

Data Insights: Covid-2019 Monitor

Friday, July 29, 2022

The global scorecard

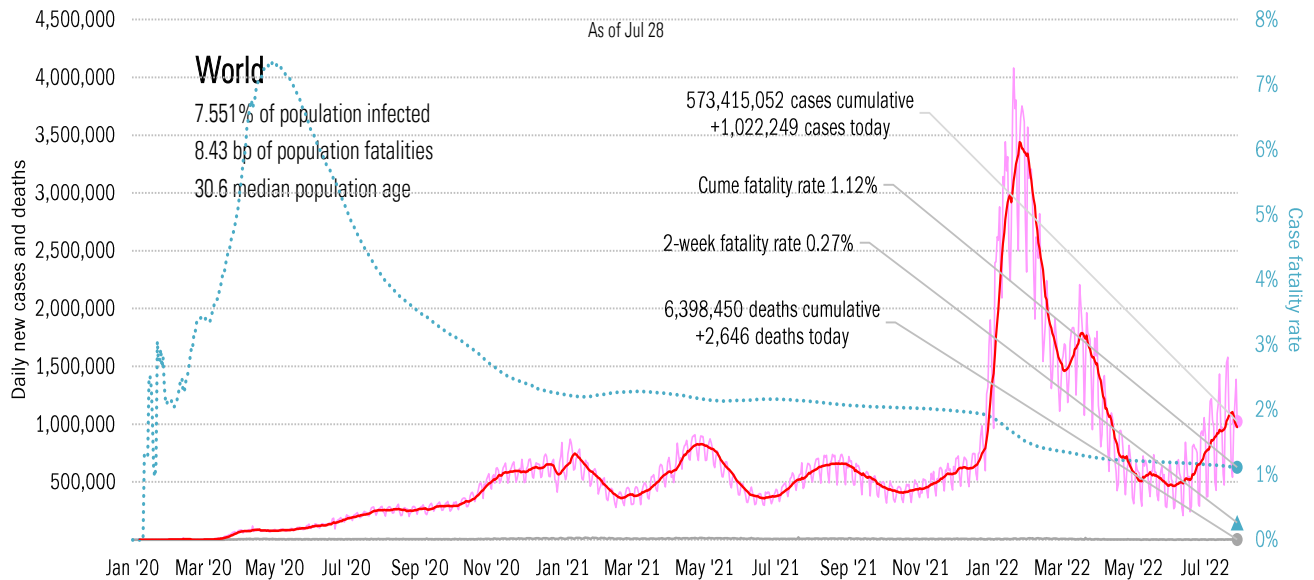
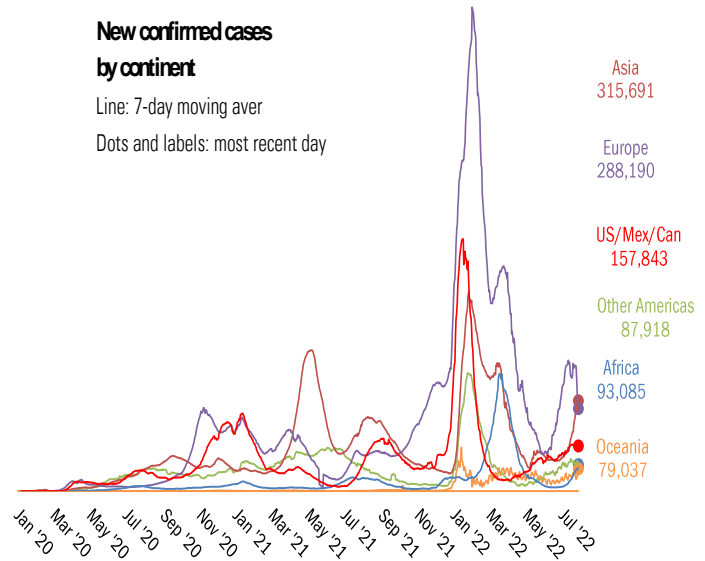
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	232,997	United States	561
United States	172,473	Brazil	265
Korea, South	85,275	Colombia	242
Germany	84,798	Italy	199
Italy	60,826	Australia	157
France	51,651	Germany	153
Brazil	44,592	Canada	128
Australia	44,170	Japan	114
New Zealand	34,667	France	112
Taiwan*	23,949	Sweden	109
835,398		2,040	
World	1,022,249	World	2,646
Top ten	82%	Top ten	77%

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

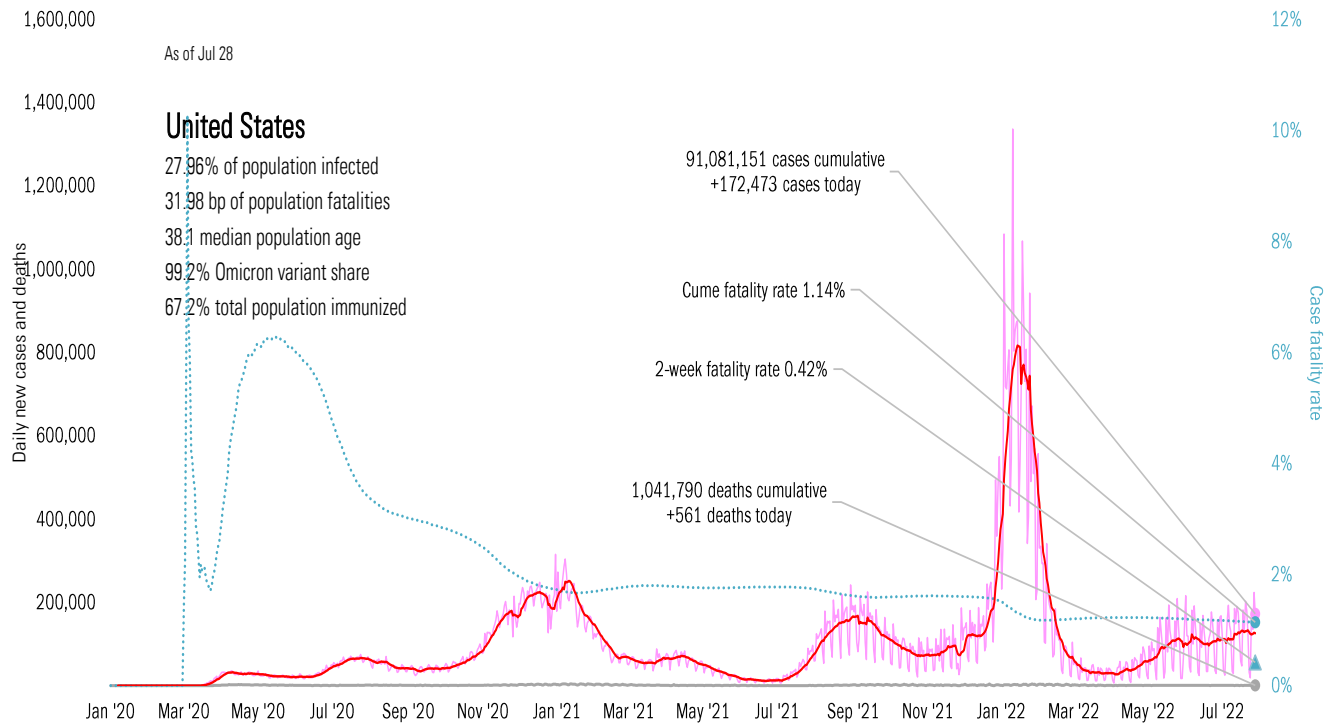
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
CH	29,876		MN	51		IN	147		CA	10,659,174		CA	93,372		TX	520,006		RI	91%	DE	90%								
TX	13,939		FL	51		NC	190		TX	7,520,865		TX	89,204		CA	469,165		MA	88%	TX	89%								
NY	12,119		MA	49		GA	271		FL	6,748,077		FL	77,407		FL	463,042		MN	85%	RI	84%								
FL	10,669		OK	36		PA	233		NY	5,807,102		NY	70,257		NY	280,370		GA	85%	AL	83%								
CA	7,516		NY	34		WV	72		IL	3,557,740		PA	46,164		GA	215,479		DE	85%	WA	83%								
KS	7,359		IL	26		MD	102		PA	3,080,593		GA	39,050		CH	205,130		MD	84%	NM	82%								
IL	7,151		TX	22		WI	111		NC	2,983,130		CH	39,035		PA	191,830		WA	84%	DC	82%								
IN	6,623		WV	20		MN	81		CH	2,948,242		IL	38,873		IL	174,523		WV	83%	MA	82%								
NC	4,847		CA	17		VA	119		GA	2,750,915		MI	37,428		MI	153,140		MO	83%	NC	81%								
NJ	4,748		UT	16		NE	29		MI	2,672,312		NJ	34,253		KY	138,616		NH	83%	AK	81%								
104,847			322			1,355			48,728,150			565,043			2,811,301														
All states			172,473			561			6,486			All states			91,081,151			1,041,790			5,102,932			All states		70%		67%	
Top ten			61%			57%			21%			Top ten			53%			55%			55%			Median		78%		73%	

Some states not reporting

Five most improved US states

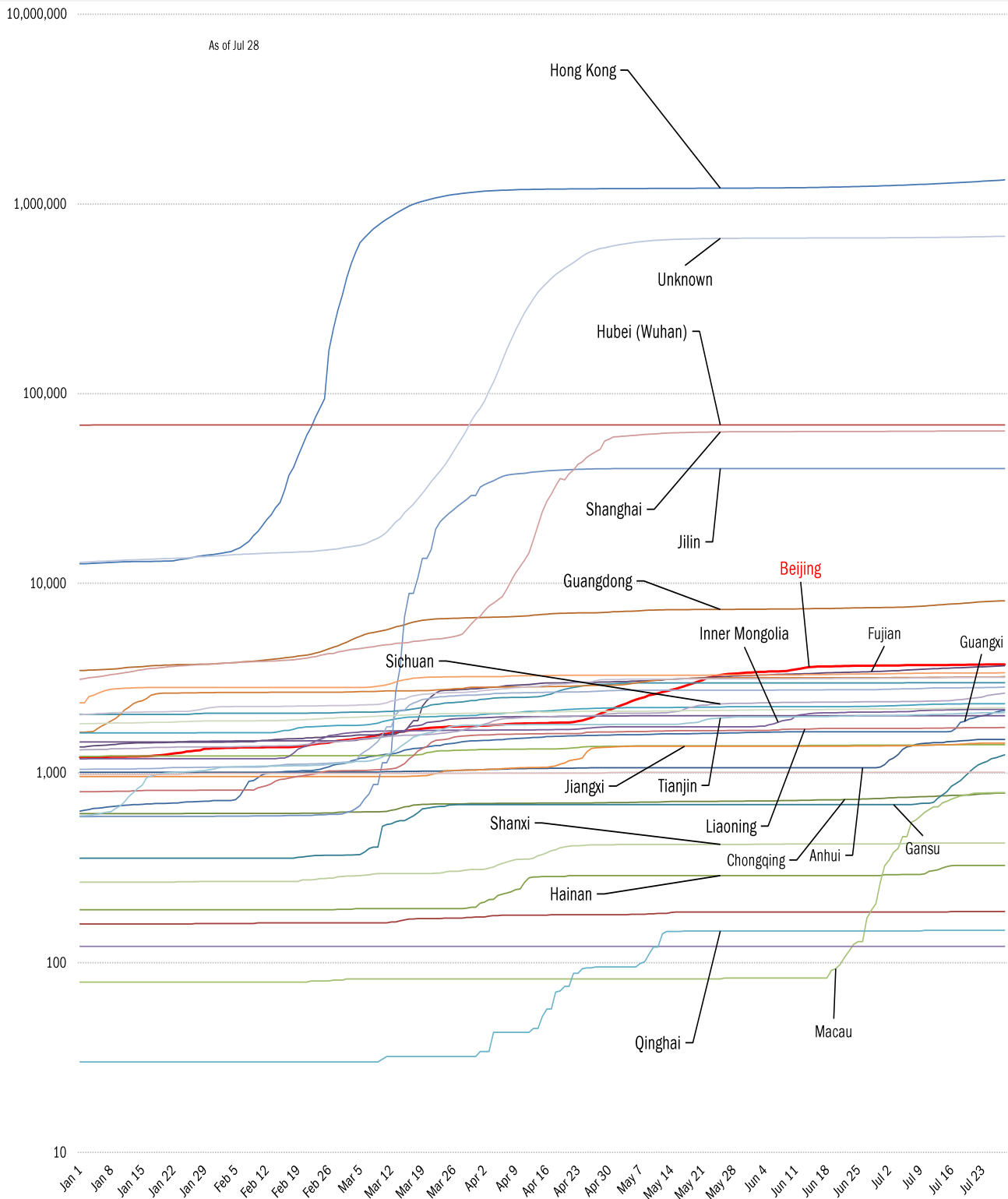
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
IA	-1,162	GA	-117	FL	-154
LA	-1,064	PA	-117	NY	-105
OR	-498	TN	-98	TX	-88
DC	-454	NC	-48	MO	-59
CT	-445	WA	-43	SC	-35



