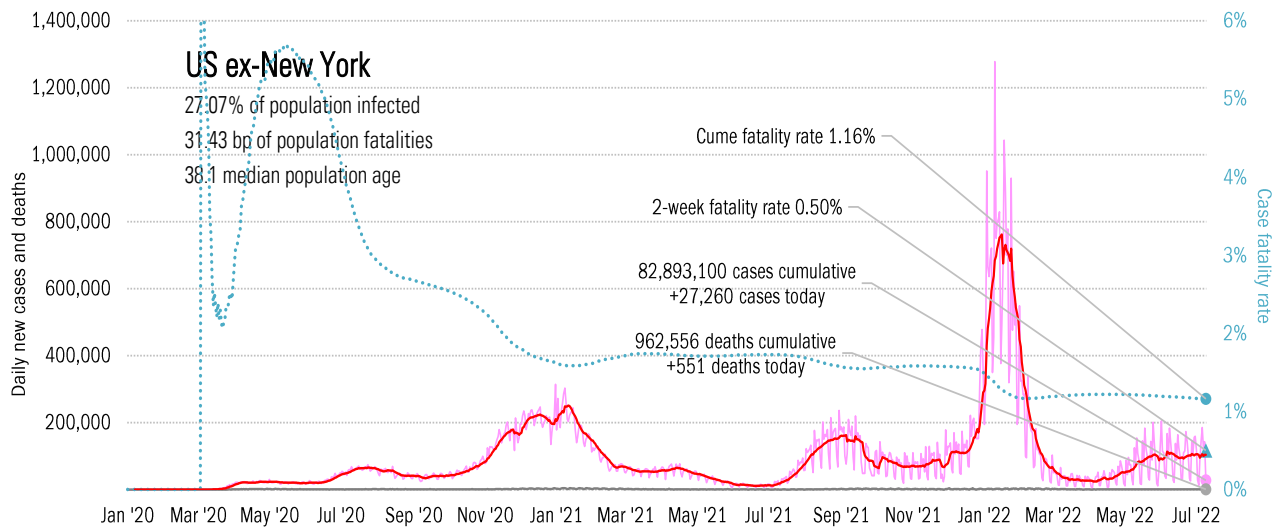
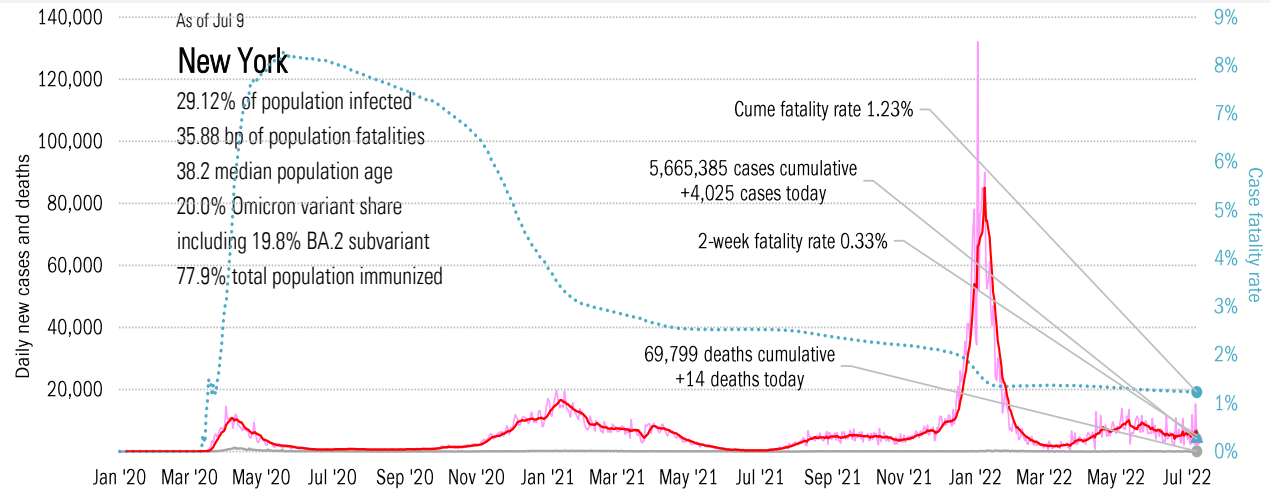
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande

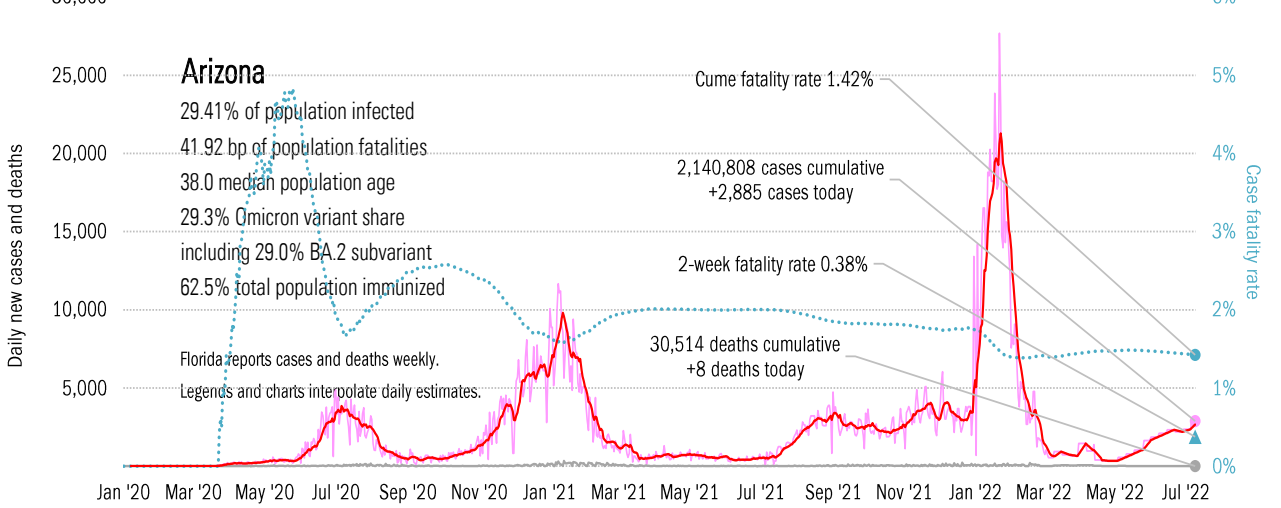
