

Data Insights: Covid-2019 Monitor

Monday, July 25, 2022

The global scorecard

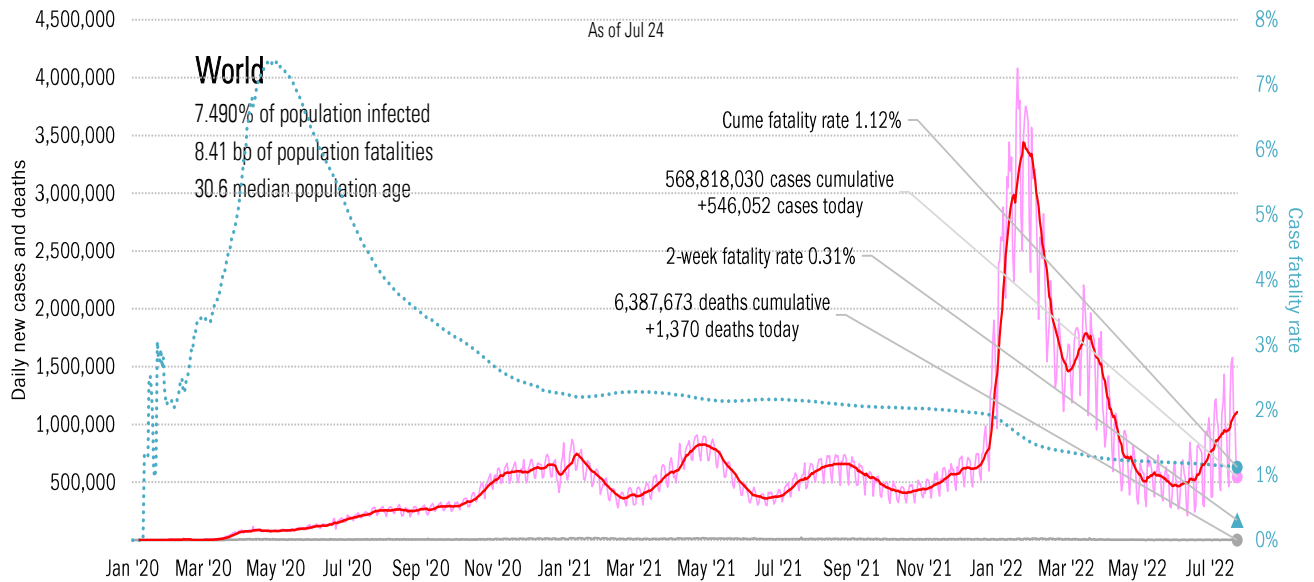
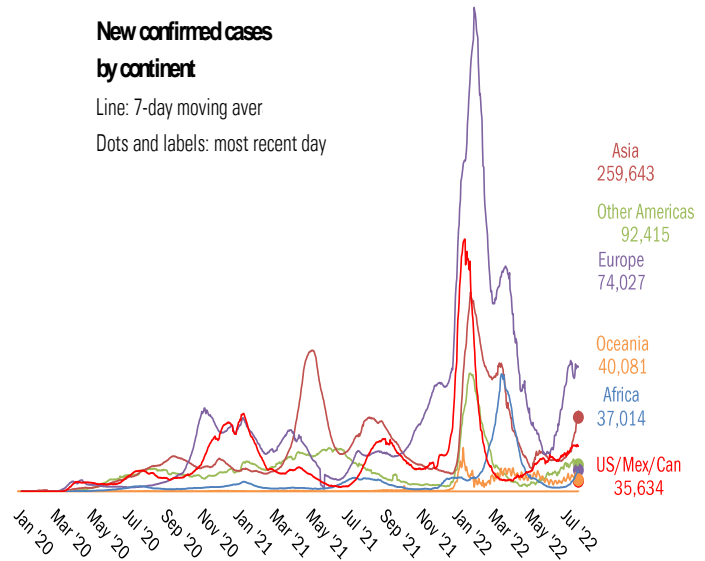
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	213,603	United States	572
Japan	176,492	Brazil	198
Italy	51,875	Italy	77
Argentina	41,735	Argentina	76
Korea, South	35,883	Taiwan*	65
Brazil	35,830	India	41
Australia	32,789	Russia	37
Taiwan*	21,726	Iran	34
India	16,866	Peru	30
Peru	9,324	Chile	29
636,123		1,159	
World	546,052	World	1,370
Top ten	116%	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

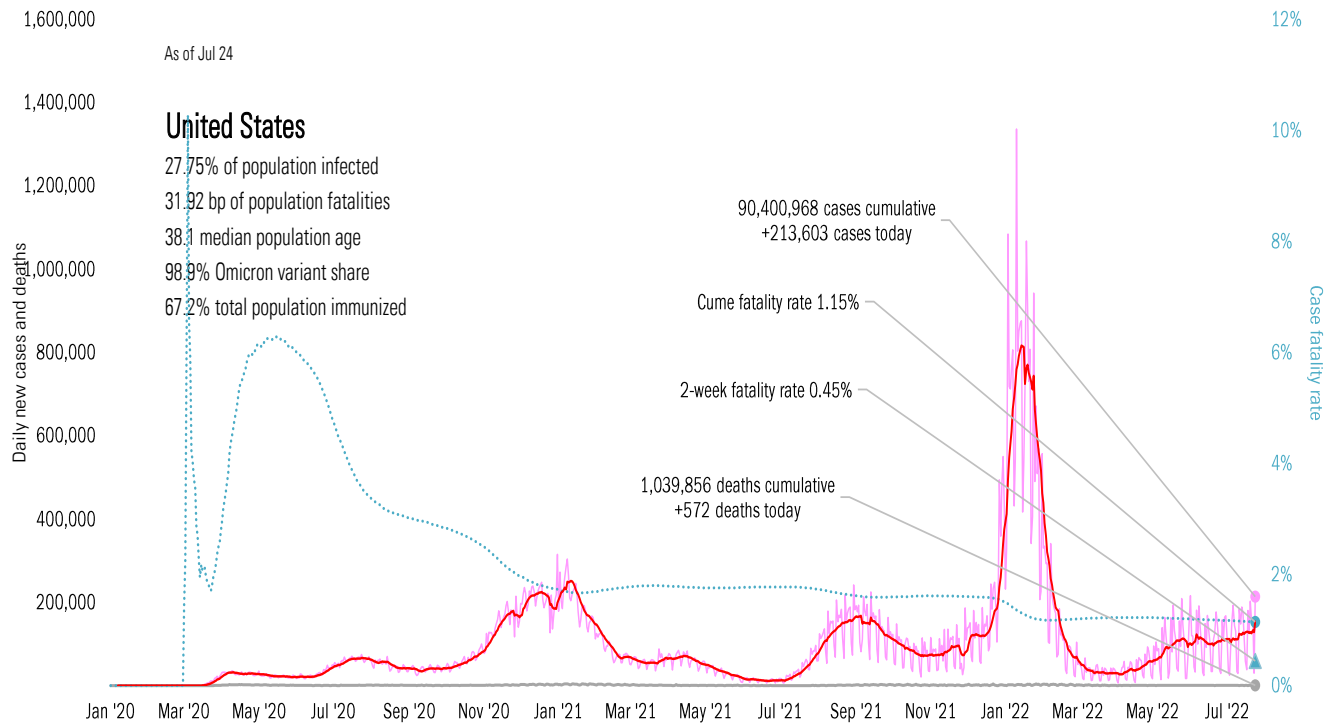
The ten worst US states

New cases			New deaths		New in hospital		Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	56,207		US state fatality data distorted today due to revisions.		TX	669	CA	10,580,256	CA	93,209	TX	517,892	RI	90%	RI	87%			
CH	26,610			GA	302	TX	7,471,263	TX	89,117	CA	466,661	MA	87%	TX	84%				
MO	11,648			CH	244	FL	6,708,176	FL	77,164	FL	460,142	MN	87%	VT	84%				
MA	11,525			FL	720	NY	5,773,709	NY	70,096	NY	278,947	GA	85%	WA	84%				
TX	9,943			PA	206	IL	3,528,282	PA	46,047	GA	214,755	WA	84%	AK	84%				
MN	9,500			CA	735	PA	3,058,316	CH	38,981	CH	204,360	MO	84%	AL	83%				
KS	7,444			IN	136	NC	2,949,198	GA	38,933	PA	191,113	WV	82%	MA	82%				
WA	5,934			VI	106	CH	2,918,366	IL	38,812	IL	173,645	MD	82%	NC	82%				
IL	5,276			NY	331	GA	2,721,391	MI	37,291	MI	152,674	DE	81%	MN	82%				
FL	4,647			IL	224	MI	2,652,659	NJ	34,218	KY	138,208	DC	81%	DC	80%				
148,734			86	3,673	48,361,616			563,868	2,798,397	All states 70%		67%							
All states 213,603			572	6,452	All states 90,400,968			1,039,856	5,079,548	All states 70%		67%							
Top ten 70%			15%	57%	Top ten 53%			55%	55%	Median 76%		73%							

Some states not reporting

Five most improved US states

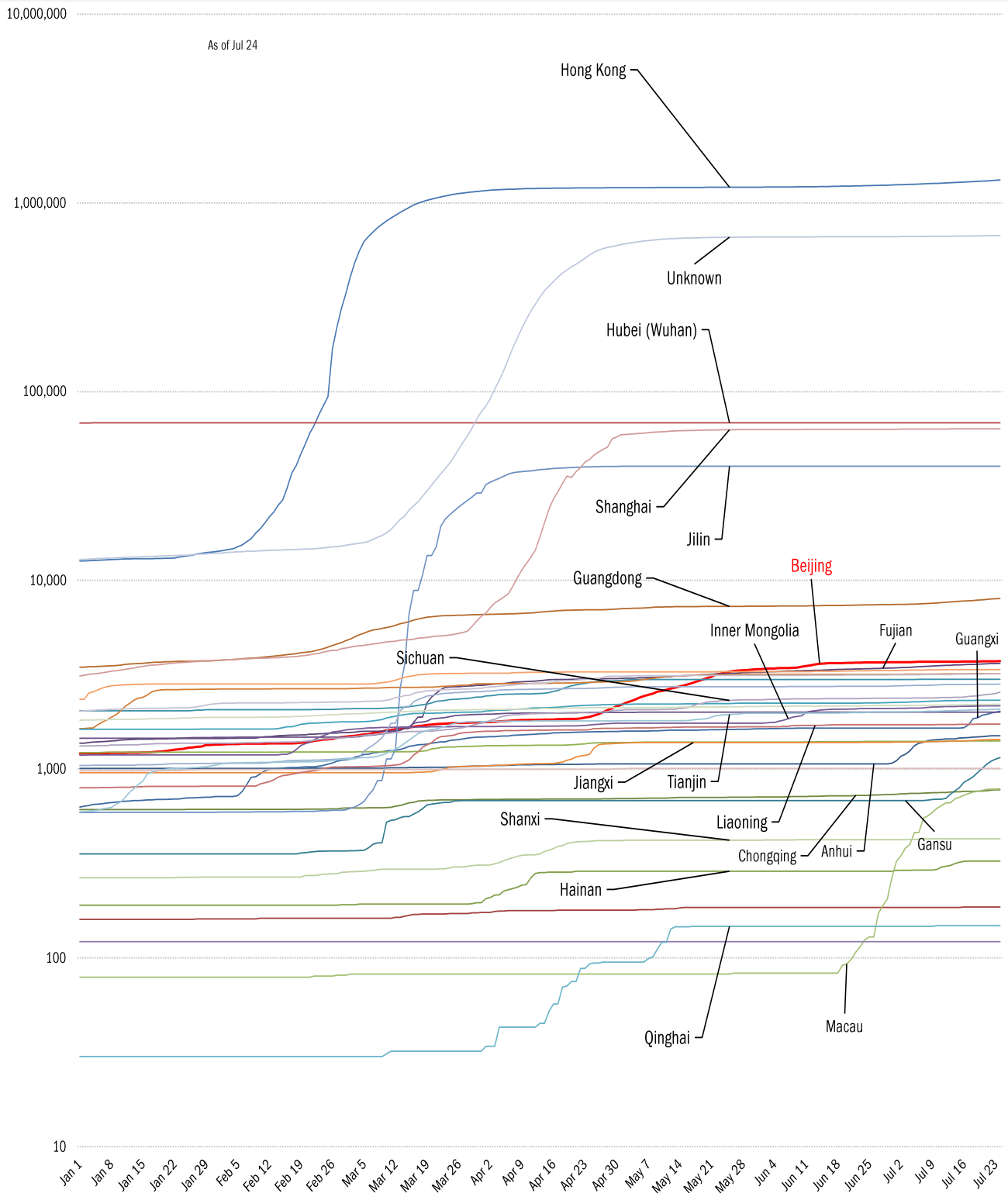
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TN	-3,422	TX	-19	TN	-30
SC	-1,988	NJ	-10	MI	-27
NJ	-607	AR	-7	KY	-21
NY	-497	PR	-3	AR	-19
CT	-374	ME	-1	AZ	-17



