

## Data Insights: Covid-2019 Monitor

Tuesday, August 9, 2022

### The global scorecard

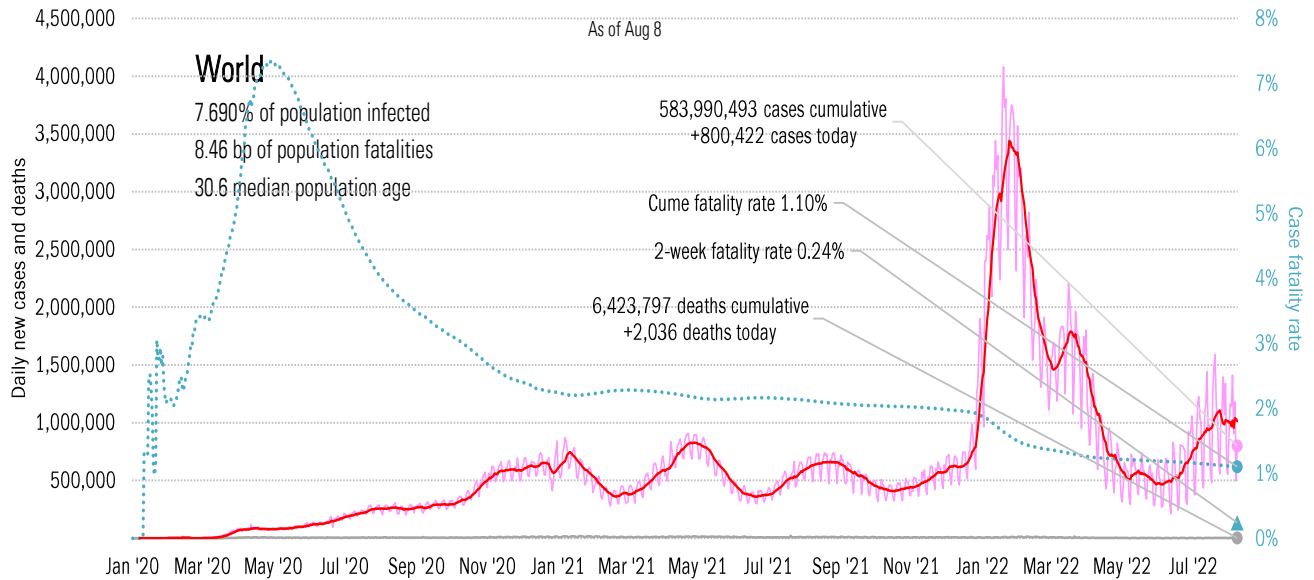
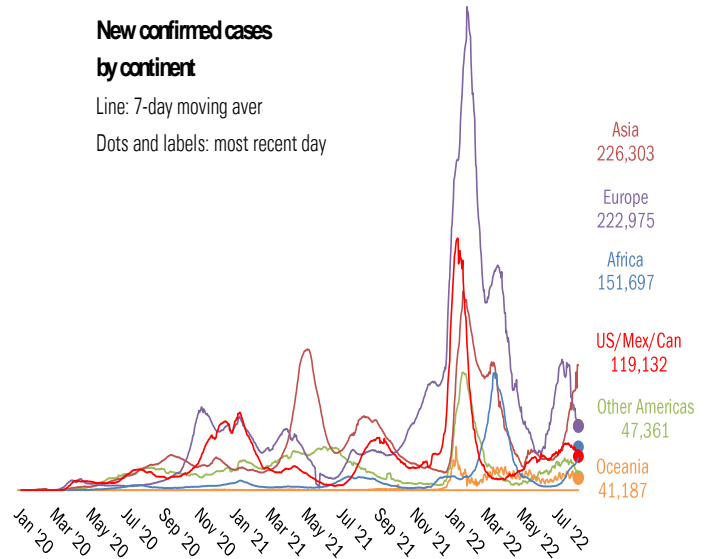
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Korea, South	149,819	United States	566
United States	146,854	France	174
Japan	137,722	Brazil	170
Germany	78,698	Germany	170
France	55,275	Japan	150
India	28,941	Italy	113
Australia	28,604	Australia	104
Russia	17,578	India	83
Brazil	17,409	Iran	54
Austria	17,119	Denmark	50
<b>678,019</b>		<b>1,634</b>	
World	800,422	World	2,036
Top ten	85%	Top ten	80%

#### 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

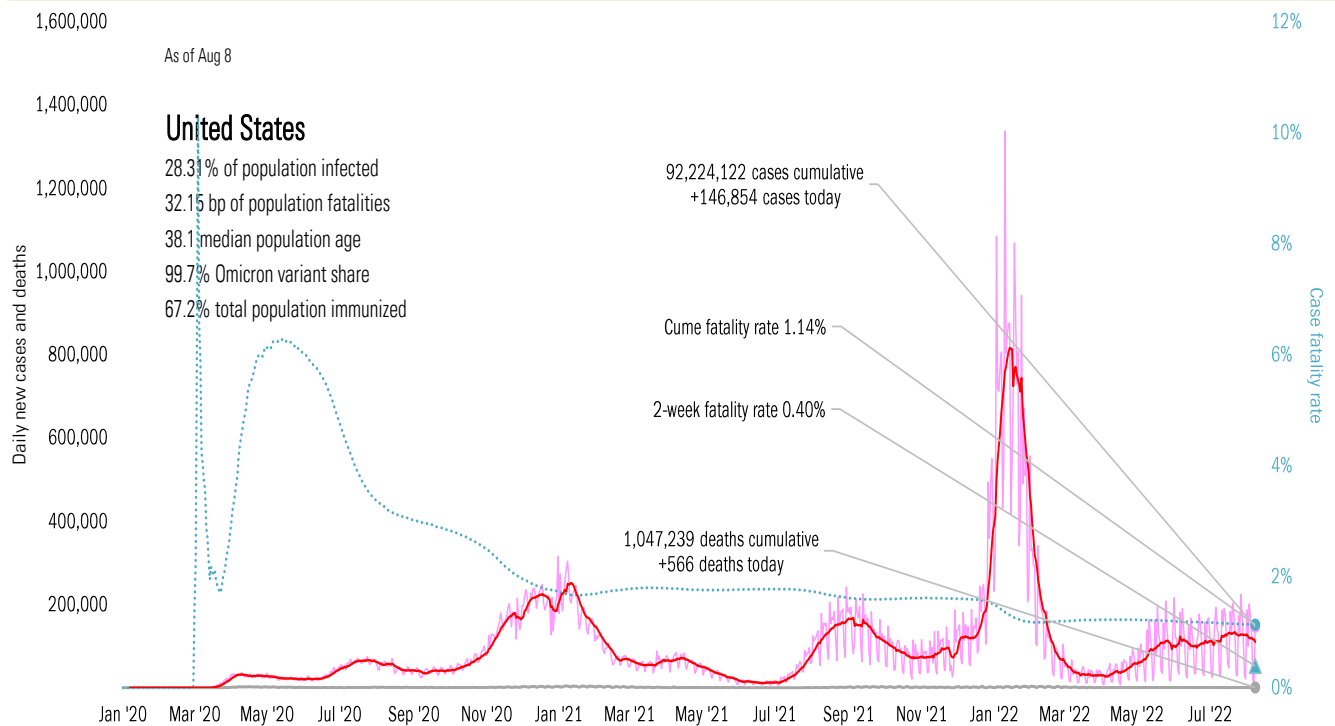
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	36,898		FL	72		GA	274		CA	10,820,659		CA	93,846		TX	526,489		RI	91%	AK	84%
MA	10,584		TX	68		IL	245		TX	7,635,387		TX	89,531		CA	476,289		MA	85%	RI	84%
NY	9,548		MO	60		TX	615		FL	6,857,303		FL	78,143		FL	470,691		WA	84%	TX	82%
TX	7,765		CA	30		NC	189		NY	5,876,474		NY	70,511		NY	284,000		MN	84%	NC	82%
KS	6,618		NC	29		CA	638		IL	3,604,149		PA	46,261		GA	217,826		GA	82%	MA	82%
FL	6,128		WA	28		PA	214		PA	3,106,889		GA	39,173		CH	207,668		WV	82%	AL	80%
NC	4,752		NY	21		FL	627		NC	3,016,395		CH	39,133		PA	193,955		NV	82%	WA	79%
CK	4,560		VA	21		MN	91		CH	2,976,027		IL	38,984		IL	177,055		MO	81%	NM	77%
WA	4,302		IL	18		VI	102		GA	2,778,580		MI	37,534		MI	154,756		DC	81%	CR	77%
IN	4,202		GA	18		CK	82		MI	2,692,485		NJ	34,343		KY	139,878		CR	80%	WV	77%
95,358			364			3,077			49,364,348			567,459			2,848,607						
All states	146,854			566			5,906		All states	92,224,122			1,047,239			5,169,257		All states	70%		67%
Top ten	65%			64%			52%		Top ten	54%			55%			55%		Median	75%		70%

Some states not reporting

## Five most improved US states

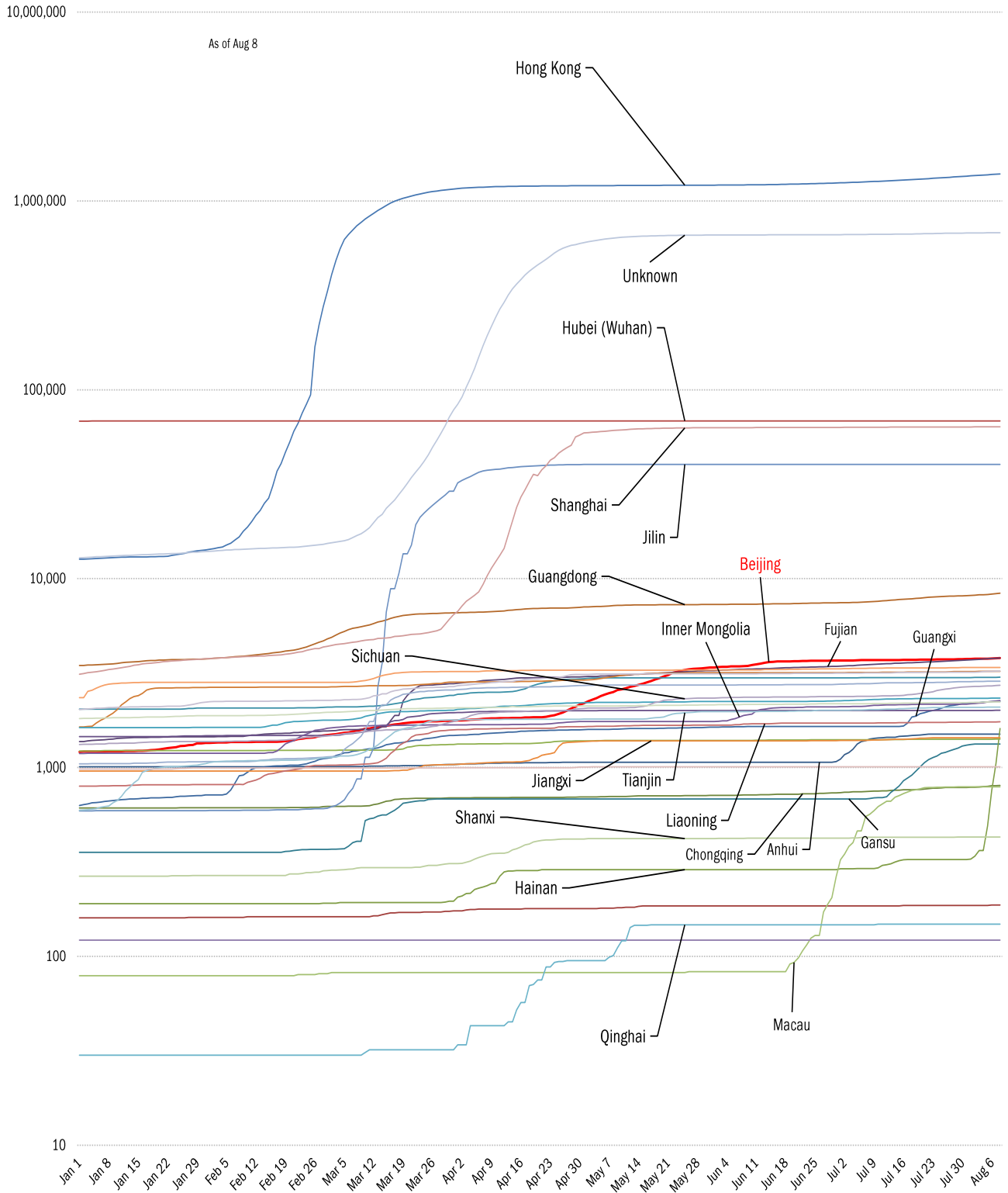
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
MO	-9,697	CA	-98	CR	-55
IN	-1,732	IN	-25	LA	-31
NJ	-1,411	CR	-11	KY	-29
PA	-1,357	NY	-10	IN	-26
ID	-273	AR	-9	IA	-23