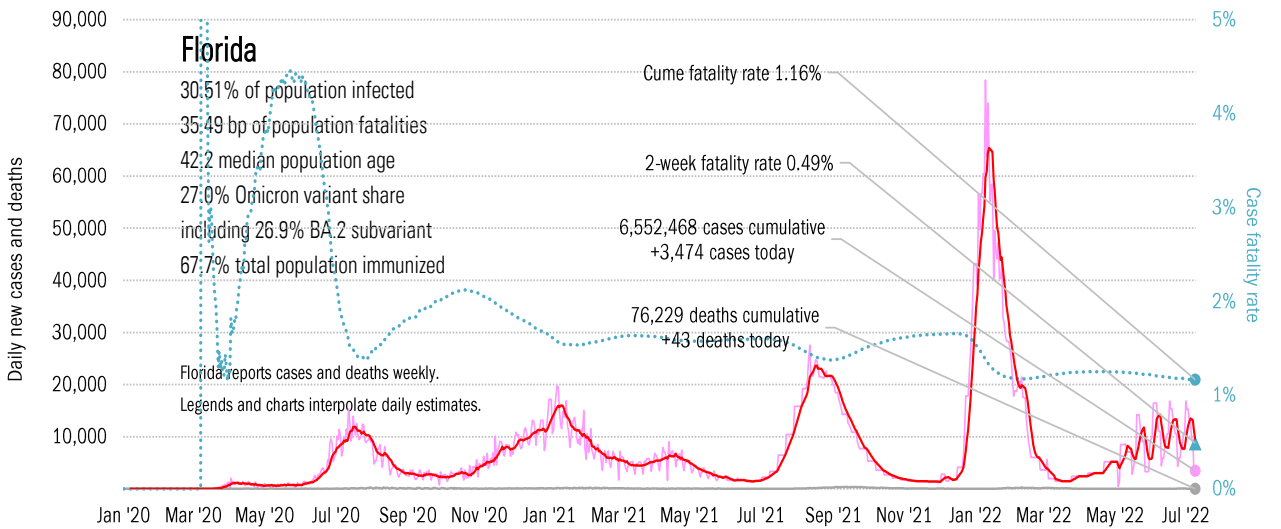
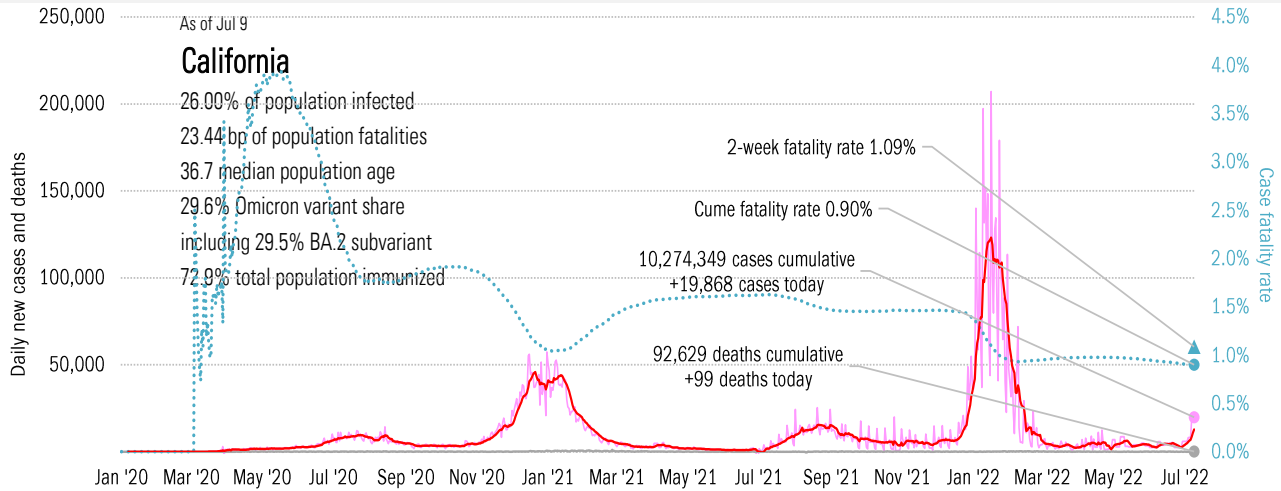
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

The sun-belt hot-spot states

