

Data Insights: Covid-2019 Monitor

Saturday, July 16, 2022

The global scorecard

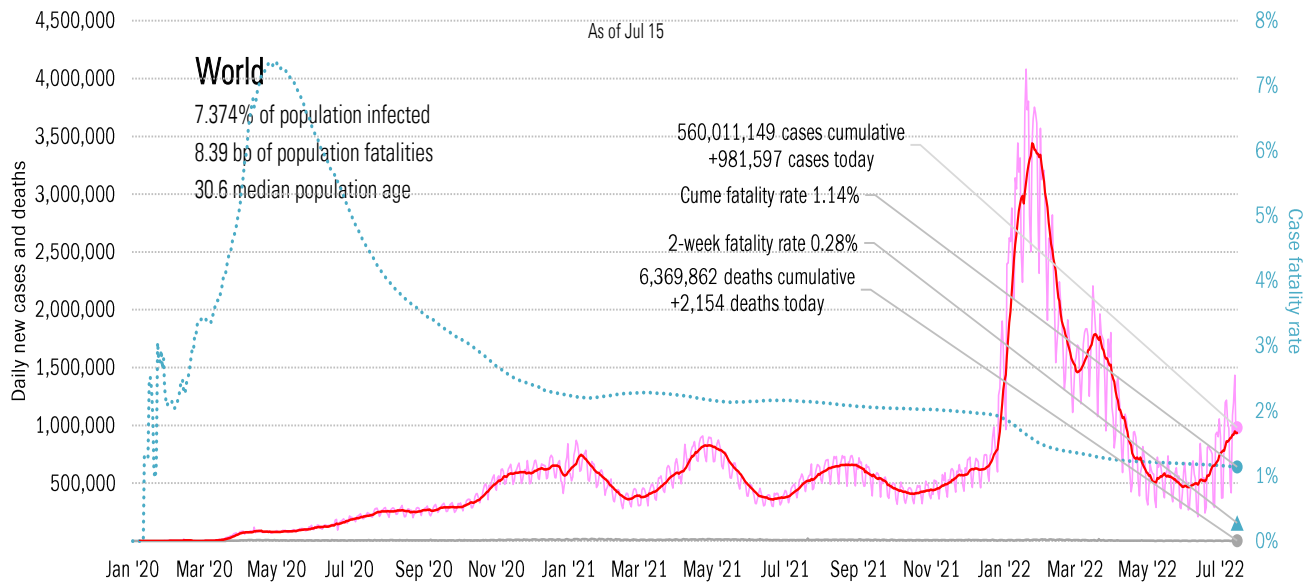
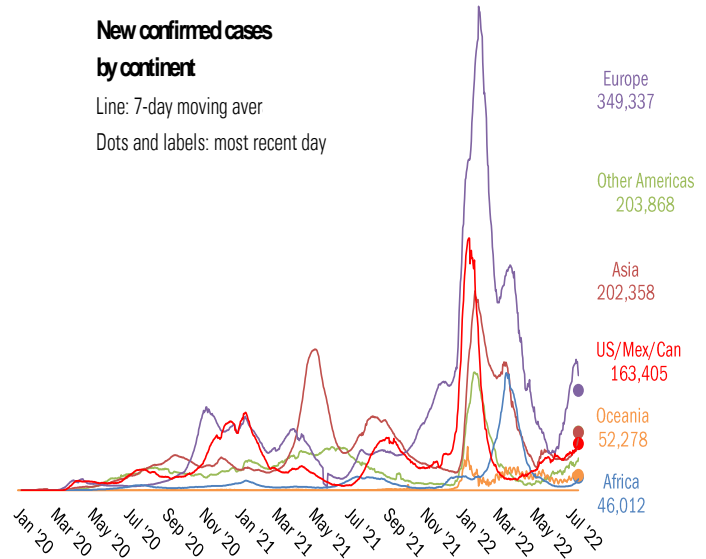
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	123,181	United States	404
Germany	123,046	Spain	374
Brazil	107,959	Brazil	311
Japan	103,273	Germany	134
Italy	97,936	Italy	134
Spain	57,635	Taiwan*	114
Australia	42,723	Mexico	85
Korea, South	41,273	Australia	81
Mexico	34,567	India	56
Peru	26,128	Paraguay	47
757,721		1,740	
World	981,597	World	2,154
Top ten	77%	Top ten	81%

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

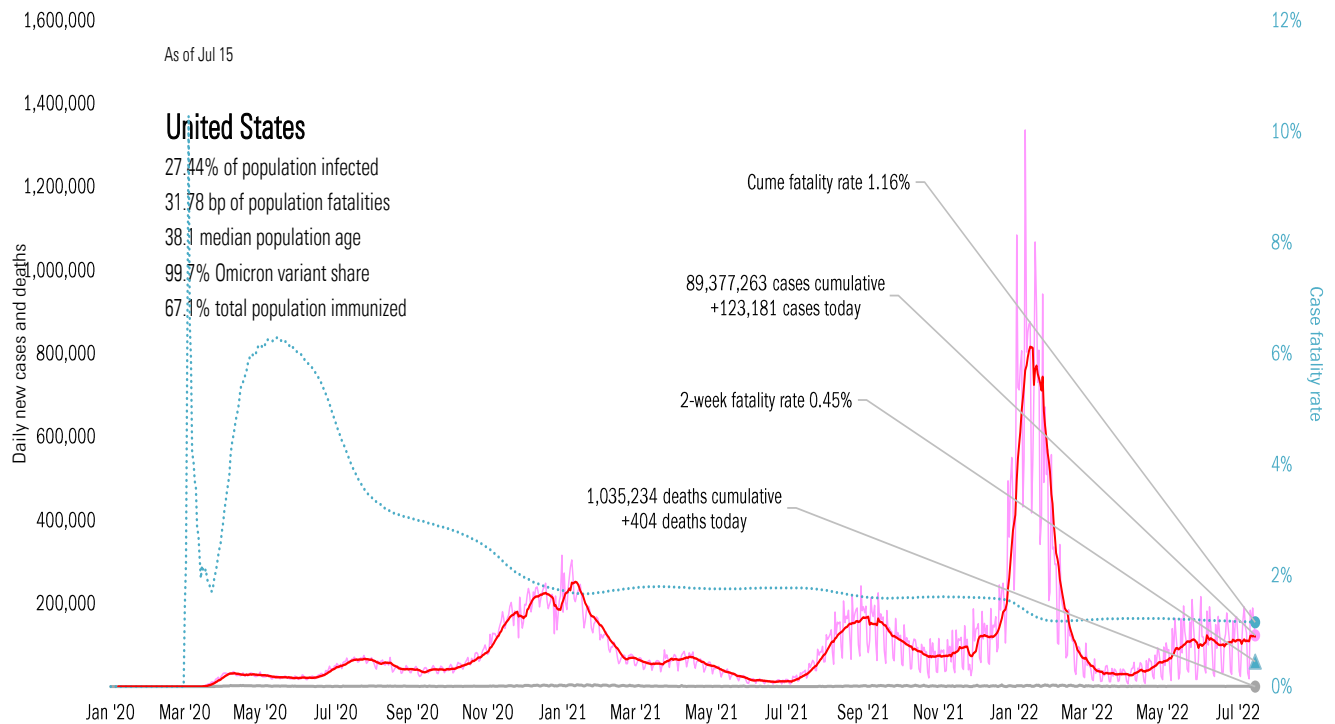
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
CA	21,348		CA	99		GA	269		CA	10,397,268		CA	92,904		TX	512,373		RI	90%		RI	92%	
FL	17,393		FL	67		IL	271		TX	7,365,670		TX	88,924		CA	460,197		MA	87%		TX	89%	
TX	14,125		NY	22		OH	212		FL	6,612,800		FL	76,581		FL	453,517		WA	85%		AL	83%	
MO	12,165		NM	21		NJ	175		NY	5,710,185		NY	69,934		NY	275,506		MN	85%		MA	83%	
IL	4,607		IN	18		OK	79		IL	3,496,014		PA	45,949		GA	212,590		GA	85%		NC	83%	
FR	4,558		MO	18		AR	83		PA	3,038,076		CH	38,959		CH	202,346		MD	84%		GA	82%	
NY	4,545		IL	16		AL	133		NC	2,919,068		GA	38,821		PA	189,324		DE	84%		WA	82%	
NJ	3,971		VA	15		MN	74		CH	2,891,756		IL	38,737		IL	171,637		MO	84%		VT	80%	
IN	3,825		OR	13		MI	130		GA	2,694,160		MI	37,142		MI	151,525		WV	83%		NM	79%	
TN	3,580		MD	10		TN	113		MI	2,636,214		NJ	34,152		KY	137,291		DC	83%		NH	79%	
90,117			299			1,539			47,761,211			562,103			2,766,306								
All states	123,181		404			6,336			All states	89,377,263		1,035,234			5,022,982			All states	70%		67%		
Top ten	73%		74%			24%			Top ten	53%		55%			55%			Median	77%		73%		

Some states not reporting

Five most improved US states

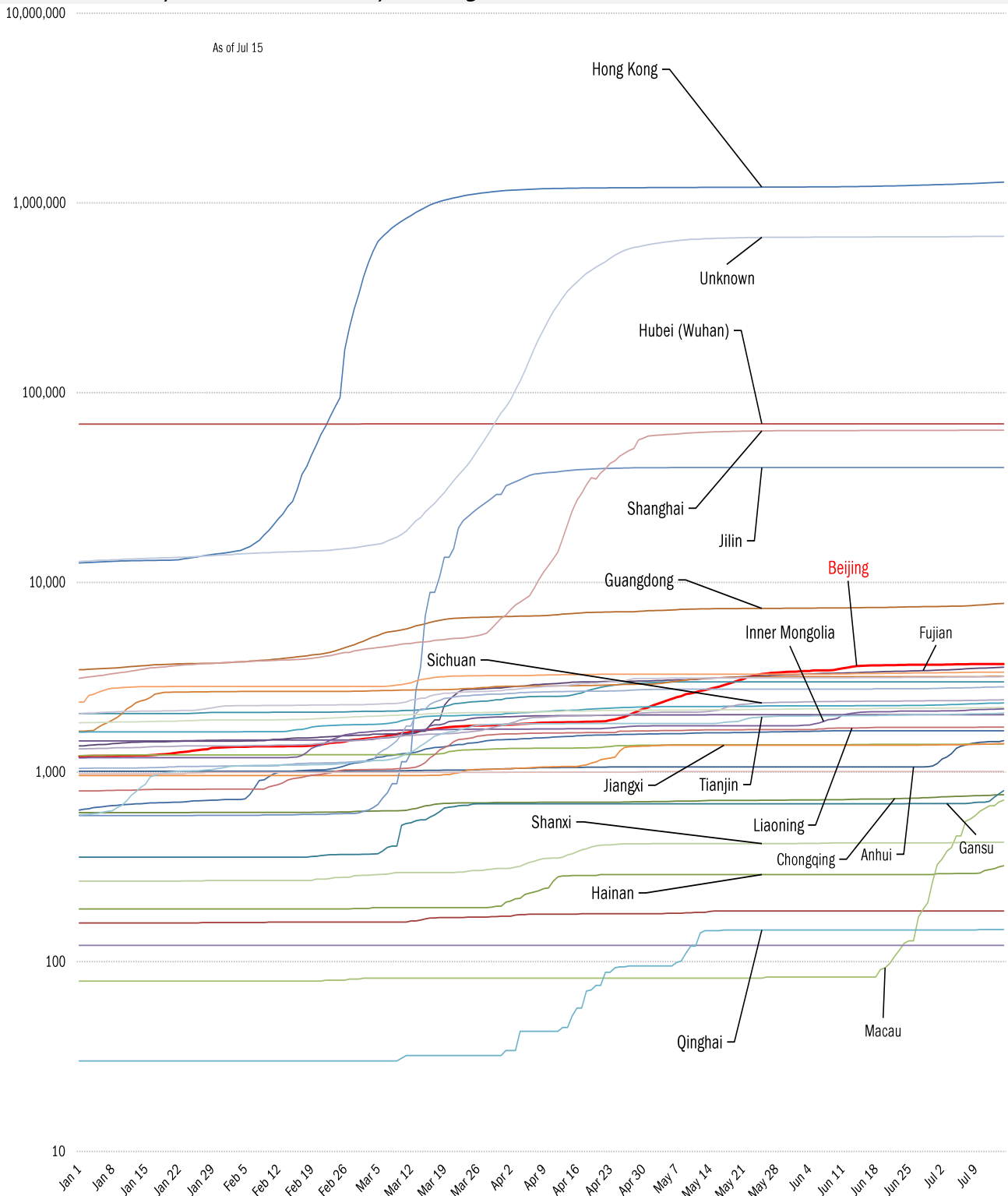
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CH	-24,465	MN	-44	TX	-221	WY	+40380 bp
MN	-9,521	MA	-33	NY	-159	MO	+35259 bp
MA	-7,872	OK	-30	CA	-150	ID	+32787 bp
UT	-7,789	UT	-22	FL	-83	AZ	+30926 bp
NY	-5,064	TX	-13	WA	-56	PA	+29501 bp