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"*

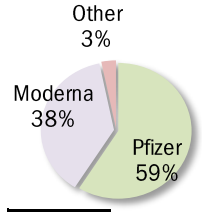


Source: [Johns Hopkins](#), TrendMacro calculations

# 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%



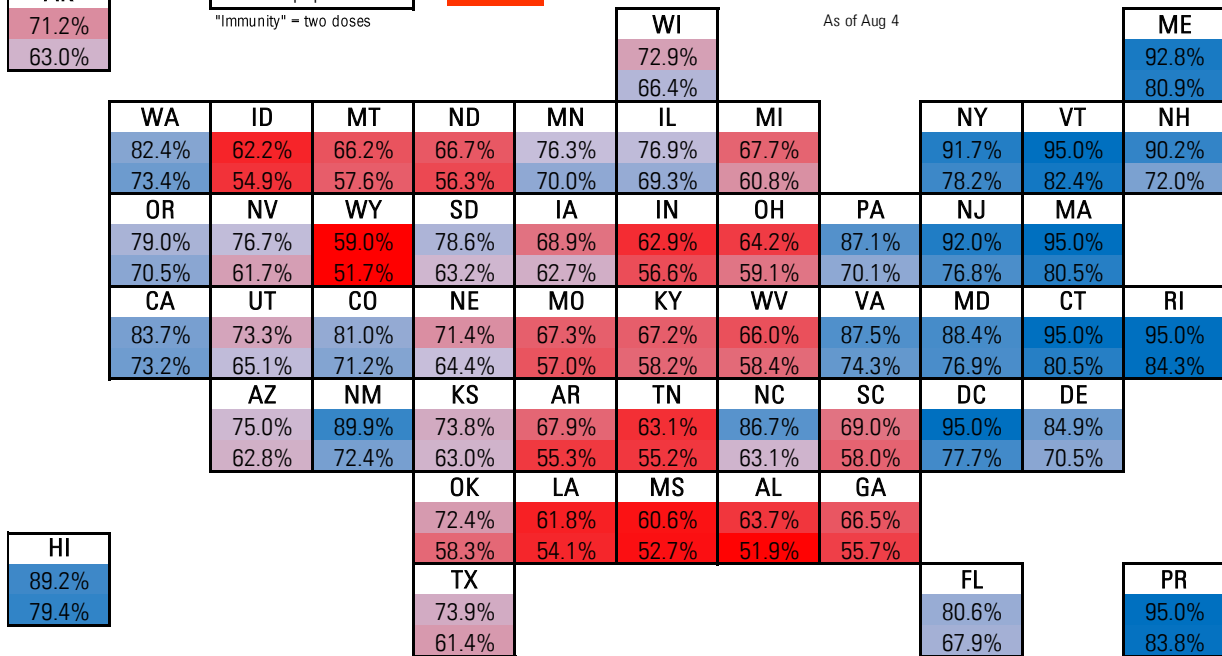
<b>AK</b>
71.2%
63.0%

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

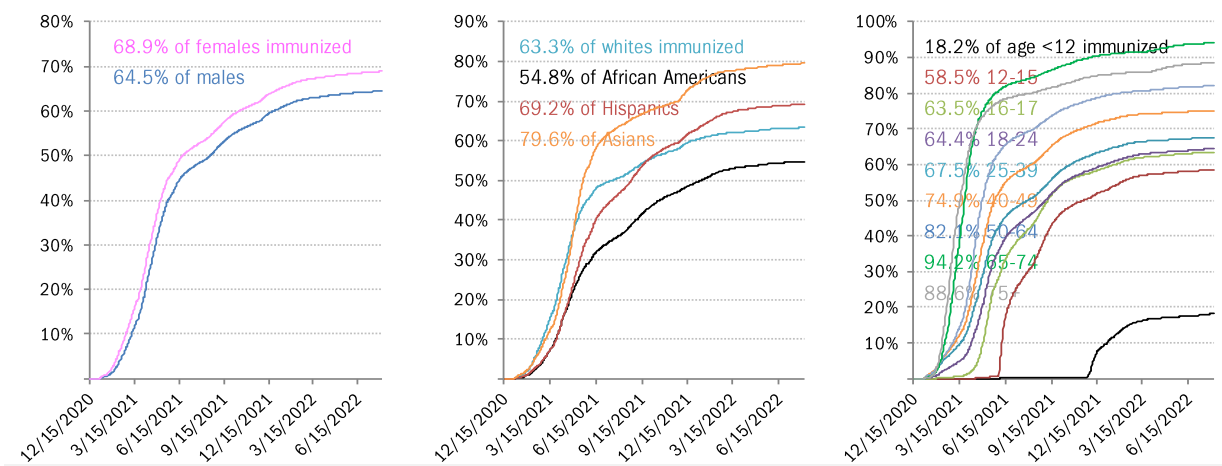
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing



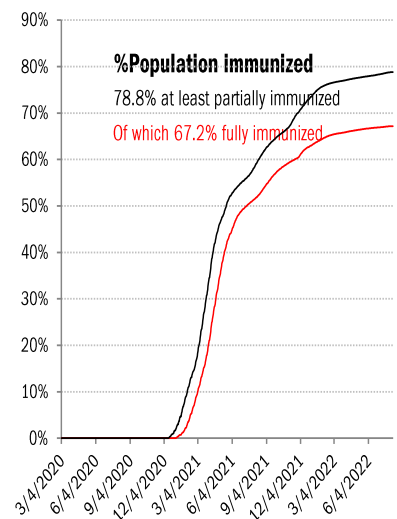
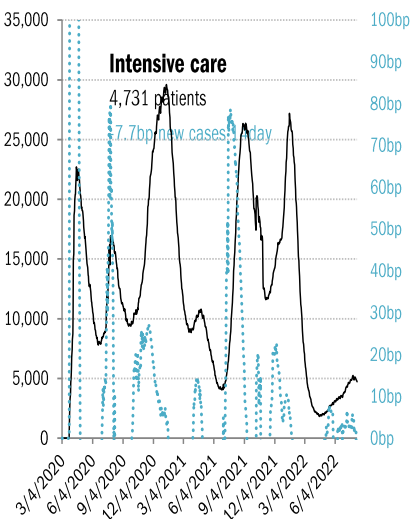
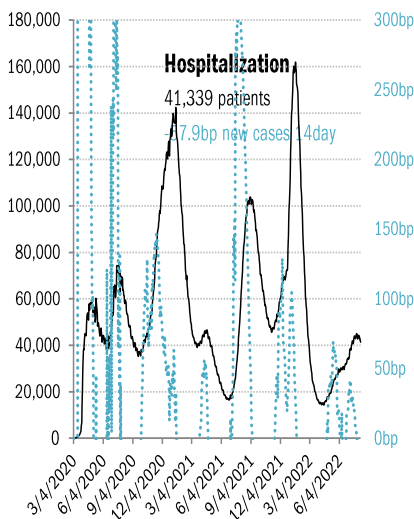
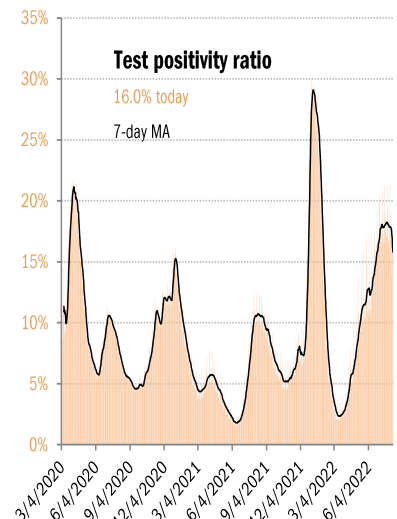
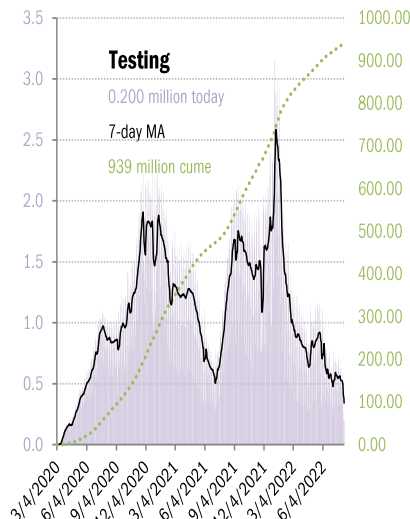
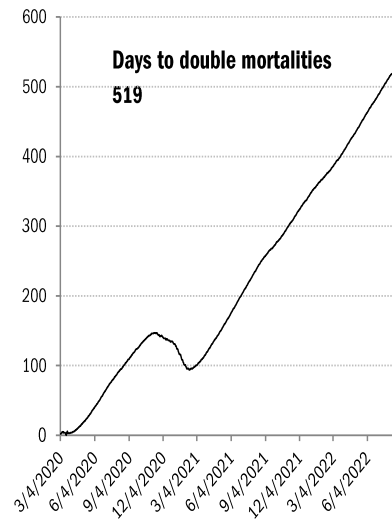
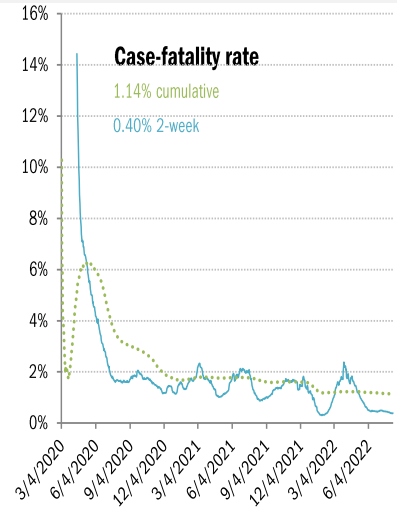
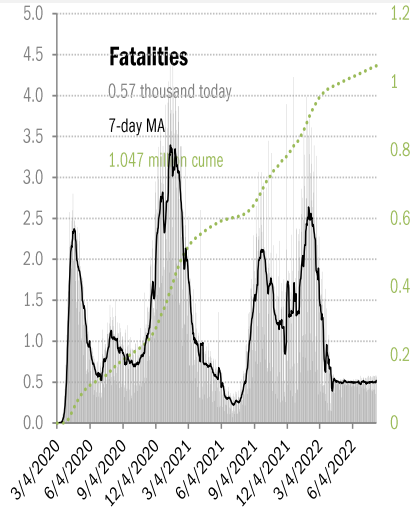
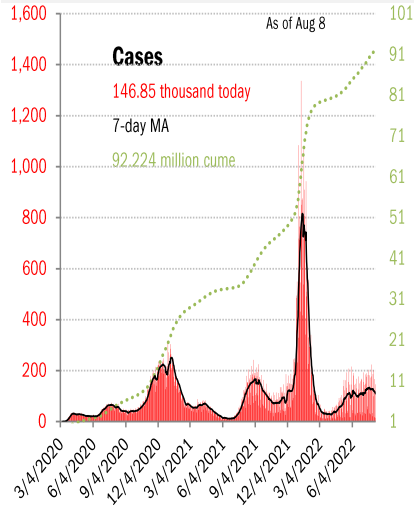
## The demographics of US vaccination



