

## Data Insights: Covid-2019 Monitor

Thursday, August 11, 2022

### The global scorecard

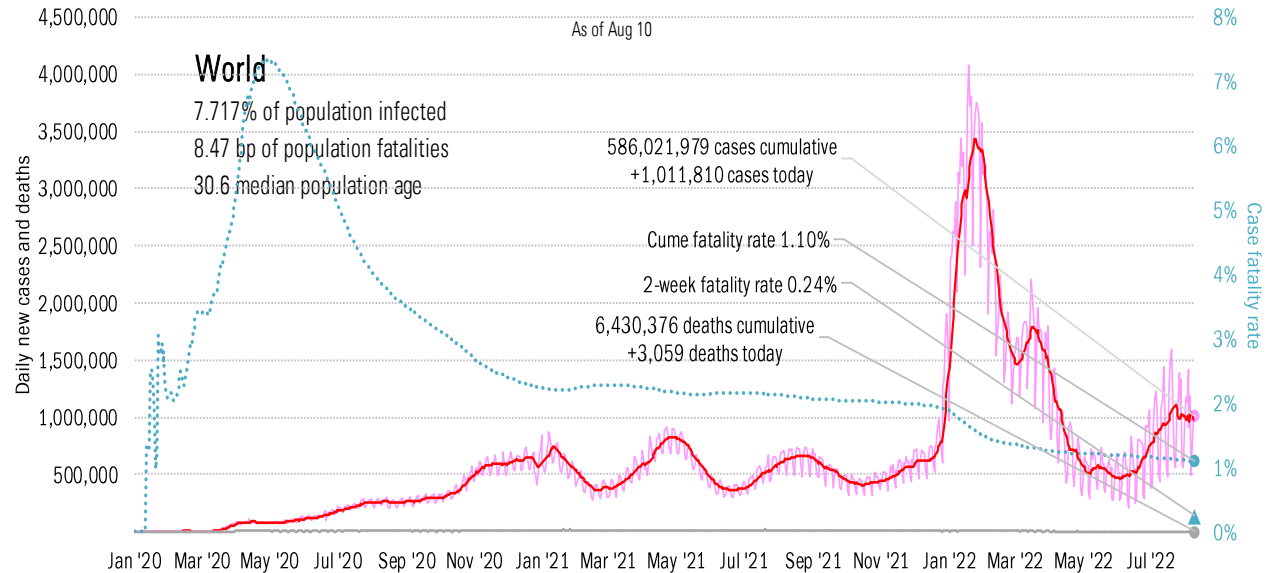
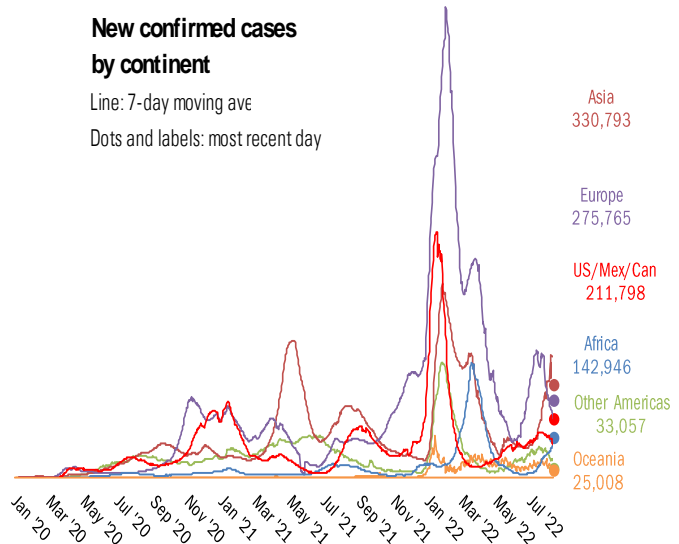
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	250,288	United Kingdom	1,037
United States	148,514	United States	855
Korea, South	137,196	Japan	251
Germany	59,888	Germany	153
United Kingdom	52,558	Italy	145
Italy	31,699	Iran	90
France	27,288	France	88
Taiwan*	23,773	Hungary	80
Russia	23,549	Korea, South	59
Australia	19,917	Australia	57
<b>774,670</b>		<b>2,815</b>	
World	1,011,810	World	3,059
Top ten	77%	Top ten	92%

#### New confirmed cases by continent

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



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

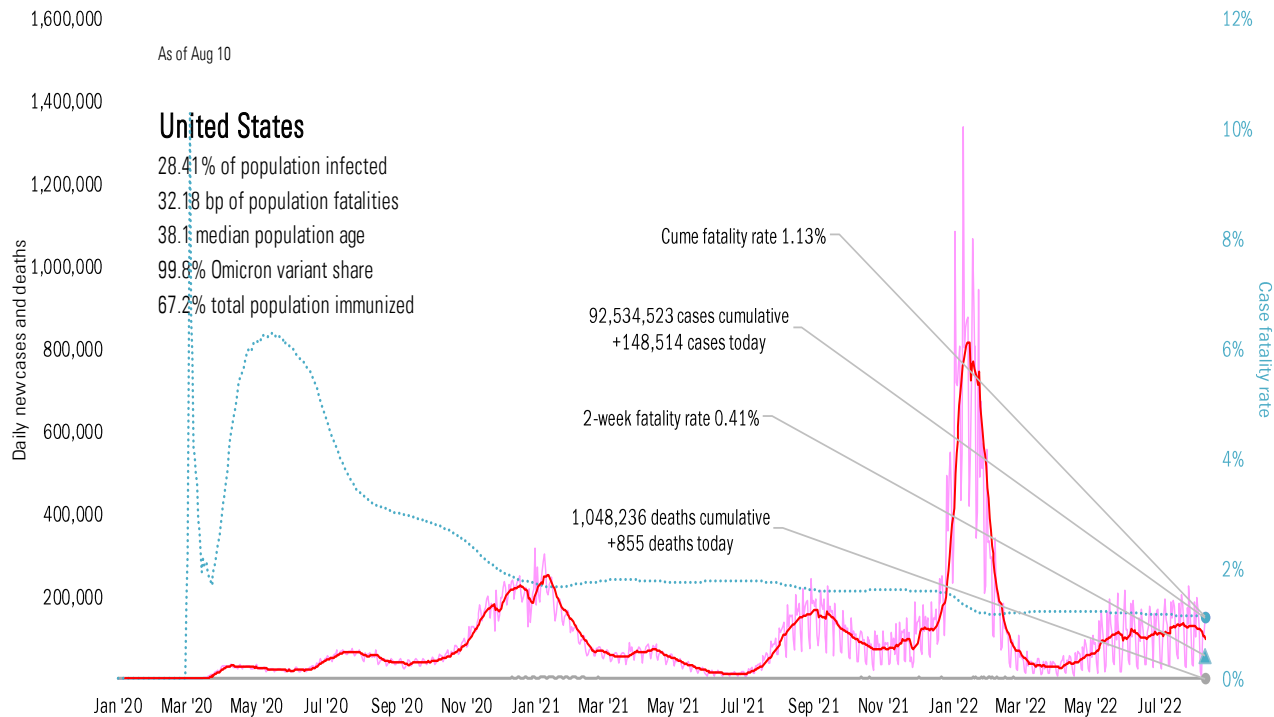
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	19,078	FL	95	IL	265	CA	10,861,313	CA	93,958	TX	527,288	RI	91%	DE	118%						
CA	18,652	TN	86	AL	144	TX	7,658,391	TX	89,609	CA	477,381	MA	85%	AK	84%						
TX	12,574	MO	60	PA	249	FL	6,872,920	FL	78,292	FL	471,993	WA	85%	AL	83%						
FL	8,304	WA	50	KY	130	NY	5,887,707	NY	70,610	NY	284,728	MN	84%	TX	83%						
WA	8,206	NV	40	AZ	107	IL	3,611,415	PA	46,374	GA	218,145	DE	83%	MA	82%						
KS	6,340	NC	37	AR	82	PA	3,125,967	GA	39,319	CH	208,128	GA	83%	VT	81%						
NY	6,251	TX	37	WI	108	NC	3,047,625	CH	39,133	PA	194,423	WV	82%	NM	81%						
IN	6,207	CA	34	RI	18	CH	2,976,027	IL	39,059	IL	177,472	MD	81%	NH	80%						
NC	4,461	IN	33	ND	17	GA	2,803,517	MI	37,671	MI	155,077	MO	81%	NE	79%						
CH	3,969	NY	33	MD	93	MI	2,708,622	NJ	34,375	KY	140,125	MI	81%	NC	79%						
94,043			505			1,213			49,553,504			568,400			2,854,760						
All states	148,514		855		6,223	All states	92,534,523		1,048,236		5,180,246	All states	70%		67%						
Top ten	63%		59%		19%	Top ten	54%		55%		55%	Median	76%		73%						

Some states not reporting

## Five most improved US states

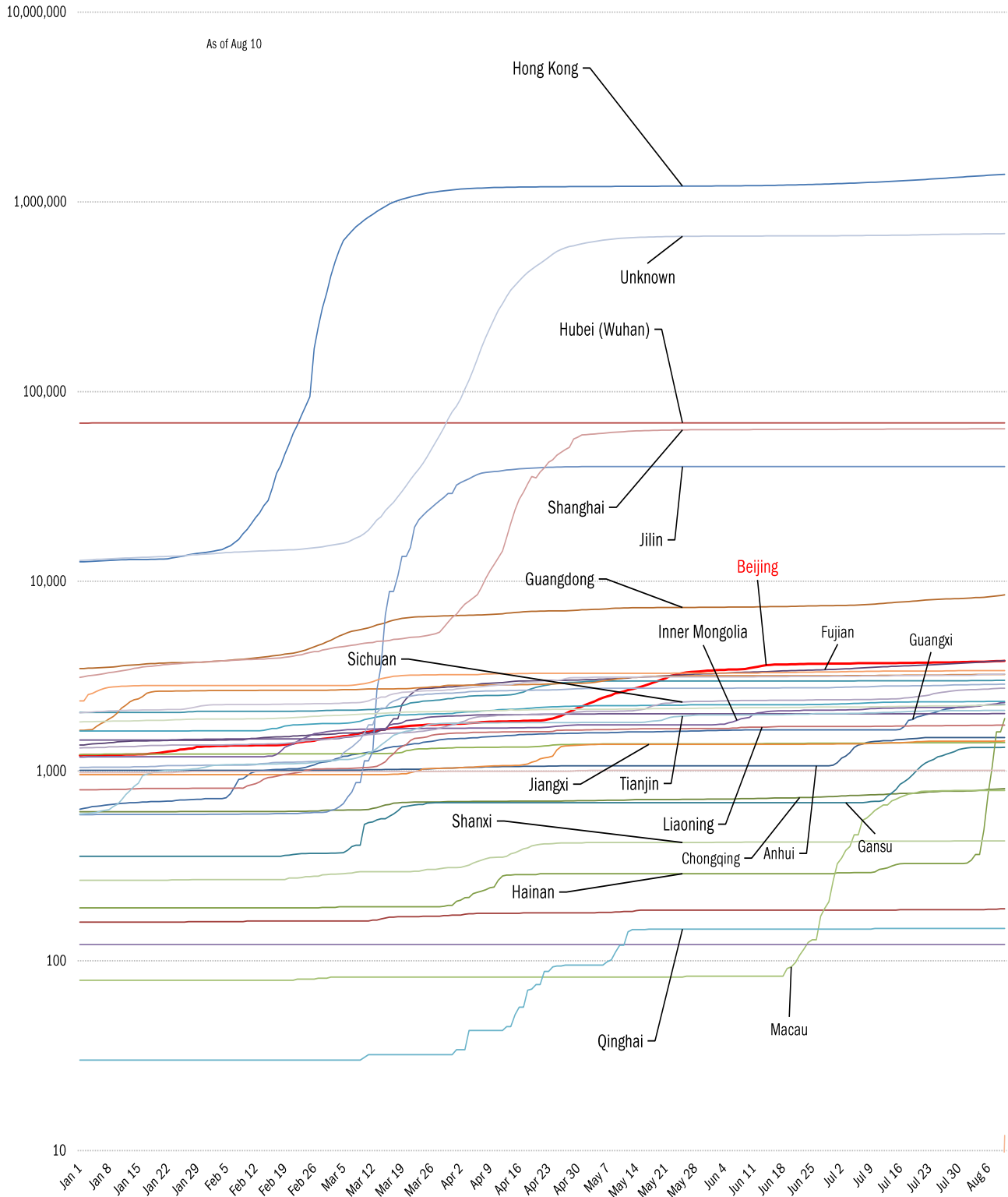
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TN	-2,336	CA	-44	CA	-65
MD	-2,024	NY	-33	TX	-50
LA	-937	IL	-31	MI	-48
NE	-934	LA	-24	IA	-43
IL	-870	CT	-17	FL	-40