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"



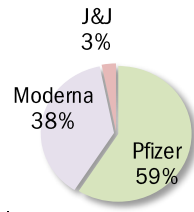
Source: [Johns Hopkins](#), TrendMacro calculations

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

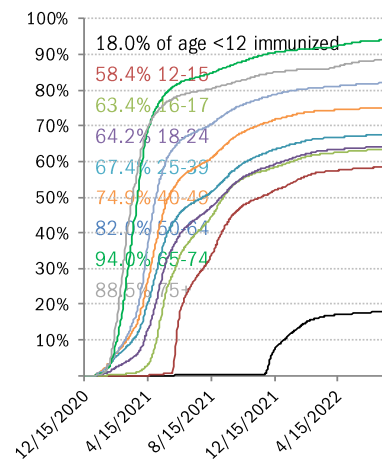
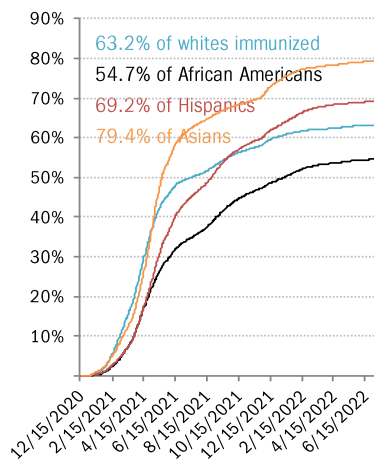
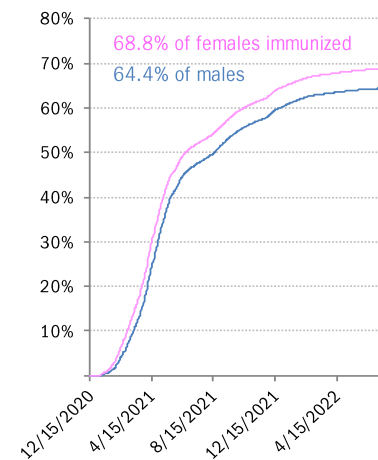
Best
Middle
Worst

*"Immunity" = two doses

As of Jul 14

WI	72.6%	66.2%
ME	92.3%	80.7%
WA	82.0%	62.4%
ID	62.4%	66.0%
MT	66.0%	66.4%
ND	66.4%	76.0%
MN	76.0%	76.5%
IL	76.5%	67.6%
MI	67.6%	73.1%
NY	91.3%	95.0%
VT	95.0%	82.1%
NH	89.8%	71.7%
OR	78.8%	55.9%
NV	55.9%	57.4%
WY	57.4%	56.2%
SD	56.2%	69.8%
IA	69.8%	60.7%
IN	60.7%	68.6%
OH	68.6%	62.7%
PA	62.7%	63.9%
NJ	63.9%	86.4%
MA	86.4%	91.6%
RI	91.6%	95.0%
CA	70.3%	61.5%
UT	61.5%	51.5%
CO	51.5%	78.0%
NE	78.0%	62.8%
MO	62.8%	62.5%
KY	62.5%	56.5%
WV	56.5%	58.9%
VA	58.9%	86.9%
MD	86.9%	87.9%
CT	87.9%	95.0%
DE	95.0%	80.2%
RI	80.2%	84.0%
AZ	83.3%	72.9%
NM	72.9%	80.5%
KS	80.5%	71.1%
NE	71.1%	64.2%
MO	64.2%	56.8%
KY	56.8%	66.9%
WV	66.9%	65.7%
VA	65.7%	86.9%
MD	86.9%	87.9%
CT	87.9%	95.0%
DE	95.0%	84.5%
DC	84.5%	76.6%
DE	76.6%	70.3%
OK	74.5%	89.4%
LA	89.4%	73.4%
MS	73.4%	67.6%
AL	67.6%	55.1%
GA	55.1%	55.0%
SC	55.0%	62.7%
NC	62.7%	57.8%
SC	57.8%	68.6%
DC	68.6%	95.0%
DE	95.0%	84.5%
OK	84.5%	72.0%
LA	72.0%	61.7%
MS	61.7%	60.3%
AL	60.3%	63.4%
GA	63.4%	66.2%
SC	66.2%	55.5%
NC	55.5%	58.1%
SC	58.1%	54.0%
NC	54.0%	52.5%
AL	52.5%	51.7%
GA	51.7%	55.5%
TX	88.8%	79.3%
FL	88.8%	80.3%
PR	80.3%	67.7%
PR	67.7%	95.0%
PR	95.0%	83.7%

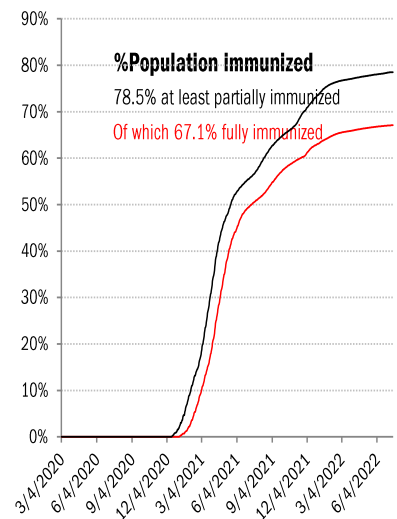
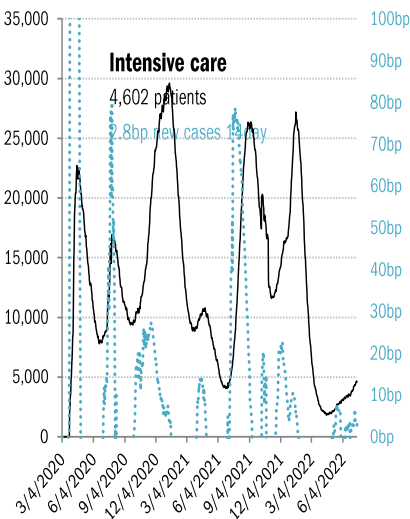
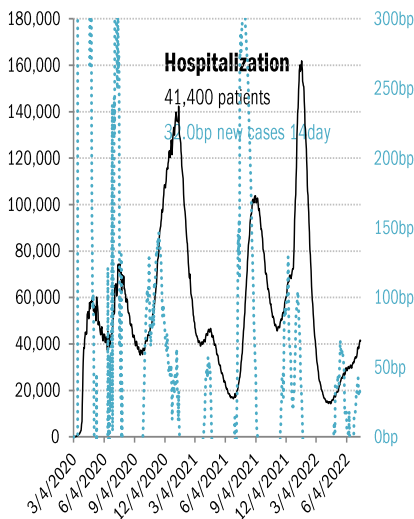
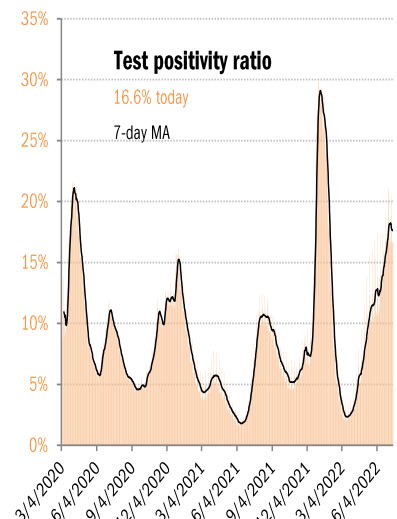
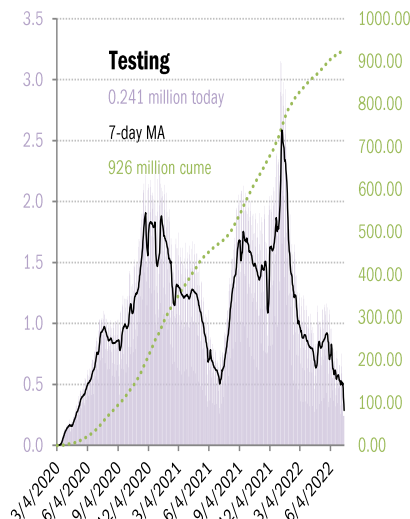
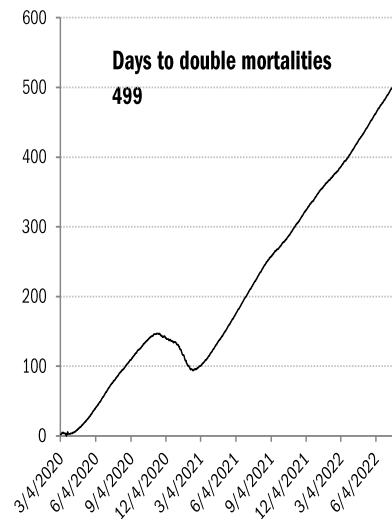
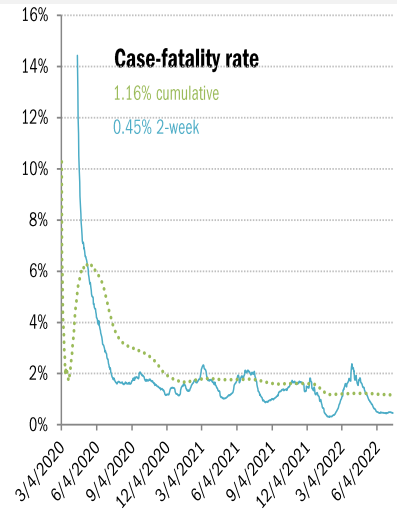
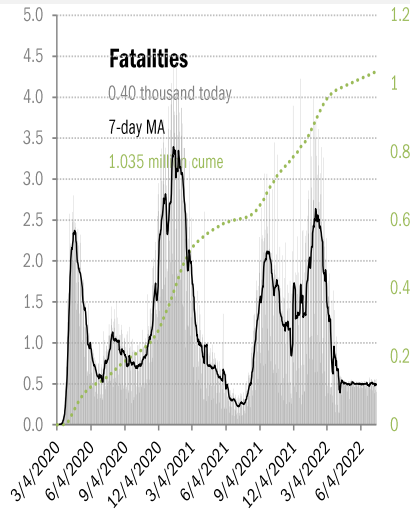
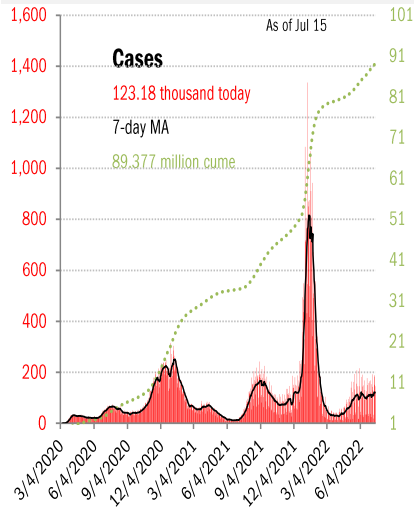
The demographics of US vaccination