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

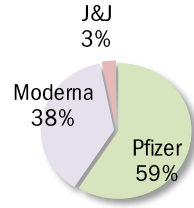
Rolling out the vaccines in the US and the world

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
Total population	269,233,447	81%	229,268,362	69%	+0.041 million
Age 12 to 17	18,017,753	71%	15,409,473	61%	+0.003 million
Age 18 to 64	180,243,678	89%	152,968,762	75%	+0.022 million
Age 65 and over	59,543,060	100%	52,083,438	95%	+0.009 million

France	78.6%	80.8%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
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%

Global data differs due to sources, timing



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

Immunity = two doses

AK	71.0%
	62.9%

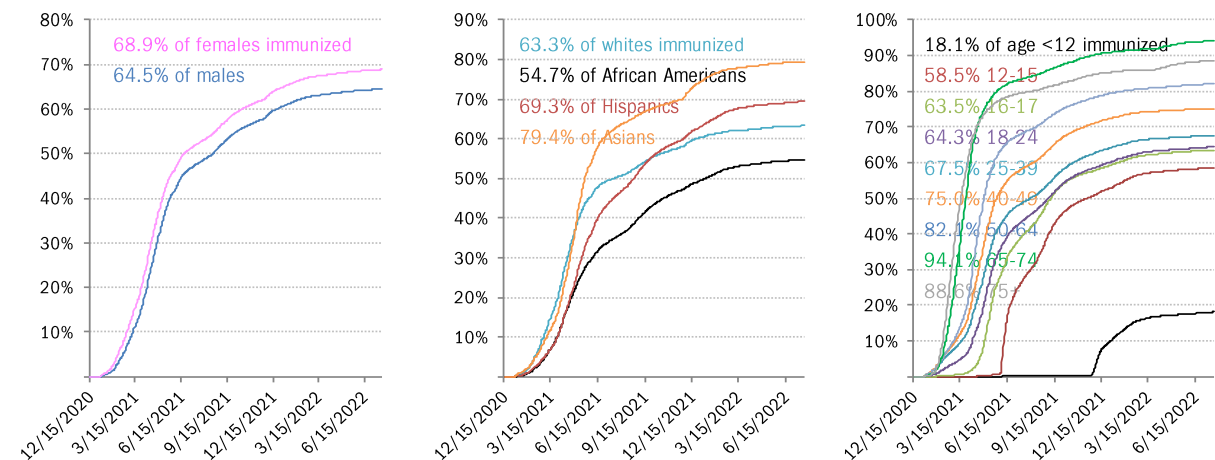
WI	72.7%
	66.3%

As of Jul 21

ME	92.4%
	80.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
82.2%	62.6%	66.0%	66.5%	76.1%	76.7%	67.6%	91.4%	95.0%	90.0%	
73.2%	56.0%	57.4%	56.2%	69.9%	69.2%	60.7%	78.0%	82.2%	71.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.9%	76.5%	58.9%	78.1%	68.7%	62.8%	64.0%	86.7%	91.8%	95.0%	
70.4%	61.6%	51.5%	62.8%	62.6%	56.6%	59.0%	69.9%	76.7%	80.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.4%	73.1%	80.7%	71.1%	67.1%	67.0%	65.8%	87.2%	88.1%	95.0%	95.0%
73.0%	65.0%	71.0%	64.2%	56.9%	58.0%	58.3%	74.0%	76.7%	80.3%	84.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
74.7%	89.6%	73.5%	67.6%	62.9%	86.4%	68.7%	95.0%	84.6%		
62.6%	72.3%	62.8%	55.2%	55.1%	62.9%	57.9%	76.9%	70.3%		
OK	LA	MS	AL	GA						
72.2%	61.7%	60.4%	63.5%	66.3%						
58.2%	54.1%	52.5%	51.8%	55.6%						
TX										
74.8%										
62.5%										
HI										
89.0%										
79.3%										
FL										
80.4%										
67.8%										
PR										
95.0%										
83.7%										

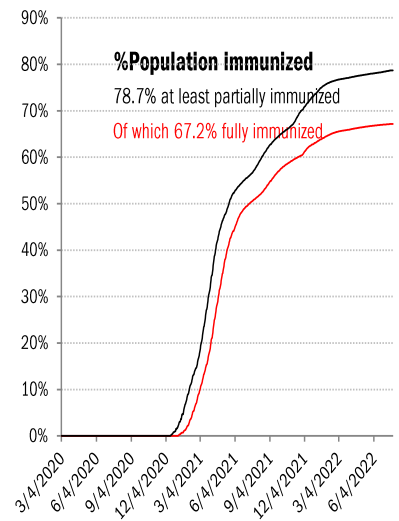
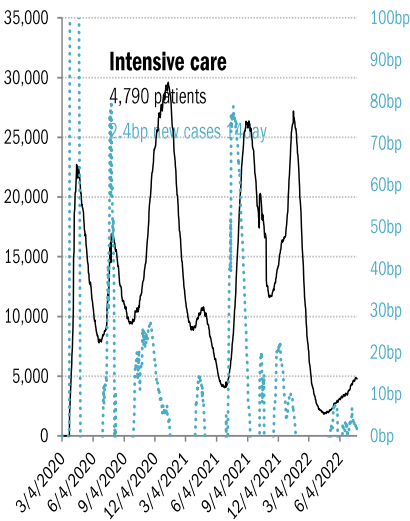
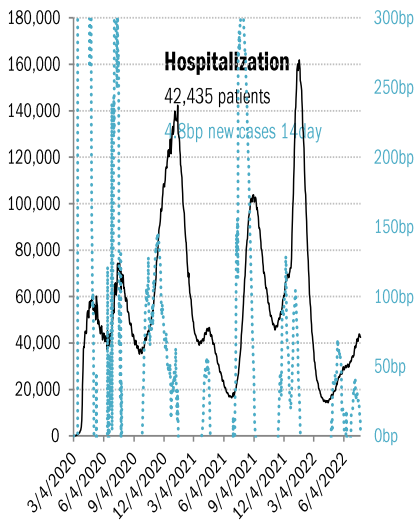
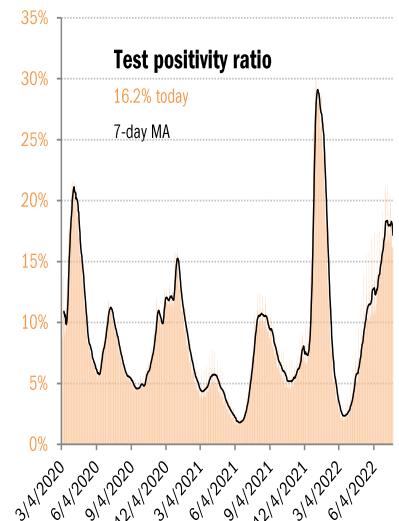
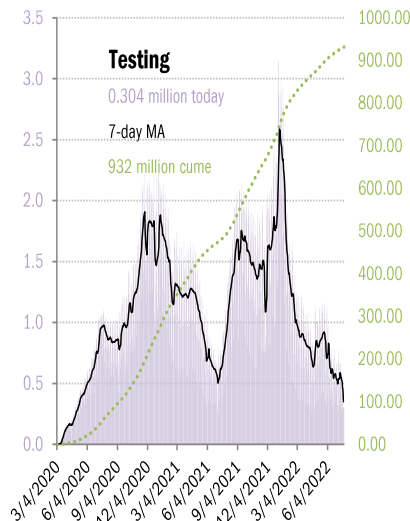
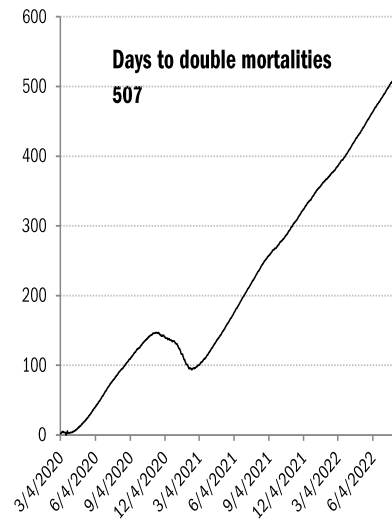
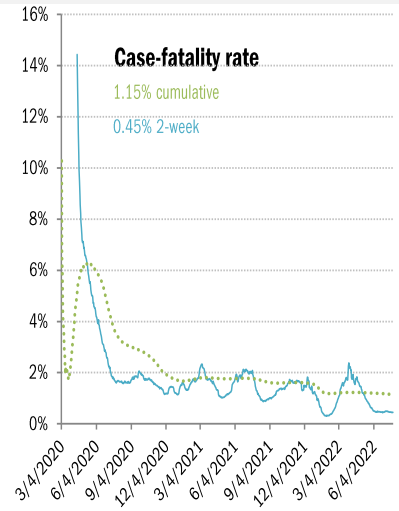
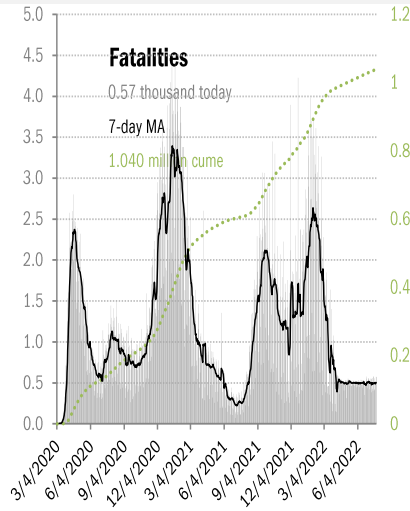
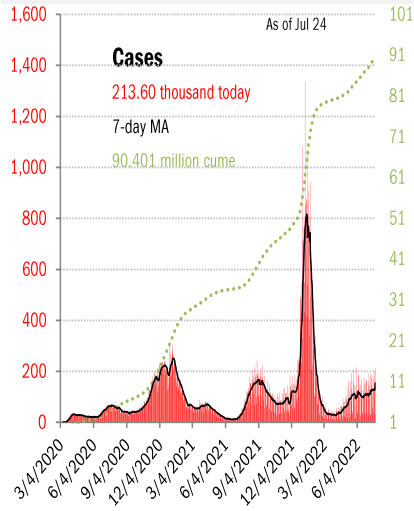
The demographics of US vaccination



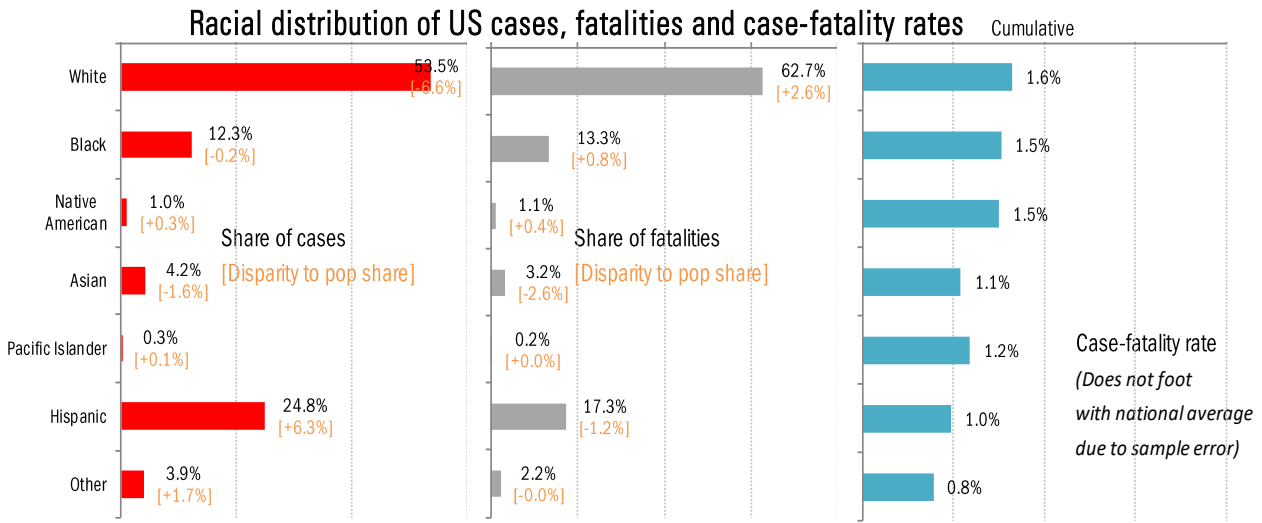
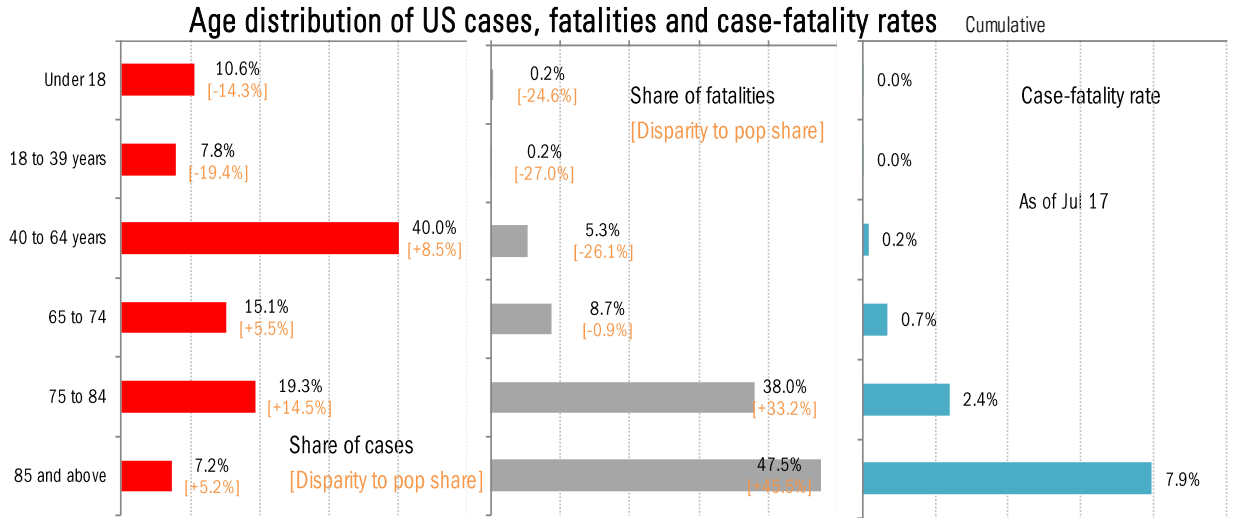
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