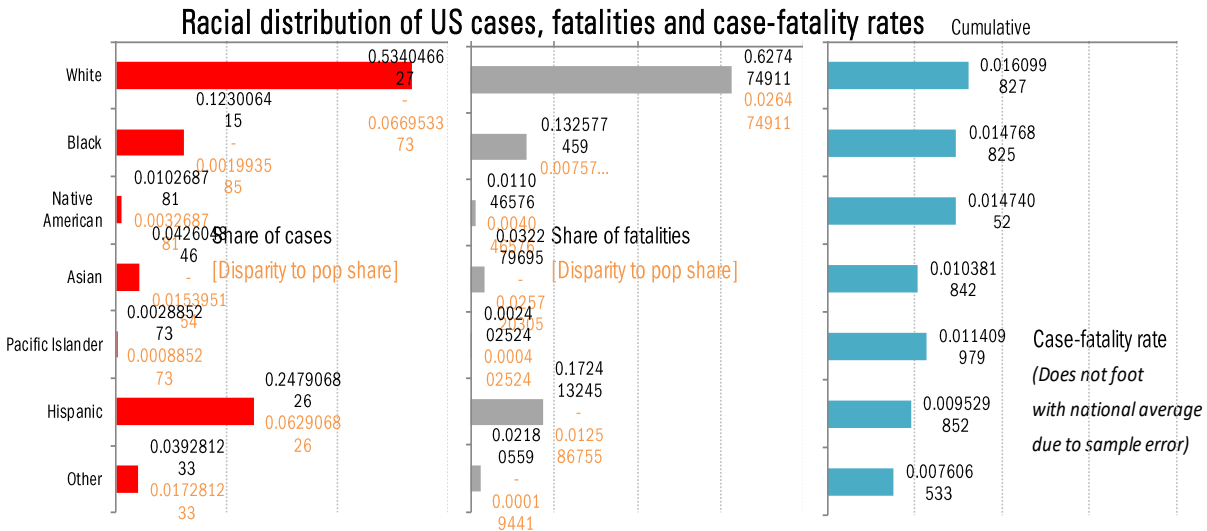
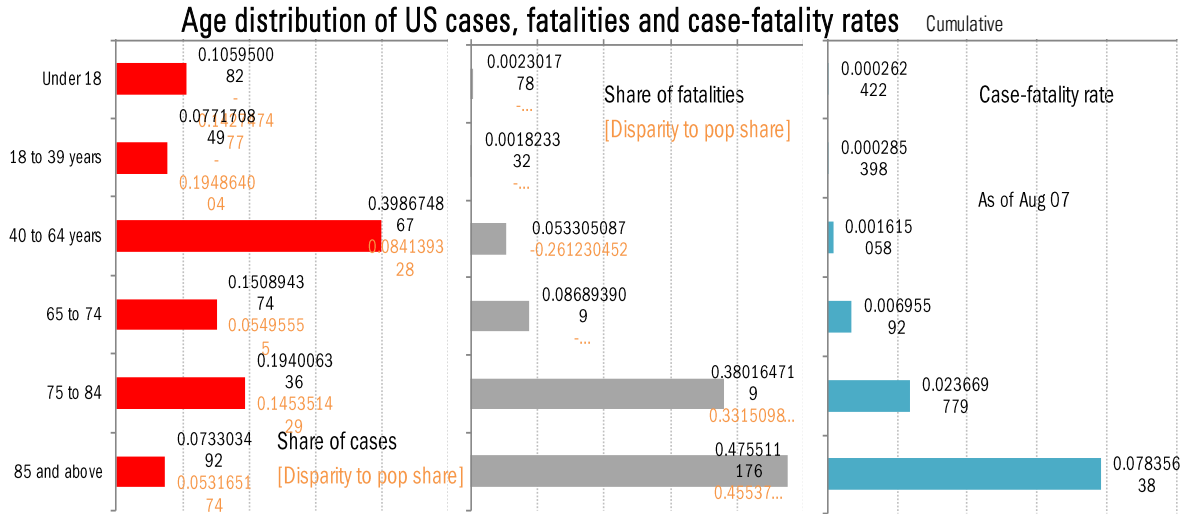
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

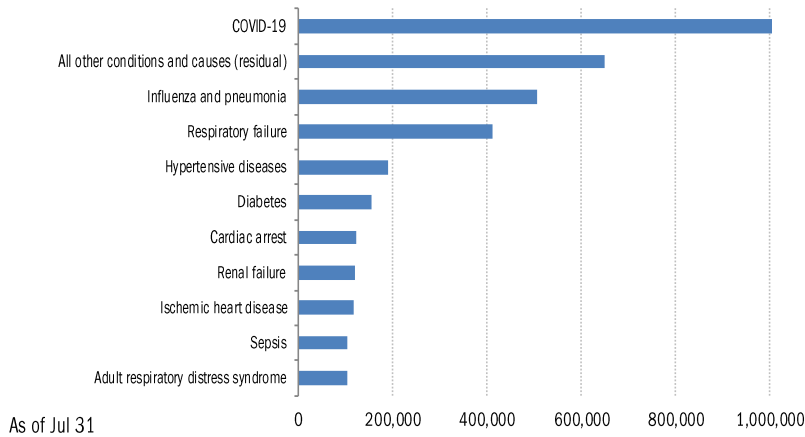


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### 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

### [For the Greater Good? The Devastating Ripple Effects of the Covid-19 Crisis](#)

Michaéla C. Schippers  
*Frontiers in Psychology*  
September 2020

### [How the Covid Pandemic Will Follow Today's Kids Into Adulthood](#)

Douglas Belkin  
*Wall Street Journal*  
August 8, 2022

### [The Effect Of Vaccine Mandates On Disease Spread: Evidence From College Covid-19 Mandates](#)

Riley K. Acton et al.  
*NBER*  
July 2022

### [Study: About 7,300 lives saved by COVID-19 vaccine mandates on college campuses](#)

Christina Hall  
*Detroit Free Press*  
August 8, 2022

## Meme of the day

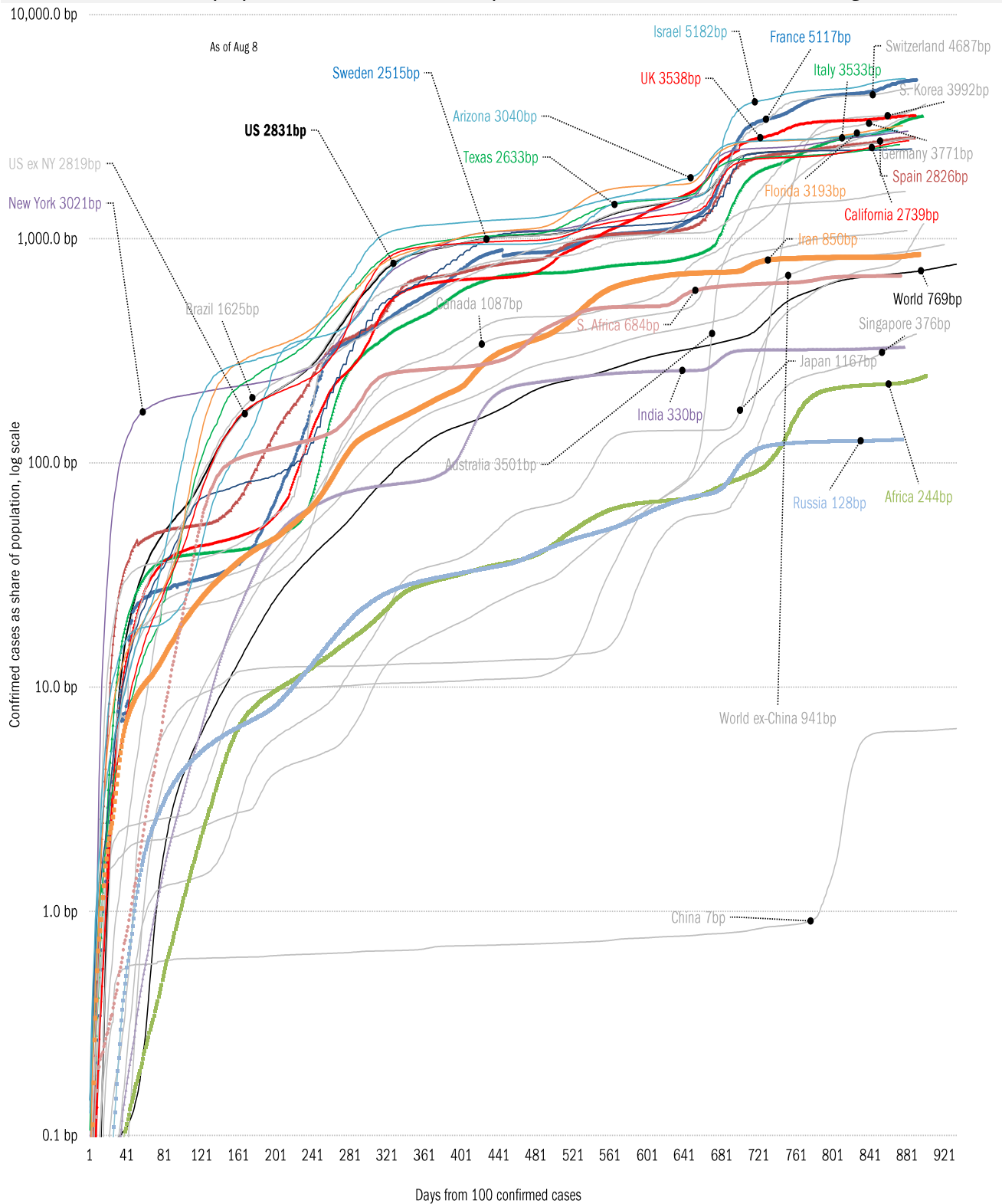


## CLOWNS IN SELF-QUARANTINE

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

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

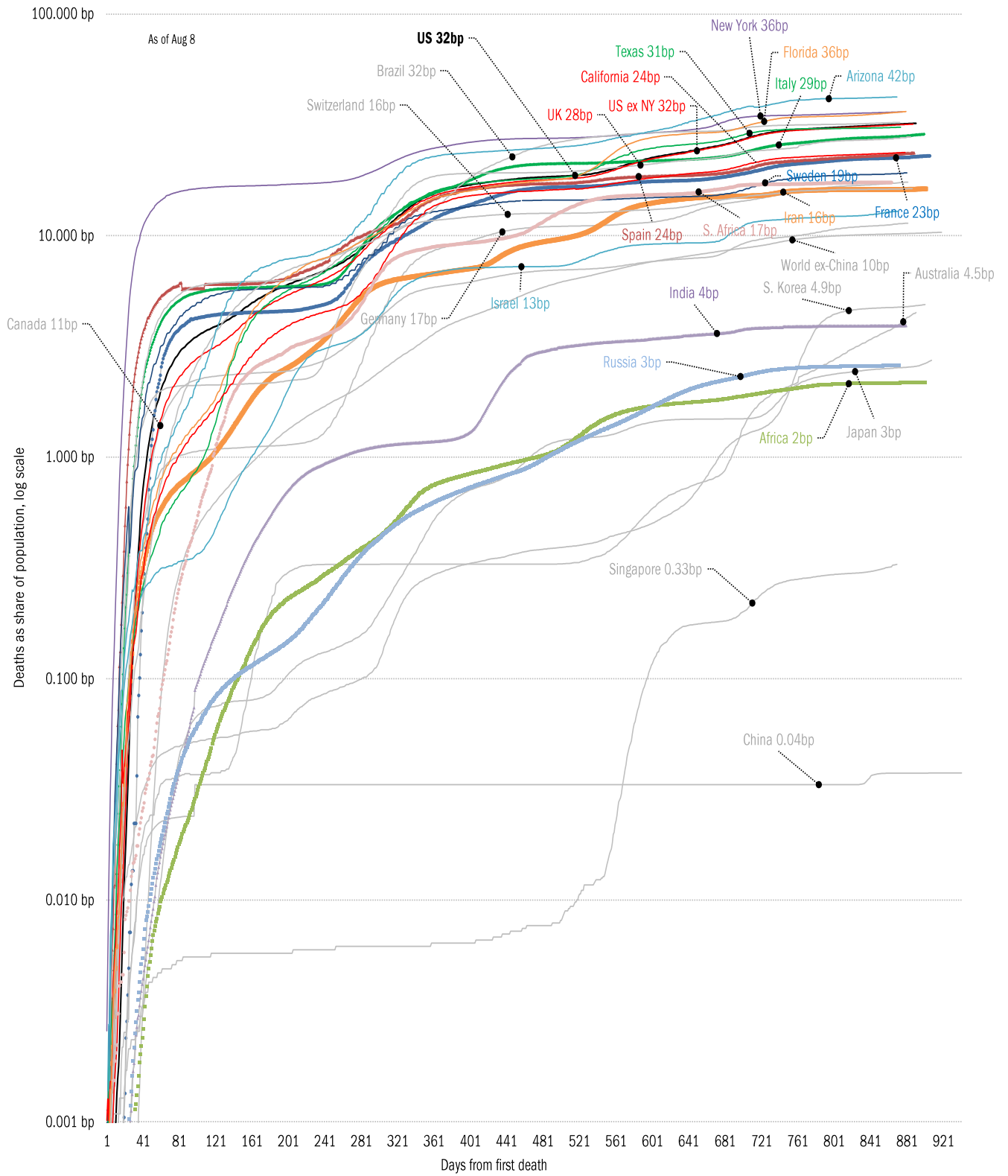
## Share of infected population from first day with 100 confirmed cases, log scale



