

## Data Insights: Covid-2019 Monitor

Tuesday, August 23, 2022

### The global scorecard

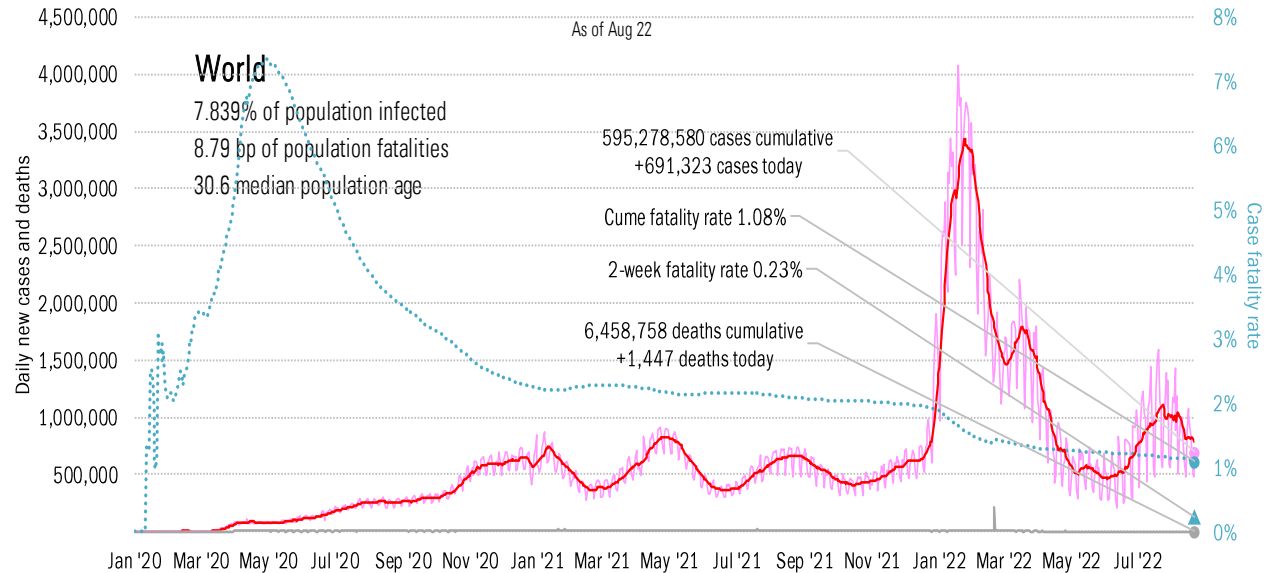
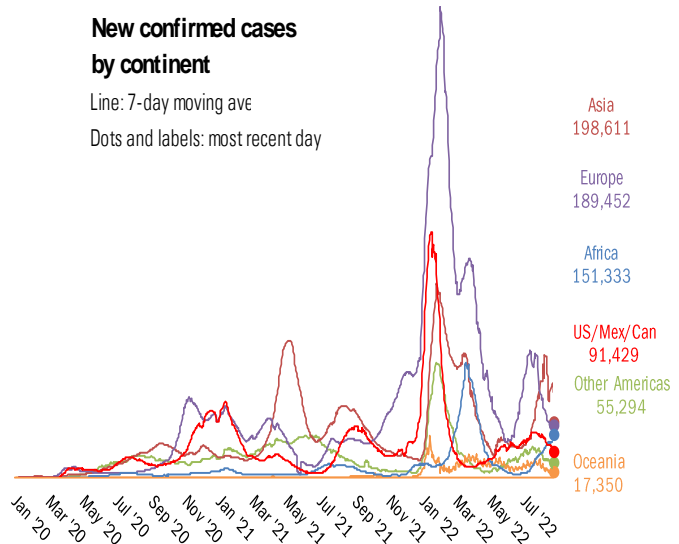
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Korea, South	150,098	United States	558
Japan	140,920	Japan	245
United States	91,700	Brazil	191
Germany	60,411	Germany	146
France	38,737	France	116
Russia	32,469	Australia	87
Brazil	20,627	Italy	75
Taiwan*	16,903	Iran	62
Austria	16,120	Russia	57
Australia	11,639	Israel	56
<b>579,624</b>		<b>1,593</b>	
World	691,323	World	1,447
Top ten	84%	Top ten	110%

#### New confirmed cases by continent

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



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

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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

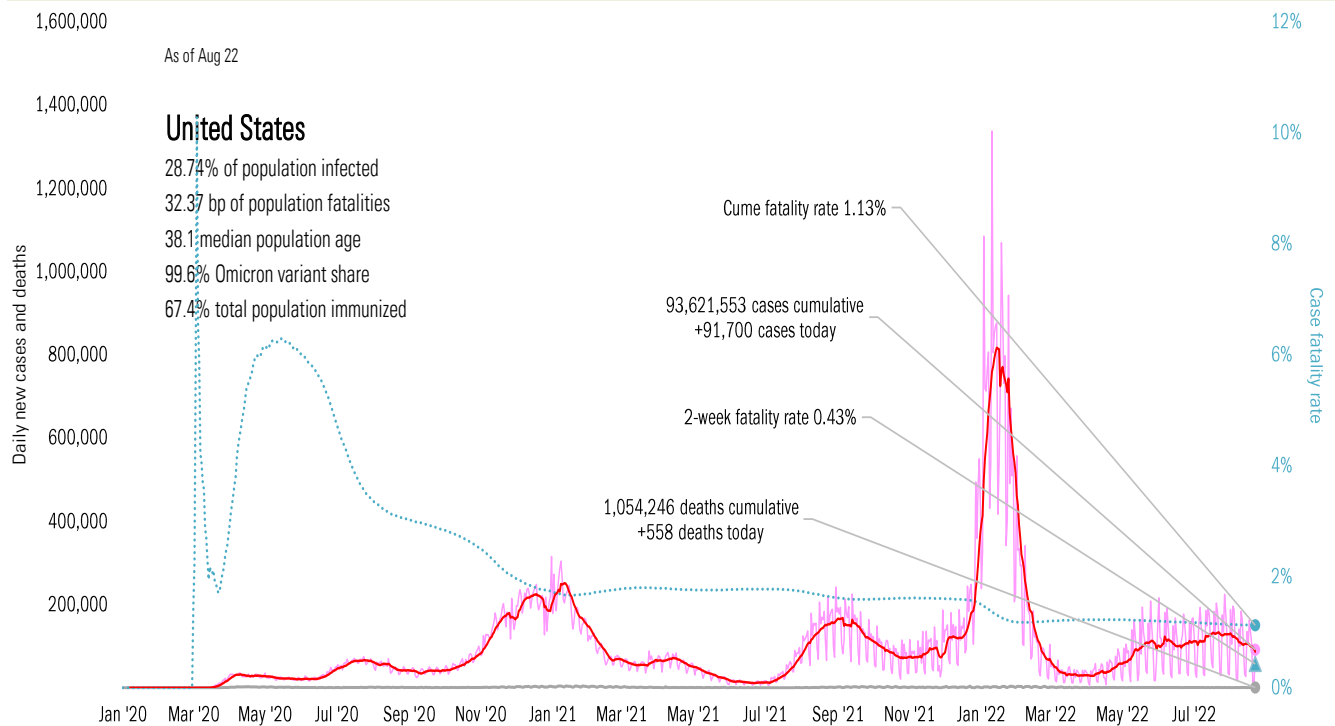
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use			
CA	12,138		FL	72		TX	481		CA	10,990,337		CA	94,476		TX	533,200		RI	89%		AK	85%	
TX	6,519		TX	47		CA	546		TX	7,777,905		TX	90,037		CA	484,107		MA	86%		ND	83%	
FL	6,488		CA	36		CH	220		FL	6,966,762		FL	79,152		FL	478,888		MN	84%		NC	83%	
NY	6,108		NY	32		GA	228		NY	5,947,458		NY	70,882		NY	288,482		WA	84%		TX	83%	
NC	3,906		CO	22		MN	99		IL	3,653,947		PA	46,514		GA	220,586		GA	82%		AL	82%	
GA	3,681		OK	21		PA	220		PA	3,151,539		GA	39,472		CH	210,746		MO	82%		VT	82%	
CH	3,438		GA	21		VA	128		NC	3,074,964		CH	39,310		PA	196,895		WV	82%		RI	81%	
IN	3,426		PA	20		MO	100		CH	3,026,110		IL	39,199		IL	179,977		AK	81%		MA	80%	
MI	3,309		IL	19		MA	101		GA	2,829,283		MI	37,774		MI	156,883		DE	81%		WA	79%	
WA	3,278		LA	18		TN	106		MI	2,731,787		NJ	34,467		KY	141,323		MD	80%		NM	79%	
52,292			308			2,229			50,150,092			571,283			2,891,087								
All states	91,700		558		5,090		All states	93,621,553		1,054,246		5,245,178		All states	70%		67%						
Top ten	57%		55%		44%		Top ten	54%		55%		55%		Median	76%		71%						

Some states not reporting

## Five most improved US states

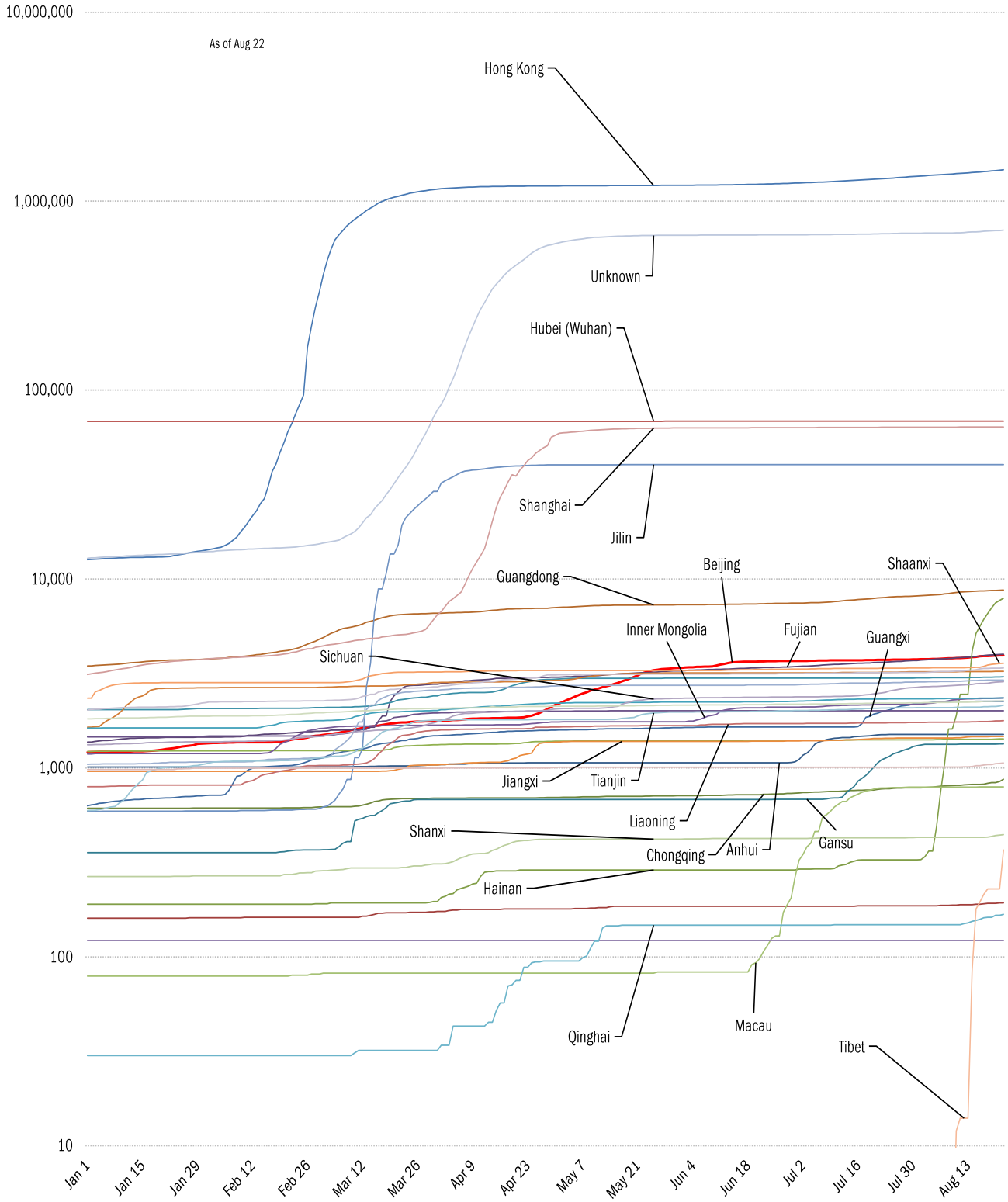
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-15,489	CA	-106	NY	-87
OK	-2,967	IN	-23	AL	-33
IN	-2,461	WA	-19	ID	-16
PA	-1,483	VA	-13	MD	-15
NJ	-1,322	ID	-7	IL	-10