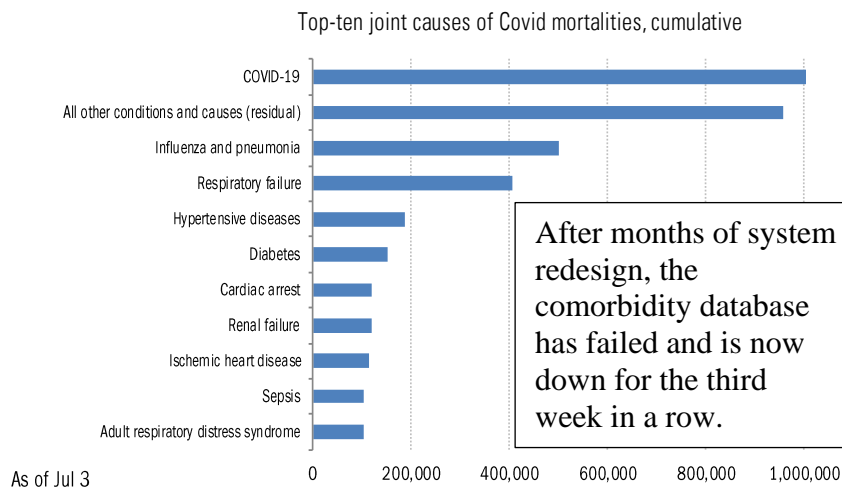
National and state-by-state data do not line up because of different sources



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



Comorbidities



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

[Monkeypox explained: How to protect yourself and what to watch out for](#)

Dustin Jones
NPR
July 24, 2022

[Matt King, Co-Founder of Meow Wolf's Immersive Art Experiences, Dies at Age 37](#)

James R. Hagerty
Wall Street Journal
July 21, 2022

[Fauci's Projected \\$414,667 Retirement Deal 'Largest Ever' in U.S. History](#)

Adam Andrzejewski
The Defender
July 22, 2022

Meme of the day

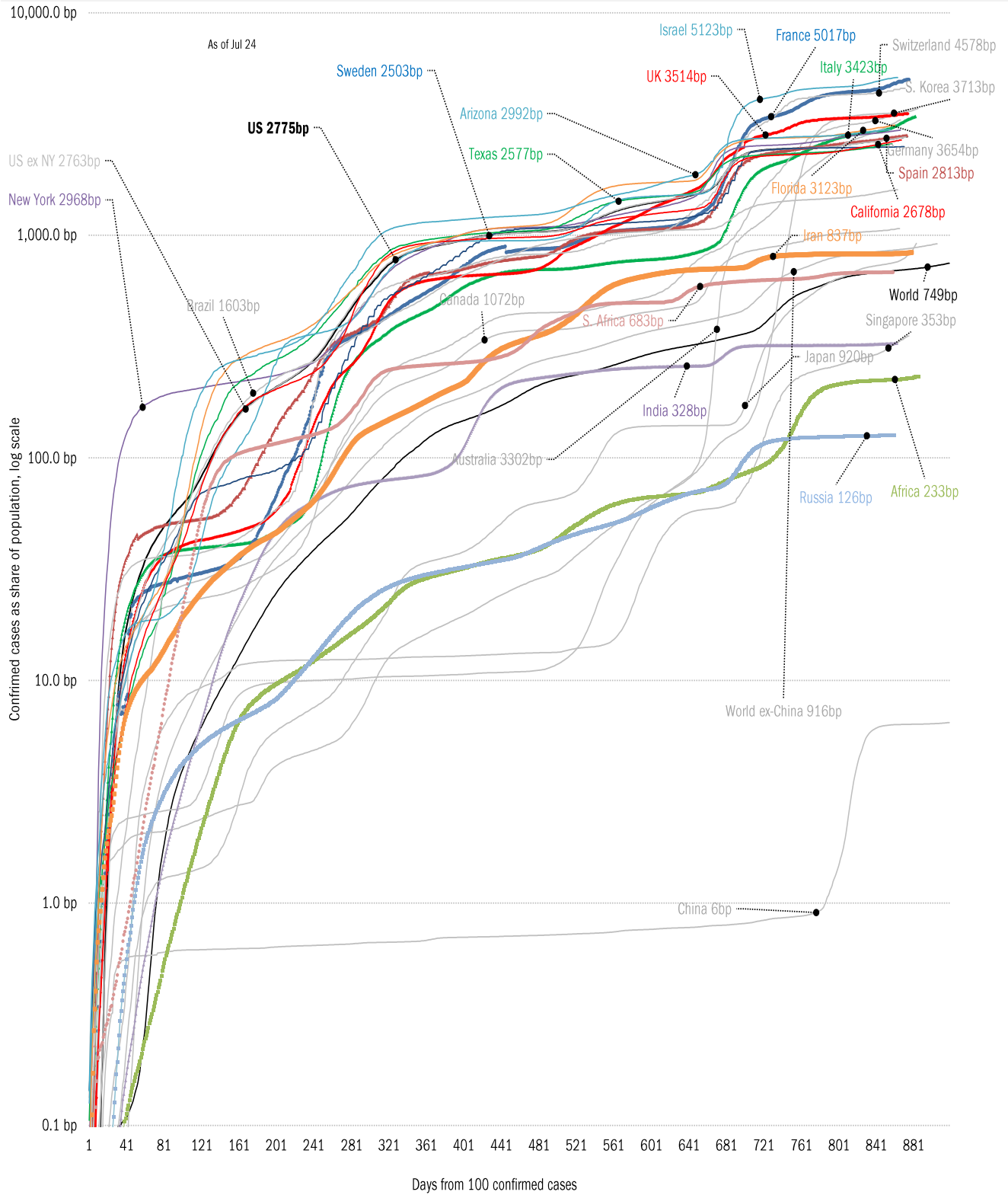


Brutal: Biden Contracts COVID Just One Day After Miraculous Recovery From Cancer

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

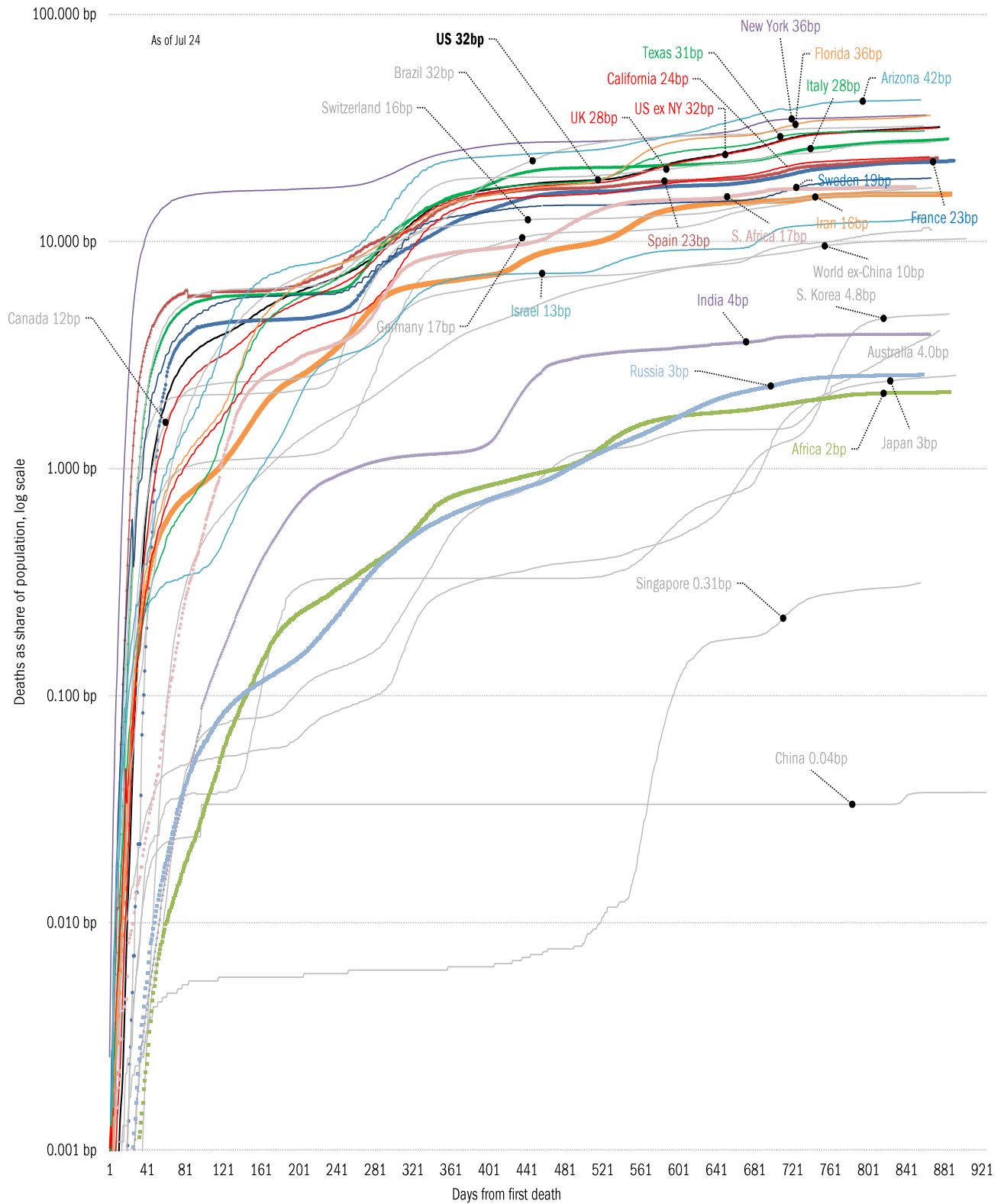
The global coronavirus case accelerometer... tracking the world's infection curves