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"

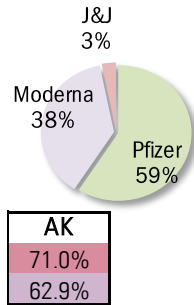


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

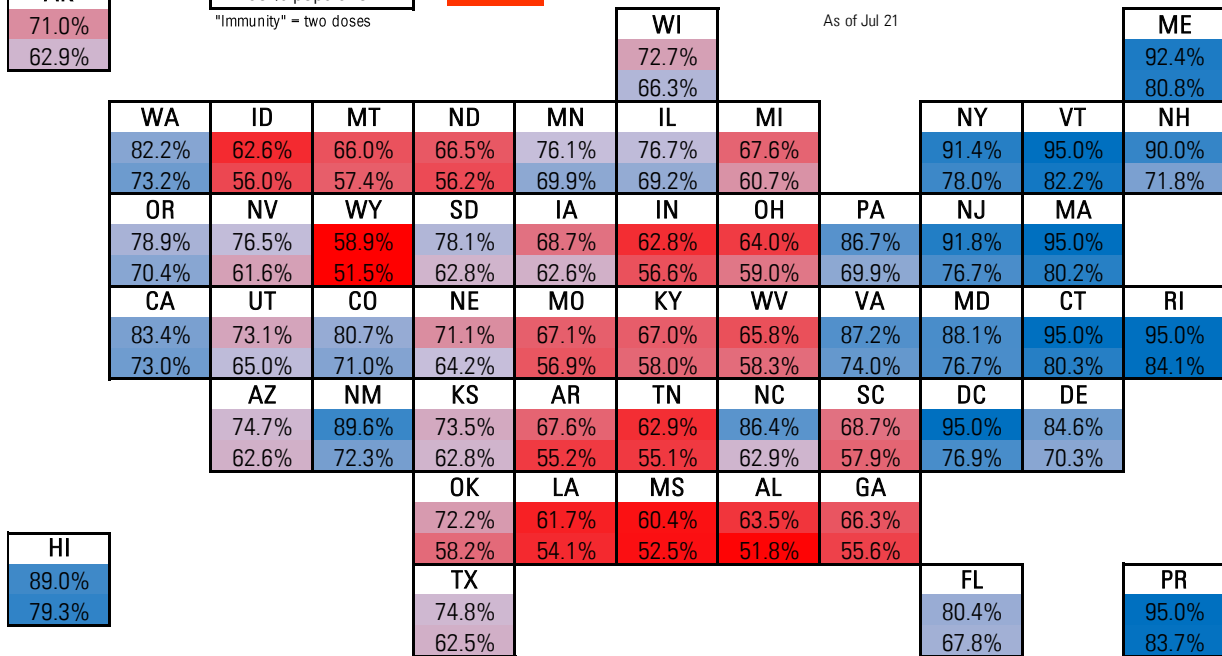
Administered	Cumulative		Today	Immunity	Full	Partial		
Doses	616,635,212		+0.323 million	US	67.2%	78.7%		
of which boosters	109,477,330		+0.068 million	UK	74.8%	79.8%		
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.8%
Total population	269,233,447	81%	229,268,362	69%	+0.041 million	Spain	85.5%	86.9%
Age 12 to 17	18,017,753	71%	15,409,473	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,243,678	89%	152,968,762	75%	+0.022 million	Italy	81.0%	85.8%
Age 65 and over	59,543,060	100%	52,083,438	95%	+0.009 million	Australia	83.8%	86.3%
						Israel	66.2%	72.3%
						Canada	82.5%	86.0%
						Japan	82.2%	83.3%
						Africa	20.3%	25.9%
						India	65.9%	72.4%
						Brazil	79.2%	86.3%
						China	88.7%	91.0%



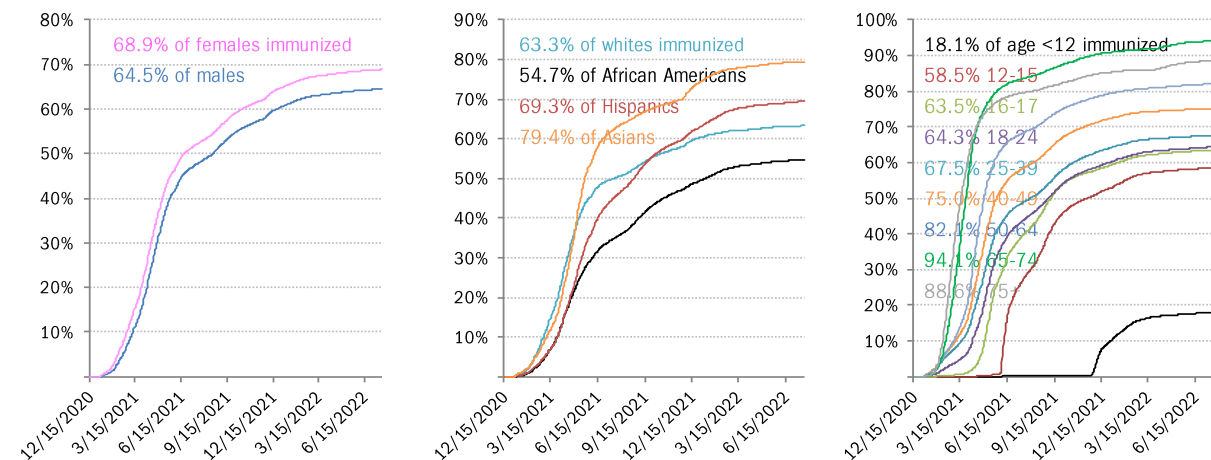
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

Immunity = two doses

Global data differs due to sources, timing



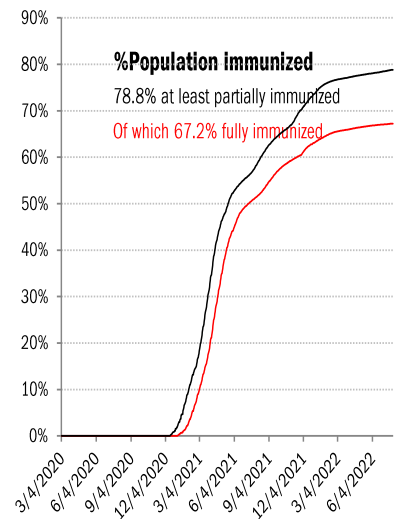
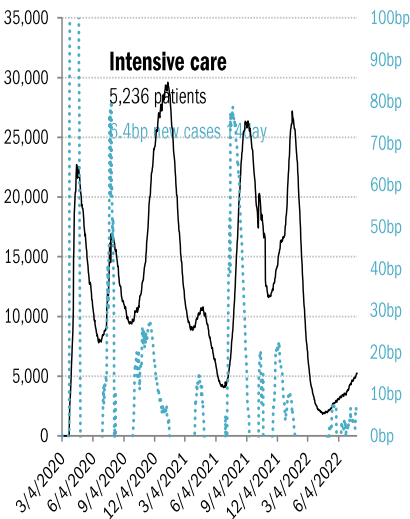
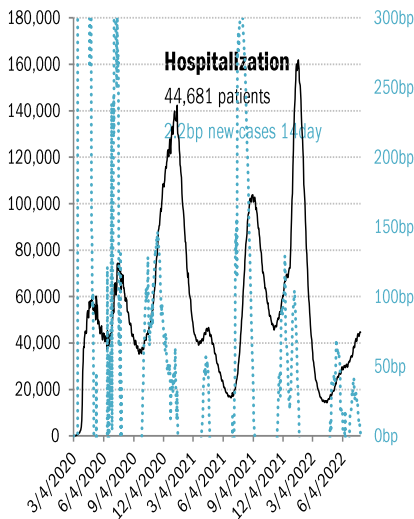
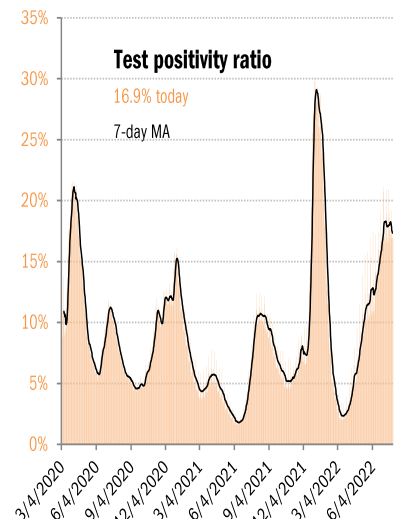
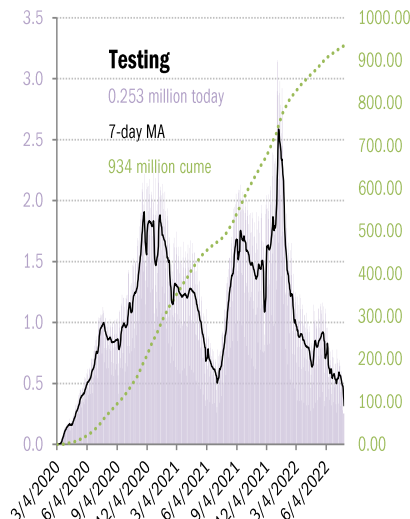
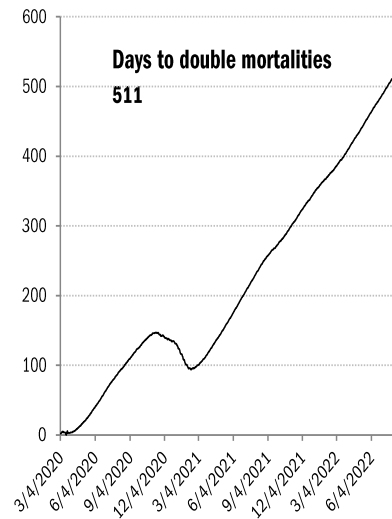
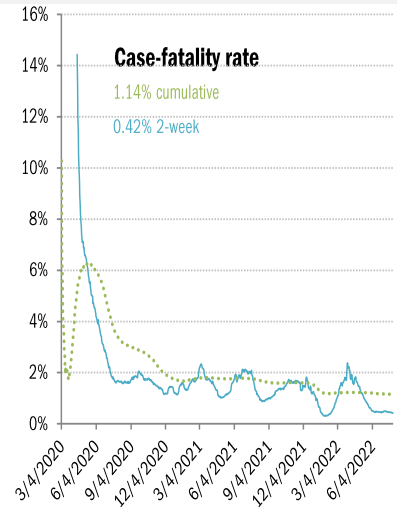
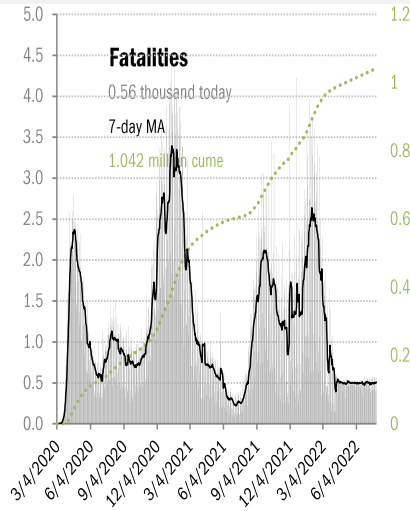
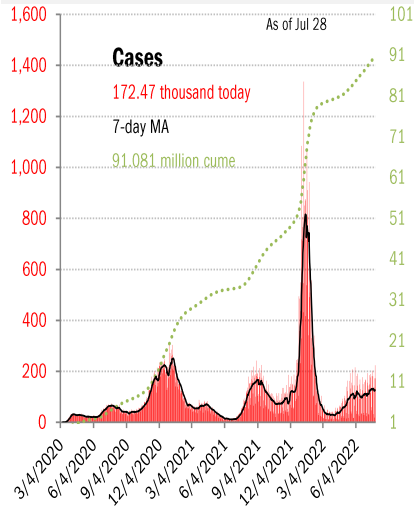
The demographics of US vaccination