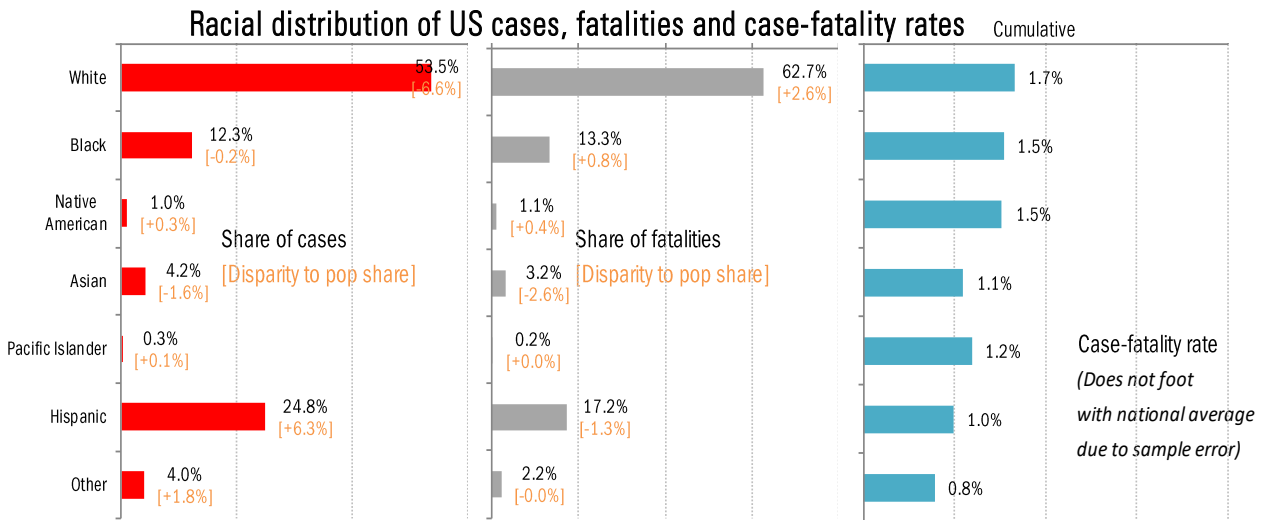
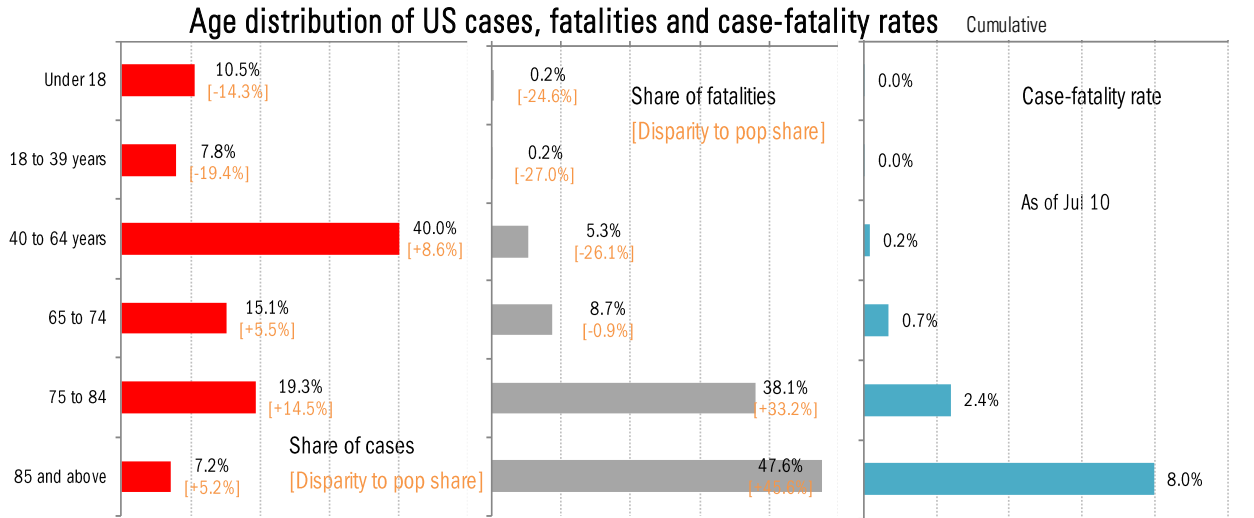
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

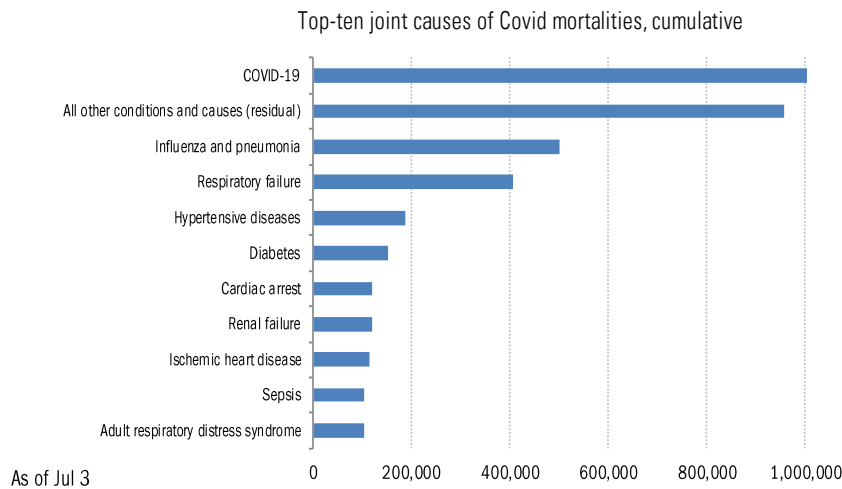
National and state-by-state data do not line up because of different sources



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



Comorbidities



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

[Whilst you were distracted by Boris resigning the UK Gov. published a report confirming Fully Vaccinated Children are 13,633% more likely to die of COVID than Unvaccinated Children](#)

The Expose

July 13, 2022

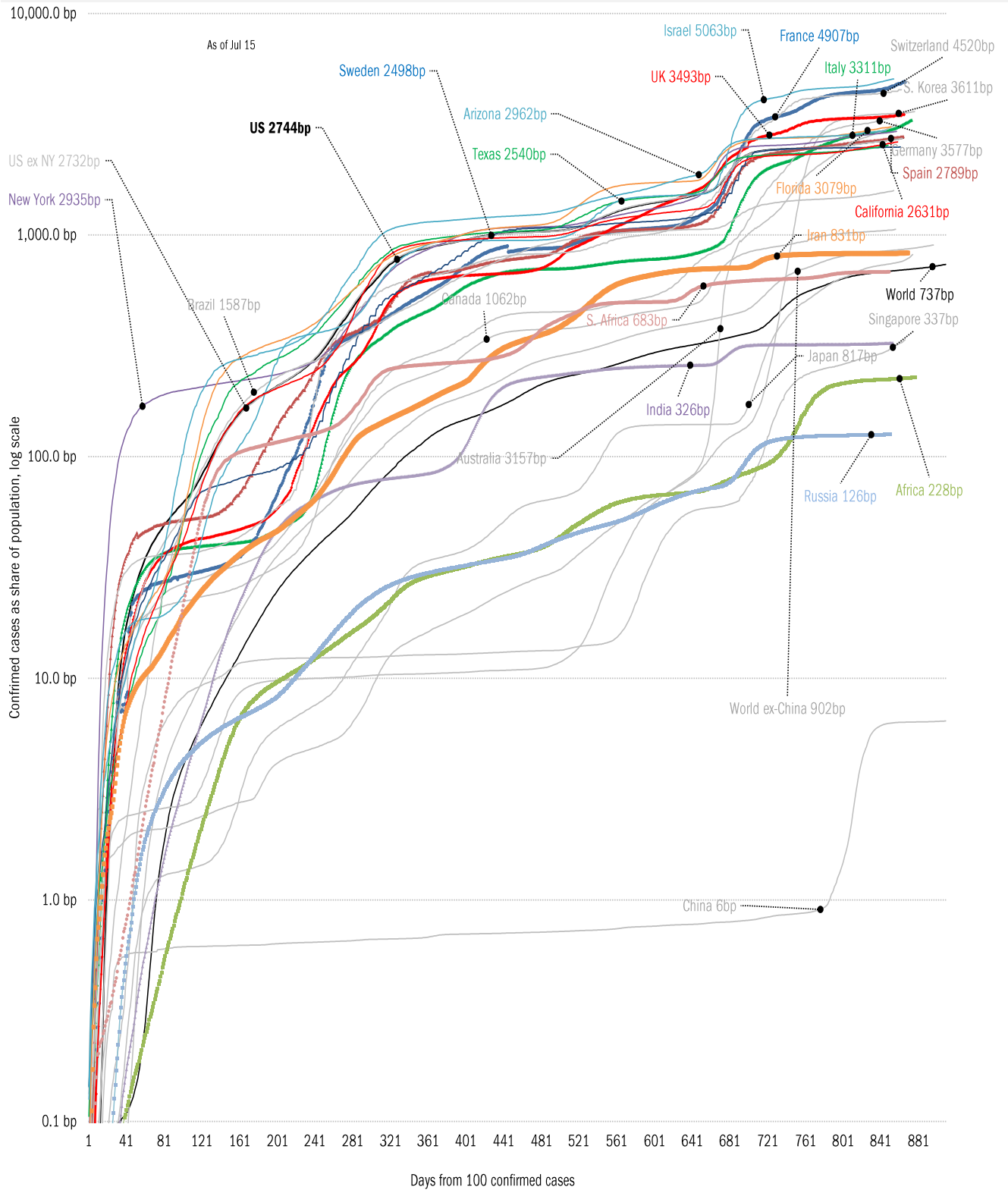
Meme of the day



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

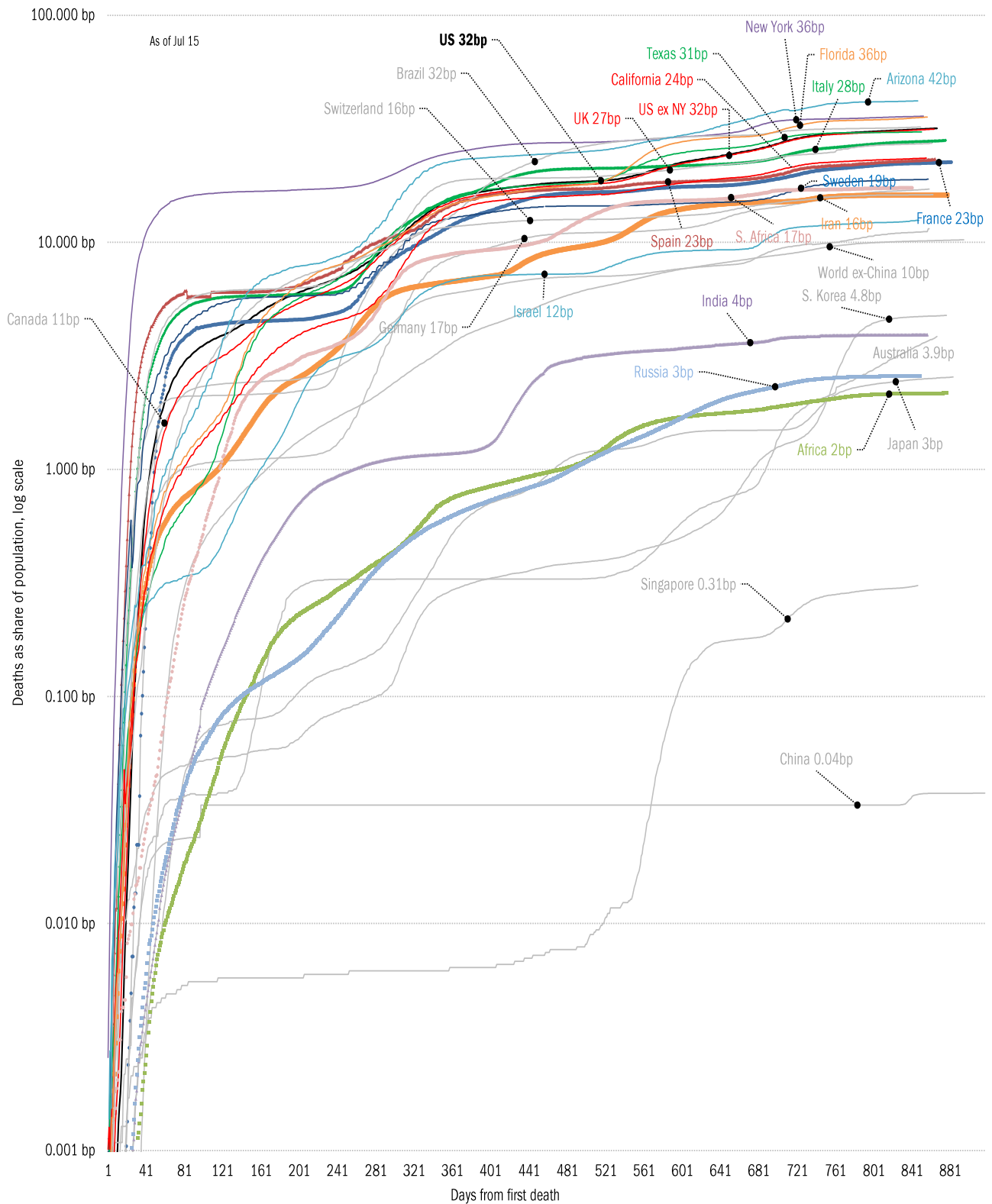
The global coronavirus case accelerometer... tracking the world's infection curves