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

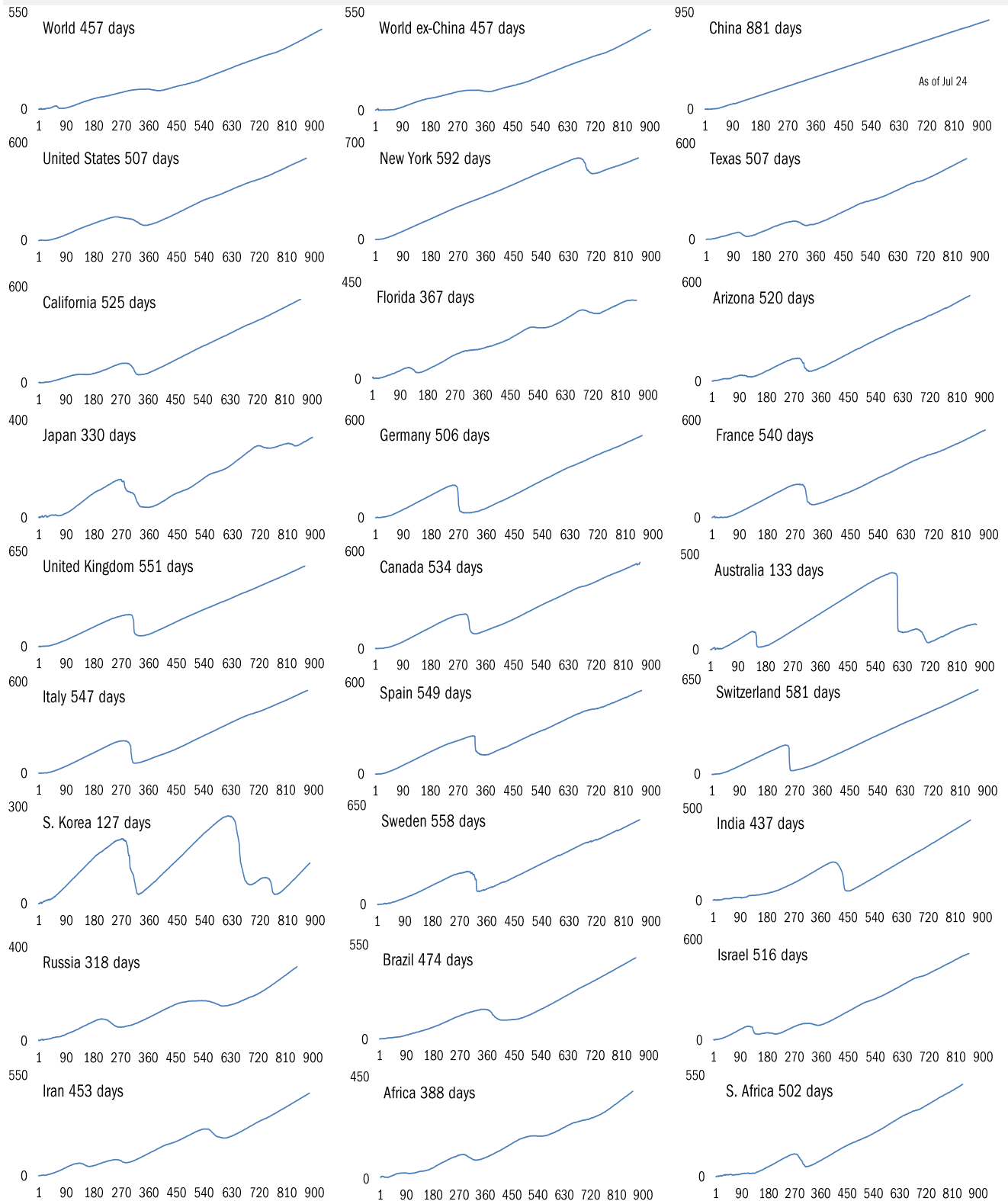


Source: [Johns Hopkins](#), TrendMacro calculations

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

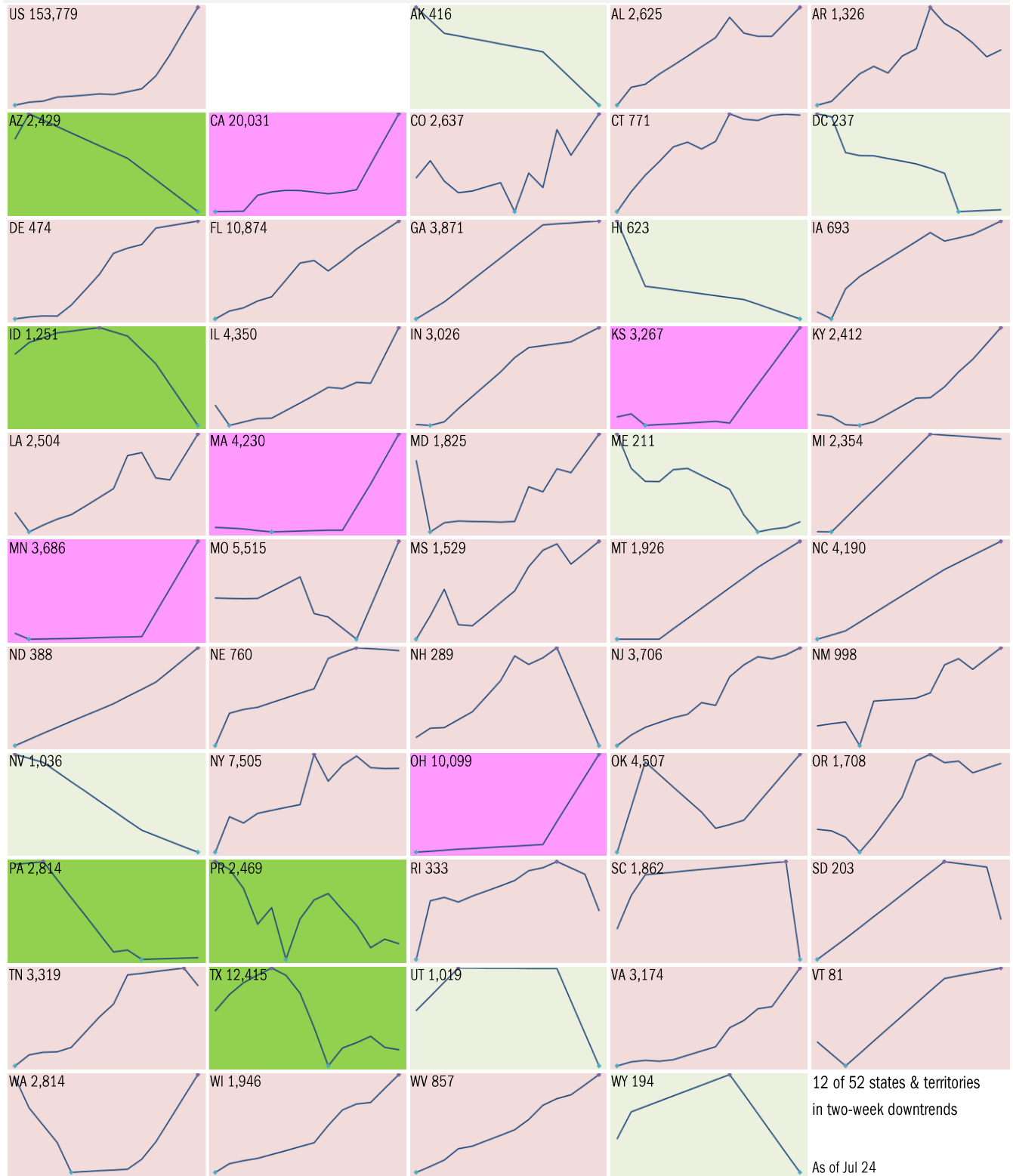


Source: [Johns Hopkins](#), TrendMacro calculations

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

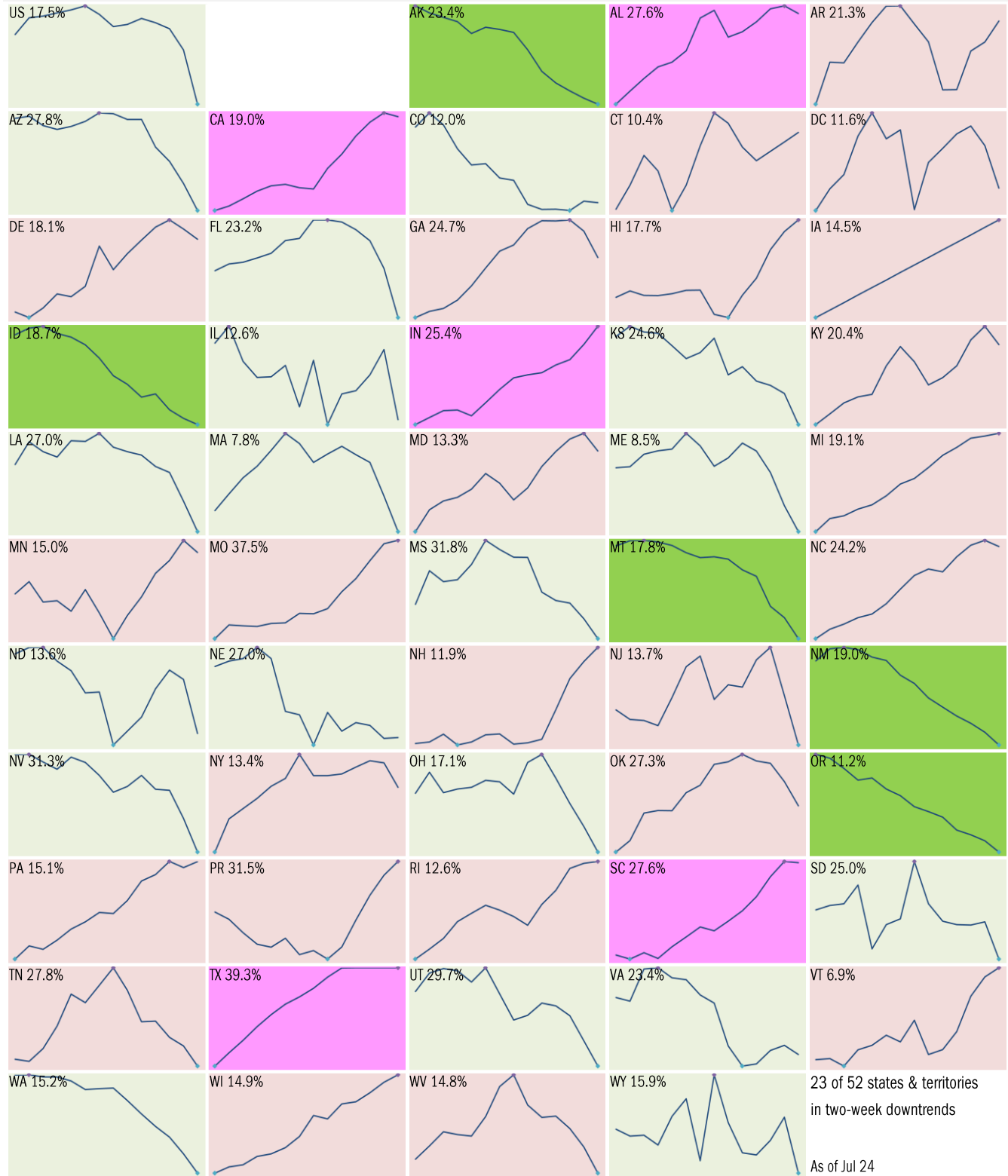


