

Data Insights: Covid-2019 Monitor

Sunday, July 17, 2022

The global scorecard

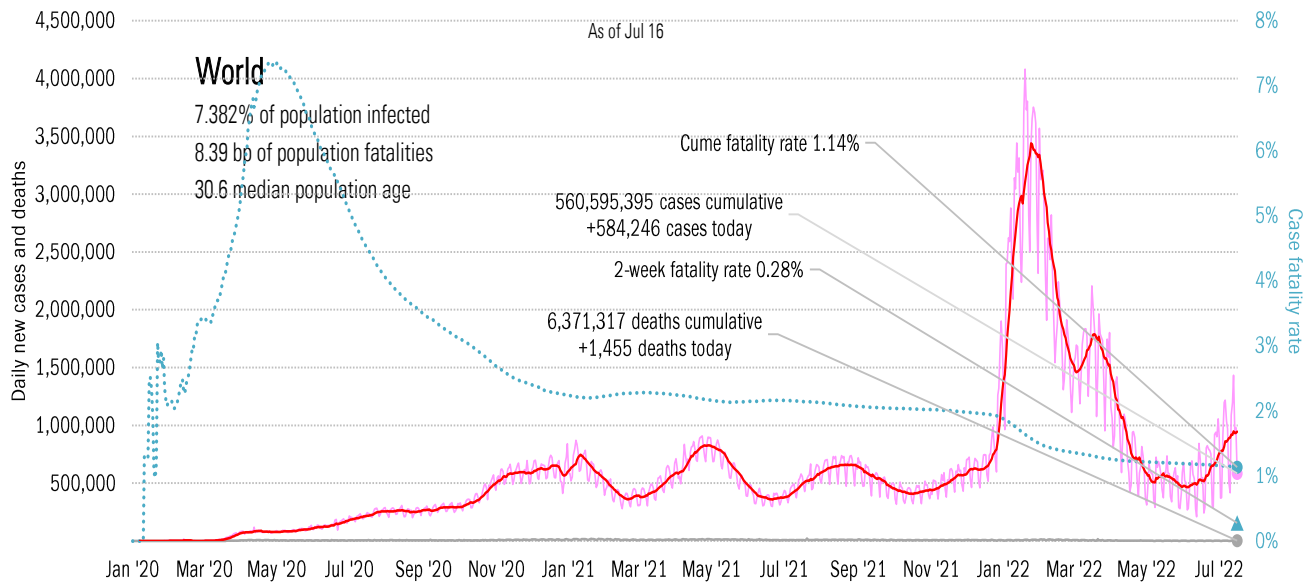
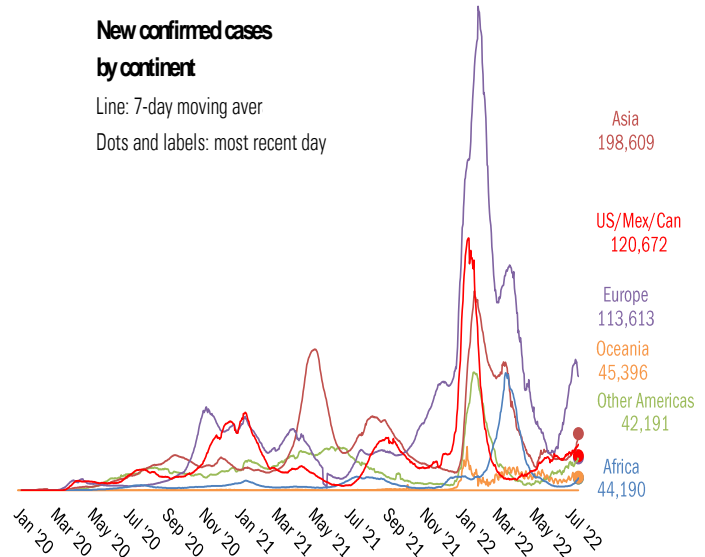
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	110,647	United States	576
Italy	91,384	Brazil	205
United States	87,515	Italy	111
Korea, South	40,342	Taiwan*	72
Brazil	40,149	Mexico	71
Australia	38,914	Chile	49
Mexico	31,173	India	49
Taiwan*	25,266	Russia	40
India	20,528	Thailand	38
Singapore	9,153	Guatemala	31
495,071		1,242	
World	584,246	World	1,455
Top ten	85%	Top ten	85%

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

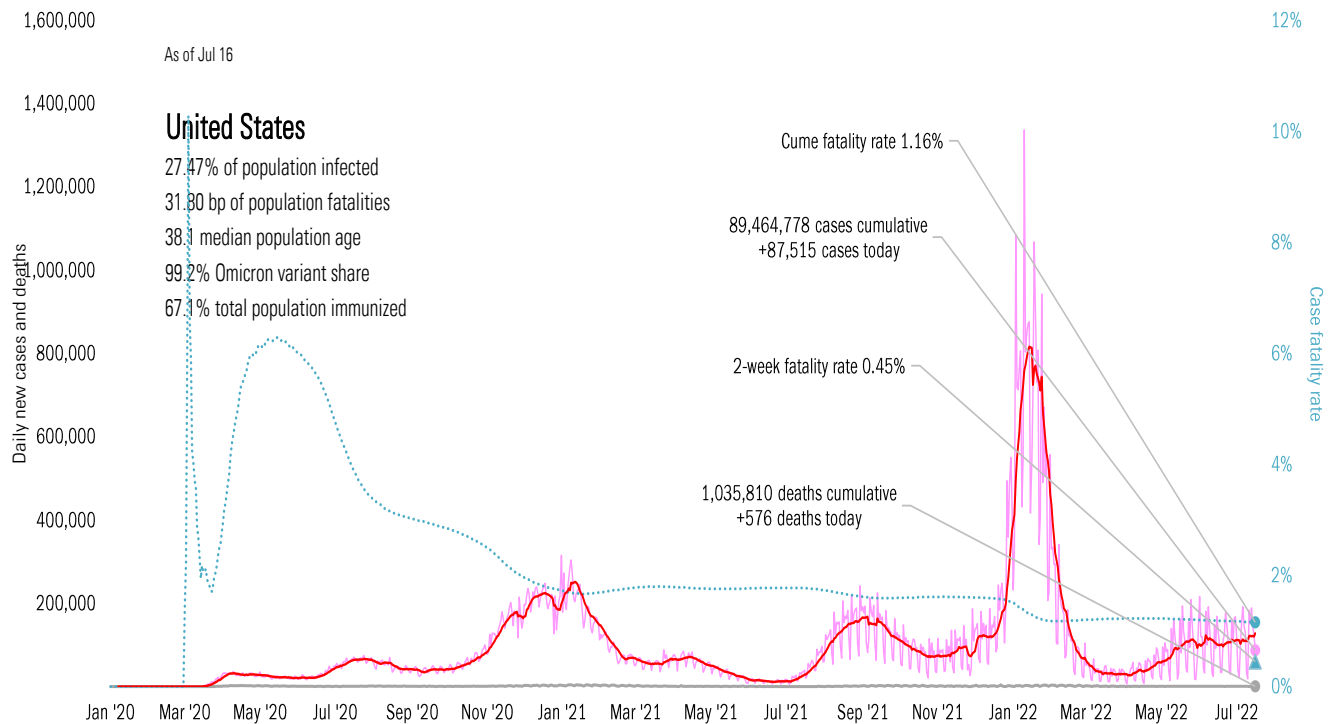
The ten worst US states

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.						CA	794		CA	10,436,723	CA	92,903	TX	513,044	RI	91%	RI	90%			
			KY	121		TX	7,377,228	TX	88,946	CA	461,038	MA	86%	VT	87%						
			AL	132		FL	6,630,193	FL	76,648	FL	454,319	WA	86%	AK	85%						
			GA	218		NY	5,718,145	NY	69,934	NY	275,930	MN	84%	TX	84%						
			NJ	183		IL	3,496,014	PA	45,949	GA	212,692	MO	84%	AL	83%						
			CO	2,358	NJ	7	PA	3,038,076	CH	38,959	CH	202,550	MD	84%	WA	83%					
			AZ	2,183	AR	4	NC	2,919,068	GA	38,821	PA	189,540	DC	84%	MA	82%					
			AR	1,172	AK	0	CH	2,891,756	IL	38,737	IL	171,860	WV	84%	NC	82%					
			CT	830	AL	0	GA	2,694,160	MI	37,142	MI	151,614	DE	84%	DC	80%					
			FR	601	AS	0	MI	2,636,214	NJ	34,159	KY	137,447	GA	83%	NV	80%					
87,297			129			2,761			47,837,577			562,198			2,770,034						
All states 87,515			576			6,388			All states 89,464,778			1,035,810			5,029,491			All states 70%		67%	
Top ten 100%			22%			43%			Top ten 53%			55%			55%			Median 77%		74%	

Some states not reporting

Five most improved US states

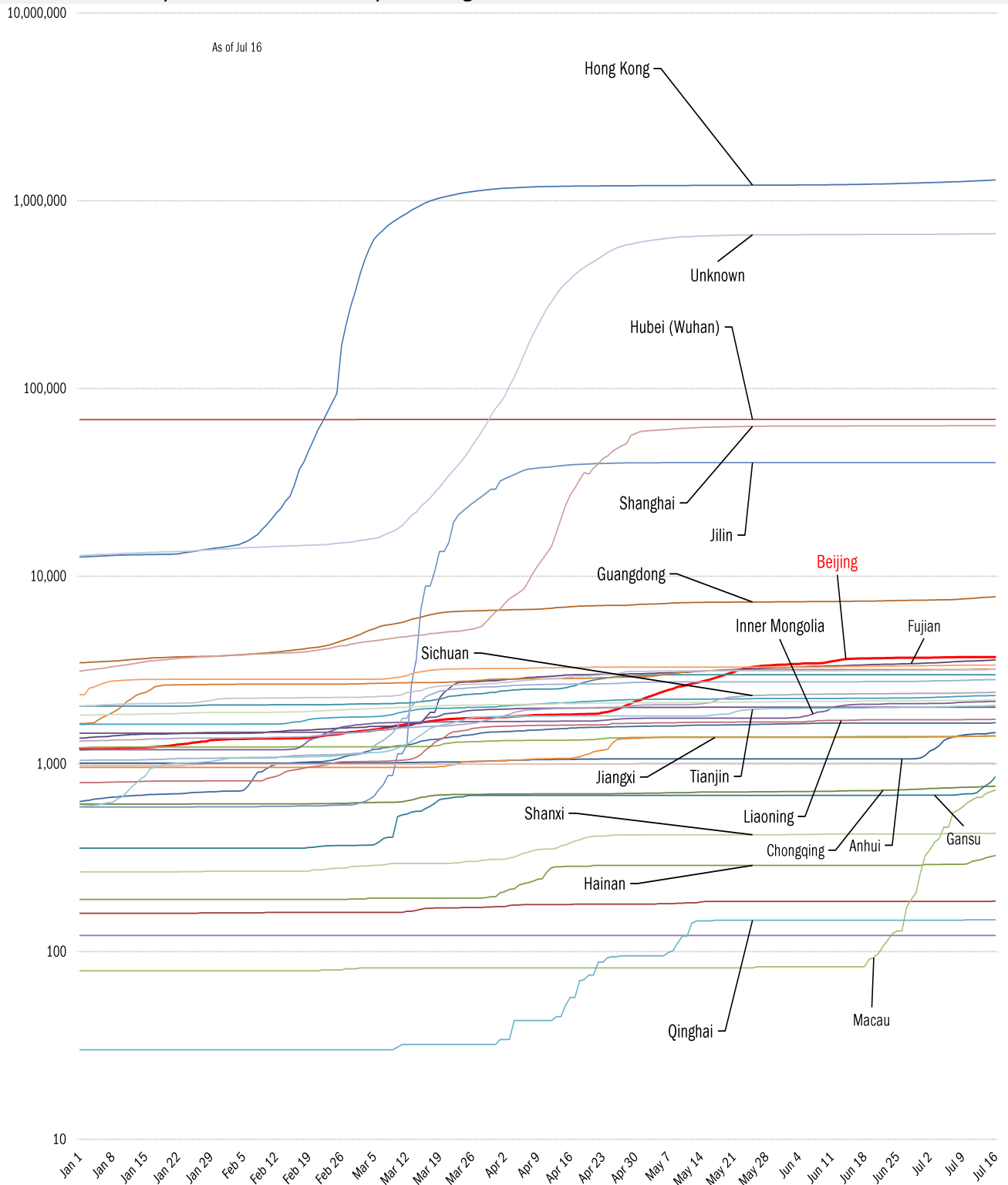
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MO	-12,165	CA	-100	TX	-188	WY	+356986 bp
IL	-4,607	FL	-24	MO	-64	MO	+254128 bp
FR	-3,957	NY	-22	CA	-52	ID	+225092 bp
IN	-3,825	NM	-21	CO	-44	AZ	+183948 bp
TN	-3,580	IN	-18	MI	-38	NV	+168503 bp