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*

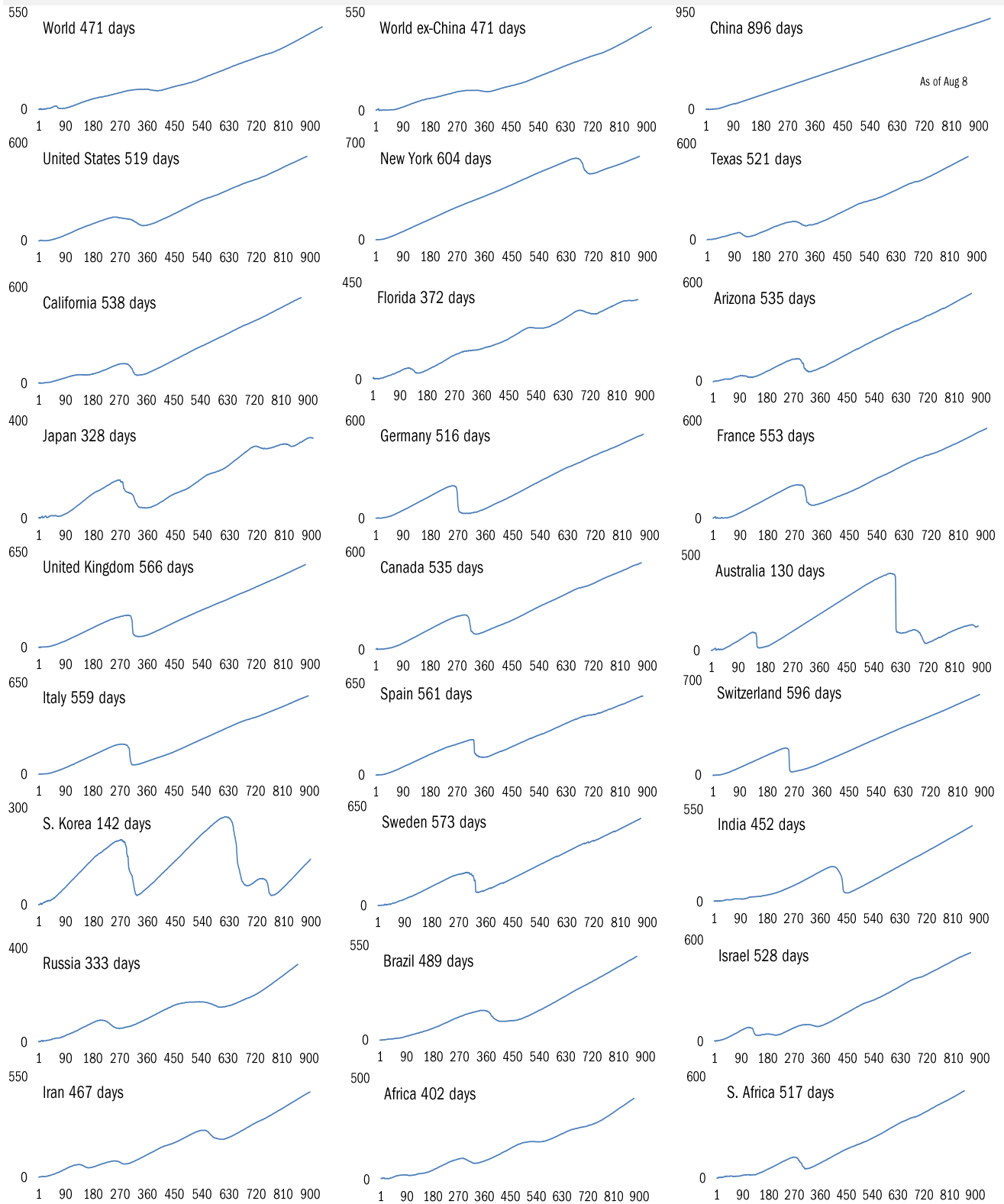


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

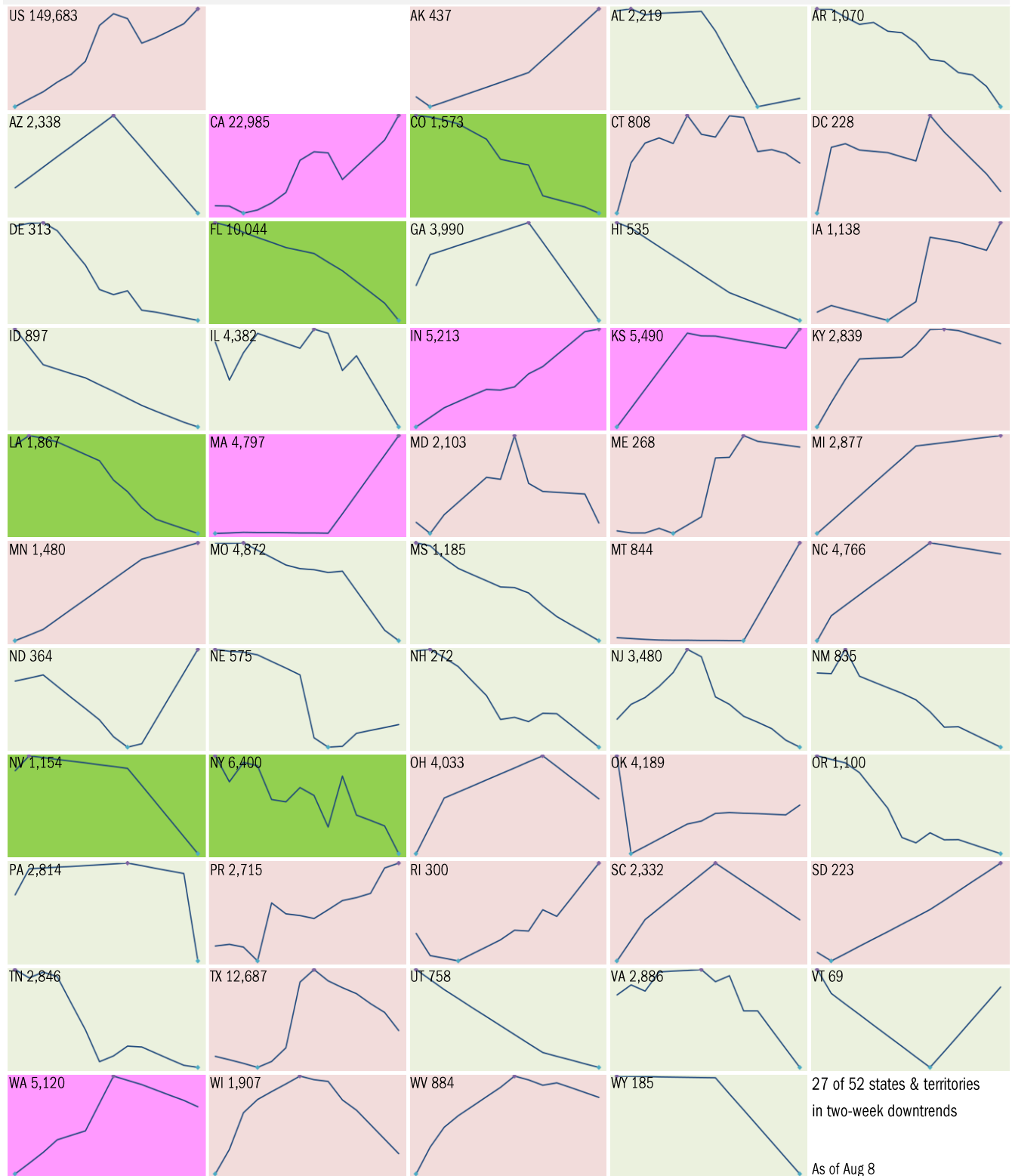


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

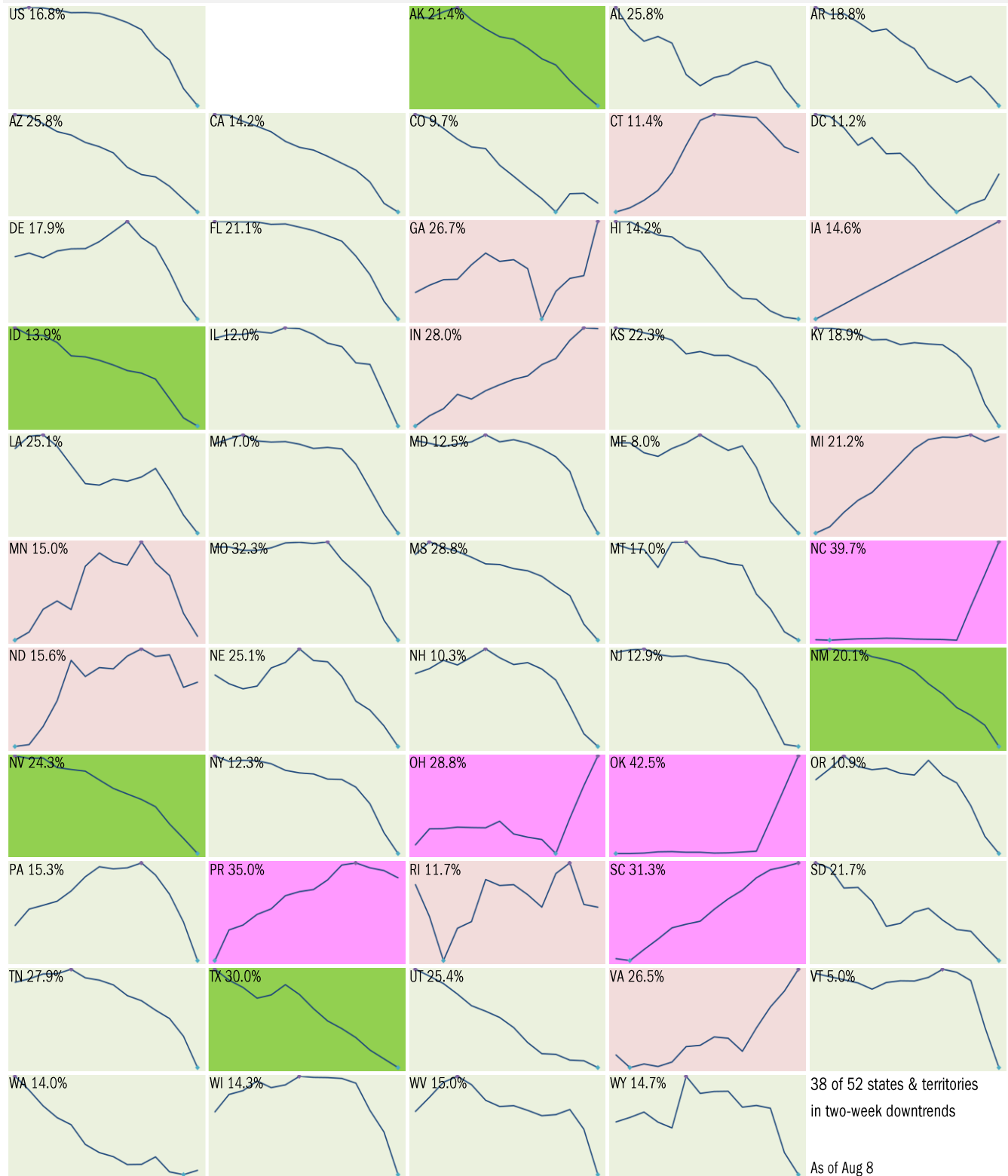


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

