

## Data Insights: Covid-2019 Monitor

Wednesday, August 31, 2022

### The global scorecard

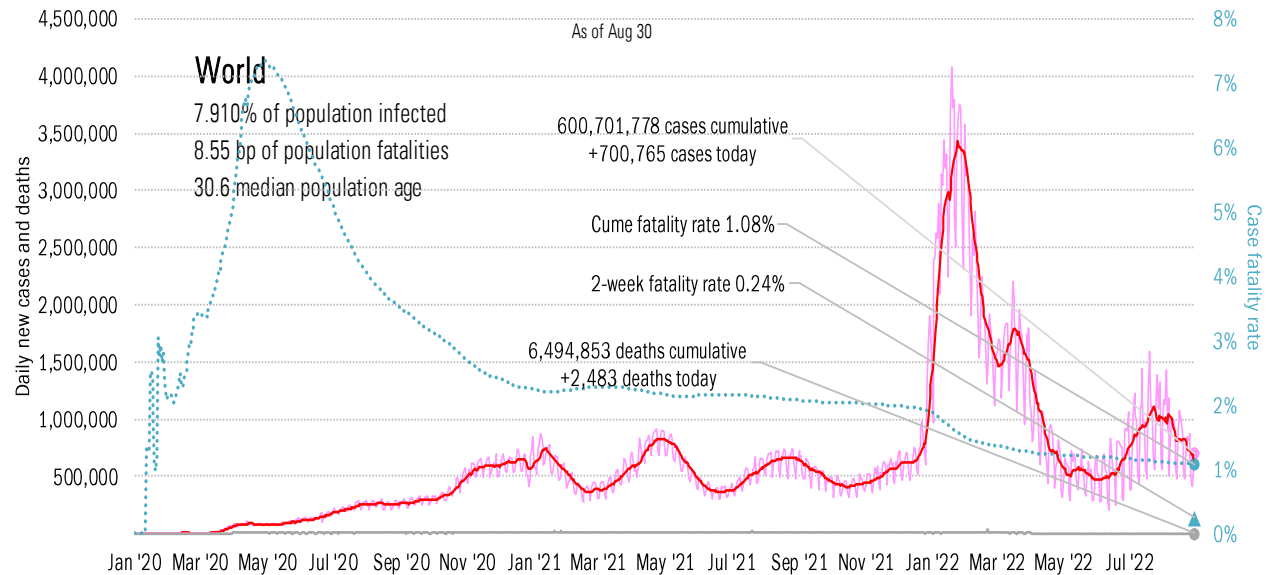
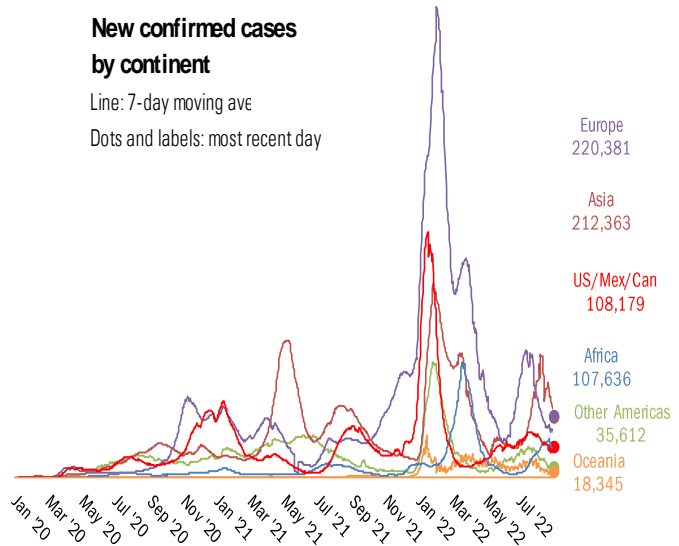
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	152,487	United States	560
United States	114,349	Japan	319
Korea, South	103,919	Brazil	229
Greece	50,802	Greece	217
Russia	36,479	Spain	146
Taiwan*	31,440	Italy	98
Italy	31,087	Russia	92
France	27,686	Korea, South	75
Austria	17,026	France	72
Brazil	16,806	Australia	66
<b>582,081</b>		<b>1,874</b>	
World	700,765	World	2,483
Top ten	83%	Top ten	75%

#### 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

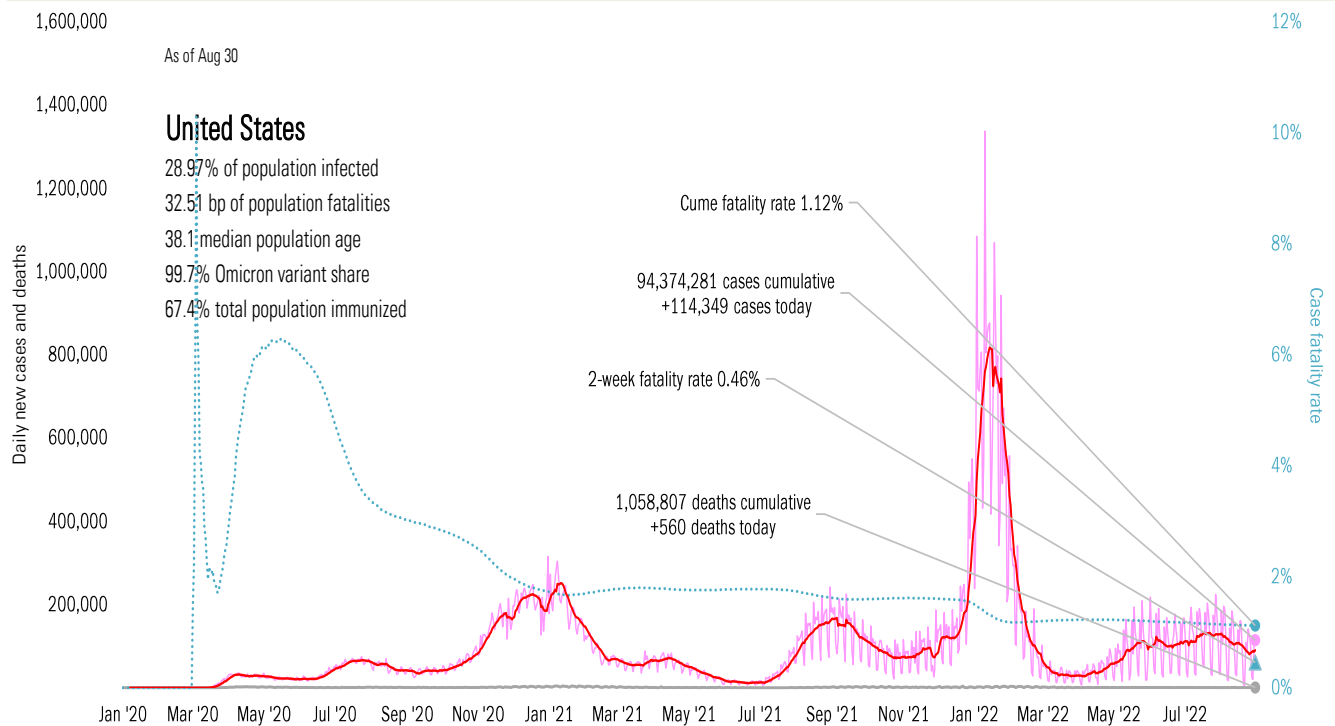
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	16,099		FL	79		MA	101		CA	11,087,642		CA	94,864		TX	535,907		RI	88%	GA	90%
TX	11,261		CT	62		UT	22		TX	7,841,112		TX	90,268		CA	487,816		MA	84%	TX	86%
FL	9,170		TX	44		PA	202		FL	7,033,164		FL	79,765		FL	482,630		WA	83%	NM	85%
MA	8,796		NY	39		WY	9		NY	5,984,464		NY	71,095		NY	290,874		GA	83%	AL	83%
TN	6,033		CA	24		NM	24		IL	3,682,875		PA	46,596		GA	222,063		MN	82%	AK	81%
CA	5,981		GA	23		AZ	60		PA	3,167,638		GA	39,632		CH	212,495		DE	82%	NC	80%
IL	4,685		MO	23		MD	76		NC	3,088,923		CH	39,406		PA	198,439		MO	82%	RI	79%
IN	4,047		MI	19		NE	27		CH	3,049,546		IL	39,310		IL	181,524		AK	80%	OR	78%
NY	3,749		VA	18		SD	18		GA	2,852,706		MI	37,909		MI	158,010		MD	80%	WA	78%
NC	3,423		CK	18		ME	19		MI	2,751,201		NJ	34,545		KY	142,145		ND	80%	DE	78%
73,244			349			558			50,549,271			573,390			2,911,903						
All states	114,349		560			4,473			All states	94,374,281		1,058,807			5,282,801			All states	70%	67%	
Top ten	64%		62%			12%			Top ten	54%		55%			55%			Median	74%	71%	

Some states not reporting

## Five most improved US states

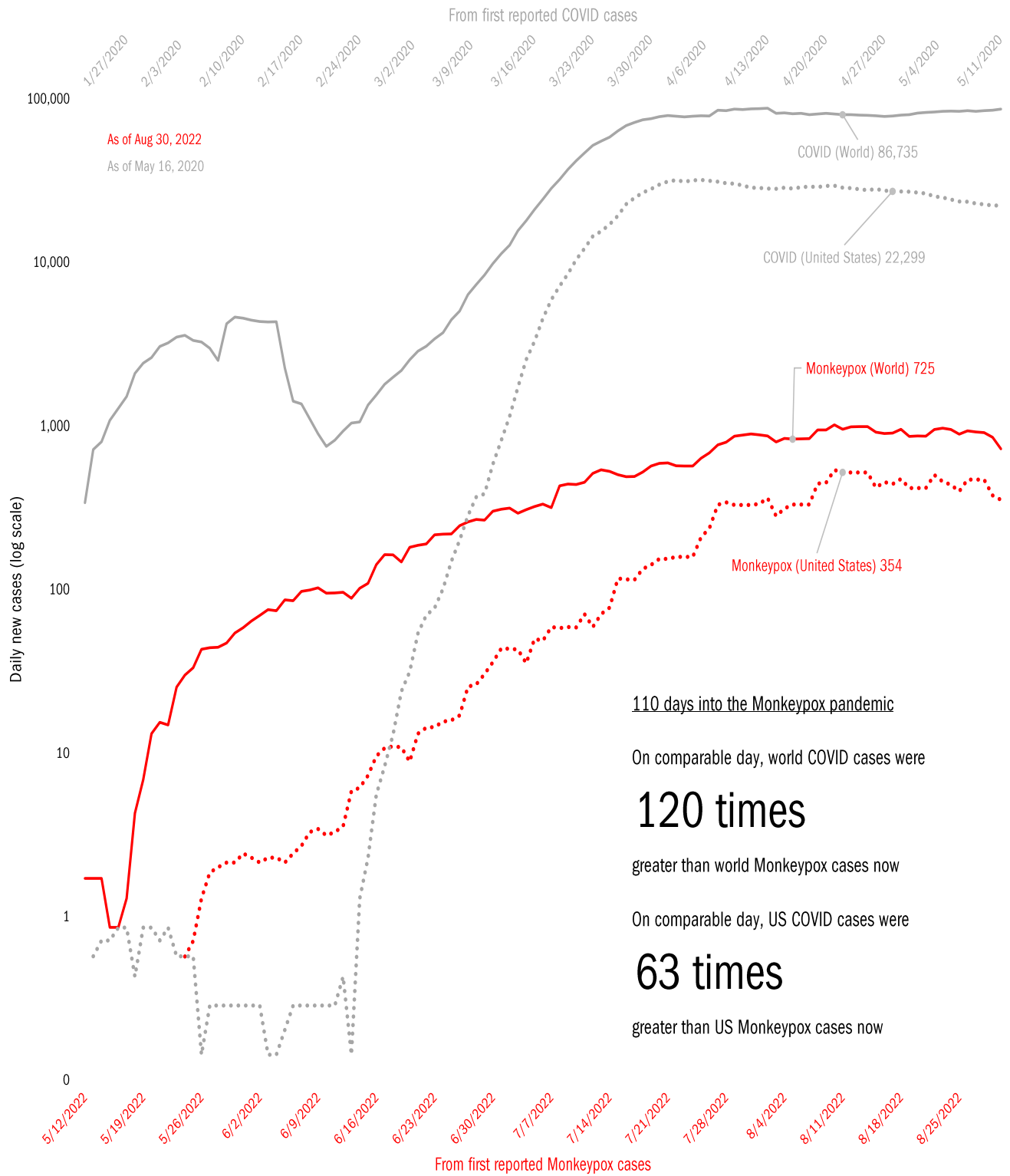
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-3,433	WI	-13	CA	-163
CH	-3,348	NM	-7	FL	-82
ID	-2,596	AR	-5	CH	-77
FL	-979	CA	-4	IL	-61
CK	-209	WV	-3	VA	-46