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"*

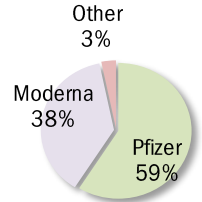


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	619,466,336		+0.084 million		US	67.2%	78.8%	
of which boosters	109,565,113		+0.054 million		UK	75.0%	79.8%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.9%
Total population	269,710,457	81%	229,430,100	69%	+0.021 million	Spain	85.5%	86.9%
Age 12 to 17	18,032,248	71%	15,411,357	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,358,338	89%	153,011,960	75%	+0.013 million	Italy	81.0%	85.8%
Age 65 and over	59,584,000	100%	52,121,257	95%	+0.004 million	Australia	83.9%	86.4%
						Israel	66.2%	72.3%
						Canada	82.6%	86.0%
						Japan	82.3%	83.4%
						Africa	20.9%	26.6%
						India	66.4%	72.6%
						Brazil	79.4%	86.4%
						China	88.7%	91.1%



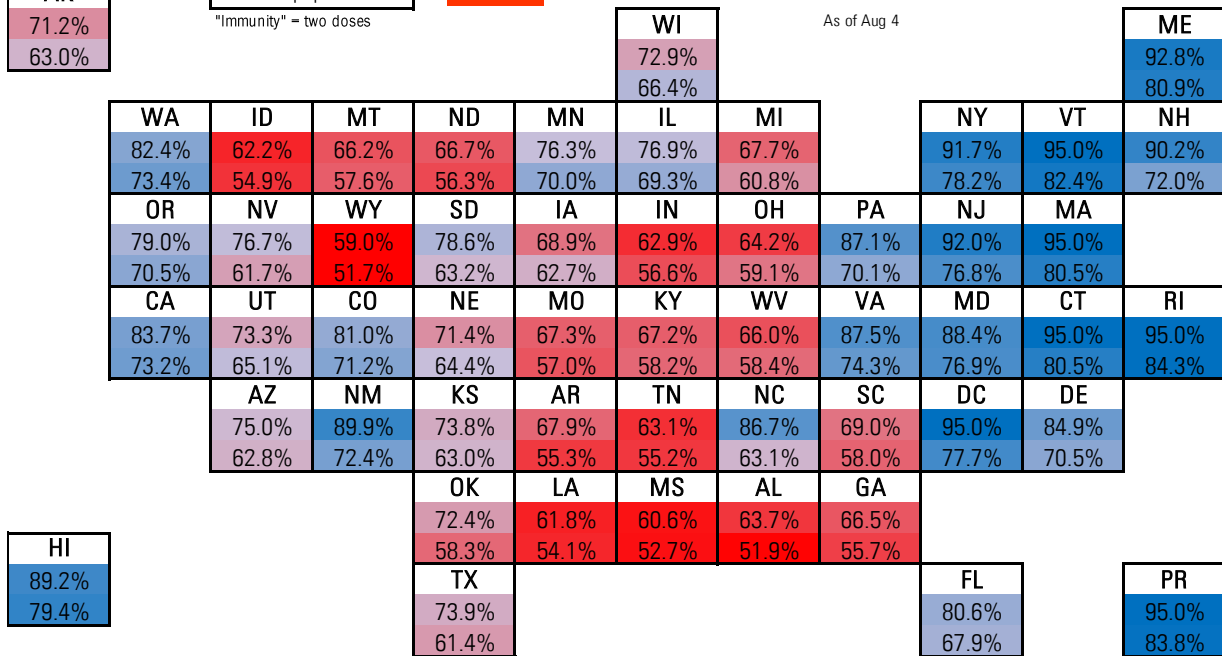
<b>AK</b>
71.2%
63.0%

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

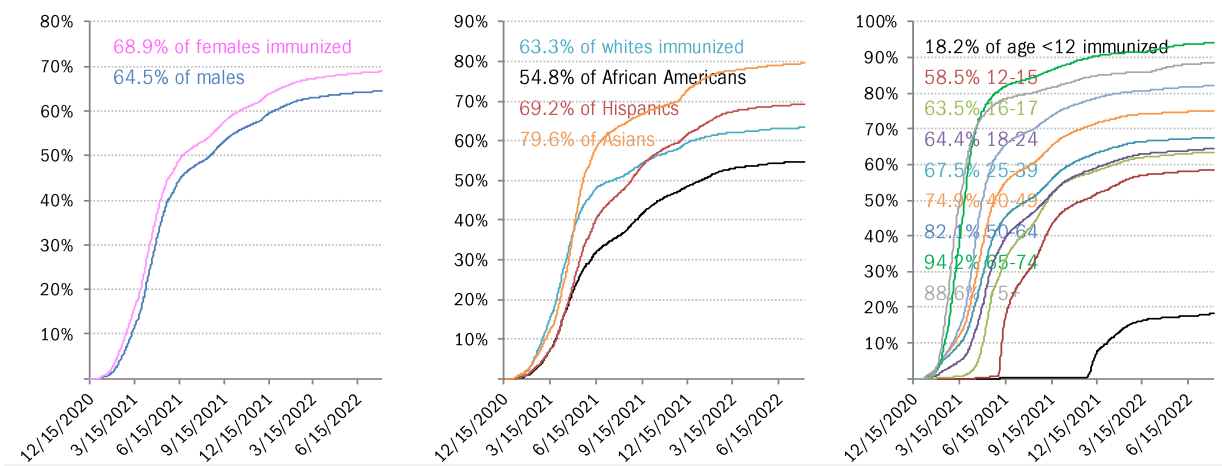
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing



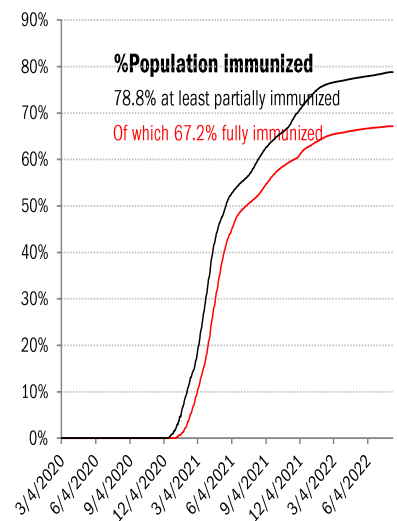
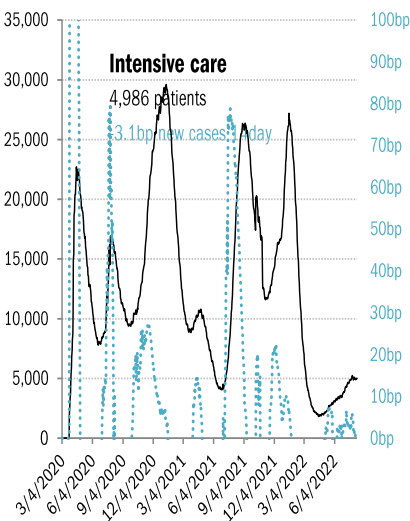
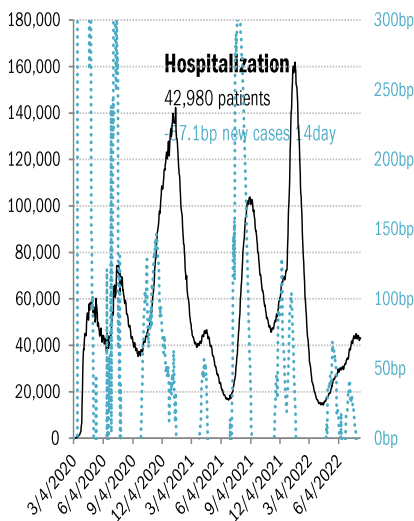
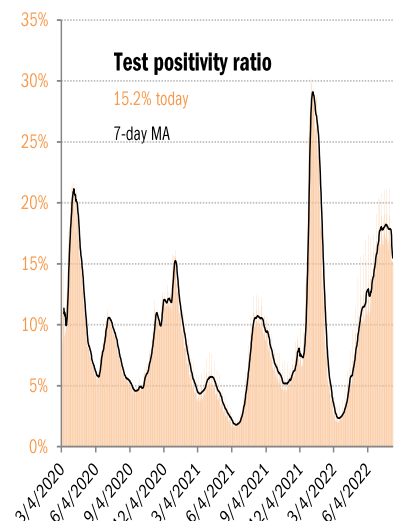
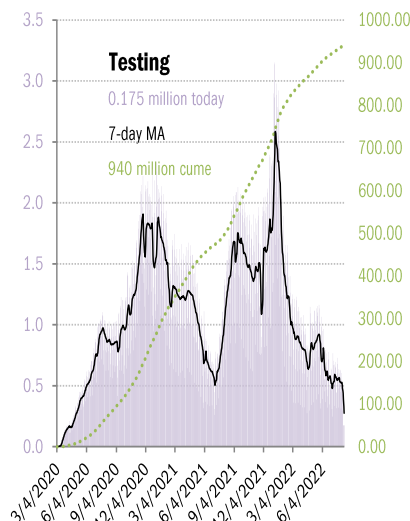
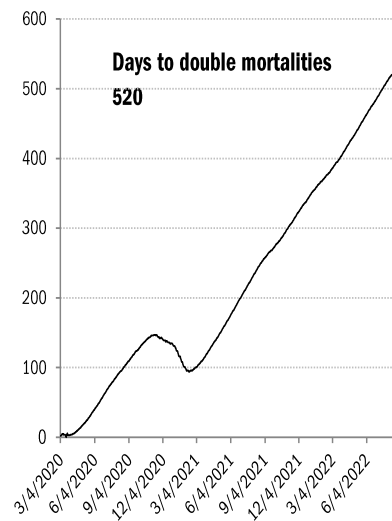
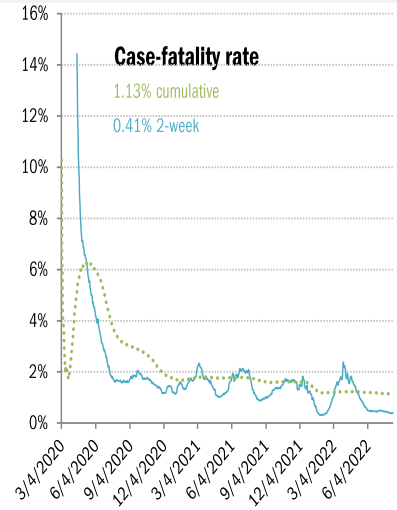
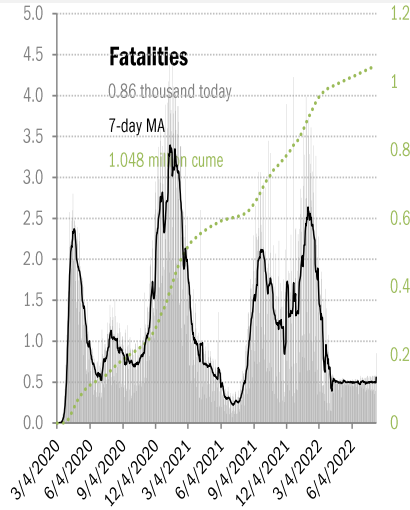
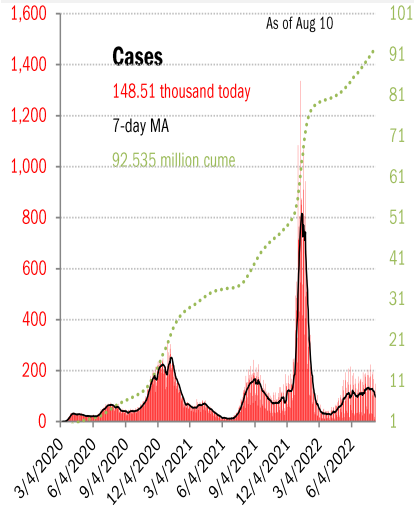
## The demographics of US vaccination