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"*

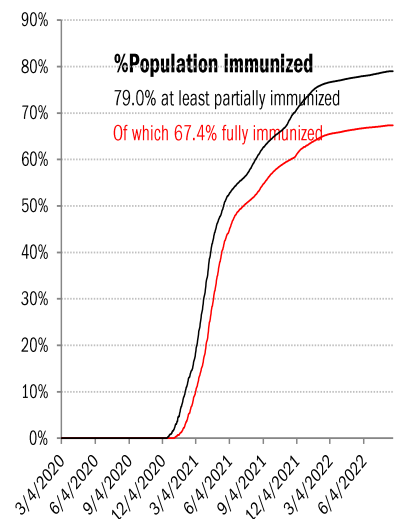
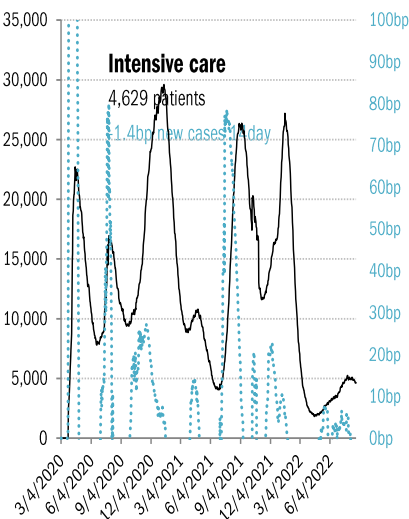
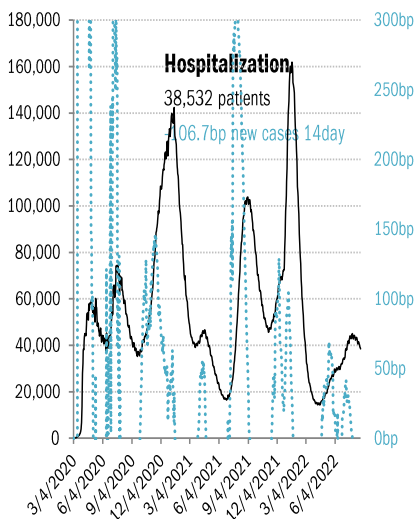
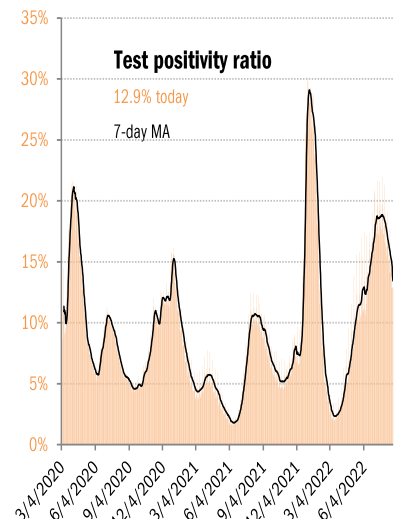
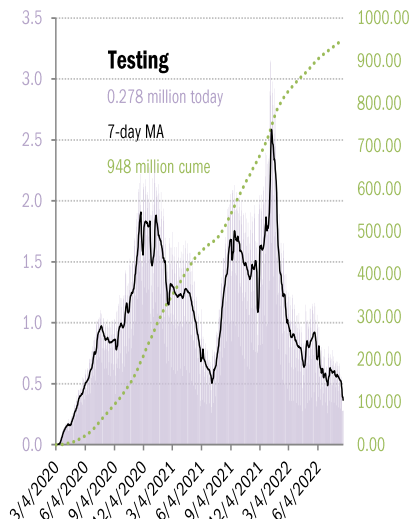
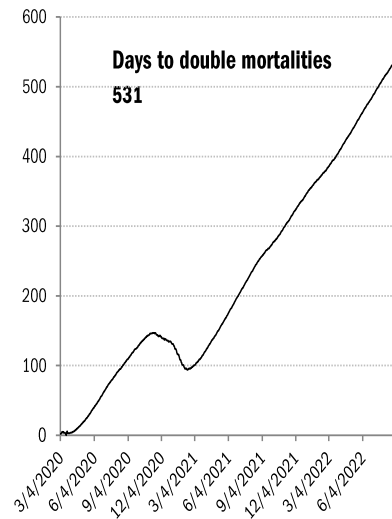
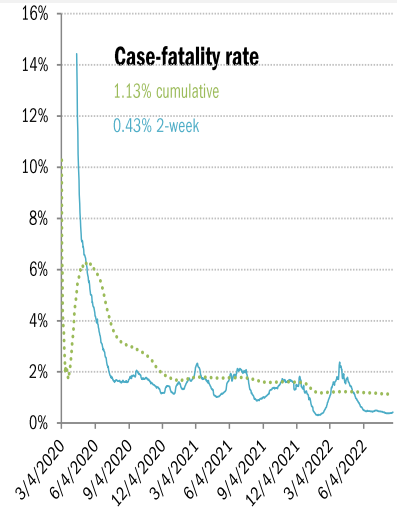
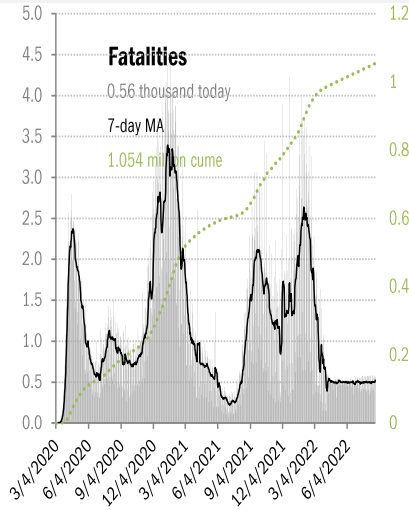
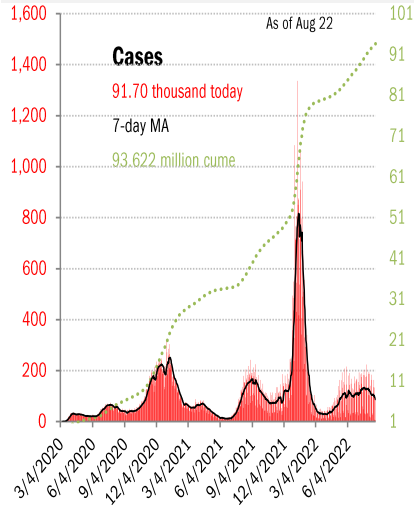


Source: [Johns Hopkins](#), TrendMacro calculations

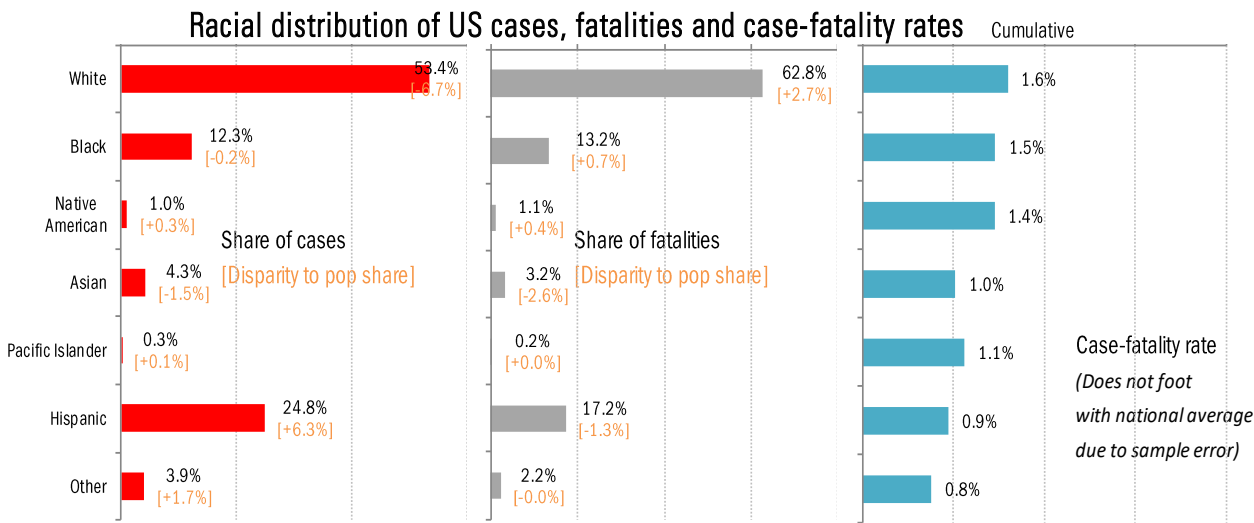
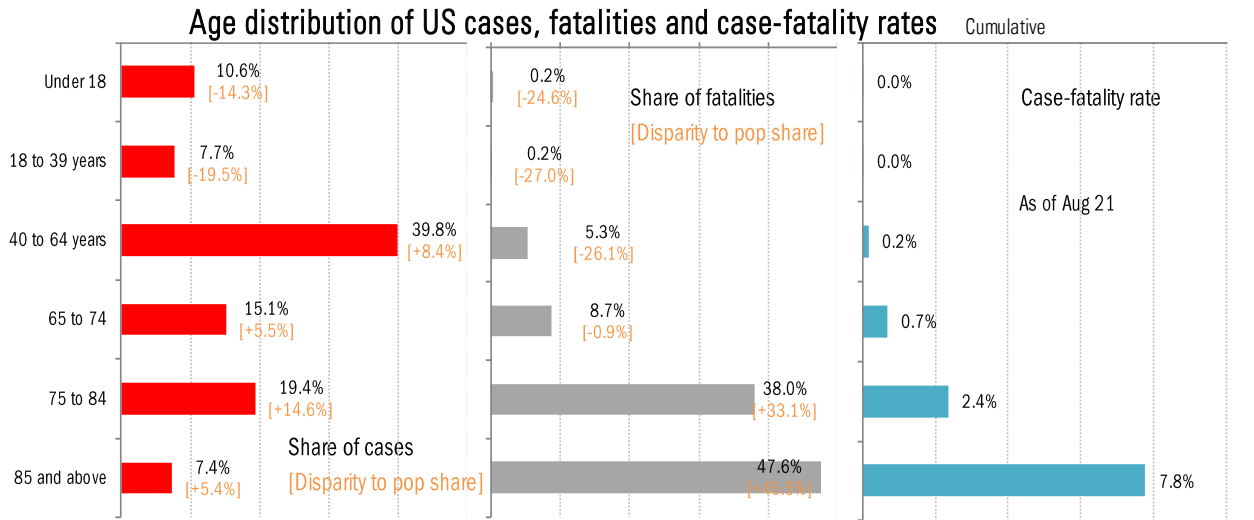