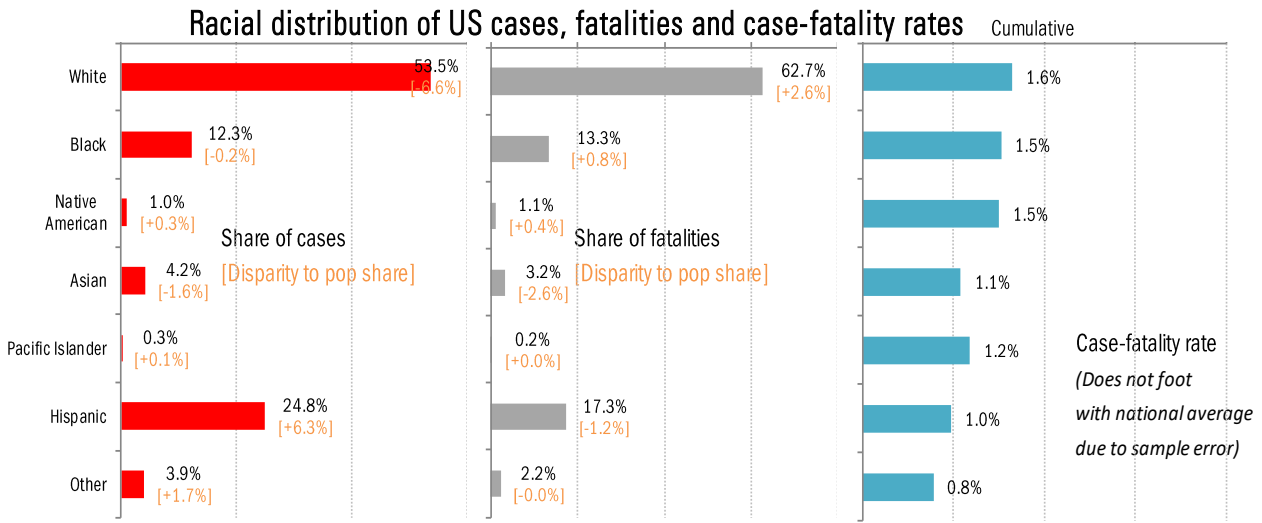
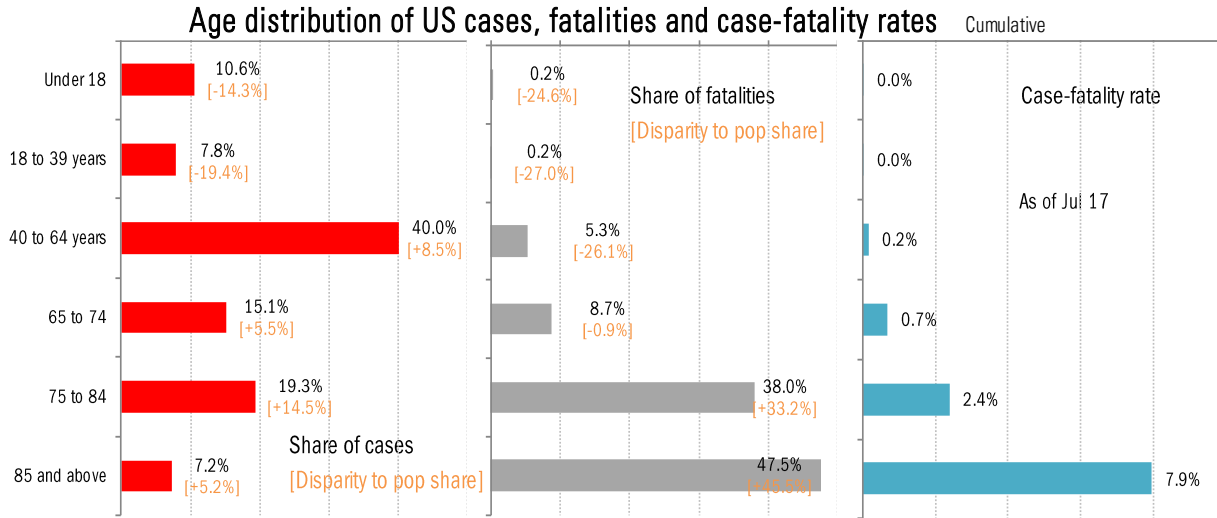
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

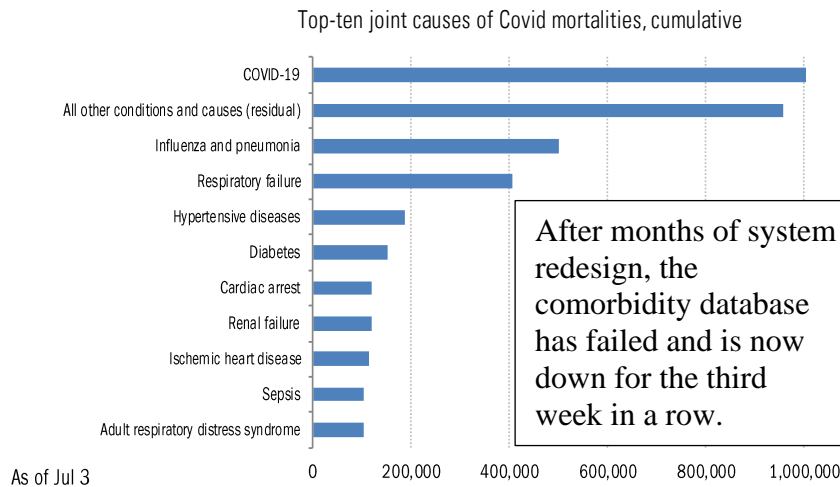
National and state-by-state data do not line up because of different sources



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



Comorbidities



After months of system redesign, the comorbidity database has failed and is now down for the third week in a row.

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

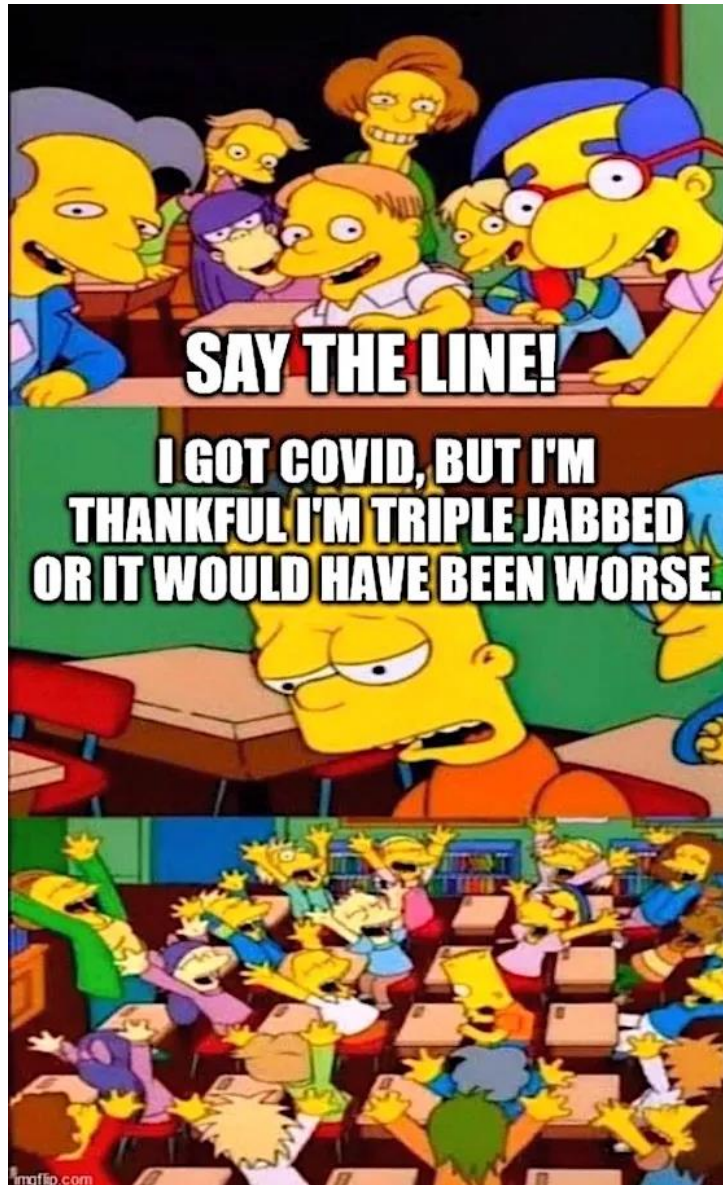
[Covid-19 vaccinations and all-cause mortality -a long-term differential analysis among municipalities](#)

André Redert
Research Gate
July 2022

[URGENT: New paper suggests Covid mRNA vaccination rates are linked to increases in overall deaths](#)