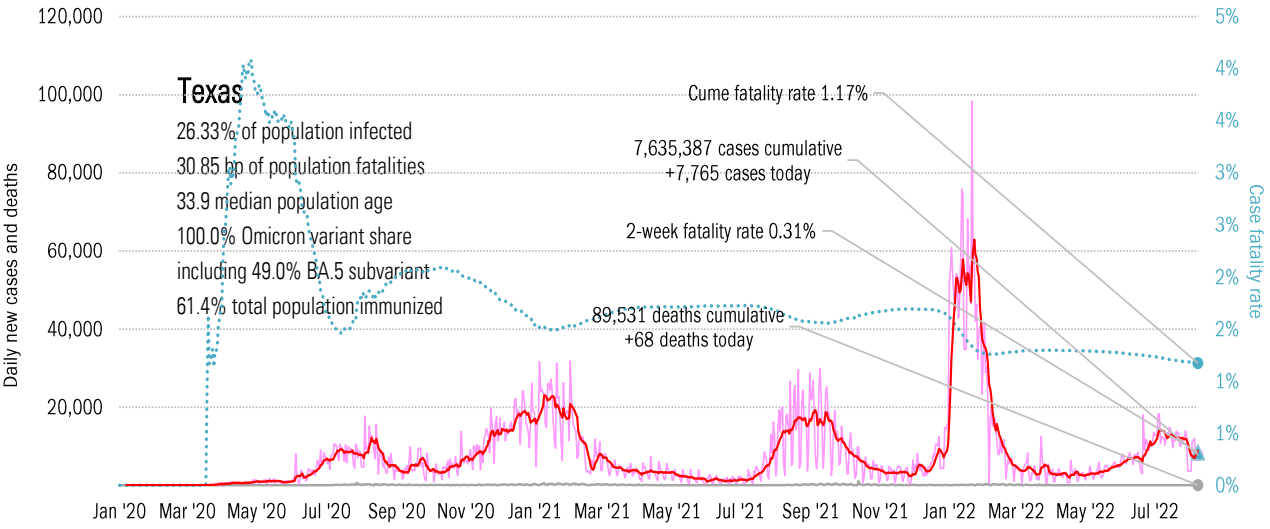
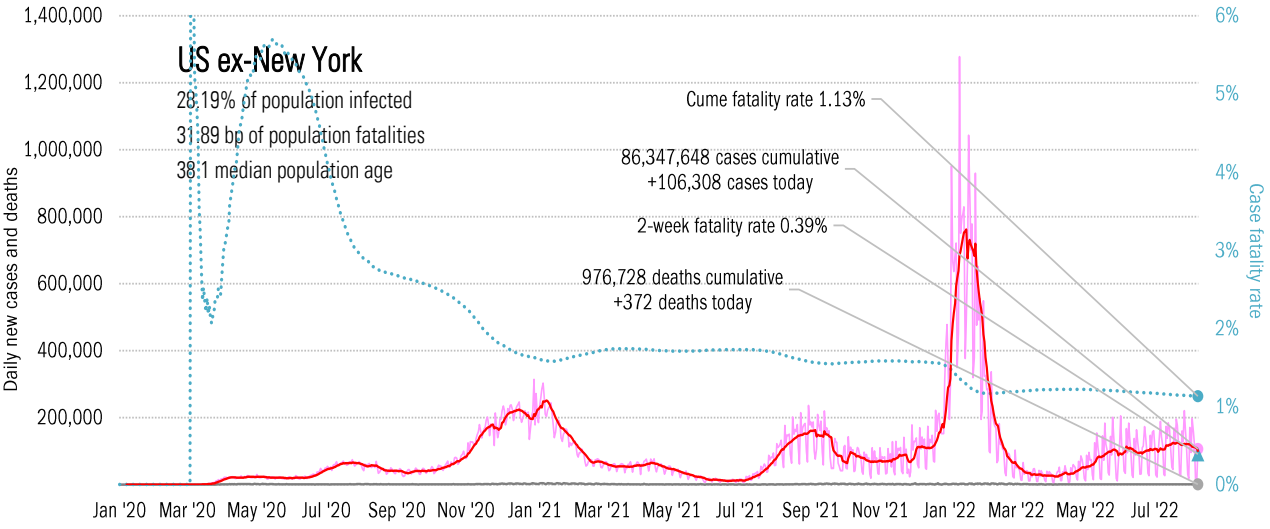
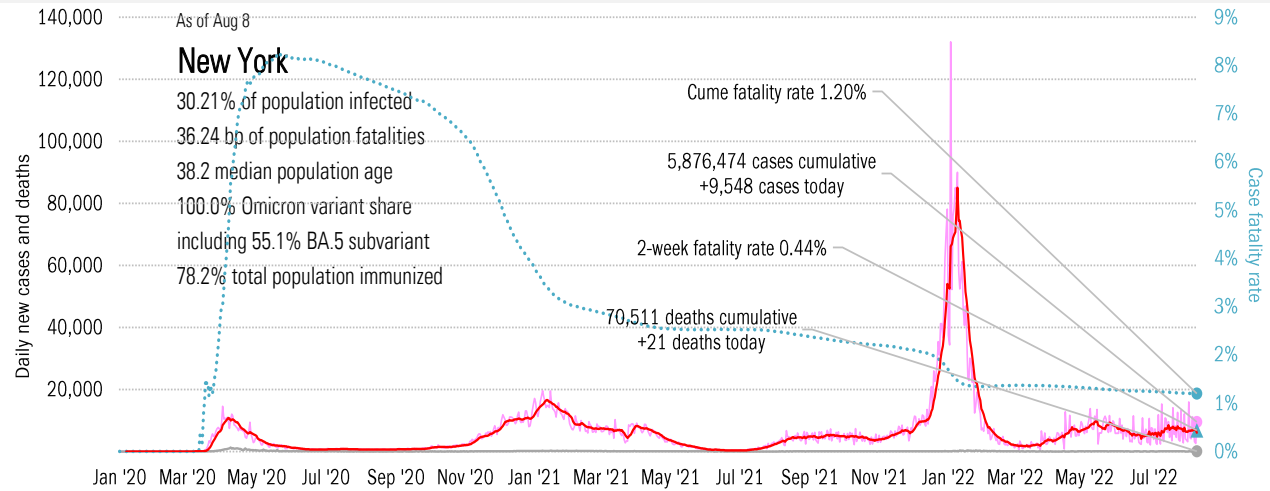
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

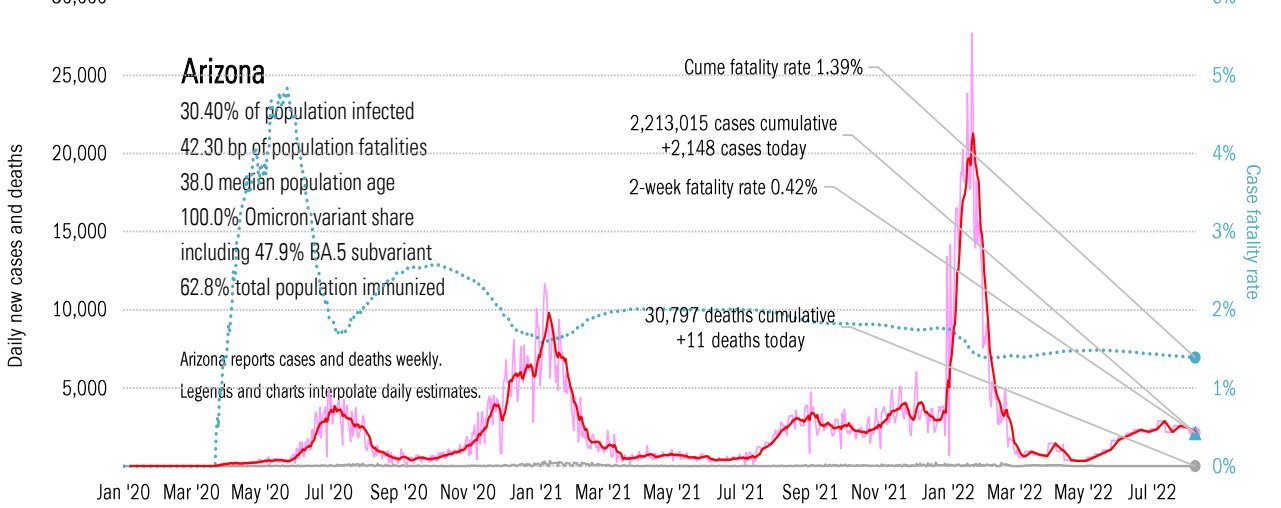
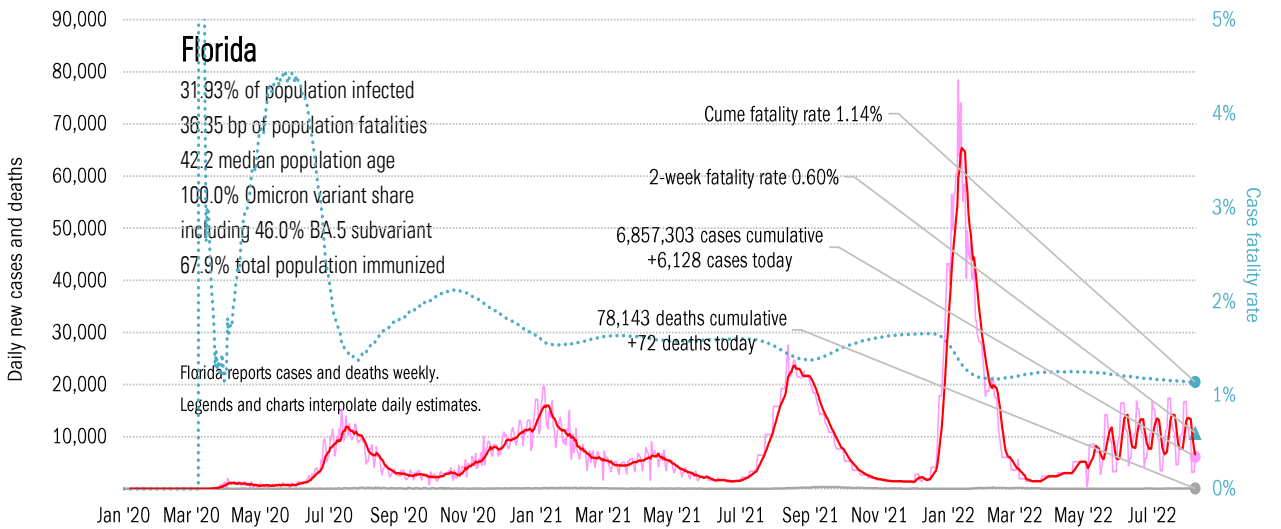
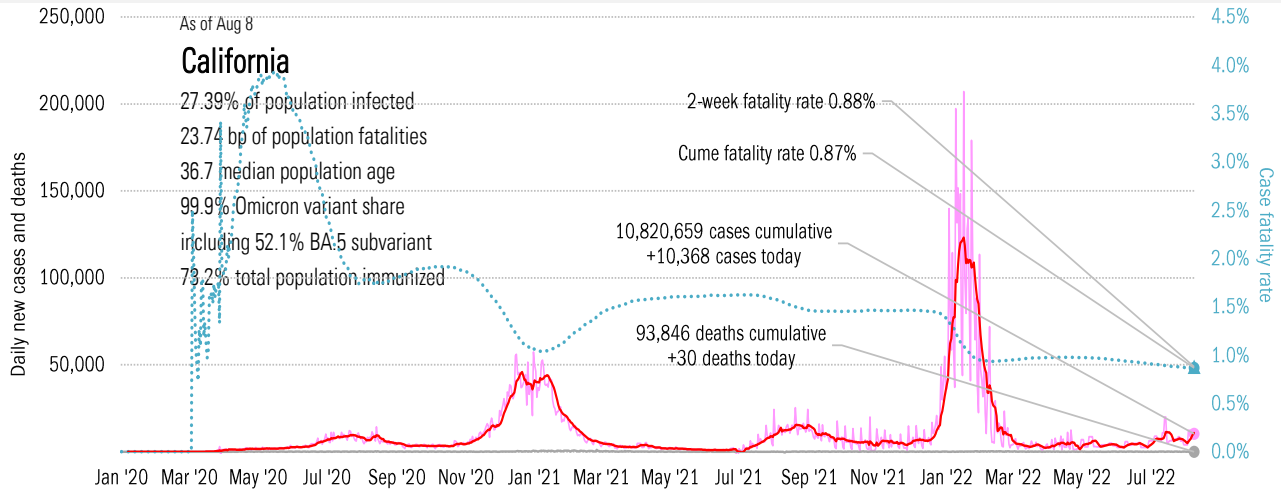
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

