

## Data Insights: Covid-2019 Monitor

Tuesday, September 20, 2022

### The global scorecard

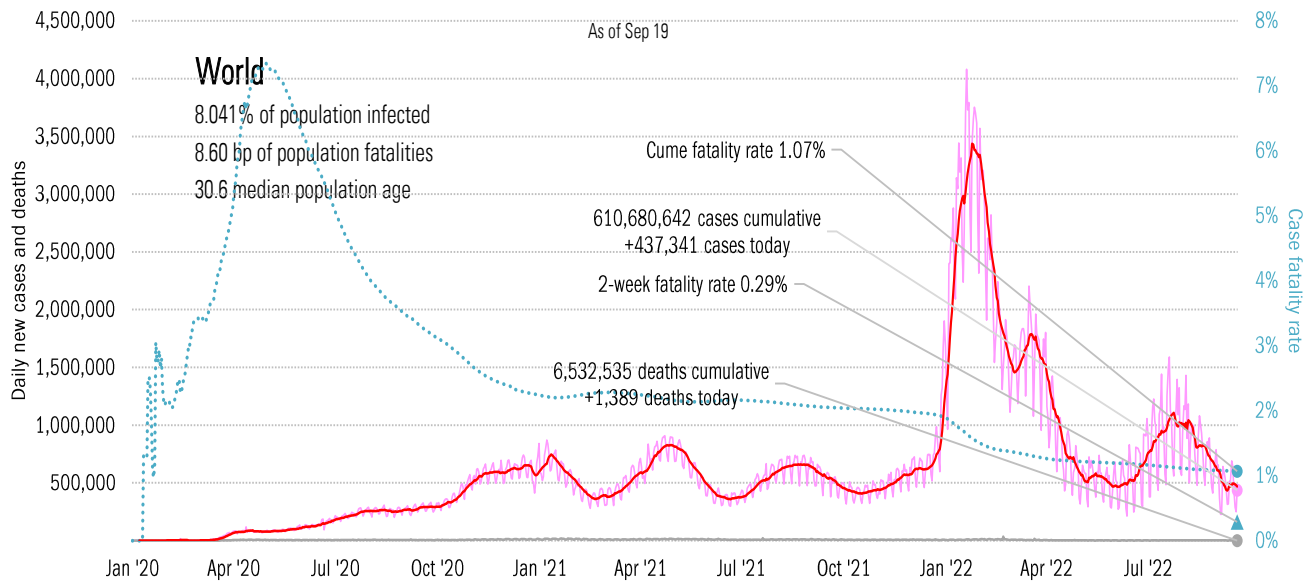
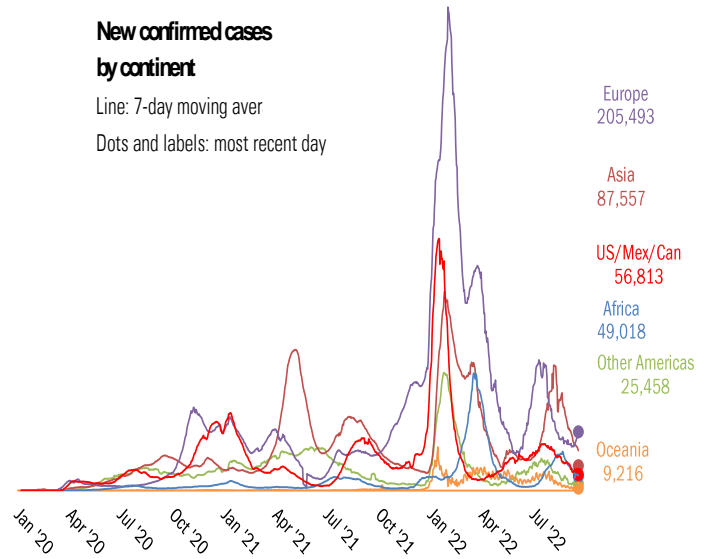
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	65,015	United States	487
France	61,518	Brazil	221
Germany	60,237	Germany	146
Russia	49,037	Russia	90
Korea, South	47,864	Japan	77
Japan	38,037	France	71
Taiwan*	28,422	Philippines	38
Brazil	23,330	Italy	31
Italy	8,257	Taiwan*	31
New Zealand	7,569	Korea, South	24
<b>389,286</b>		<b>1,216</b>	
World	437,341	World	1,389
Top ten	89%	Top ten	88%

#### New confirmed cases by continent

Line: 7-day moving aver  
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

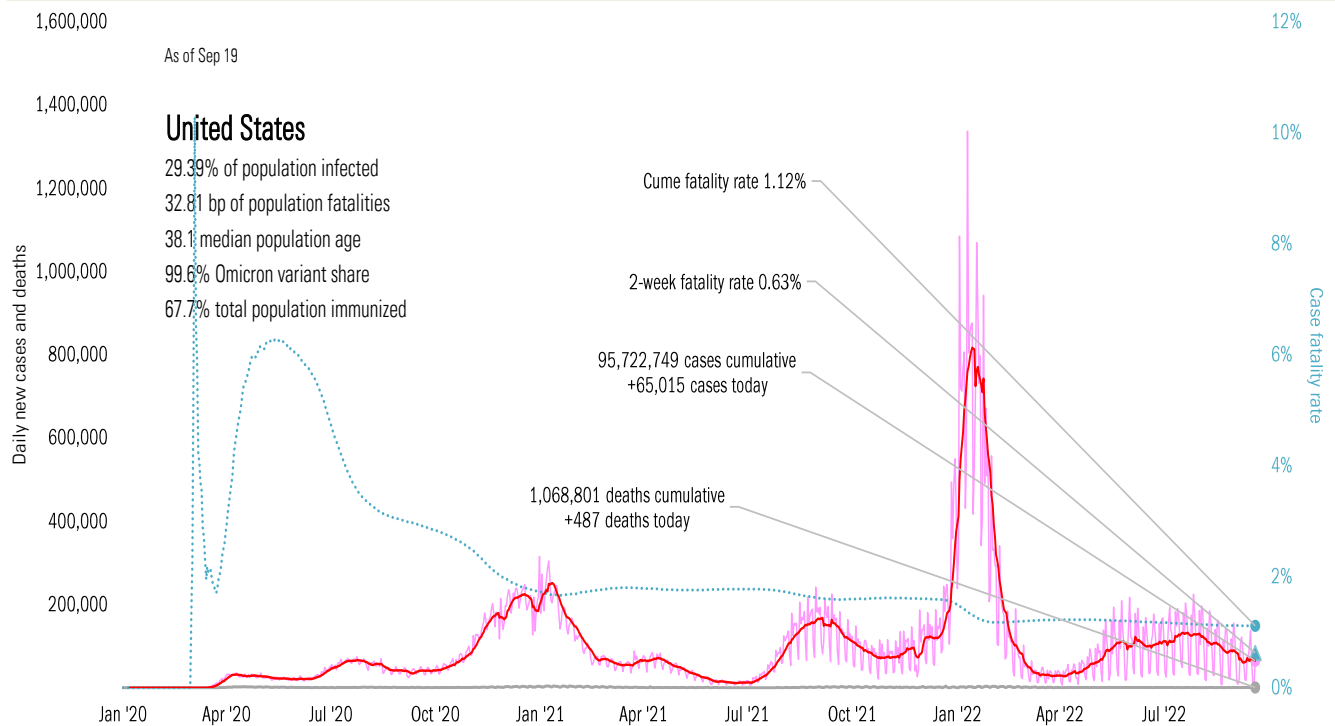
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
TX	10,524		FL	54		CA	414		CA	11,202,686		CA	95,587		TX	542,877		KY	104%	TX	87%								
NY	7,572		MO	40		GA	168		TX	7,959,678		TX	90,666		CA	496,465		RI	92%	ND	87%								
KS	4,247		CA	37		MI	156		FL	7,116,330		FL	80,924		FL	490,398		MA	87%	AK	85%								
CA	3,472		MI	28		MN	85		NY	6,067,583		NY	71,524		NY	296,200		MN	86%	MA	85%								
NC	3,027		TX	27		IL	159		IL	3,738,474		PA	46,970		GA	224,889		WA	83%	RI	83%								
CH	2,936		NY	22		MA	110		PA	3,222,783		GA	40,025		CH	216,427		MO	83%	AL	82%								
WA	2,834		GA	21		VI	75		NC	3,162,491		CH	39,675		PA	201,773		DE	82%	NC	81%								
MI	2,625		PA	20		AZ	48		CH	3,117,109		IL	39,551		IL	185,074		GA	82%	WV	80%								
PA	1,789		WA	16		WV	48		GA	2,893,001		MI	38,317		MI	161,029		MD	81%	MN	79%								
CK	1,776		VI	16		MO	91		MI	2,804,588		NJ	34,679		KY	143,905		WV	81%	WA	79%								
40,802			281			1,354			51,284,723			577,918			2,959,037														
All states			65,015			487			3,836			All states			95,722,749			1,068,801			5,368,023			All states		70%		67%	
Top ten			63%			58%			35%			Top ten			54%			55%			55%			Median		76%		72%	

Some states not reporting

## Five most improved US states

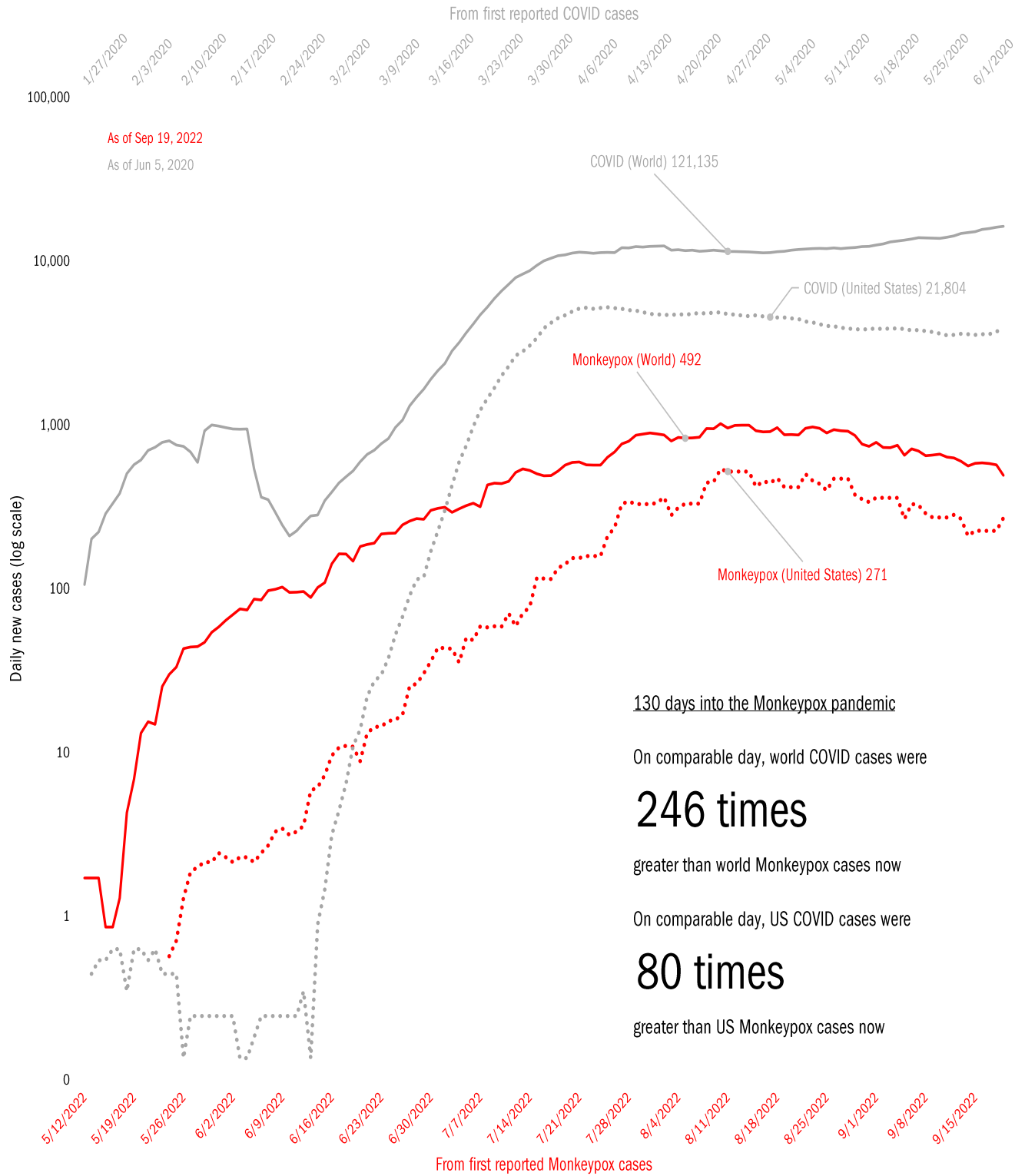
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-15,717	WA	-35	NY	-131
MO	-6,798	TX	-26	KY	-37
CA	-2,136	NY	-18	TX	-25
WA	-1,942	IN	-15	FL	-15
NJ	-1,010	ID	-12	ID	-15