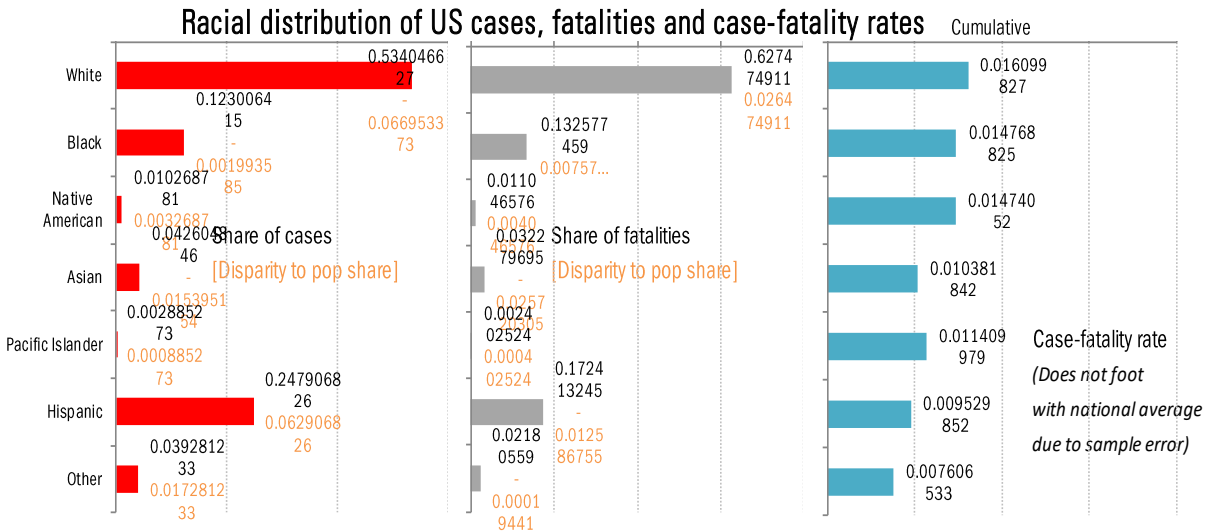
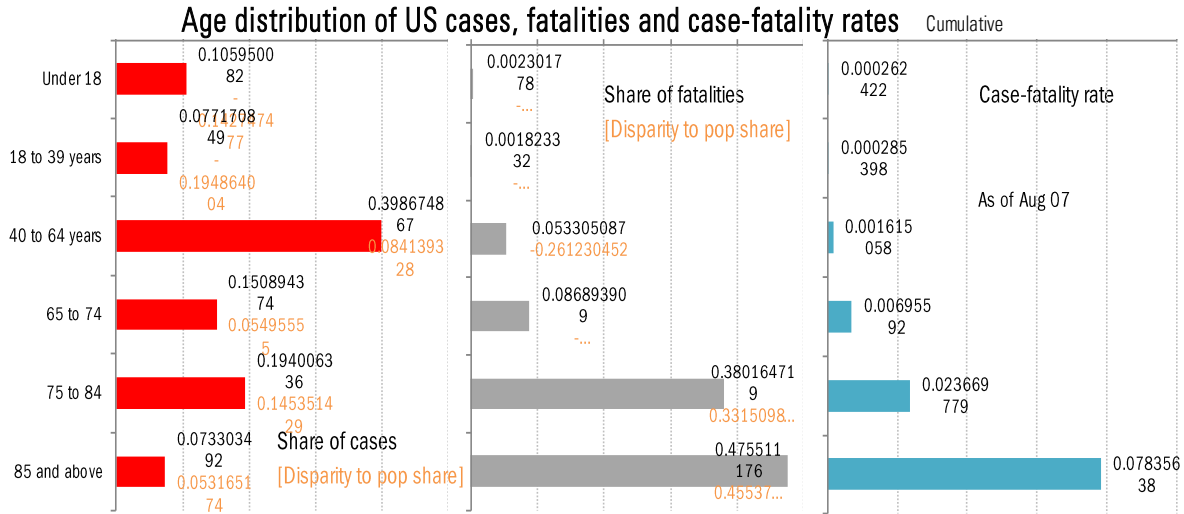
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

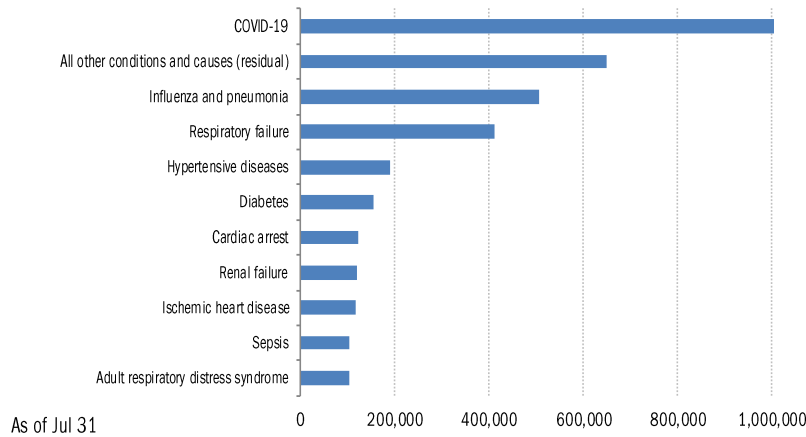


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

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 Omicron BA.5 Wave Is Starting to Ebb. We Need to Know Why.](#)

Faye Flam

*Bloomberg*

August 10, 2022

[Dr. Deborah Birx - who helped shape the US response to Covid - doesn't understand basic epidemiology or how clinical trials work](#)