# US deep-dive

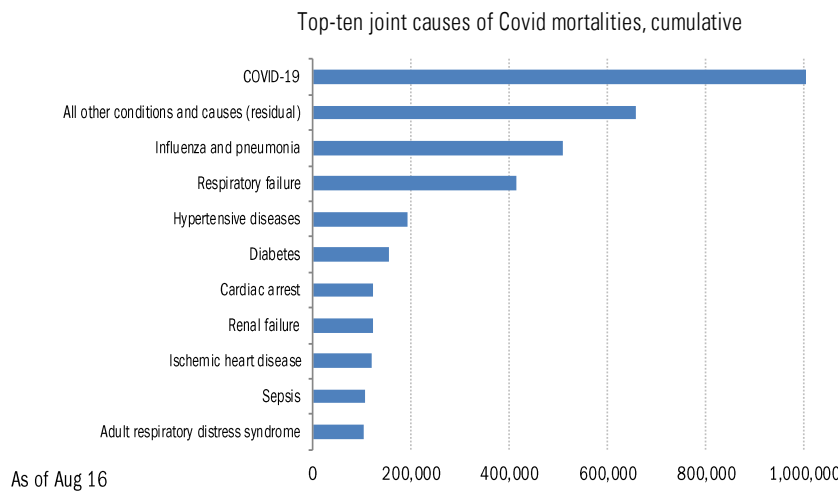
National and state-by-state data do not line up because of different sources



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

### [New York ending COVID-19 rules in schools](#)

Alejandra O'Connell-Domenech  
*Changing America*  
August 22, 2022

### [Paxlovid works, the vaccines don't](#)

Alex Berenson  
*Unreported Truths*  
August 22, 2022

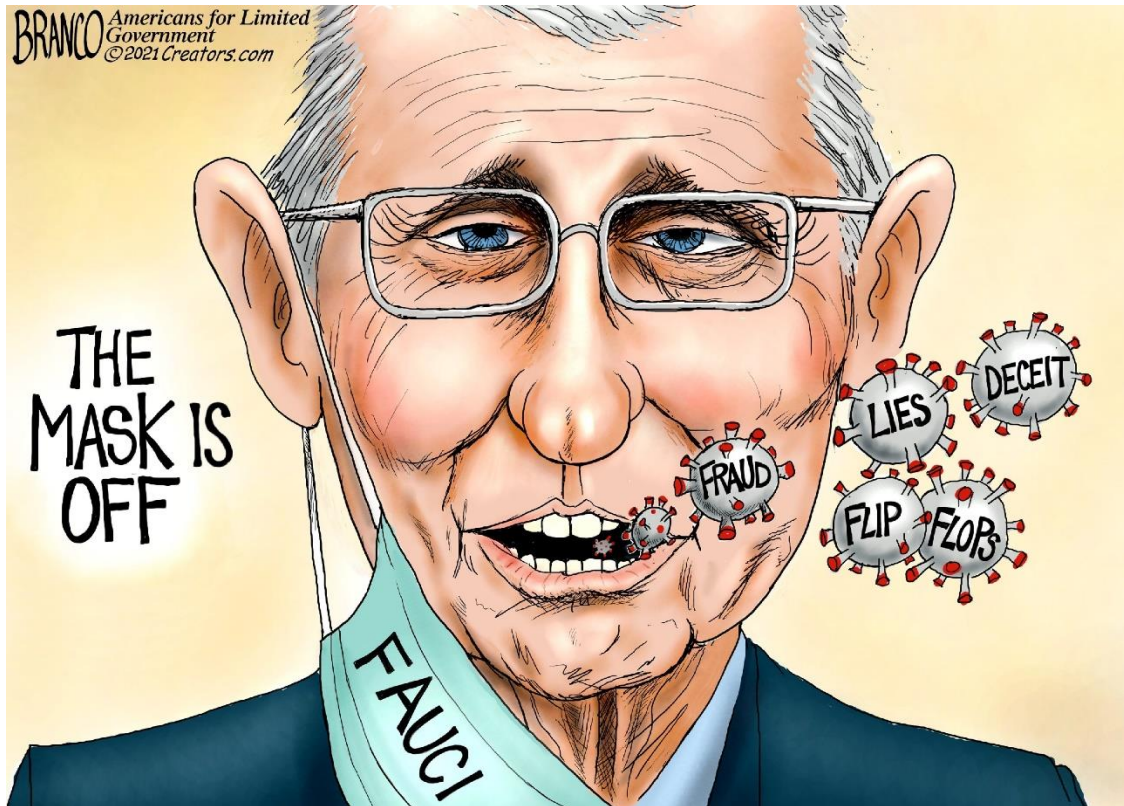
### [Oral Nirmatrelvir and Ritonavir in Non-hospitalized Vaccinated Patients with Covid-19](#)

Sarju Ganatra et al.  
*Clinical Infectious Diseases*  
August 20, 2022

### [Fauci Says He Will Step Down in December to Pursue His 'Next Chapter'](#)

Sheryl Gay Stolberg  
*New York Times*  
August 22, 2022

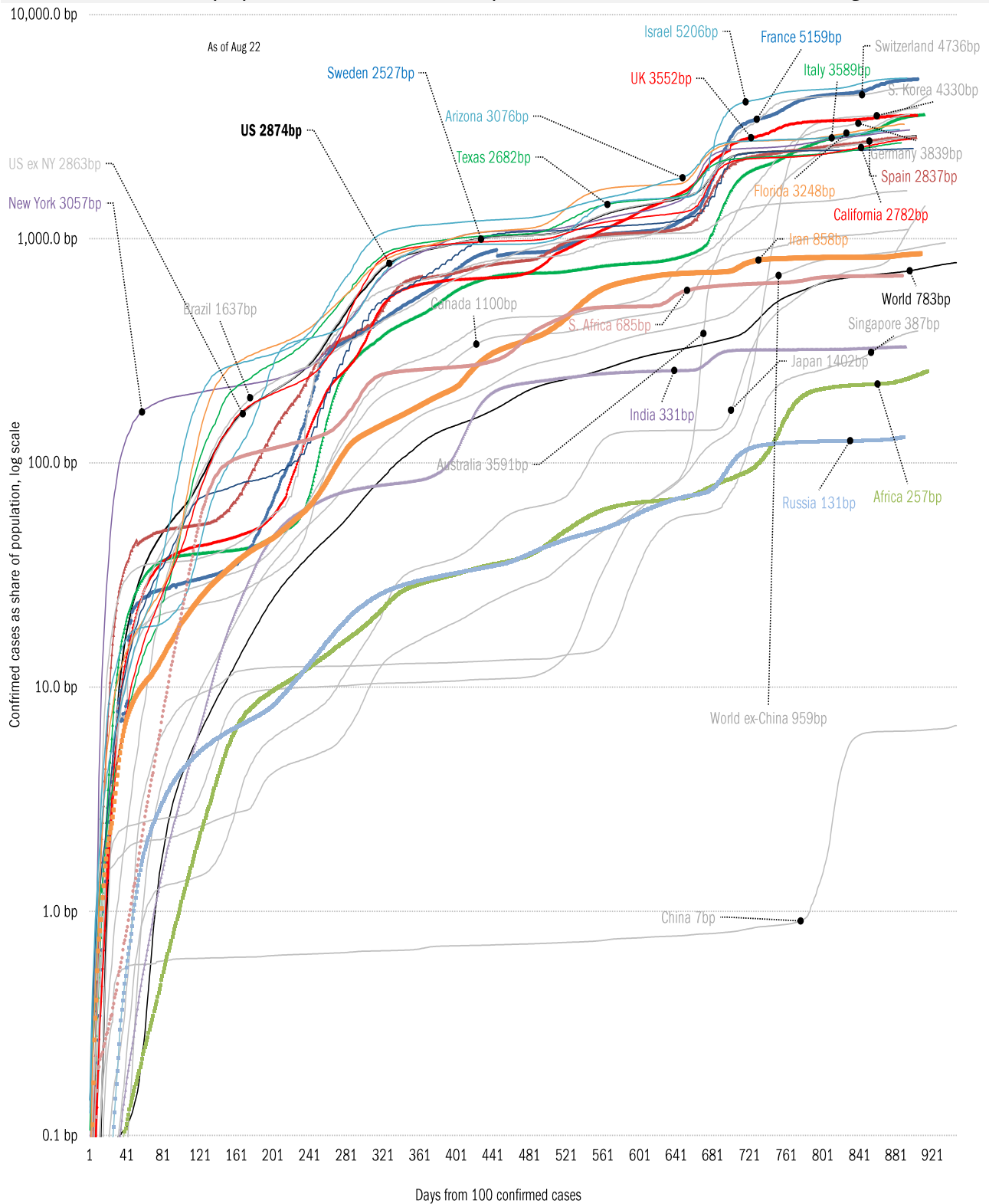
## Meme of the day



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

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

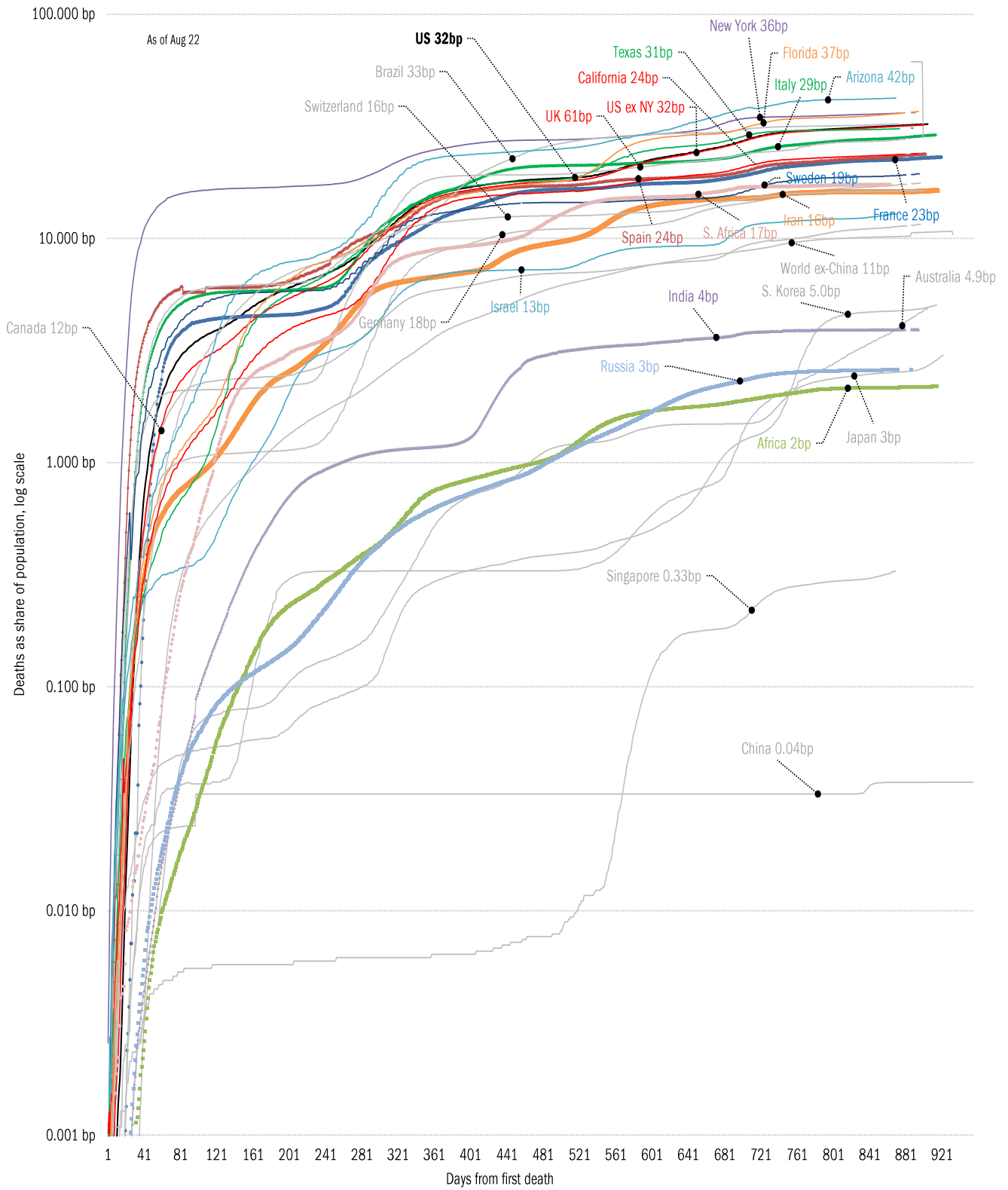
## Share of infected population from first day with 100 confirmed cases, log scale