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# The Monkeypox contextualizer

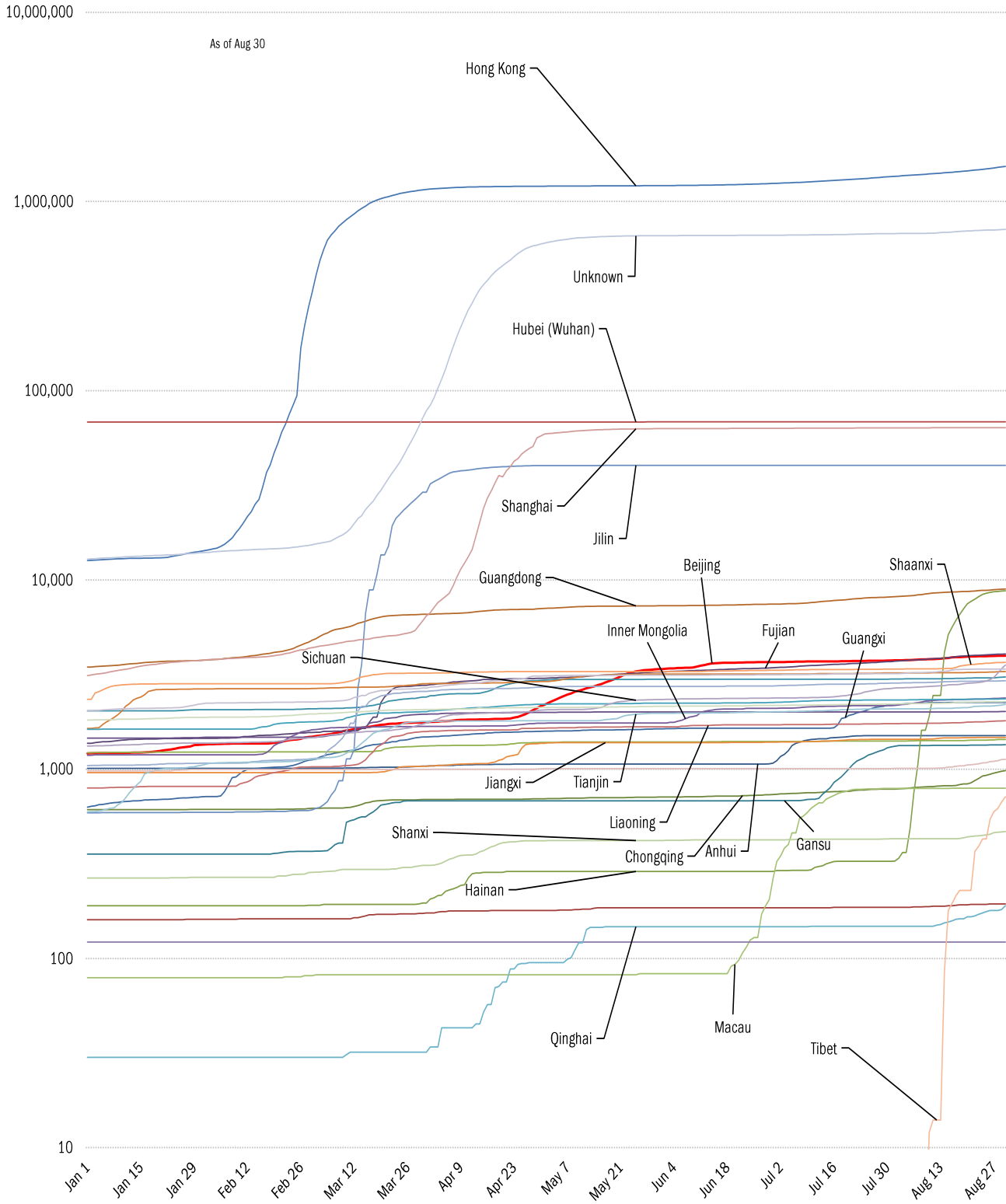
## The course of case growth versus COVID



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

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*

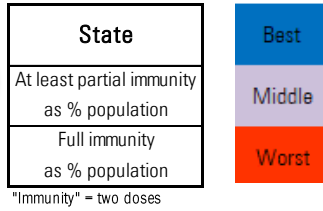
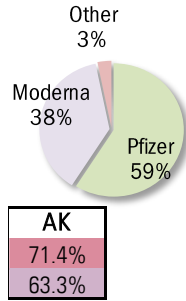


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

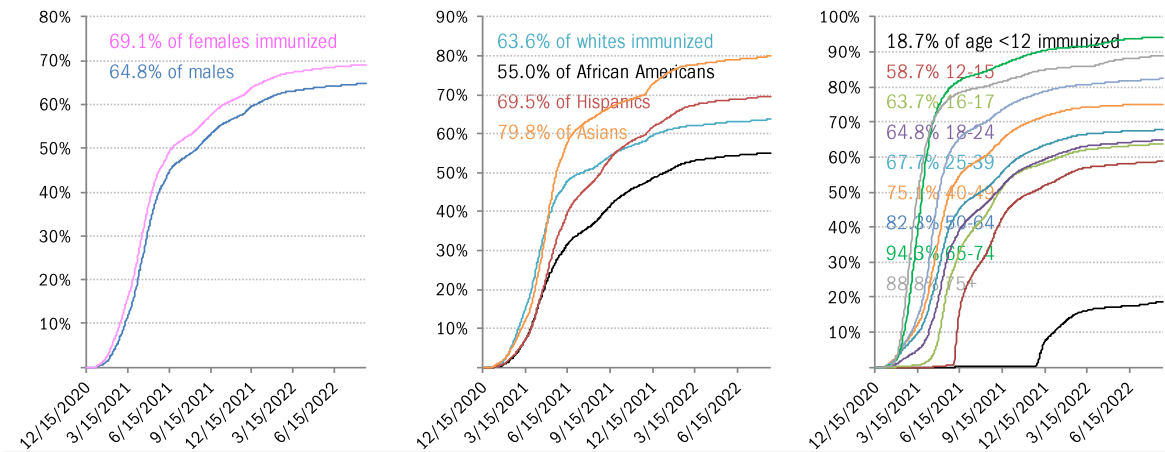
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	624,295,607		+0.198 million	US	67.4%	79.1%
of which boosters	110,660,827		+0.048 million	UK	75.3%	79.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	270,806,258	81%	230,434,360	69%	+0.034 million	France 78.7% 80.9%
Age 12 to 17	18,123,872	72%	15,482,720	61%	+0.003 million	Spain 85.6% 86.9%
Age 18 to 64	180,801,270	89%	153,587,488	76%	+0.015 million	Germany 76.1% 77.6%
Age 65 and over	59,698,554	100%	52,224,169	95%	+0.004 million	Italy 81.0% 85.8%
						Australia 83.9% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 86.3%
						Japan 82.4% 83.5%
						Africa 21.7% 27.6%
						India 66.8% 72.8%
						Brazil 80.0% 87.0%
						China 89.0% 91.3%



As of Aug 25

State	Moderna	Pfizer
AK	71.4%	63.3%
HI	89.4%	79.7%
ME	93.1%	81.2%
NY	91.9%	78.4%
VT	95.0%	82.7%
NH	90.5%	72.3%
MA	95.0%	80.7%
RI	95.0%	84.8%
CT	95.0%	80.7%
DE	85.2%	70.8%
DC	95.0%	78.6%
VA	87.7%	74.5%
MD	88.8%	77.2%
PA	87.4%	70.5%
OH	64.4%	59.3%
IN	63.1%	56.8%
MI	68.0%	61.1%
WI	73.2%	66.6%
IL	77.2%	69.5%
IA	69.1%	62.9%
MN	76.7%	70.3%
ND	66.9%	56.6%
SD	79.1%	63.6%
WY	59.2%	51.8%
NV	76.9%	61.9%
OR	79.3%	70.7%
WA	82.7%	73.7%
MT	66.4%	57.8%
ID	62.4%	55.1%
WV	67.4%	58.6%
KY	67.4%	58.4%
MO	67.6%	57.3%
NE	71.6%	64.7%
CO	81.3%	71.5%
UT	73.6%	65.3%
AZ	75.4%	63.1%
NM	90.3%	72.7%
KS	74.1%	63.3%
AR	68.1%	55.5%
TN	63.3%	55.4%
NC	87.2%	63.4%
SC	69.3%	58.3%
GA	66.9%	56.0%
AL	63.9%	52.1%
MS	60.8%	52.9%
LA	62.0%	54.3%
OK	72.6%	58.6%
TX	74.4%	61.6%
FL	80.8%	68.1%
PR	95.0%	84.3%

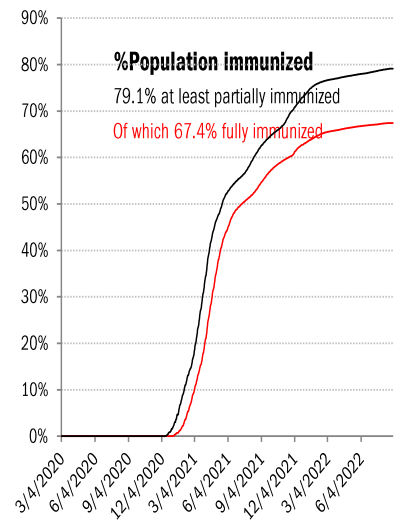
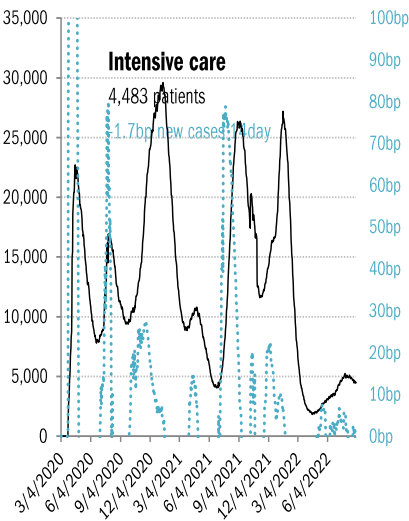
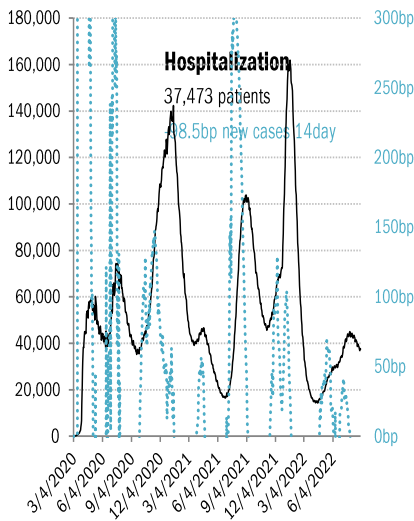
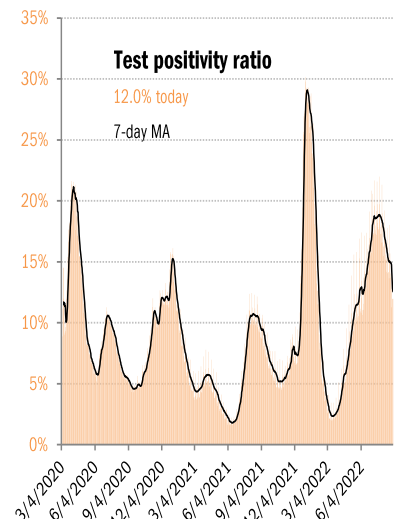
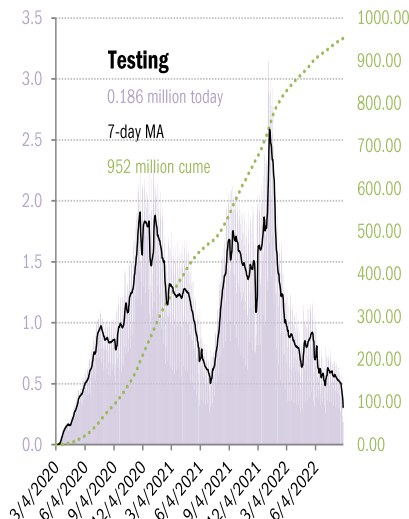
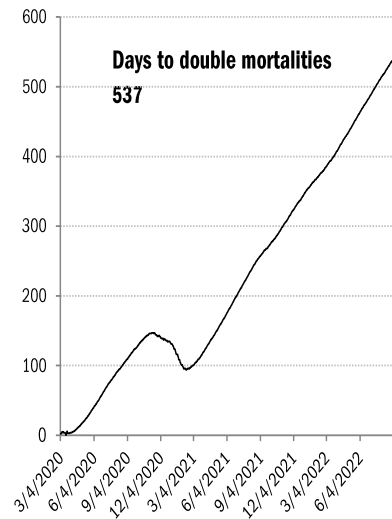
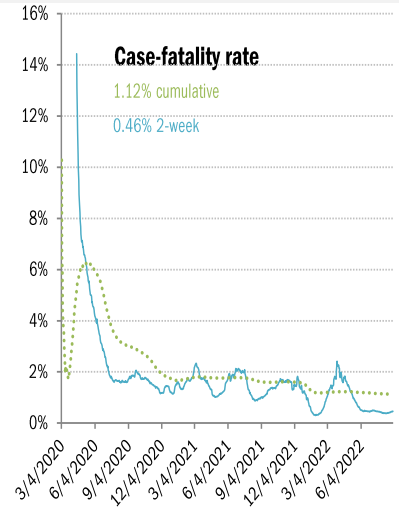
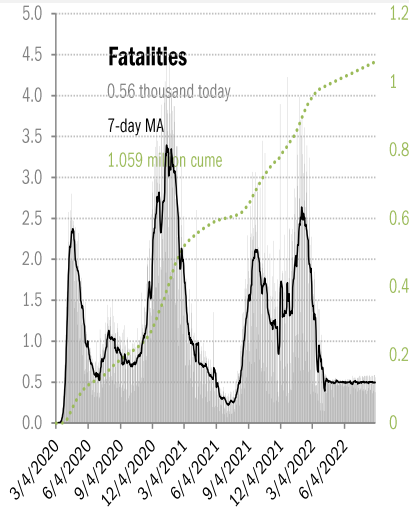
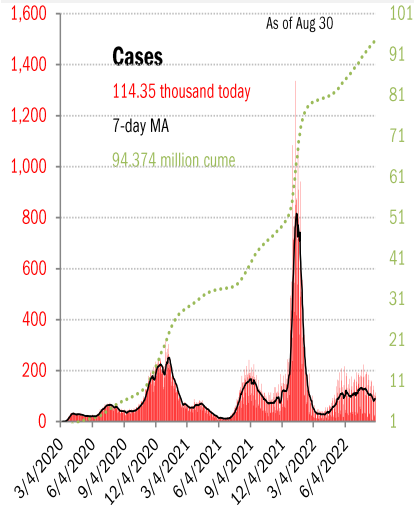
## The demographics of US vaccination