Alex Berenson

*Unreported Truths*

August 10, 2022

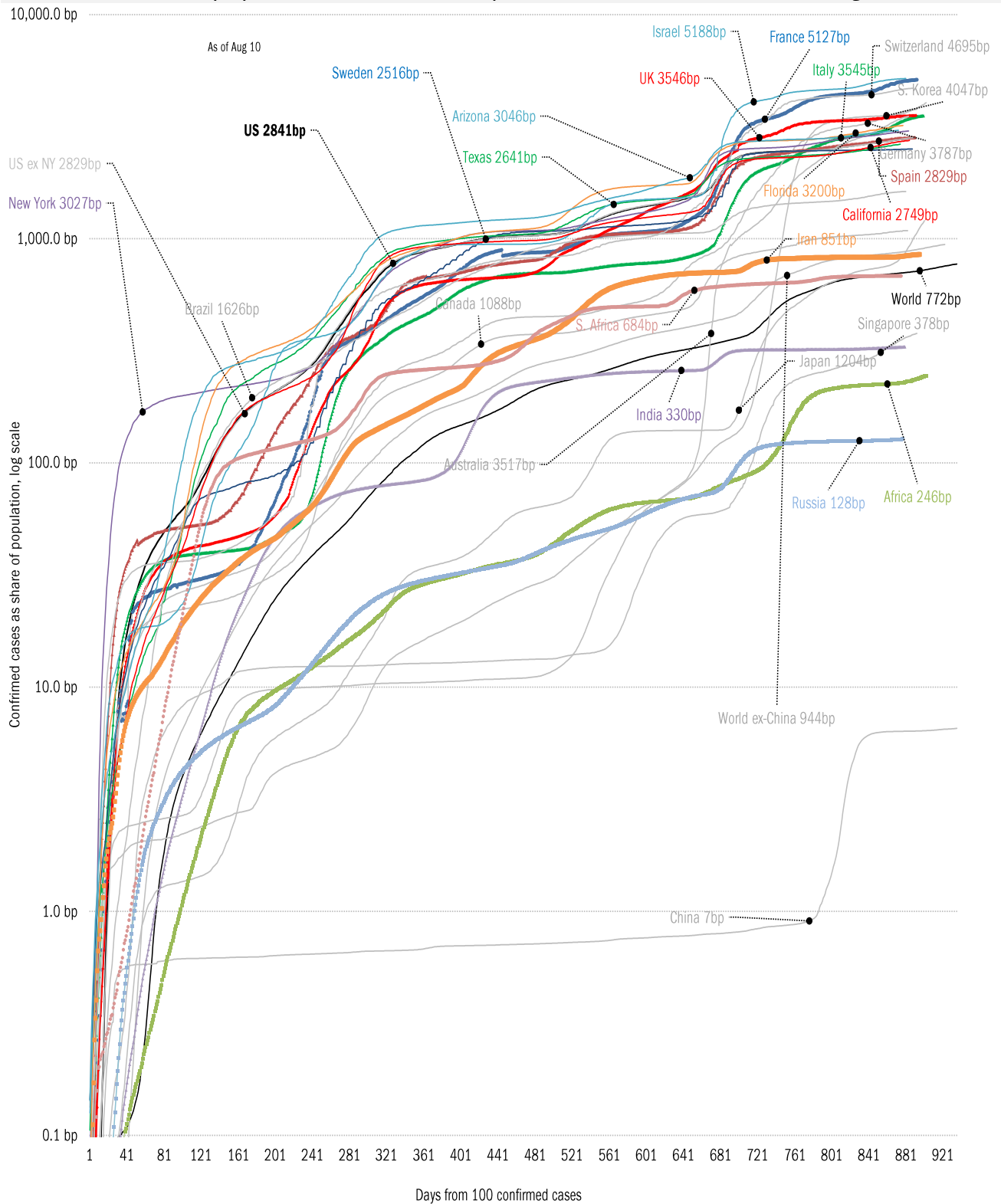
## Meme of the day



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

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

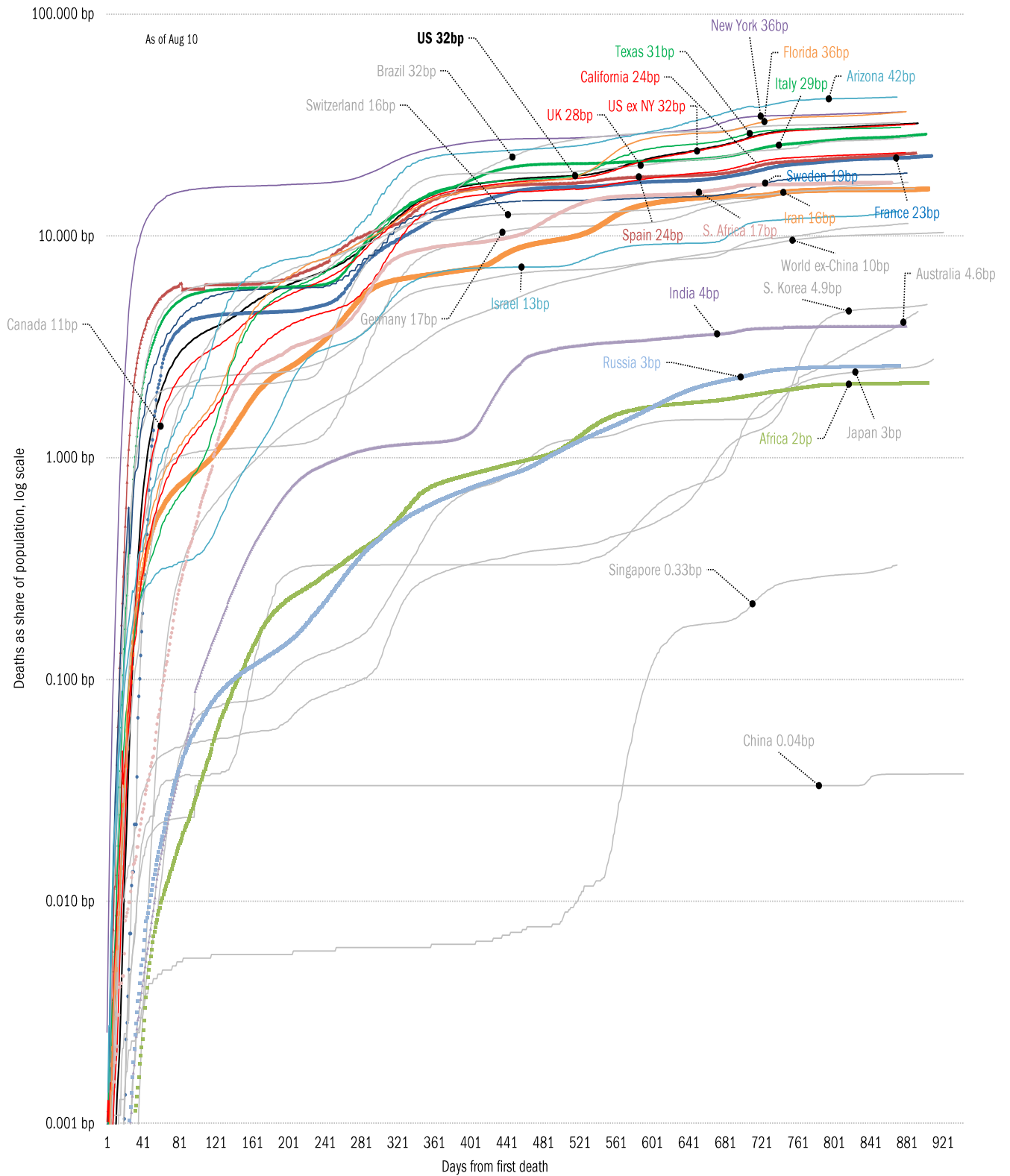
*Share of infected population from first day with 100 confirmed cases, log scale*