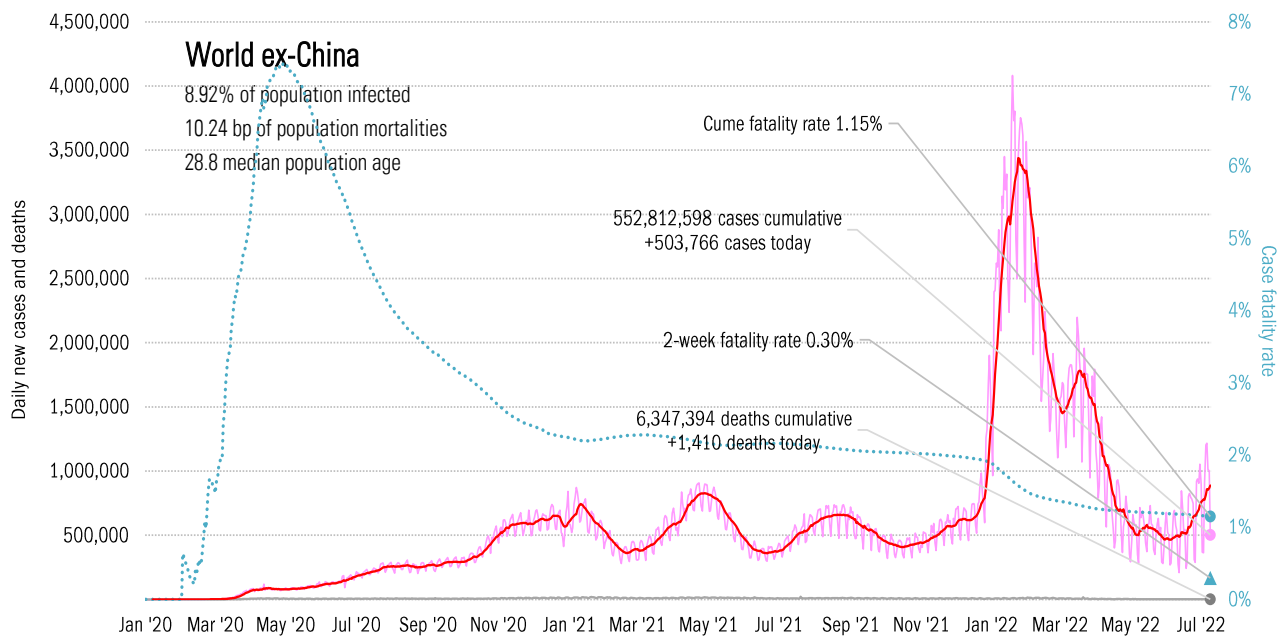
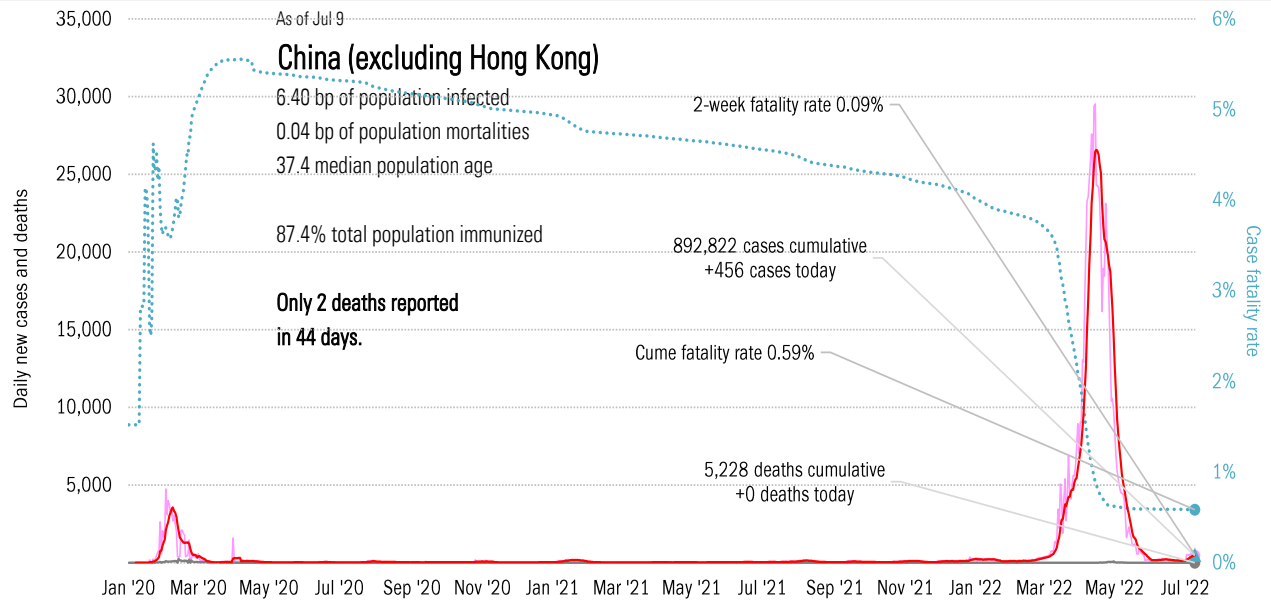
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else

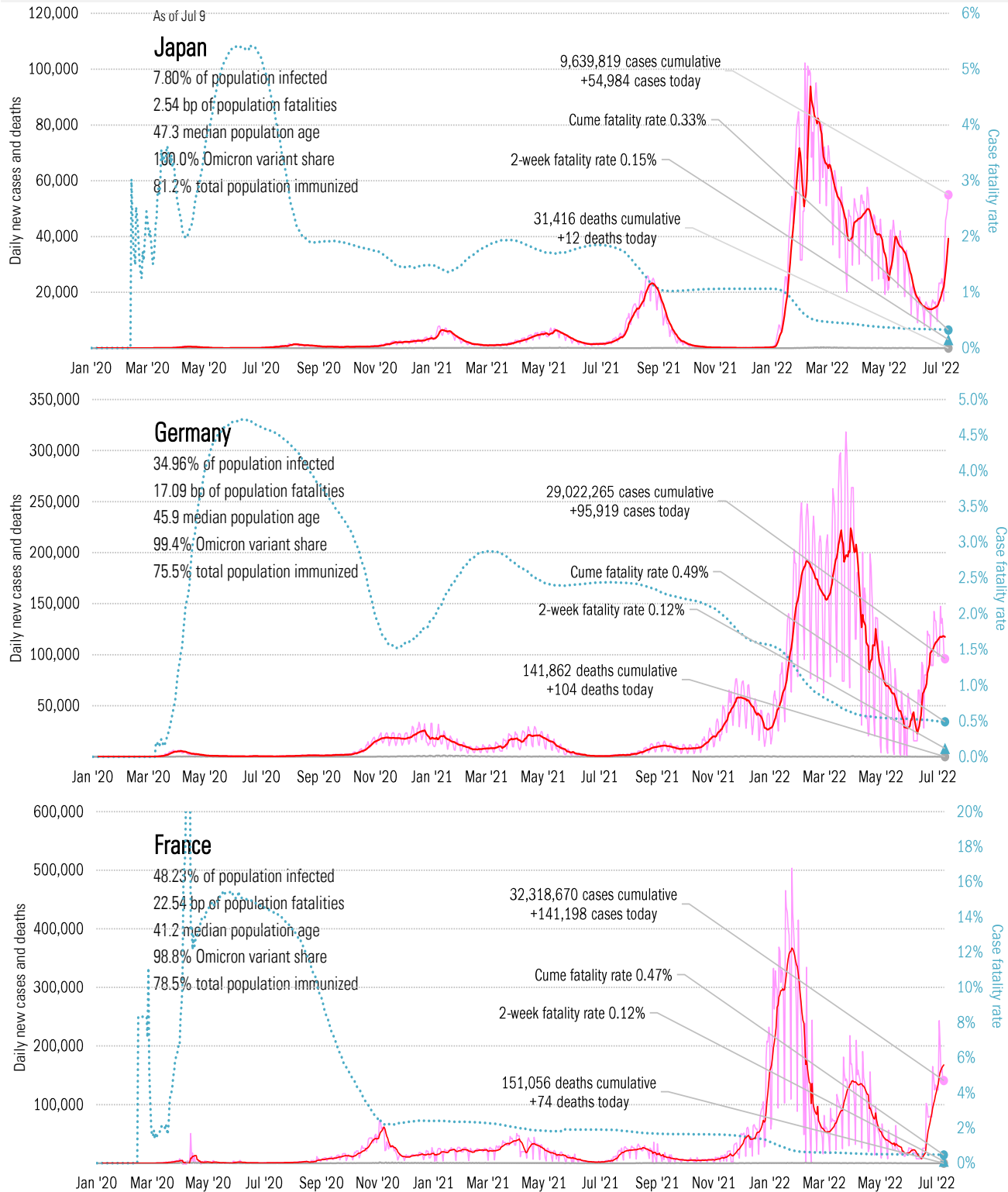