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

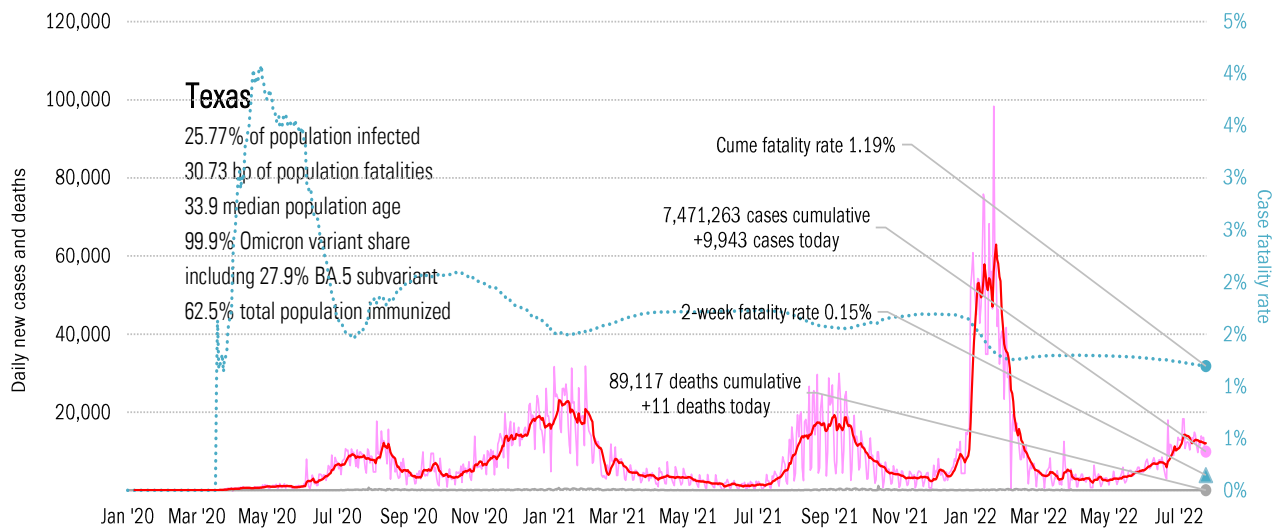
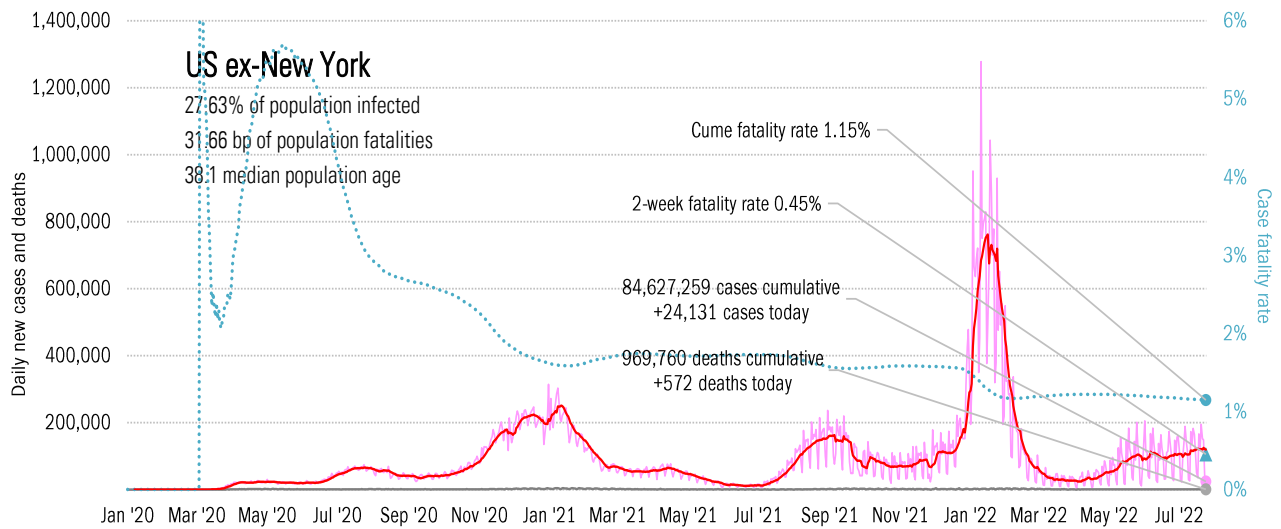
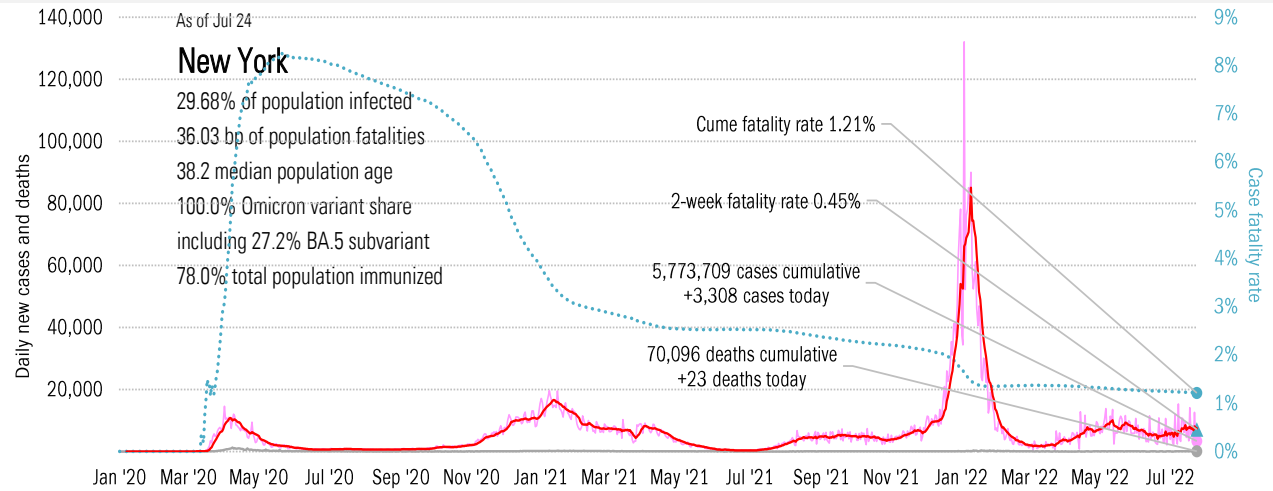
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

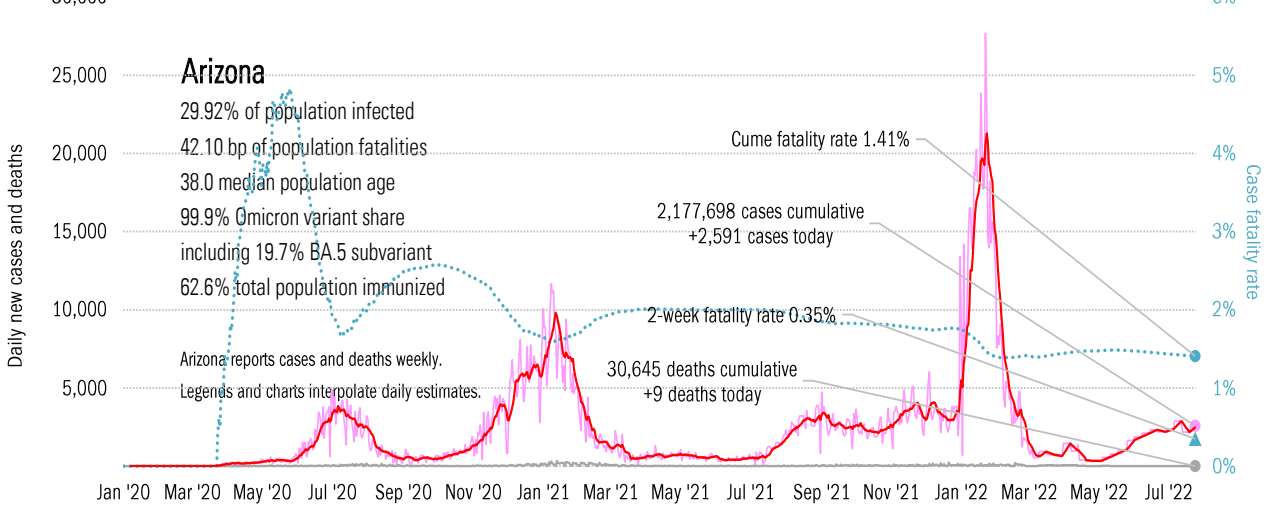
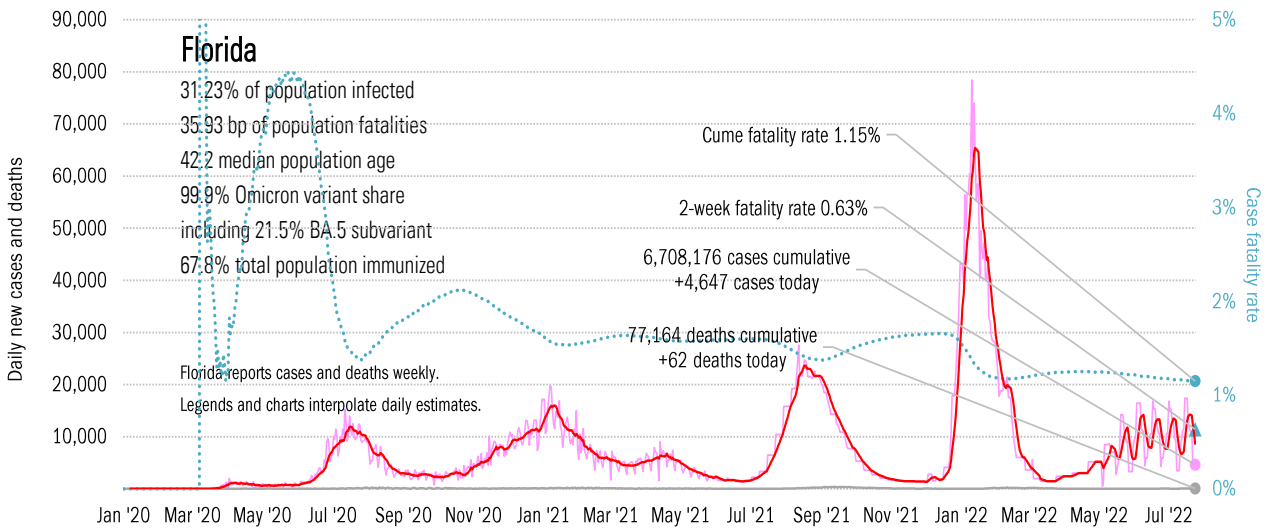
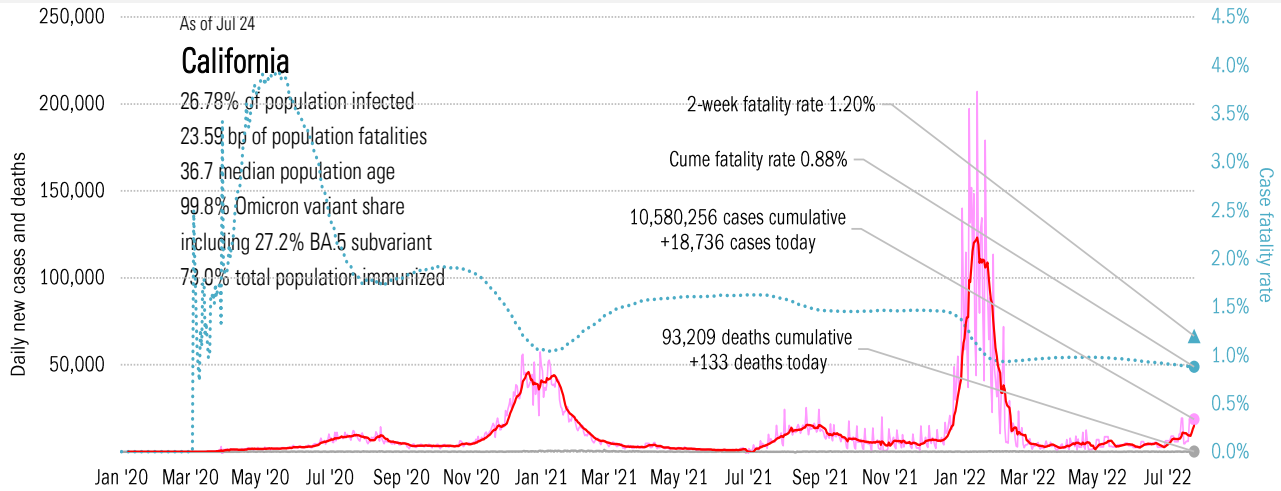
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