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

# The Monkeypox contextualizer

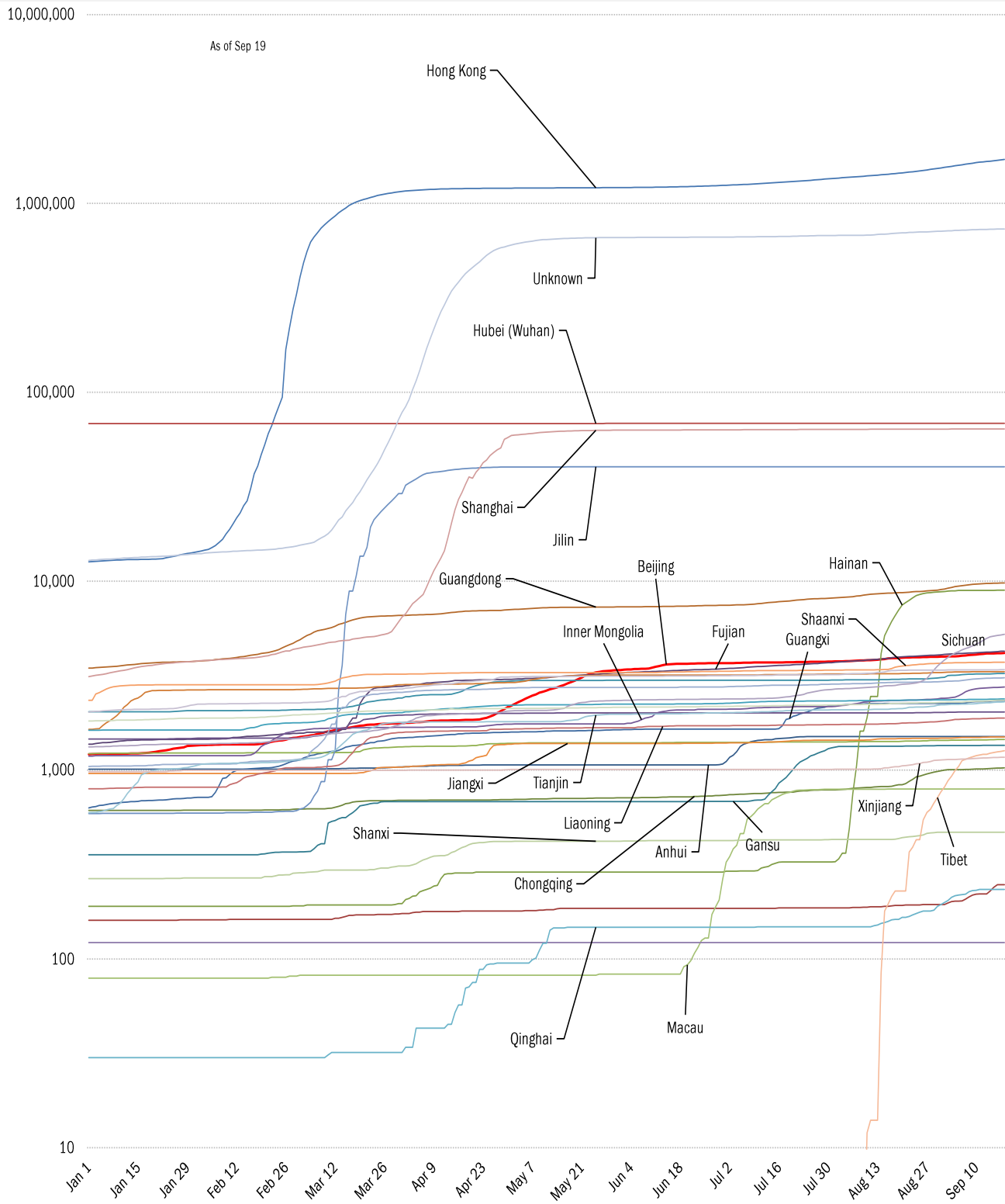
## The course of case growth versus COVID



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

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

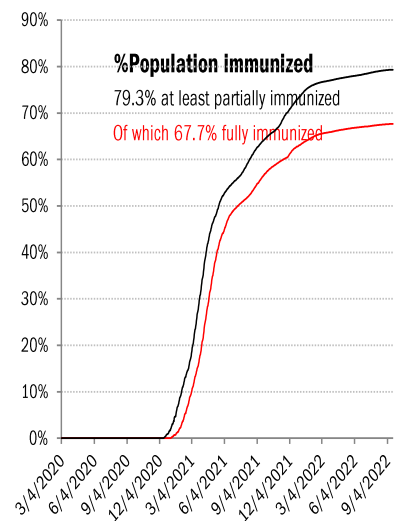
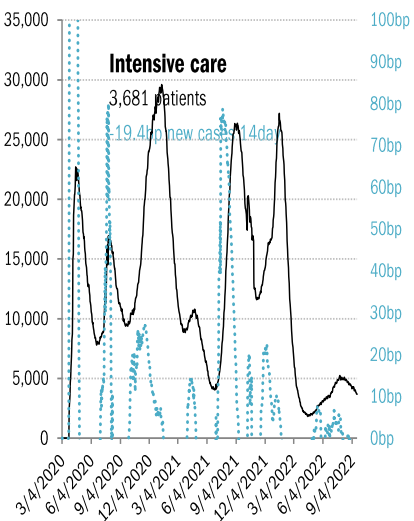
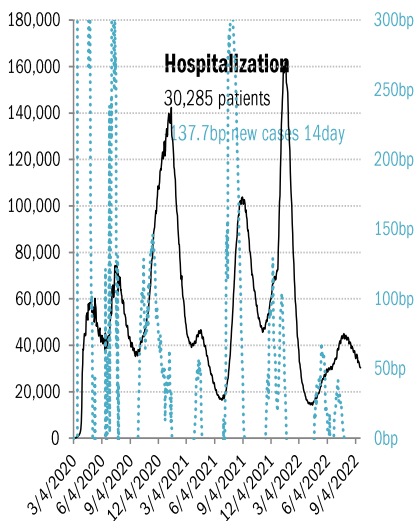
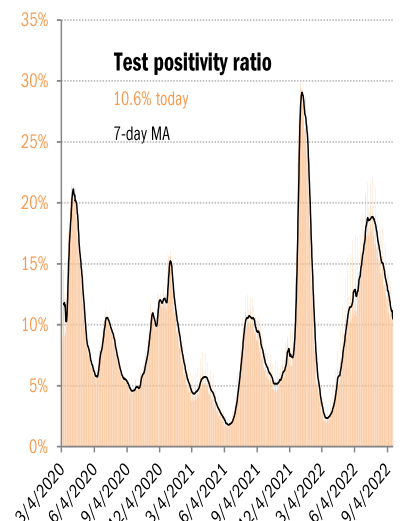
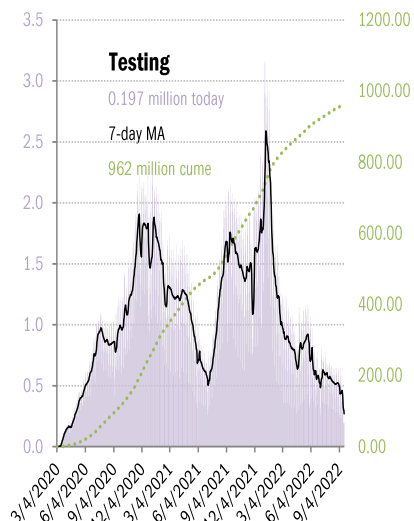
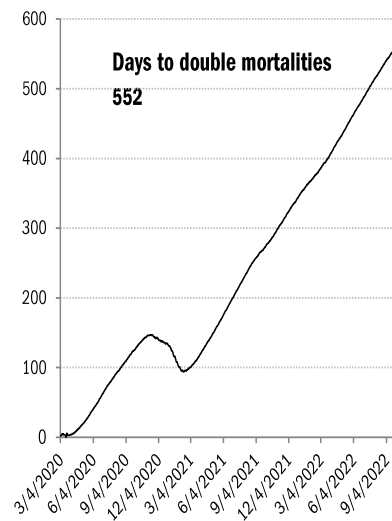
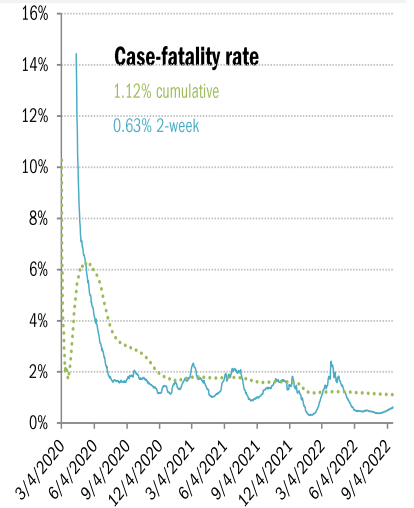
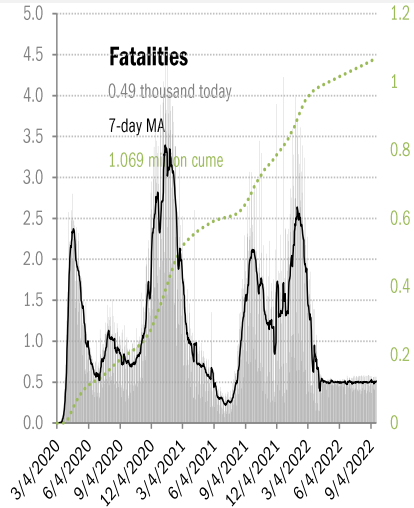
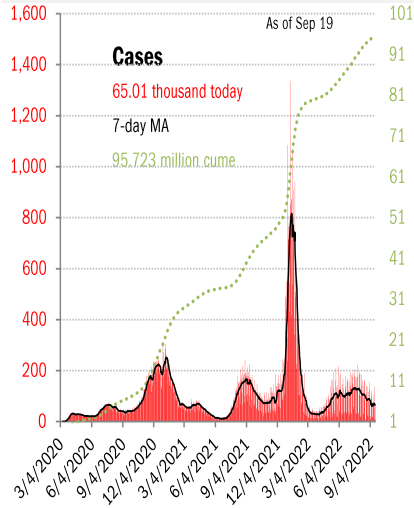
*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*