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies

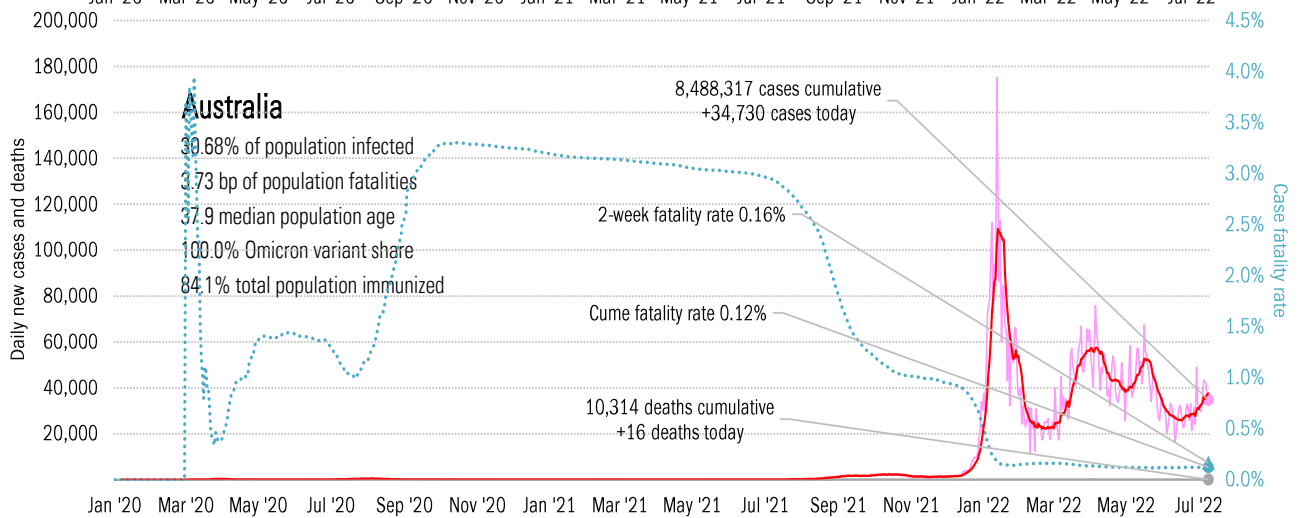
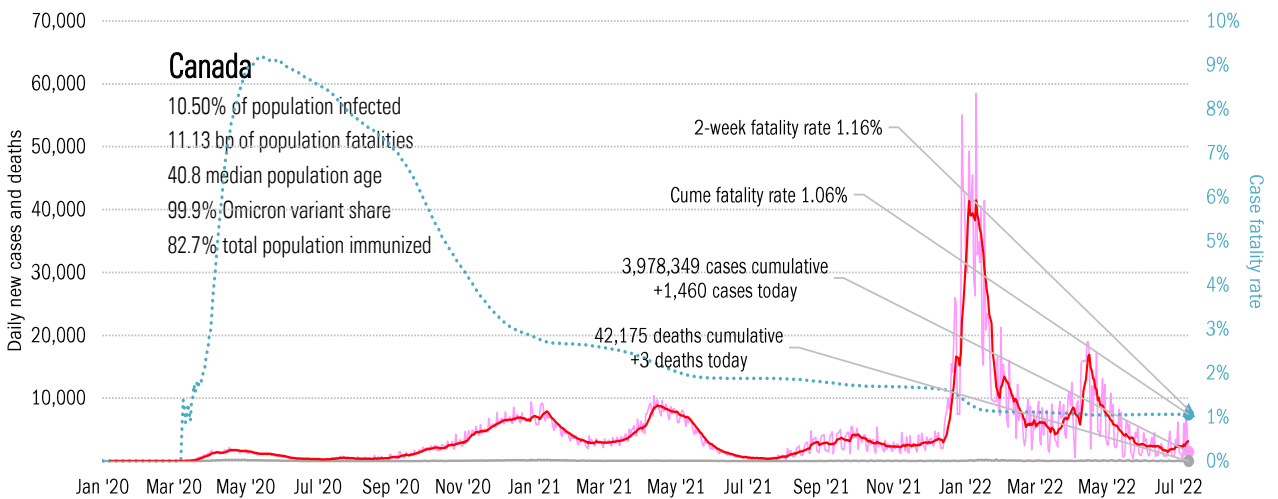
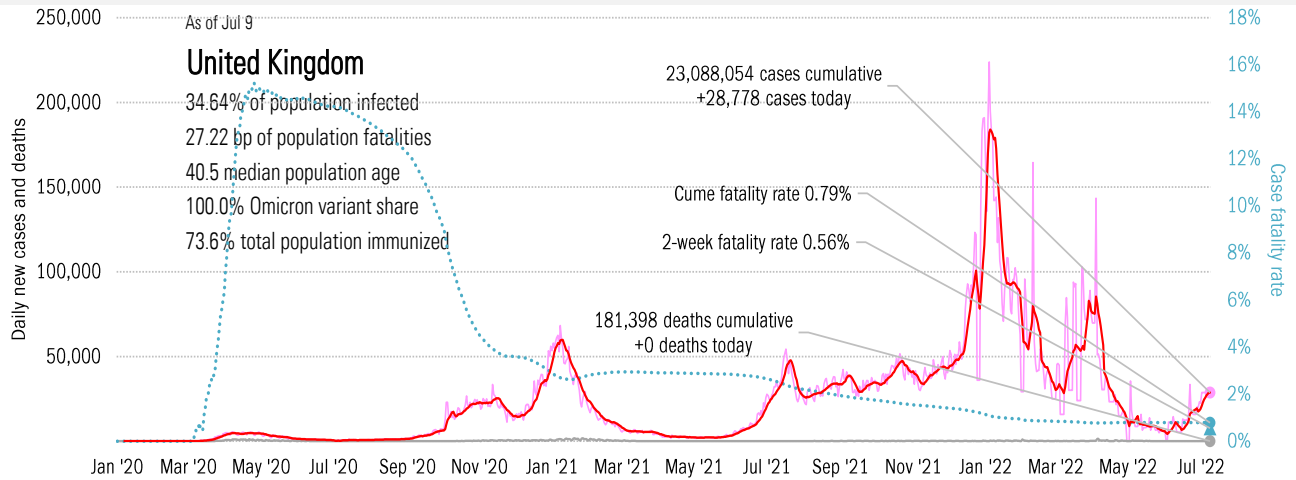