Alex Berenson
Unreported Truths
July 28, 2022

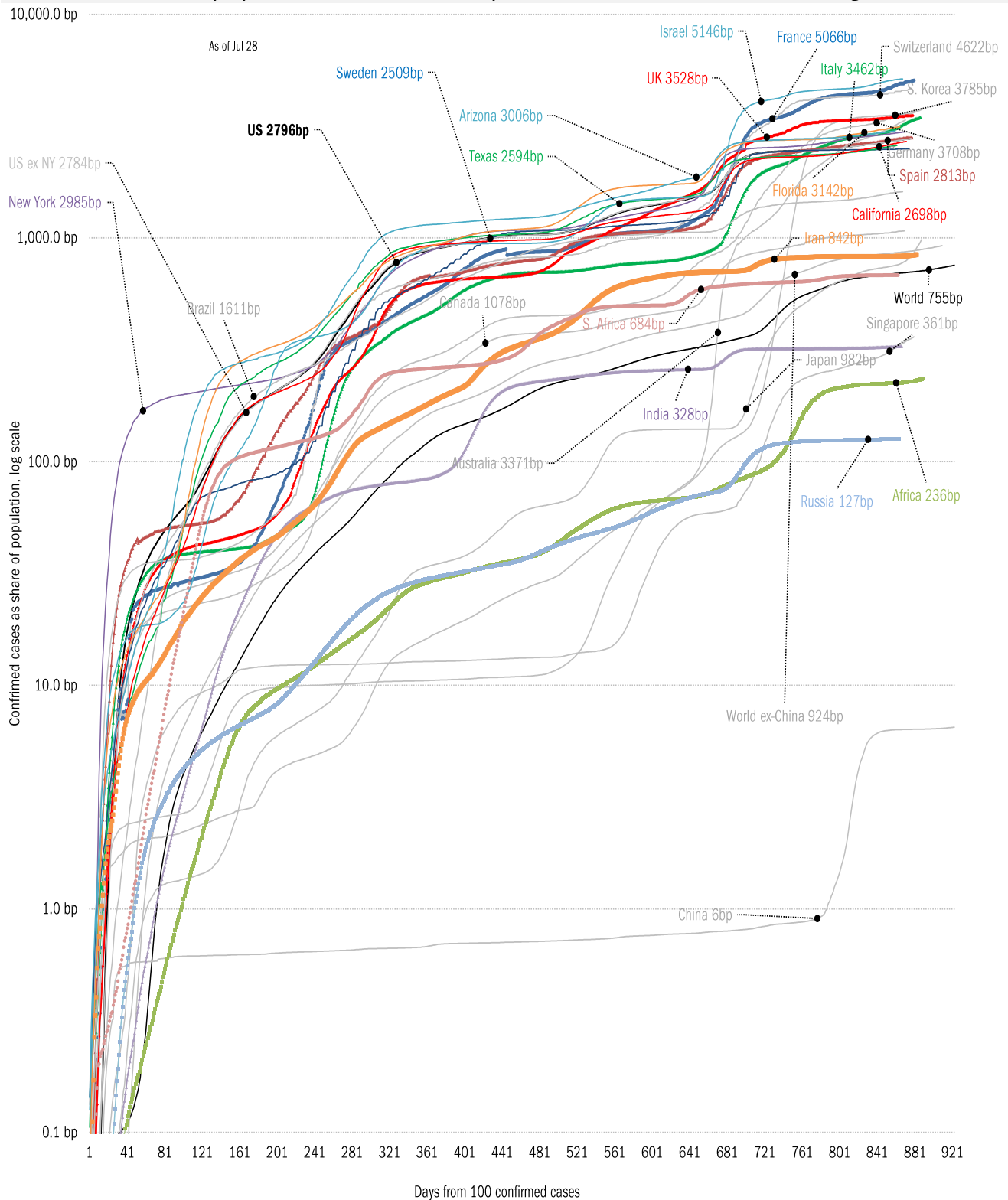
Meme of the day



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

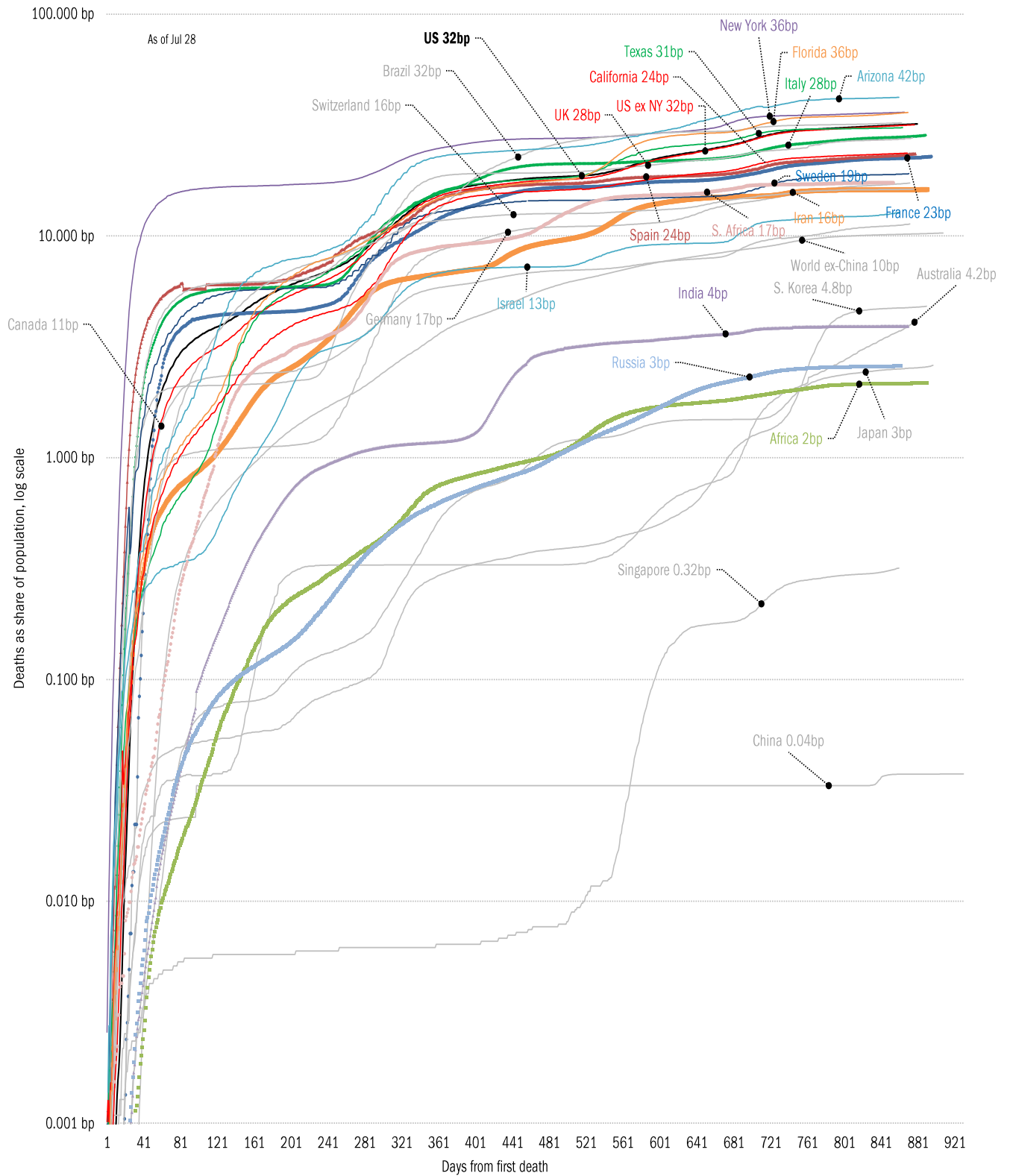
The global coronavirus case accelerometer... tracking the world's infection curves