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

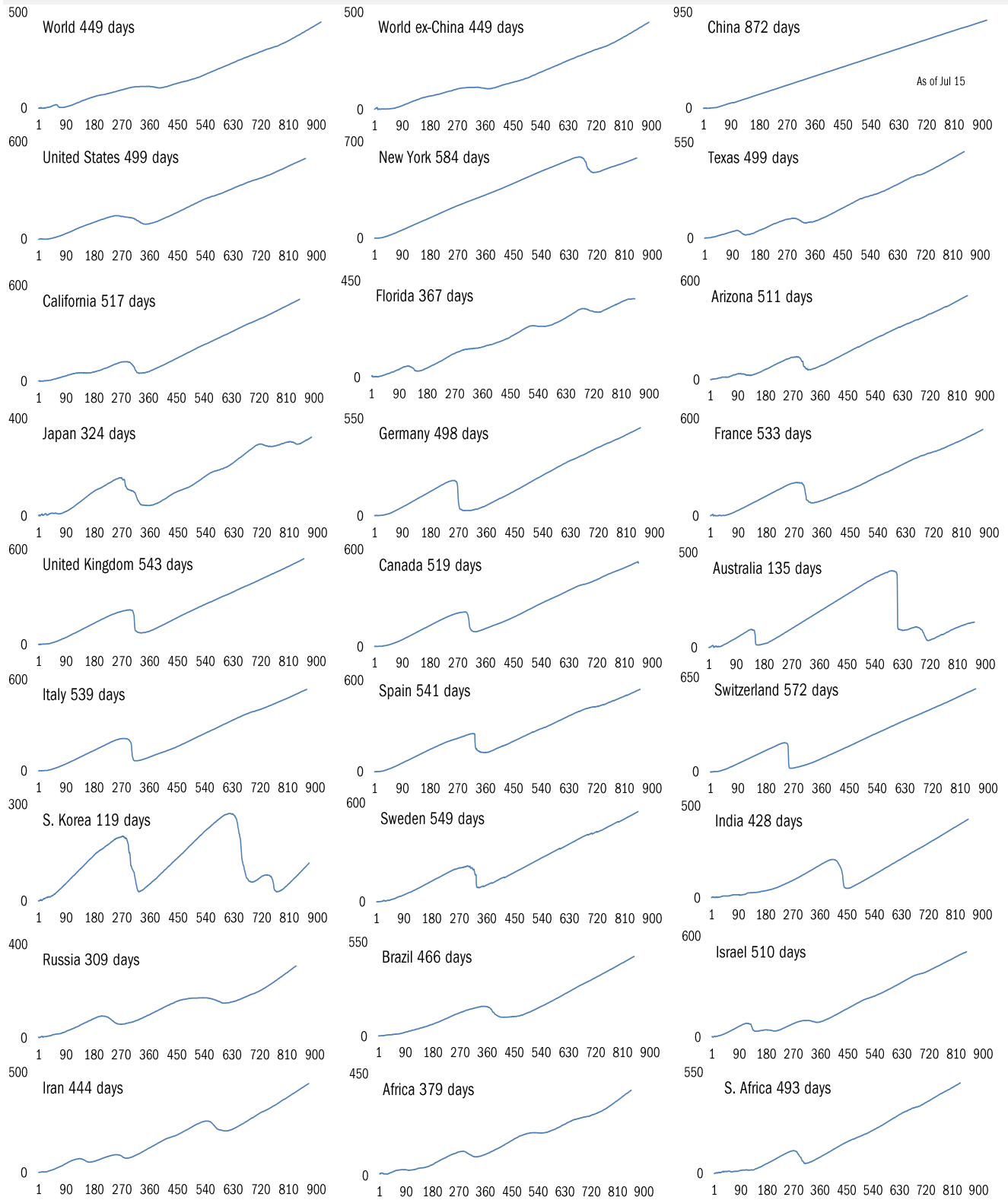


Source: [Johns Hopkins](#), TrendMacro calculations

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

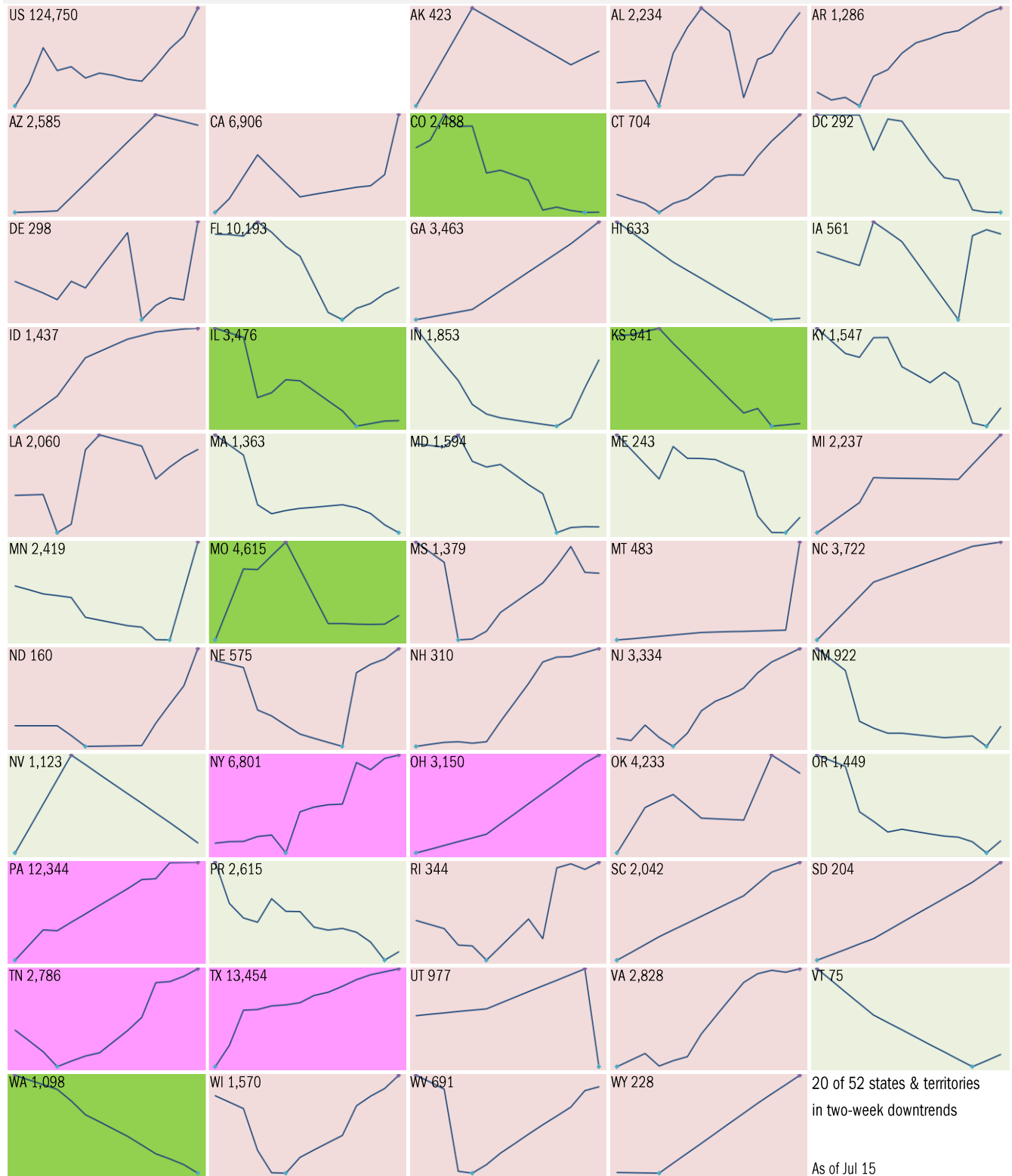


Source: [Johns Hopkins](#), TrendMacro calculations

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

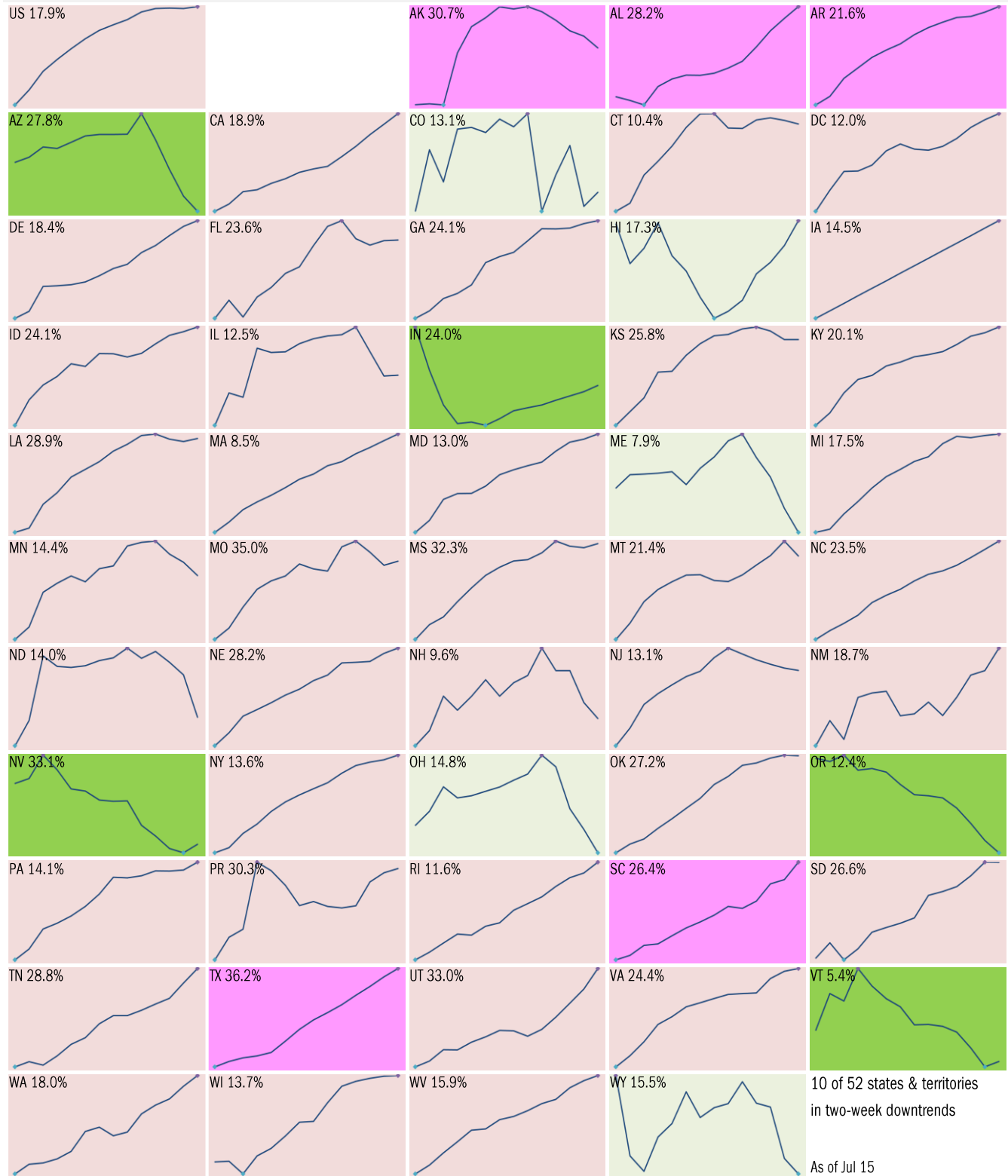