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere

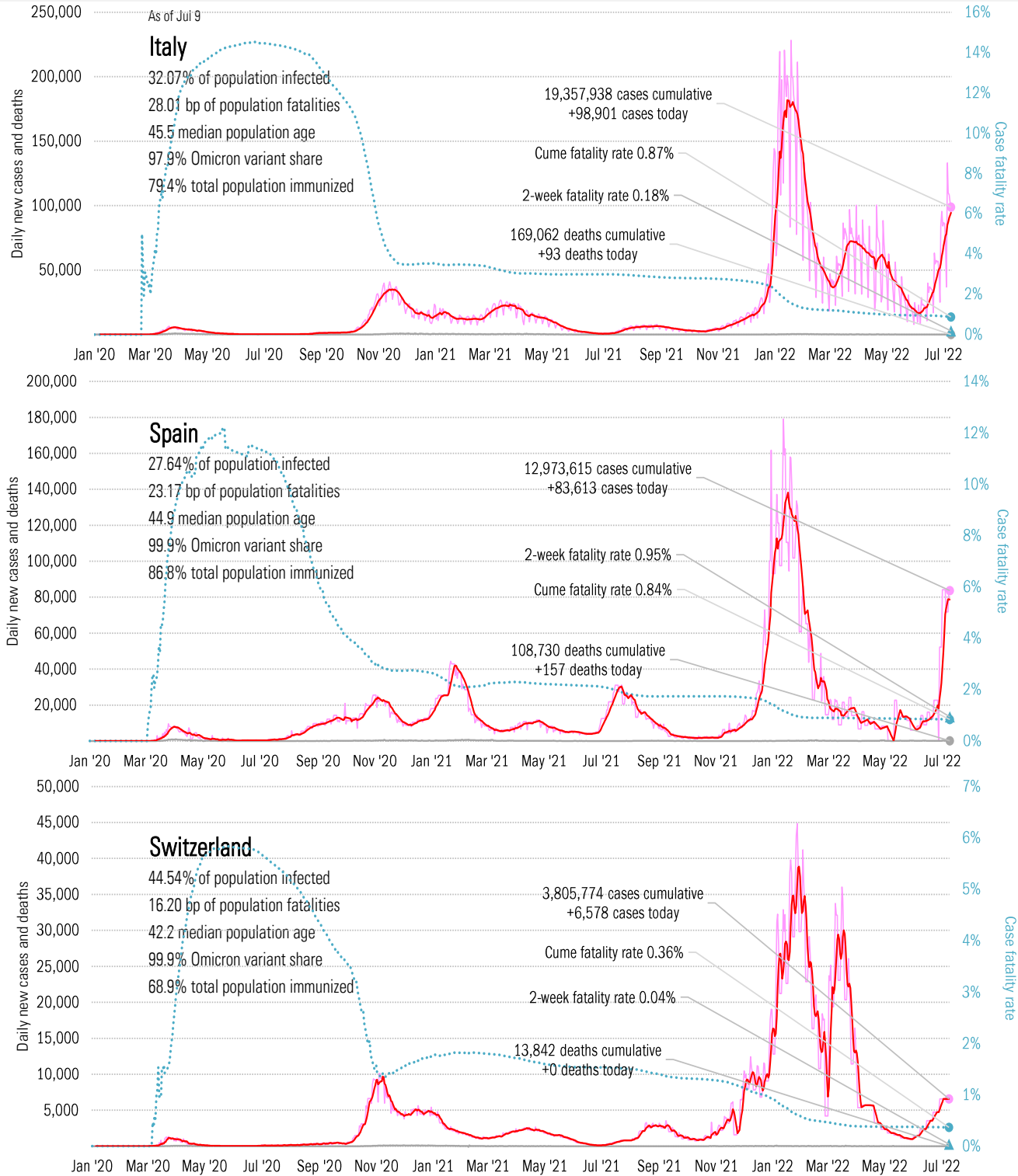
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe

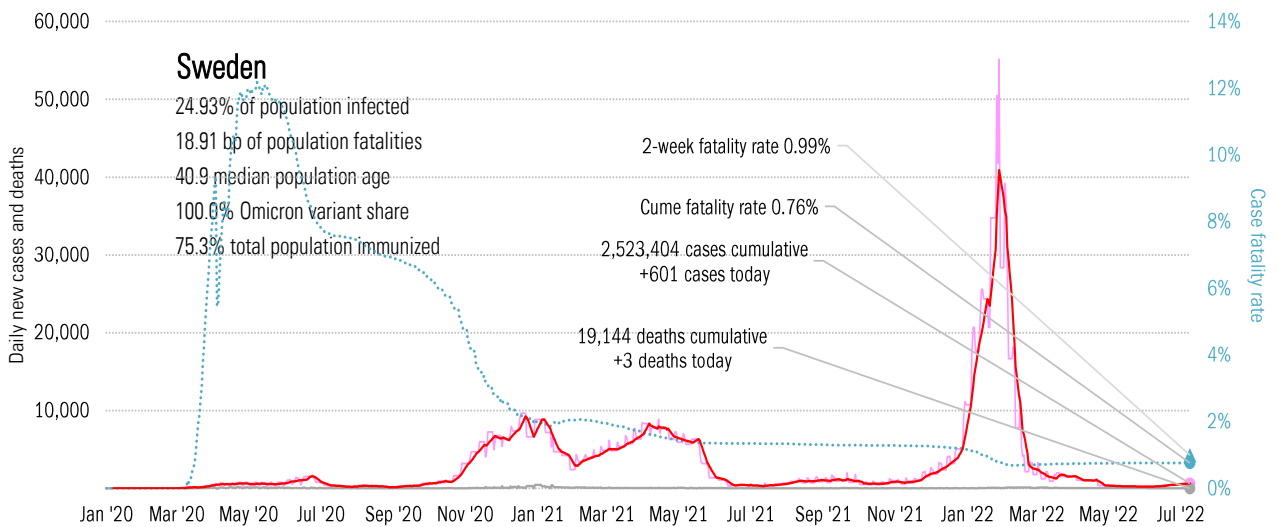