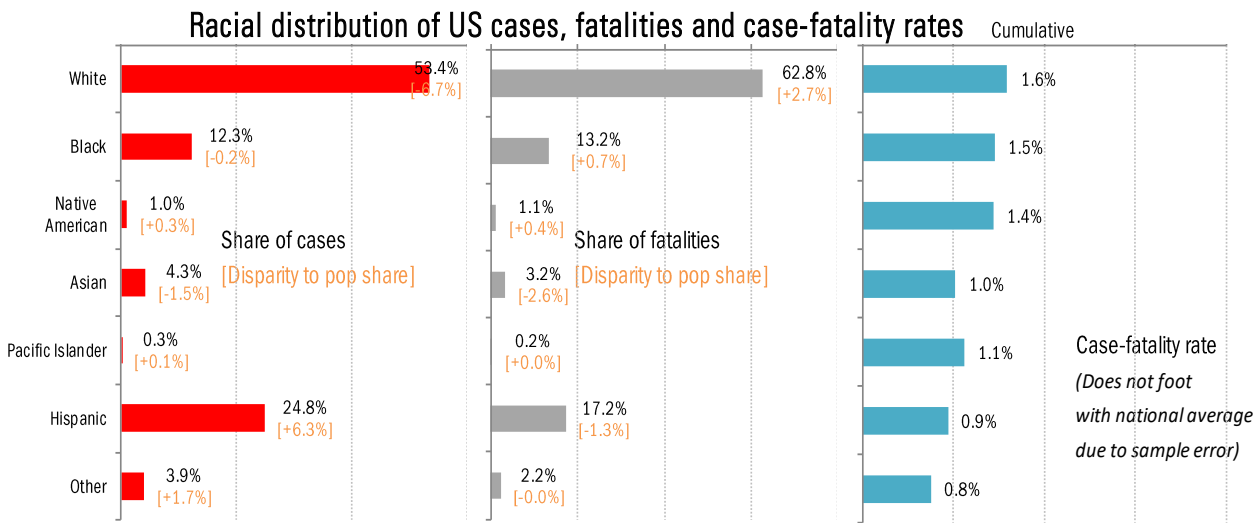
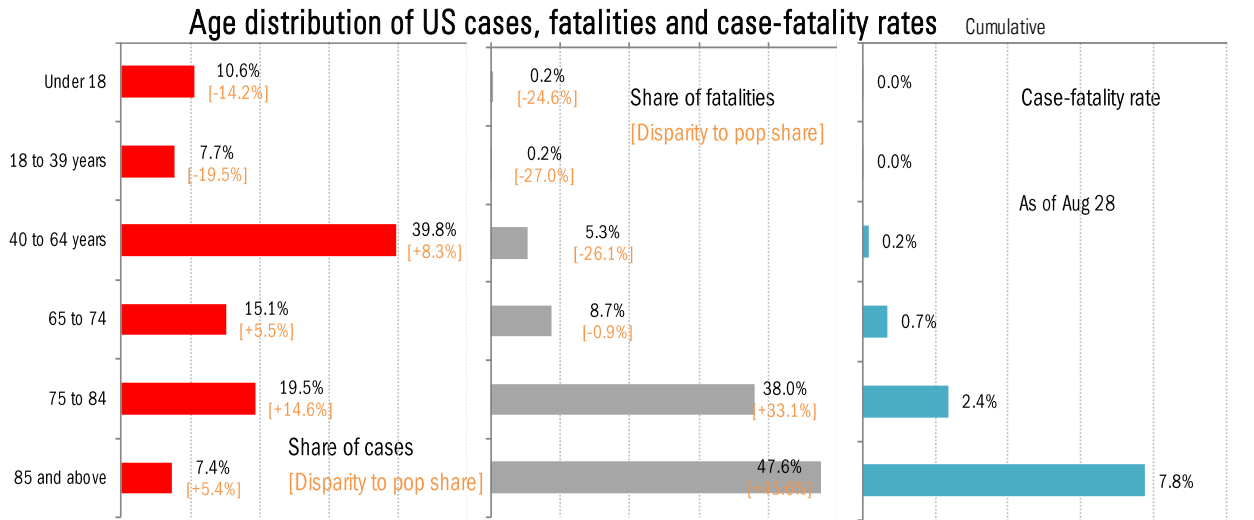
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

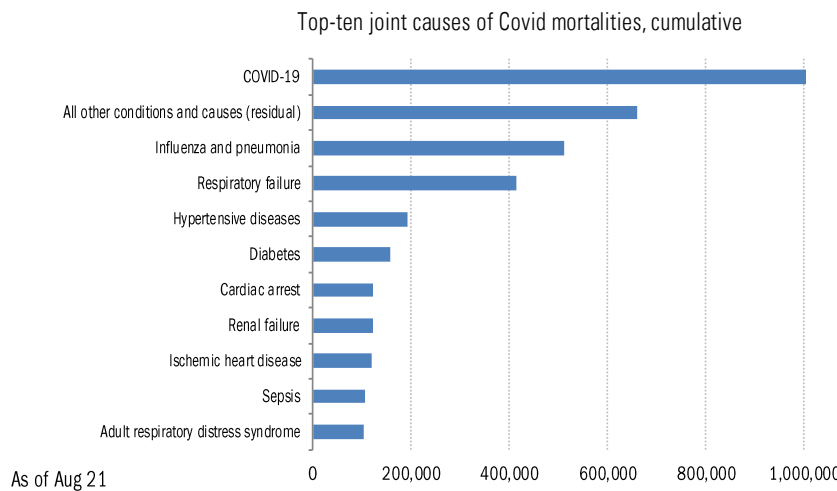
National and state-by-state data do not line up because of different sources



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

[Mikhail Gorbachev, Reformer of Soviet Union and Its Last Leader, Dies at 91](#)

Ann M. Simmons  
*Wall Street Journal*  
August 30, 2022

[Finding the Best Teachers for Post-Pandemic Schools](#)

Eric Hanushek  
*Wall Street Journal*  
August 26, 2022

[Goldman Sachs lifts all COVID protocols, orders staff to return to office full-time](#)

Lydia Moynihan  
*New York Post*  
August 30, 2022

[Hochul calls remote learning a 'mistake' that took heavy toll on working women](#)