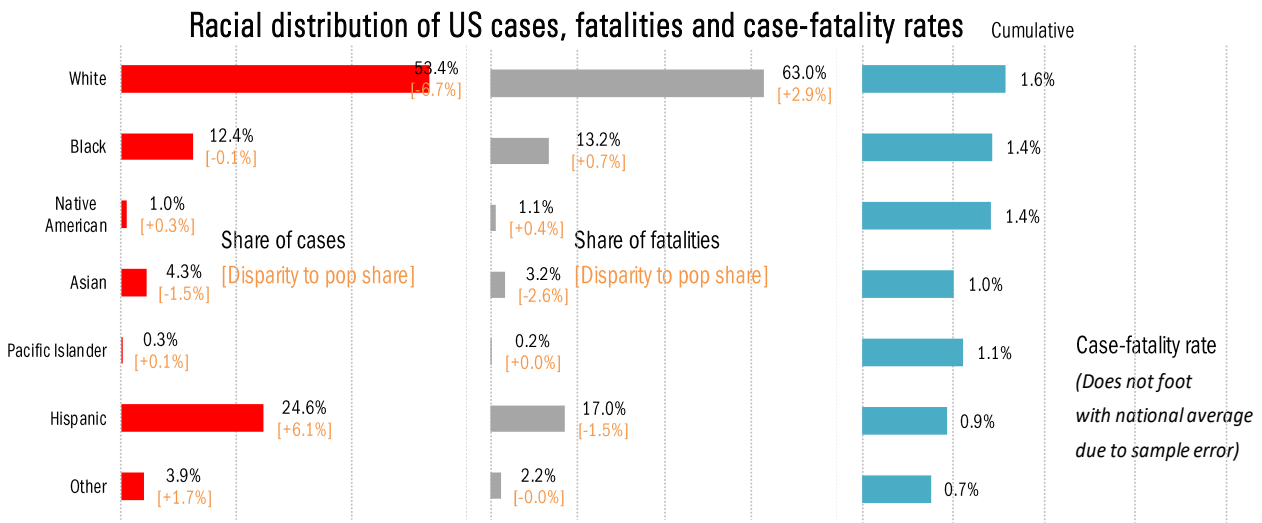
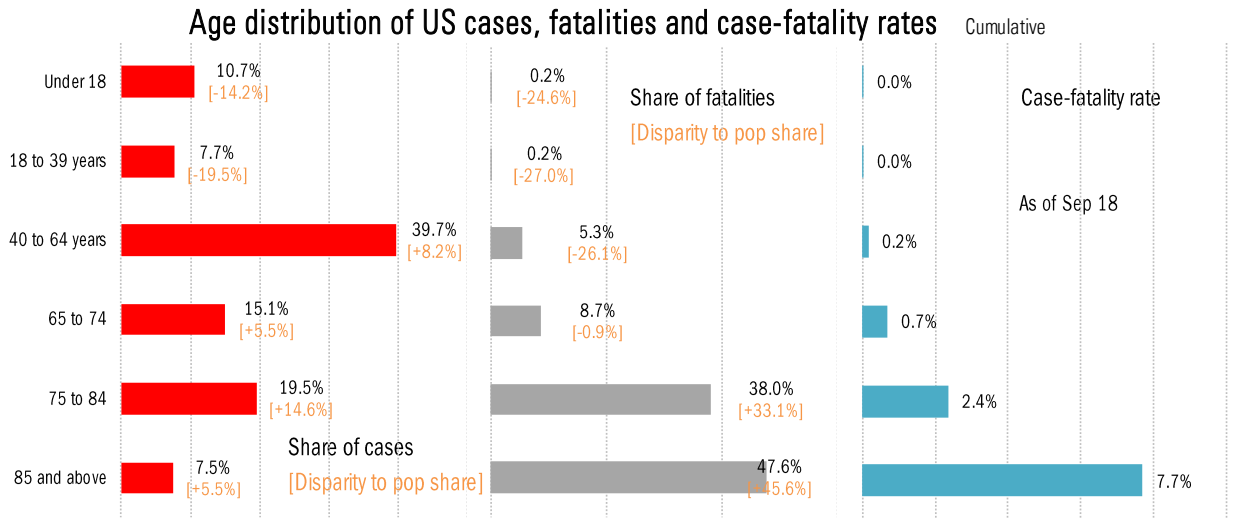
Source: [Johns Hopkins](#), TrendMacro calculations