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

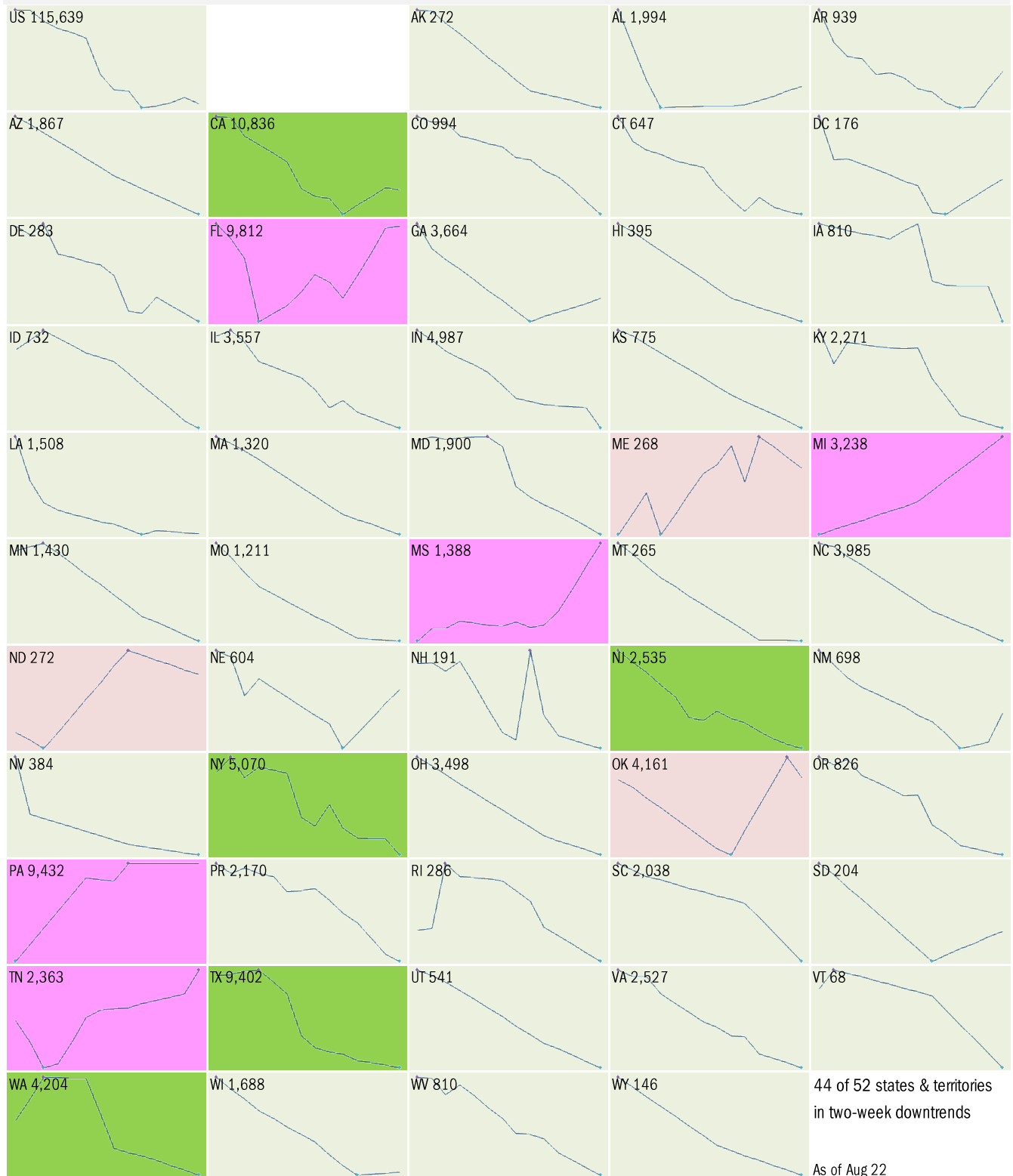


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

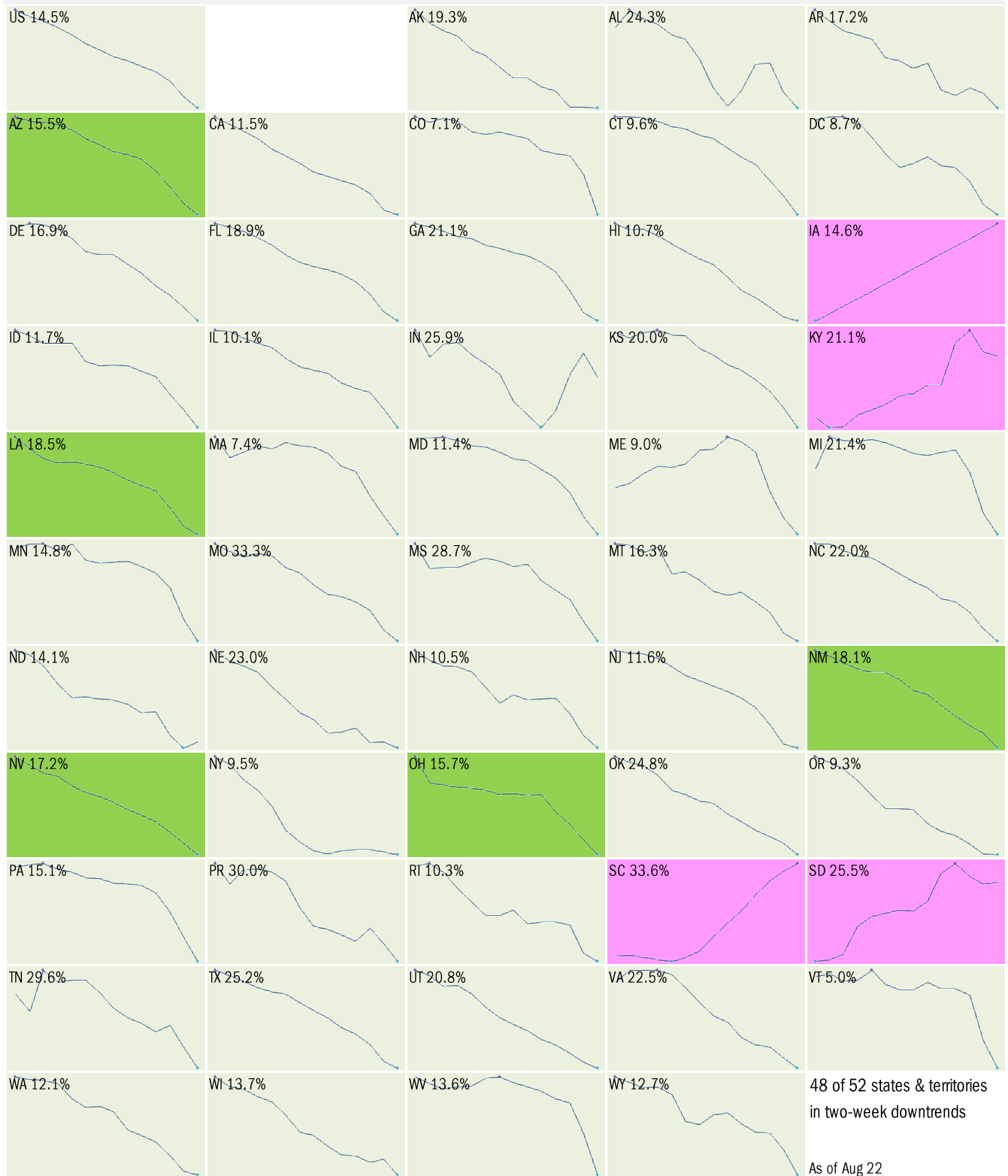


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

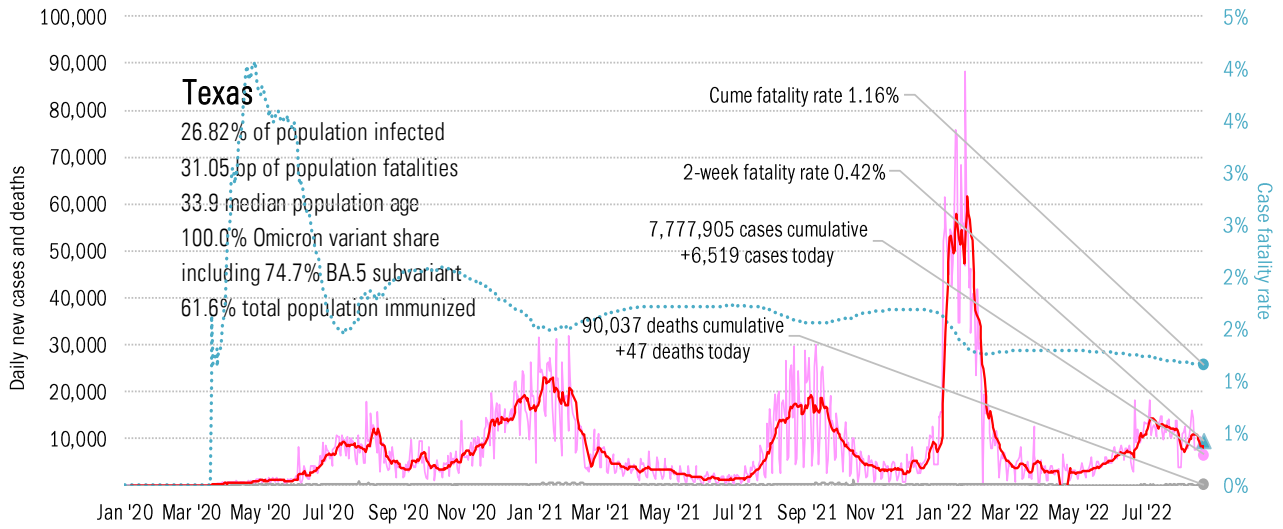
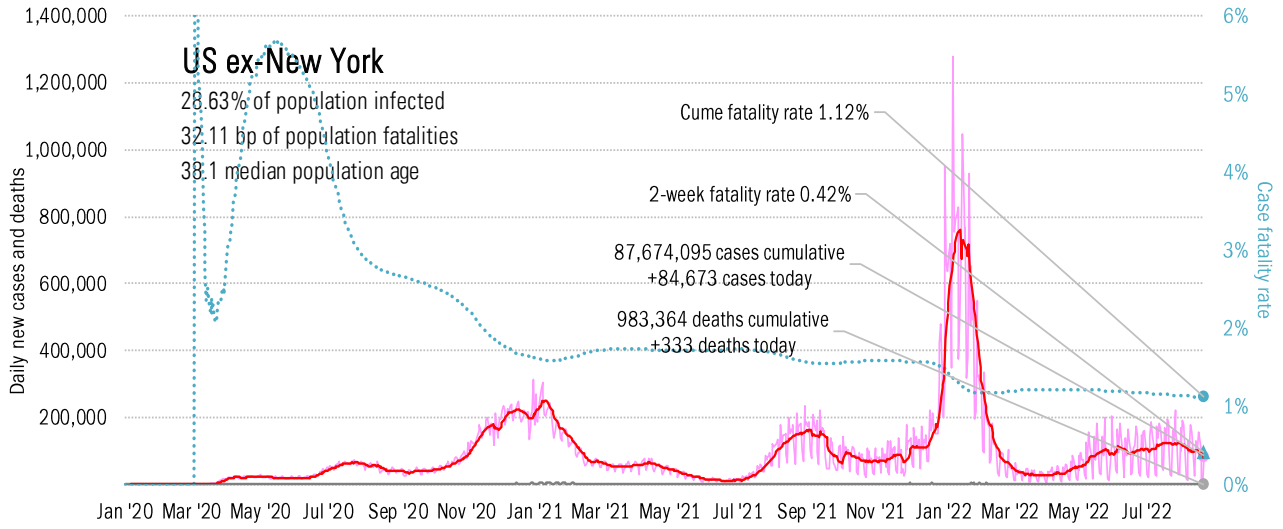
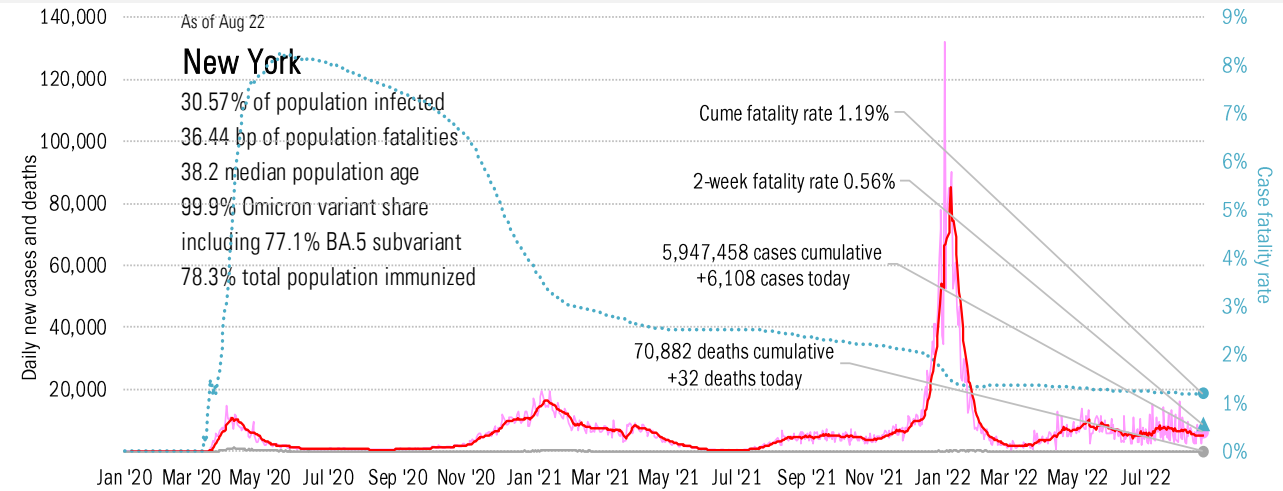
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