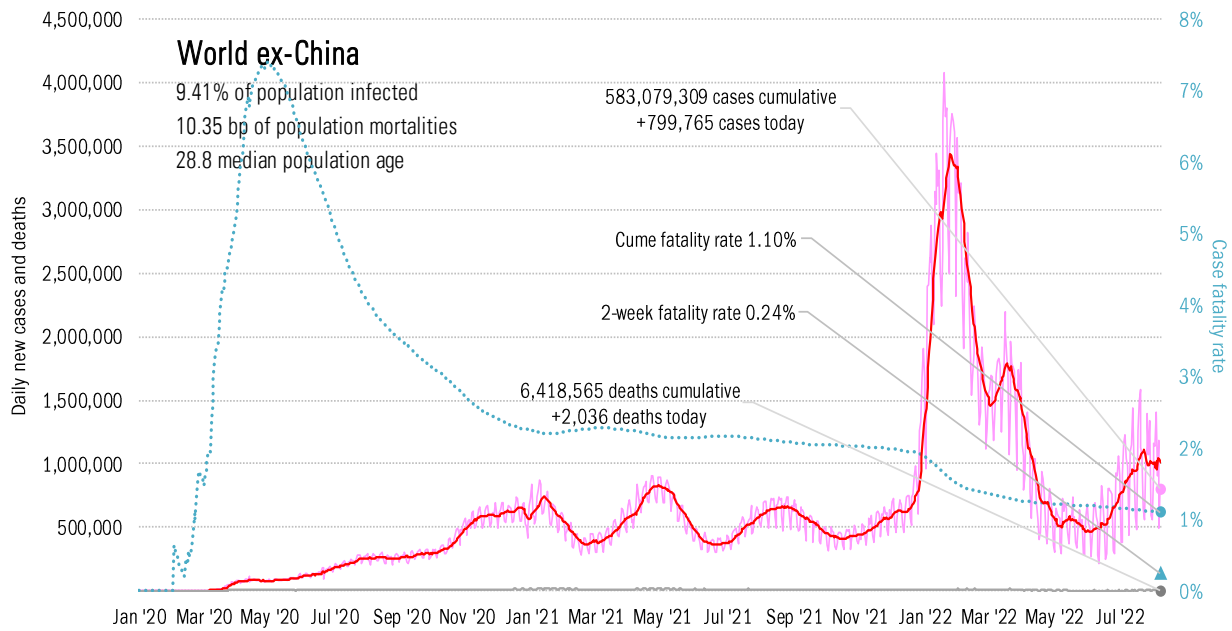
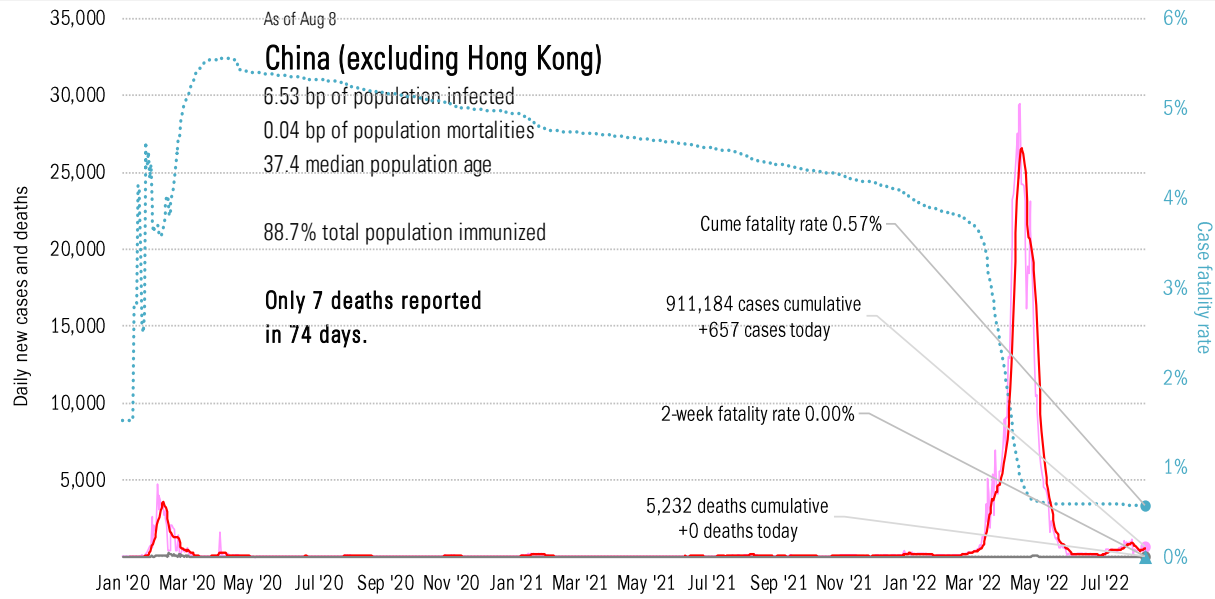
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

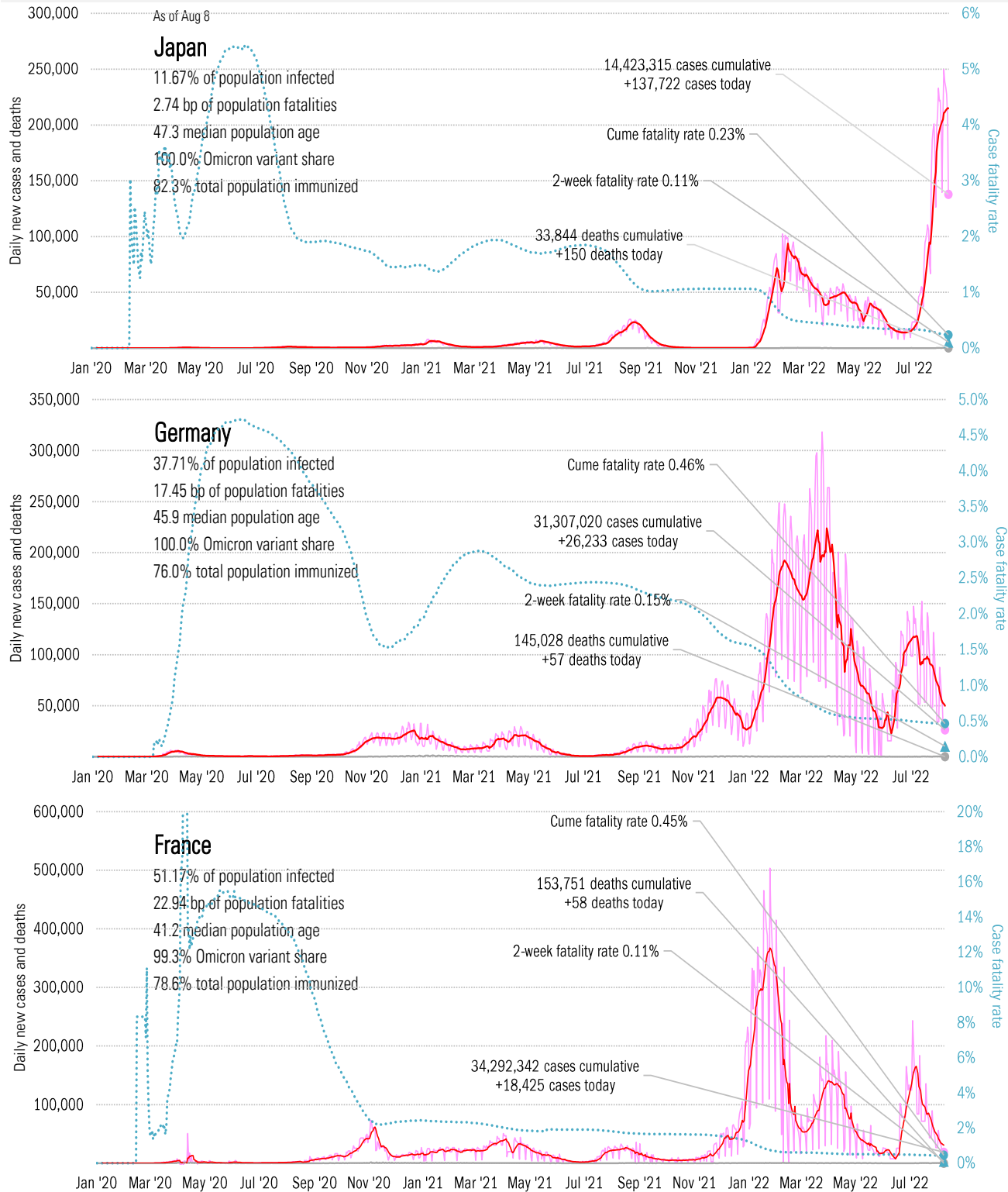
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