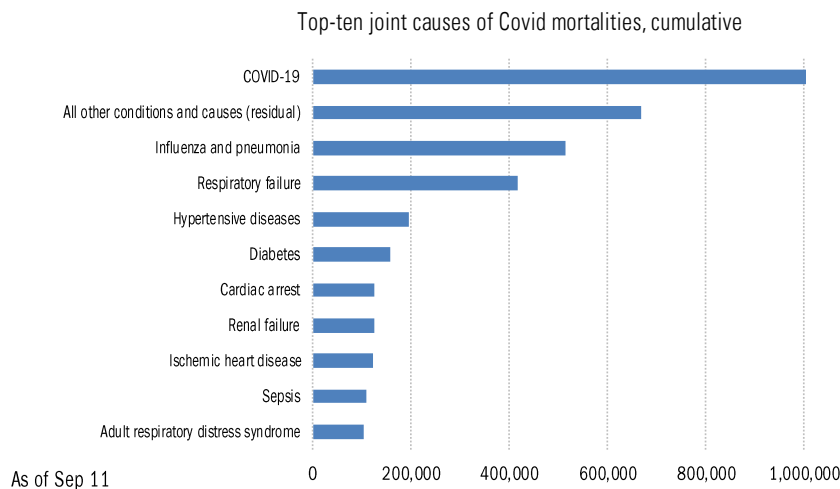
# US deep-dive



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

### ['Very Harmful' Lack of Data Blunts U.S. Response to Outbreaks](#)

Sharon LaFraniere  
*New York Times*  
September 20, 2022

### ['Dirty tricks': Hochul boosters accused of 'deceit' in pre-filled ballot applications](#)

Zach Williams  
*New York Post*  
September 12, 2022

### [Is the Pandemic 'Over,' or Not?](#)

*Wall Street Journal*  
September 19, 2022

### [HHS expected to renew COVID-19 PHE for 11th time](#)

Molly Gamble  
*Hospital CFO Report*  
September 14, 2022

### [Twitter and Facebook and YouTube lose; the First Amendment wins](#)

Alex Berenson  
*Unreported Truths*  
September 19, 2022