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

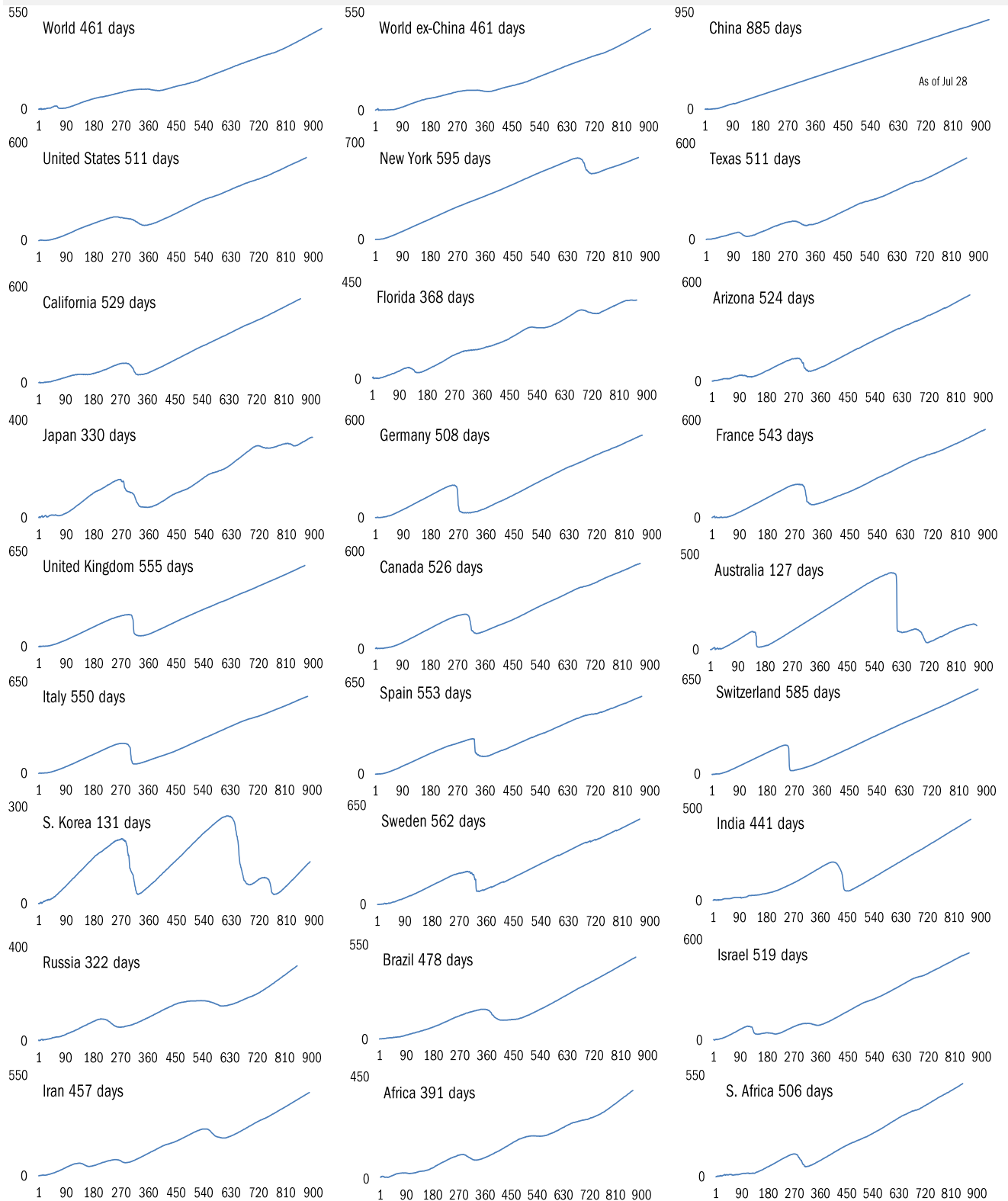


Source: [Johns Hopkins](#), TrendMacro calculations

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

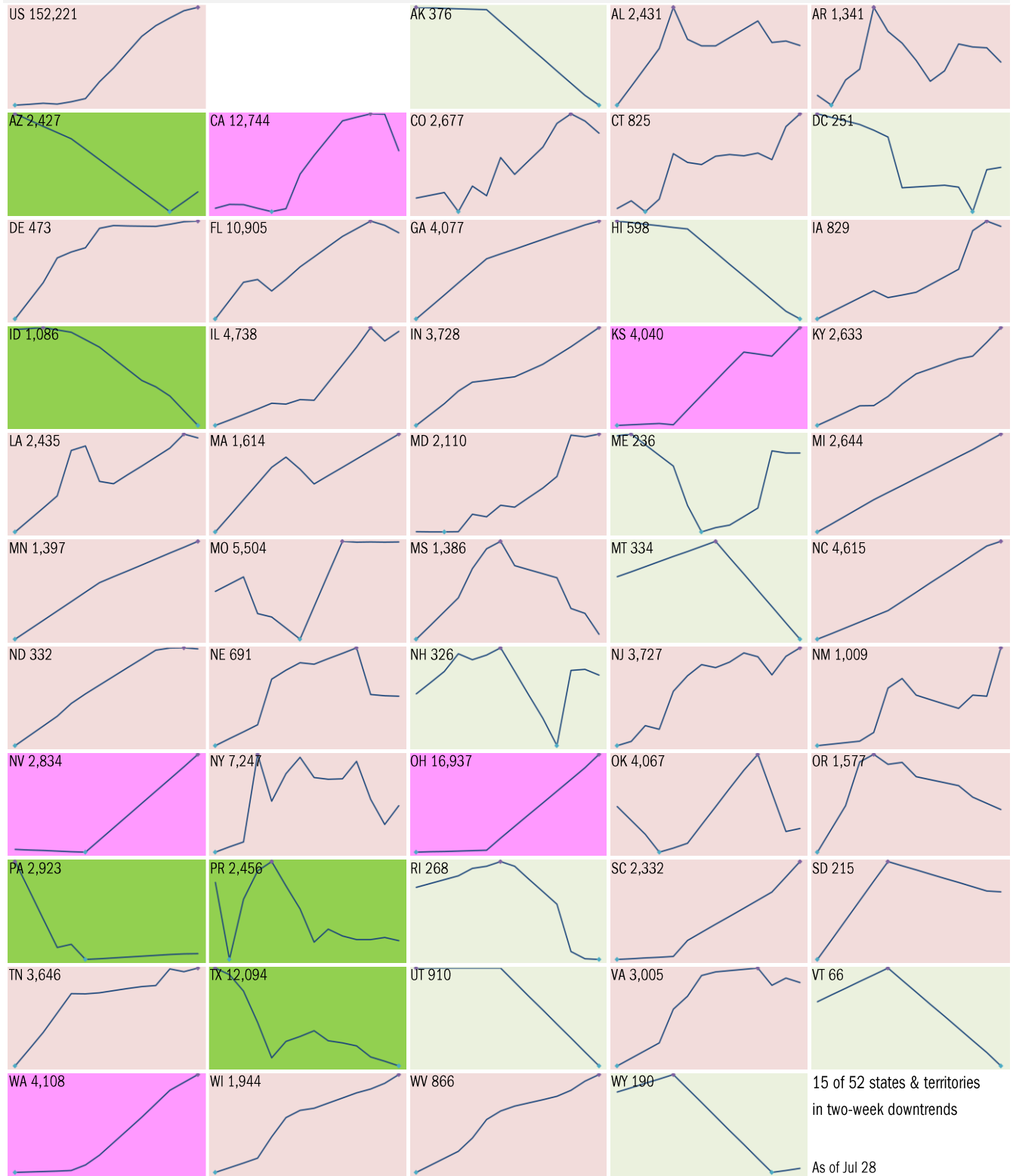


Source: [Johns Hopkins](#), TrendMacro calculations

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

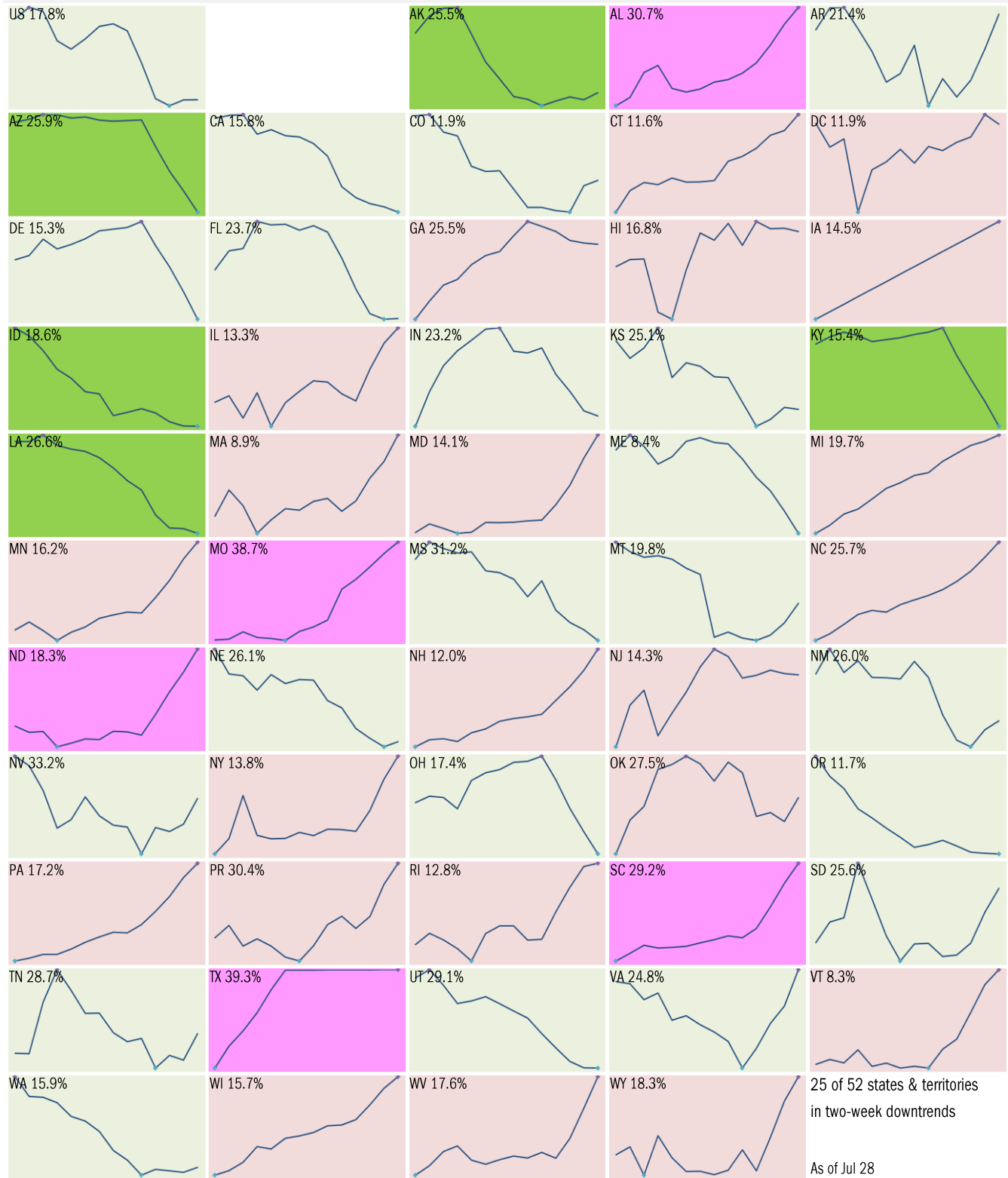


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

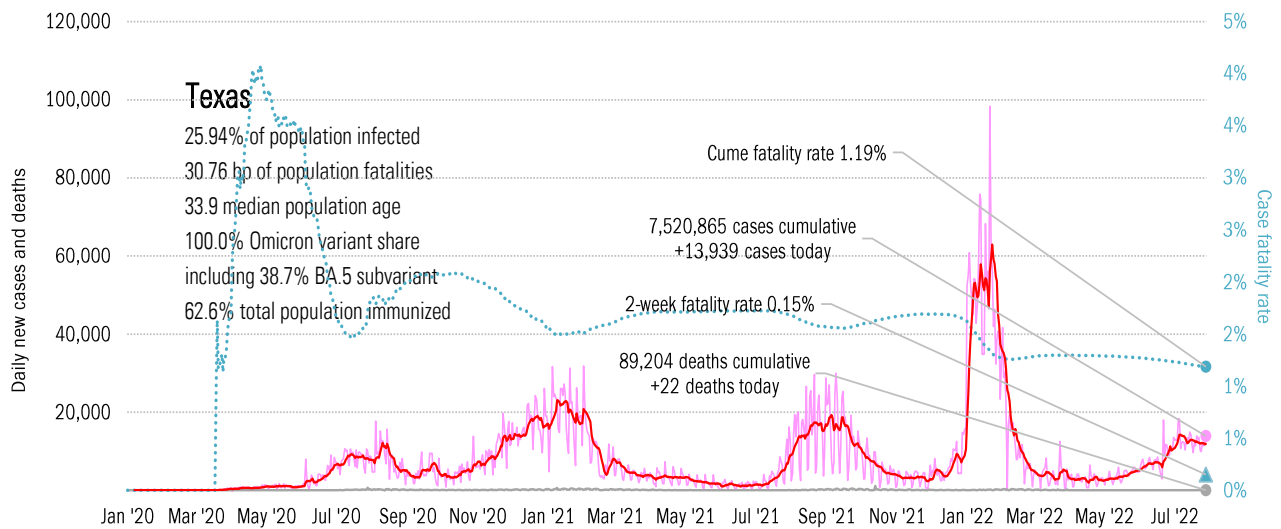
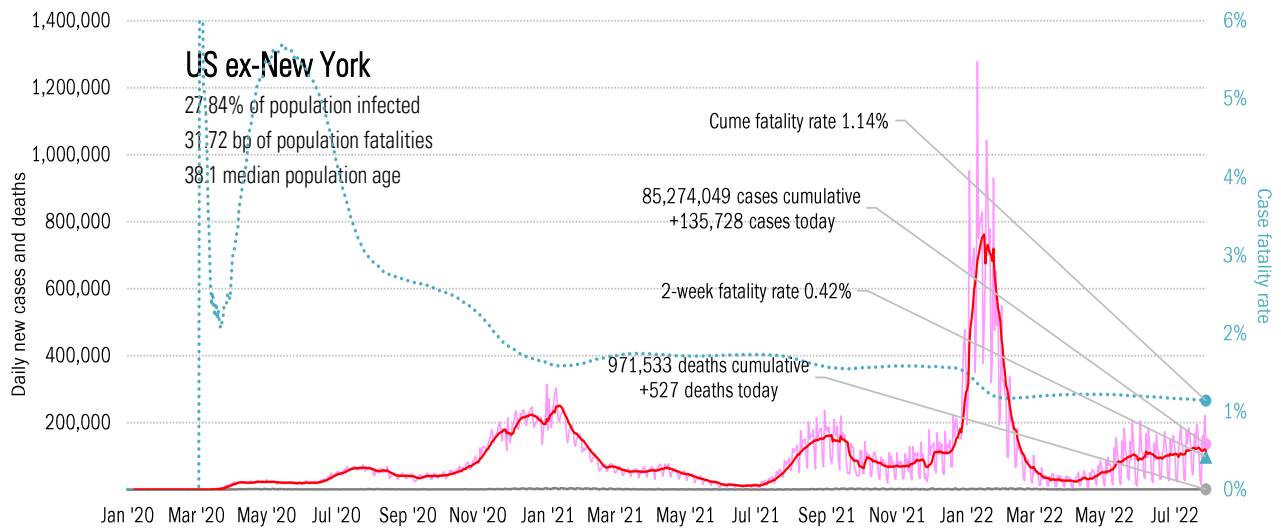
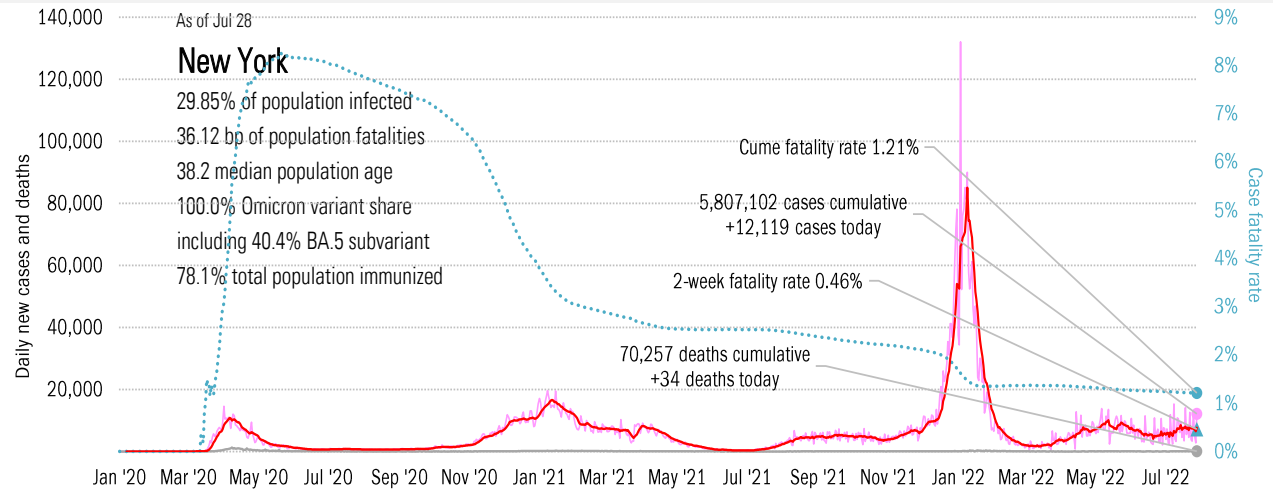
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

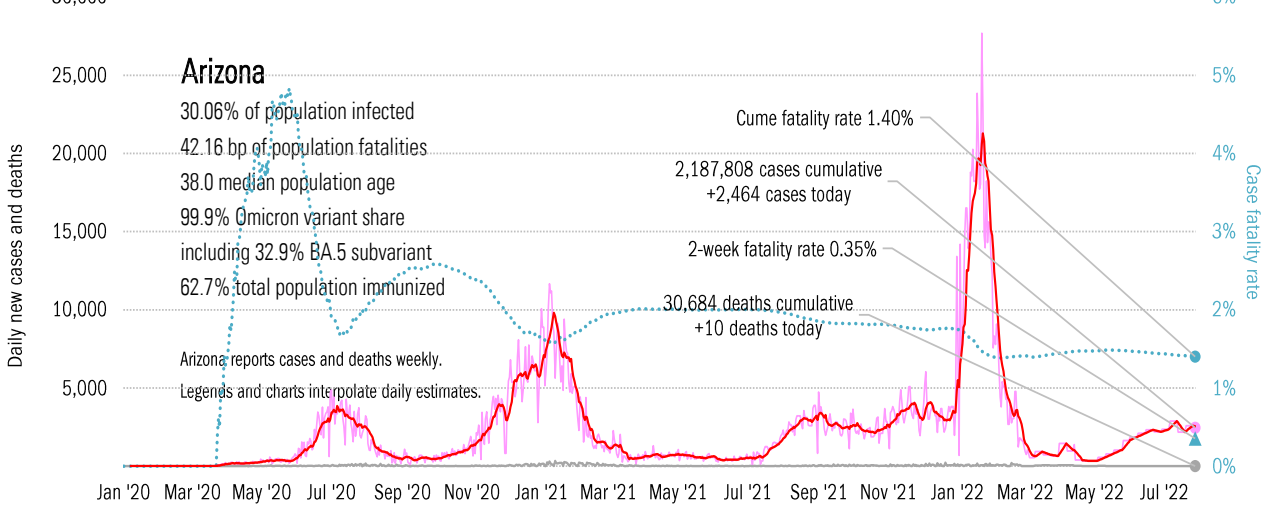
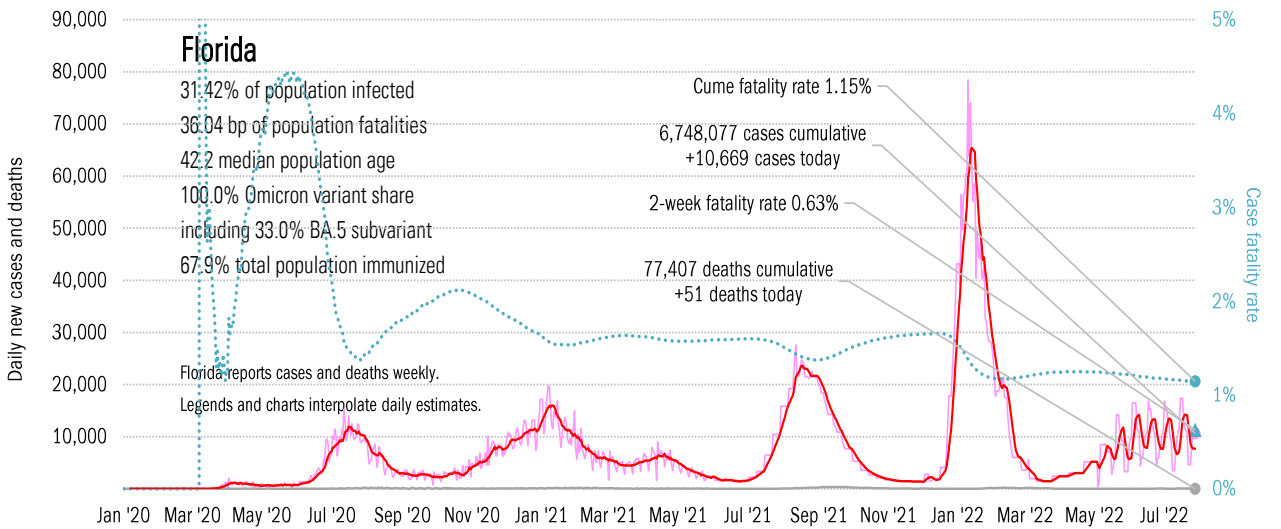
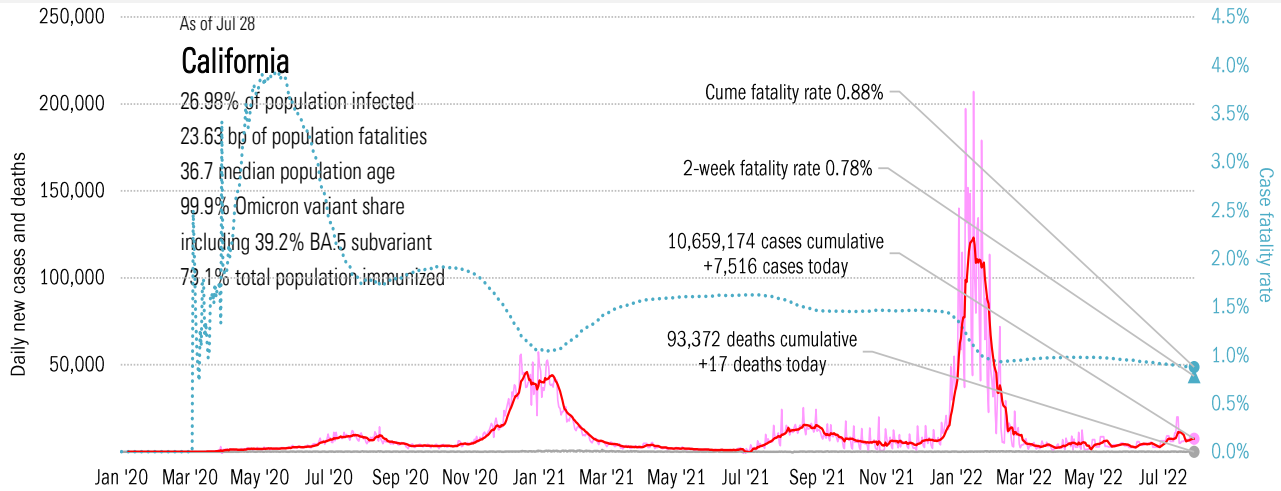
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