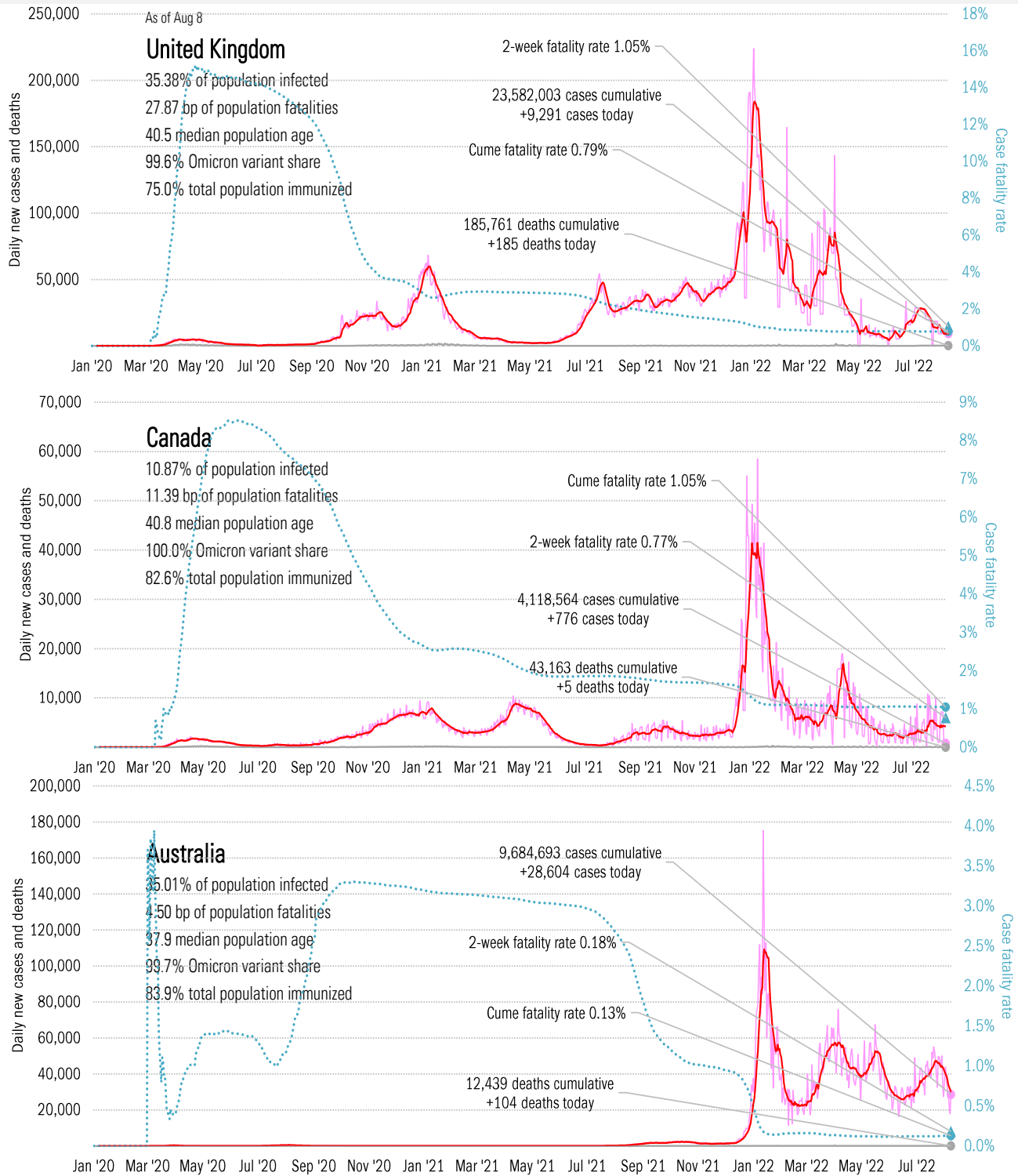


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

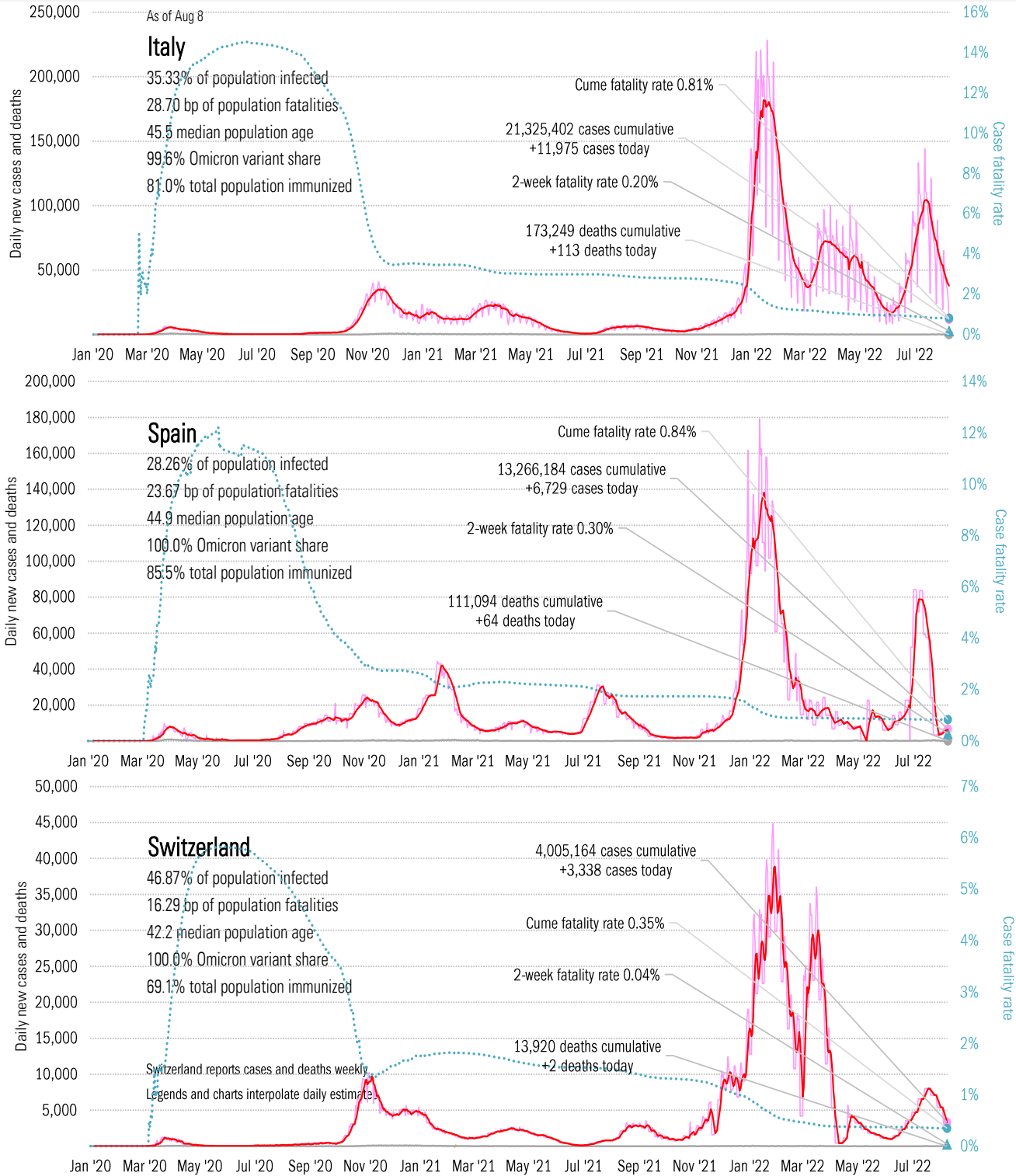
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

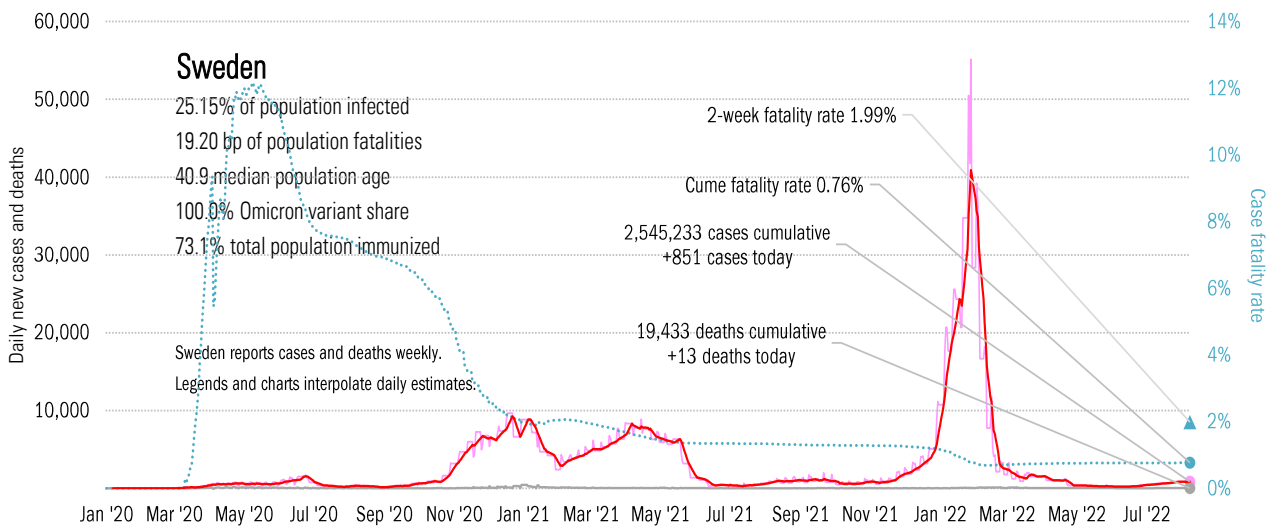
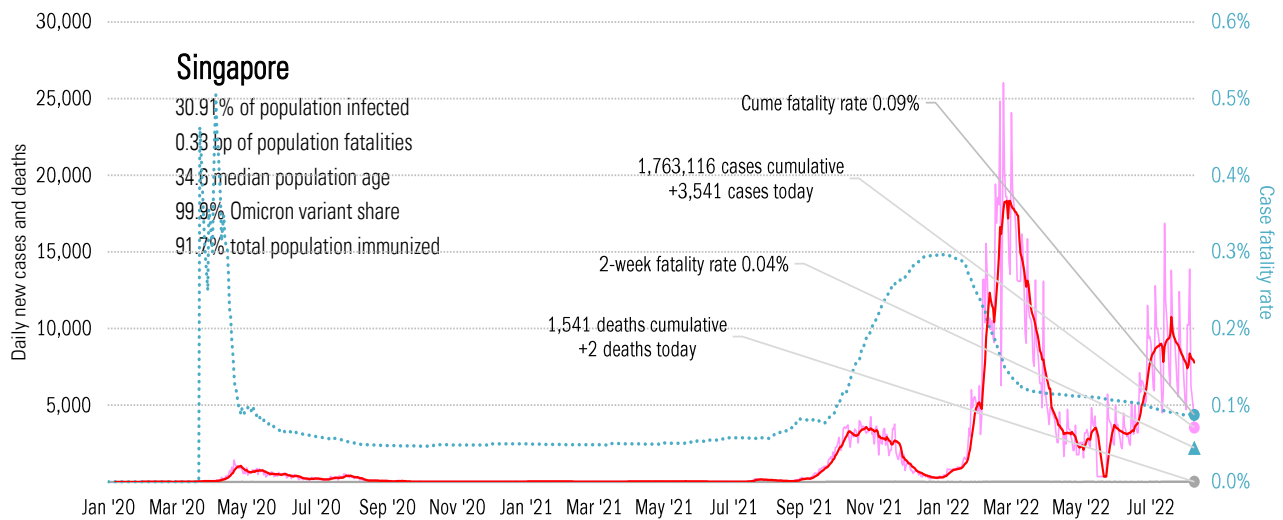
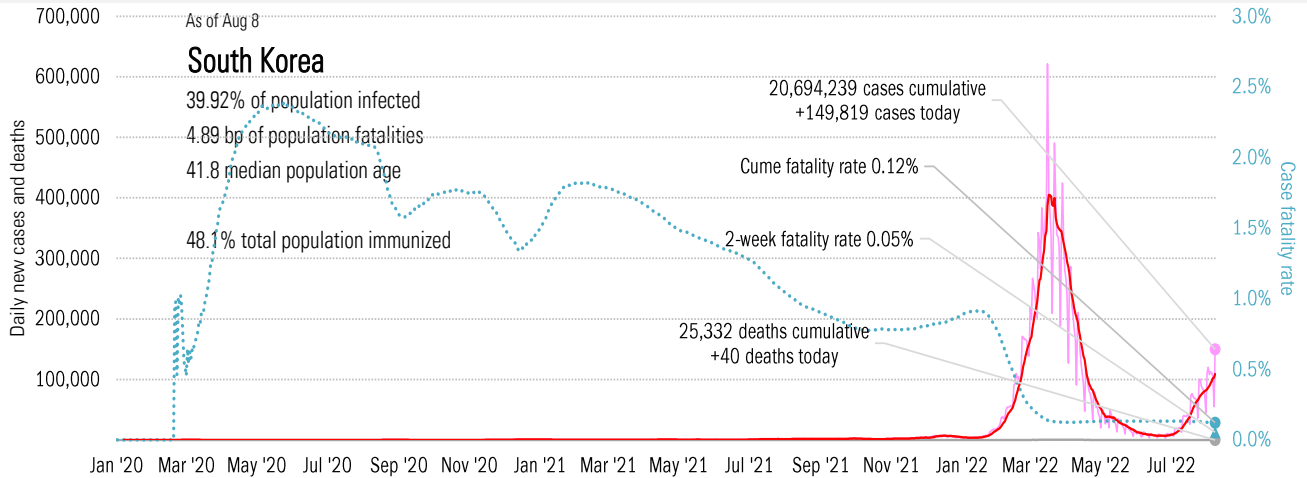
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