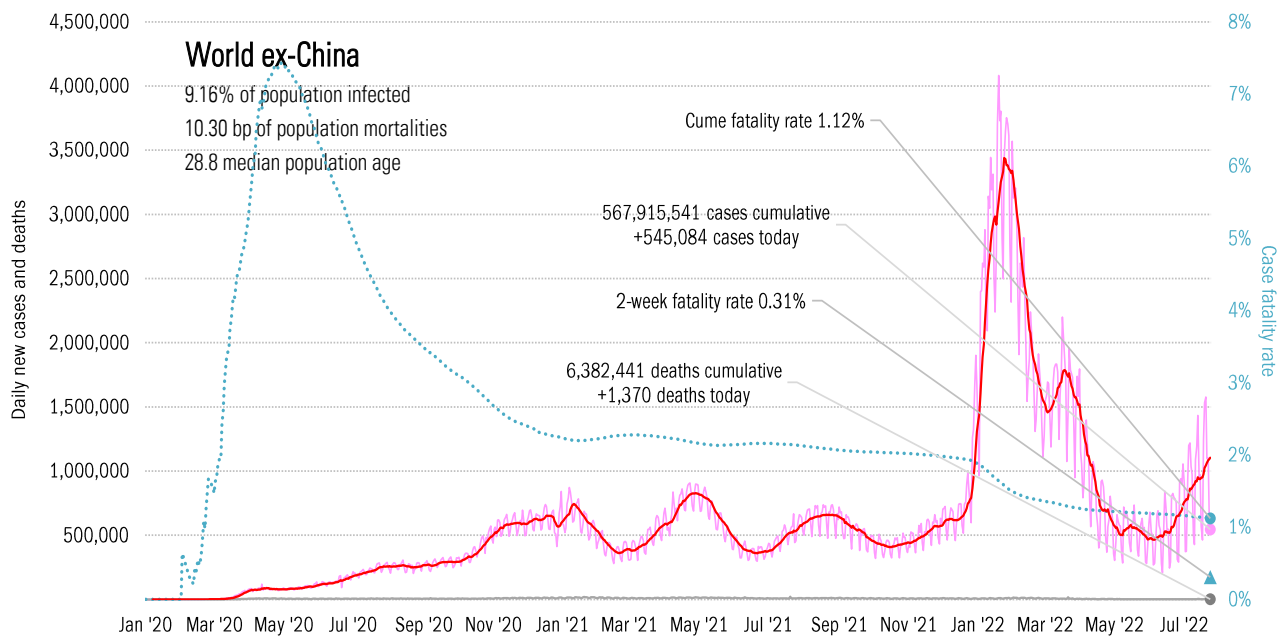
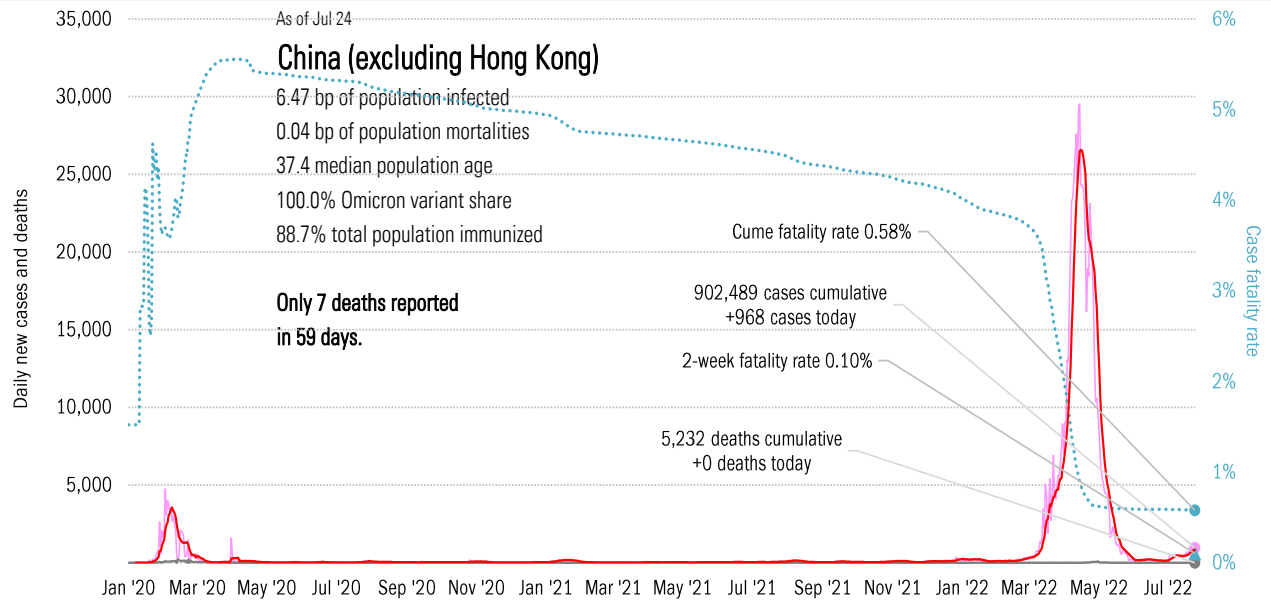
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

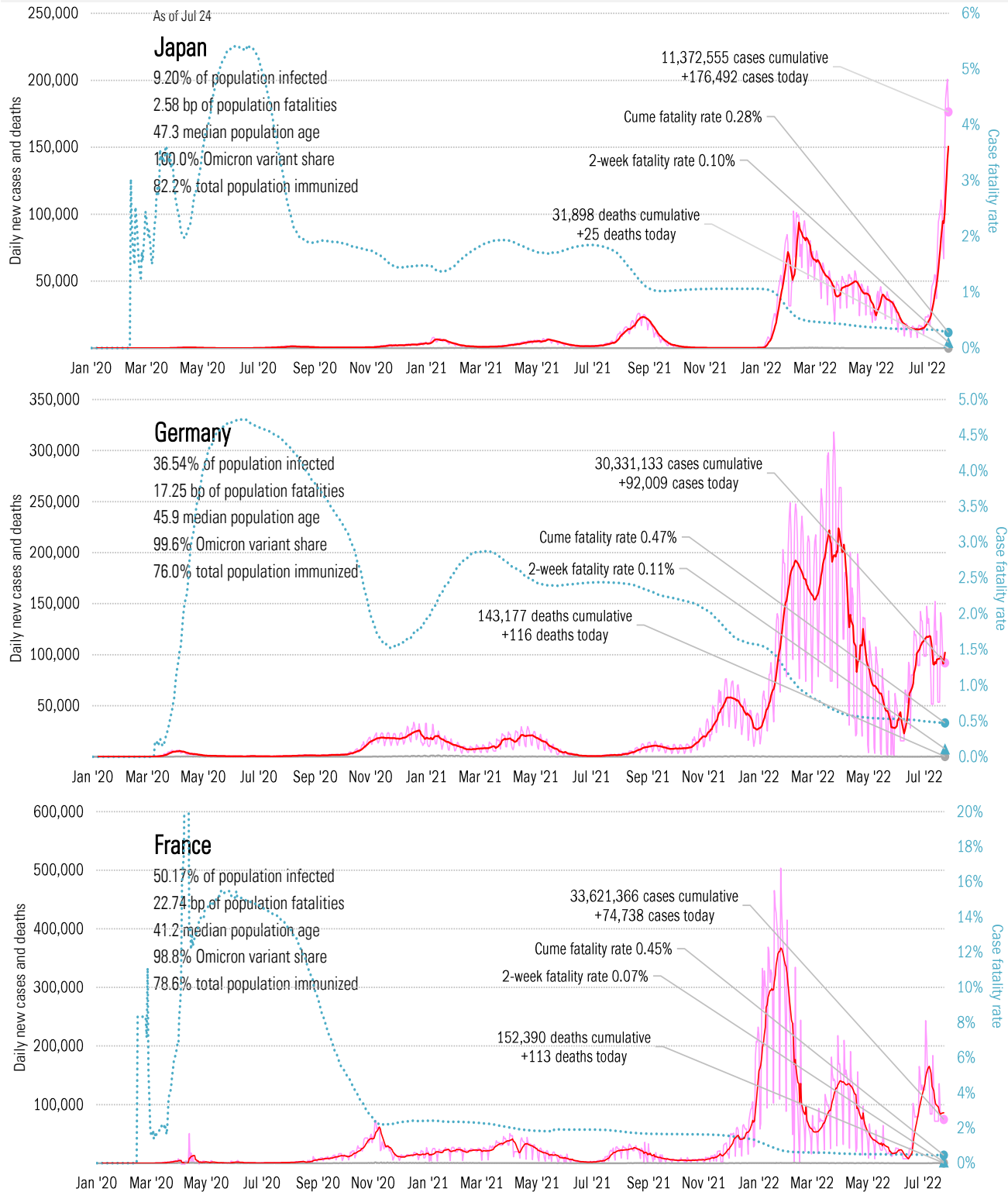
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

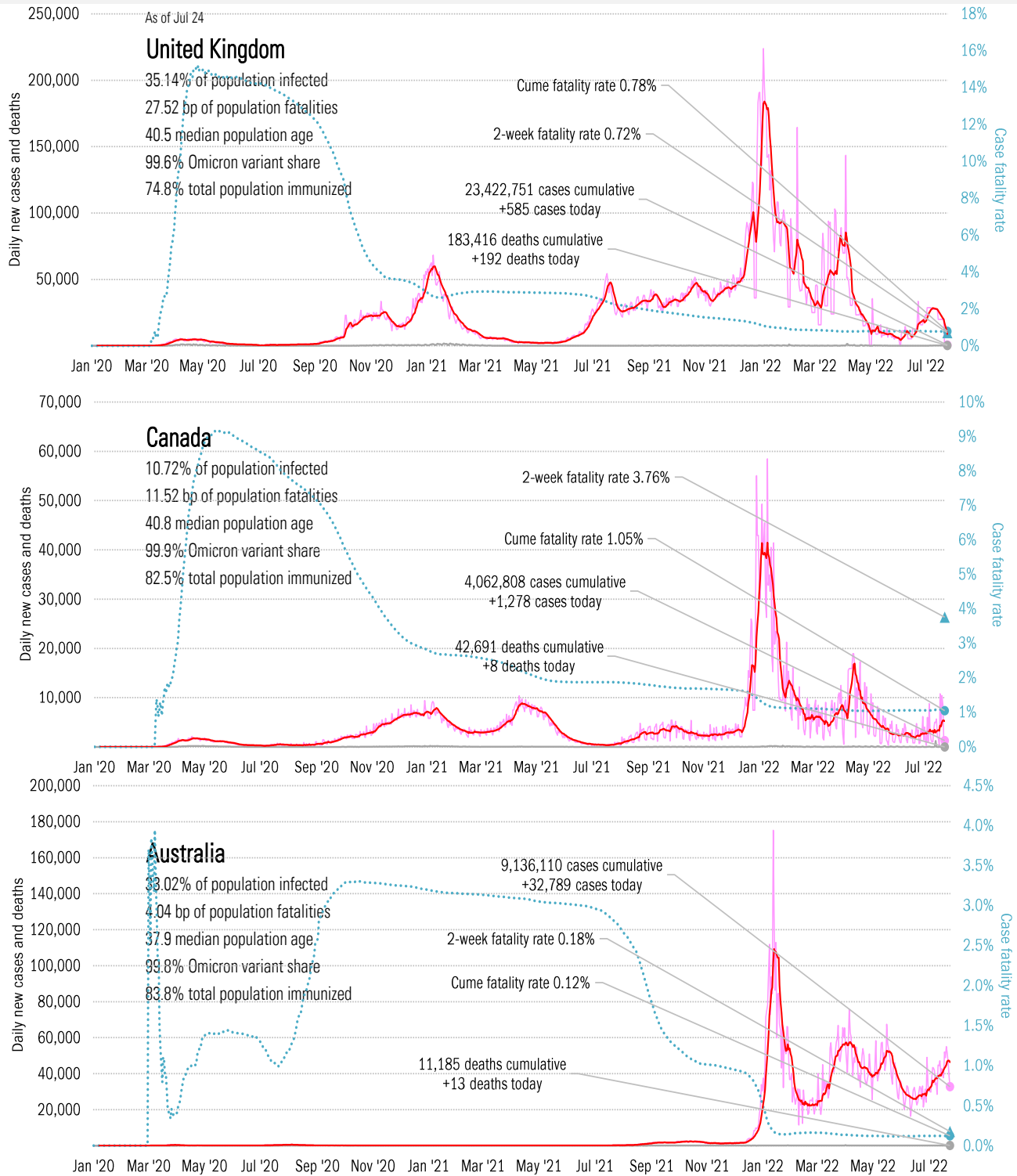
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