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"



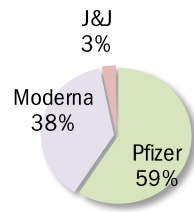
Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	614,375,071	+0.243 million	US	67.1%	78.5%
of which boosters	109,001,813	+0.059 million	UK	74.7%	79.7%
	One dose	% Pop	Immune	% pop	New immune today
Total population	268,744,531	80%	228,983,309	69%	+0.035 million
Age 12 to 17	17,986,428	71%	15,385,626	61%	+0.003 million
Age 18 to 64	180,059,671	89%	152,815,245	75%	+0.019 million
Age 65 and over	59,481,476	100%	52,022,449	95%	+0.007 million

France	78.5%	80.8%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
Australia	83.7%	86.3%
Israel	66.2%	72.3%
Canada	82.5%	85.9%
Japan	82.2%	83.3%
Africa	20.3%	25.8%
India	65.7%	72.4%
Brazil	79.1%	86.3%
China	88.5%	90.9%



State
AK
70.9%
62.8%

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

*"Immunity" = two doses

Best

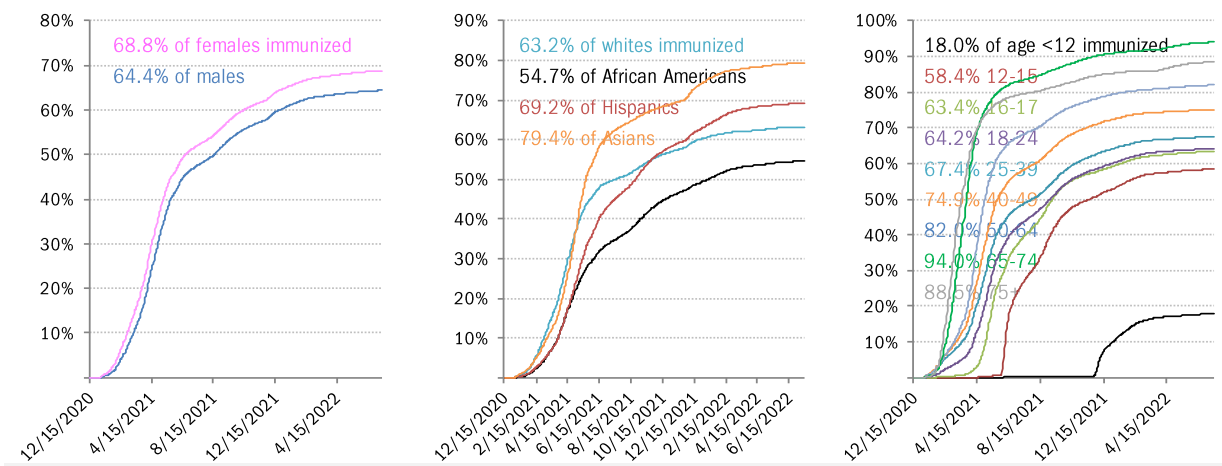
Middle

Worst

As of Jul 14

State	At least partial immunity as % population	Full immunity as % population
WA	82.0%	73.1%
ID	62.4%	55.9%
MT	66.0%	57.4%
ND	66.4%	56.2%
MN	76.0%	69.8%
IL	76.5%	69.2%
MI	67.6%	60.7%
OR	78.8%	70.3%
NV	76.3%	61.5%
WY	58.8%	51.5%
SD	78.0%	62.8%
IA	68.6%	62.5%
IN	62.7%	56.5%
OH	63.9%	58.9%
PA	86.4%	69.8%
NJ	91.3%	77.9%
MA	95.0%	82.1%
CA	83.3%	73.0%
UT	72.9%	64.9%
CO	80.5%	71.0%
NE	71.1%	64.2%
MO	67.0%	56.8%
KY	66.9%	58.0%
WV	65.7%	58.2%
VA	86.9%	73.9%
MD	87.9%	76.6%
CT	95.0%	80.2%
RI	95.0%	84.0%
AZ	74.5%	62.5%
NM	89.4%	72.1%
KS	73.4%	62.7%
AR	67.6%	55.1%
TN	62.8%	55.0%
NC	86.2%	62.7%
SC	68.6%	57.8%
DC	95.0%	76.6%
DE	84.5%	70.3%
OK	72.0%	58.1%
LA	61.7%	54.0%
MS	60.3%	52.5%
AL	63.4%	51.7%
GA	66.2%	55.5%
HI	88.8%	79.3%
TX	74.6%	62.4%
FL	80.3%	67.7%
PR	95.0%	83.7%
WI	72.6%	66.2%
ME	92.3%	80.7%

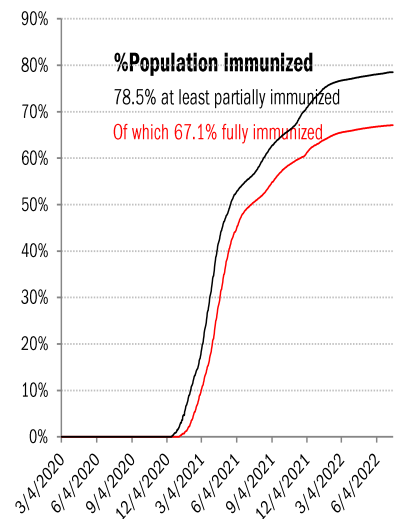
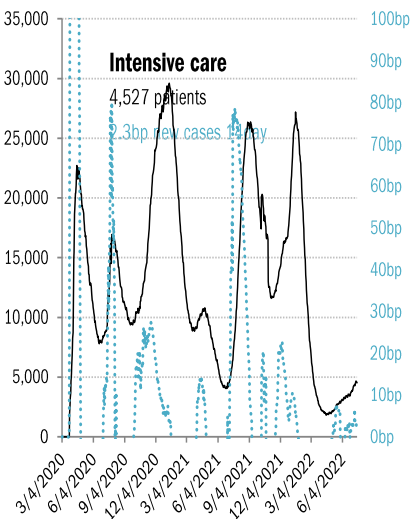
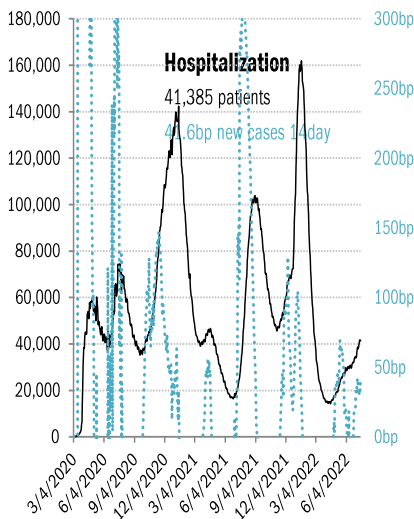
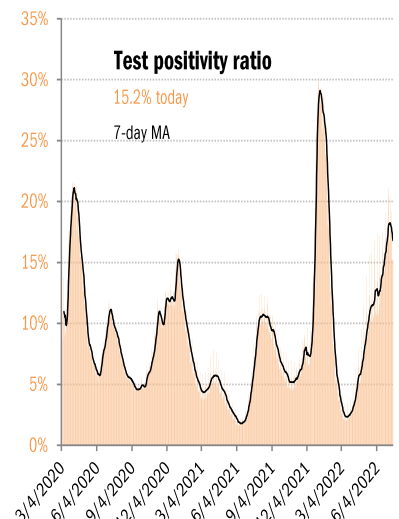
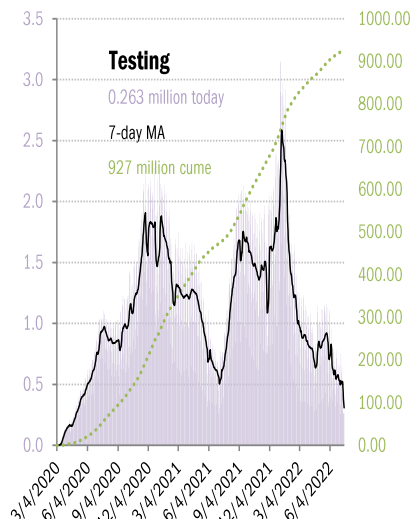
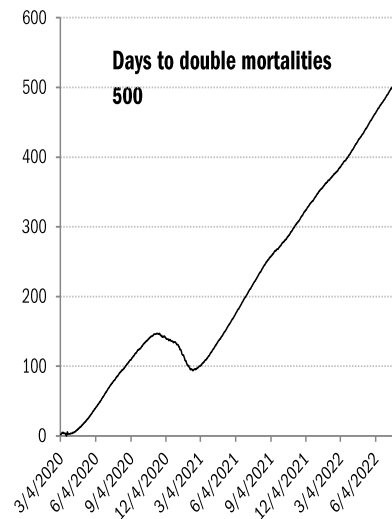
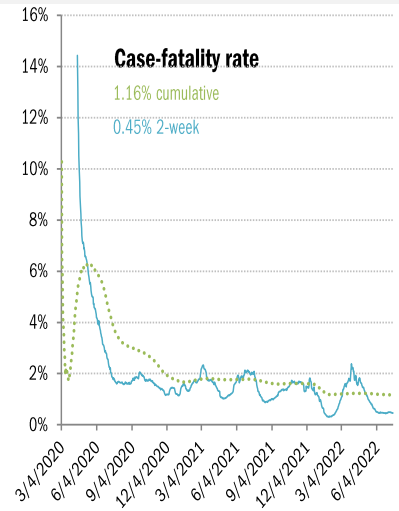
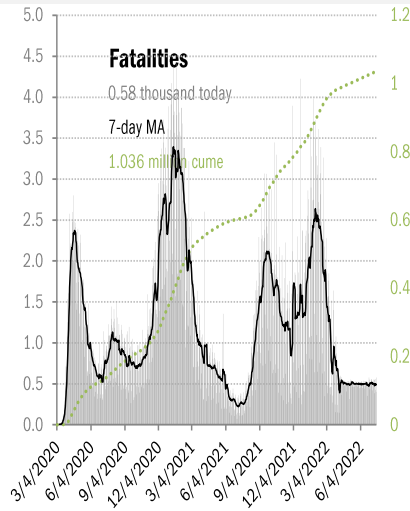
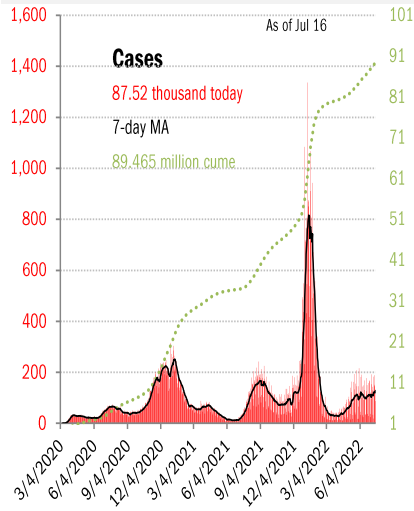
The demographics of US vaccination