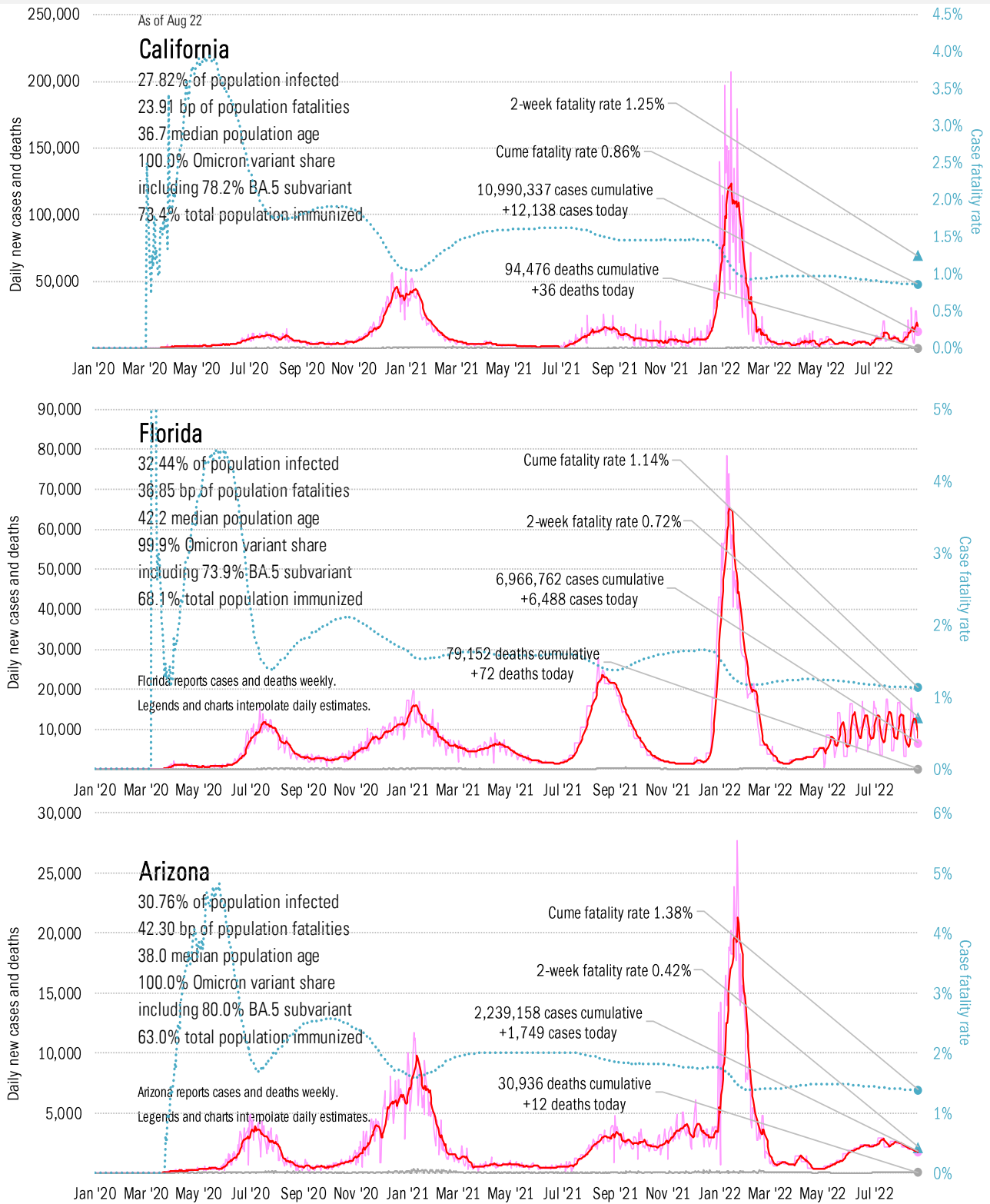
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

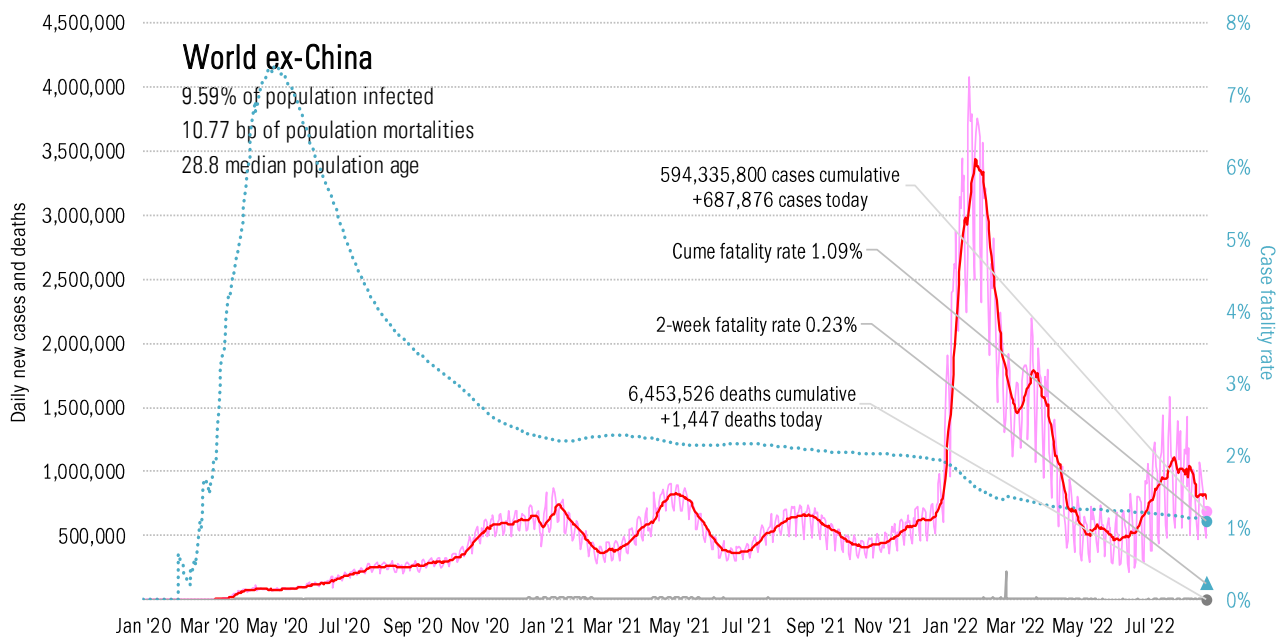
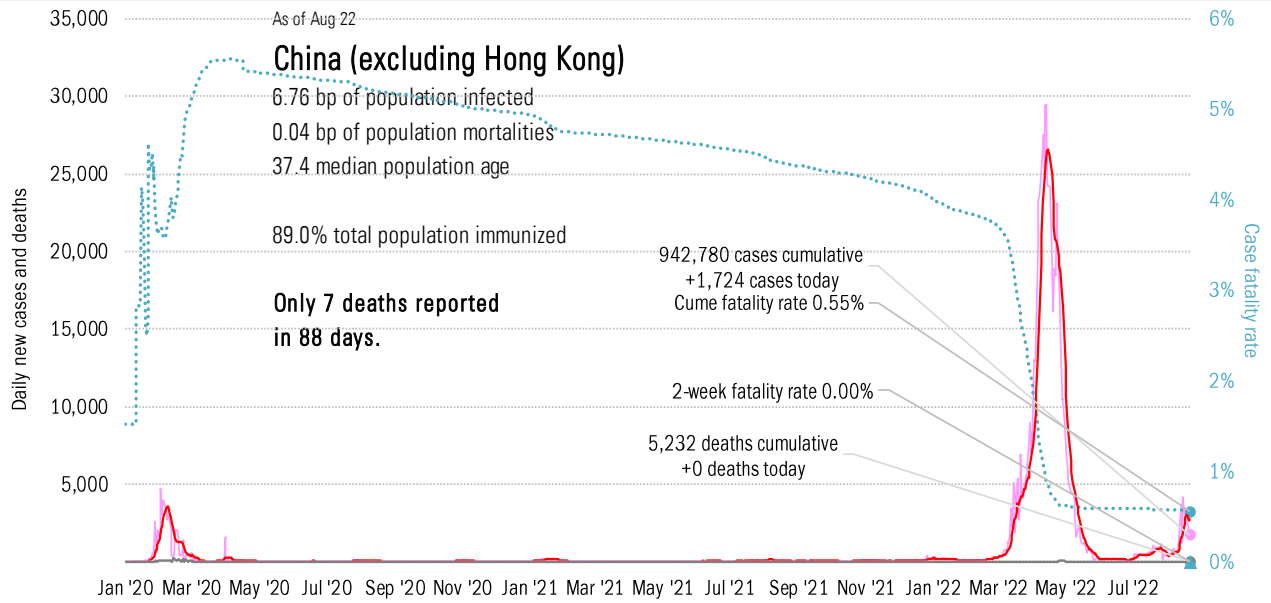
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