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

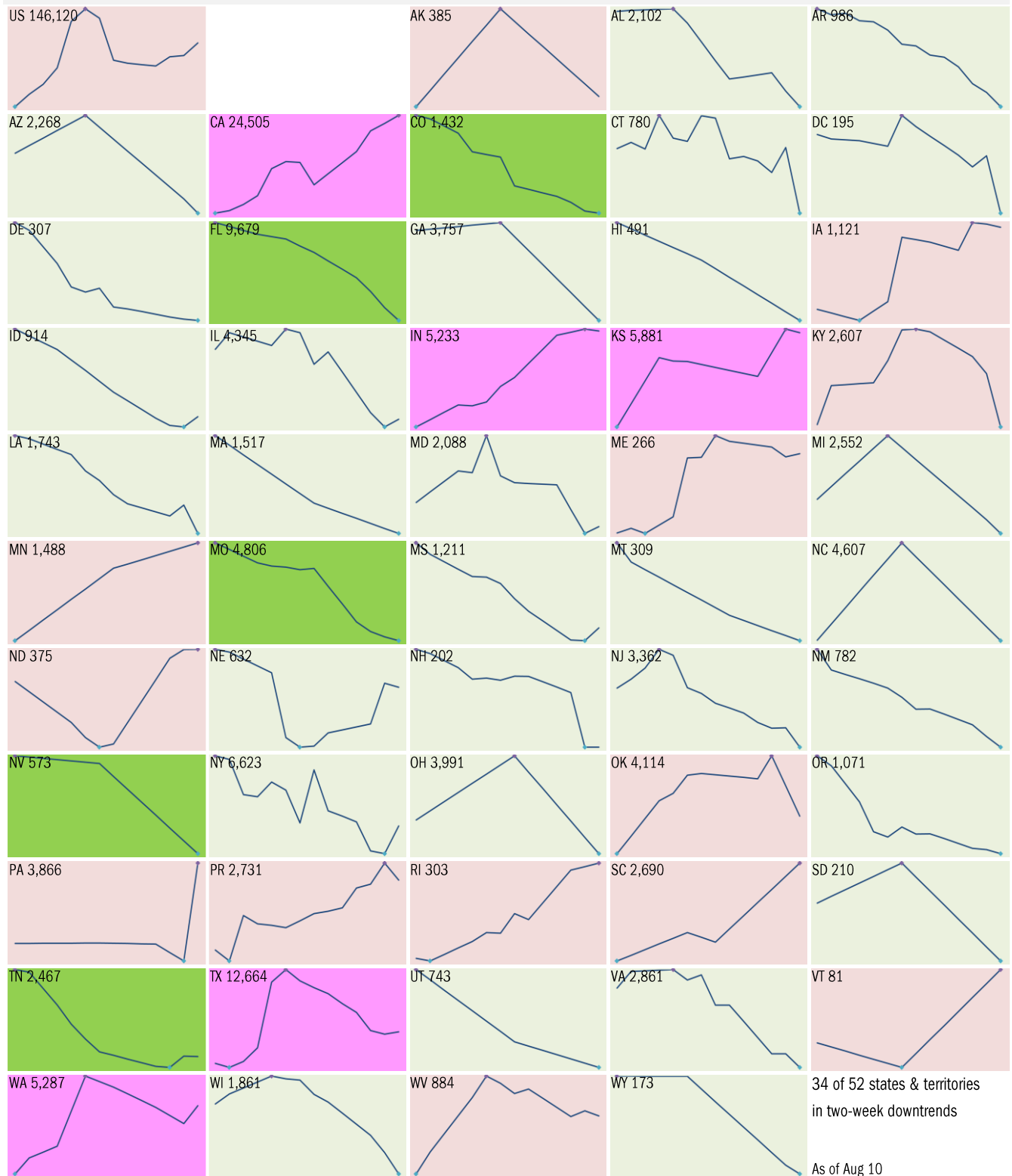


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

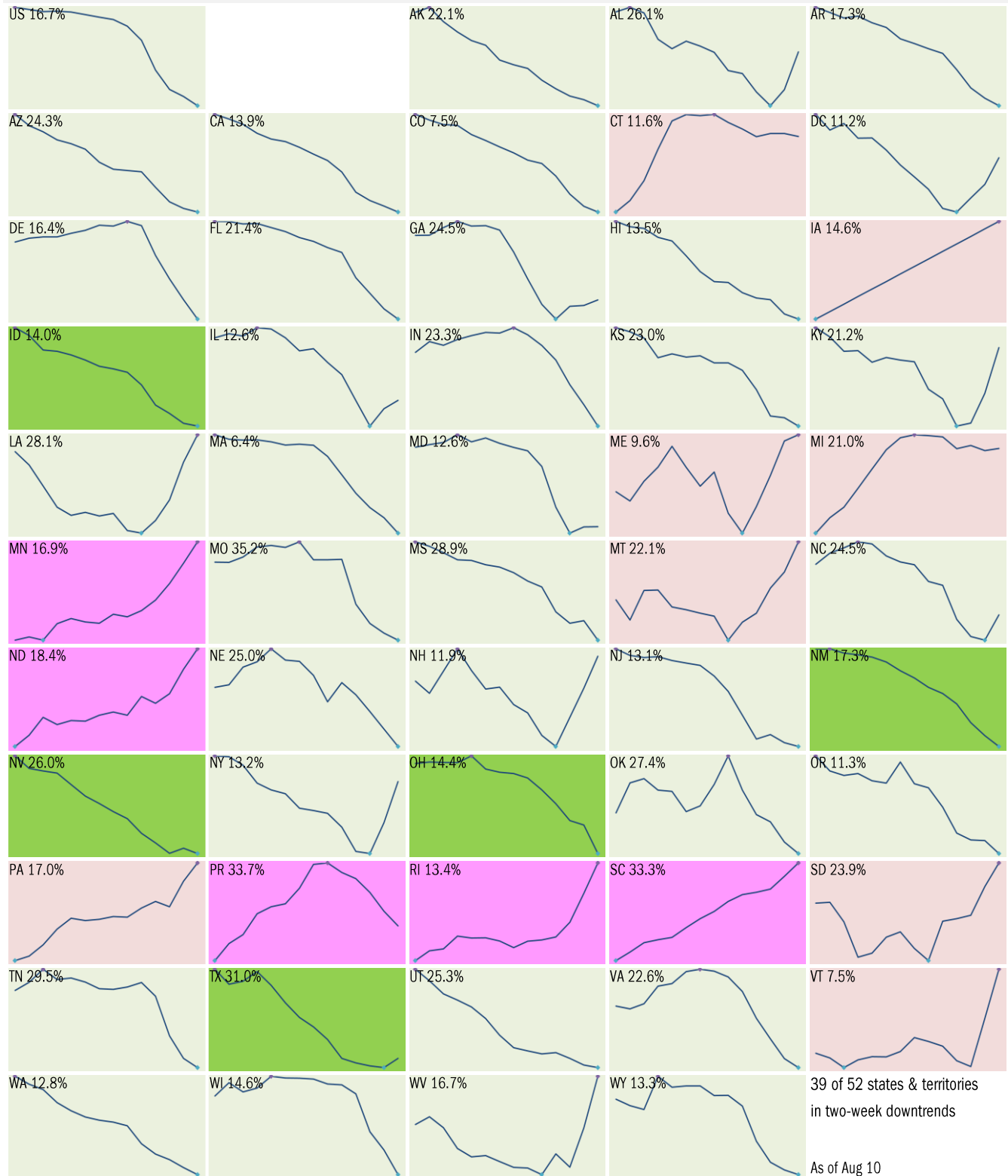


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

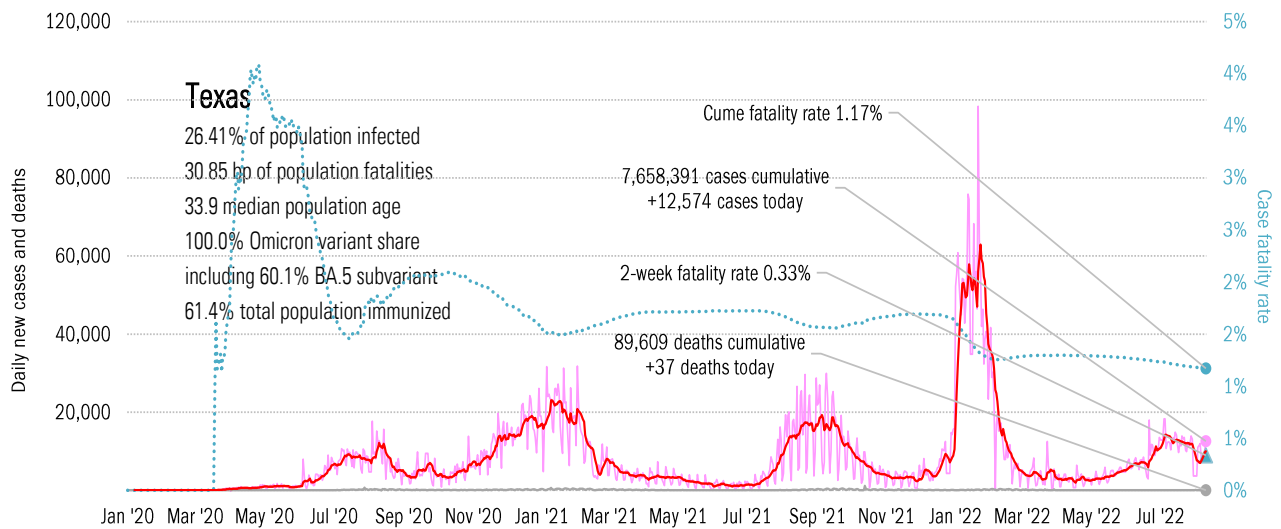
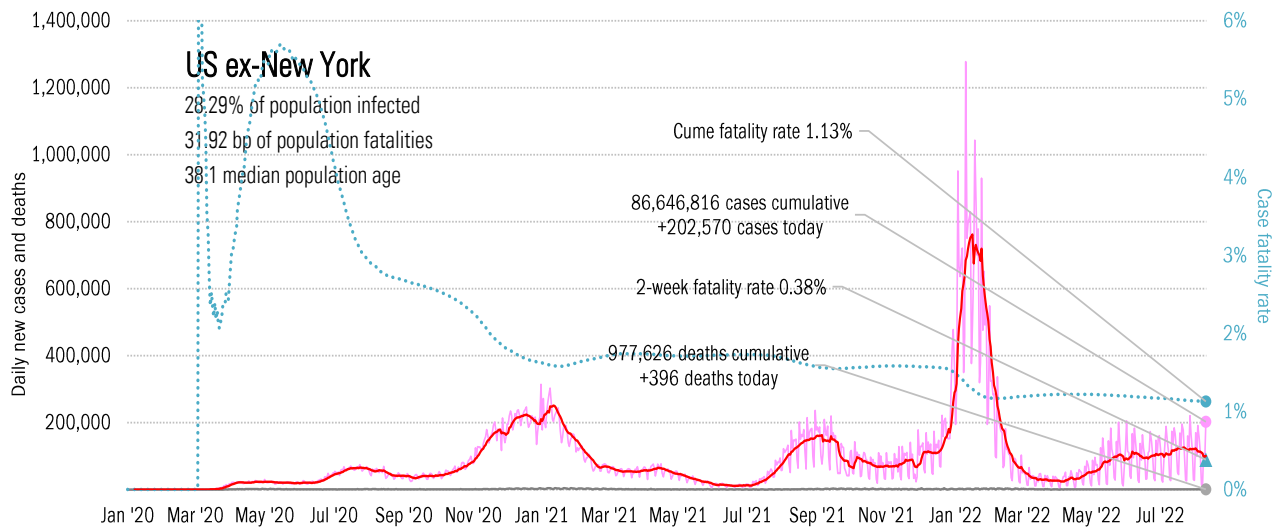
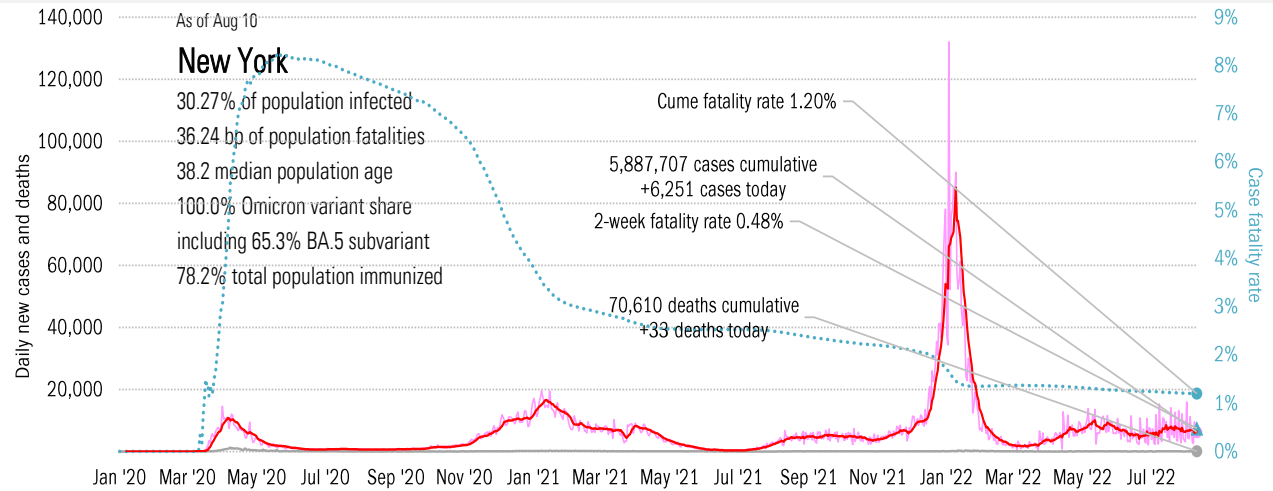
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Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande

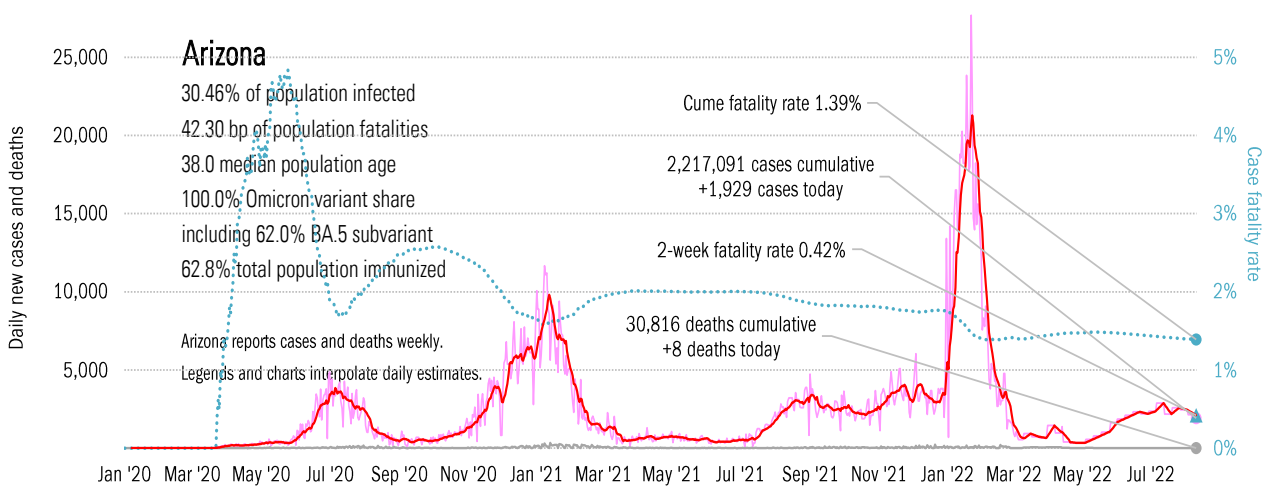
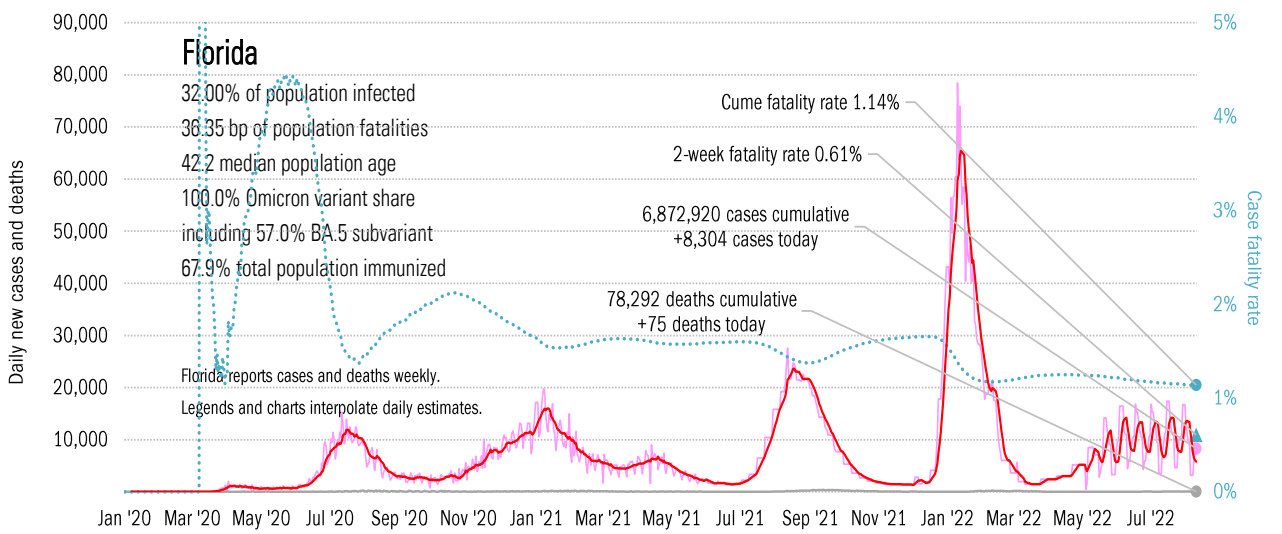
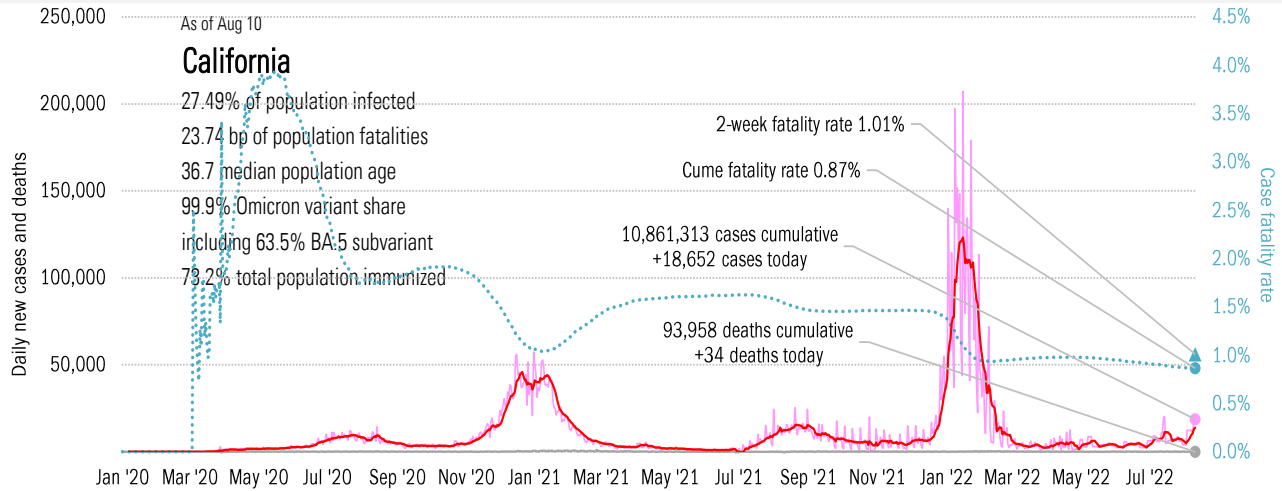
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