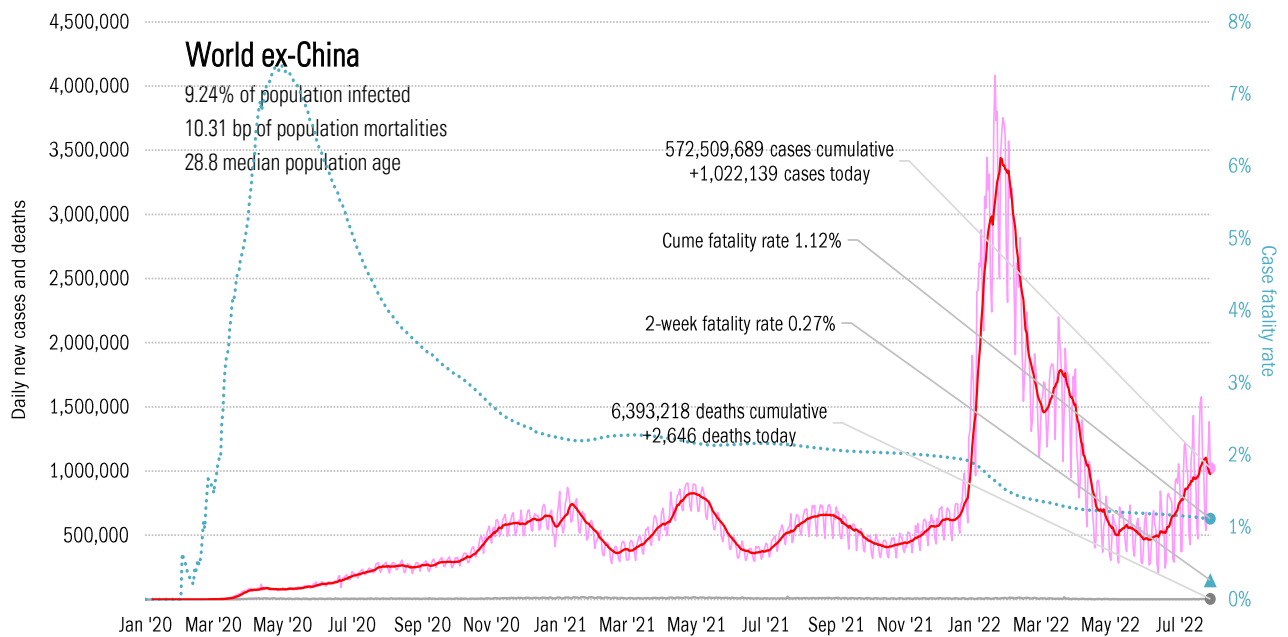
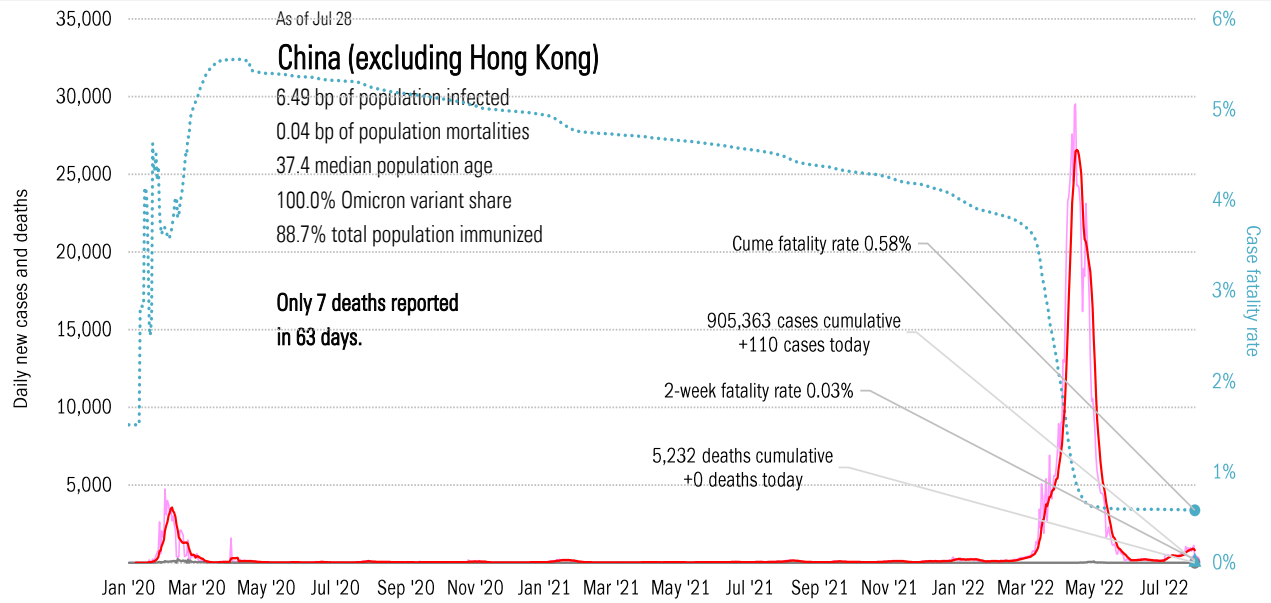
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

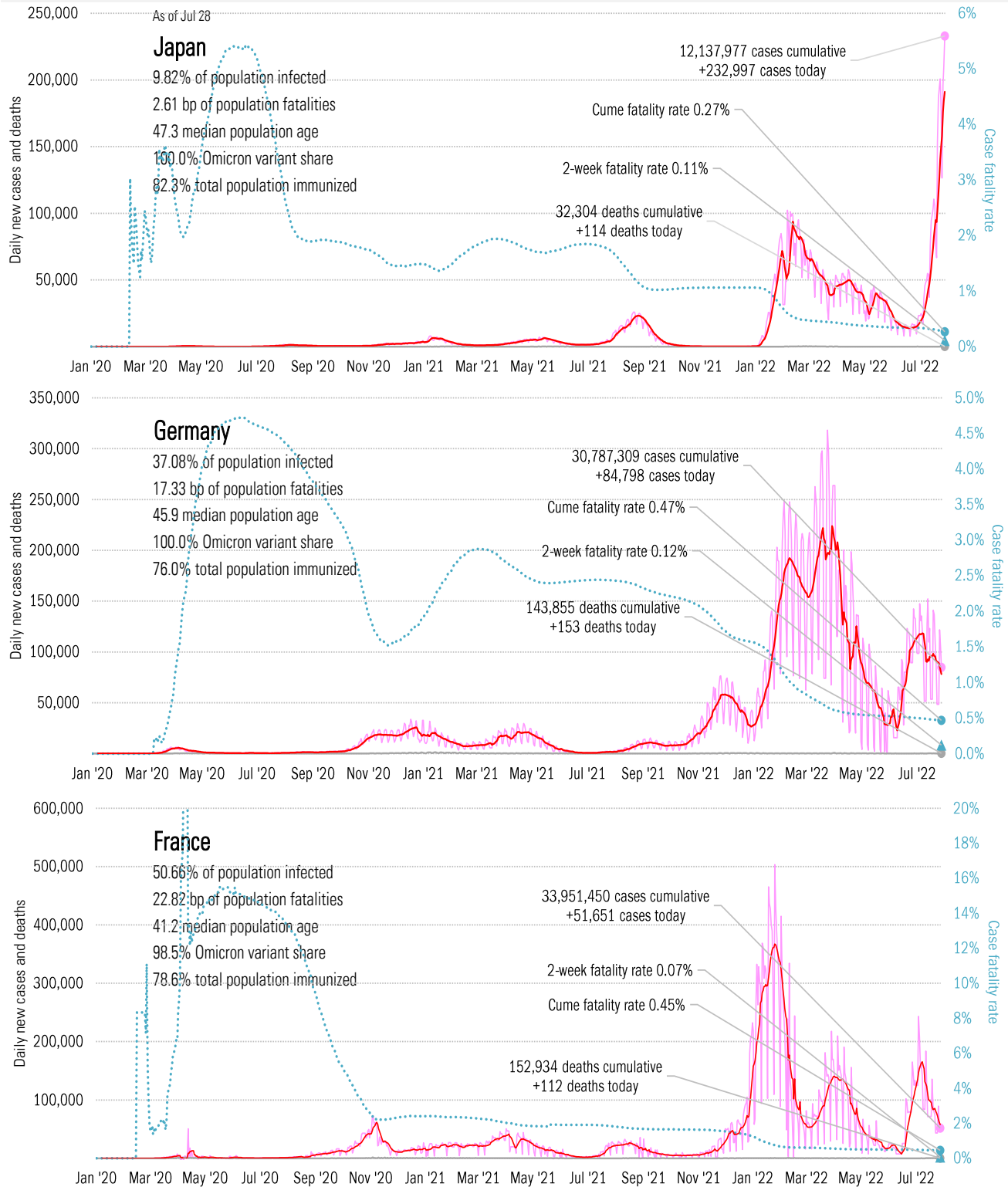
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