Maki Becker  
*The Buffalo News*  
August 26, 2022

## Meme of the day

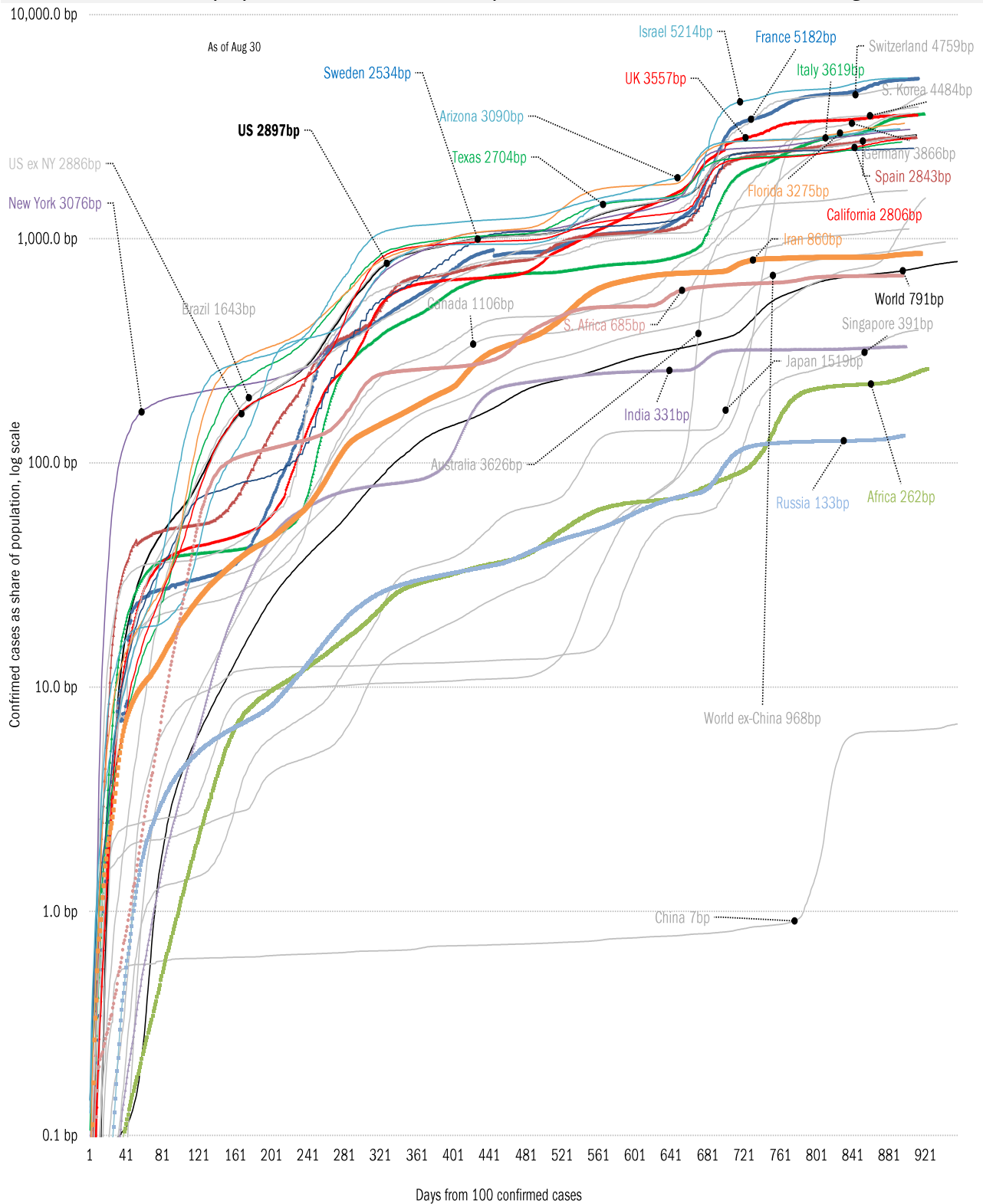


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



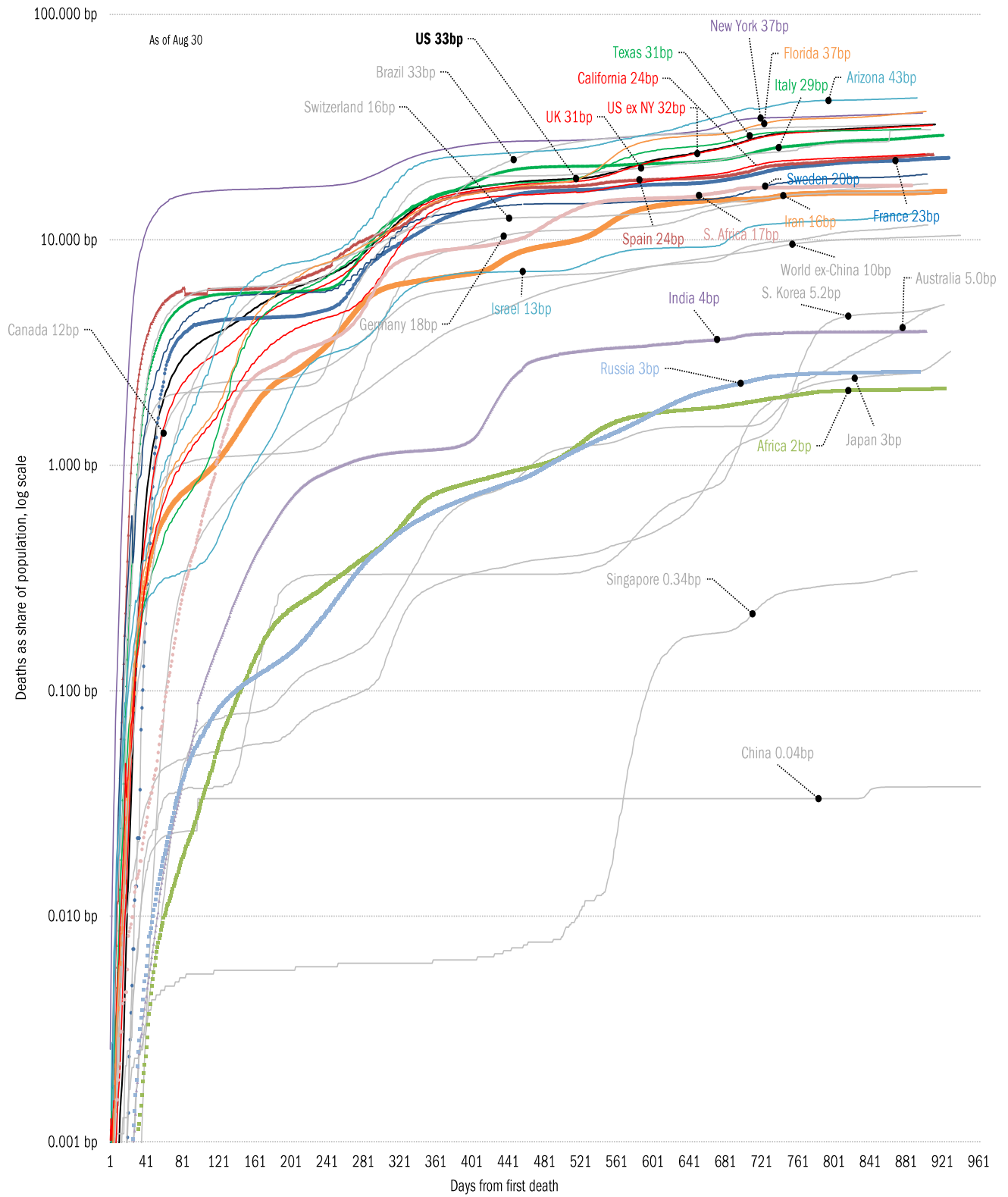
# The global coronavirus case accelerometer... tracking the world's infection curves