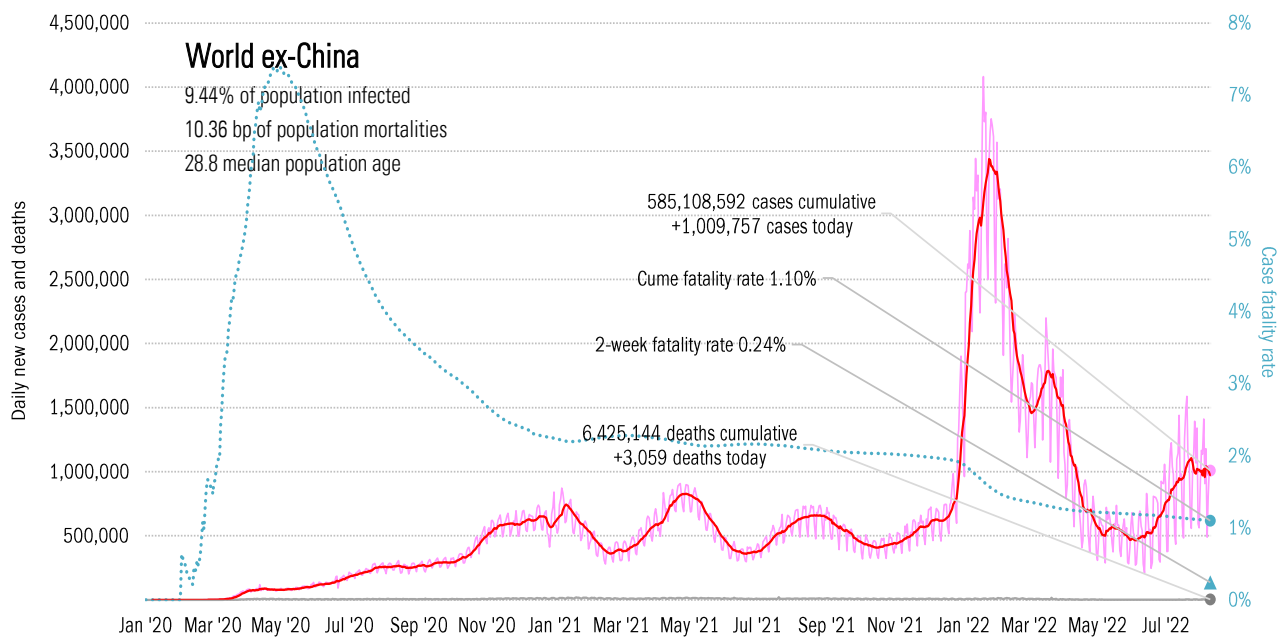
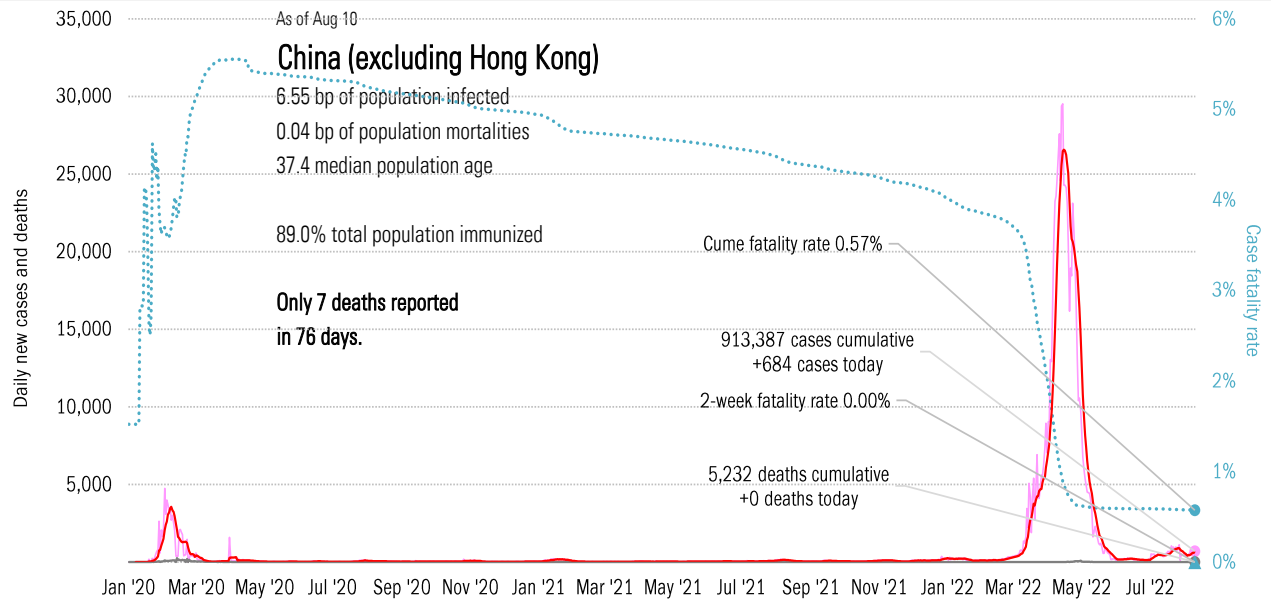


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

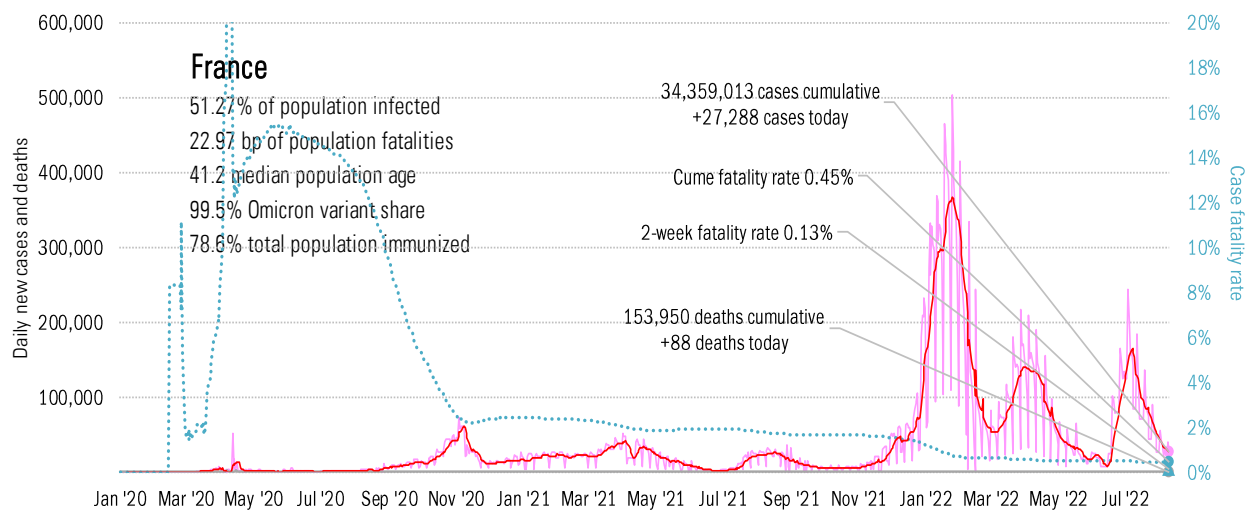
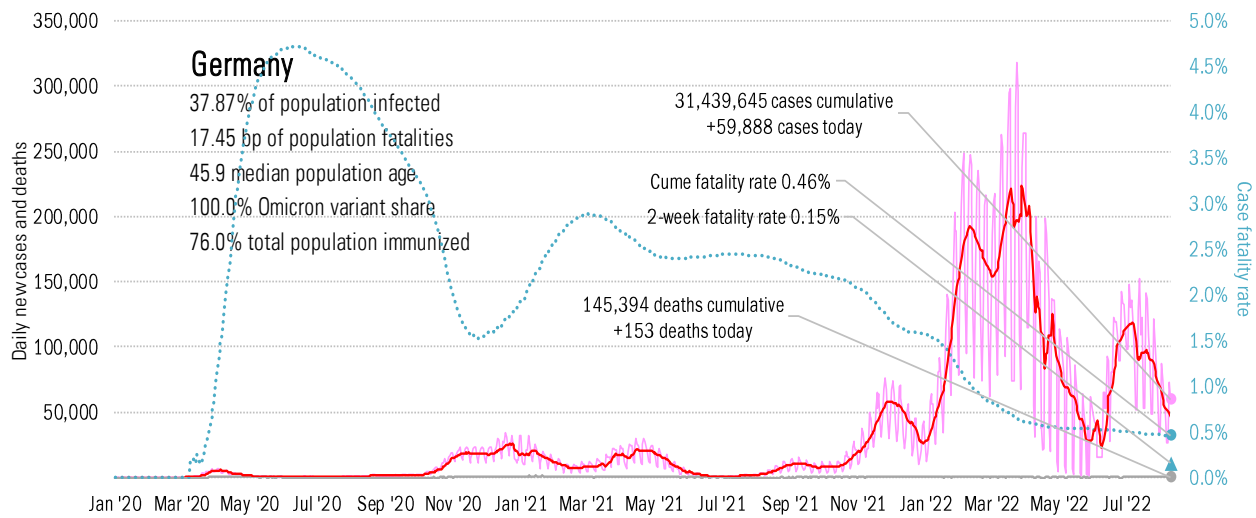
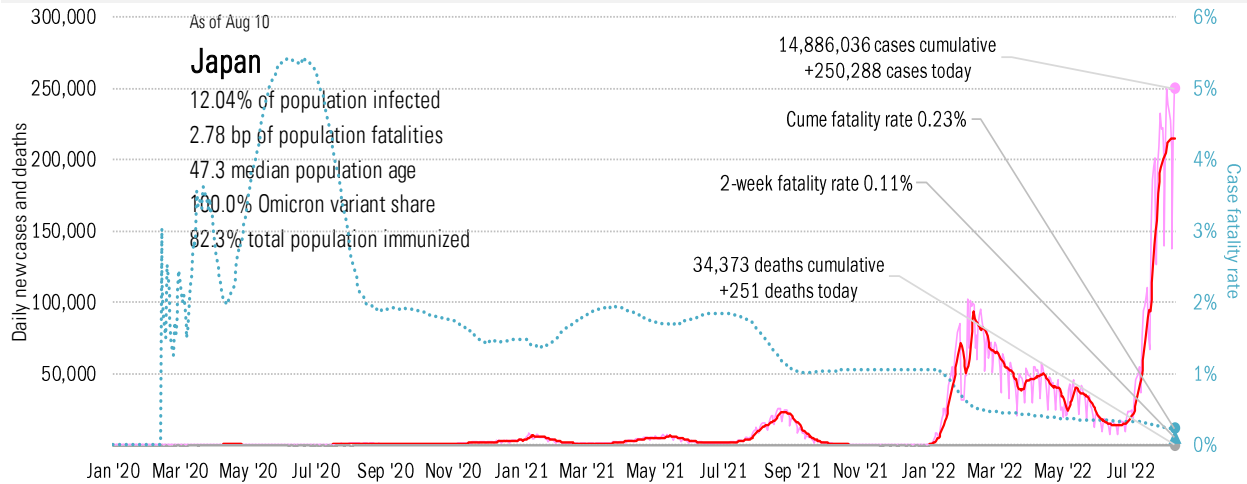
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

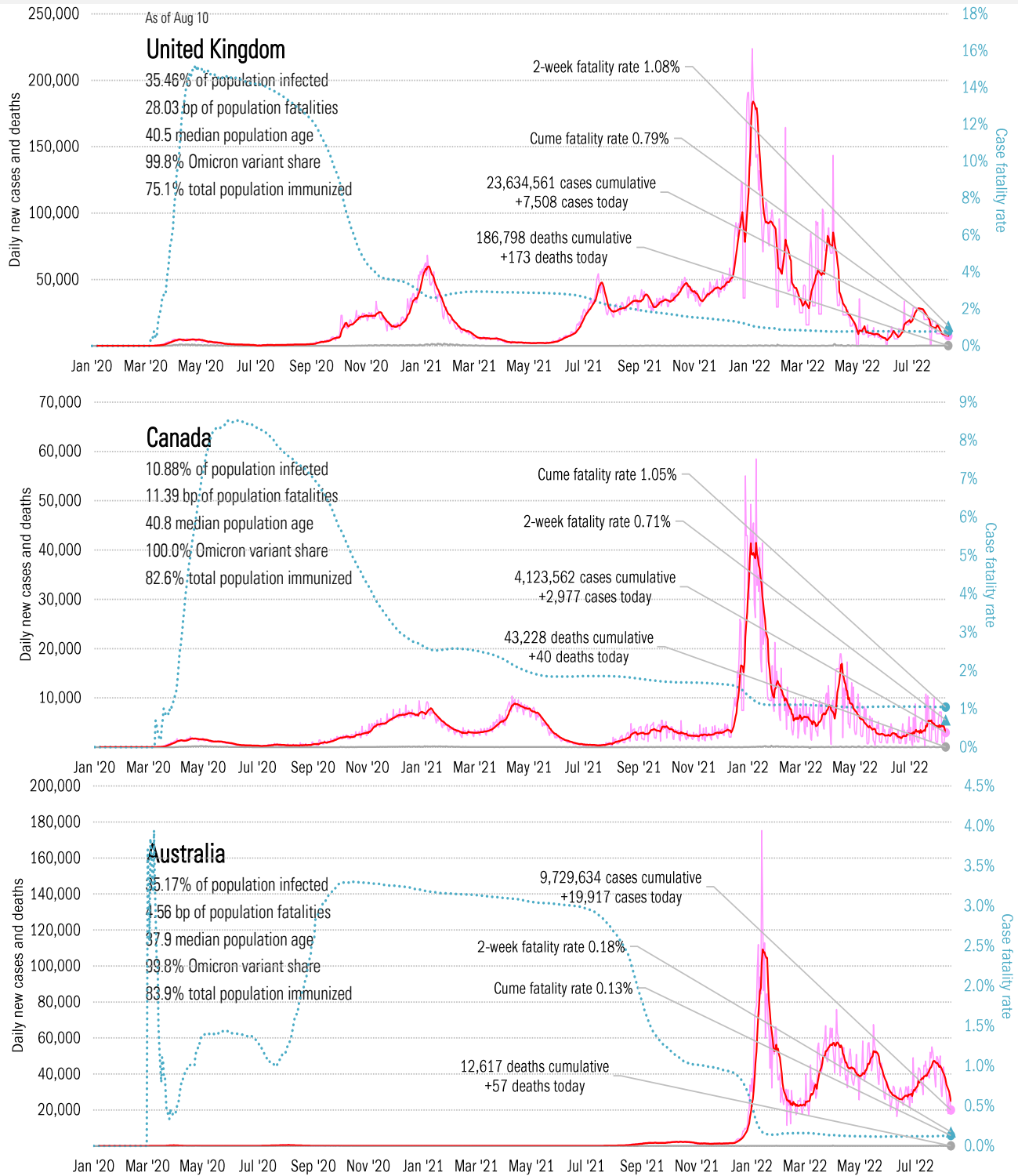
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