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

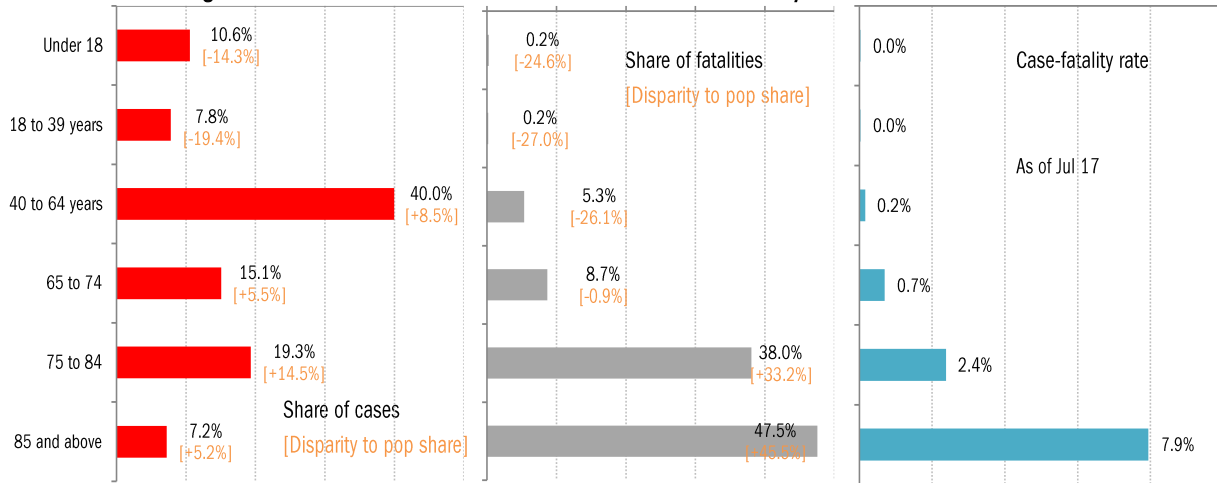
US deep-dive

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

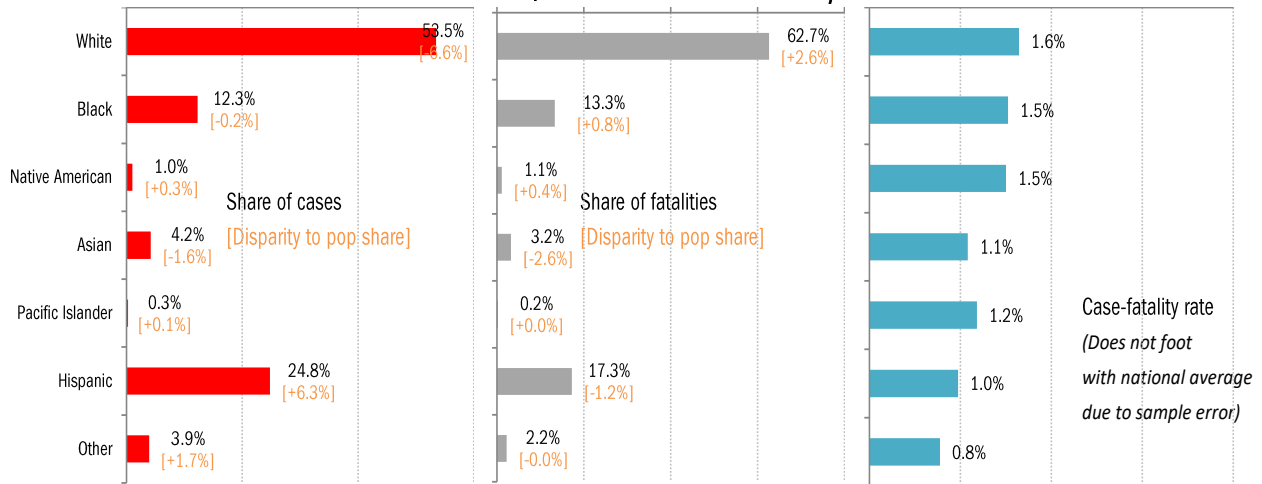


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

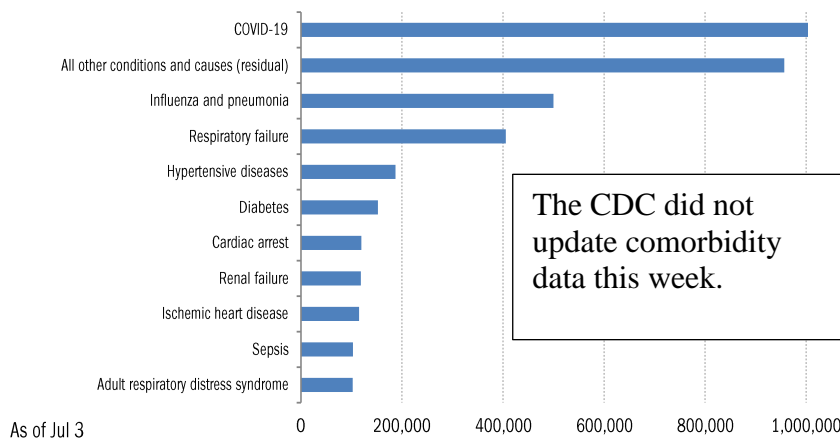


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



The CDC did not update comorbidity data this week.

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

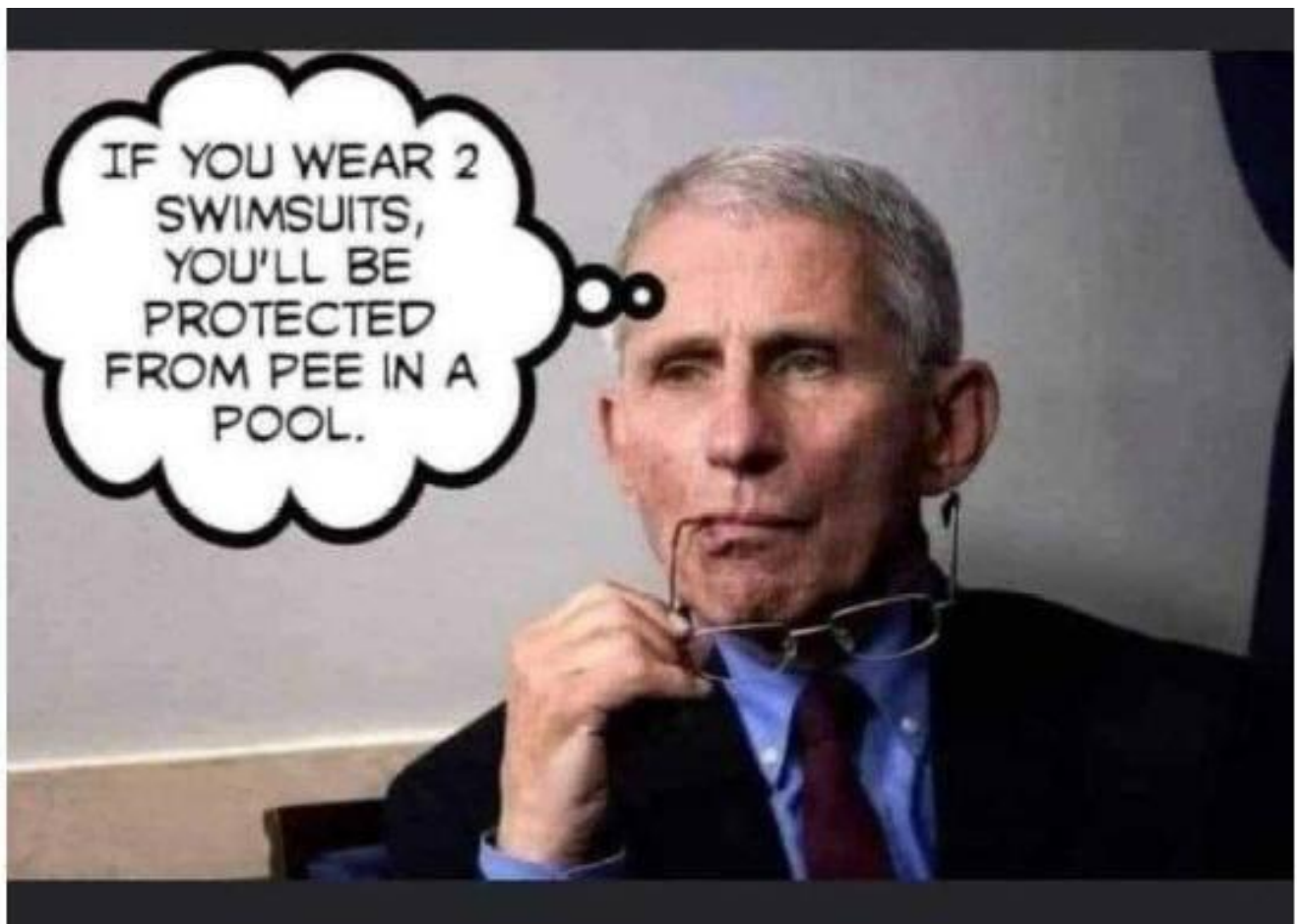
[BREAKING – FORCED TO SUE NATIONAL INSTITUTES OF HEALTH... AGAIN!](#)

Adam Andrzejewski
Open The Books
July 16, 2022

[We need to talk about Australia](#)