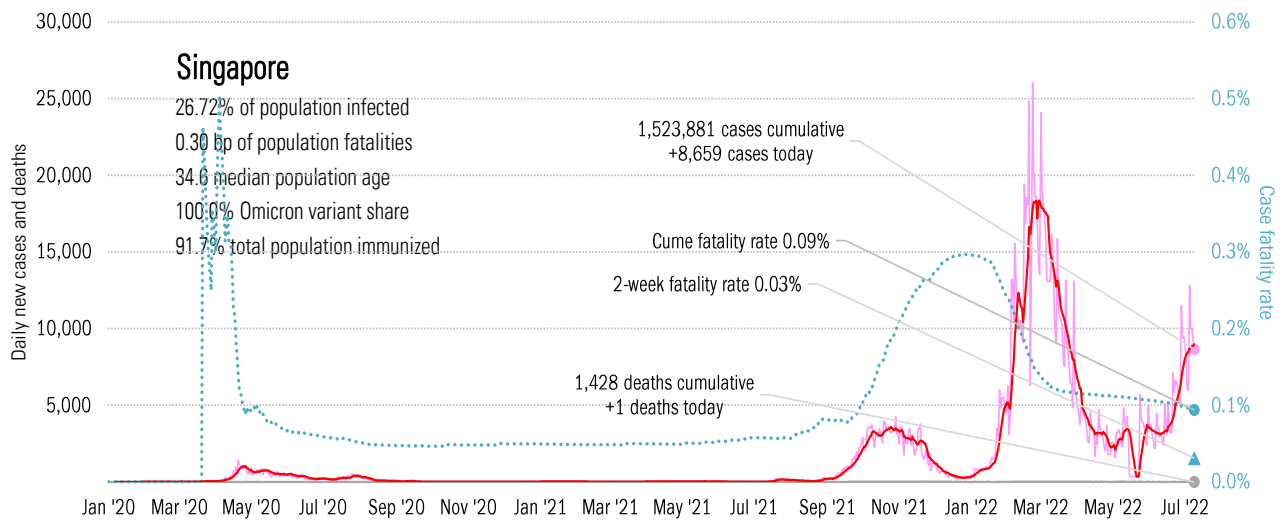
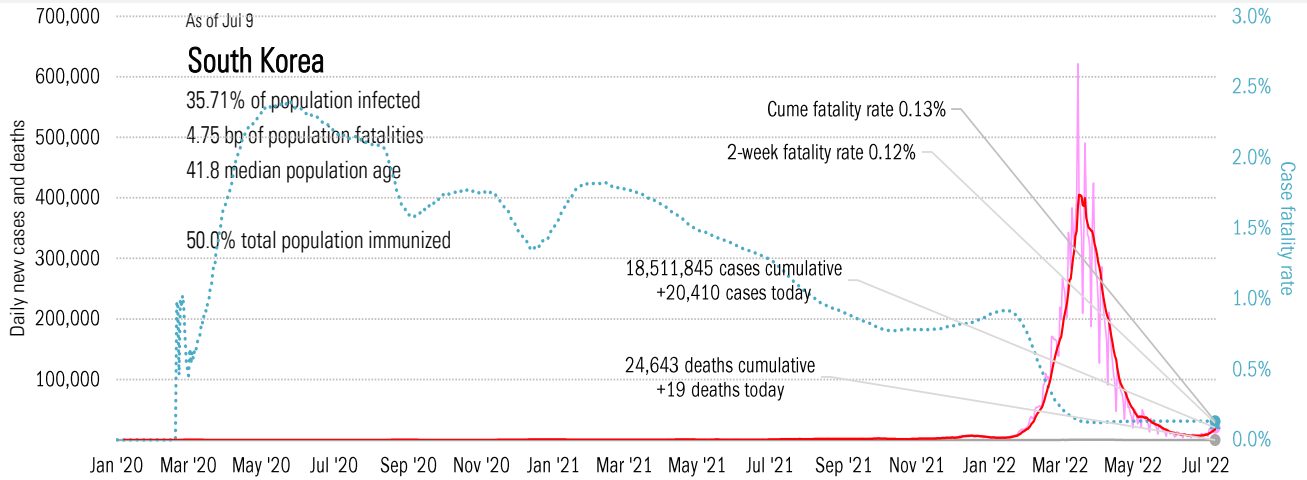
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots

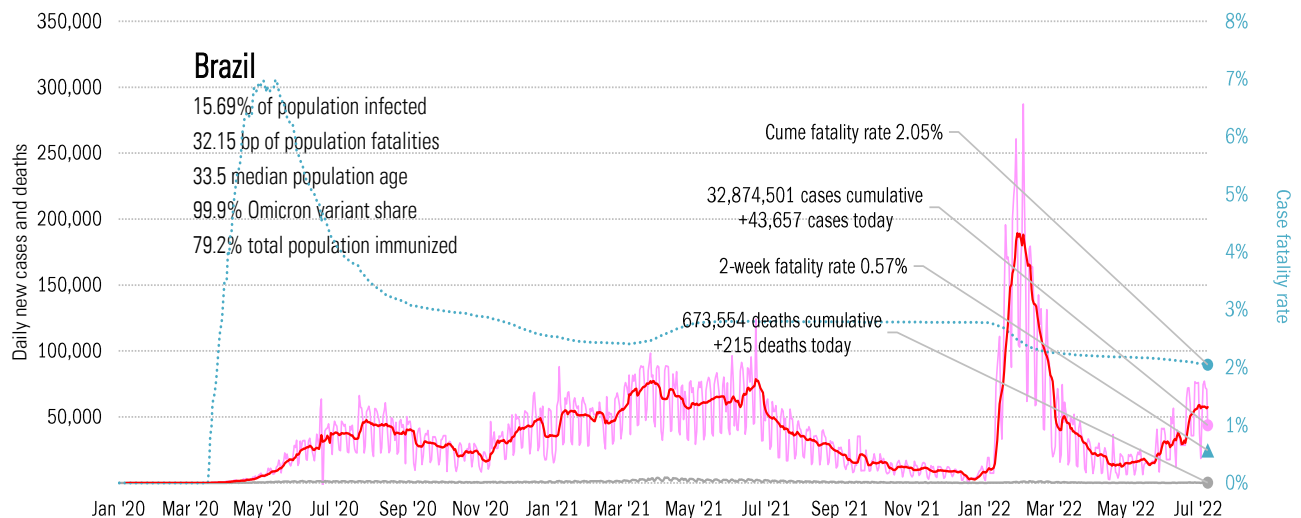