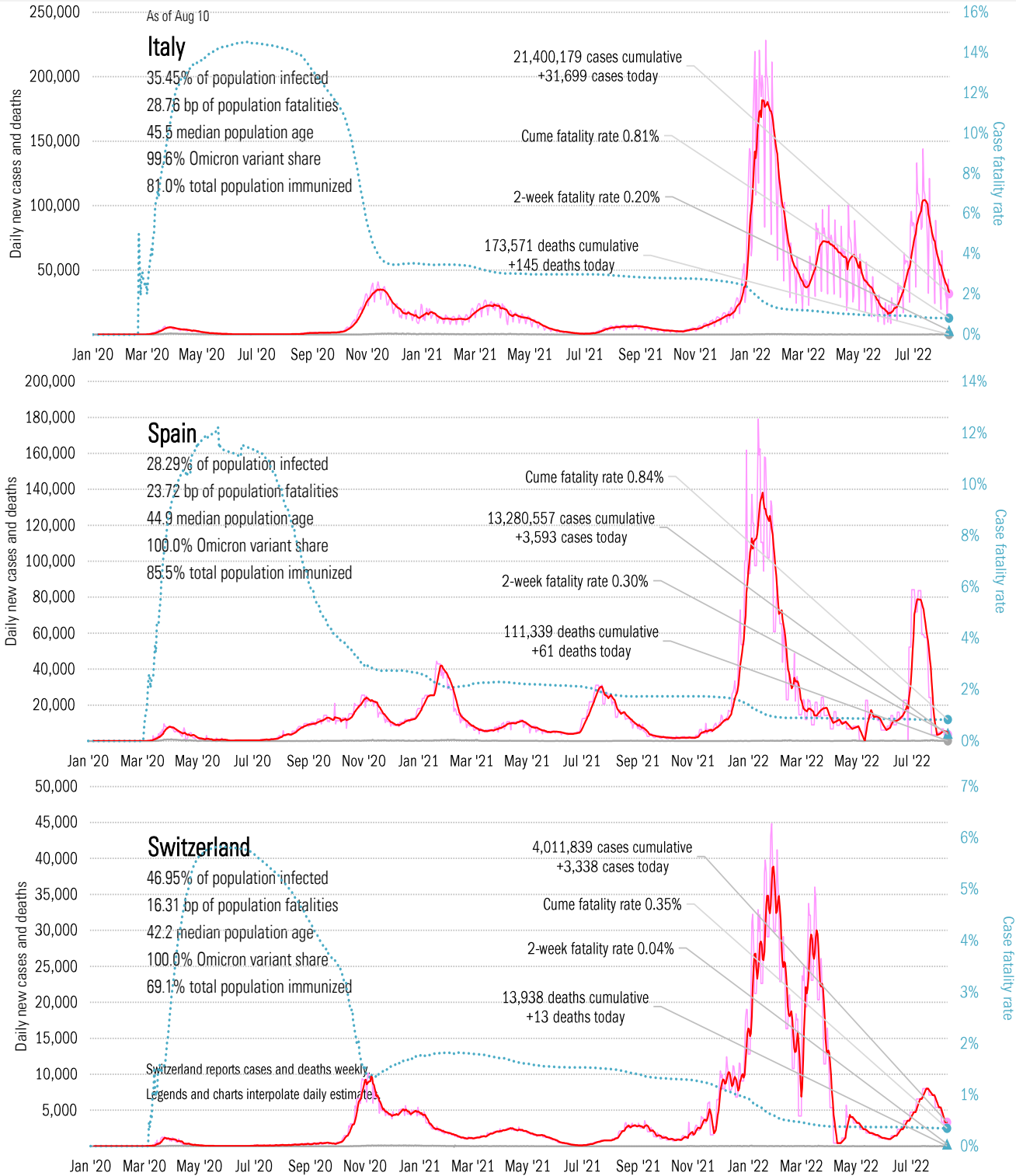
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

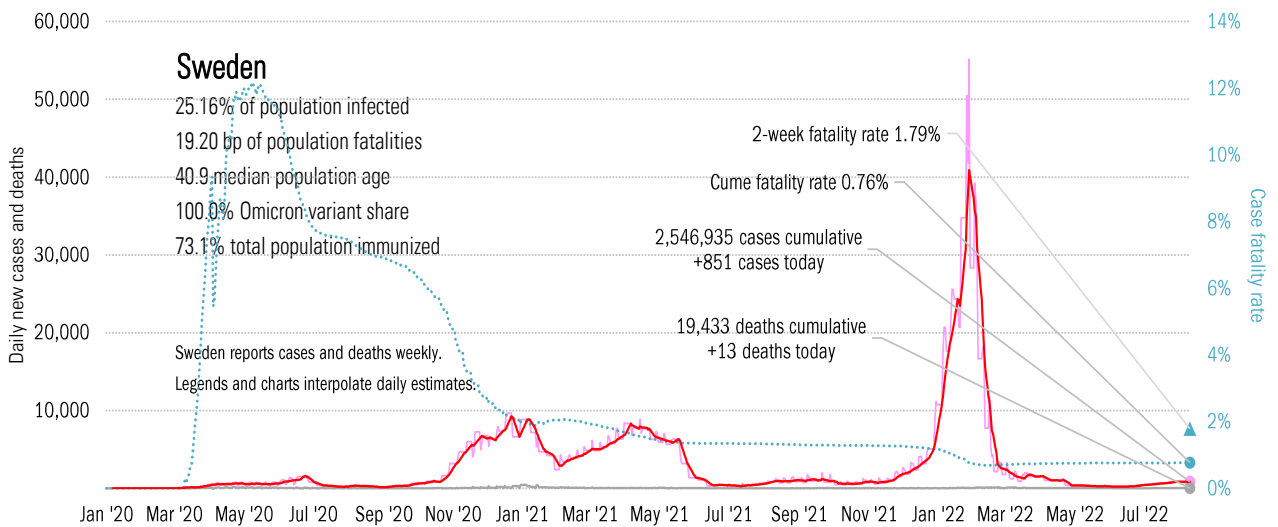
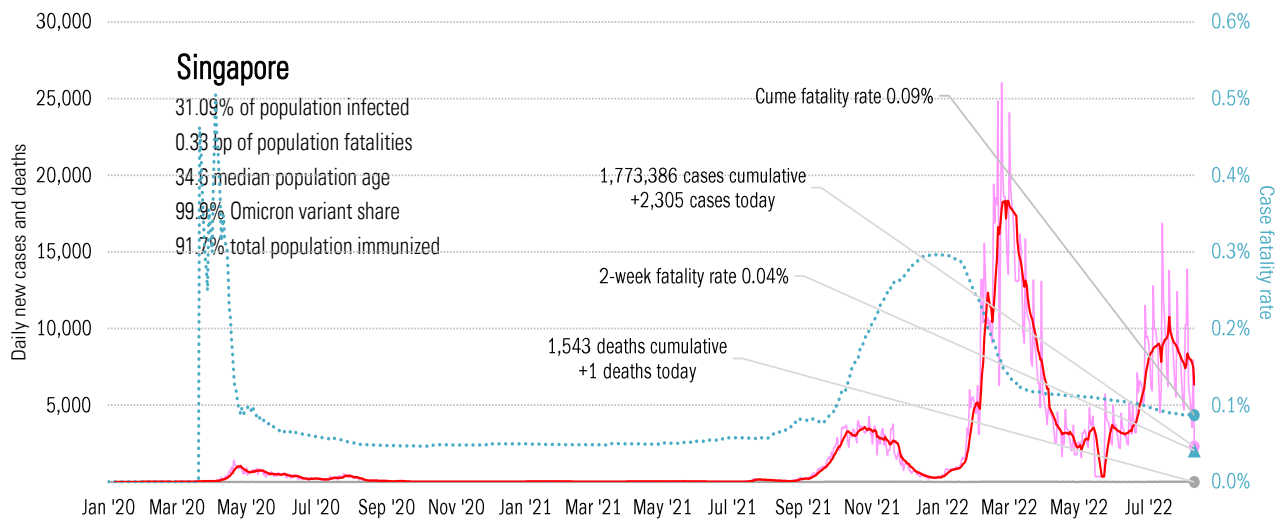
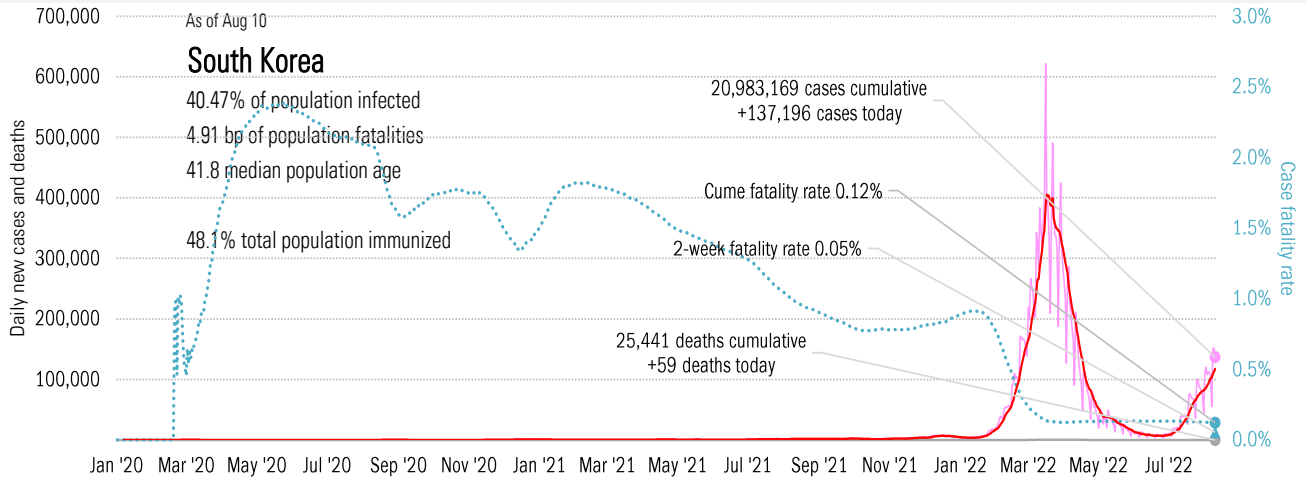
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