*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

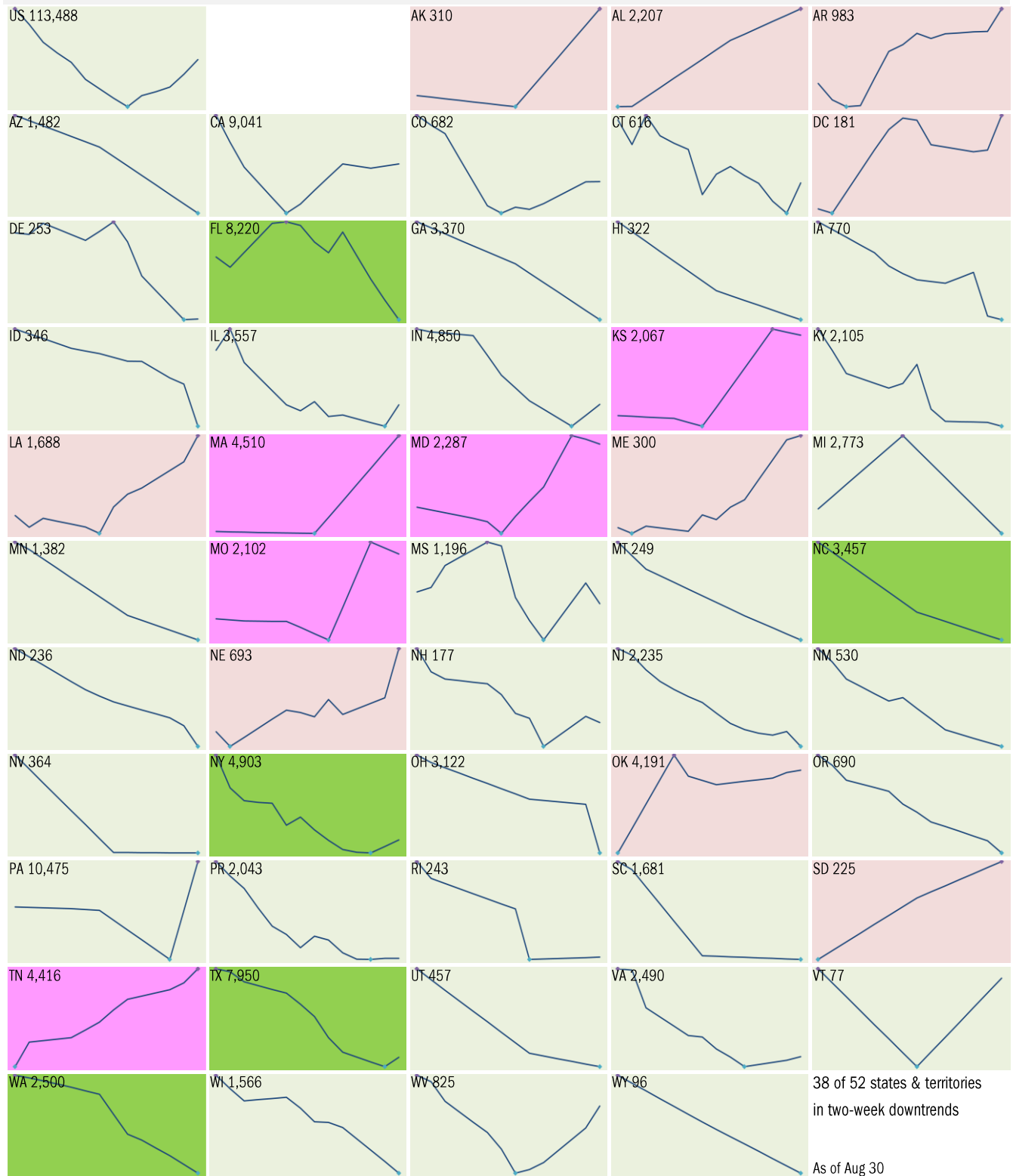


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

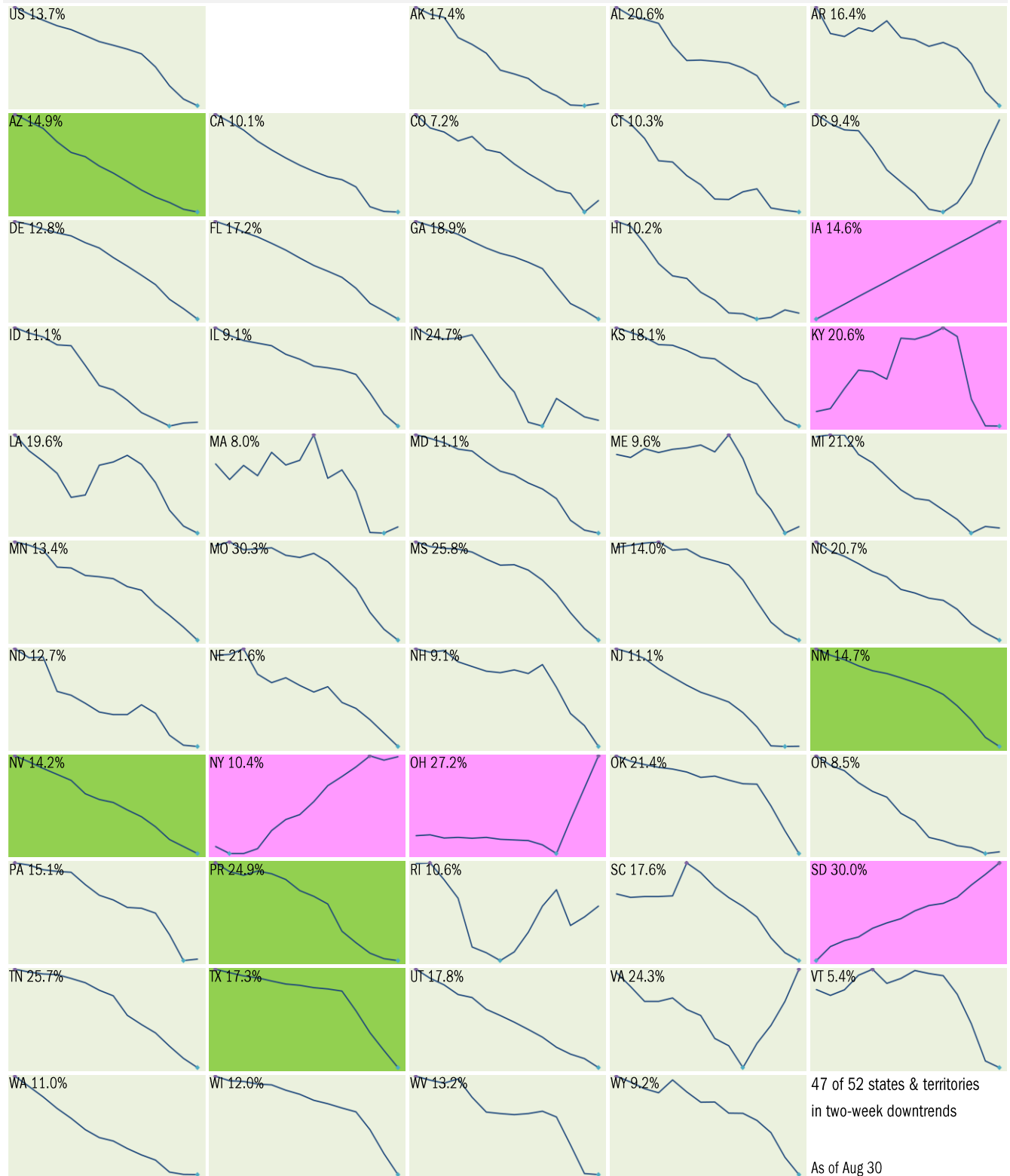


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

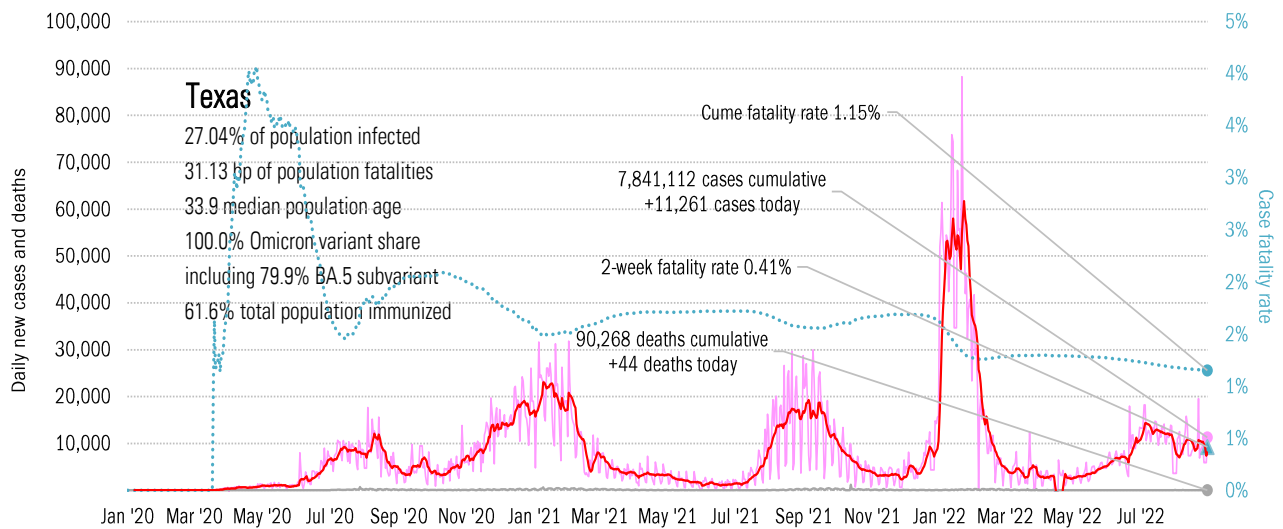
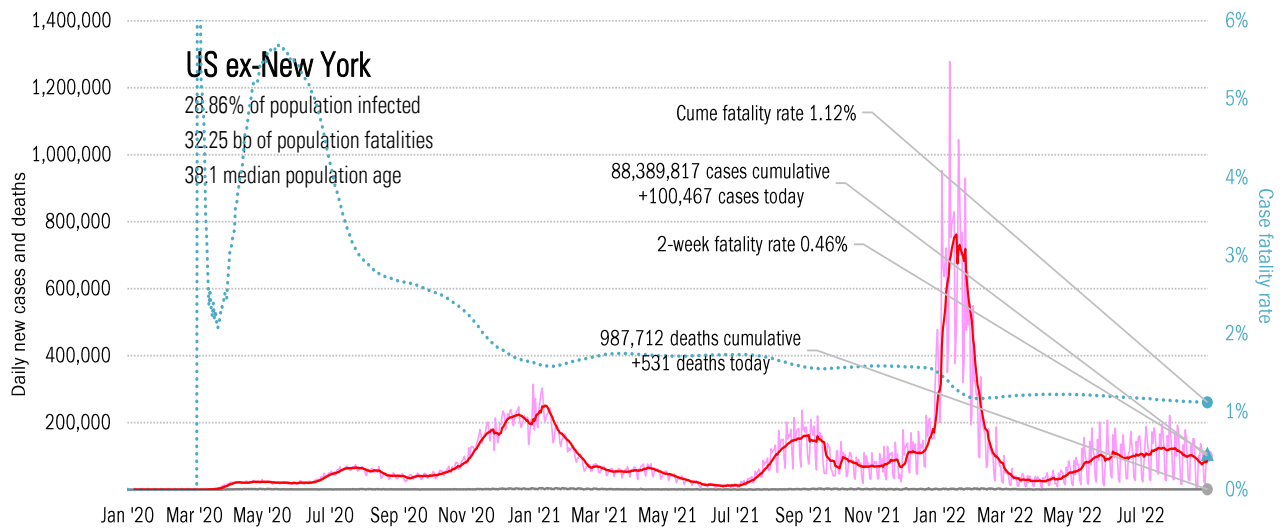
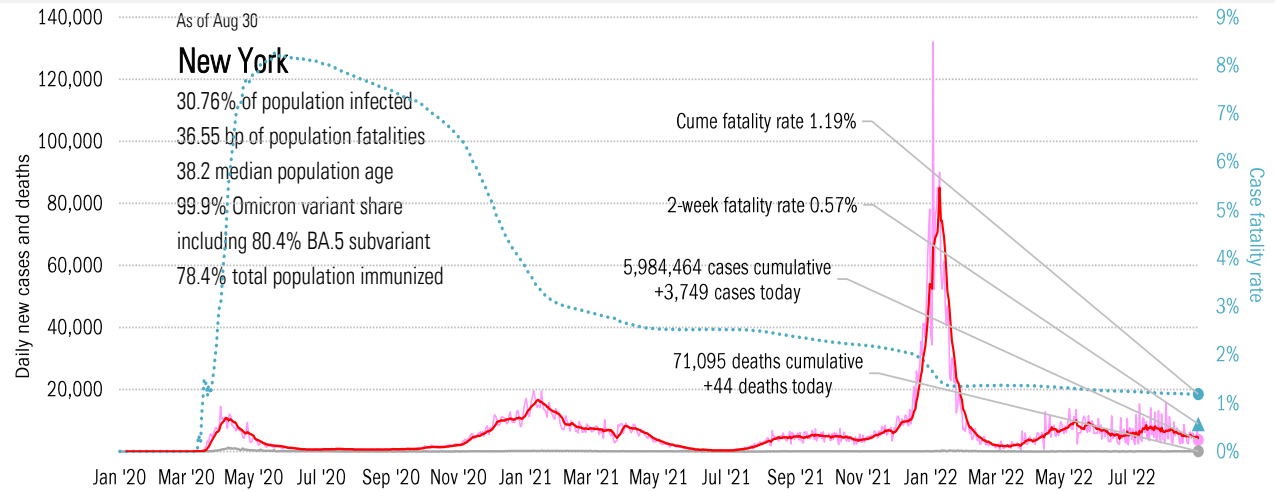
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

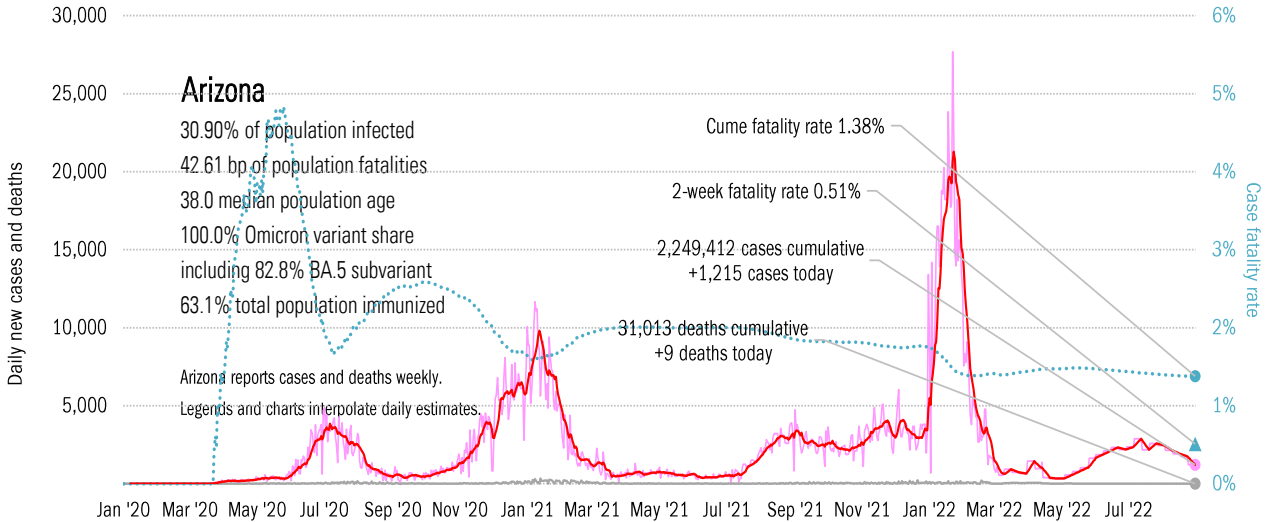
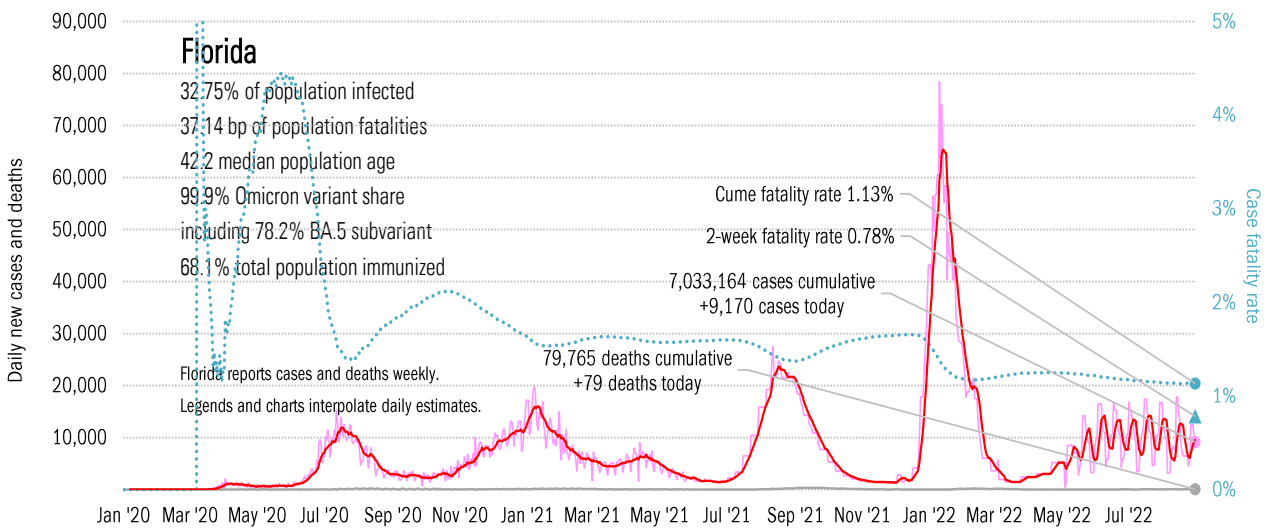
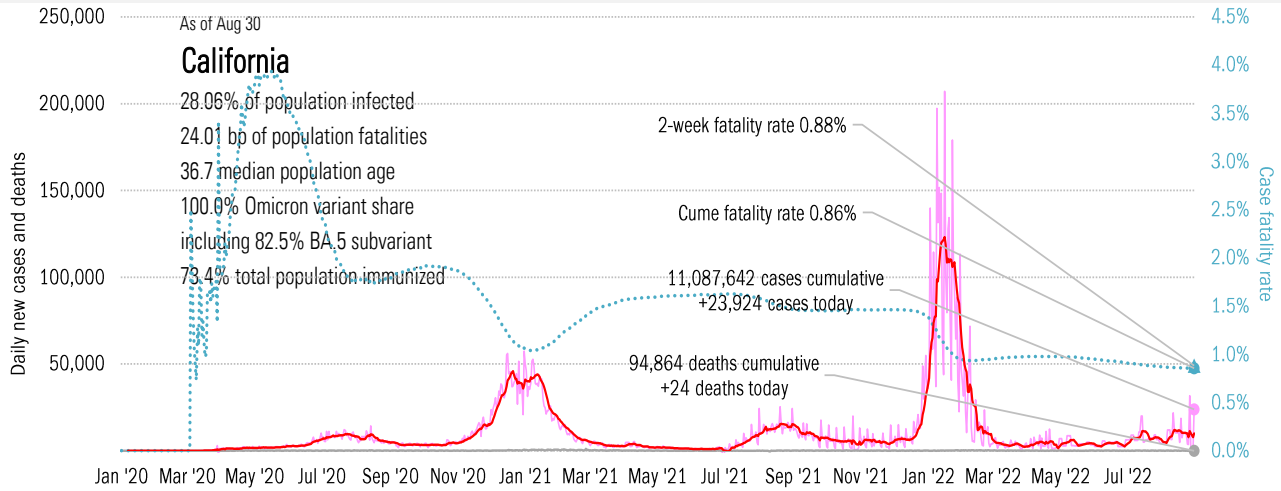
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