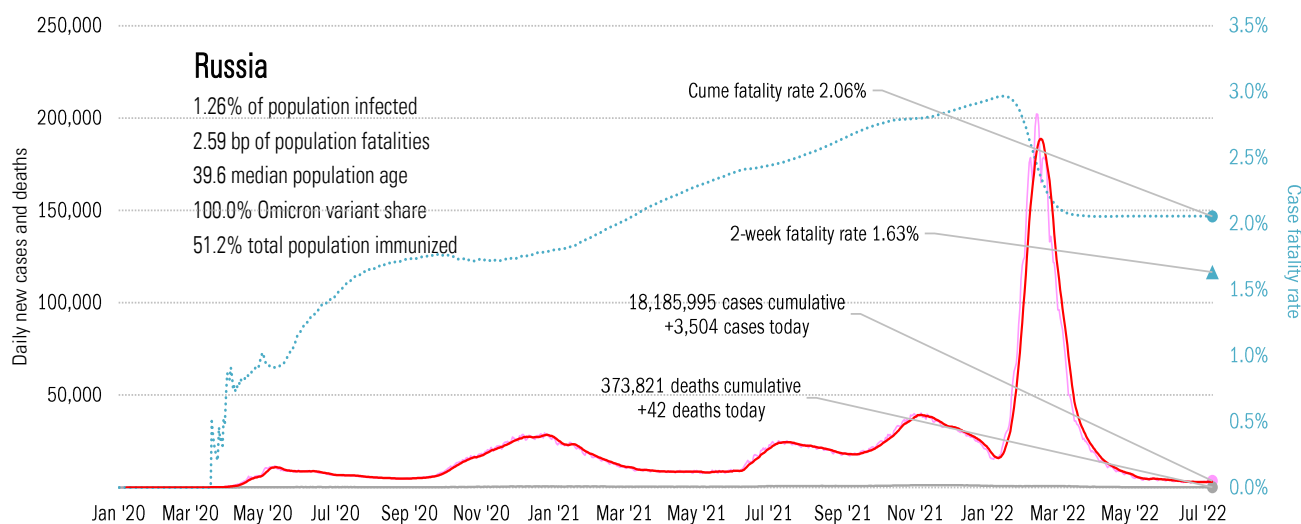
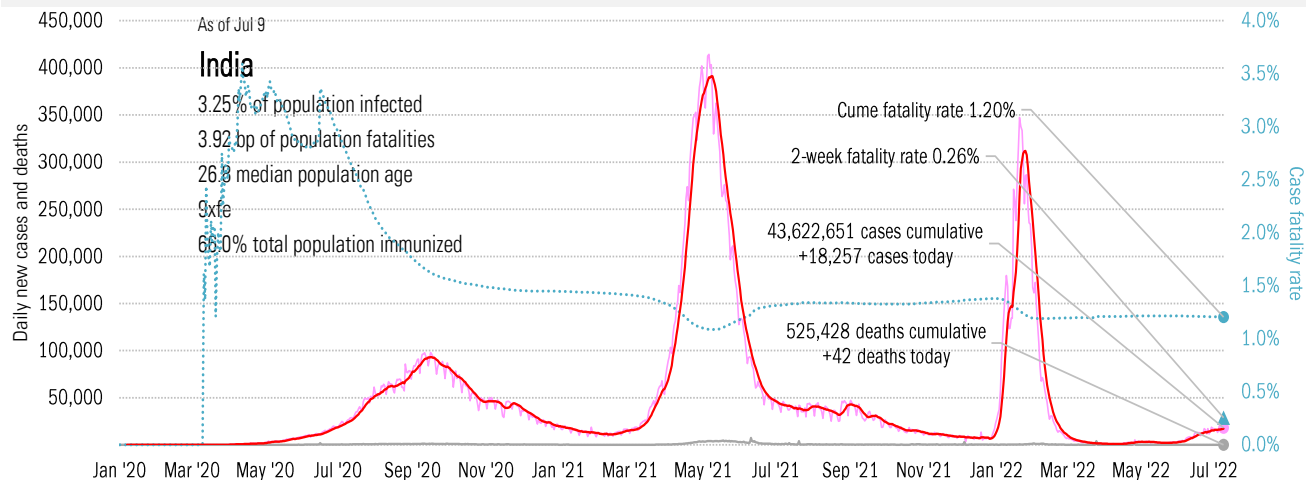
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China