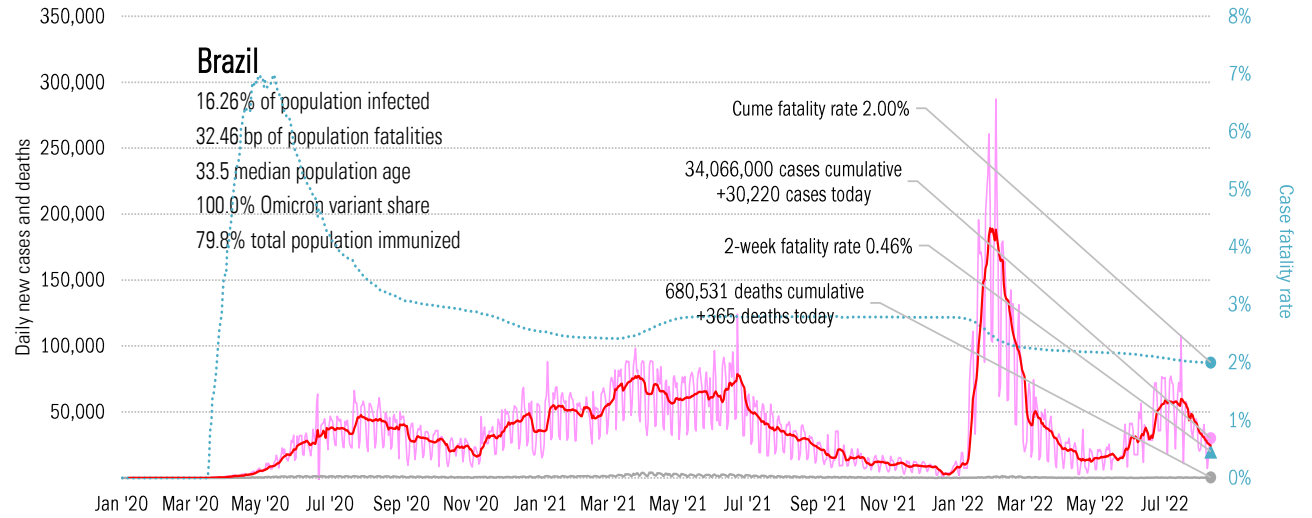
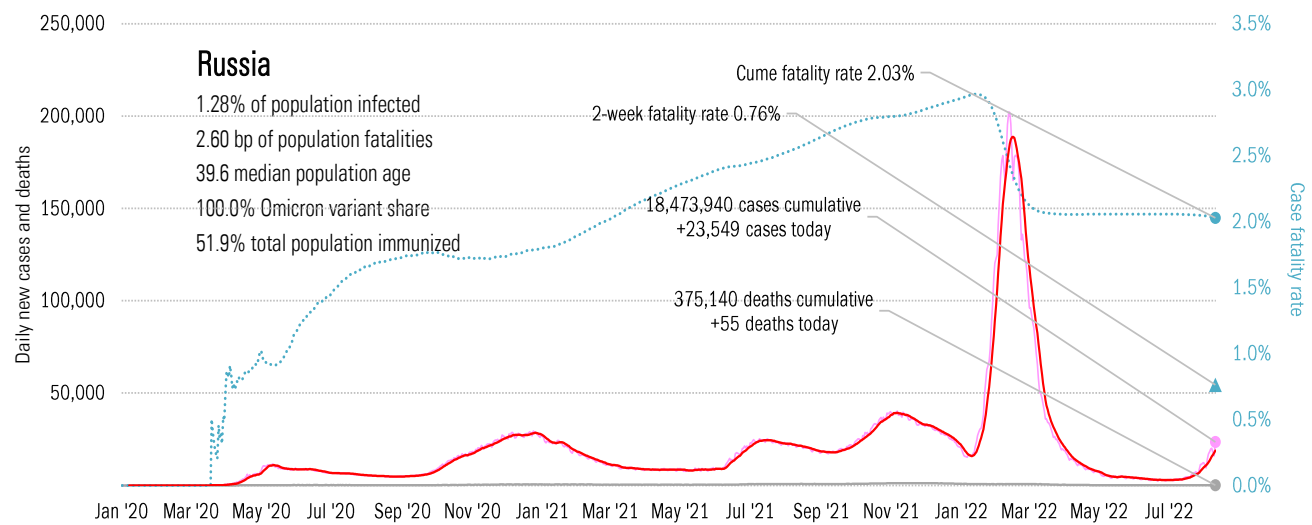
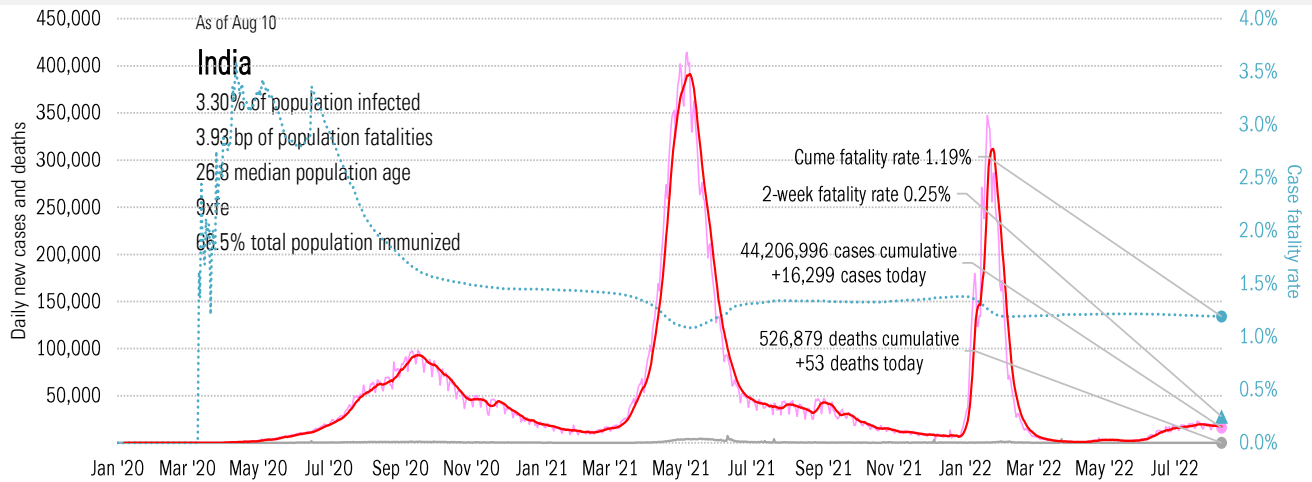
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

Cases: 7-day average and daily Deaths: Daily

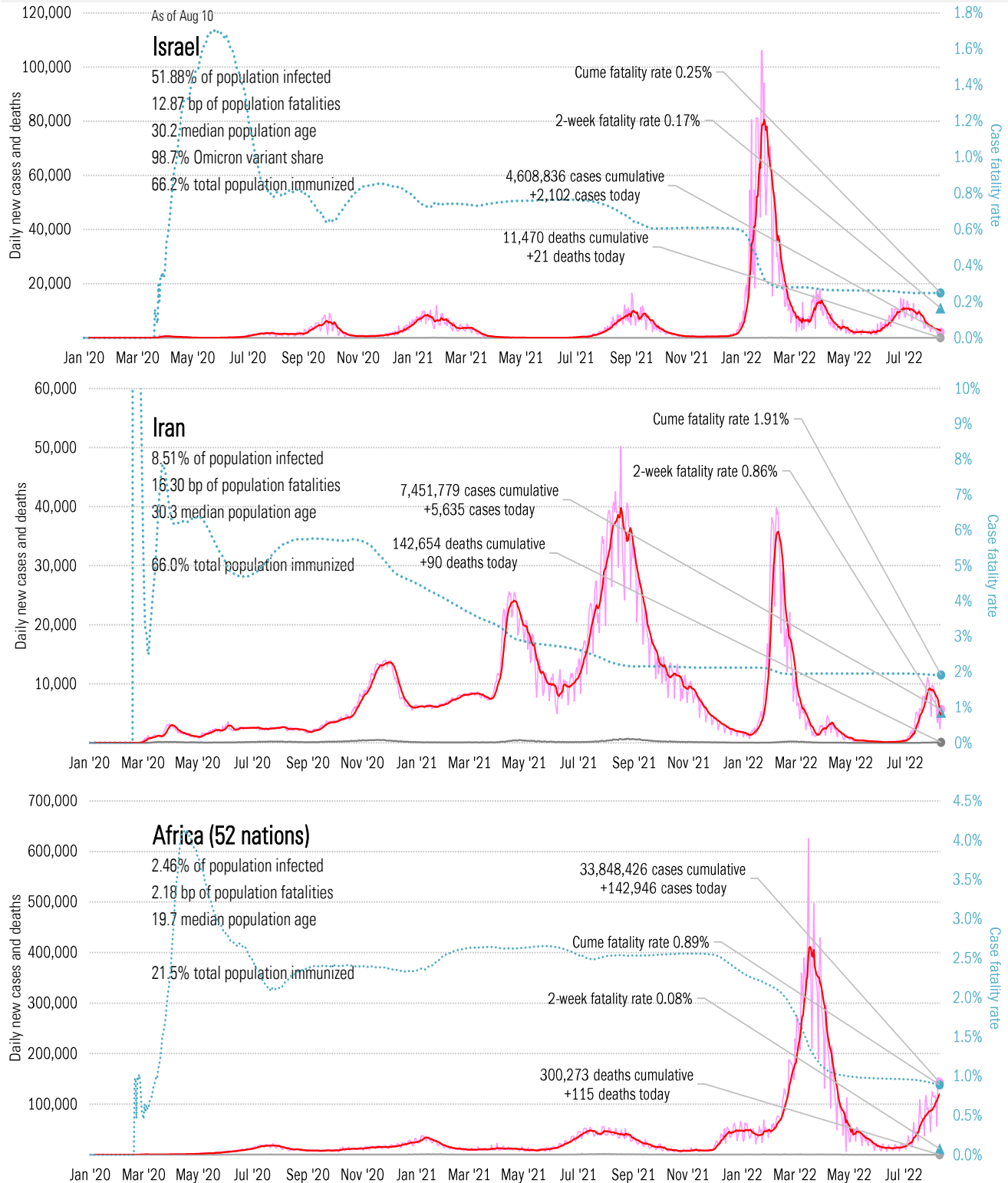


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the Middle East and Africa

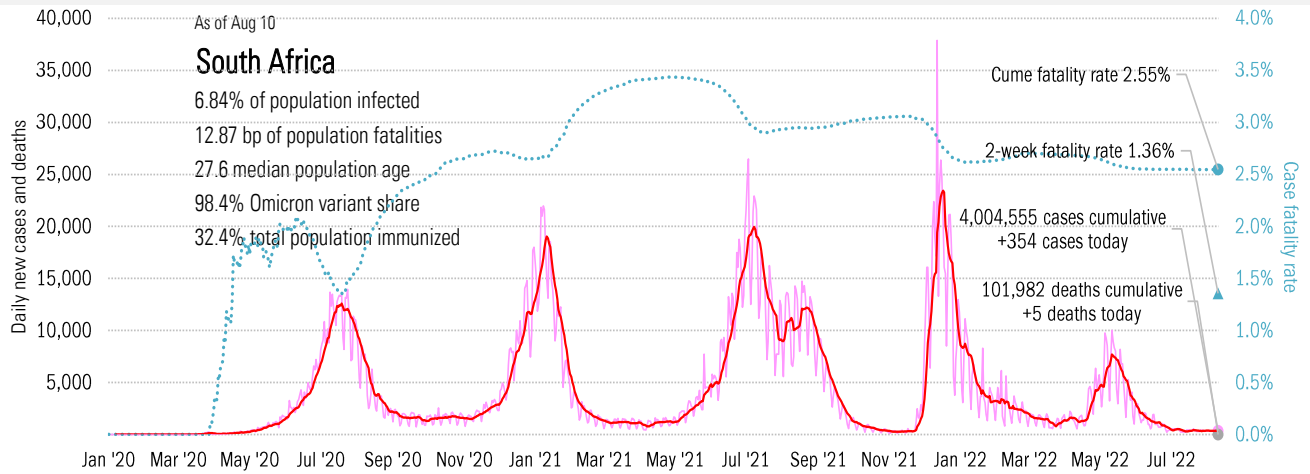
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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