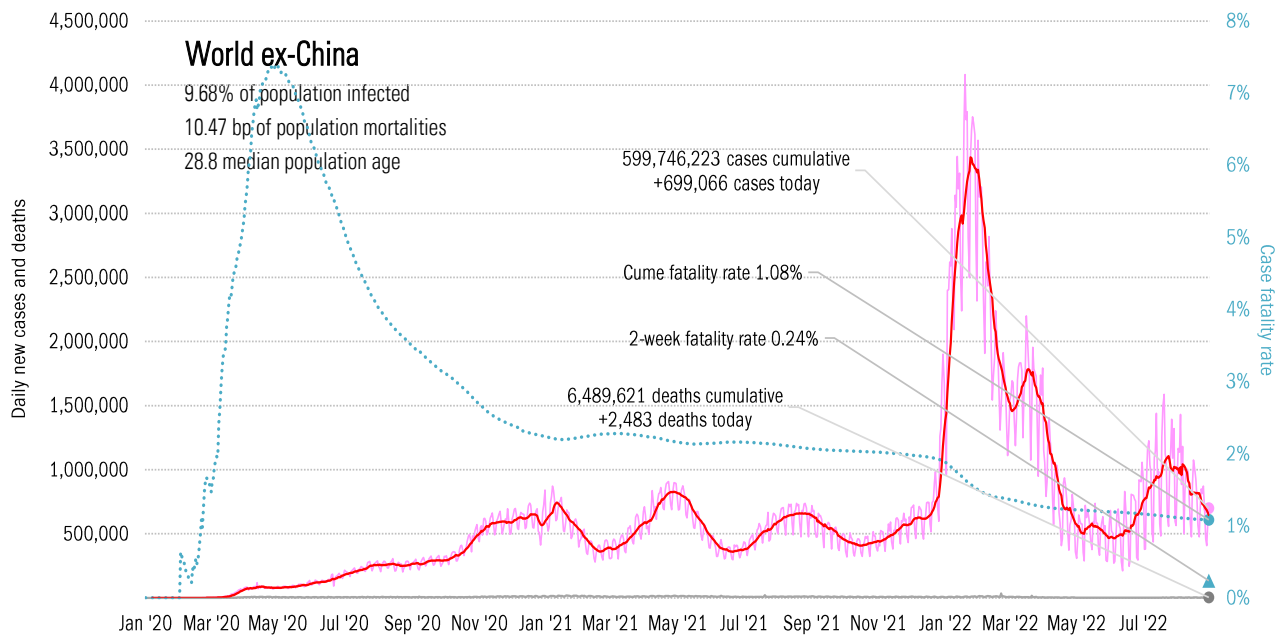
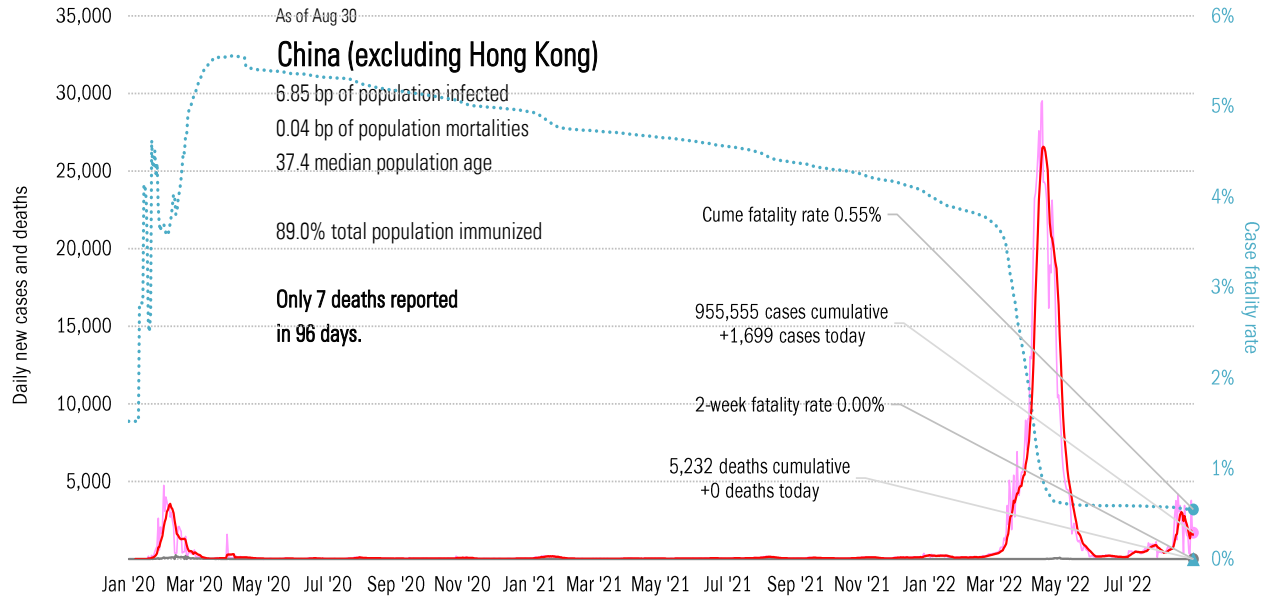
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

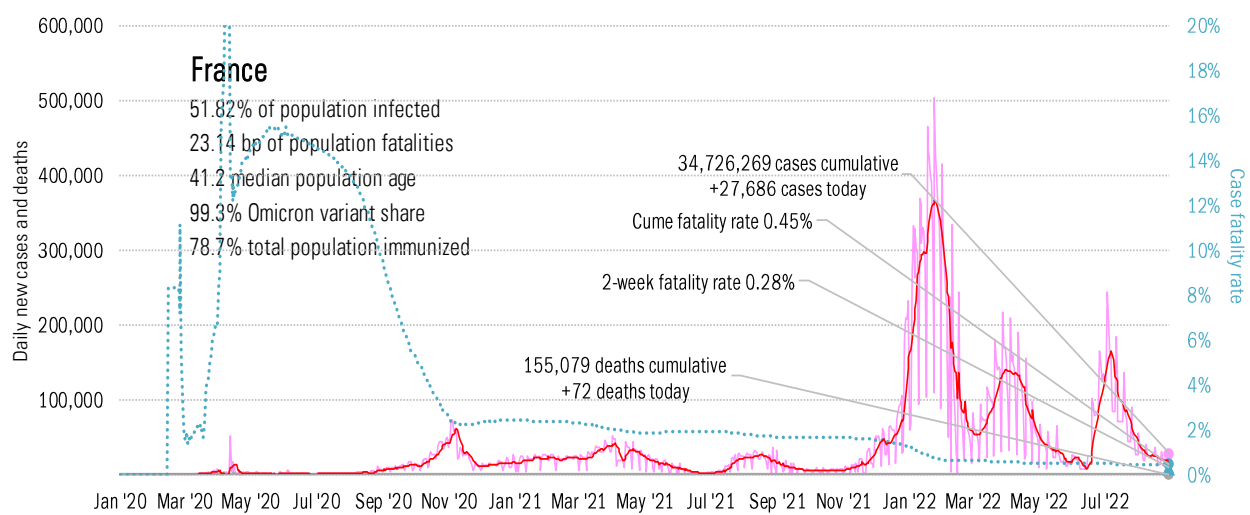
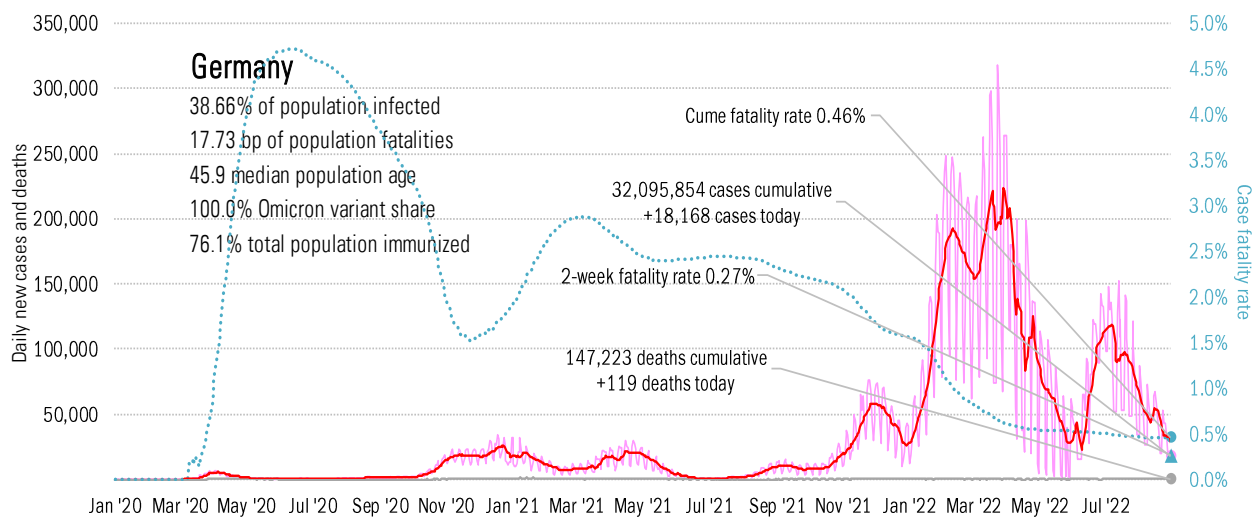
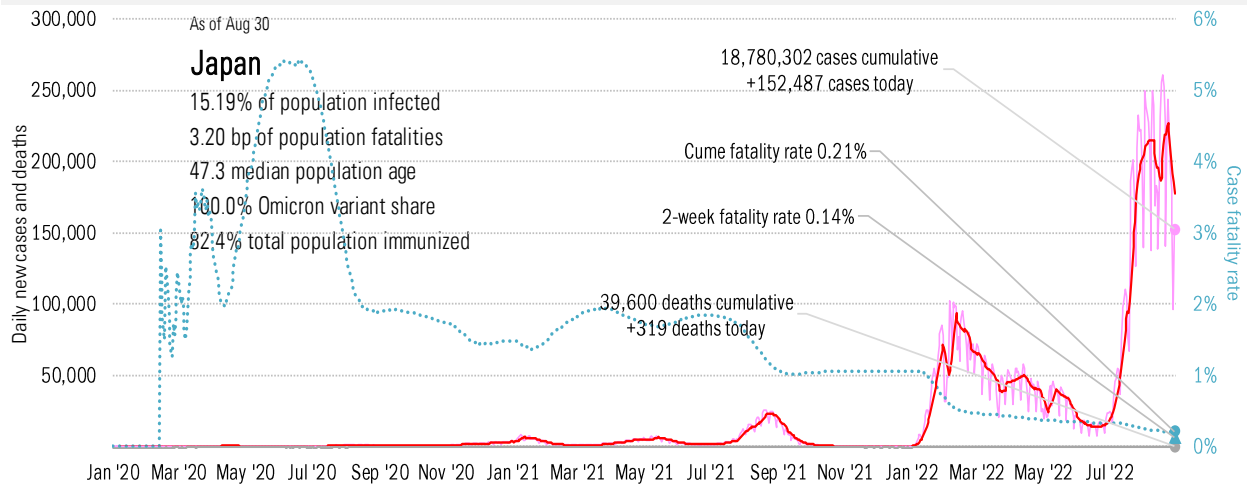


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

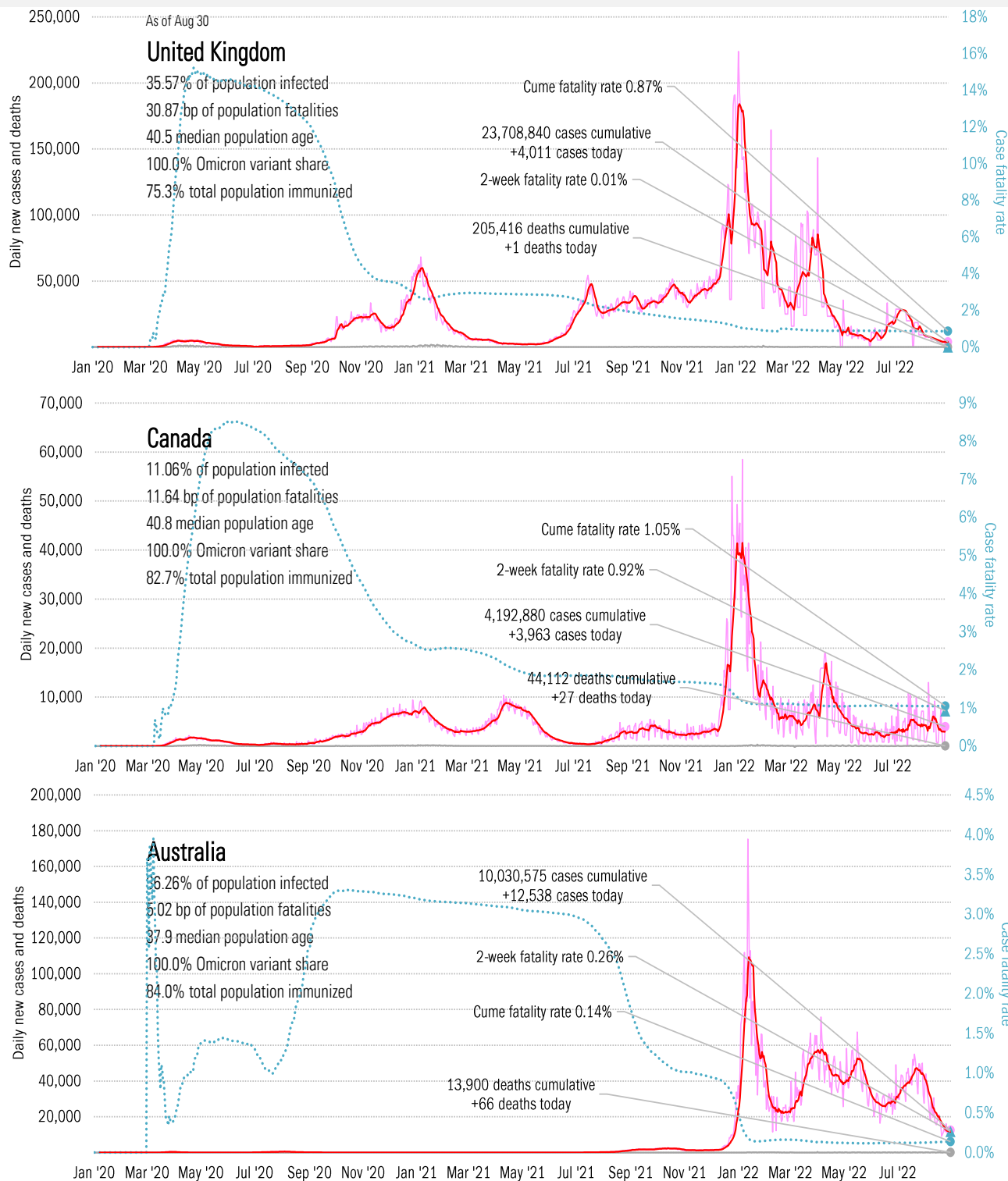
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