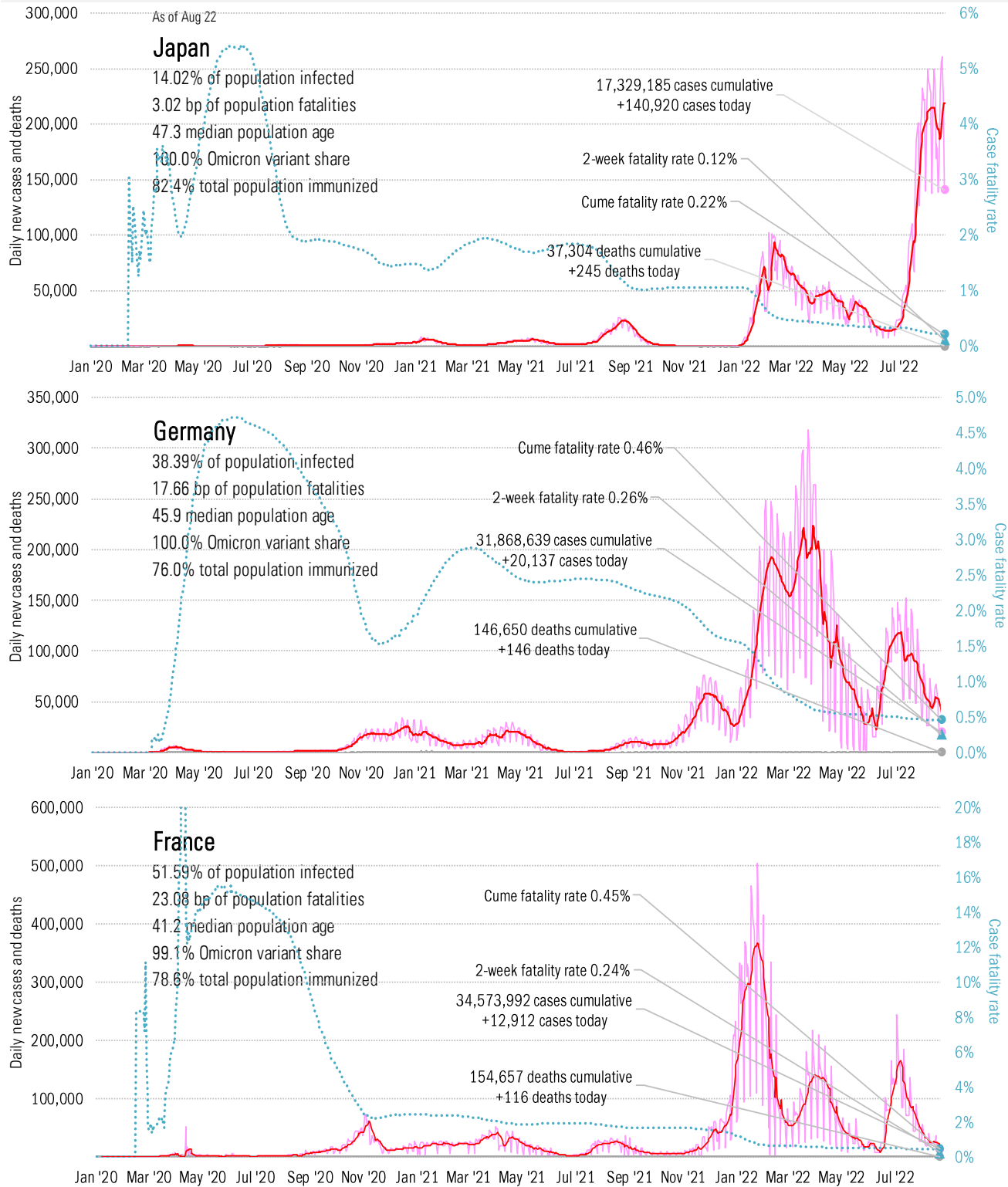
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

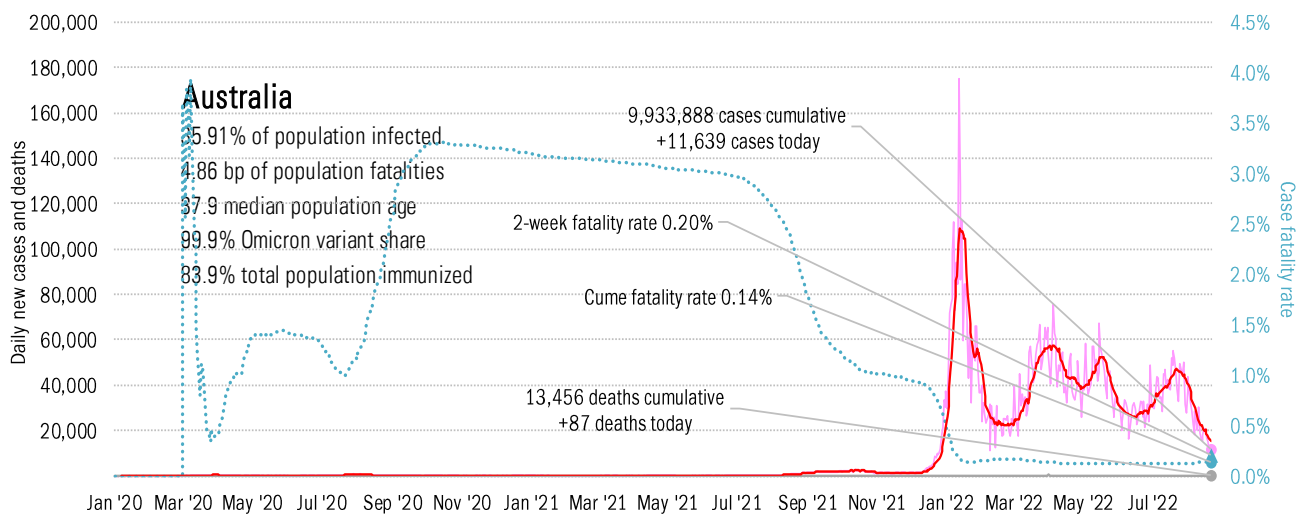
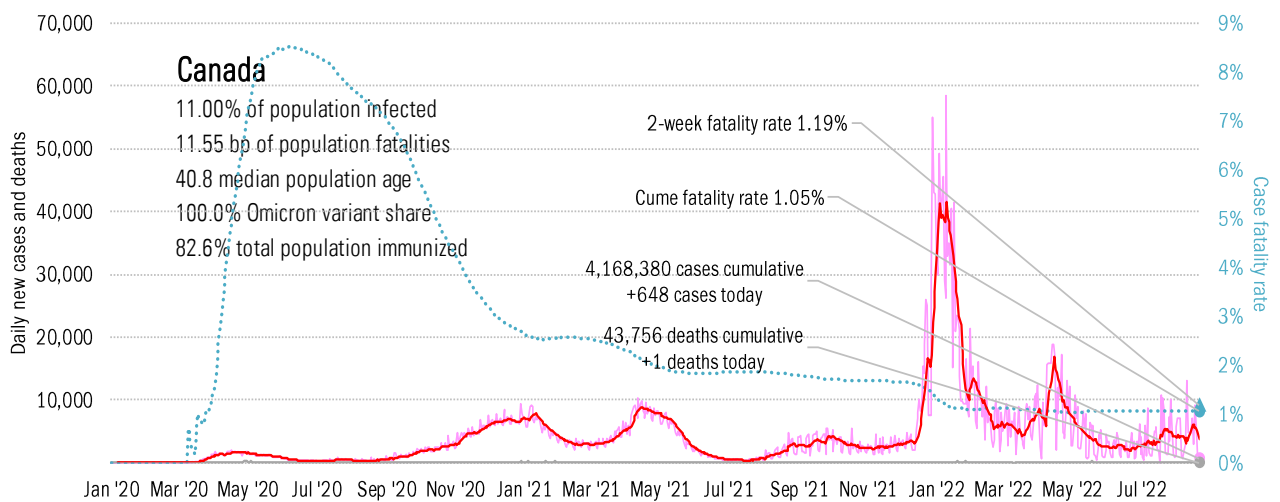
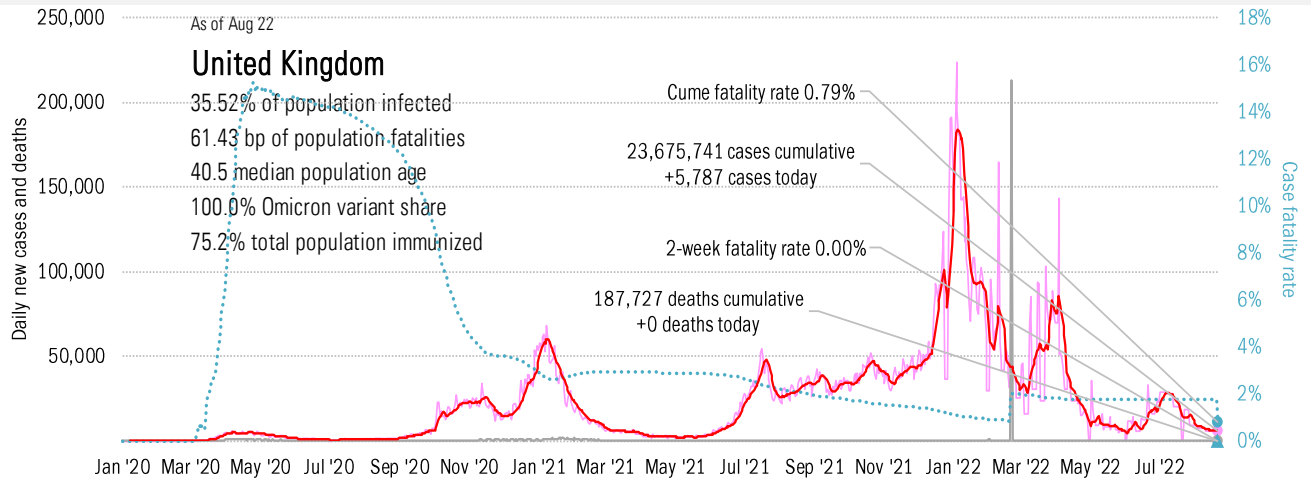