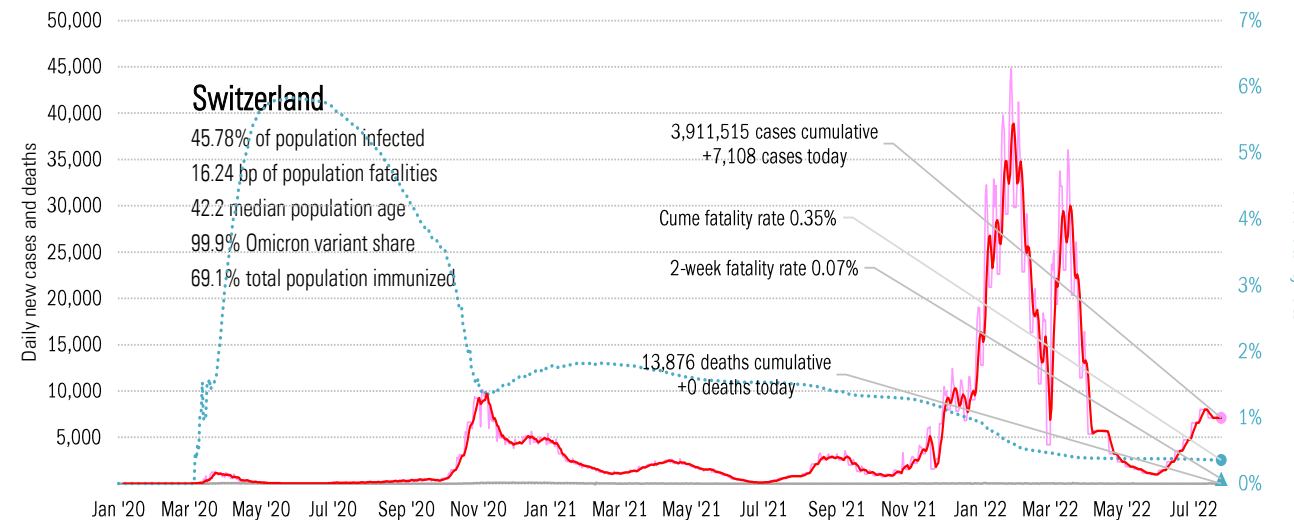
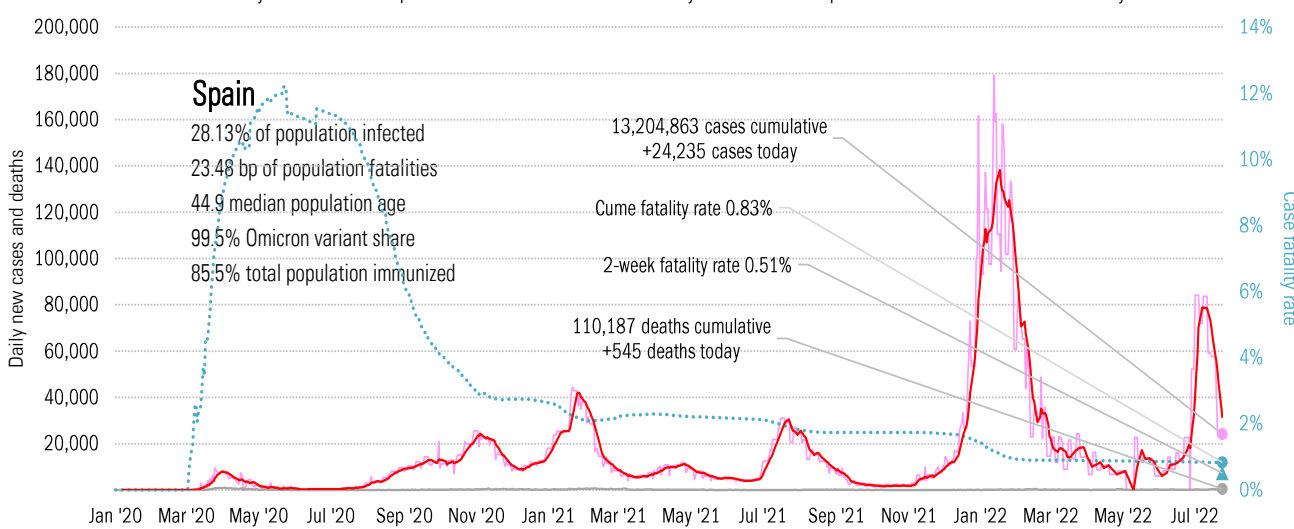
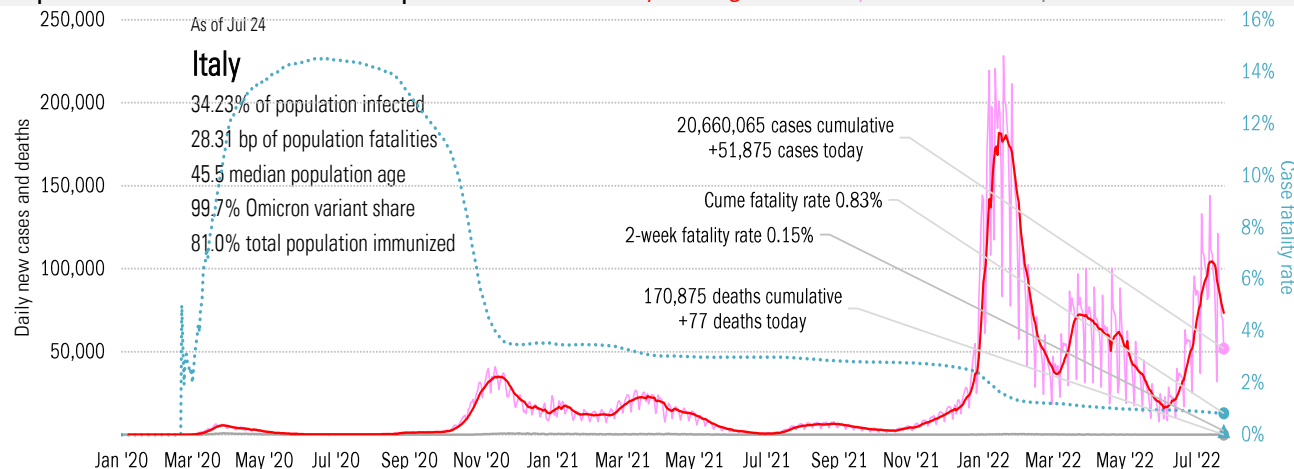
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

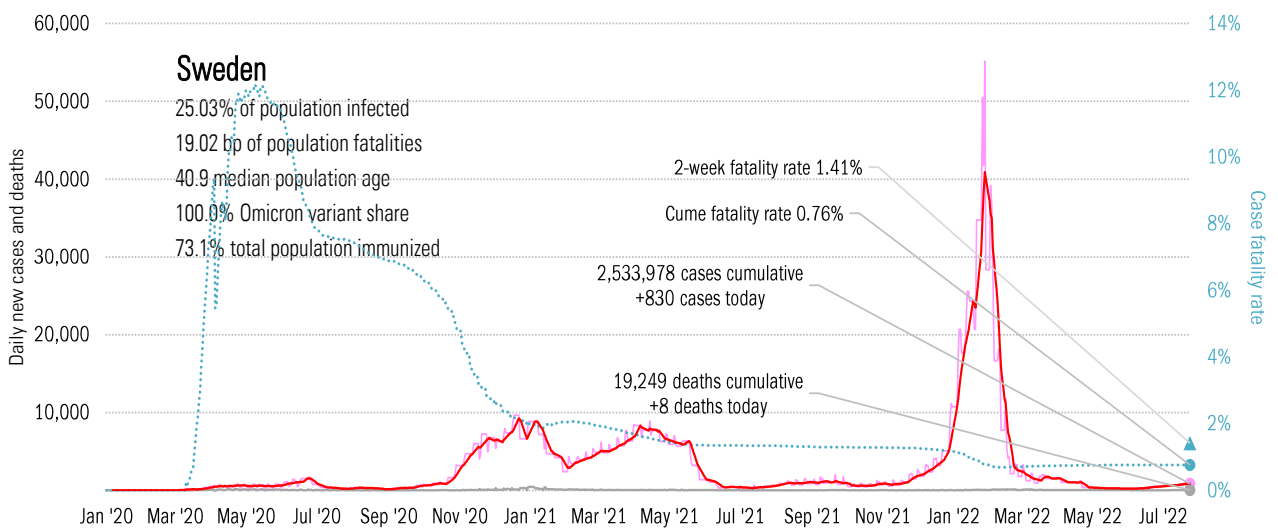
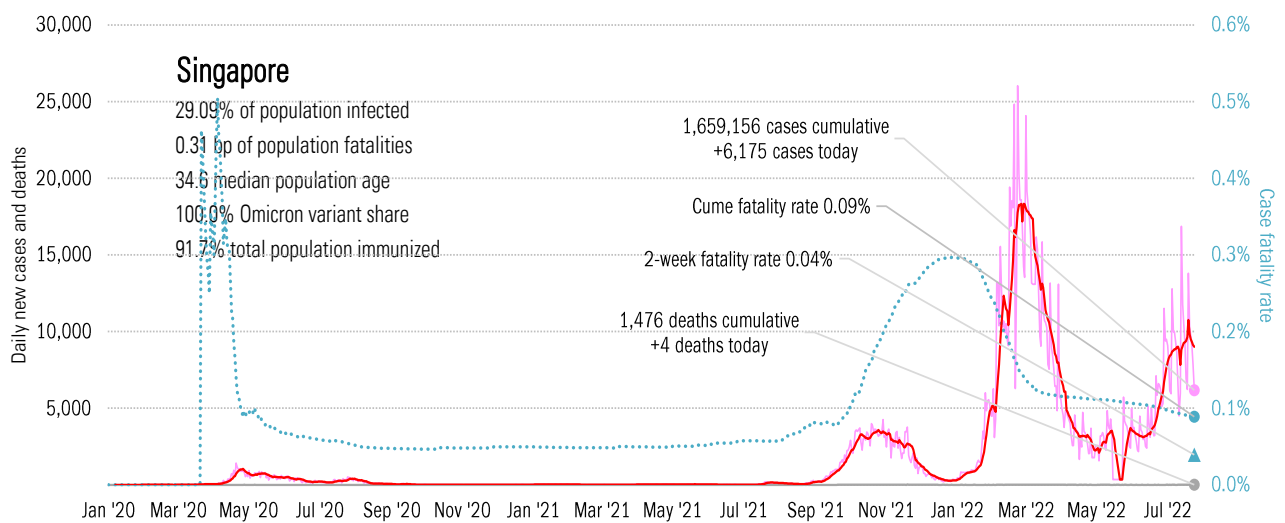
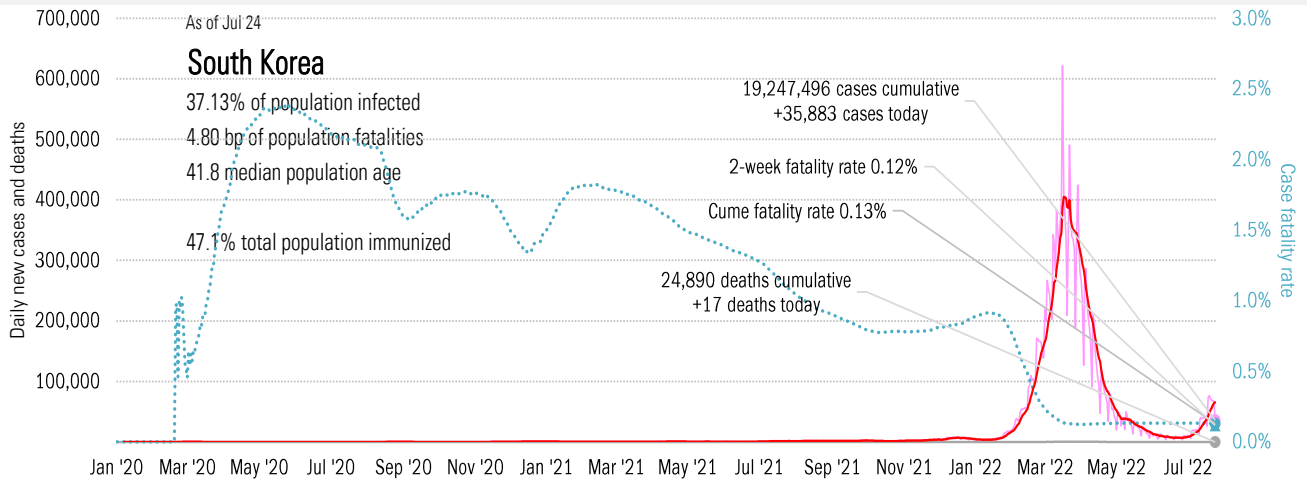
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