Alex Berenson
Unreported Truths
July 16, 2022

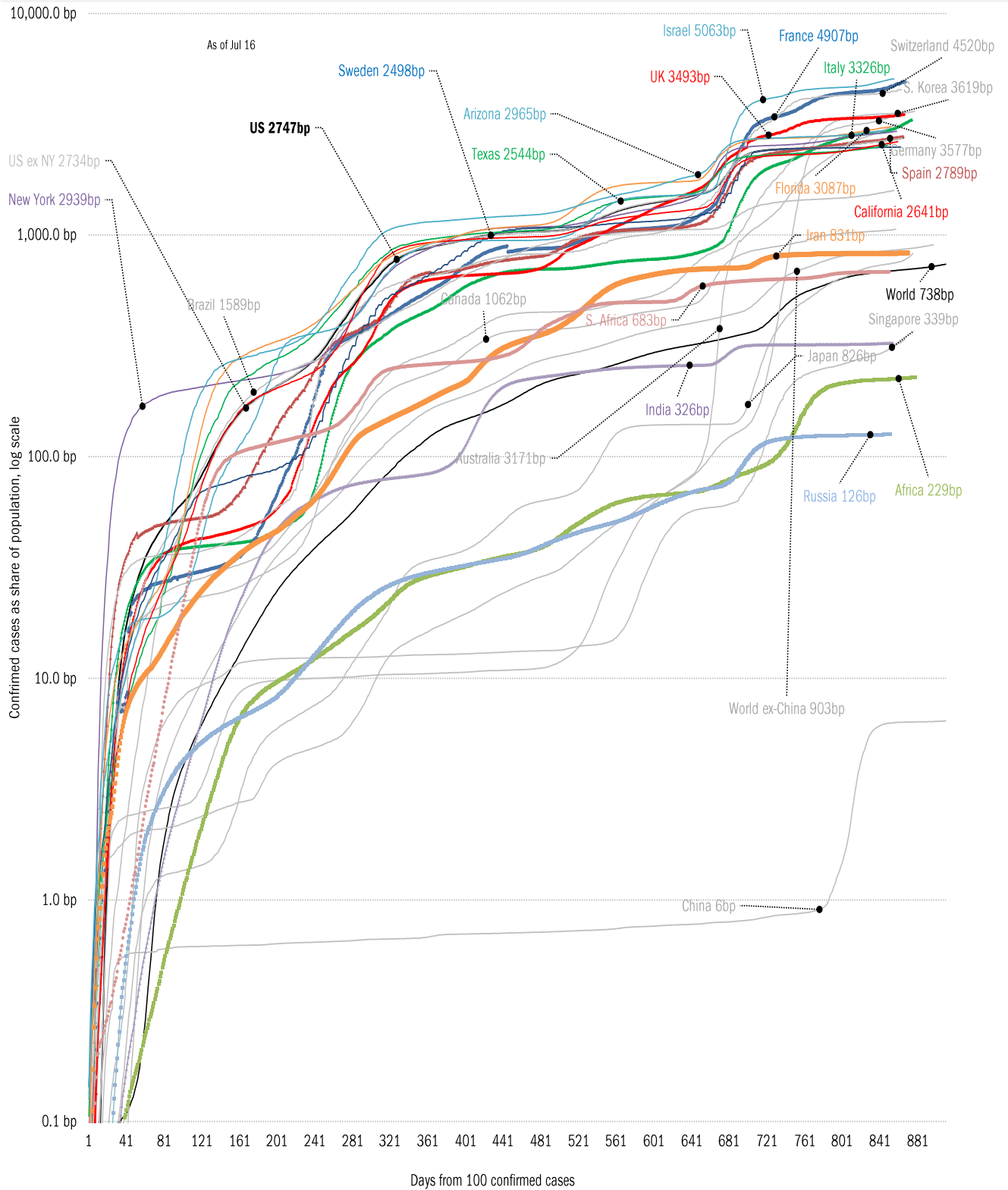
Meme of the day



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

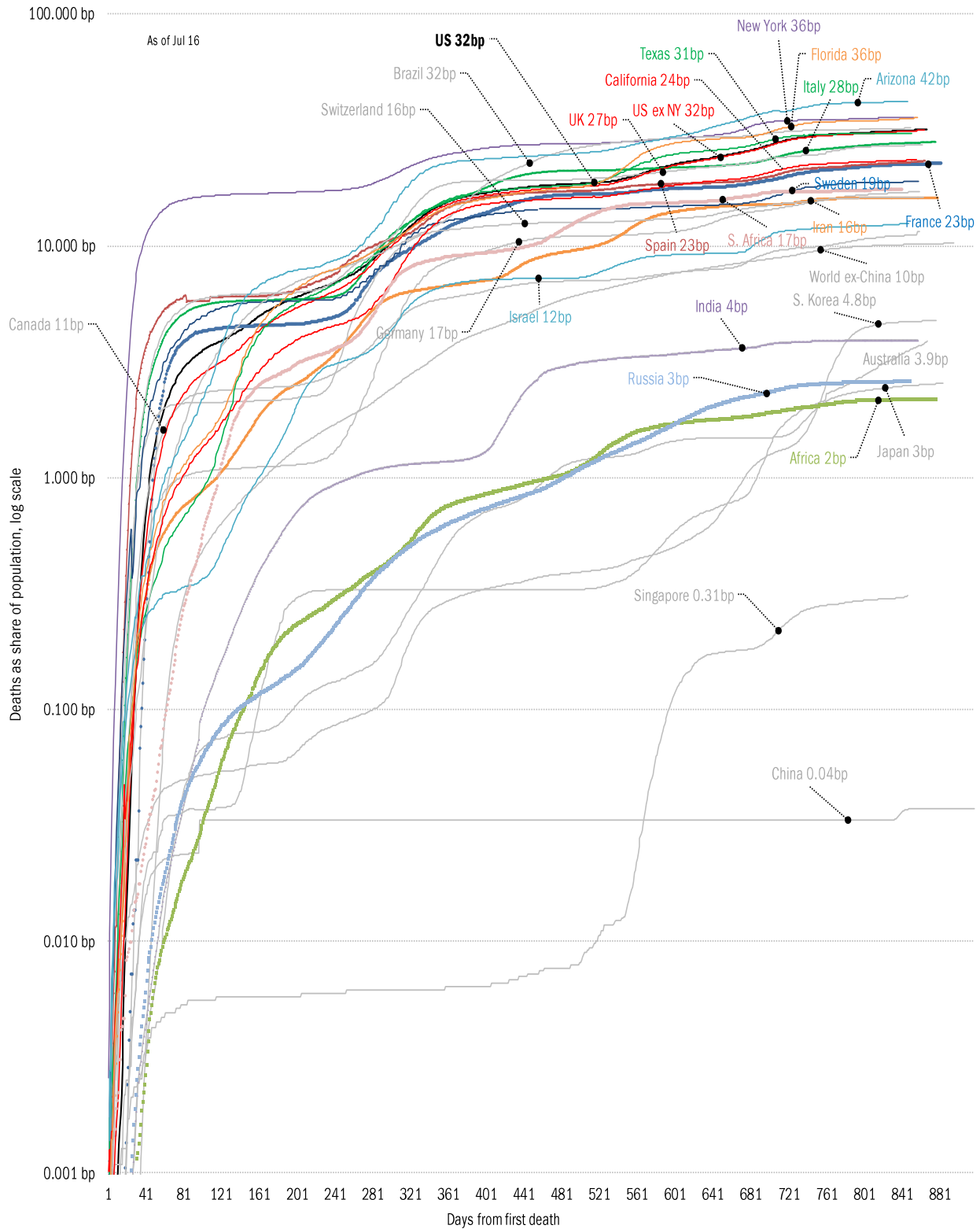
The global coronavirus case accelerometer... tracking the world's infection curves