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

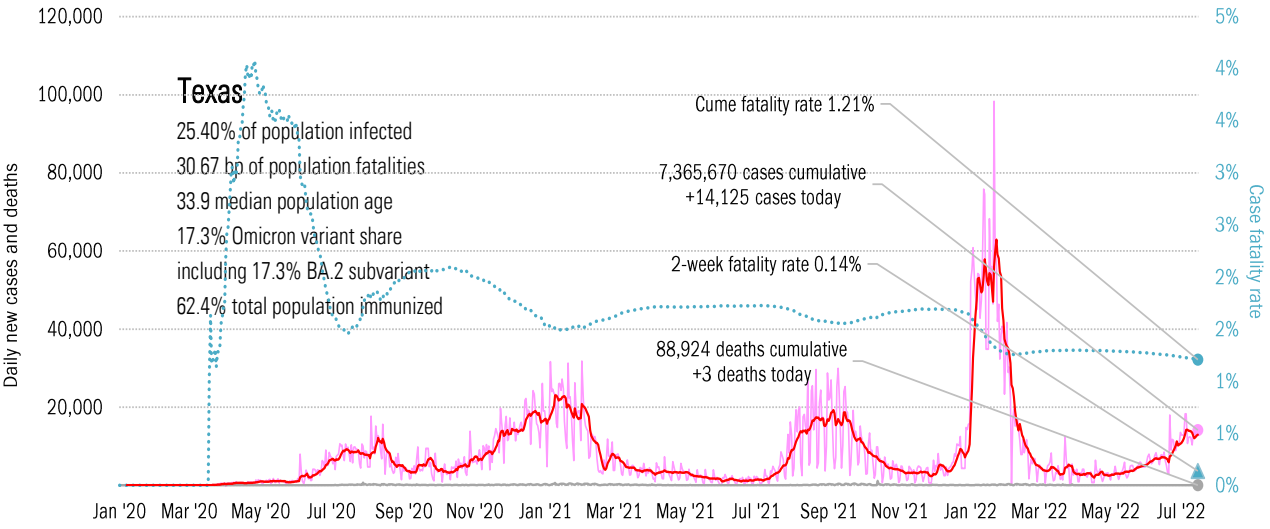
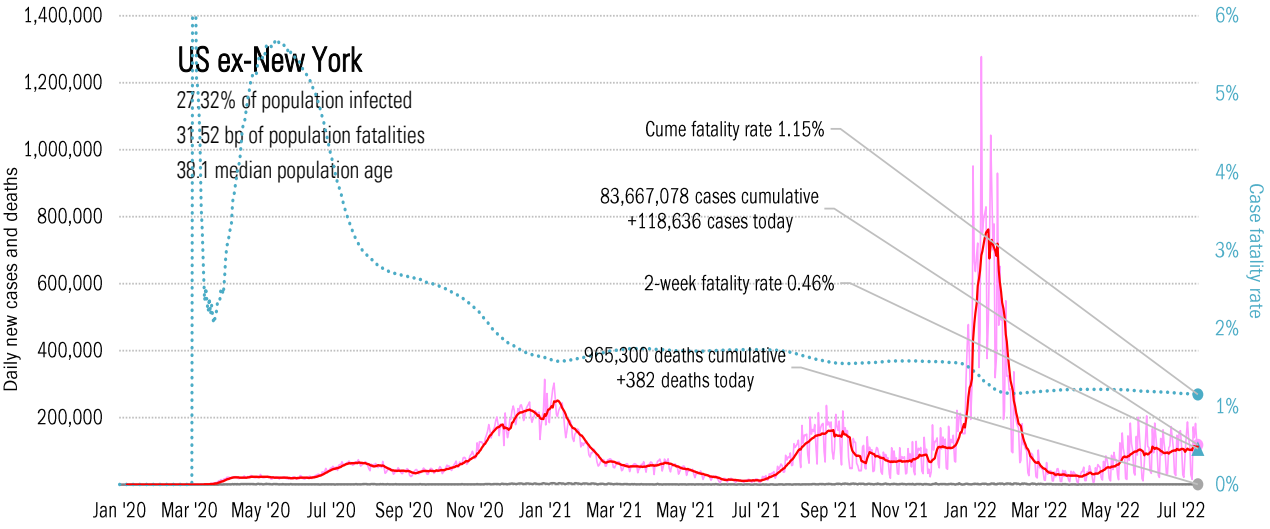
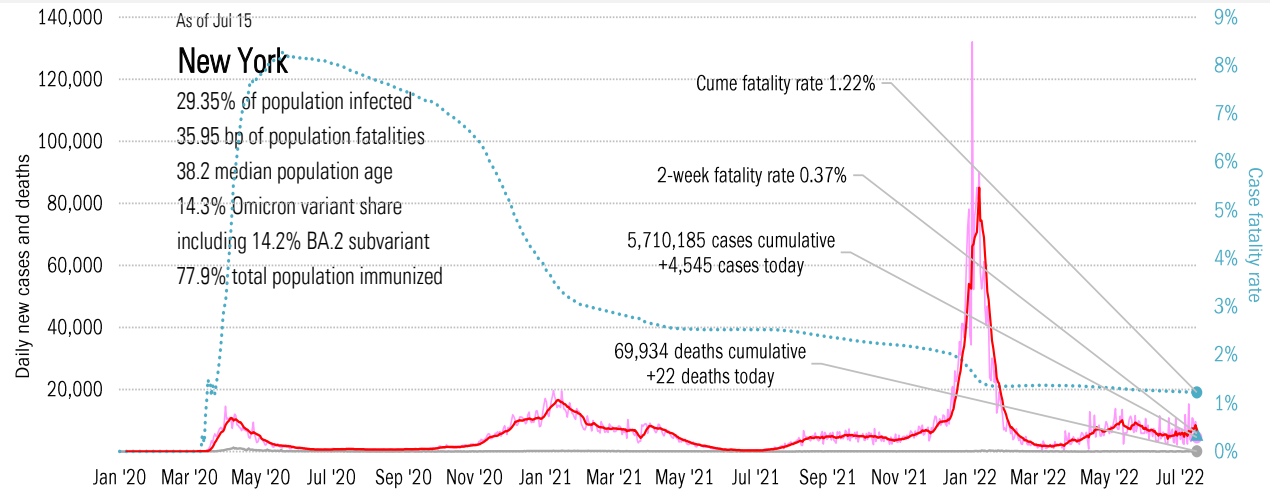
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

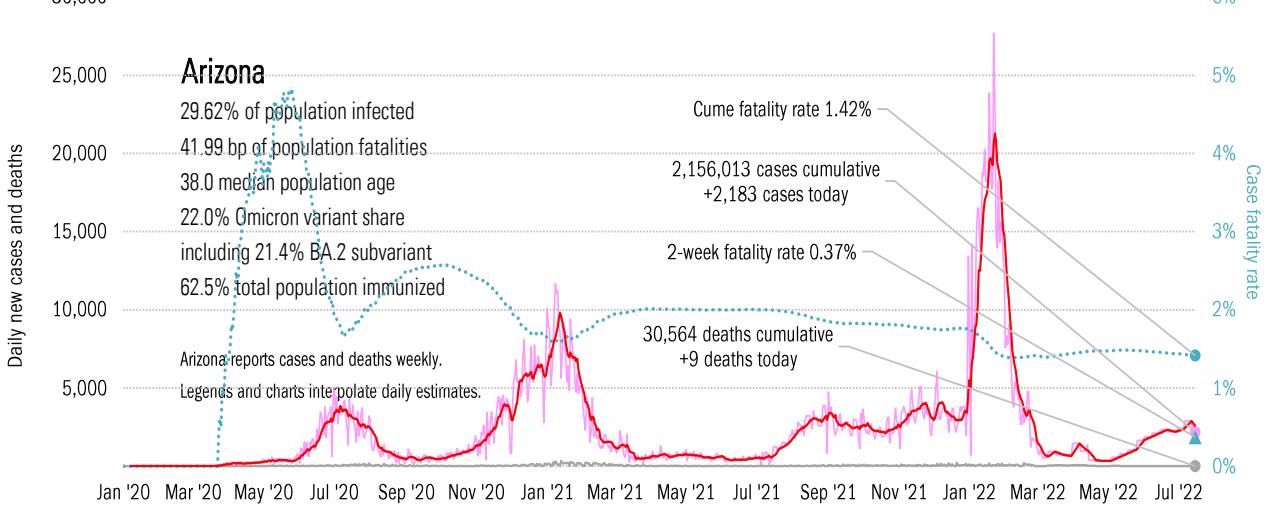
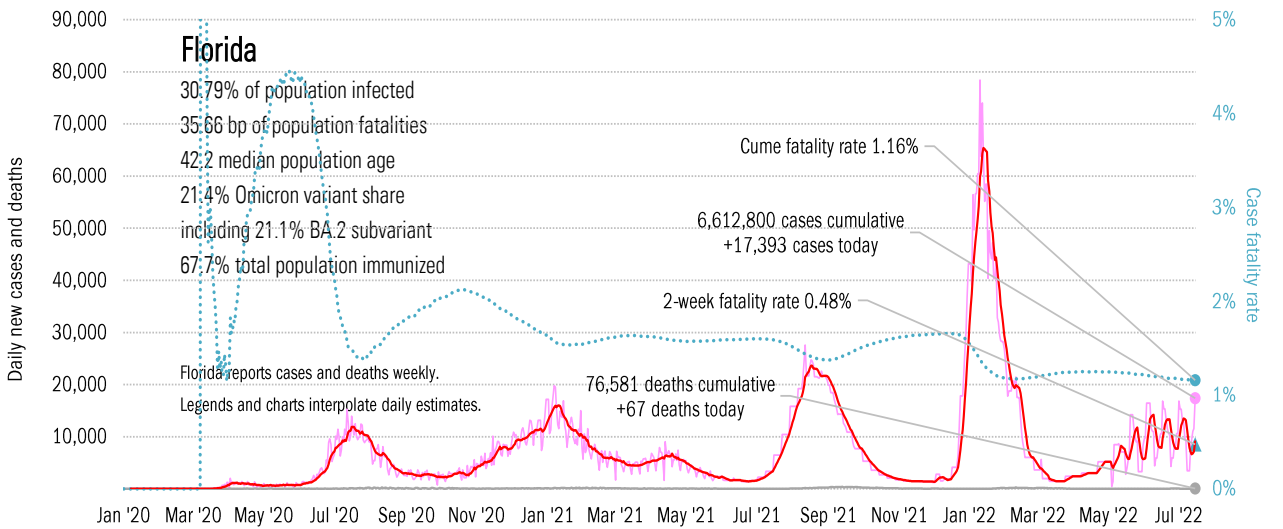
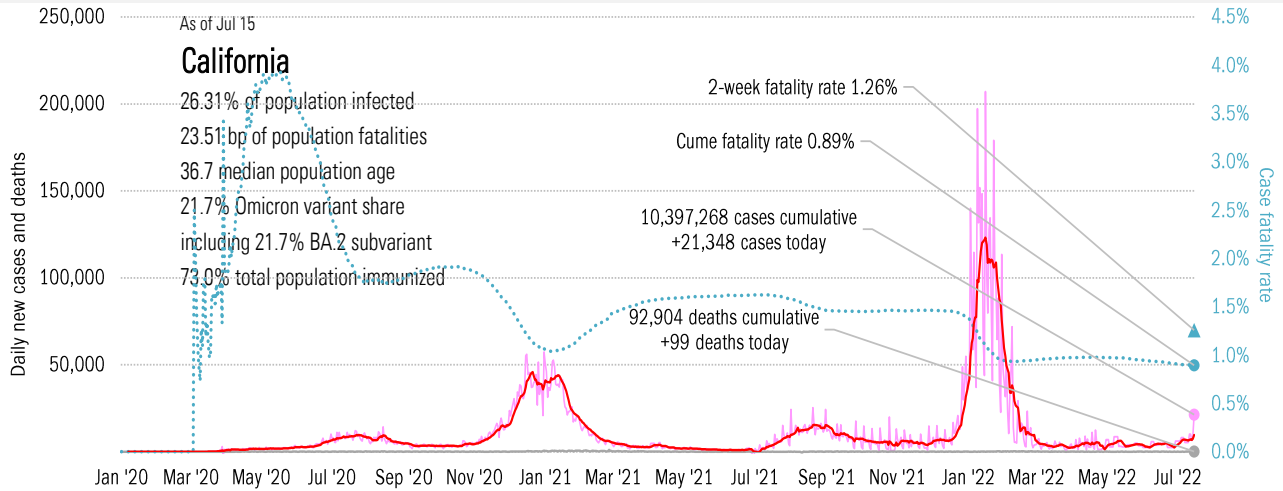
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