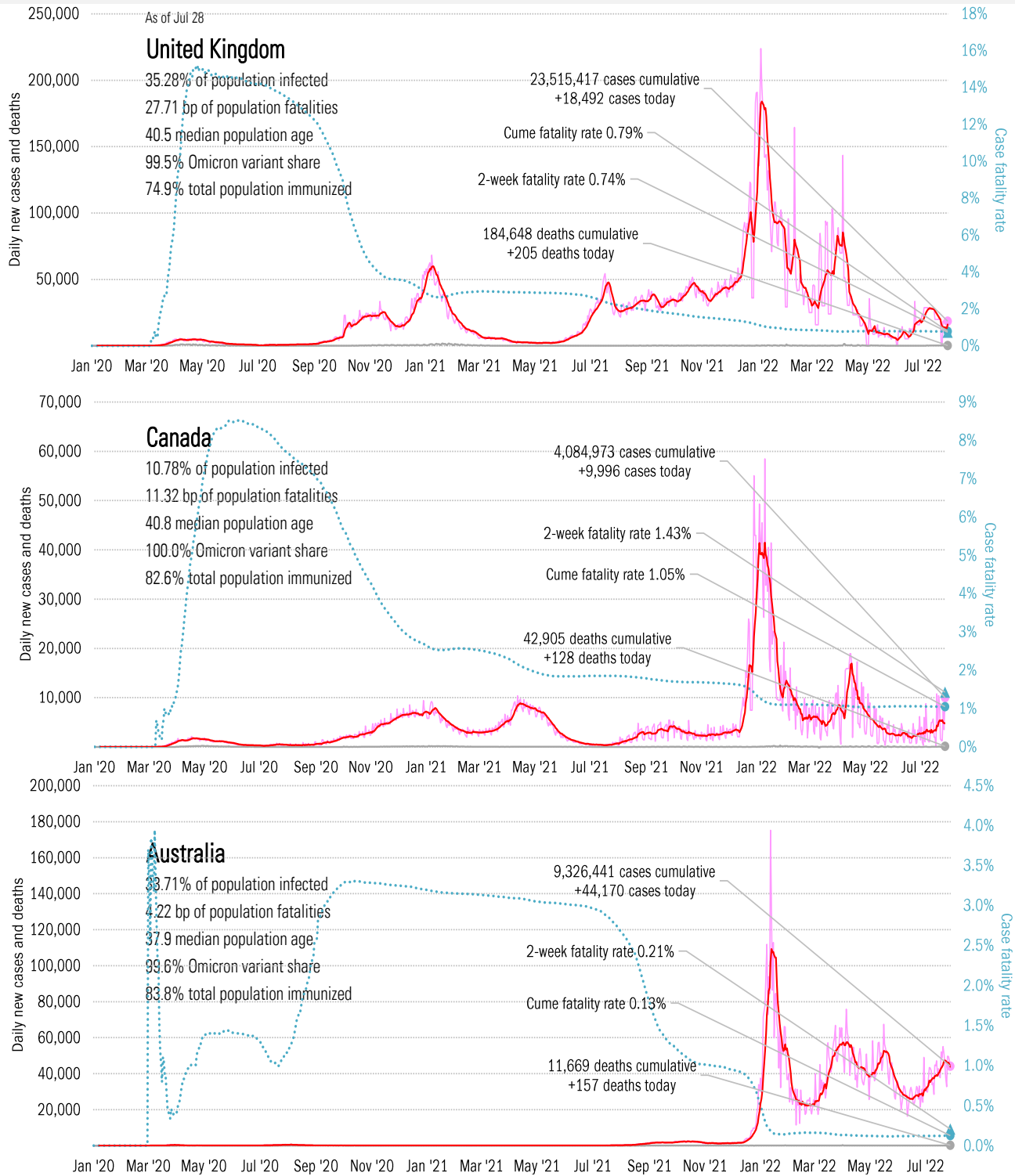
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

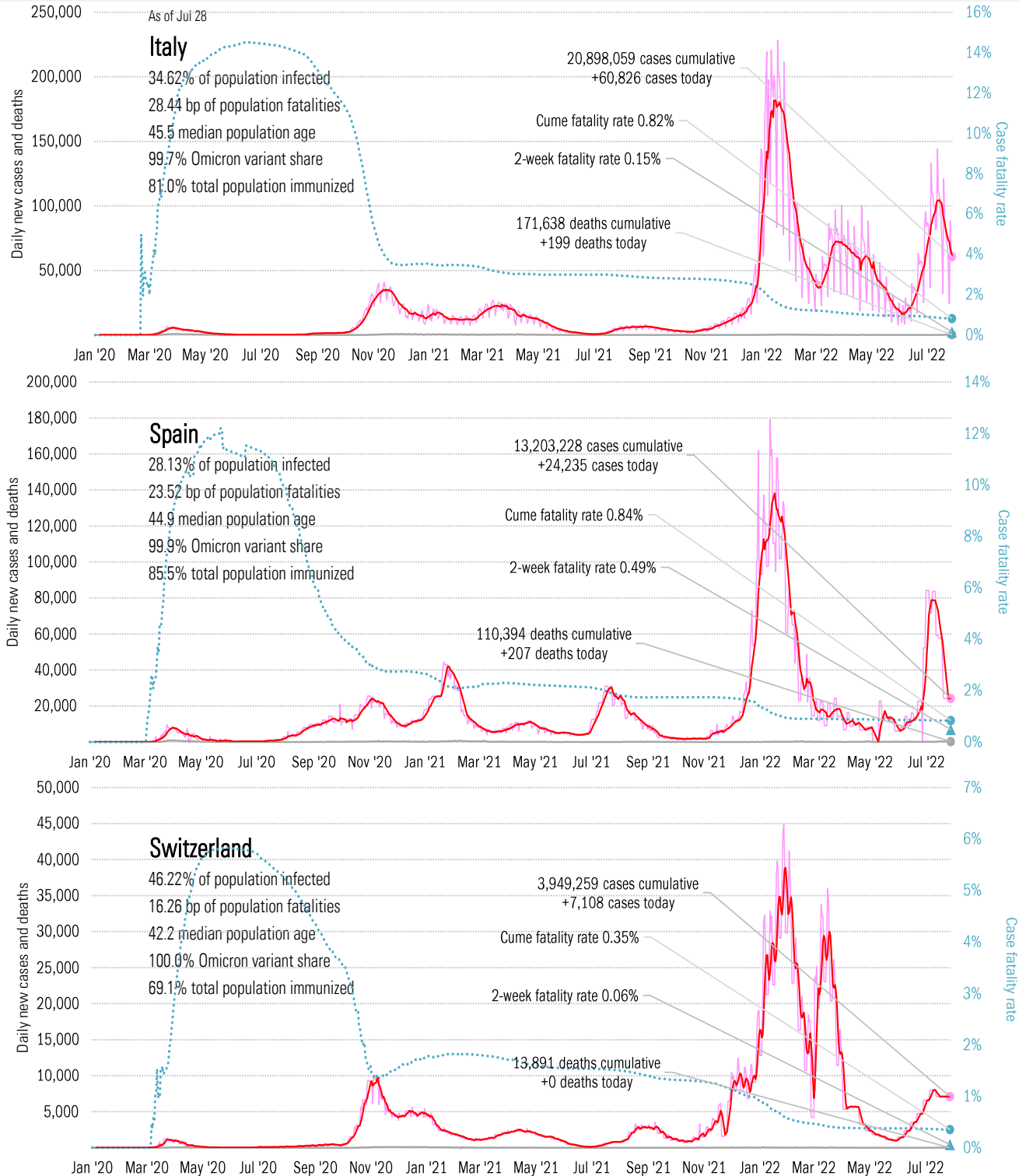
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

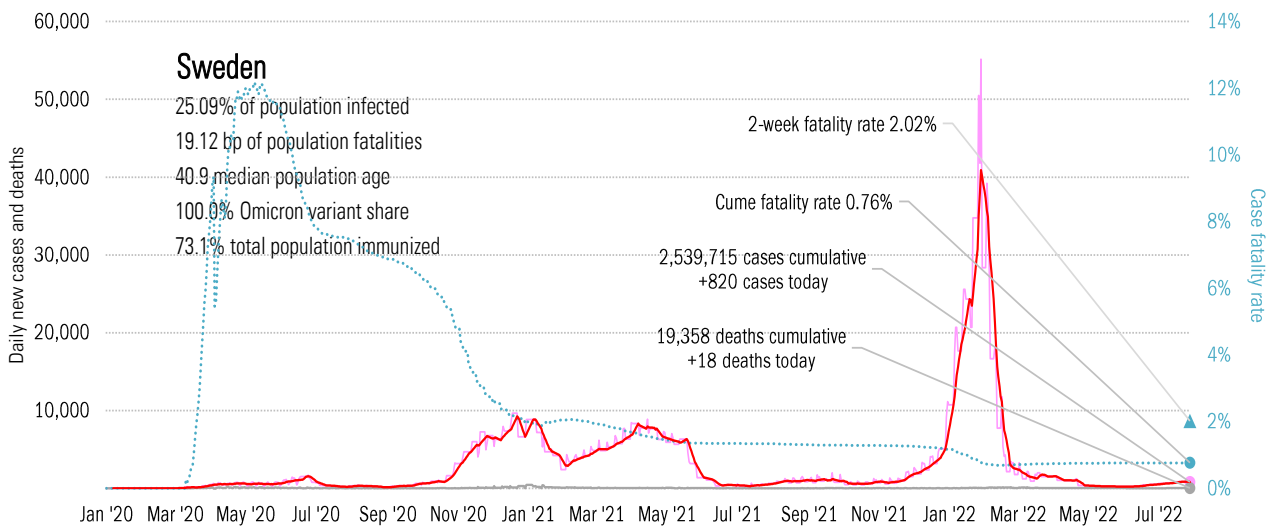
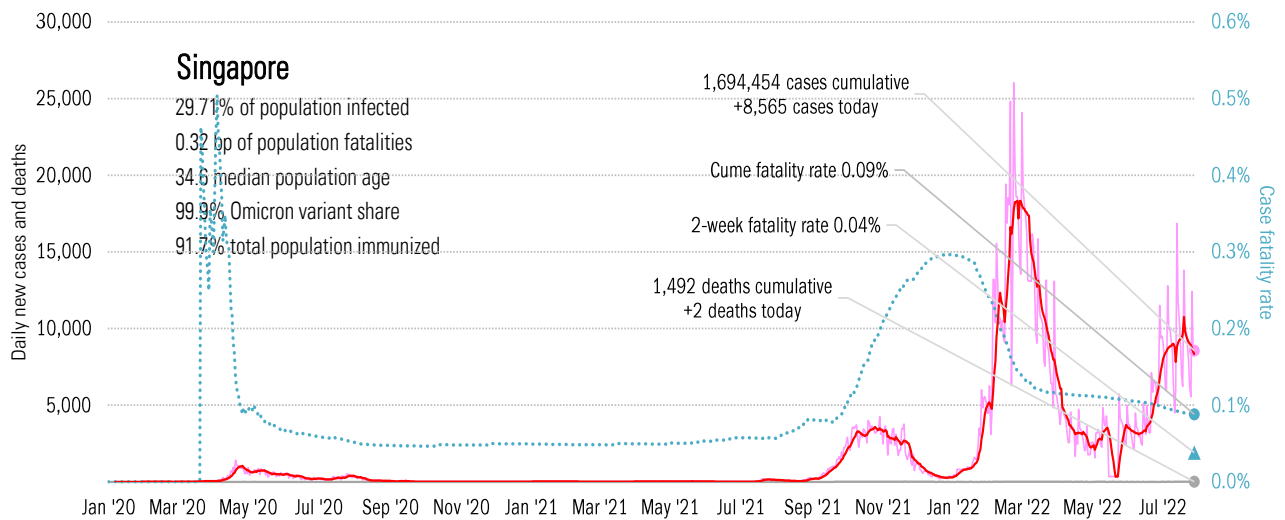
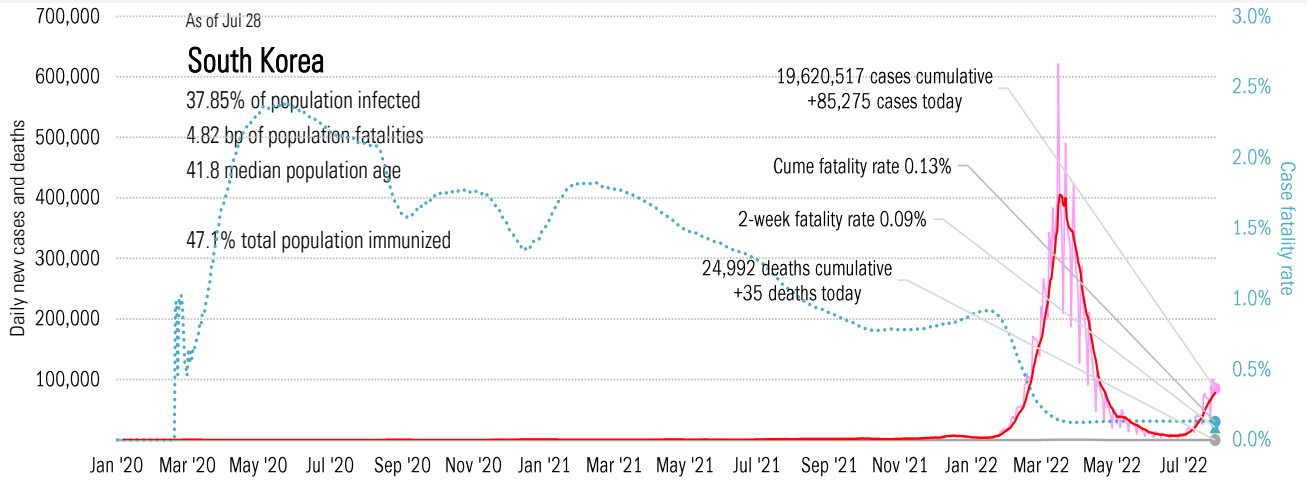
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