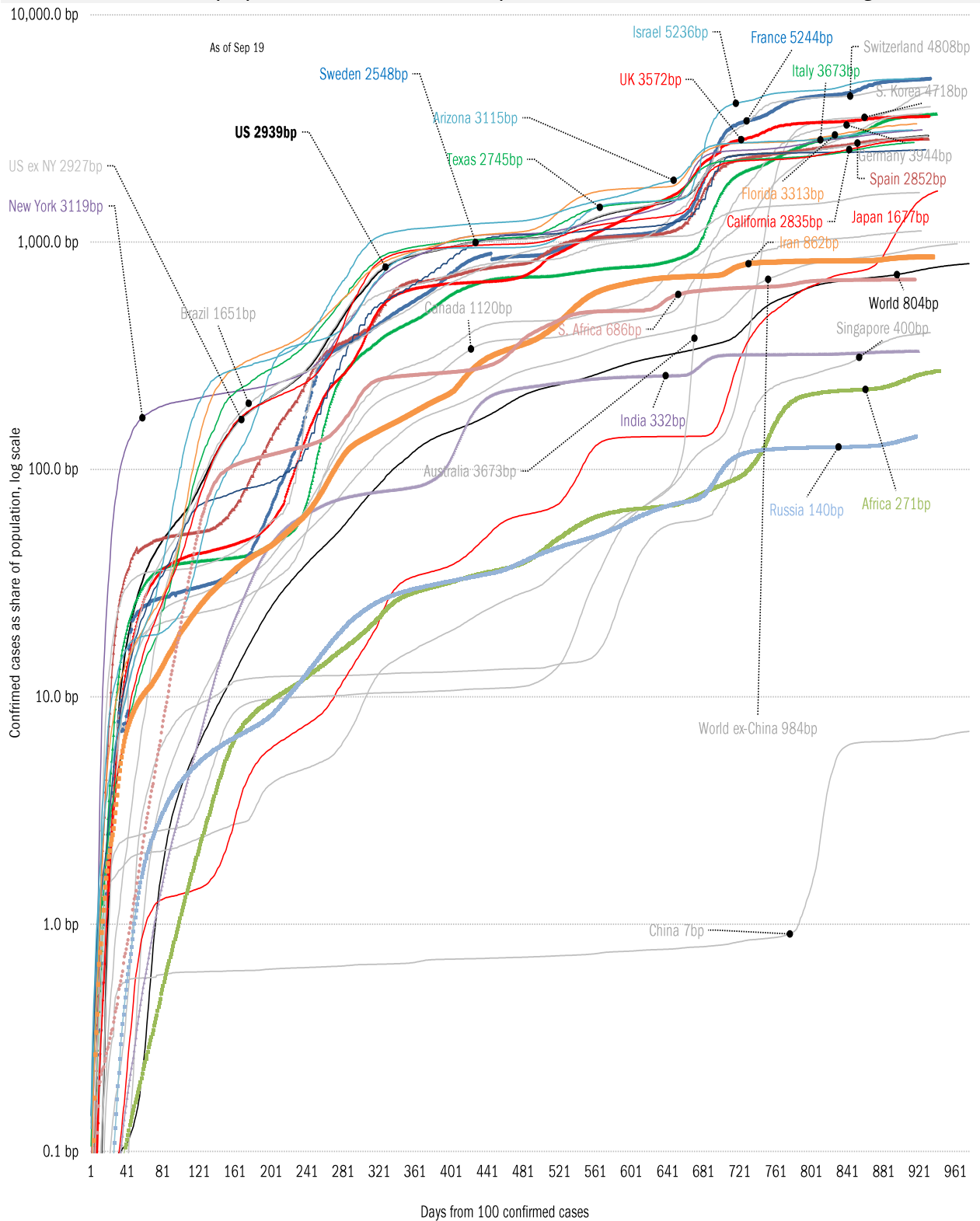
## Meme of the day



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

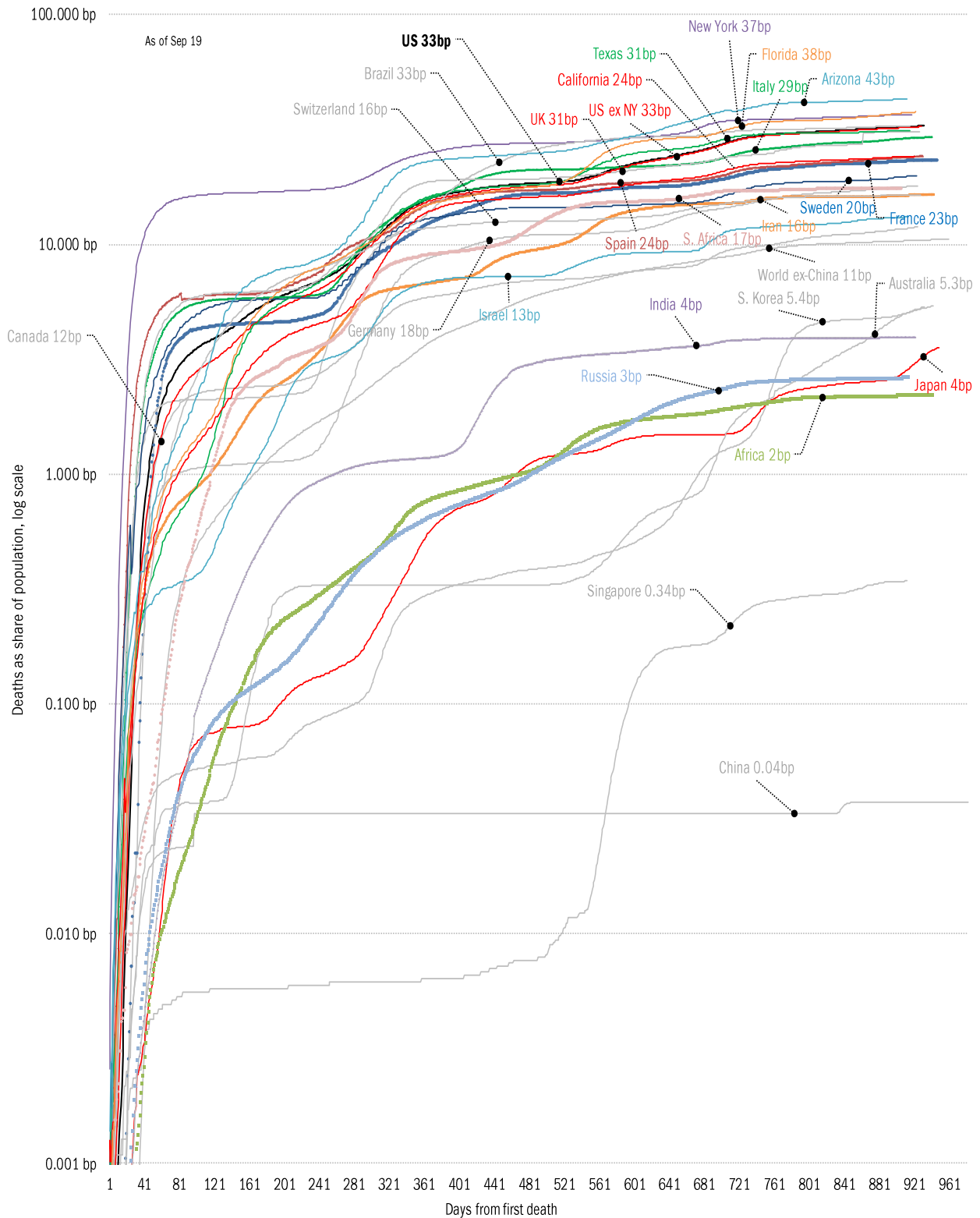


The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

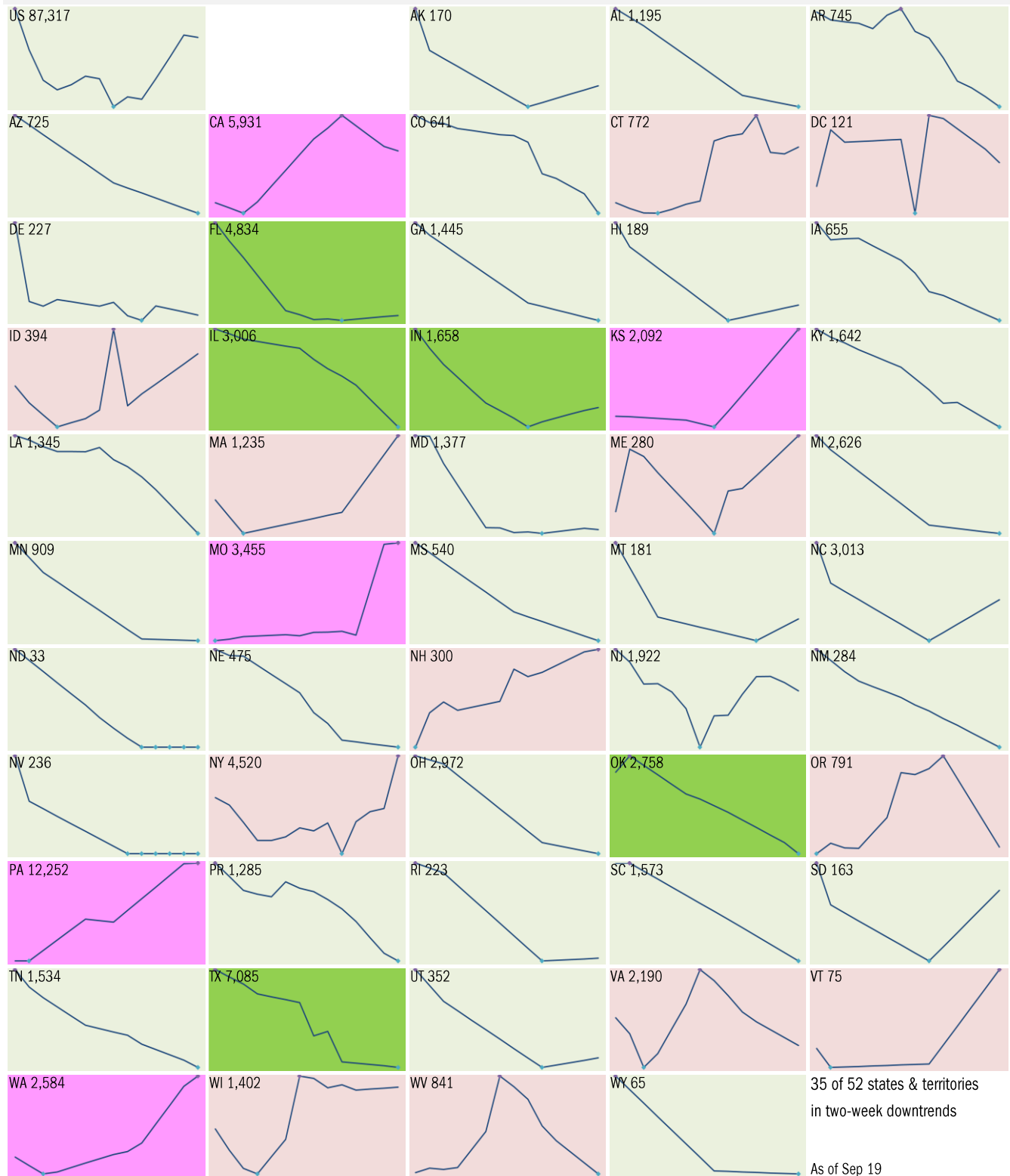


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

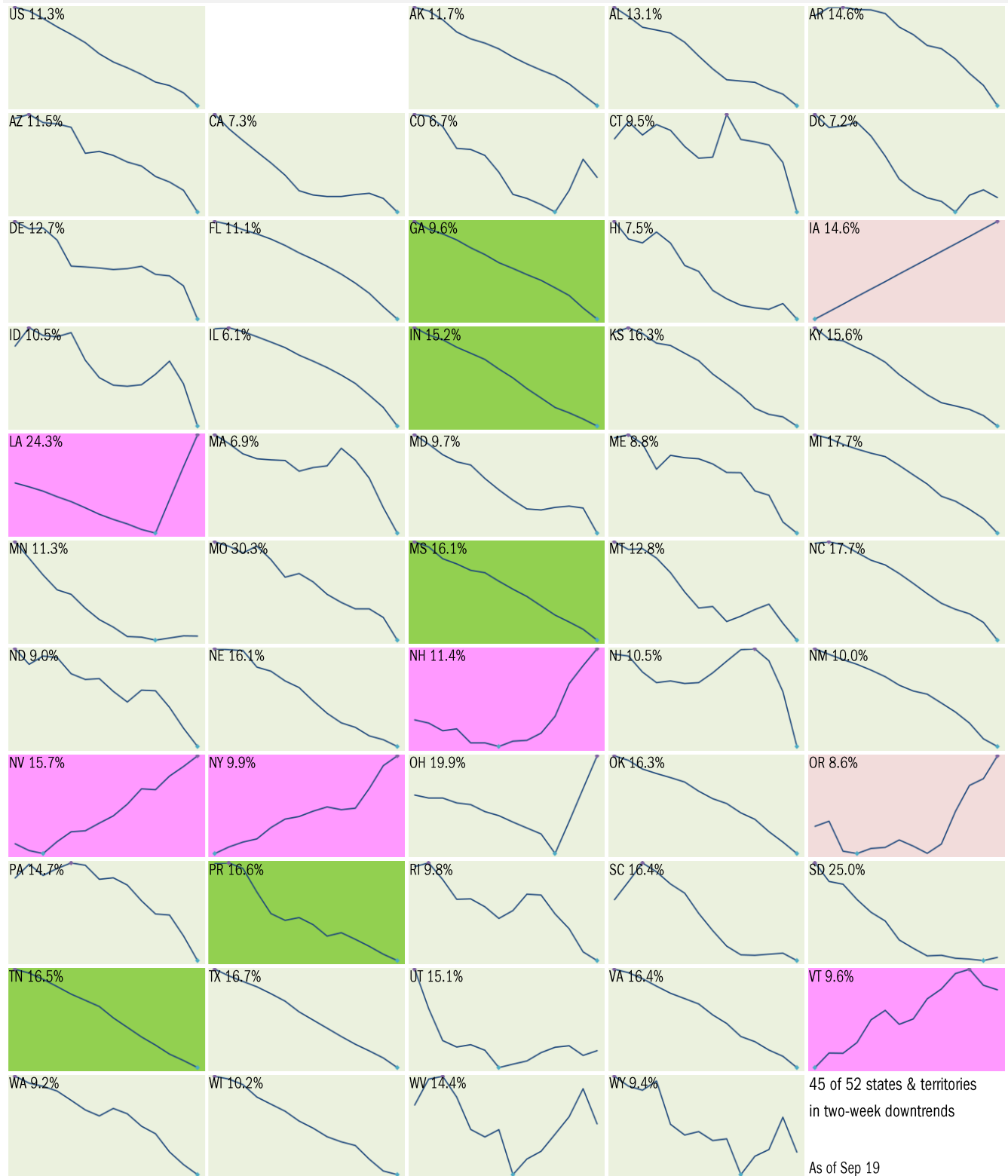


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

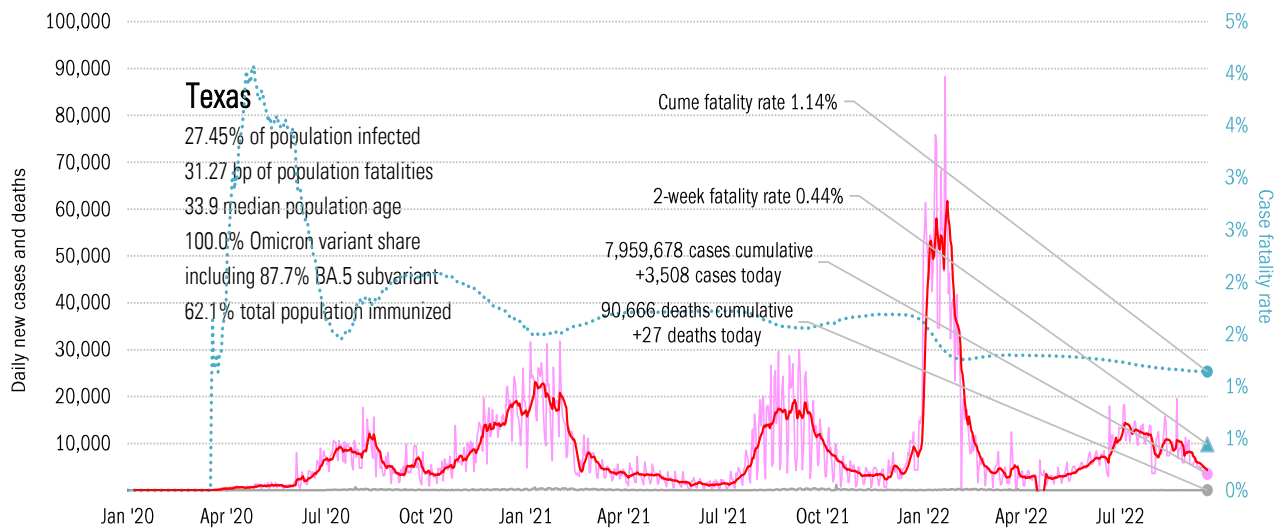
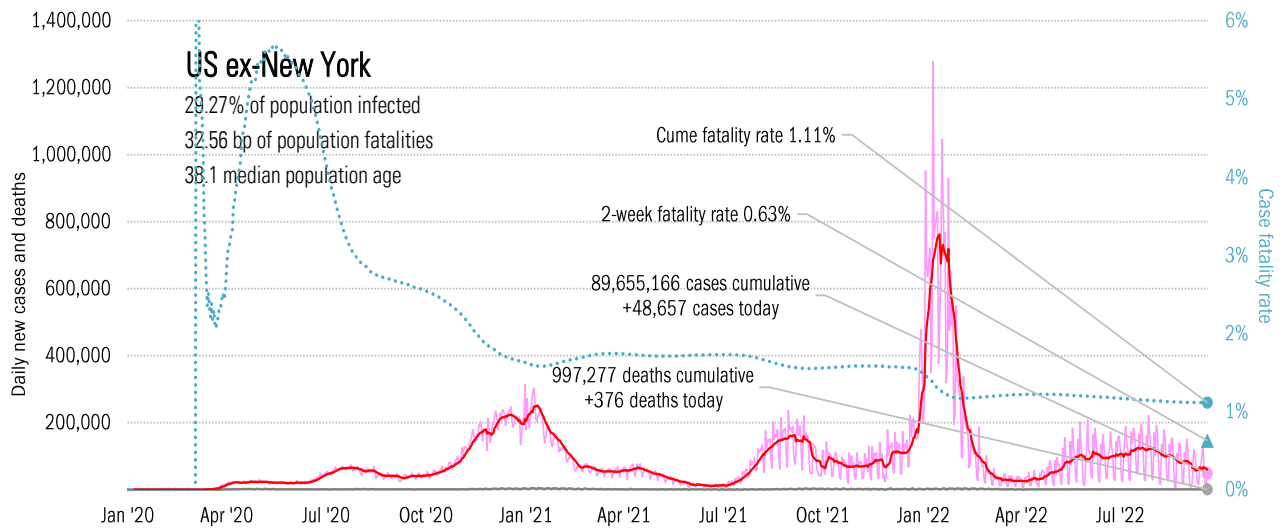
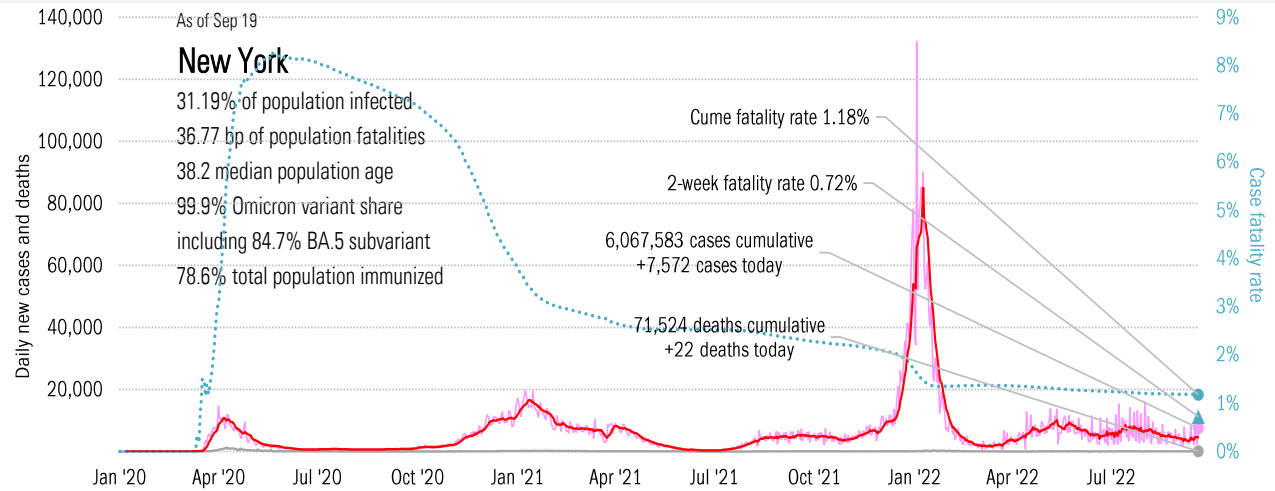
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

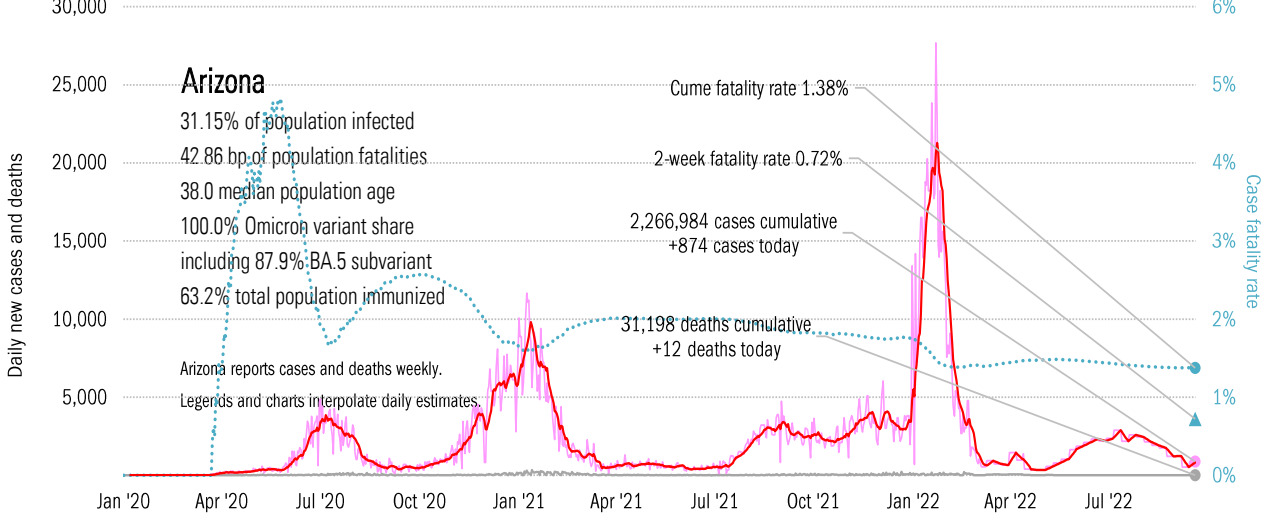
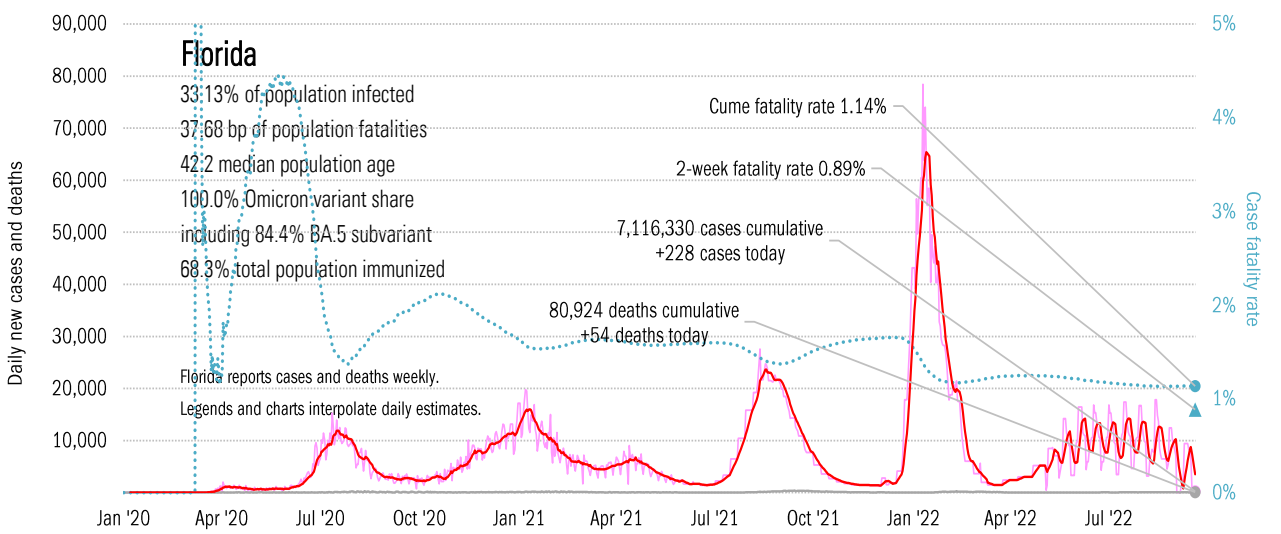
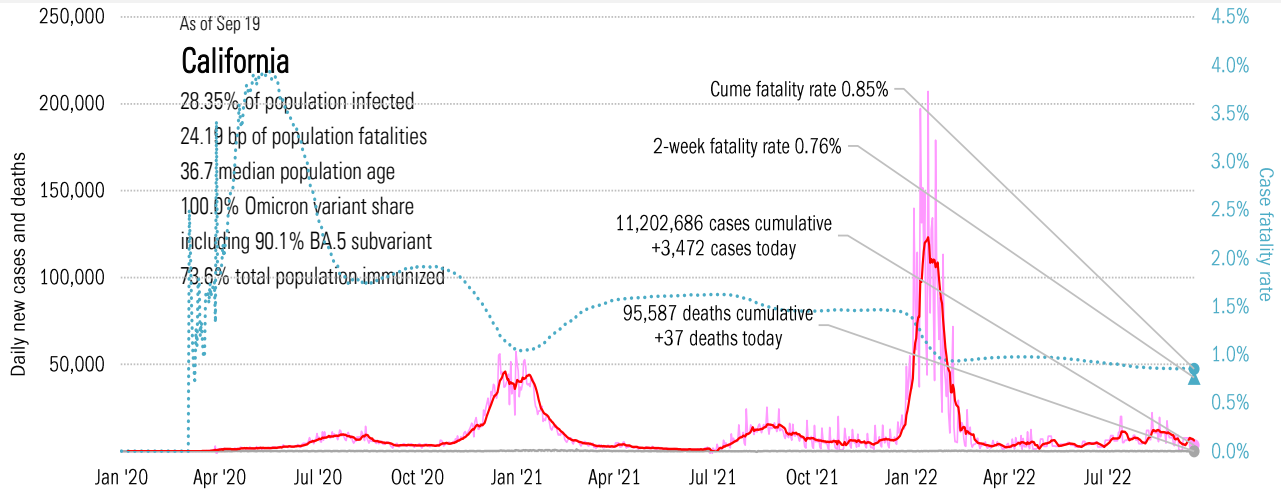
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