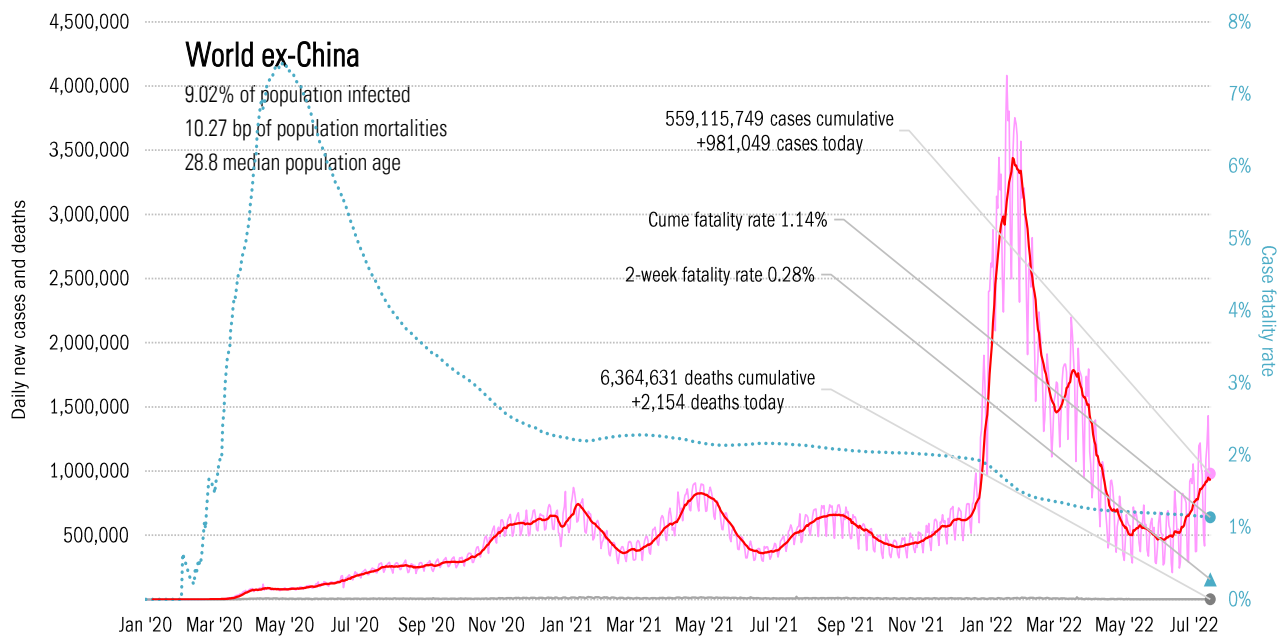
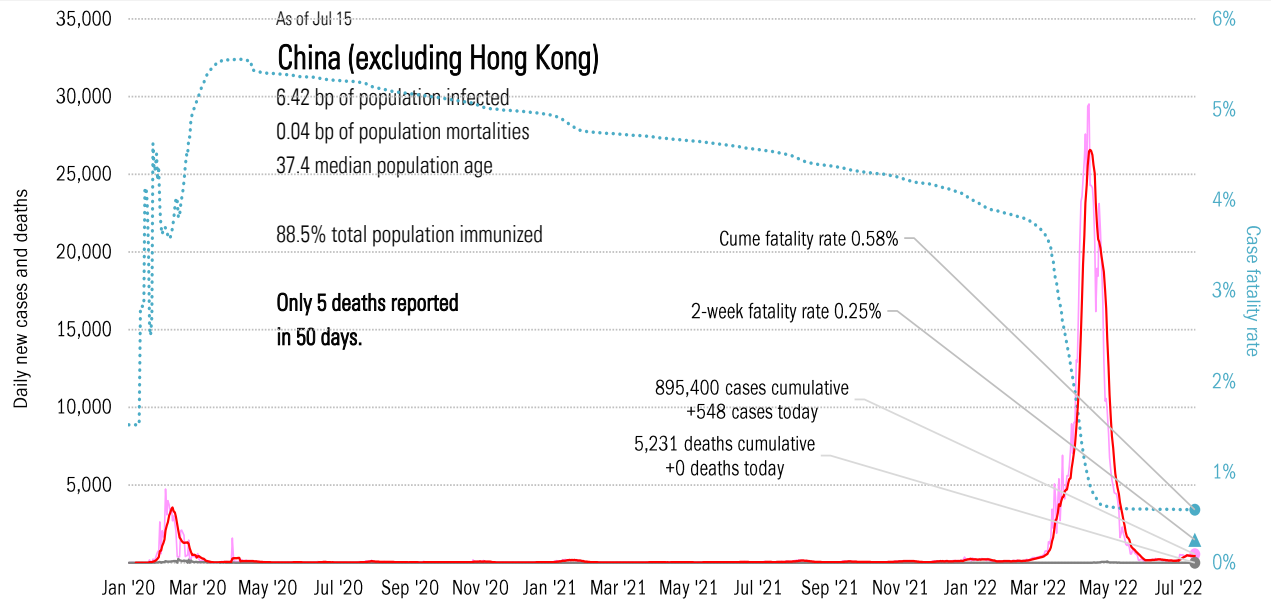
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

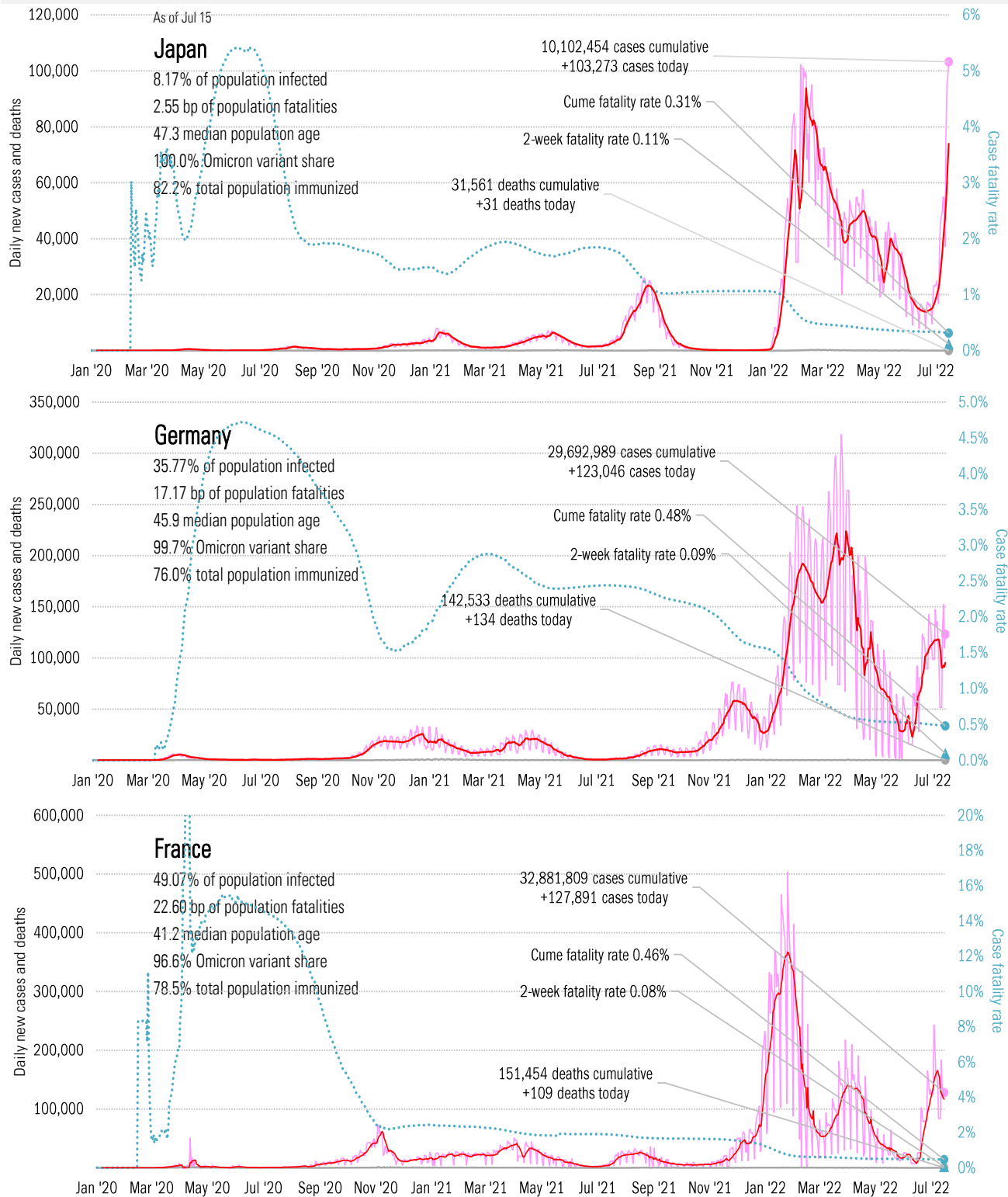
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

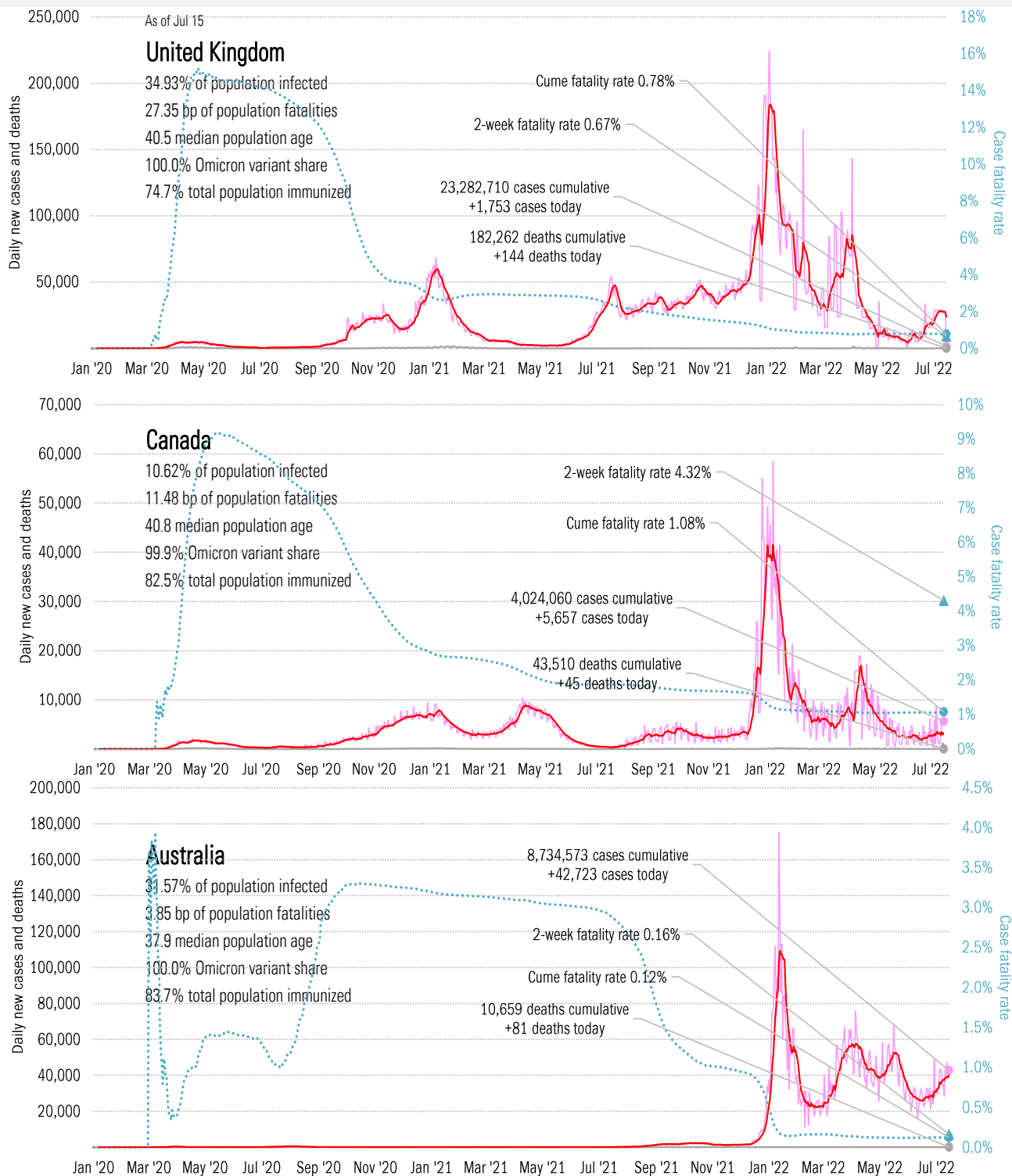
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