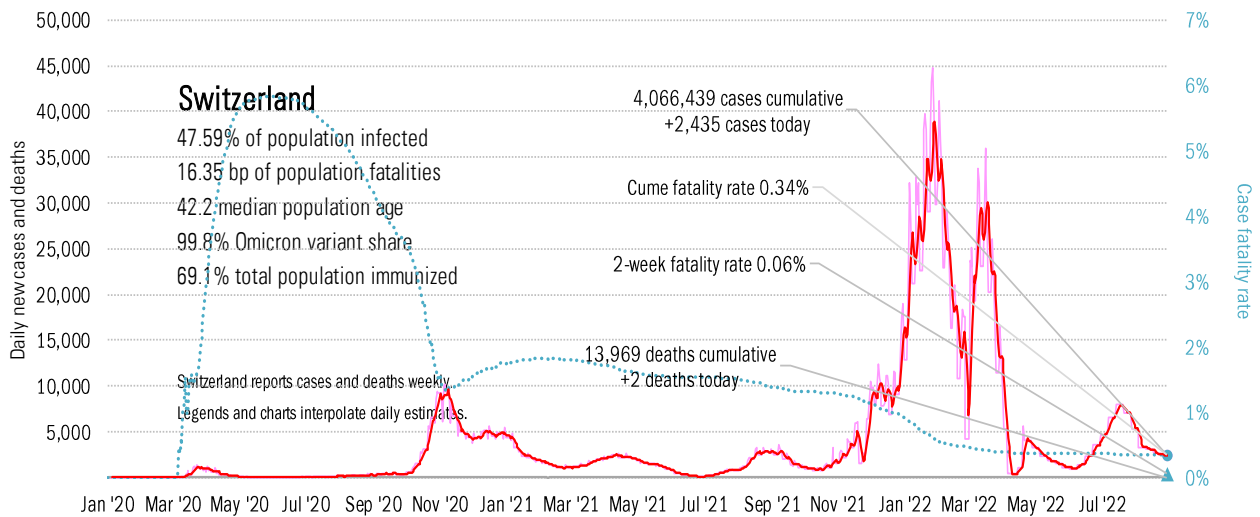
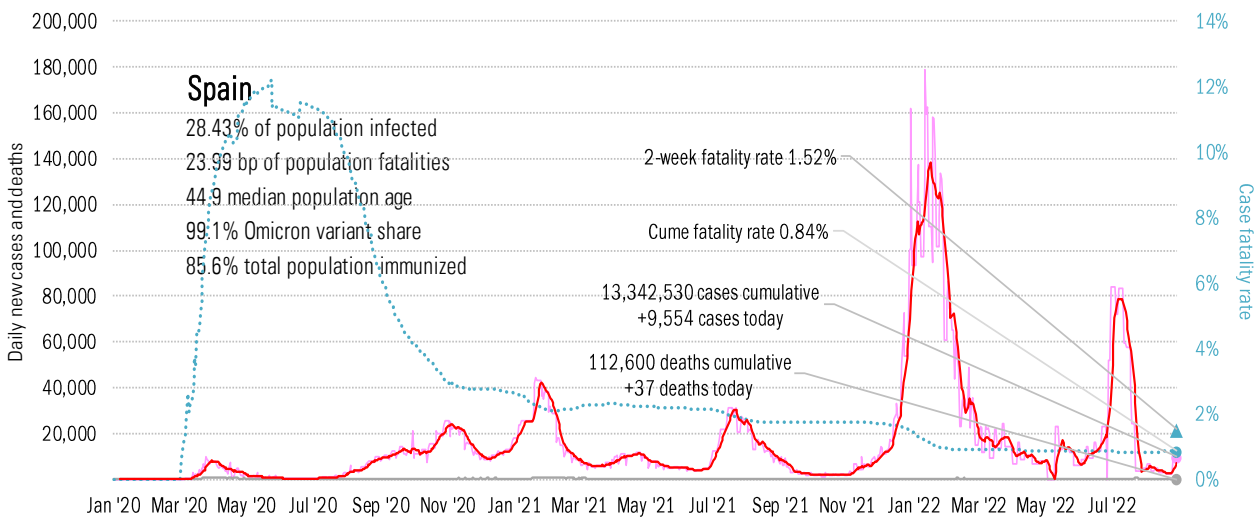
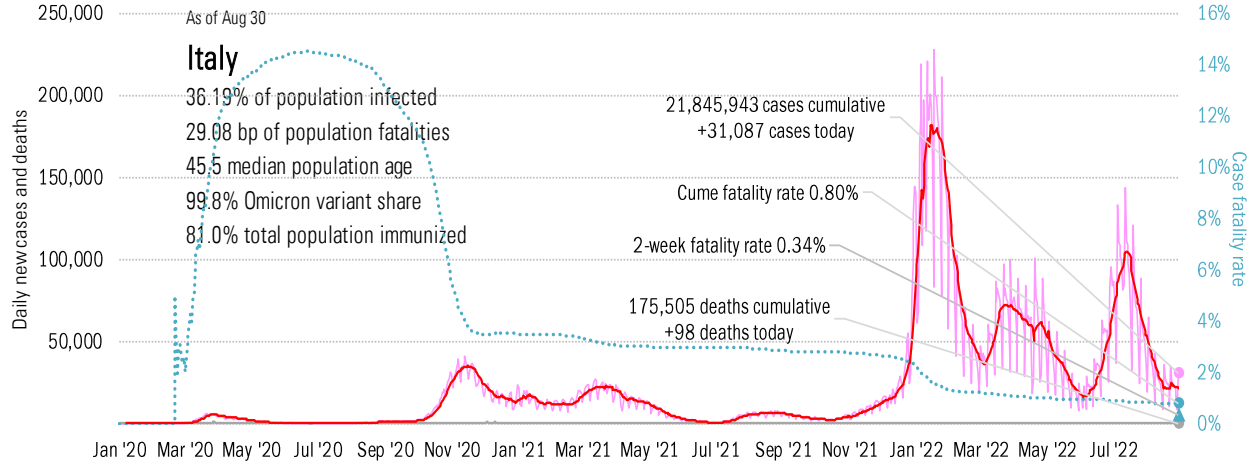
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

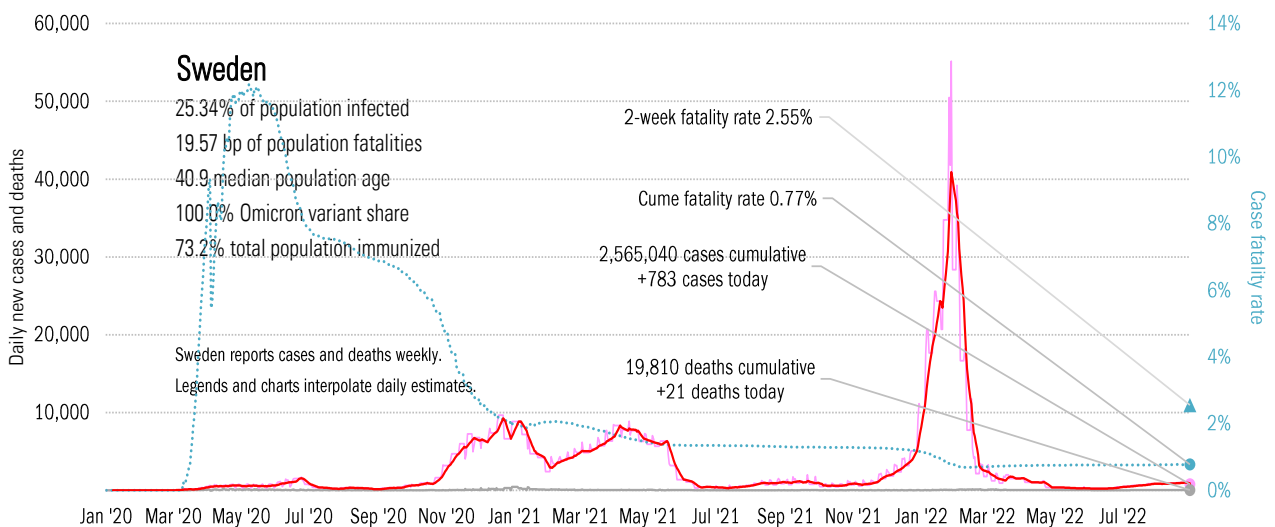
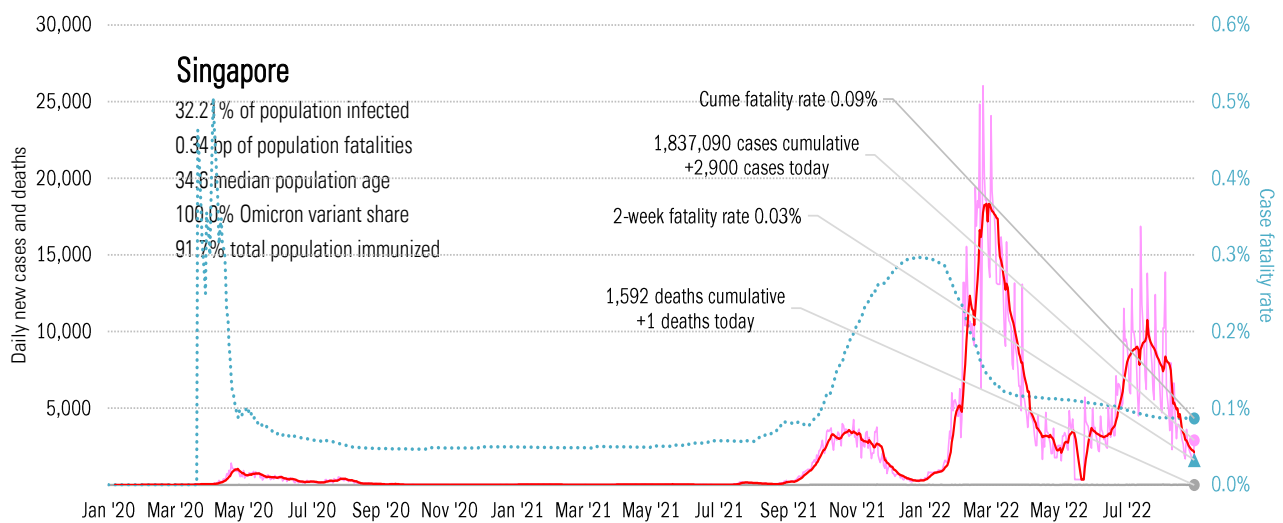
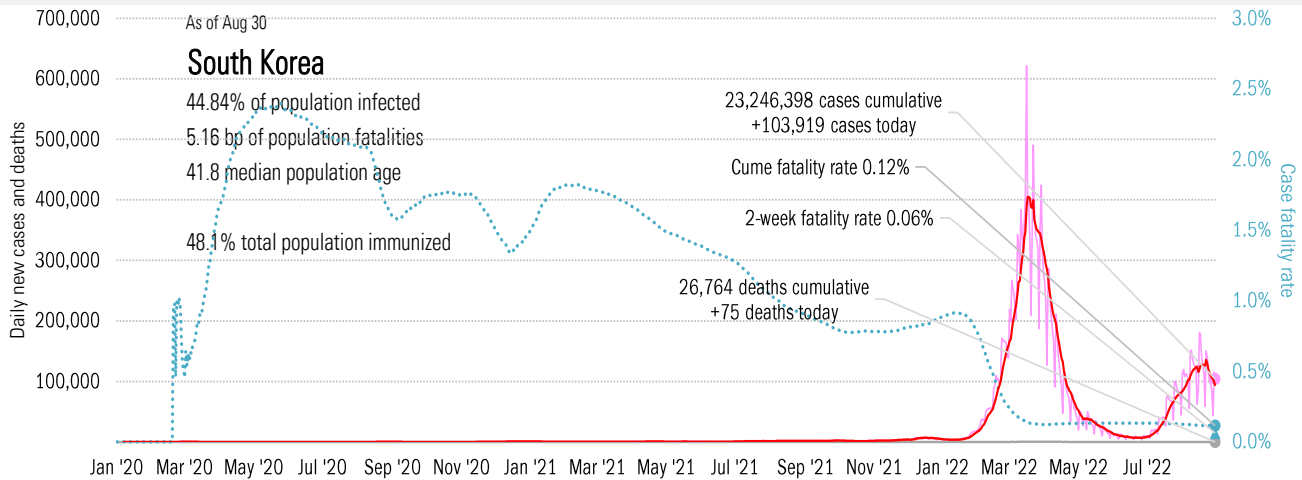
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