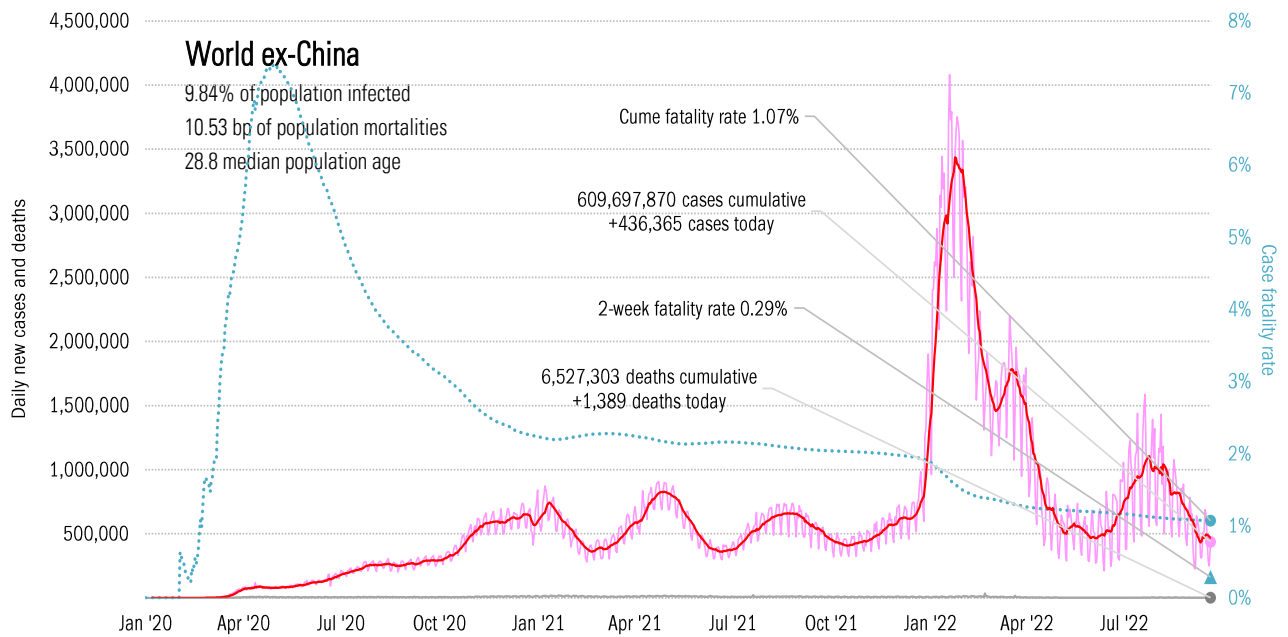
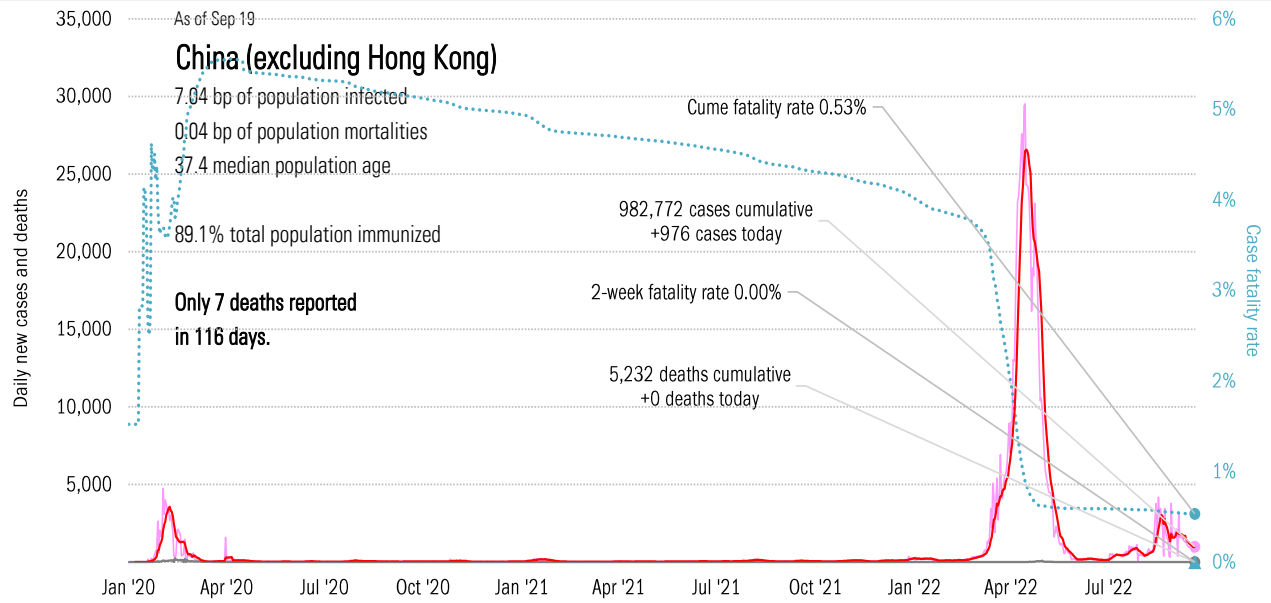


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

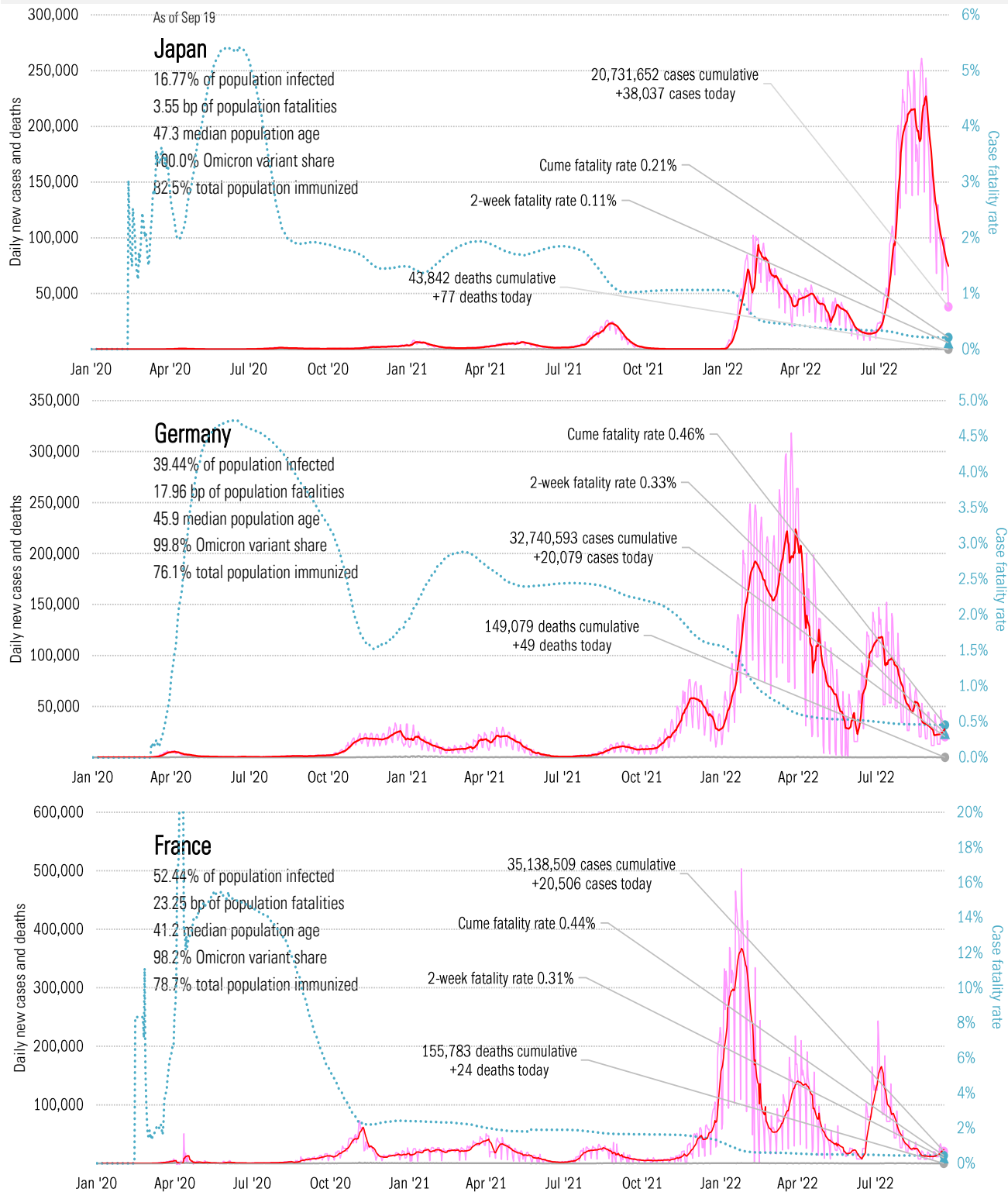
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Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies

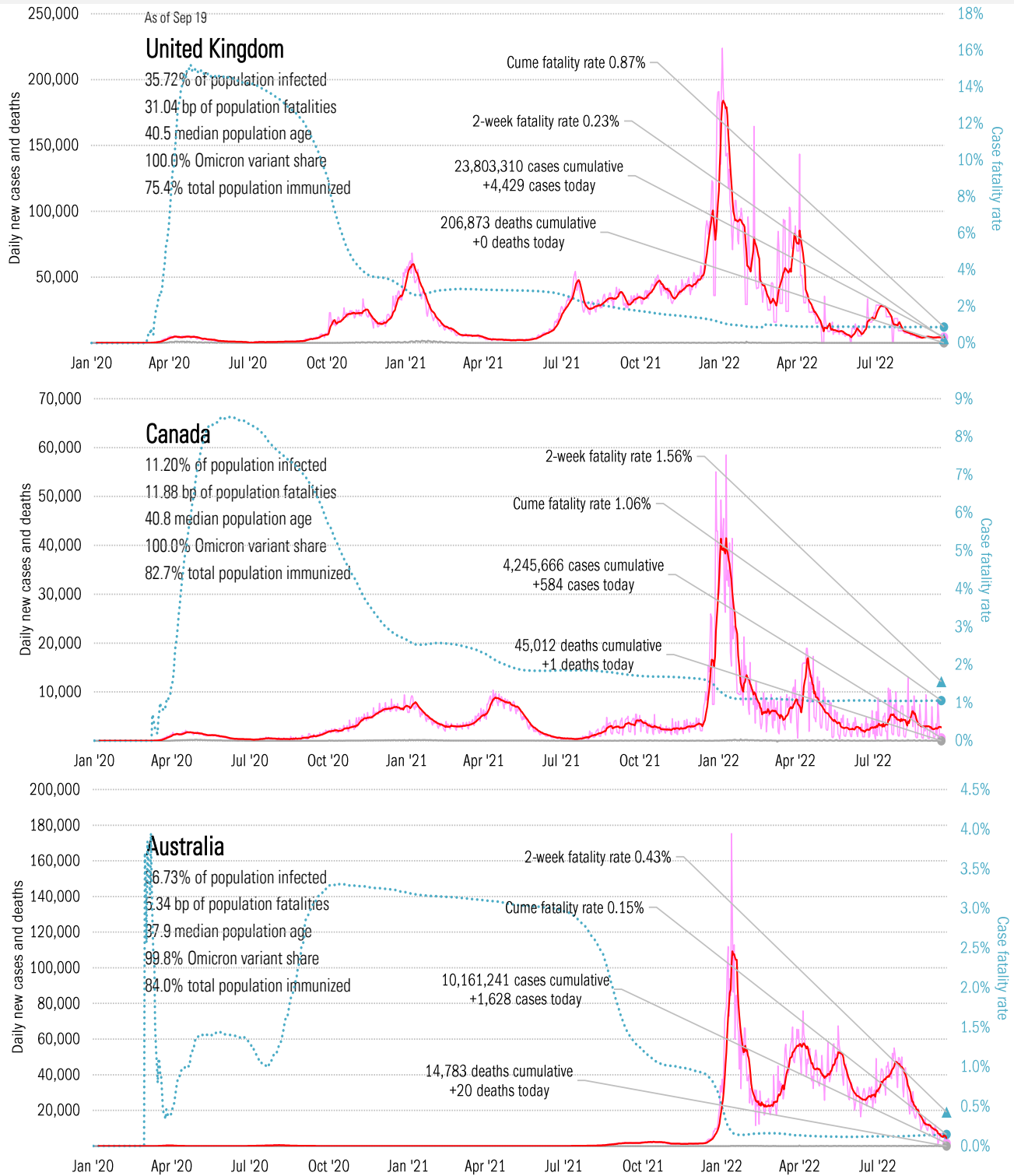
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

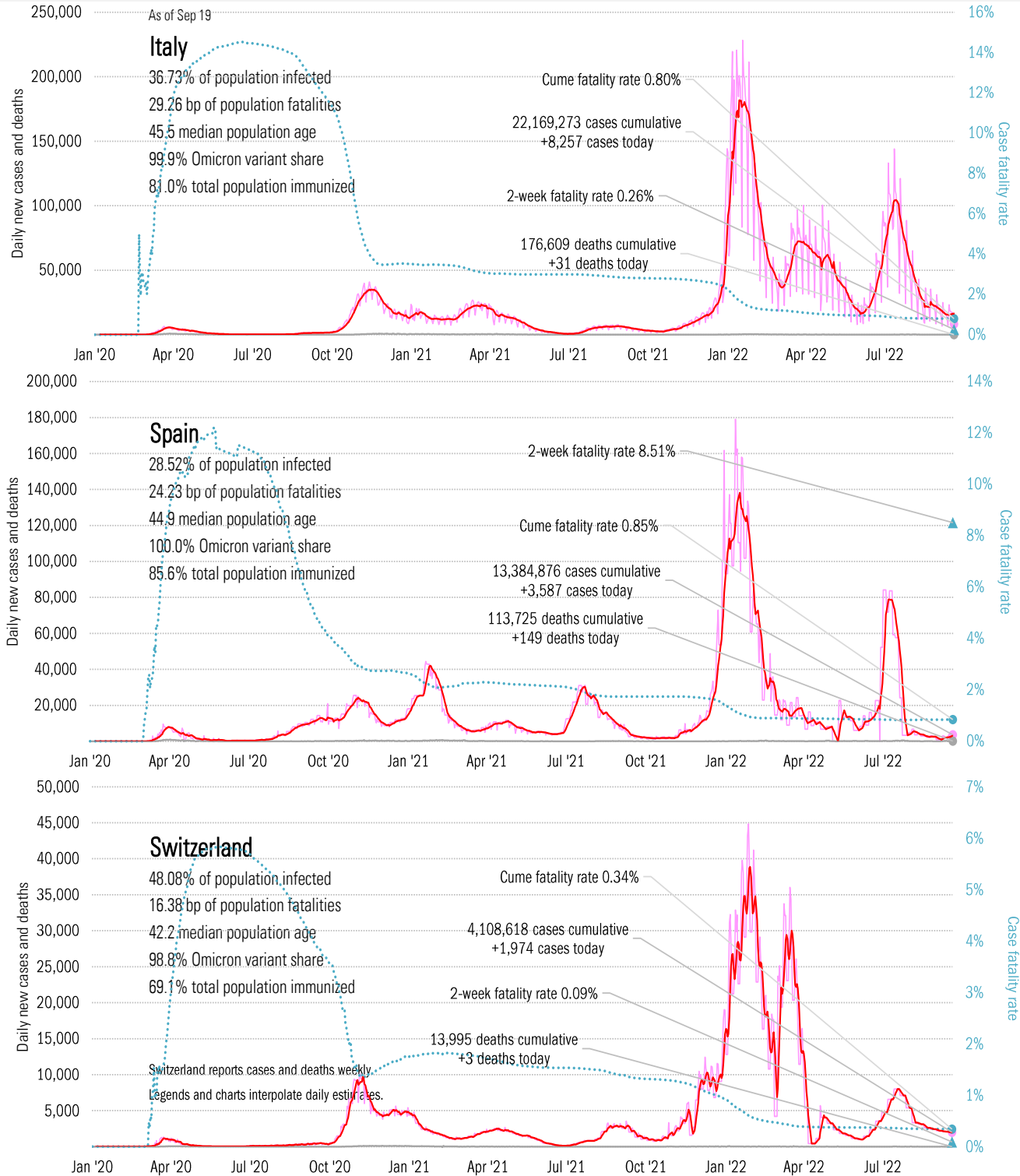
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

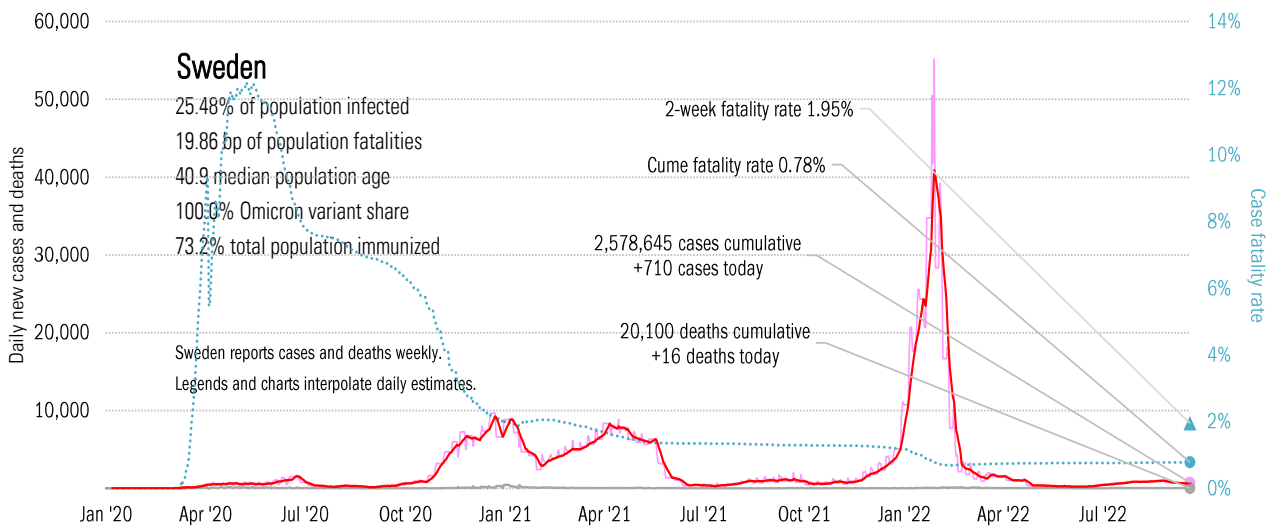
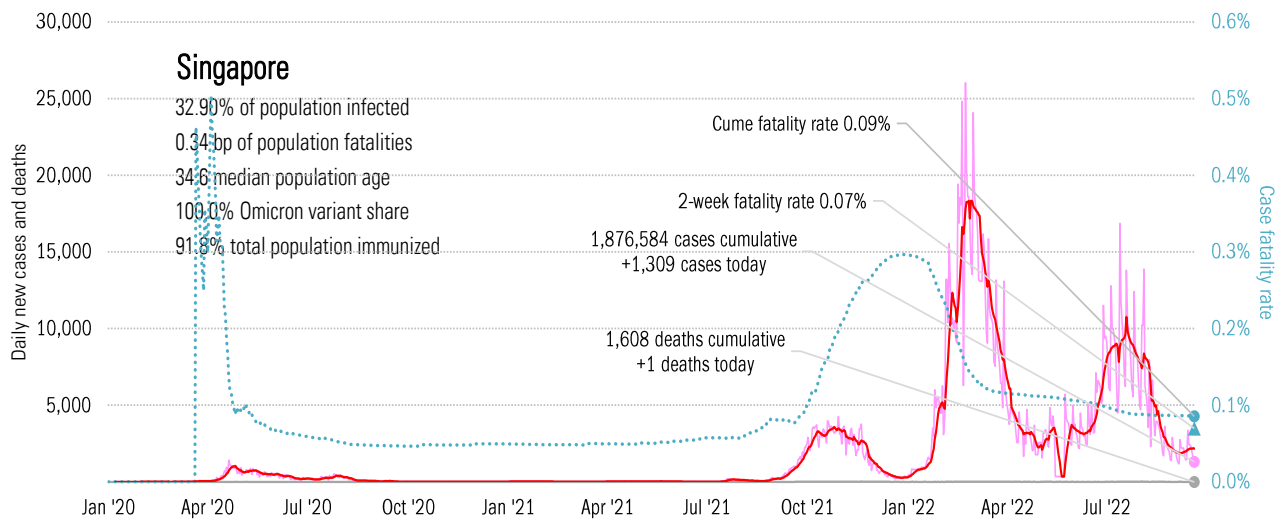
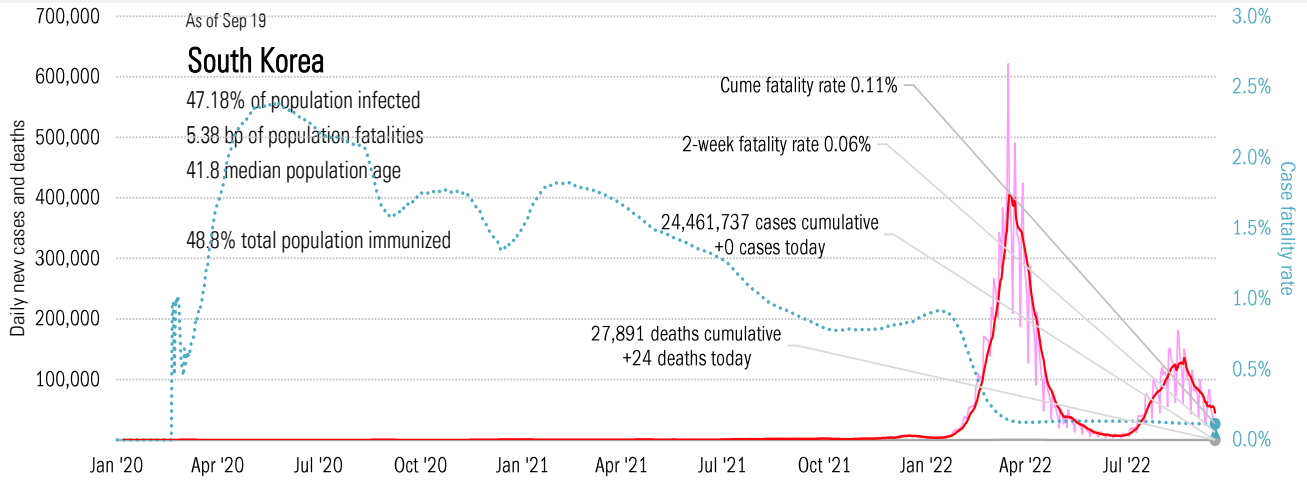
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