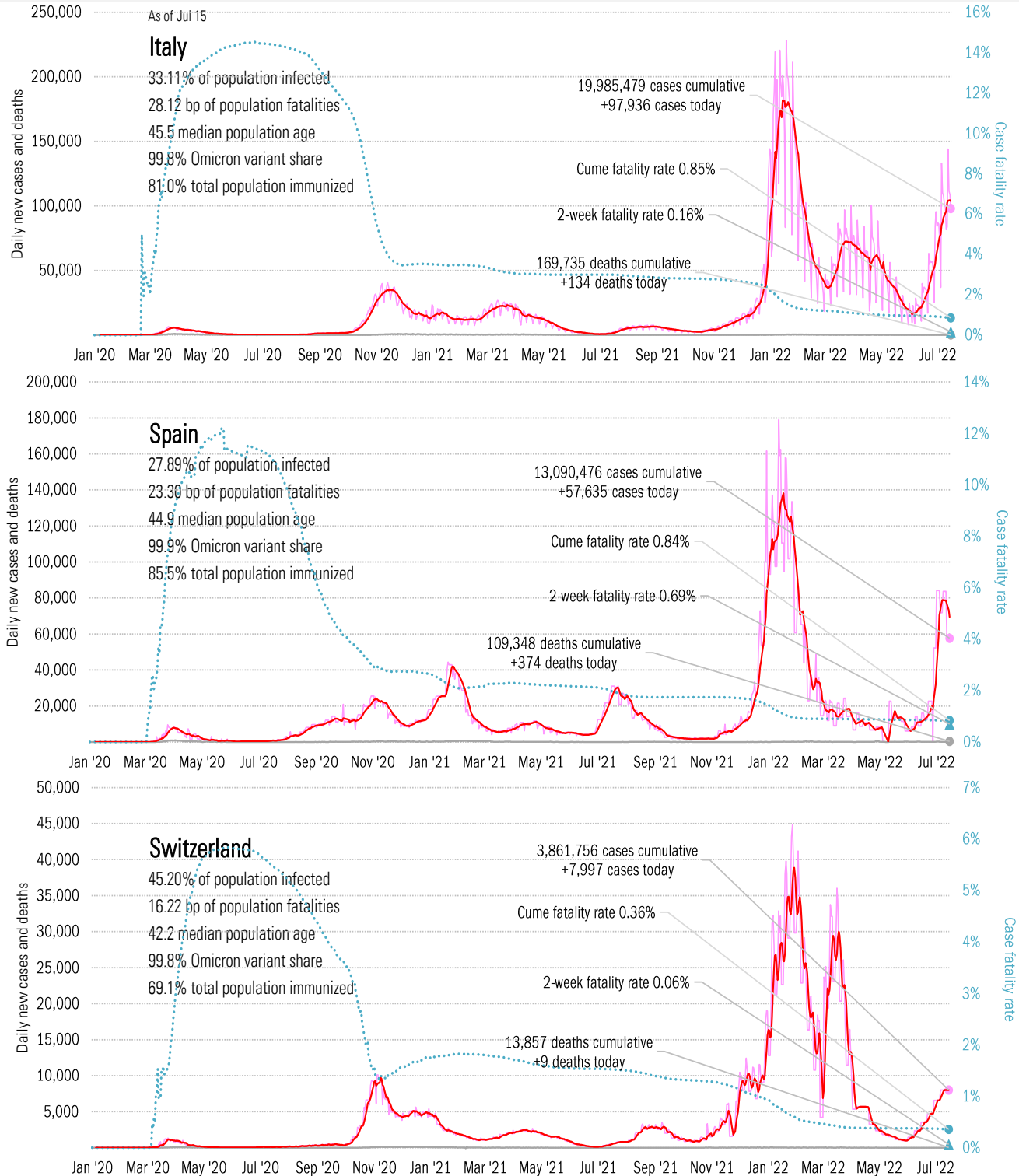
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

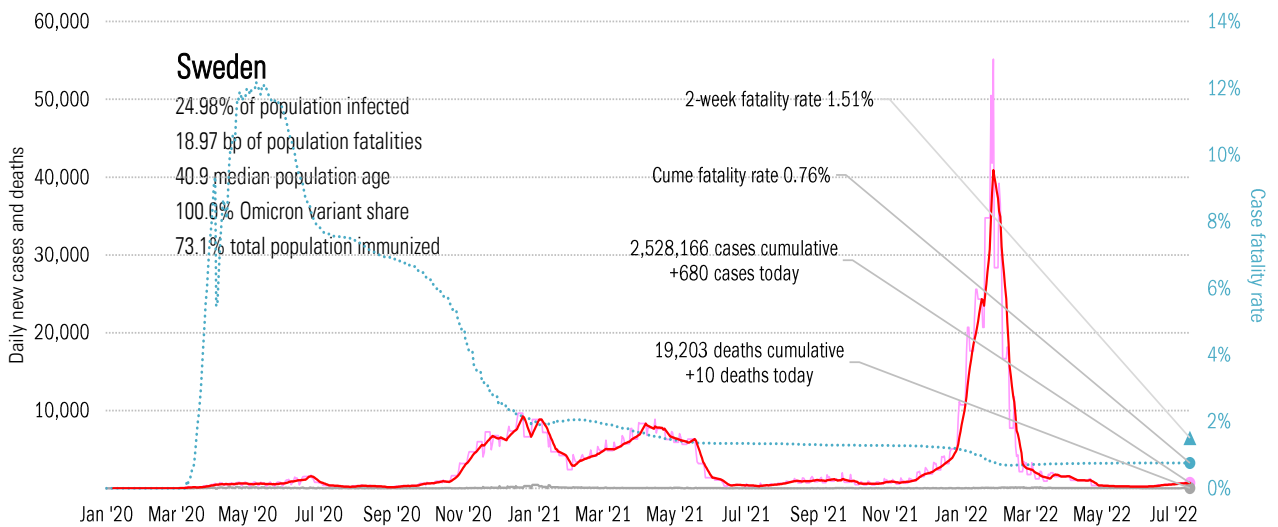
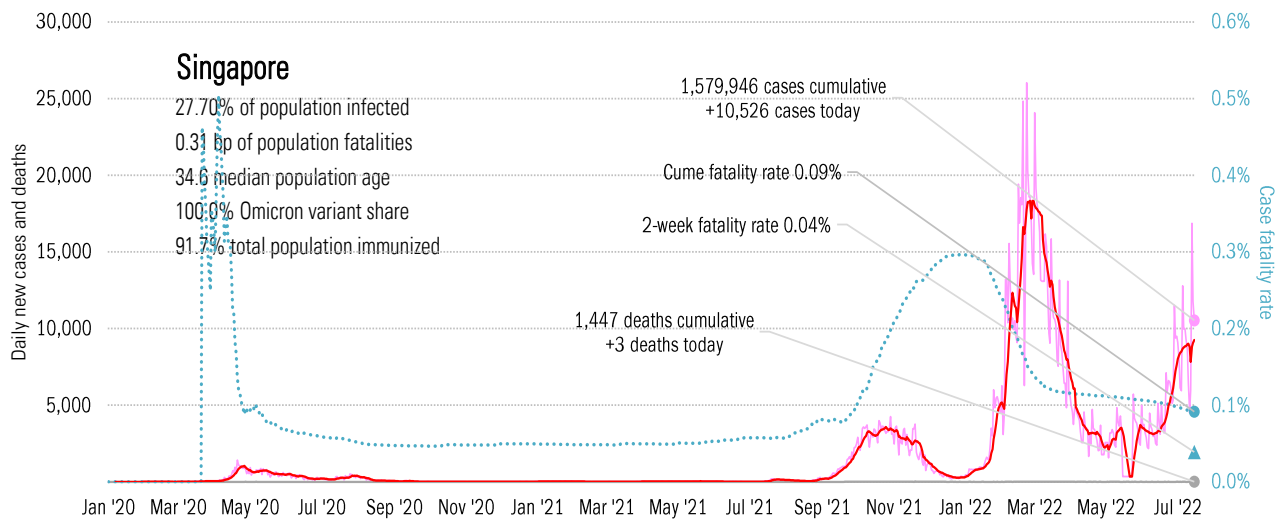
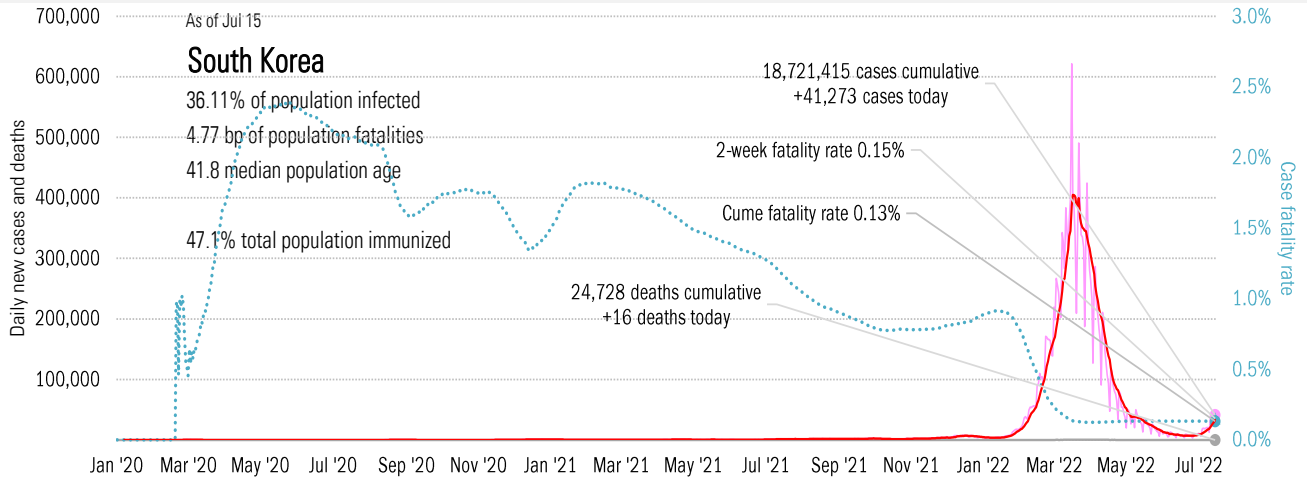
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