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

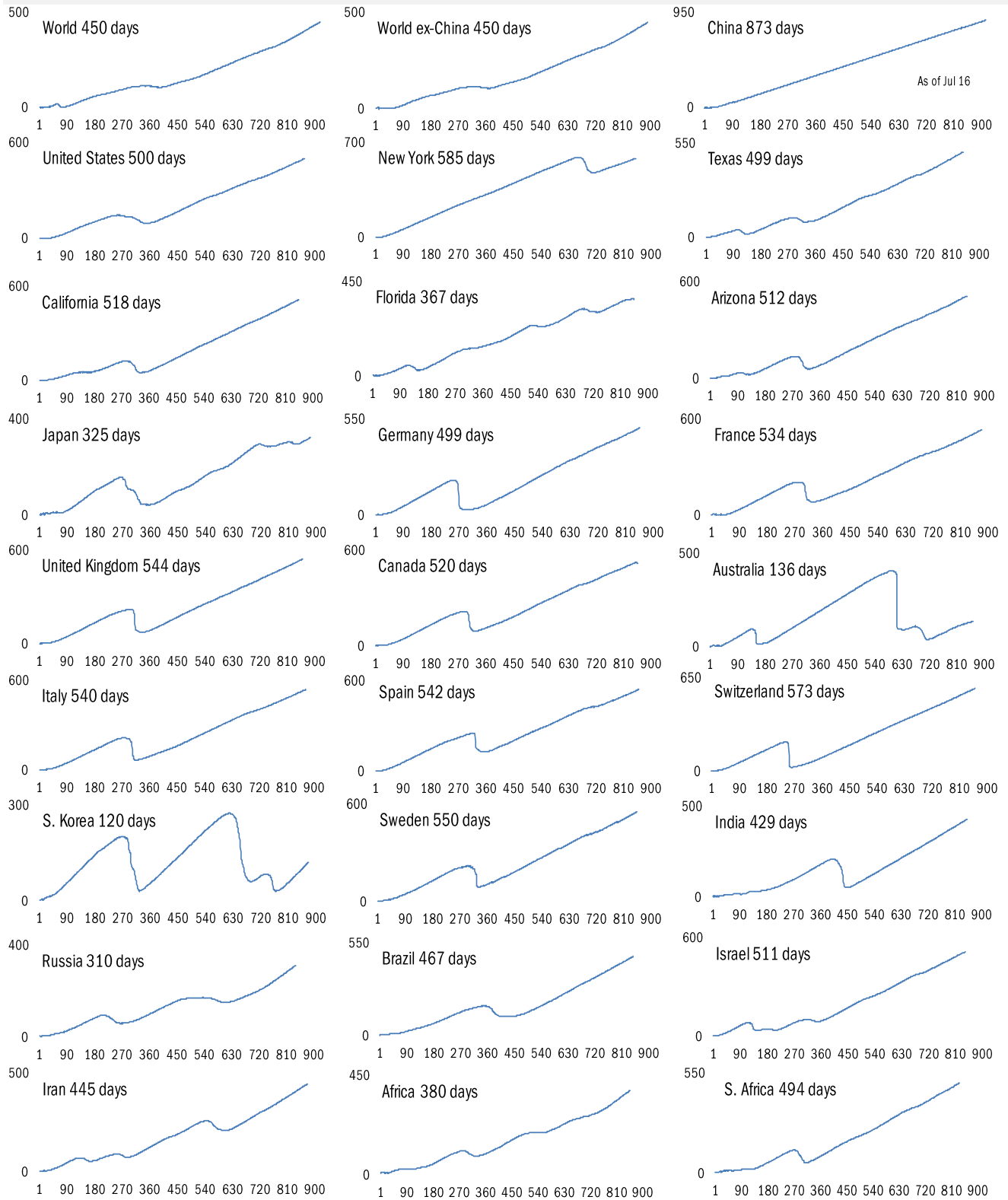


Source: [Johns Hopkins](#), TrendMacro calculations

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

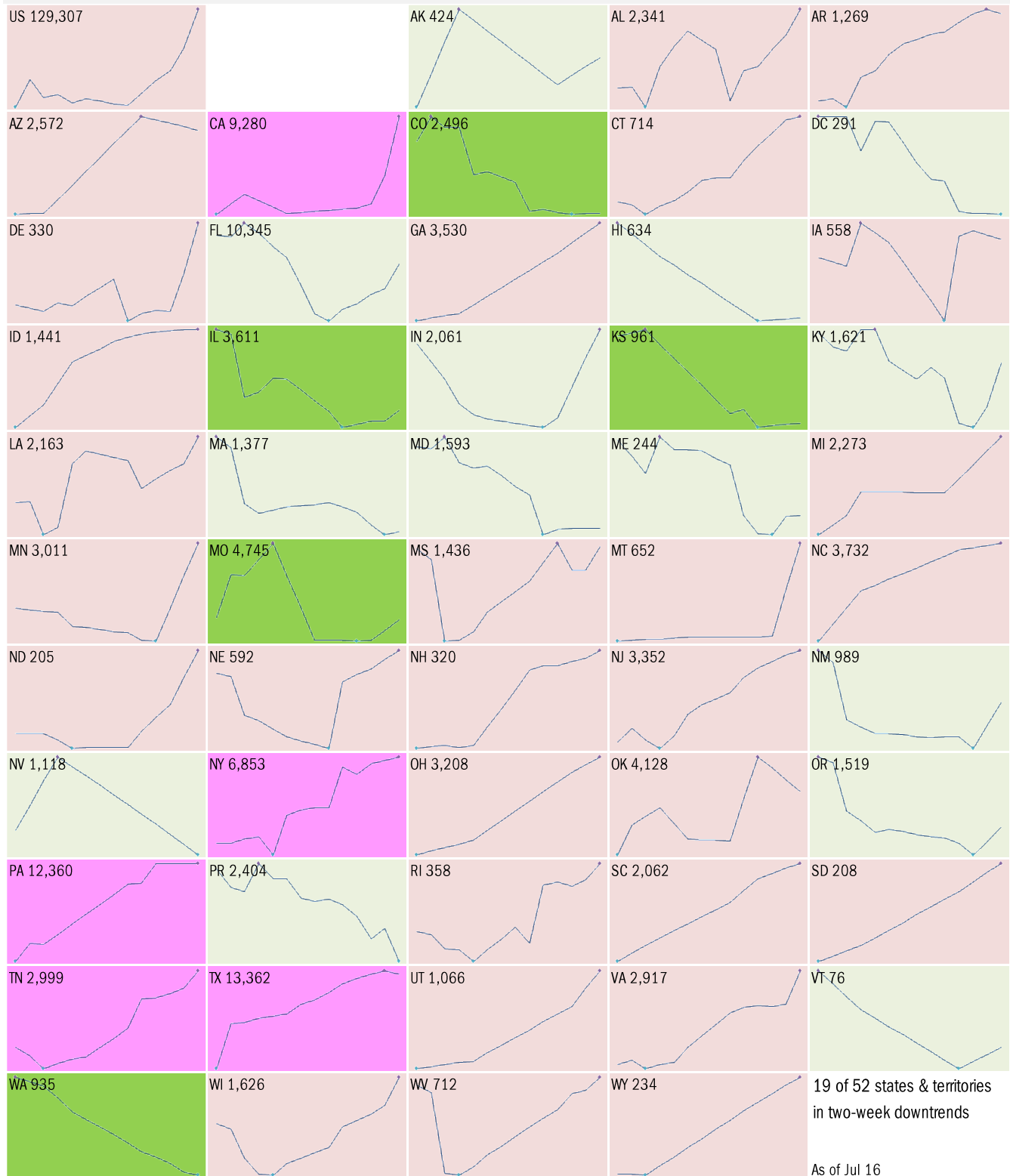


Source: [Johns Hopkins](#), TrendMacro calculations

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](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

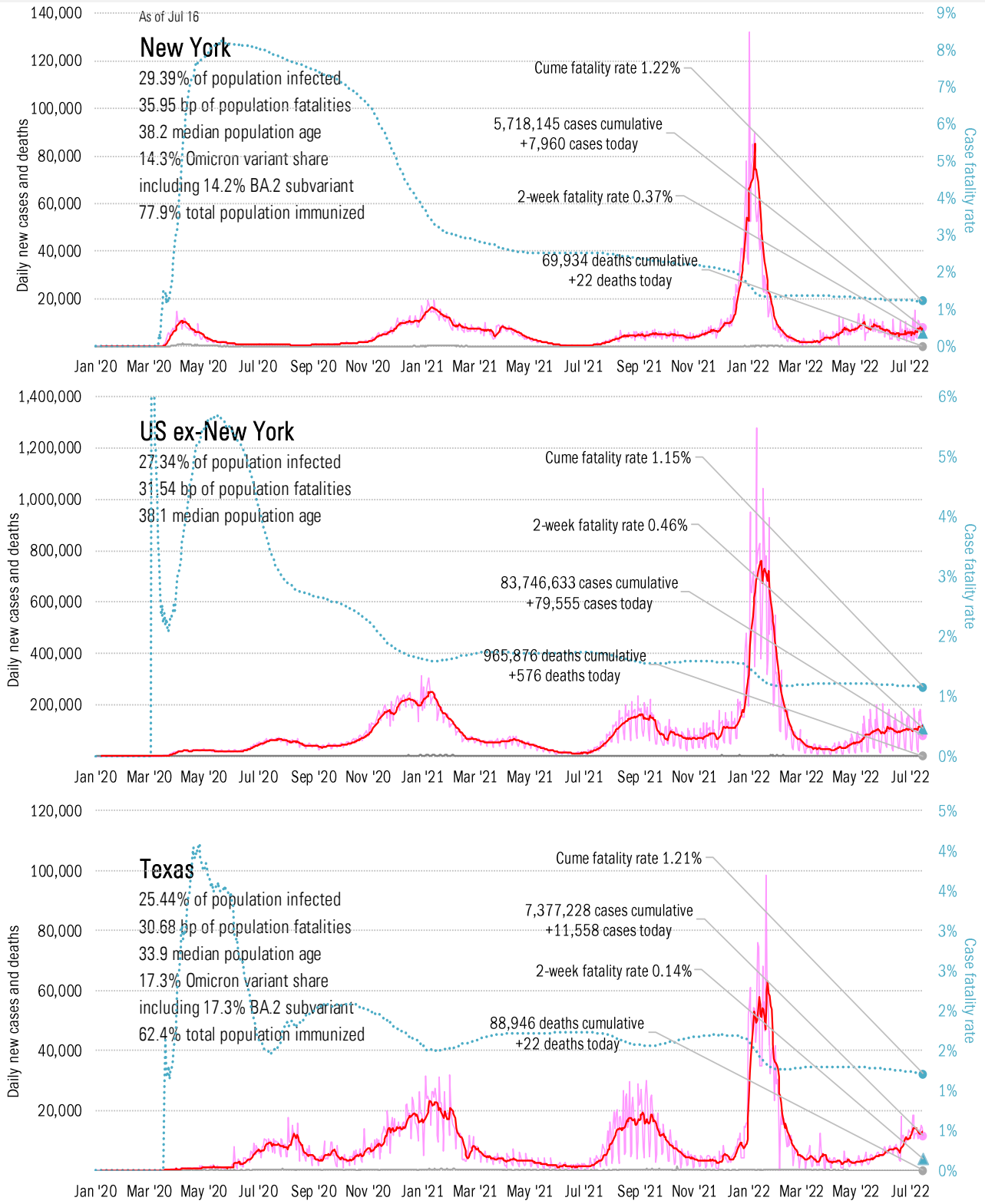
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

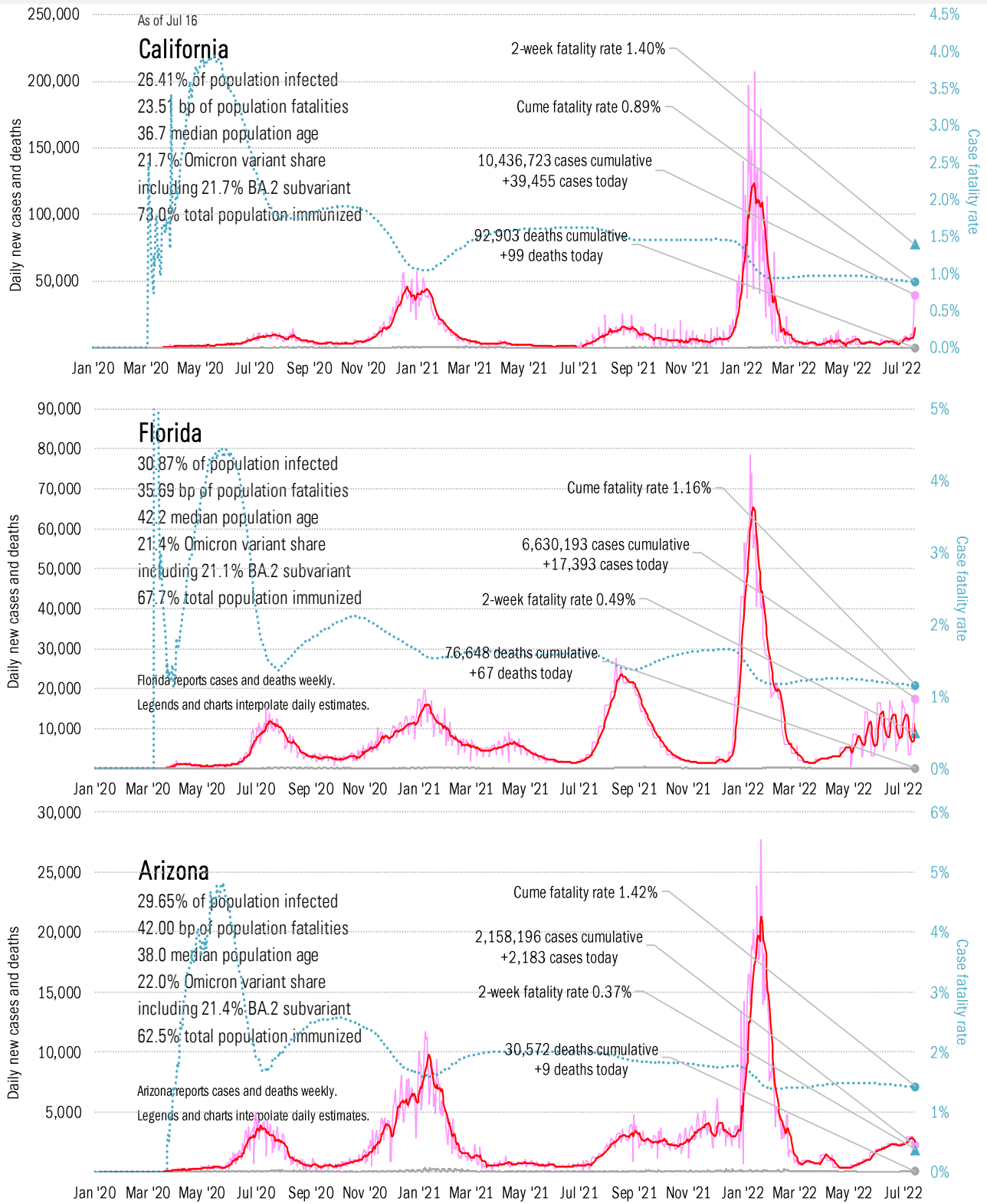
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