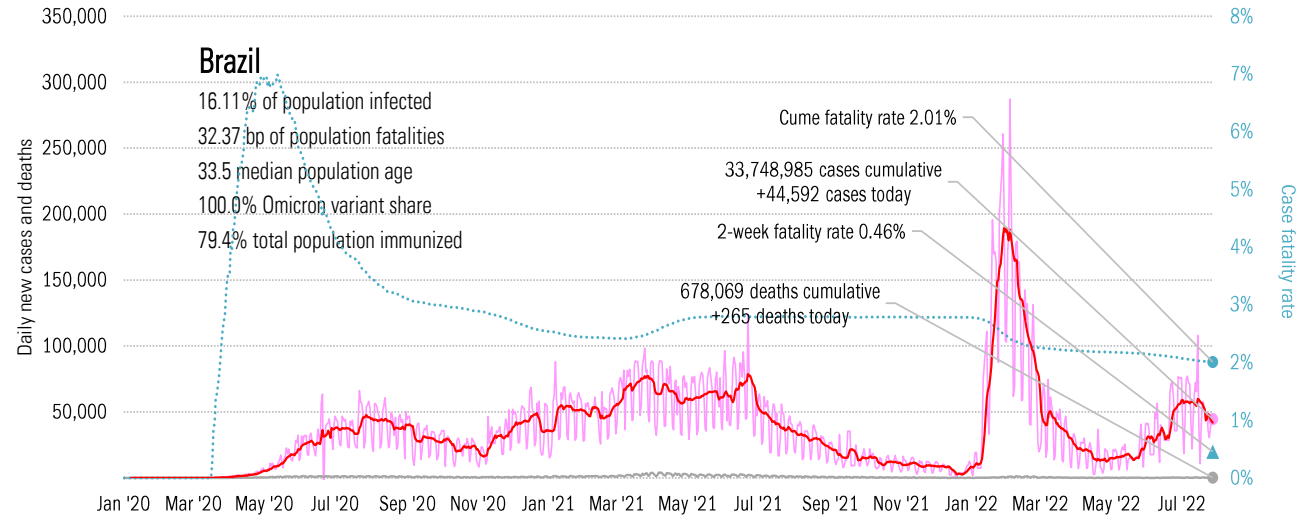
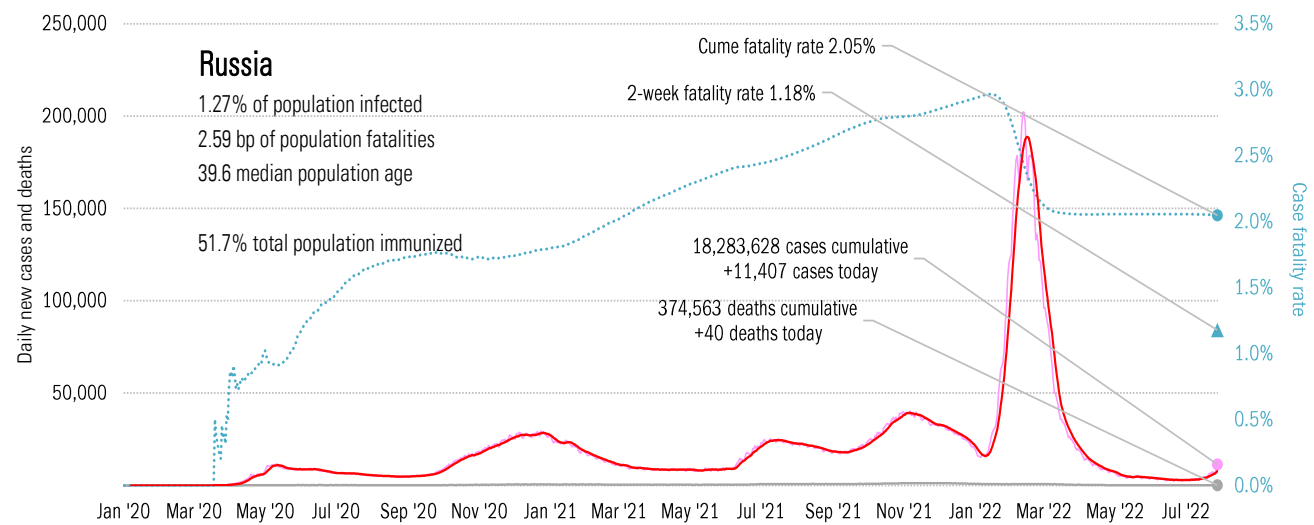
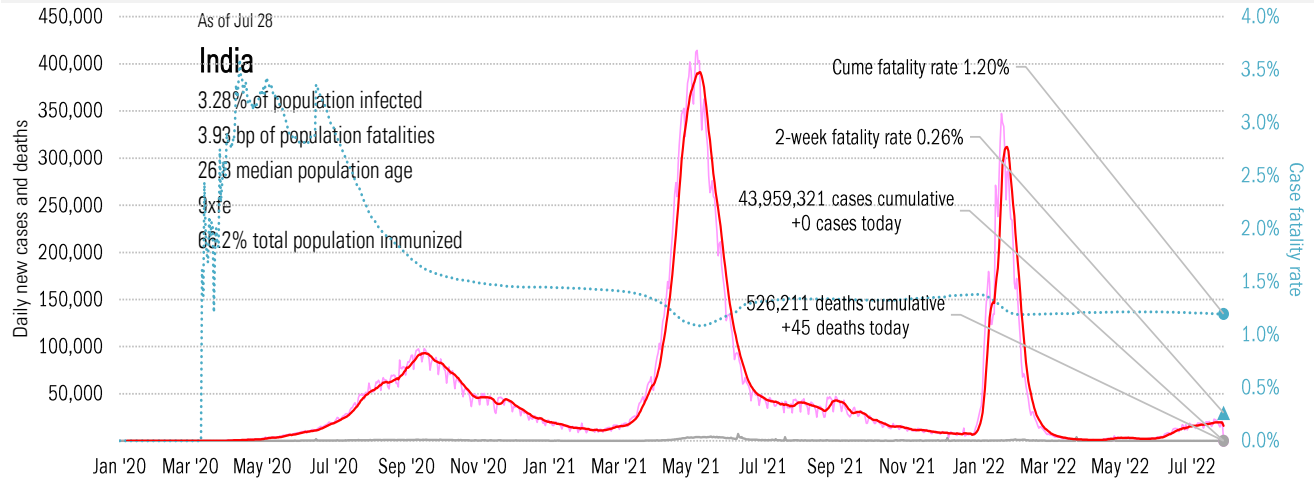
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

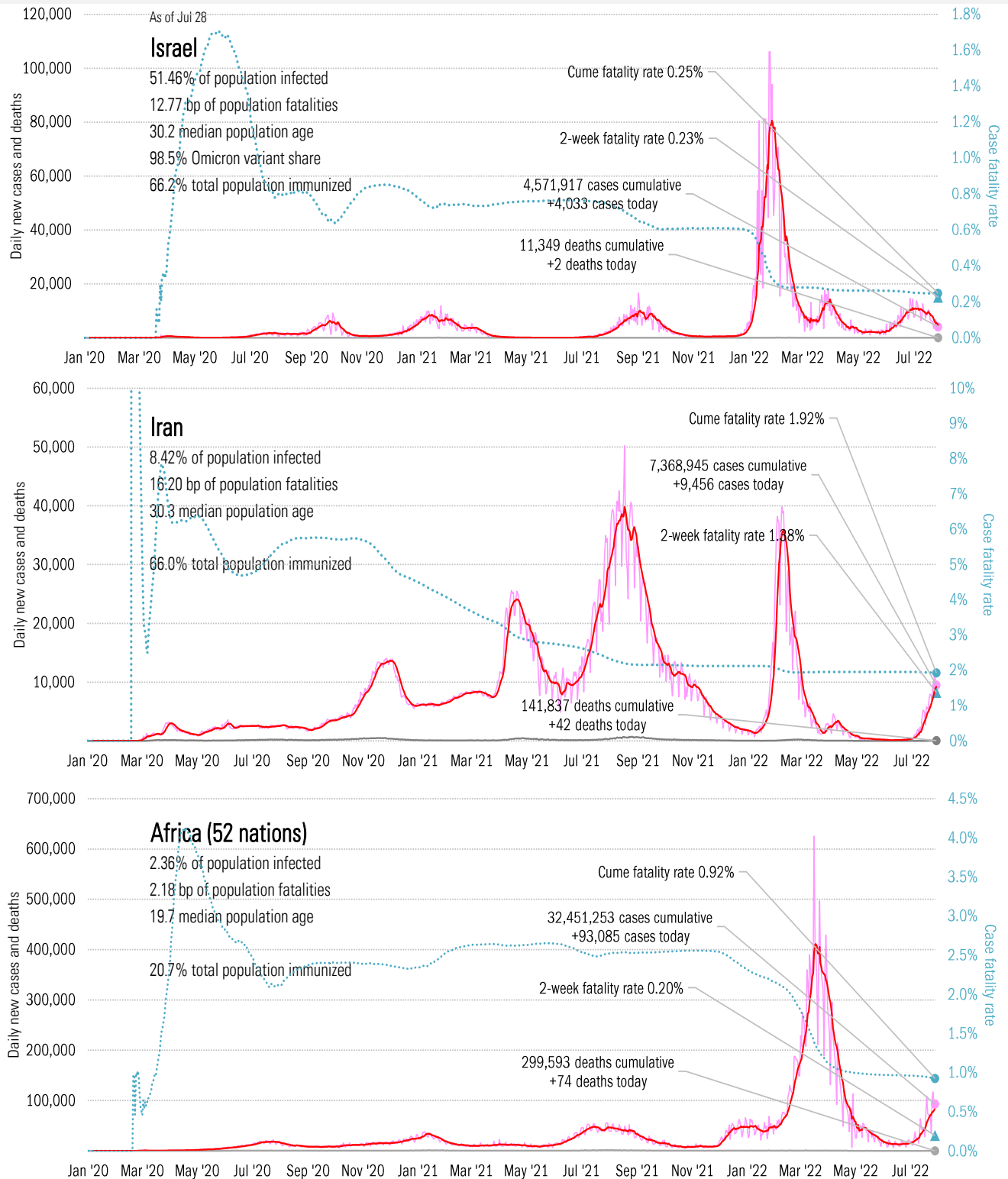
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

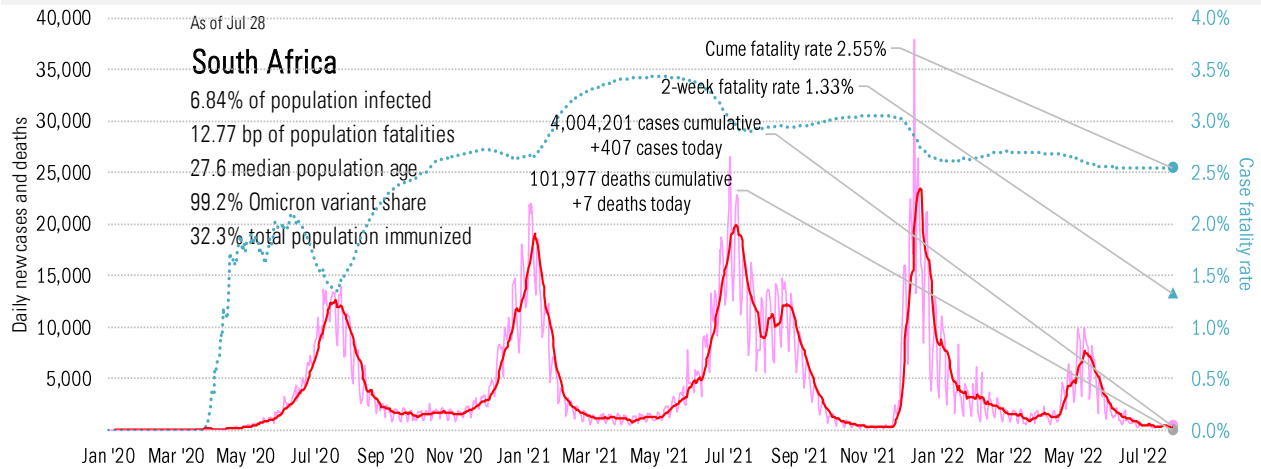
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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