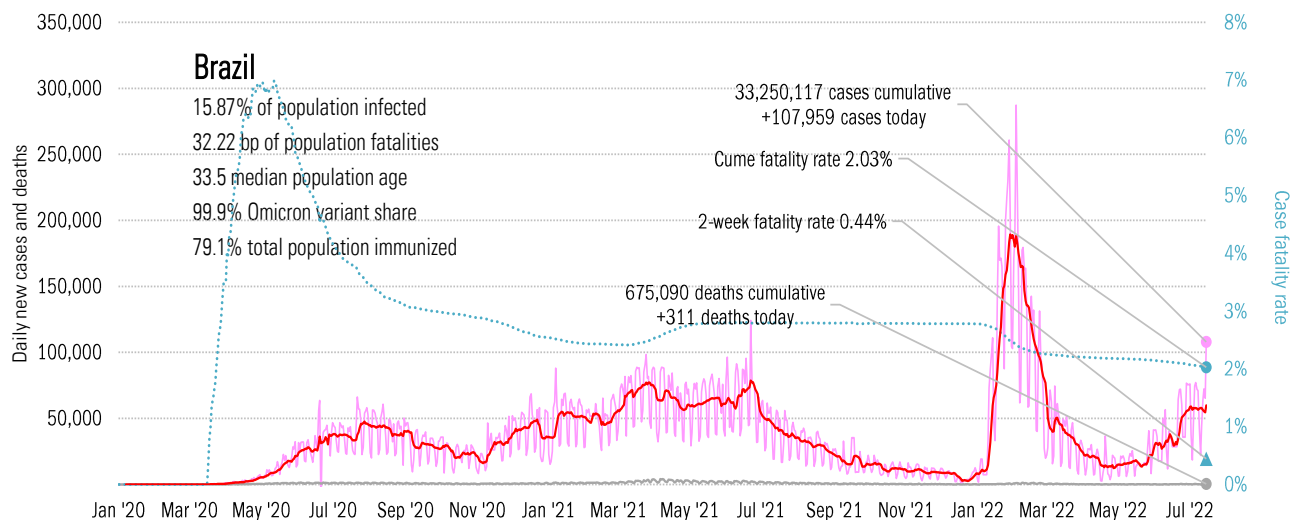
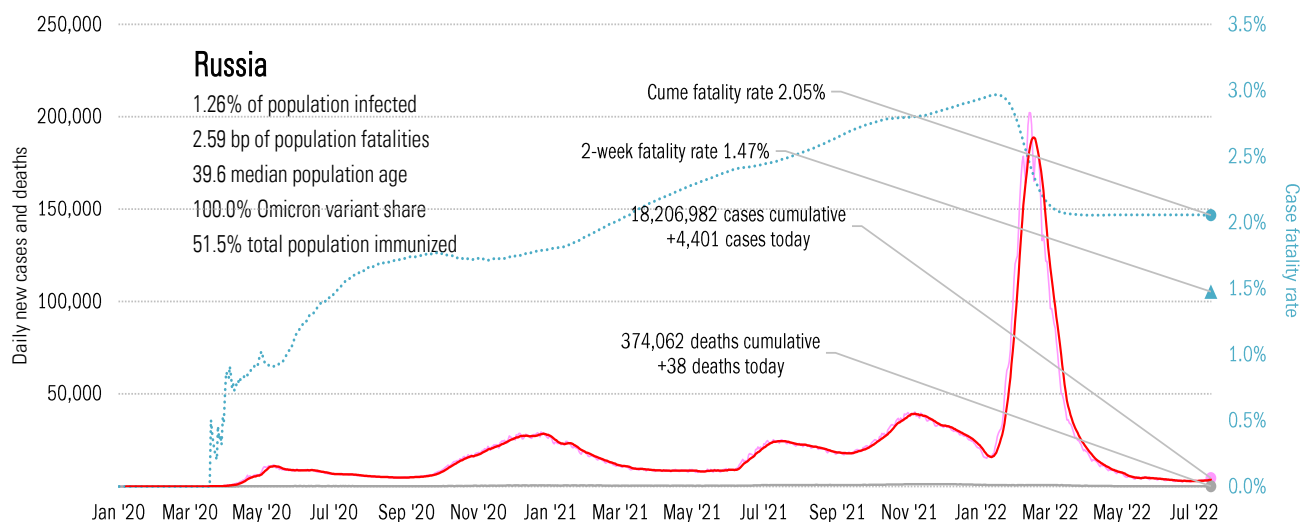
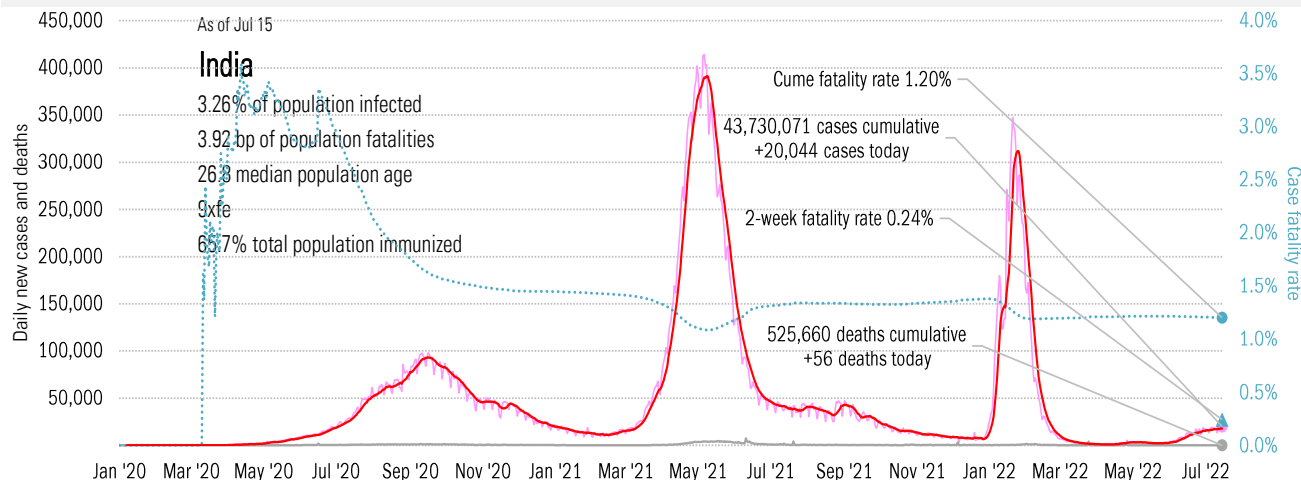
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

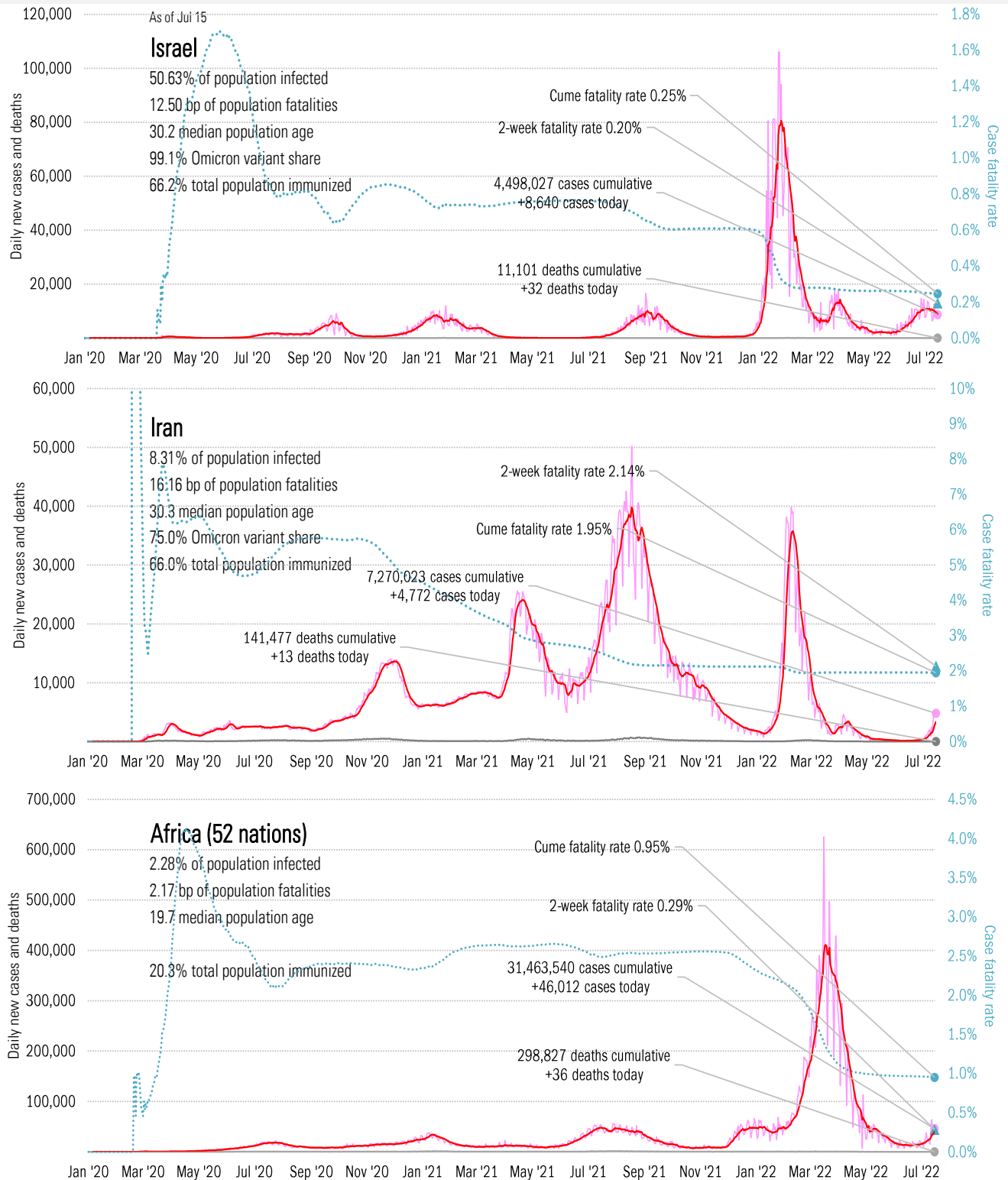
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

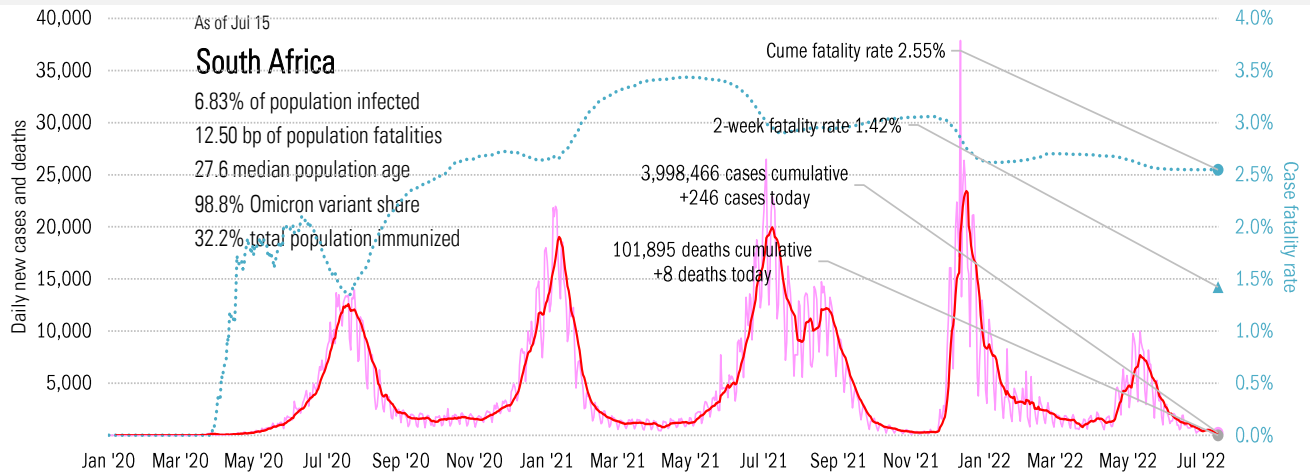
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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