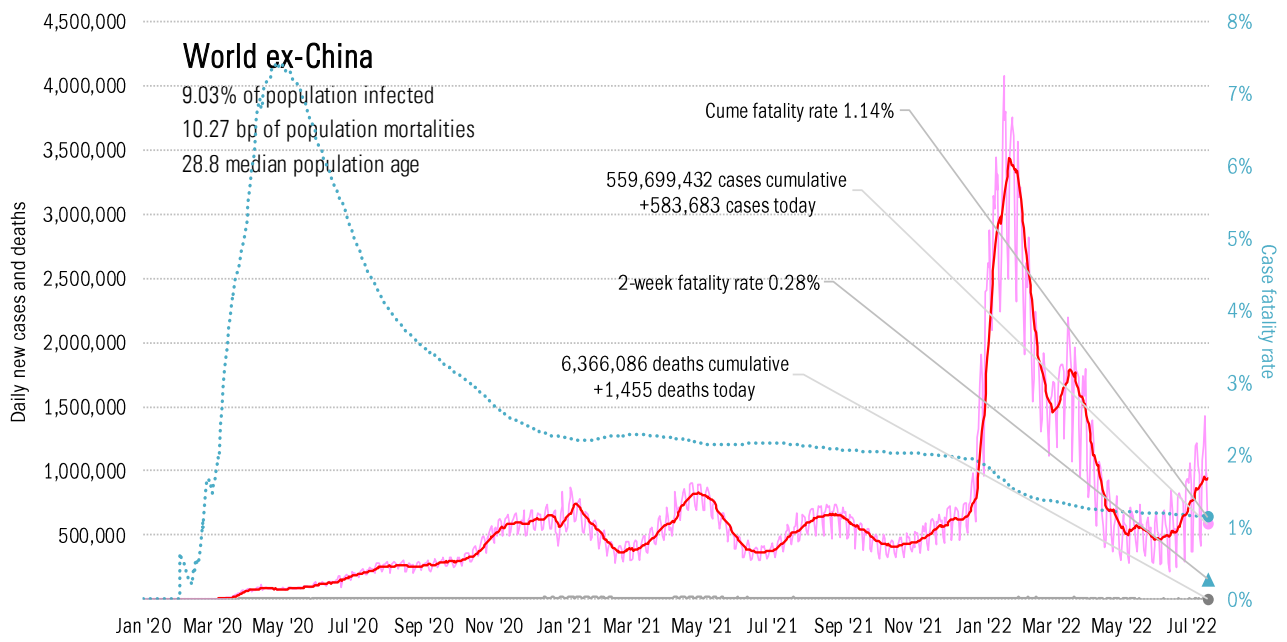
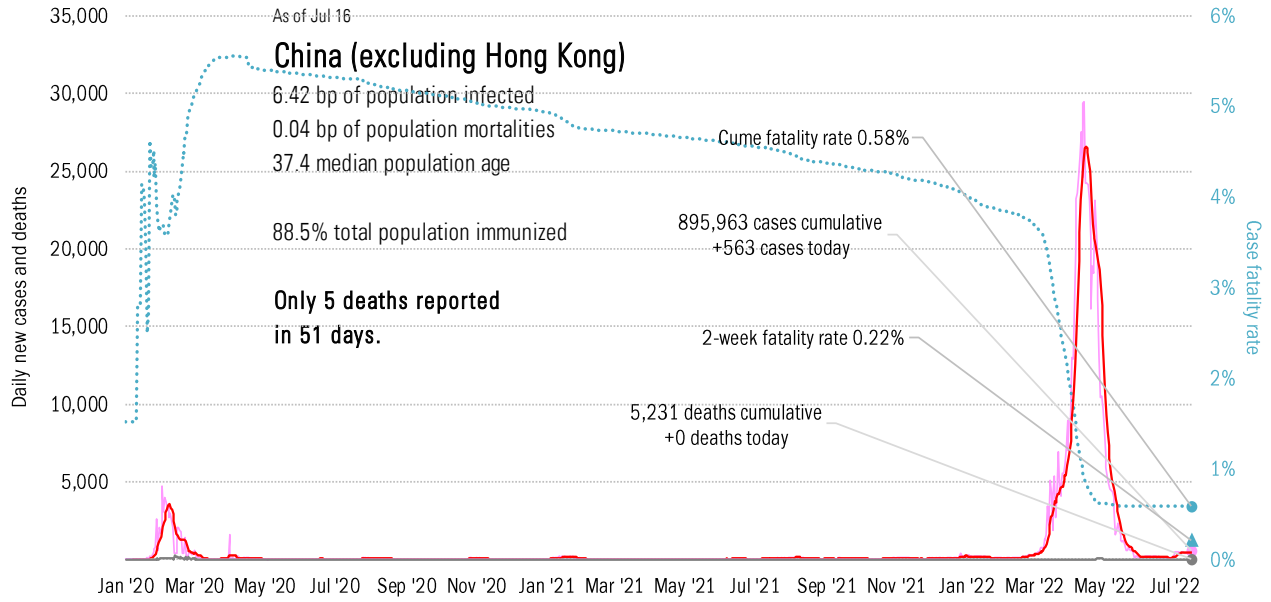
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

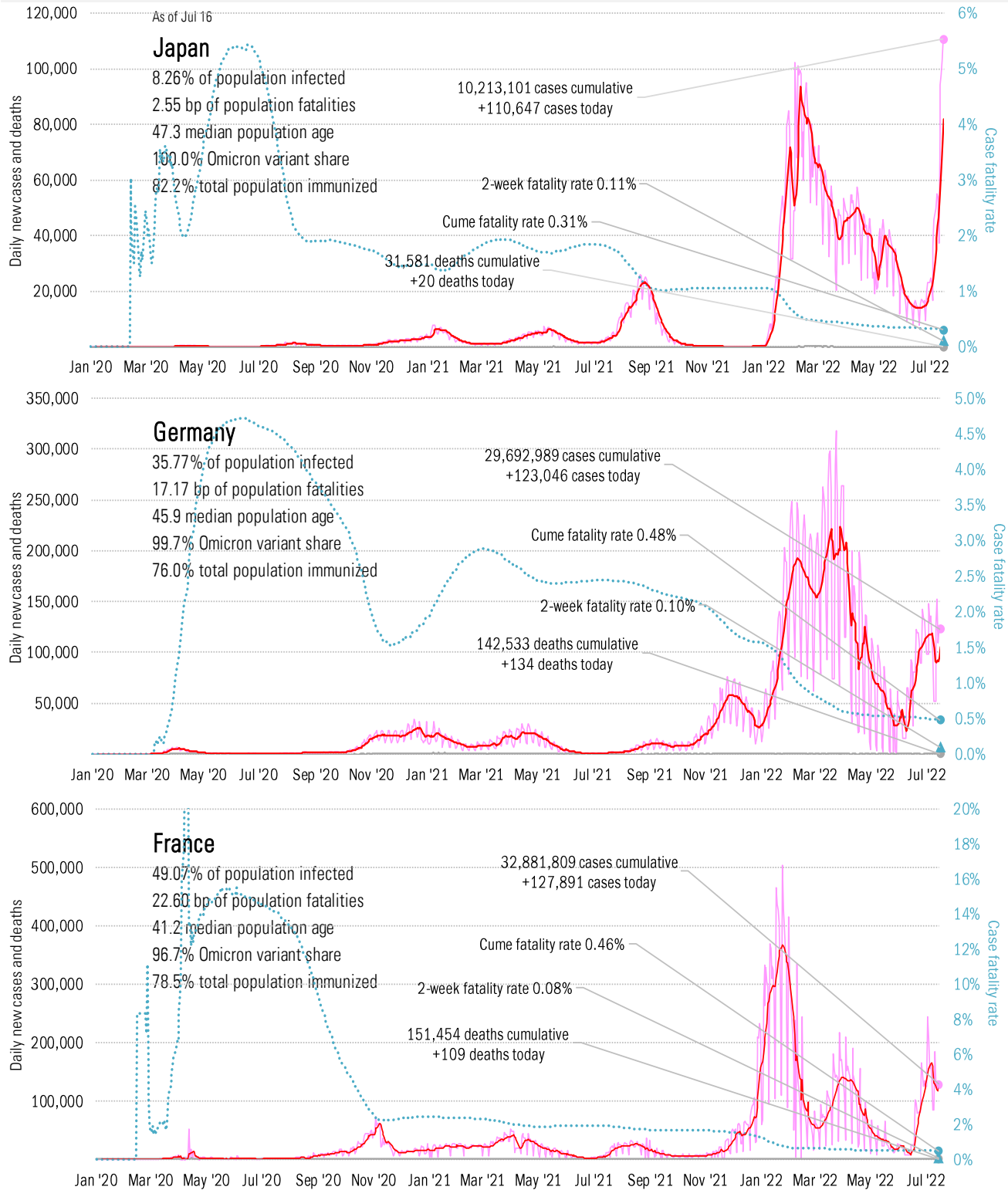
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

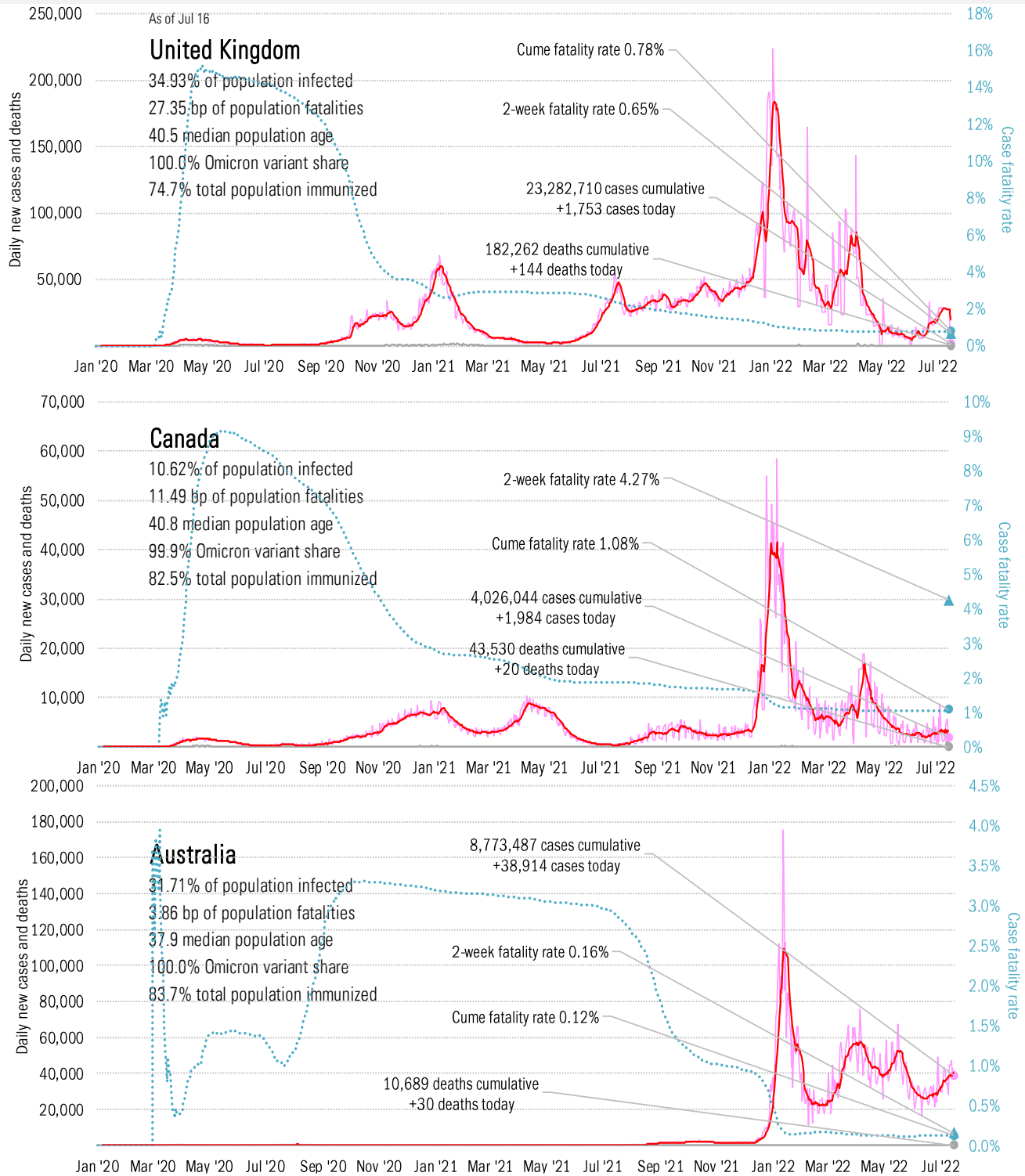
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