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

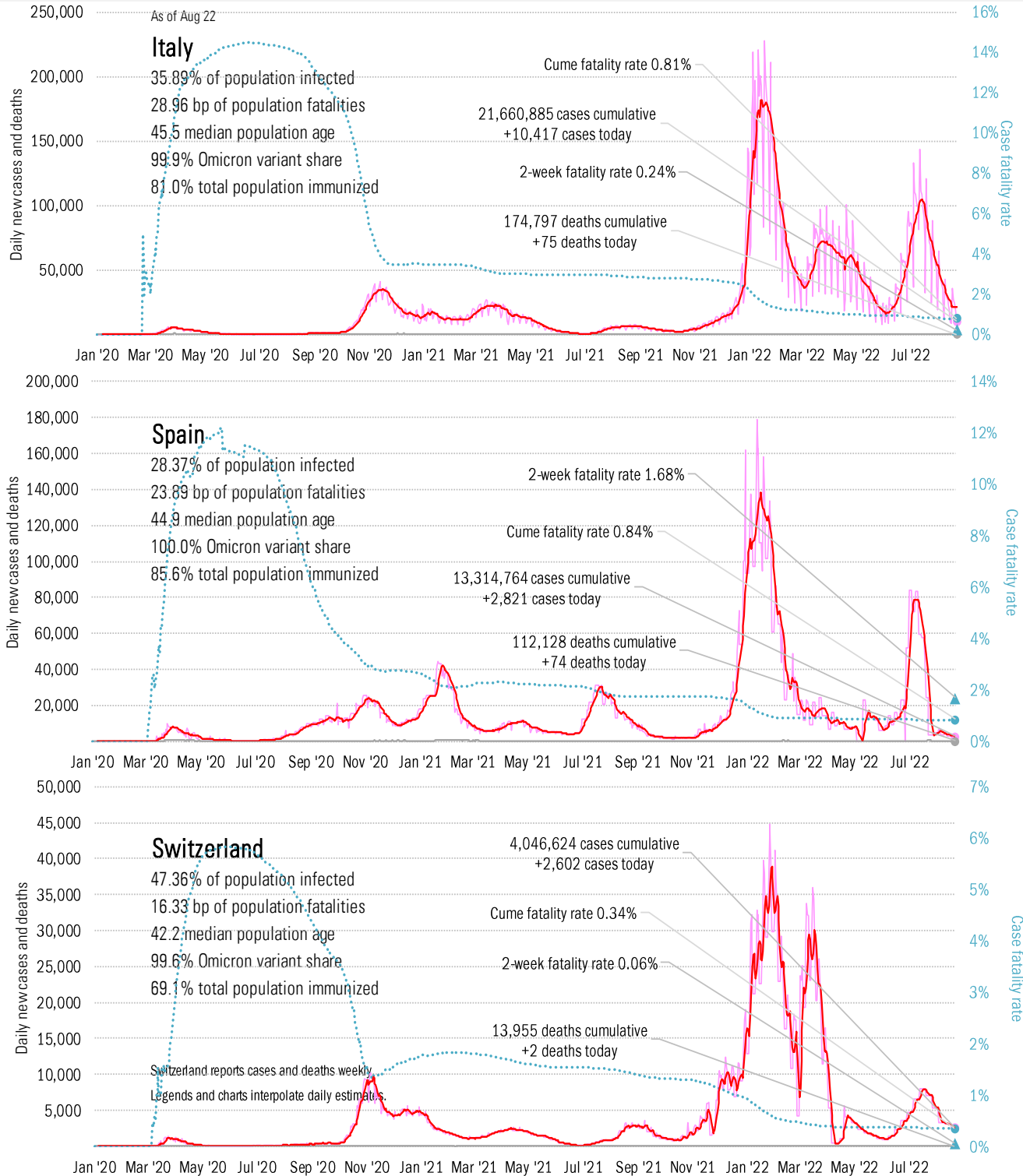
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

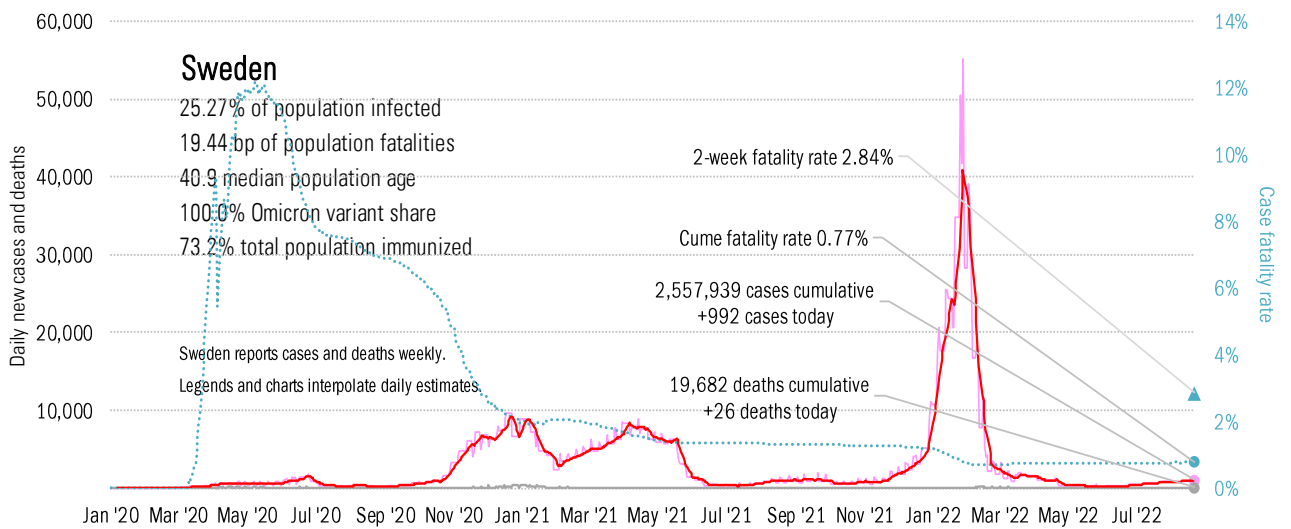
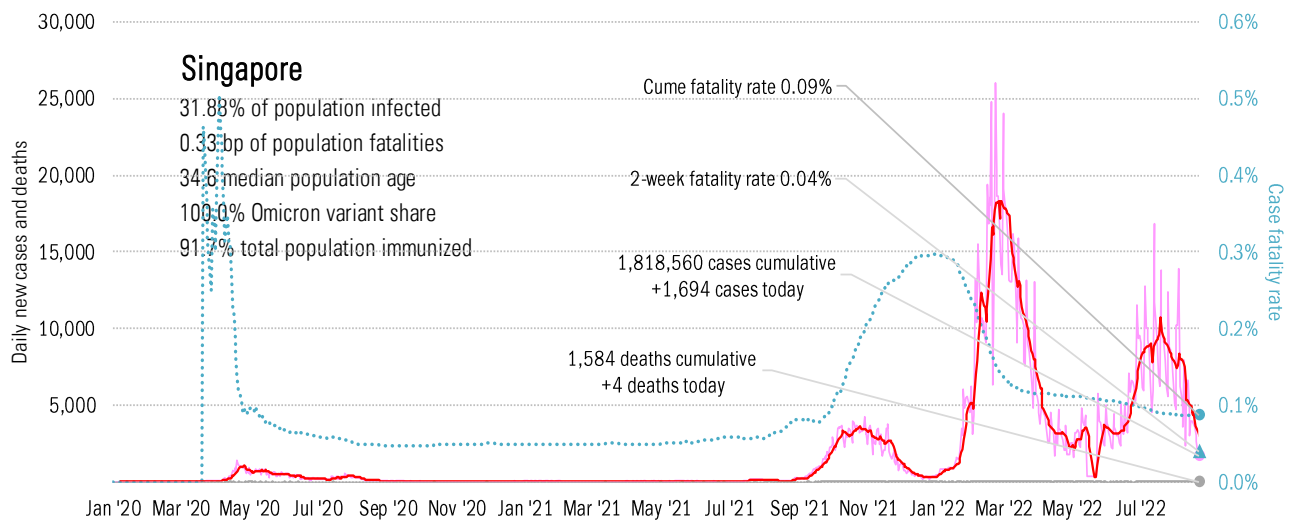
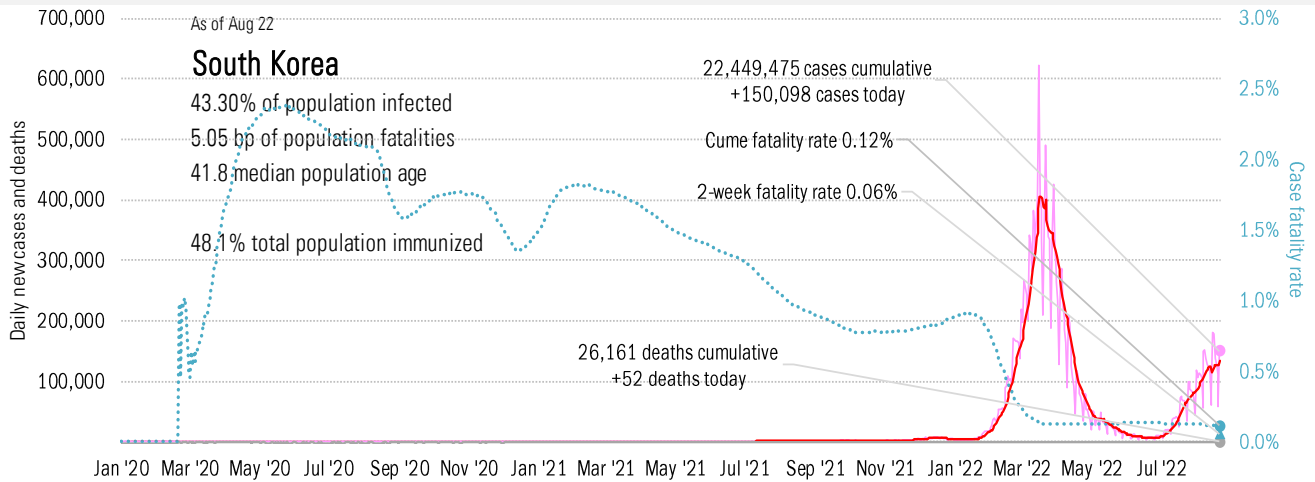
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

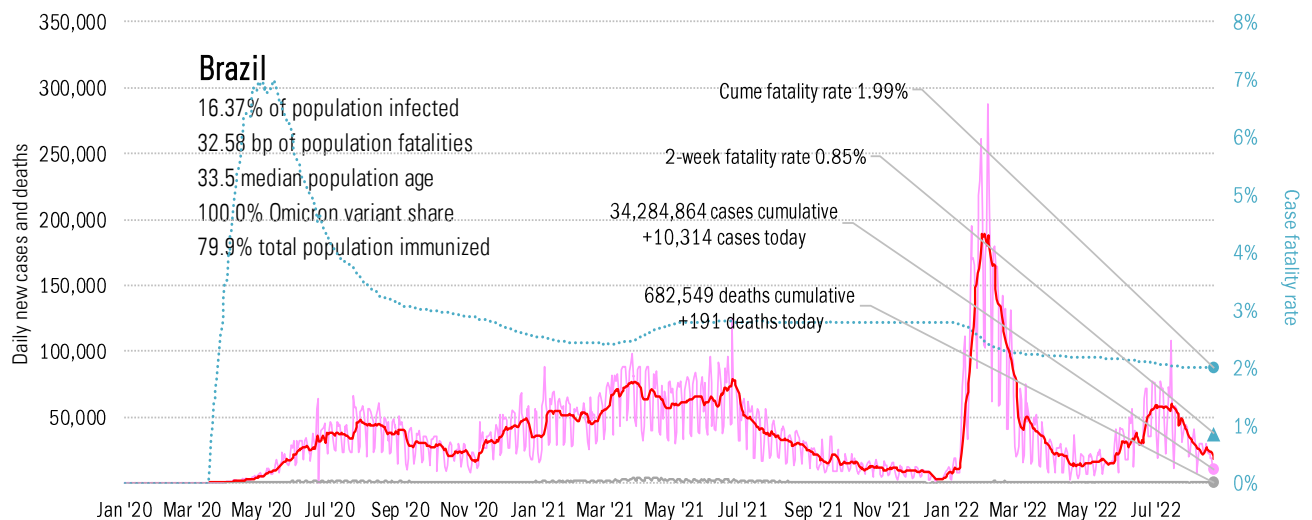
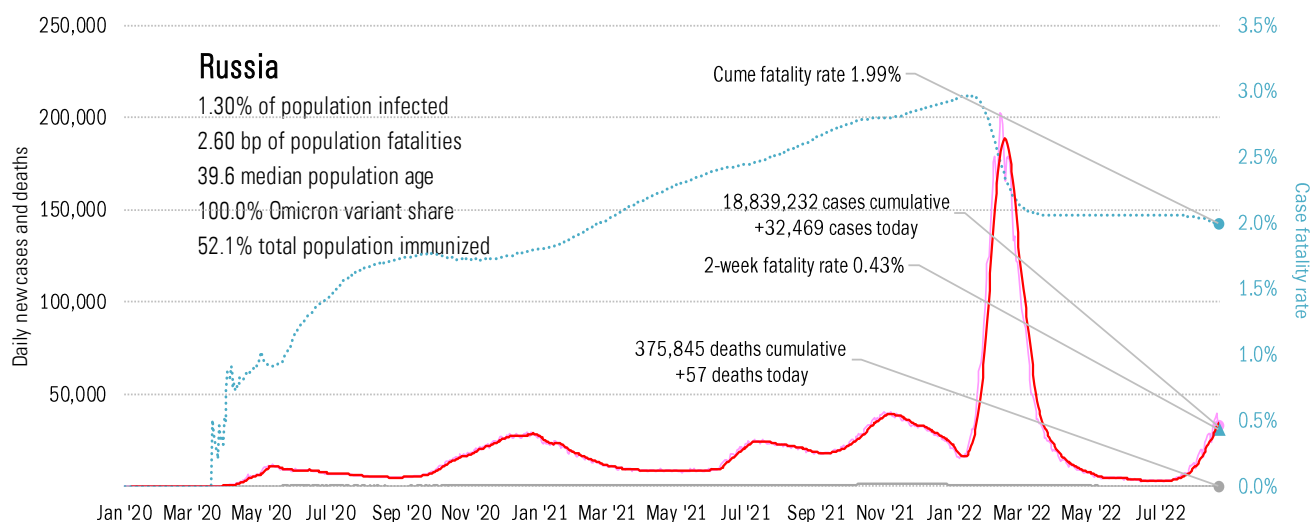
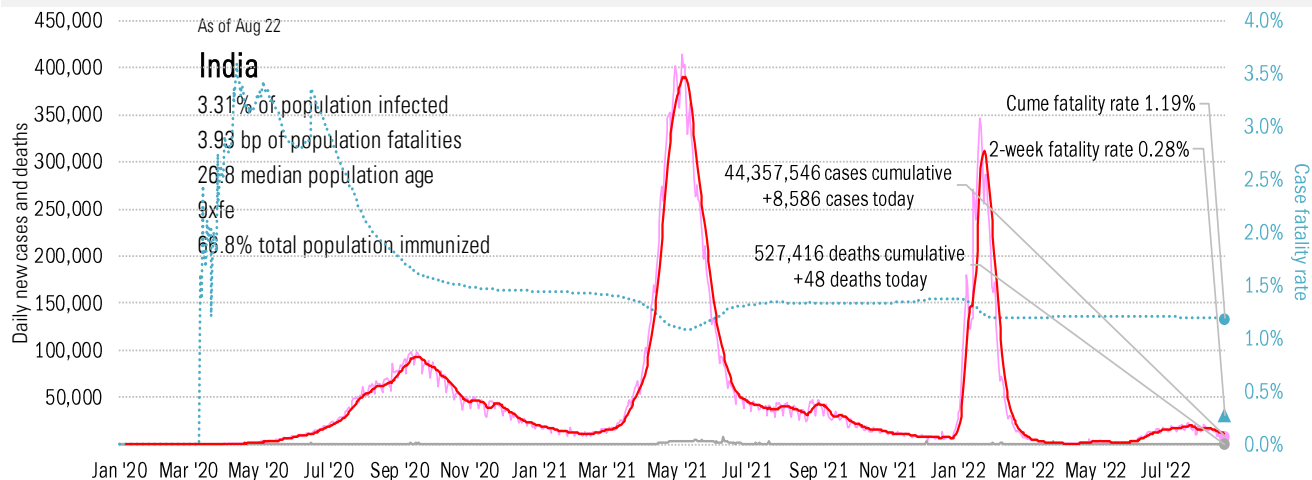
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