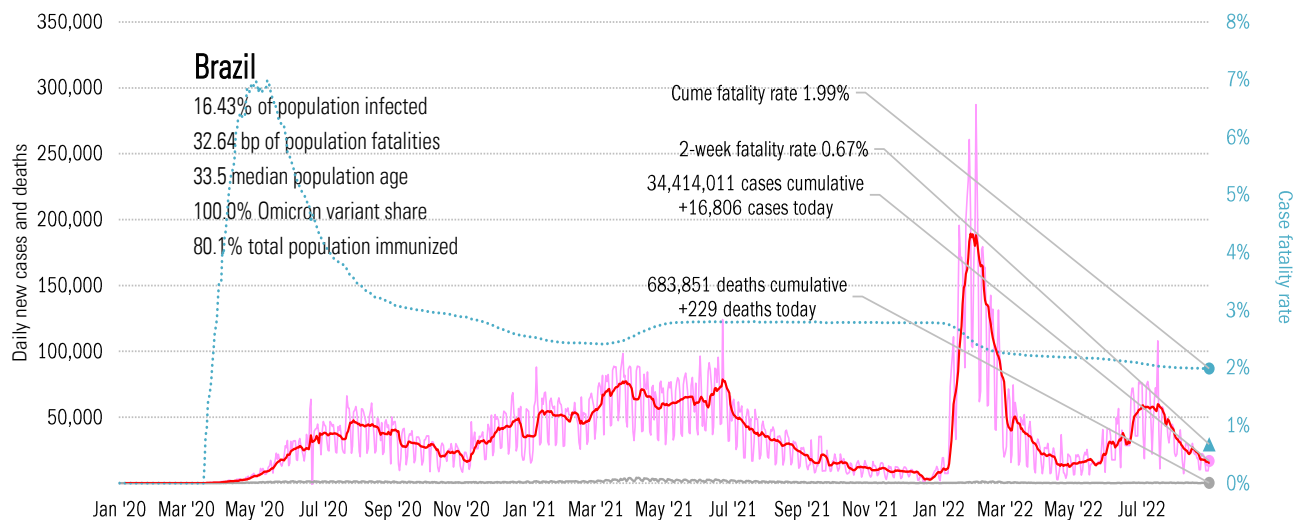
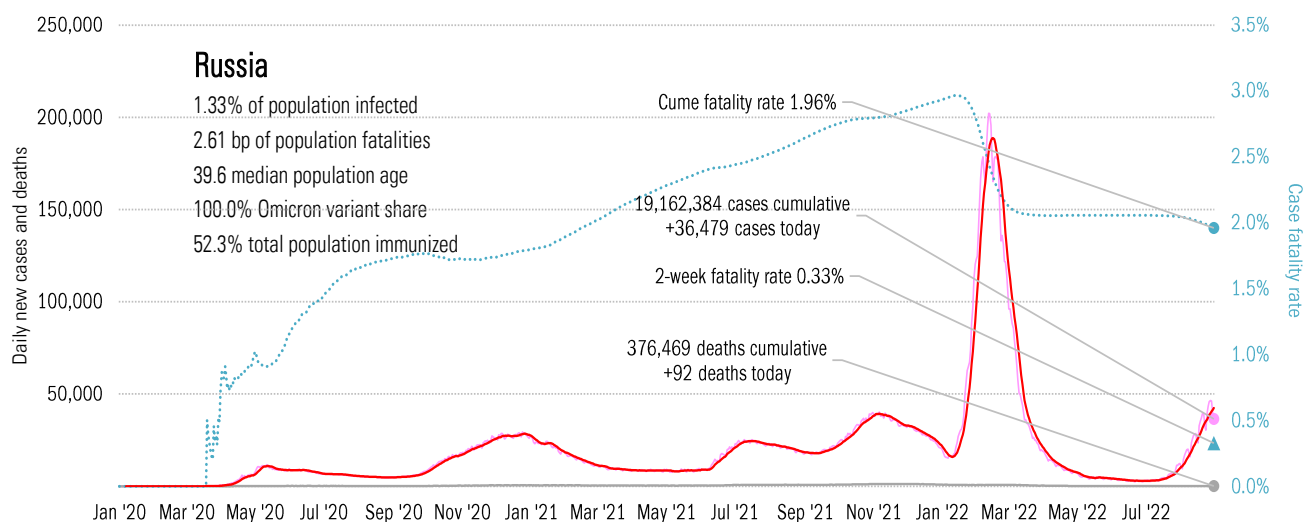
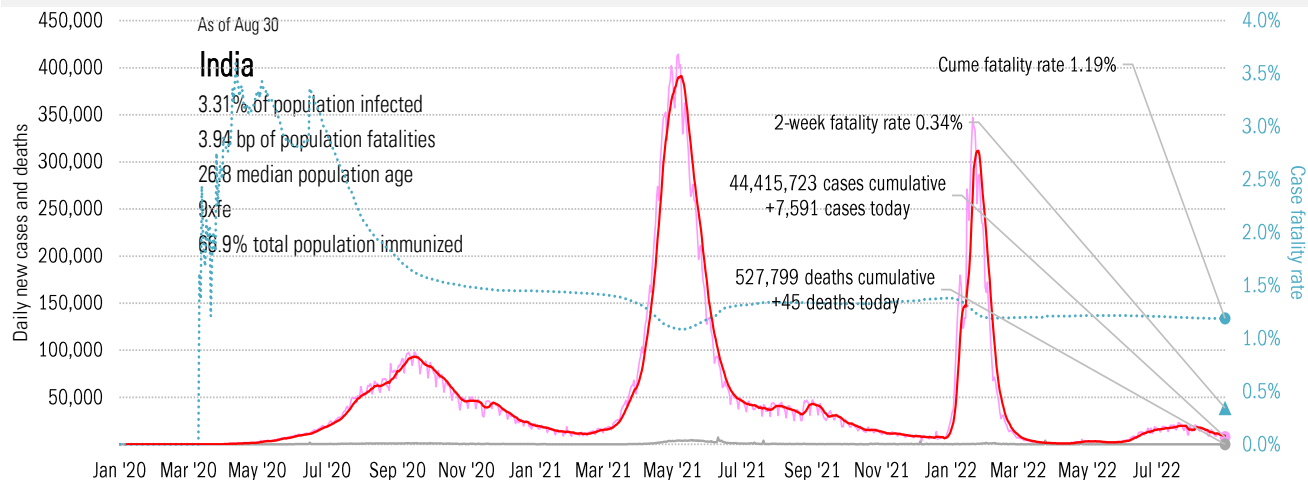
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

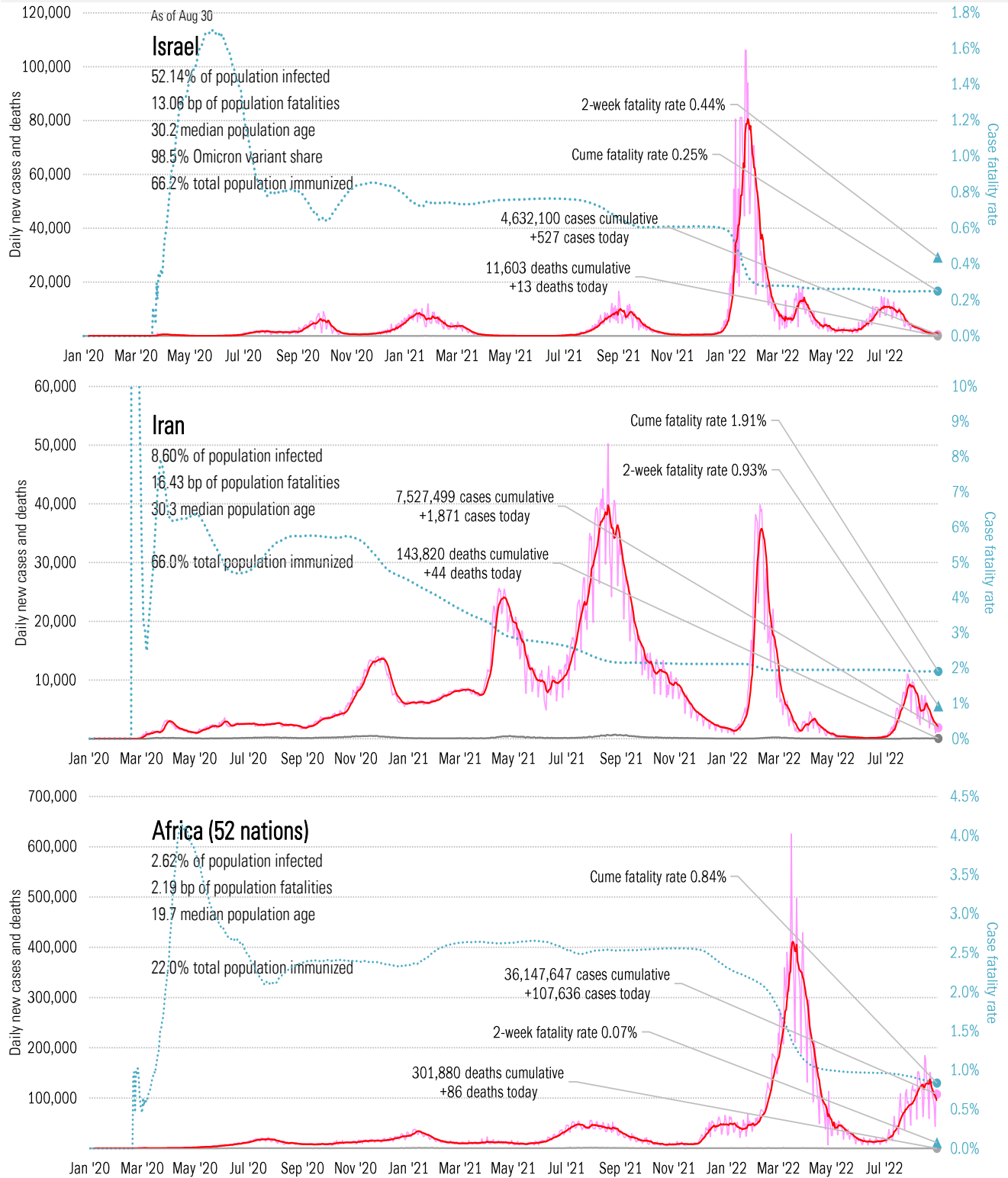
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

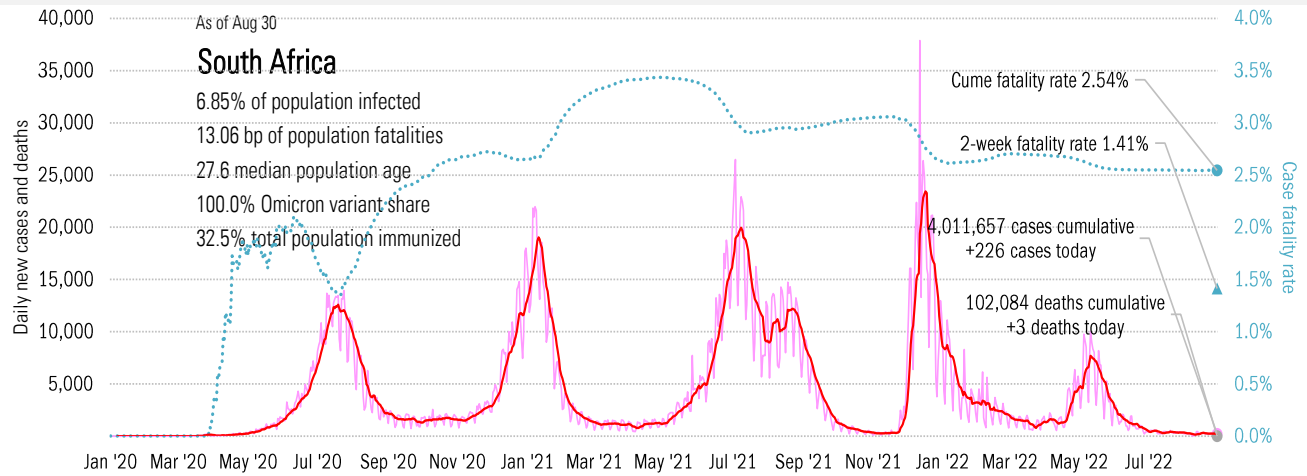
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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