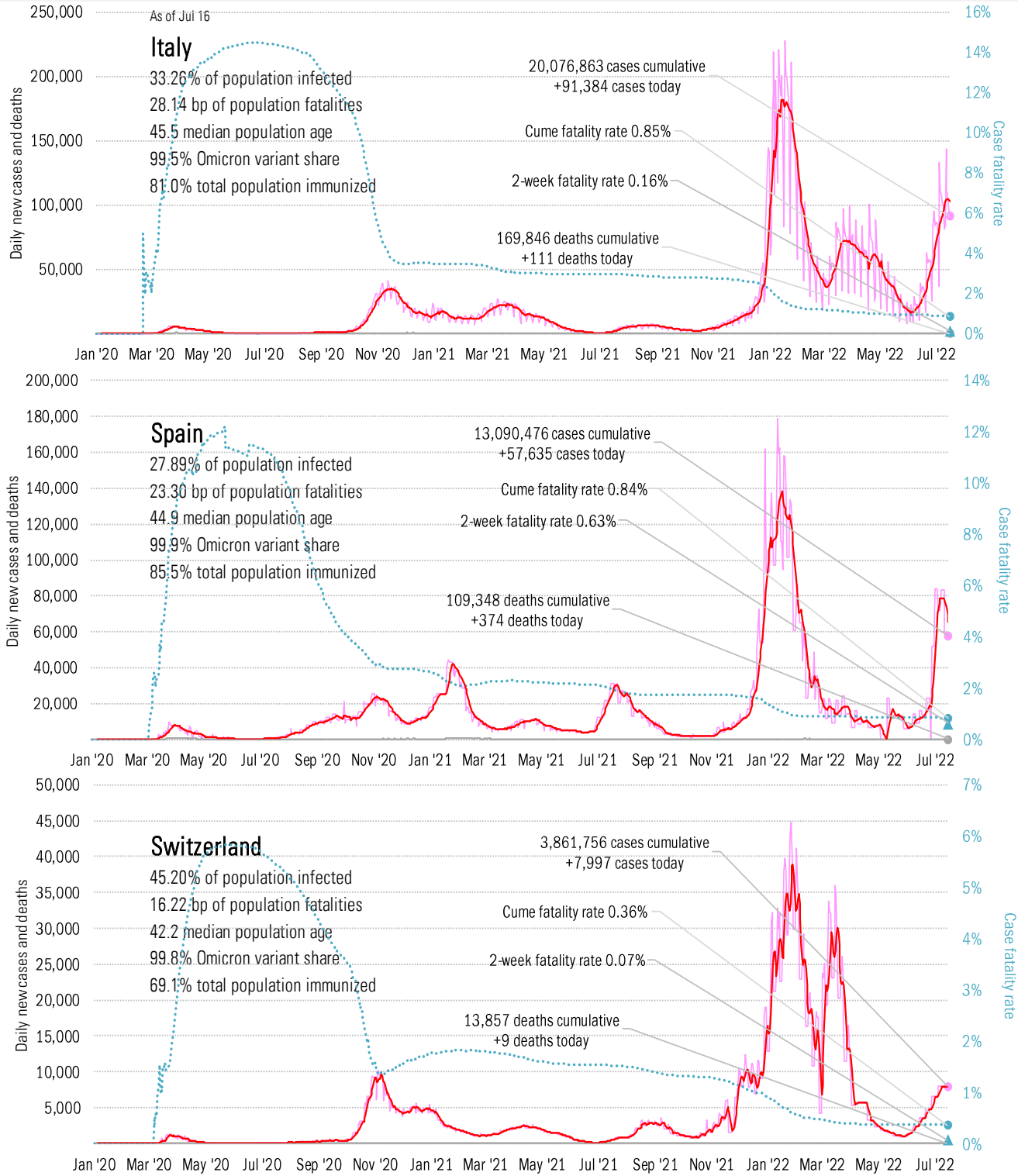
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

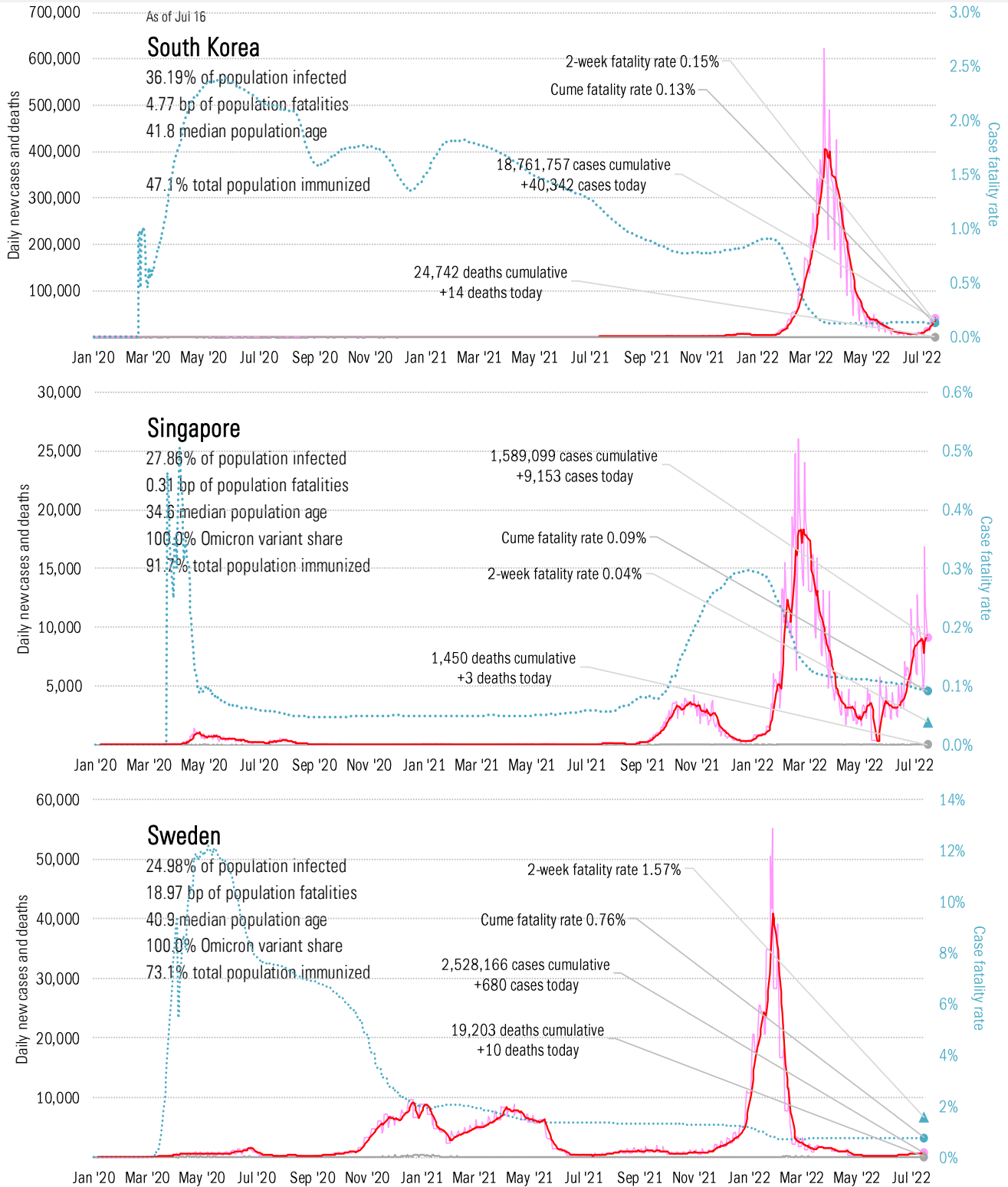
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

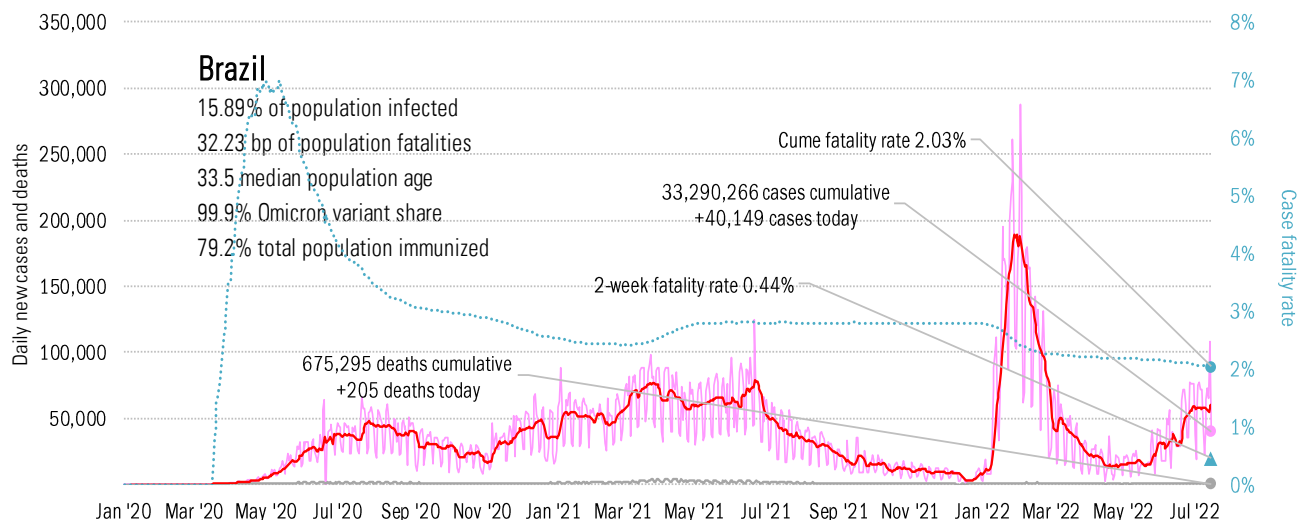
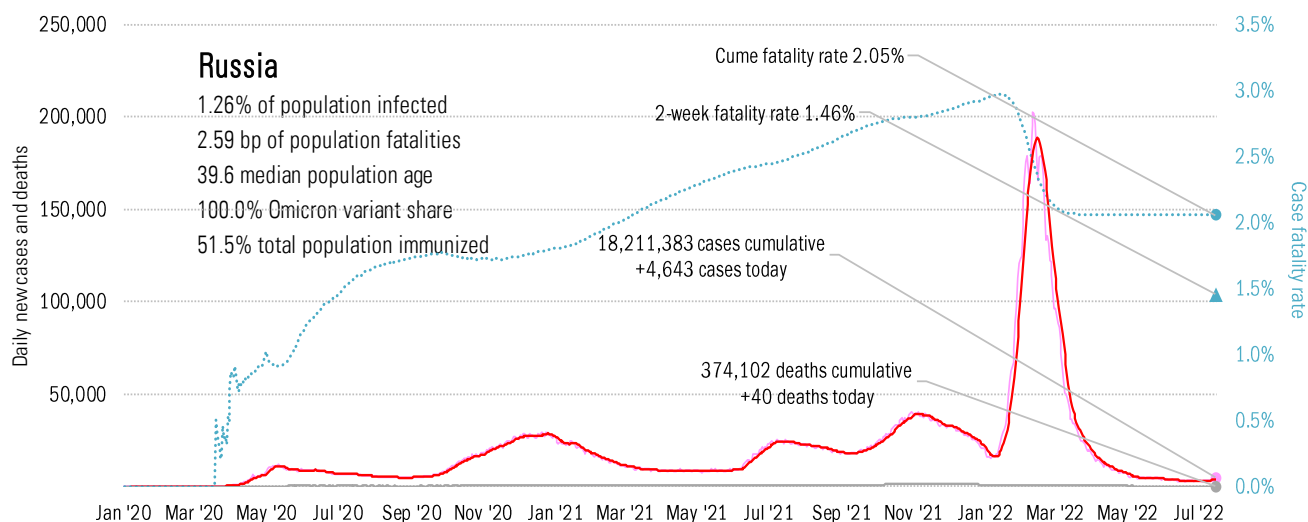
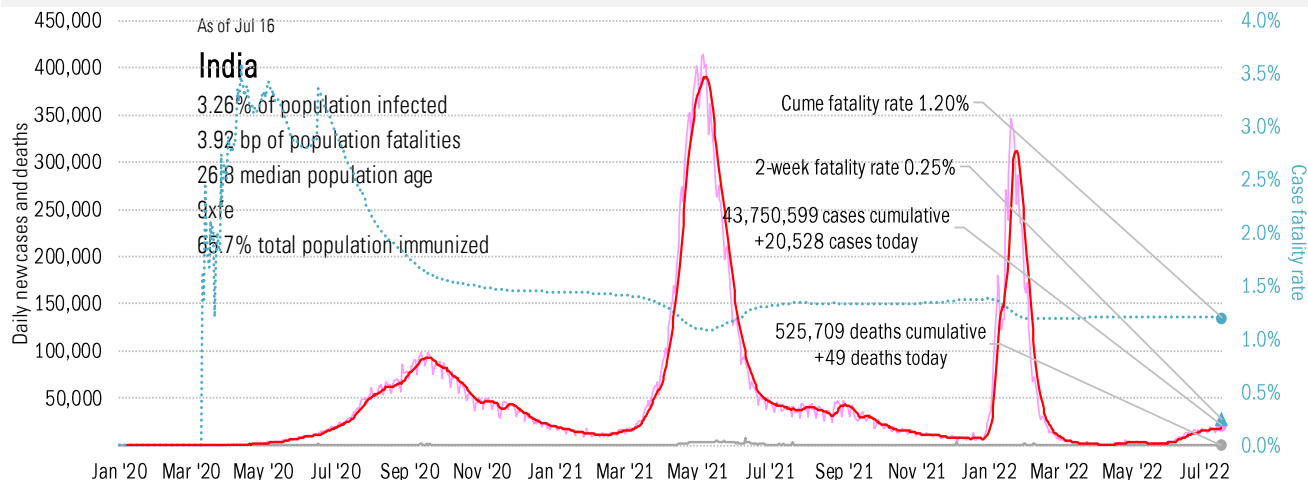
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