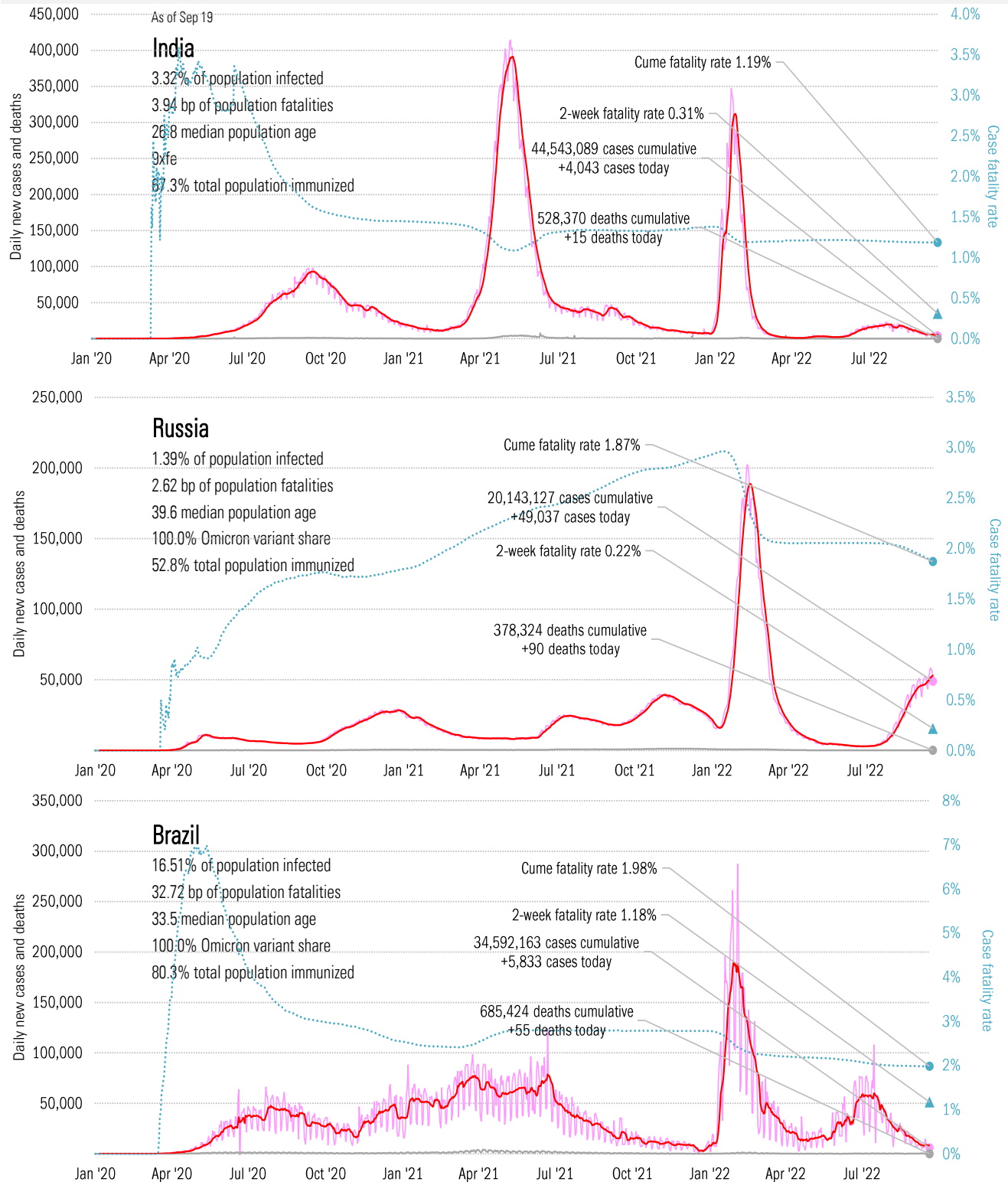
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

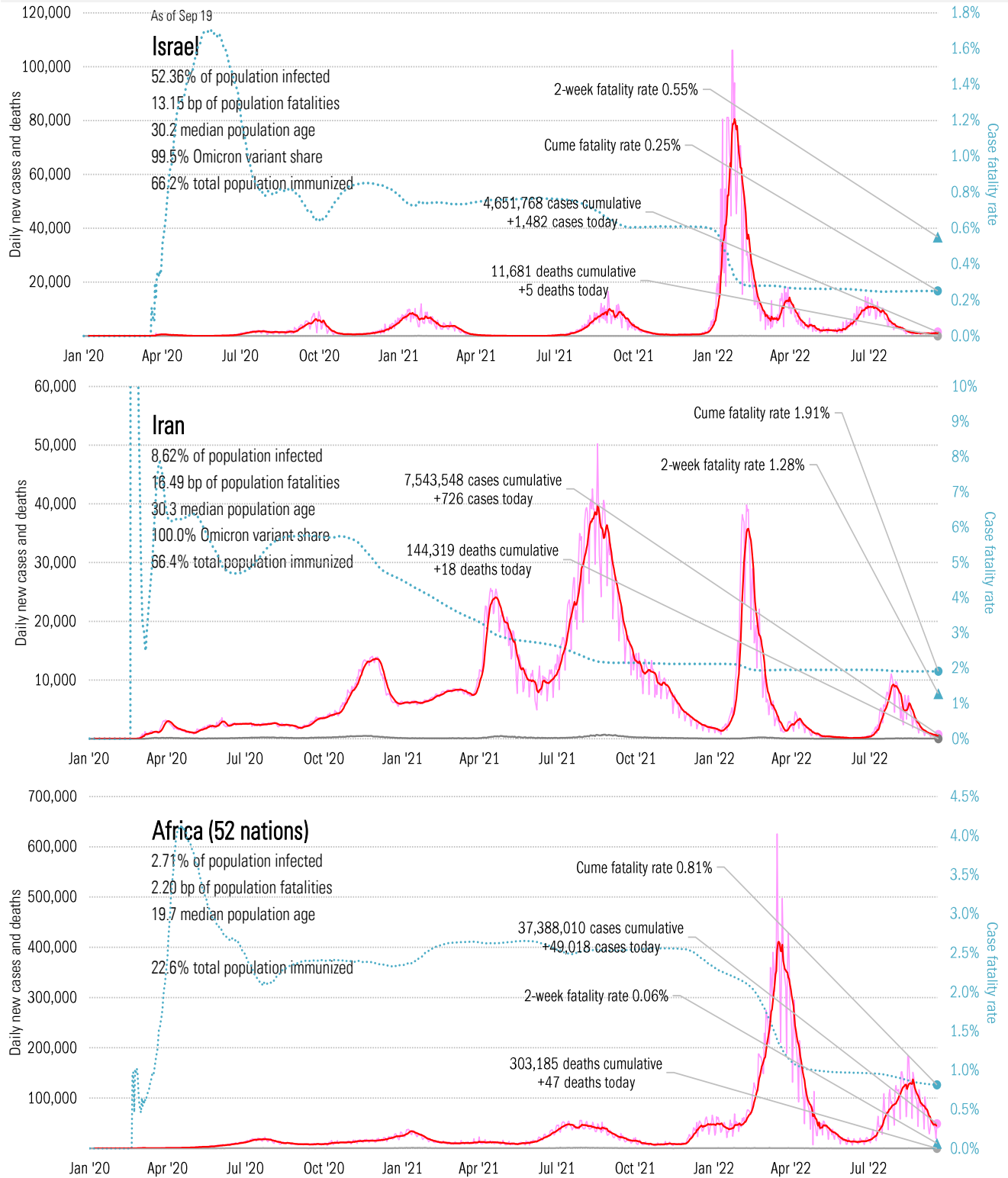
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

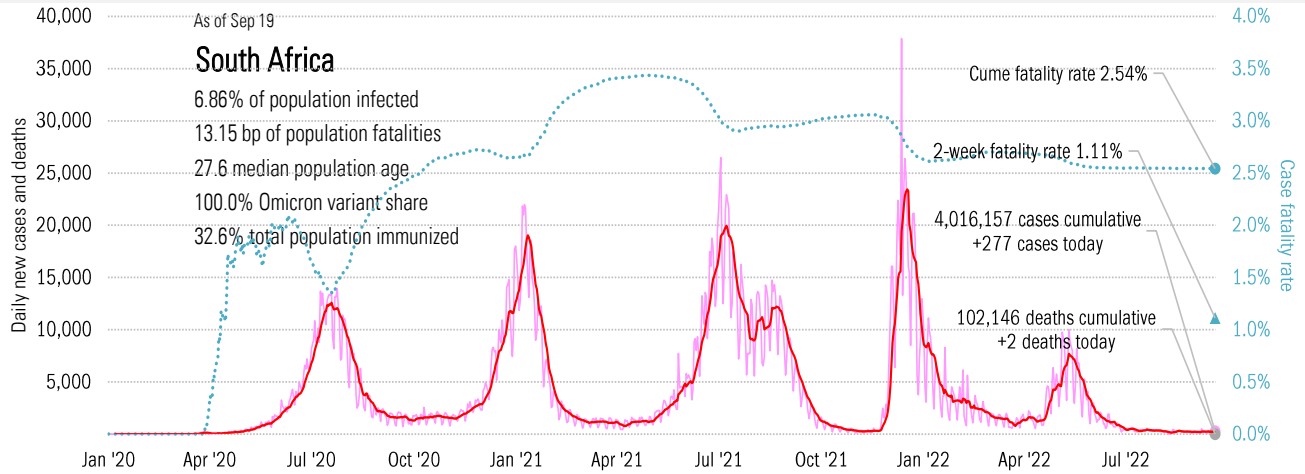


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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