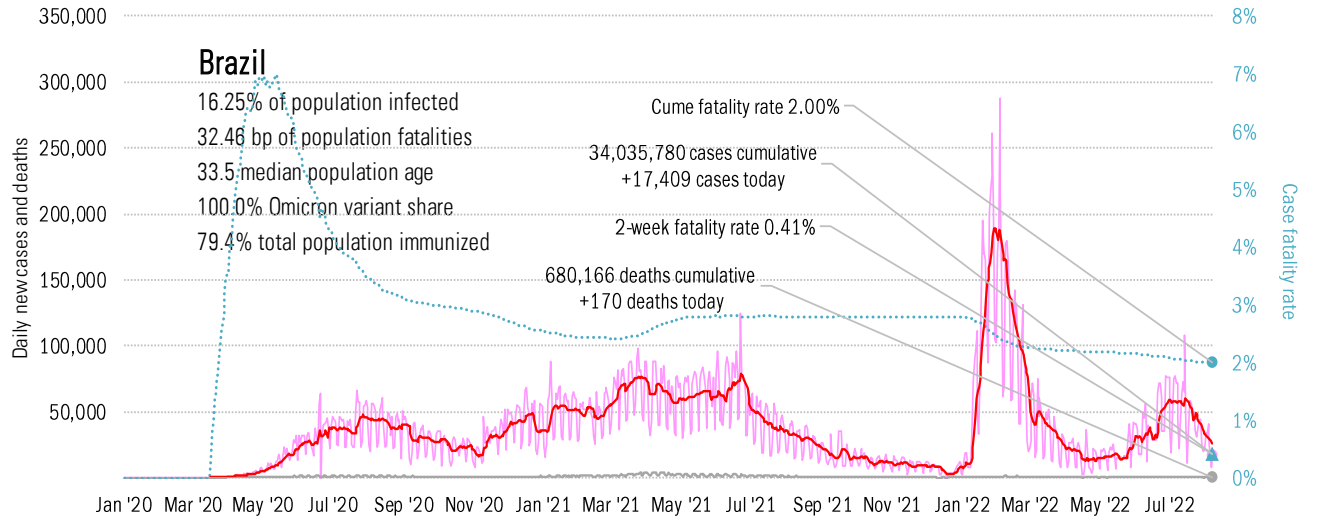
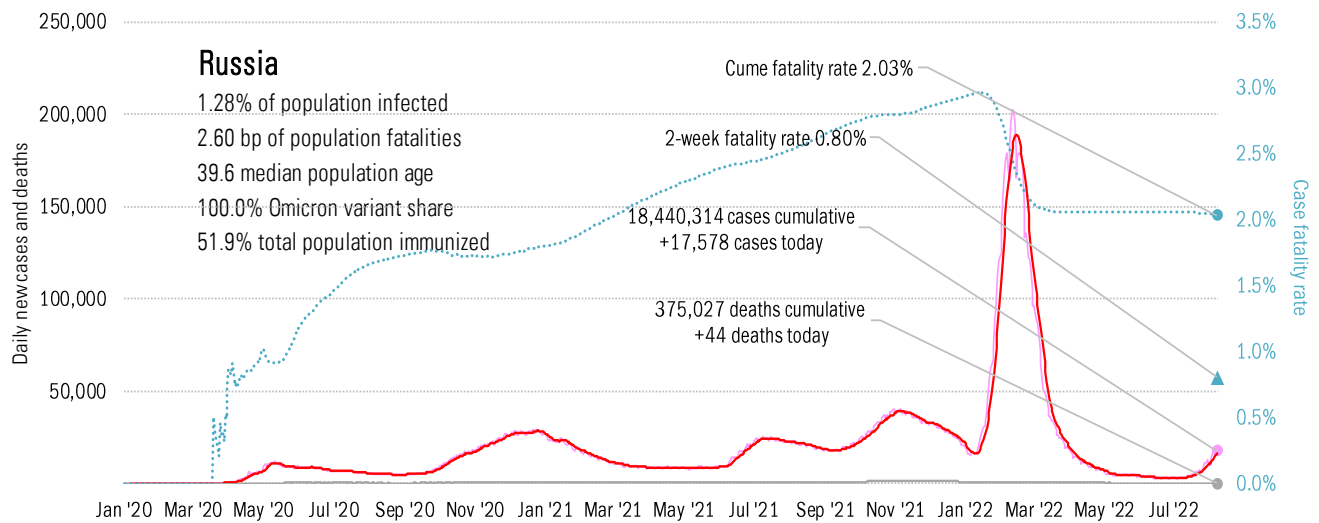
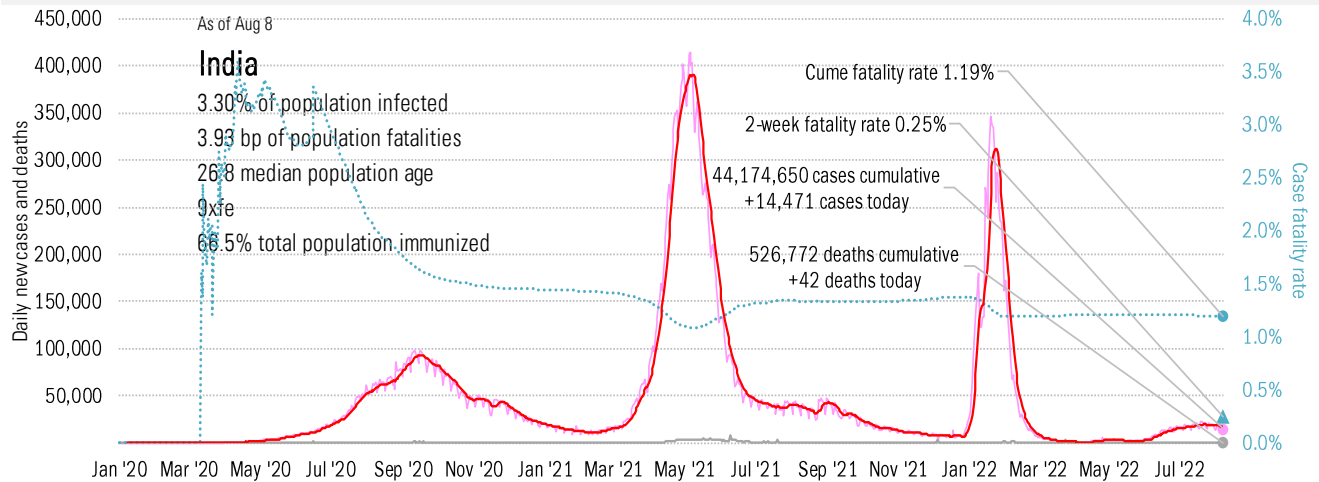
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

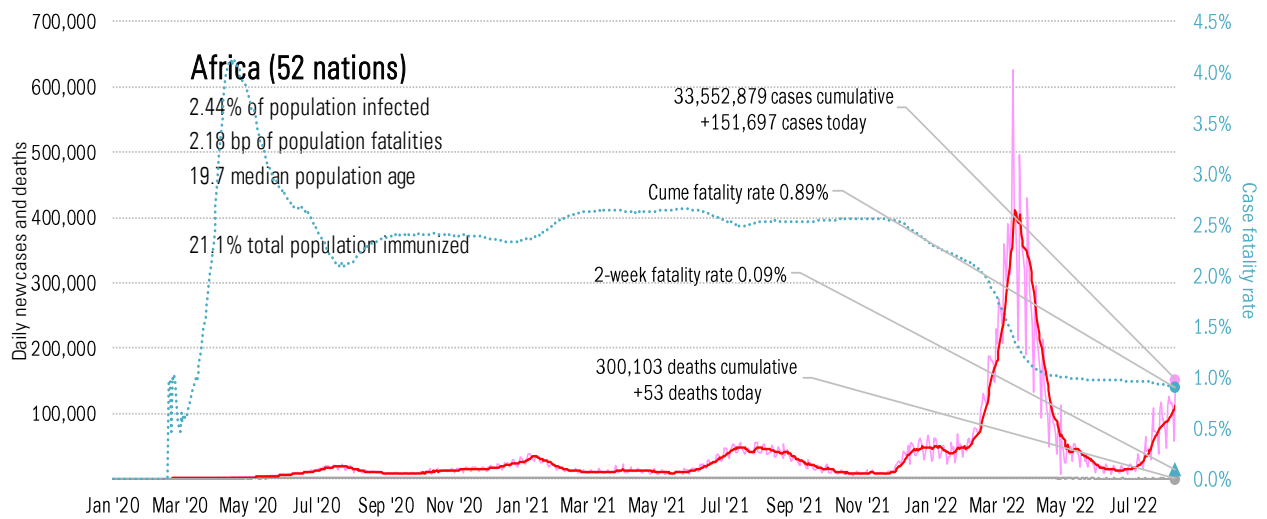
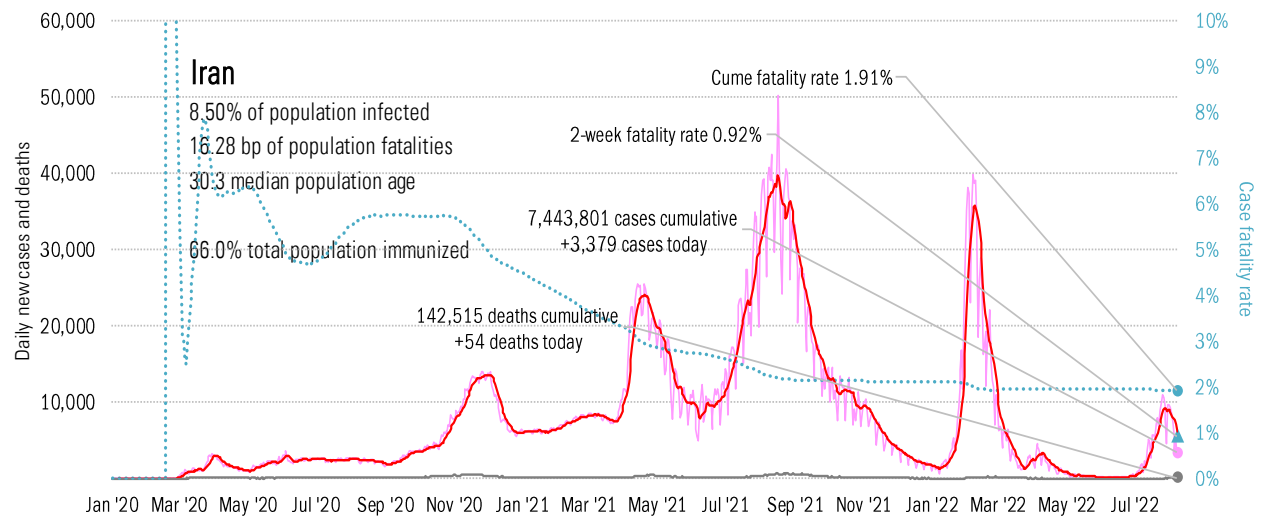
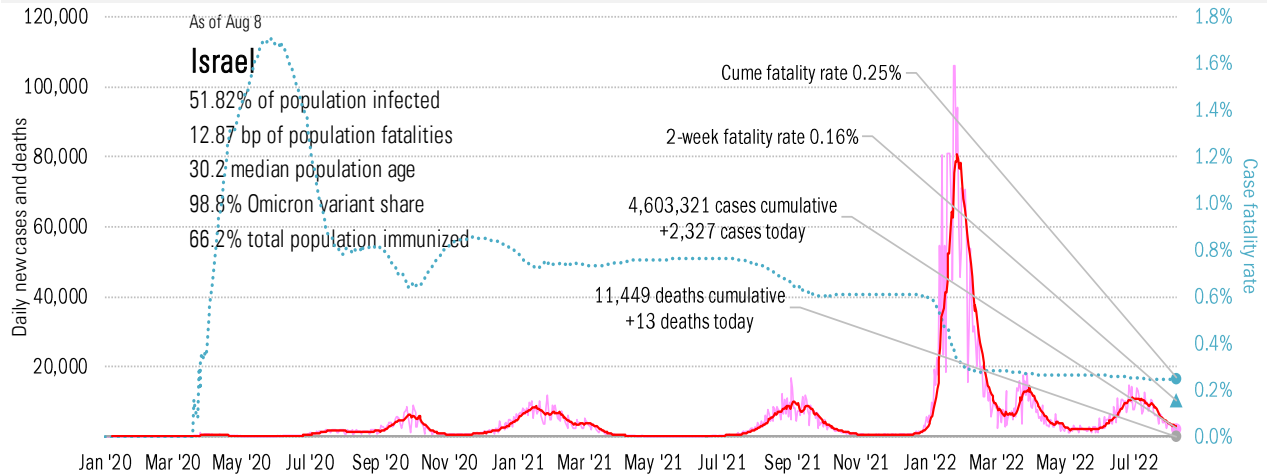
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

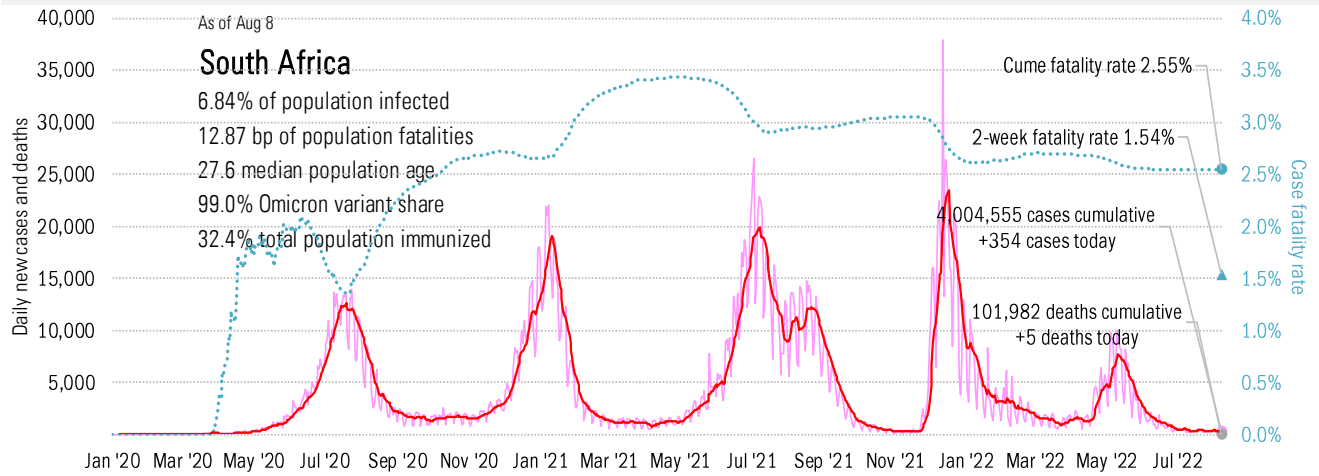
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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