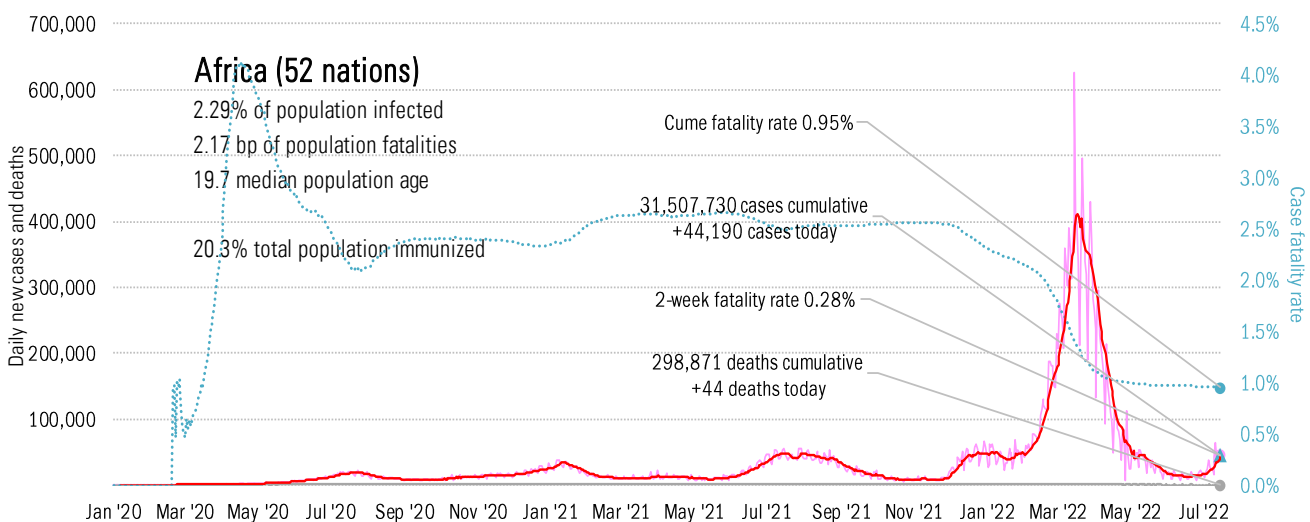
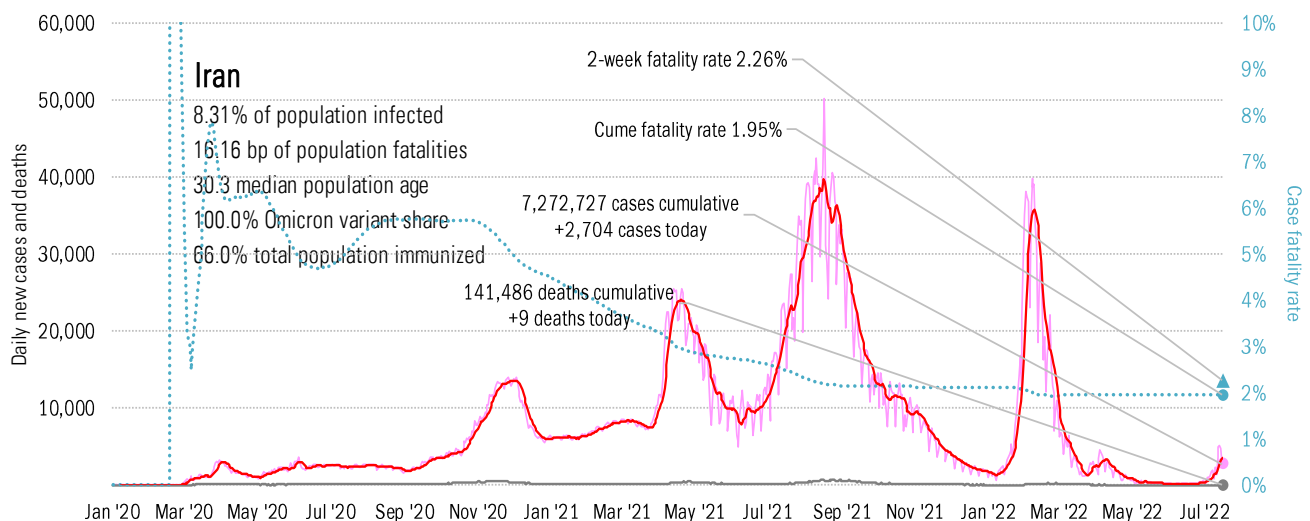
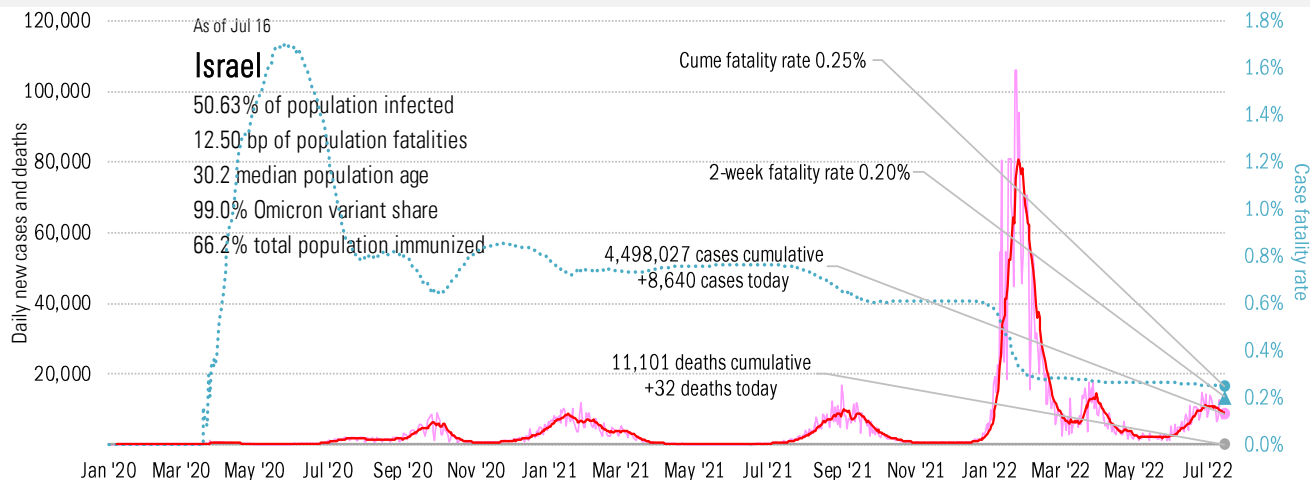
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

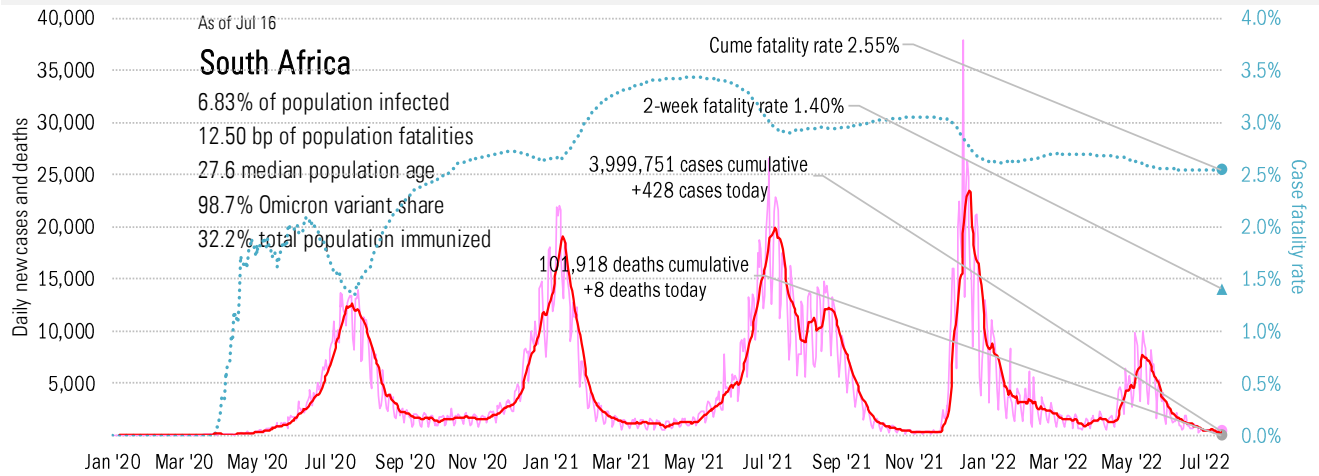
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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