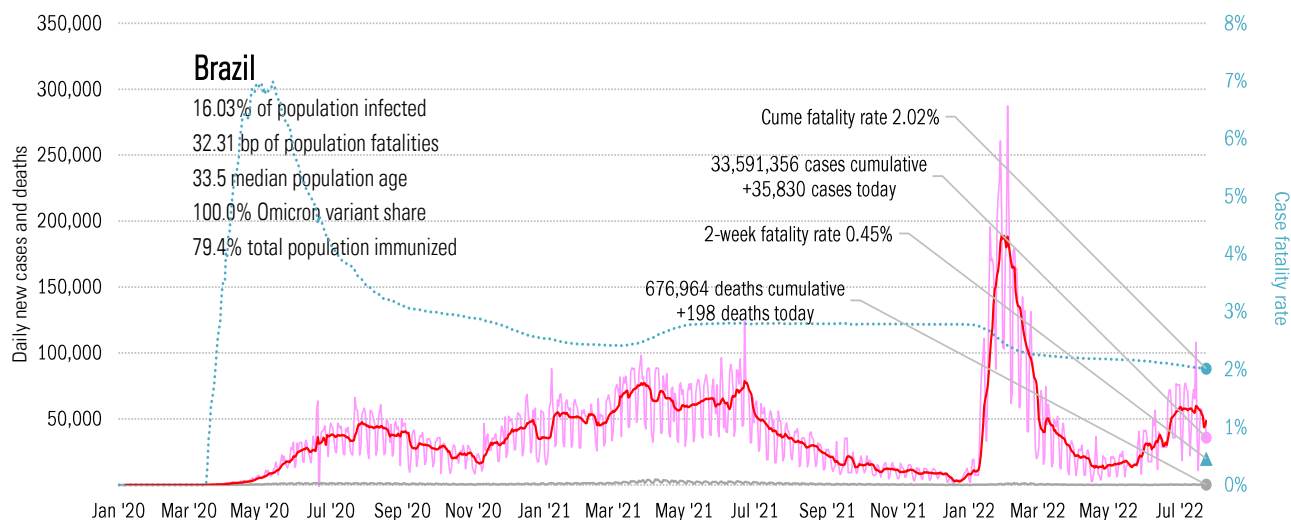
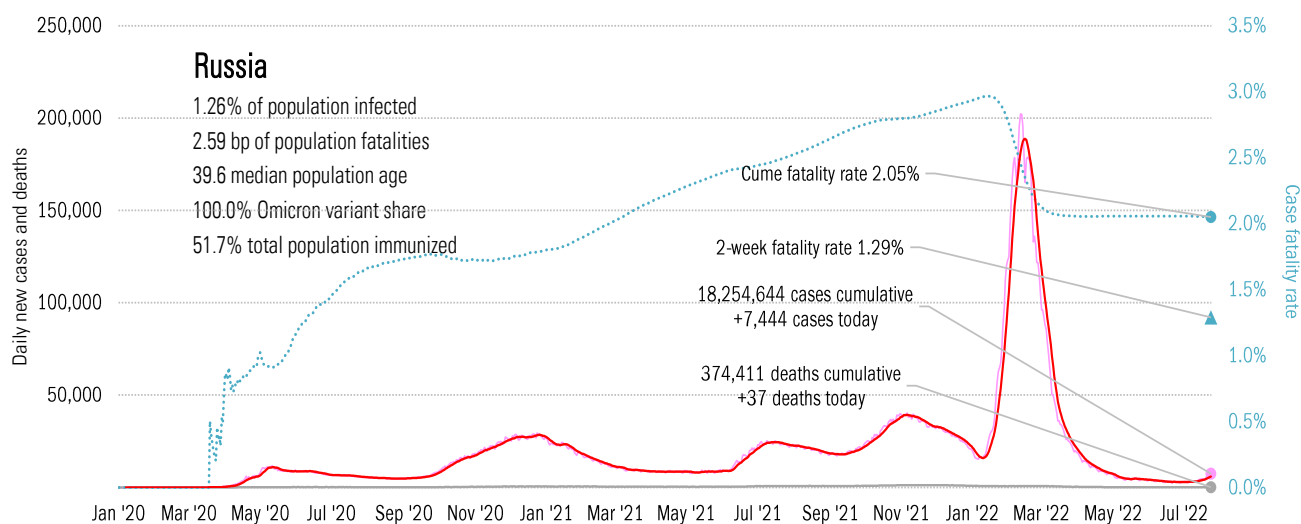
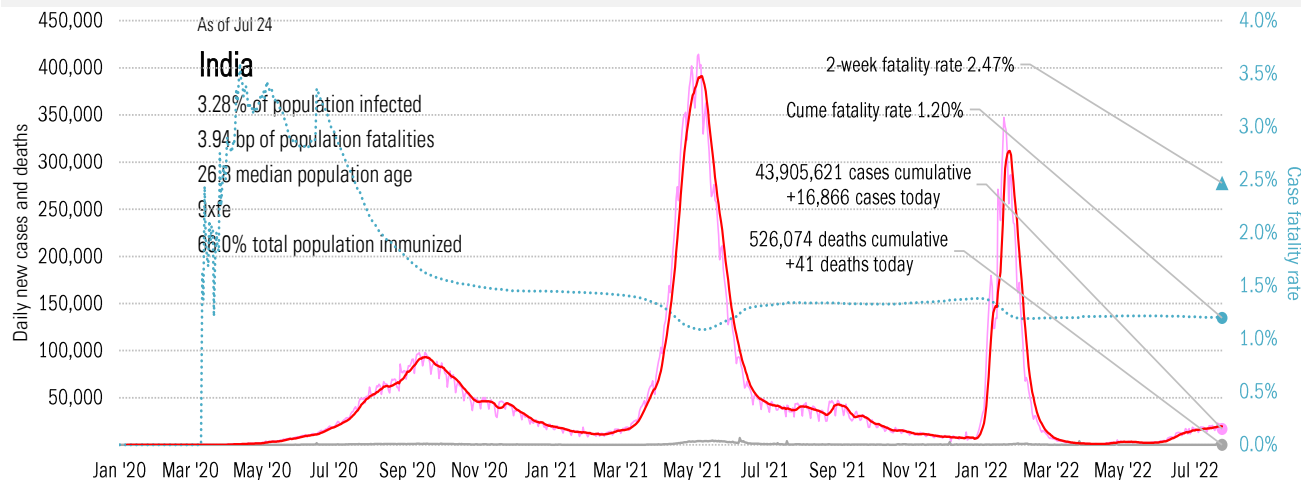
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

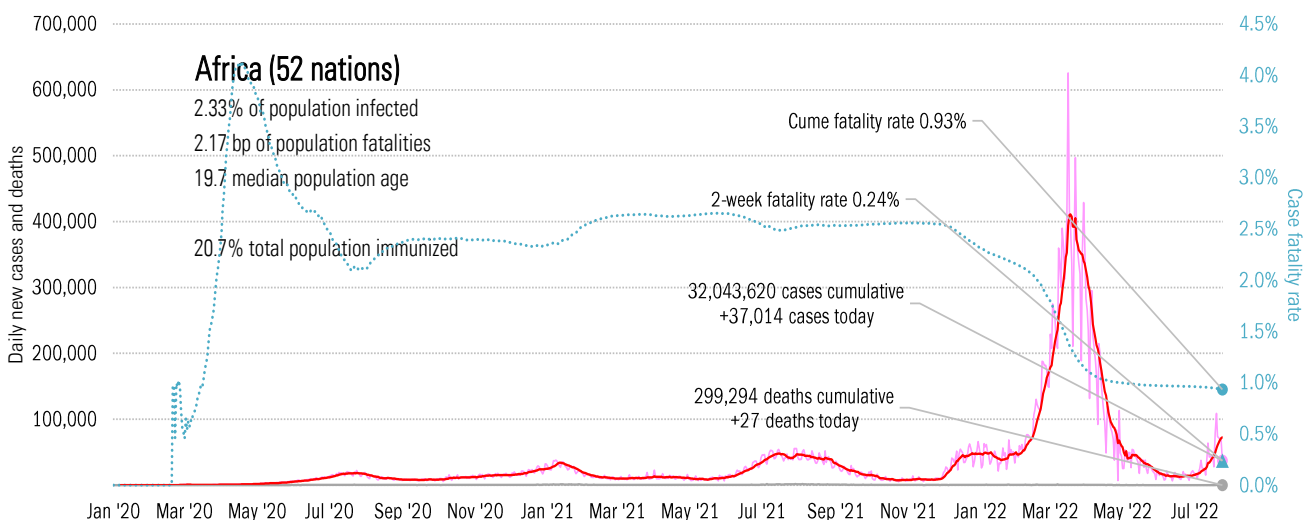
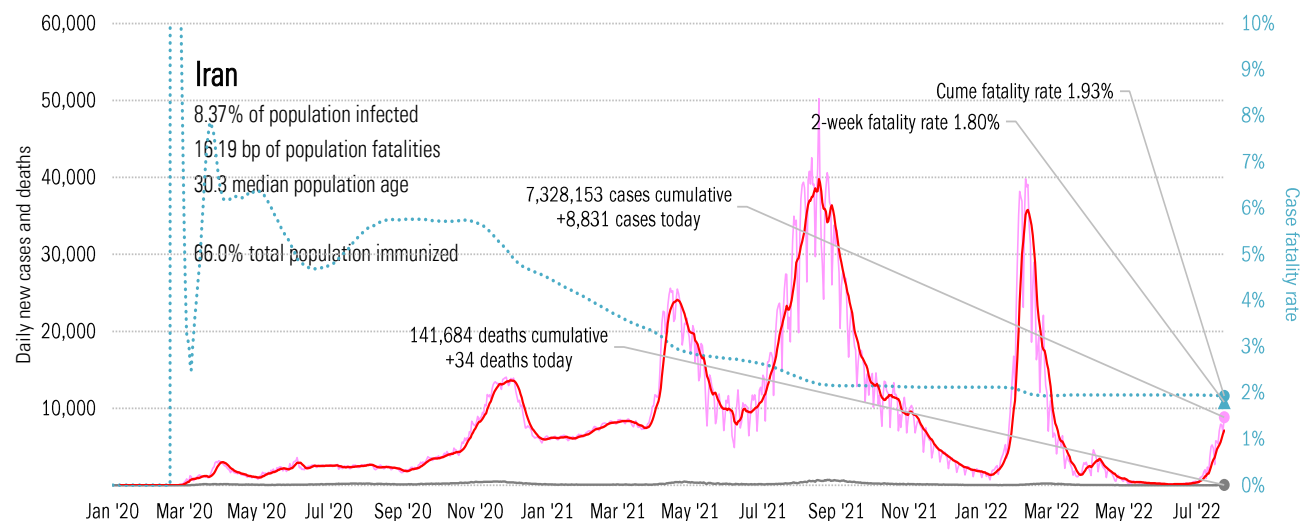
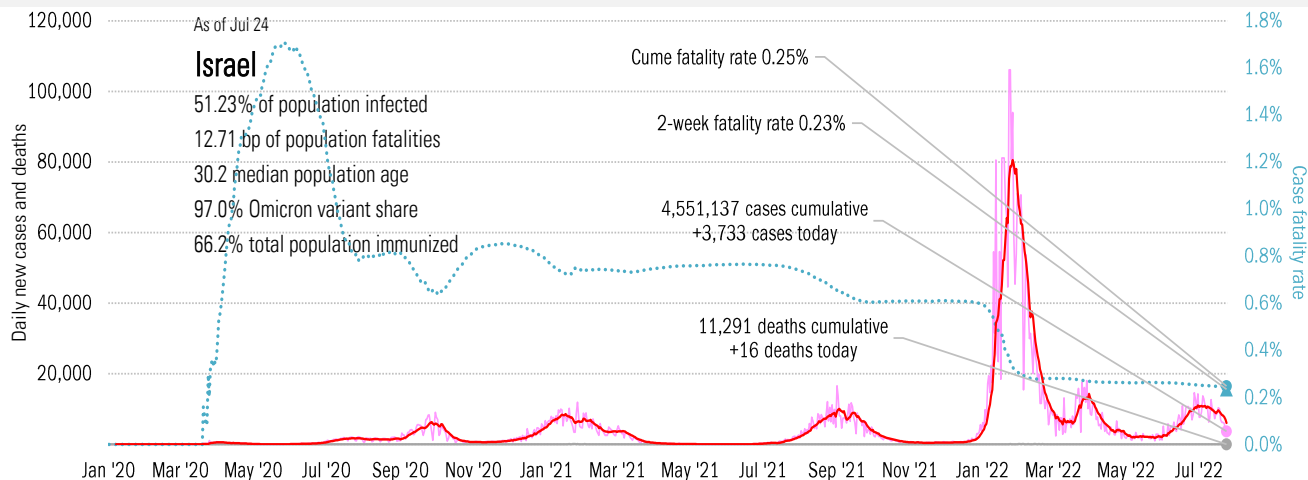
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

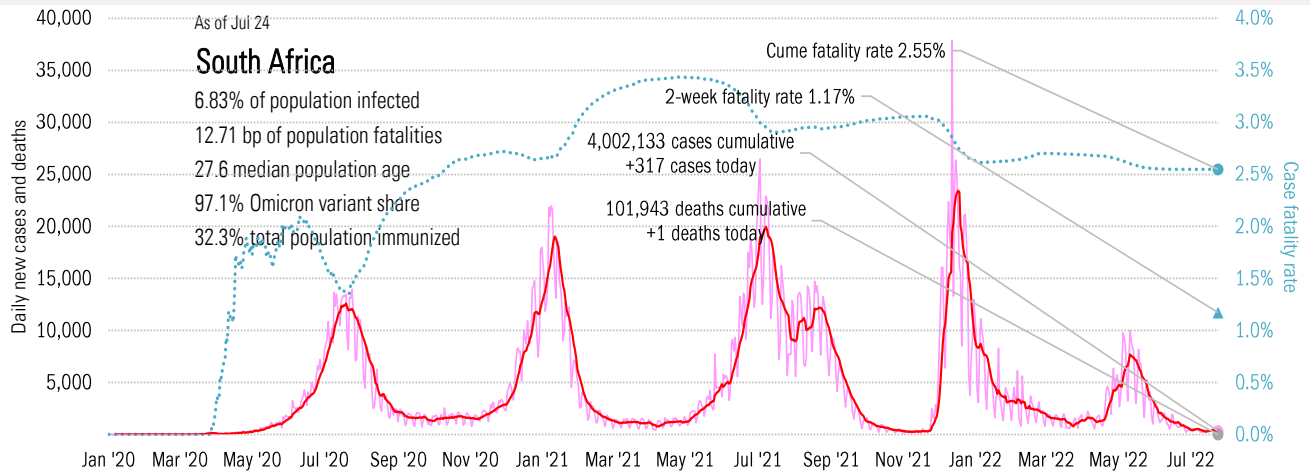
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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