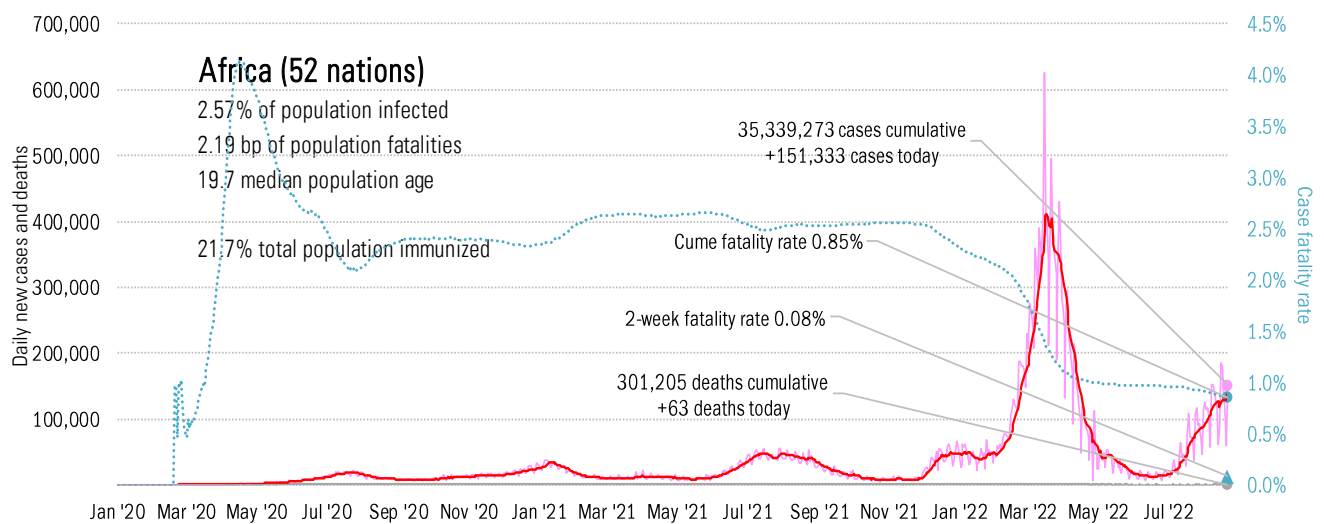
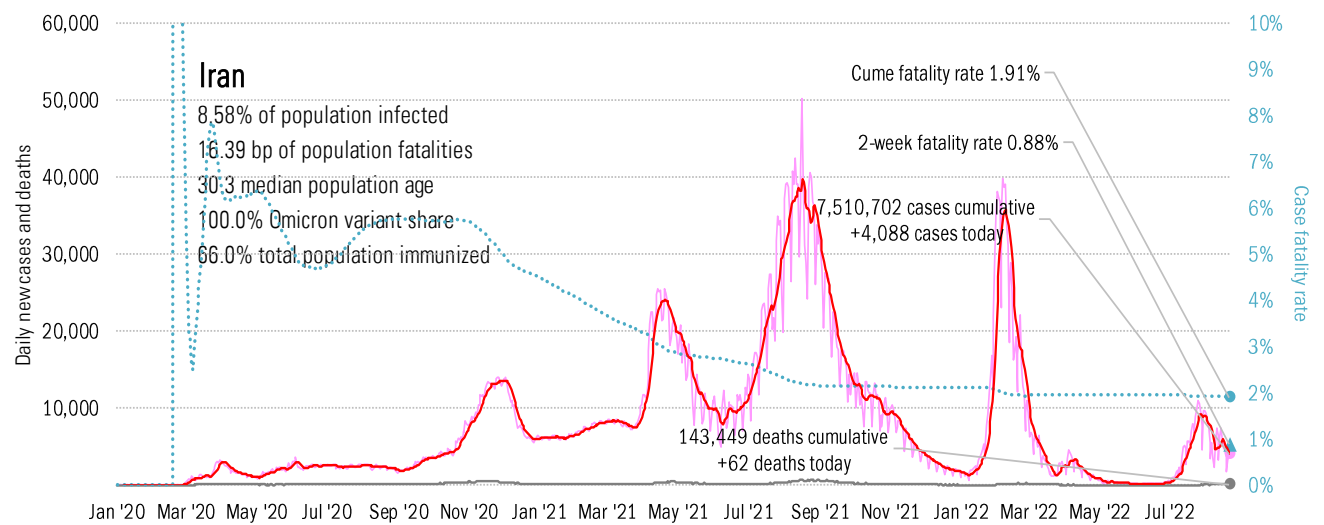
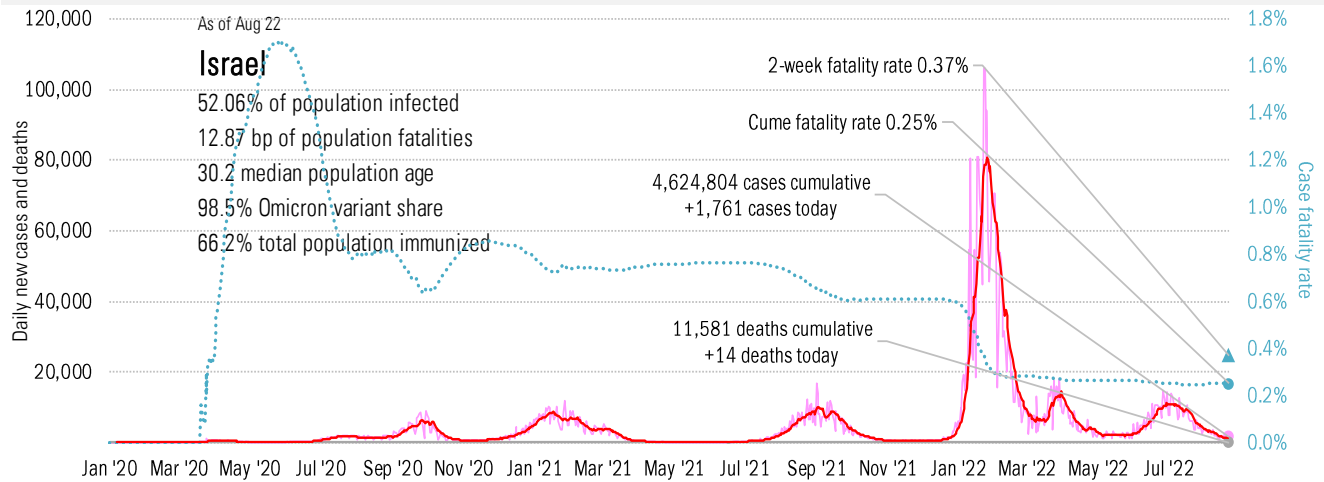
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

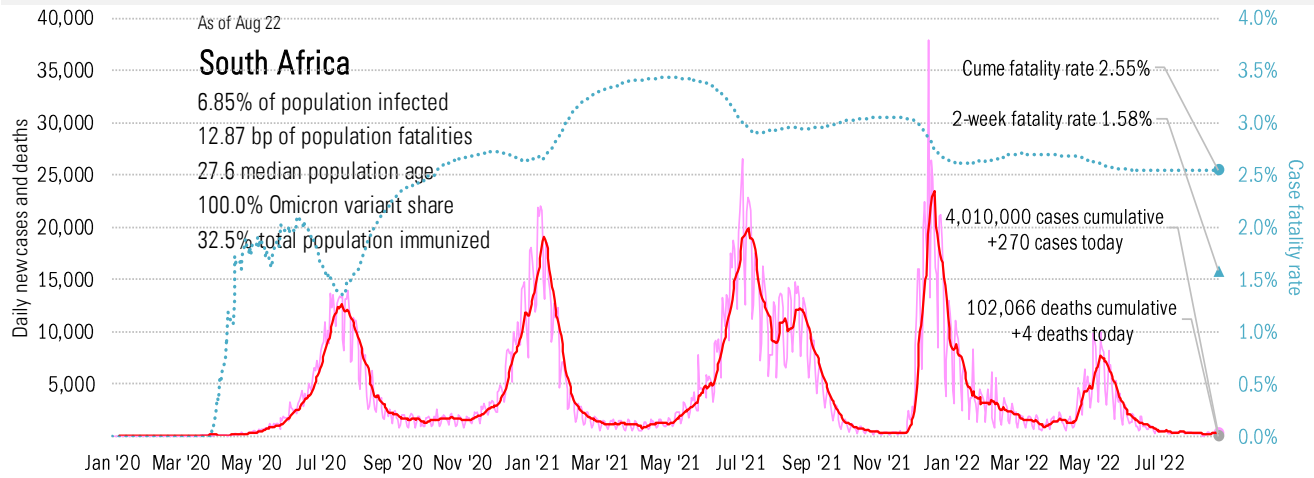
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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