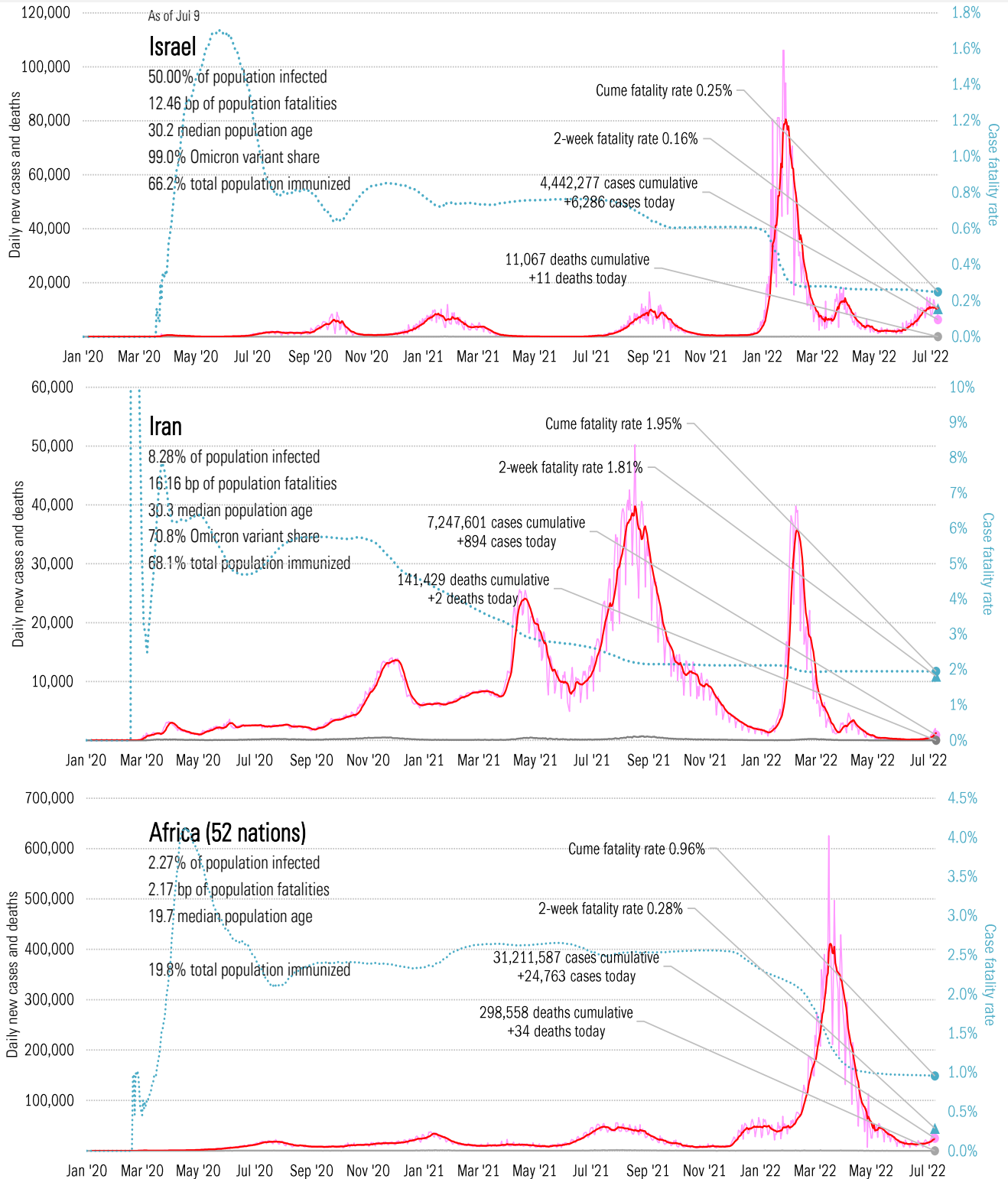
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa

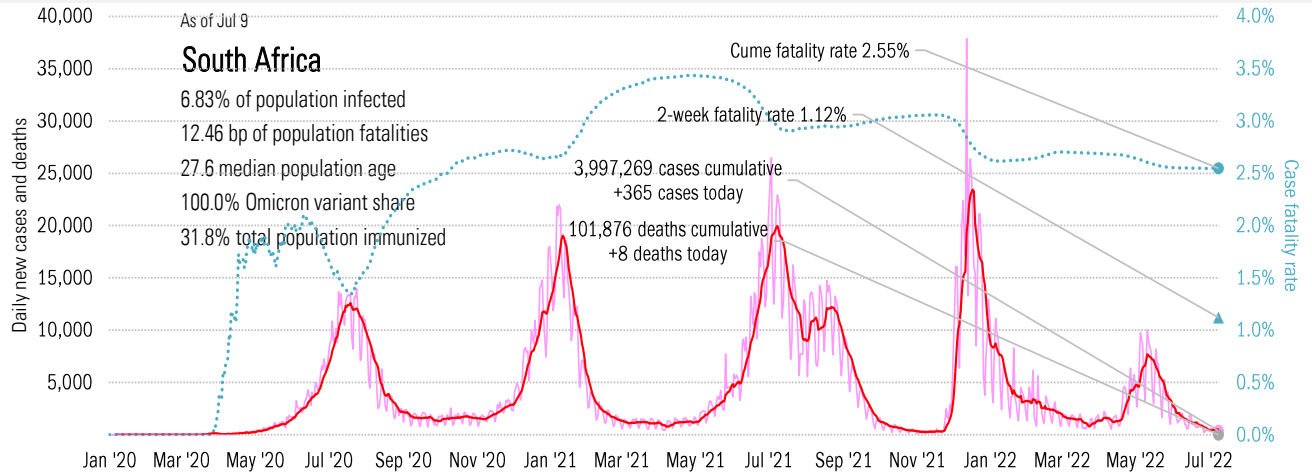
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations