

## Data Insights: Covid-2019 Monitor

Friday, September 2, 2022

### The global scorecard

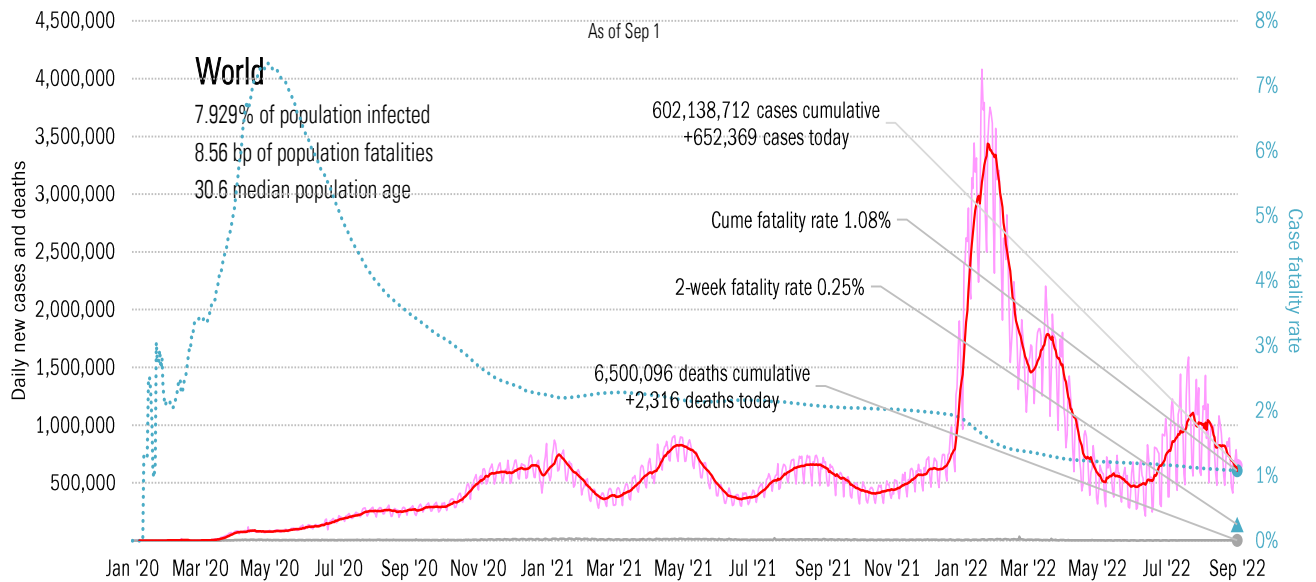
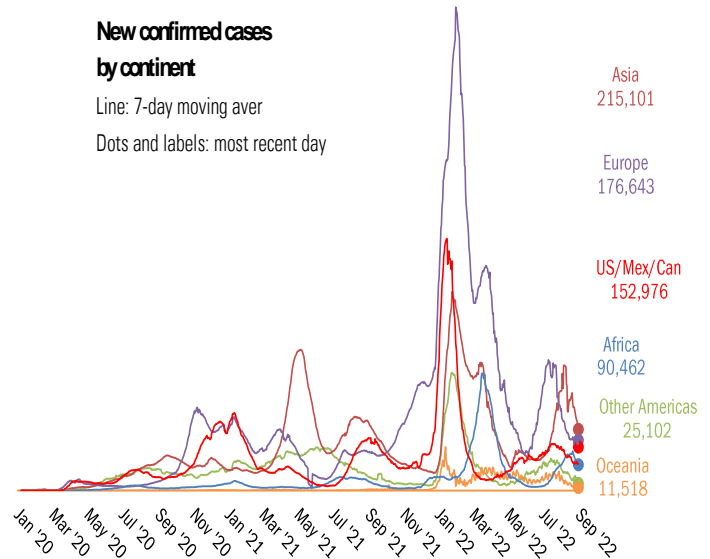
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	149,807	United States	717
United States	123,733	Japan	303
Korea, South	89,528	Canada	152
Russia	49,016	Germany	148
Taiwan*	34,077	Mexico	146
Germany	33,930	Colombia	127
Italy	20,498	Finland	113
France	18,671	Russia	95
Mexico	17,514	Sweden	94
Ukraine	12,182	Italy	68
<b>548,956</b>		<b>1,963</b>	
World	652,369	World	2,316
Top ten	84%	Top ten	85%

#### 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

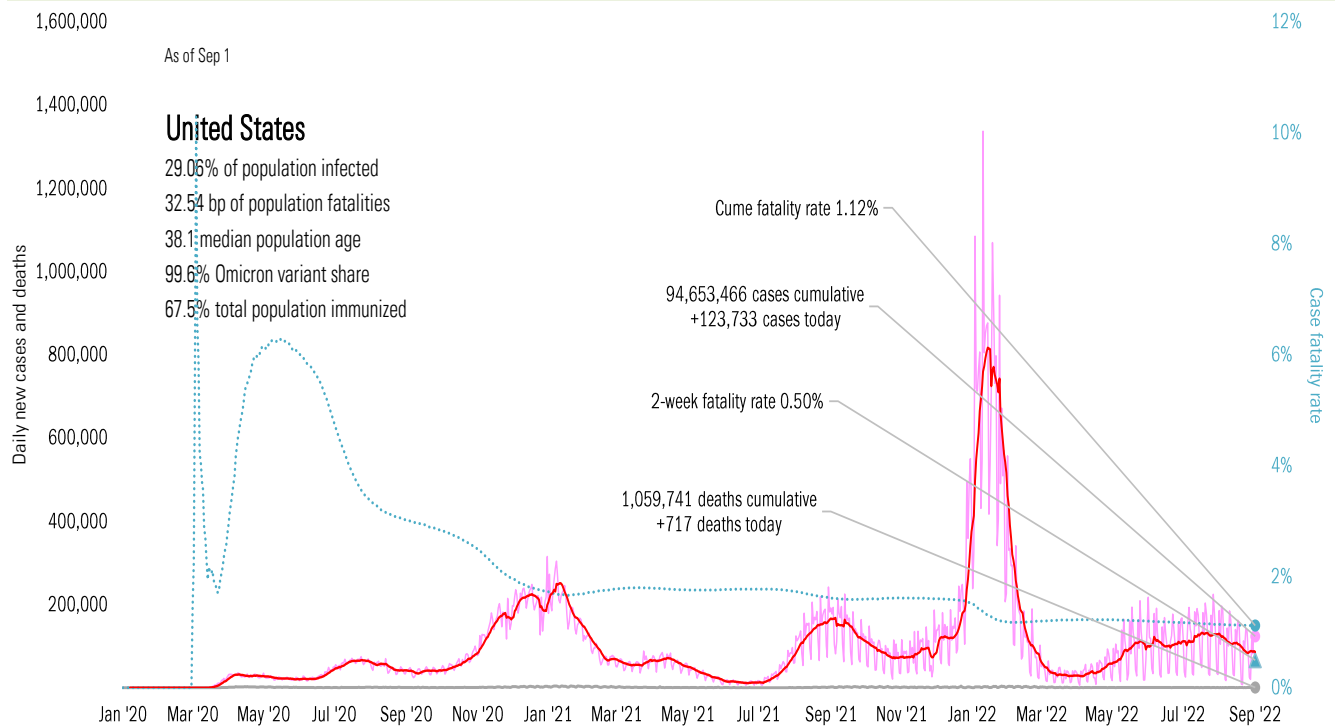
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use		
PA	18,264		FL	72		NH	91		CA	11,093,425		CA	94,906		TX	536,669		RI	90%		TX	89%
TX	10,255		NC	70		PA	237		TX	7,859,241		TX	90,322		CA	488,921		MA	88%		AL	84%
MA	8,742		KS	61		LA	118		FL	7,048,580		FL	79,907		FL	483,790		GA	86%		NM	83%
FL	7,189		NY	39		WV	52		NY	5,994,046		NY	71,163		NY	291,516		MN	85%		AK	83%
NY	5,662		IN	36		GA	212		IL	3,692,133		PA	46,716		GA	222,387		DE	85%		NC	83%
KS	5,650		TN	32		MA	108		PA	3,185,902		GA	39,772		CH	212,935		WA	84%		GA	82%
IL	4,584		WA	29		CT	86		NC	3,120,822		CH	39,490		PA	198,660		MO	84%		DC	82%
IN	4,394		ID	25		MO	100		CH	3,074,826		IL	39,351		IL	181,885		ND	83%		MA	81%
OK	3,790		IL	23		RI	20		GA	2,870,629		MI	38,038		MI	158,332		WV	83%		WA	81%
CH	3,611		TX	23		MN	80		MI	2,770,359		NJ	34,567		KY	142,441		MD	82%		VT	80%
72,142			410			1,104			50,709,963			574,232			2,917,536							
All states	123,733		717			5,283			All states	94,653,466		1,059,741			5,293,139			All states	70%		67%	
Top ten	58%		57%			21%			Top ten	54%		55%			55%			Median	78%		74%	

Some states not reporting

## Five most improved US states

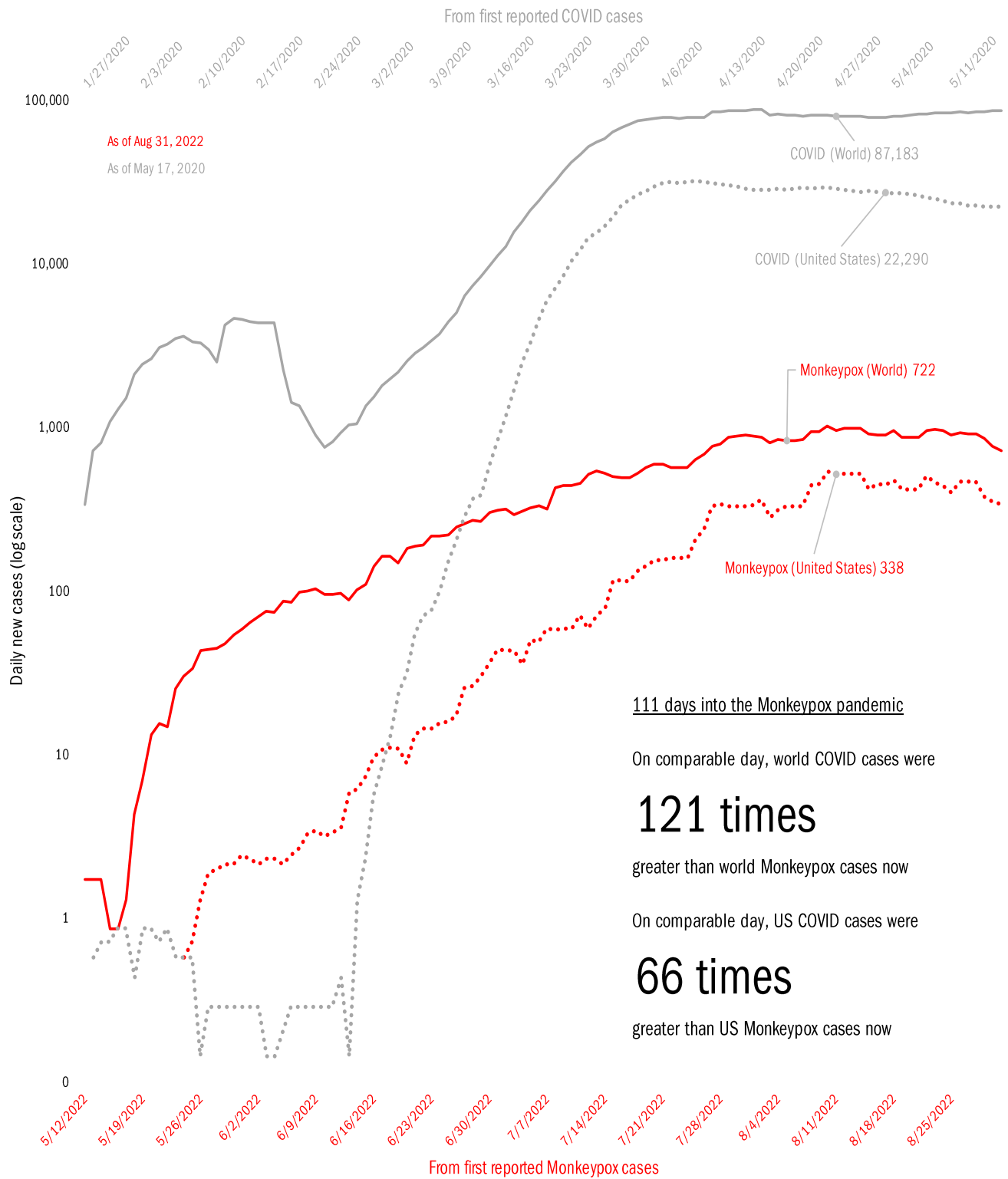
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
FL	-1,037	NJ	-12	NJ	-73
IA	-1,013	OR	-8	CH	-31
CA	-407	TX	-8	MD	-29
WI	-228	MD	-7	SC	-29
CT	-163	DC	-4	CA	-27



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

# The Monkeypox contextualizer

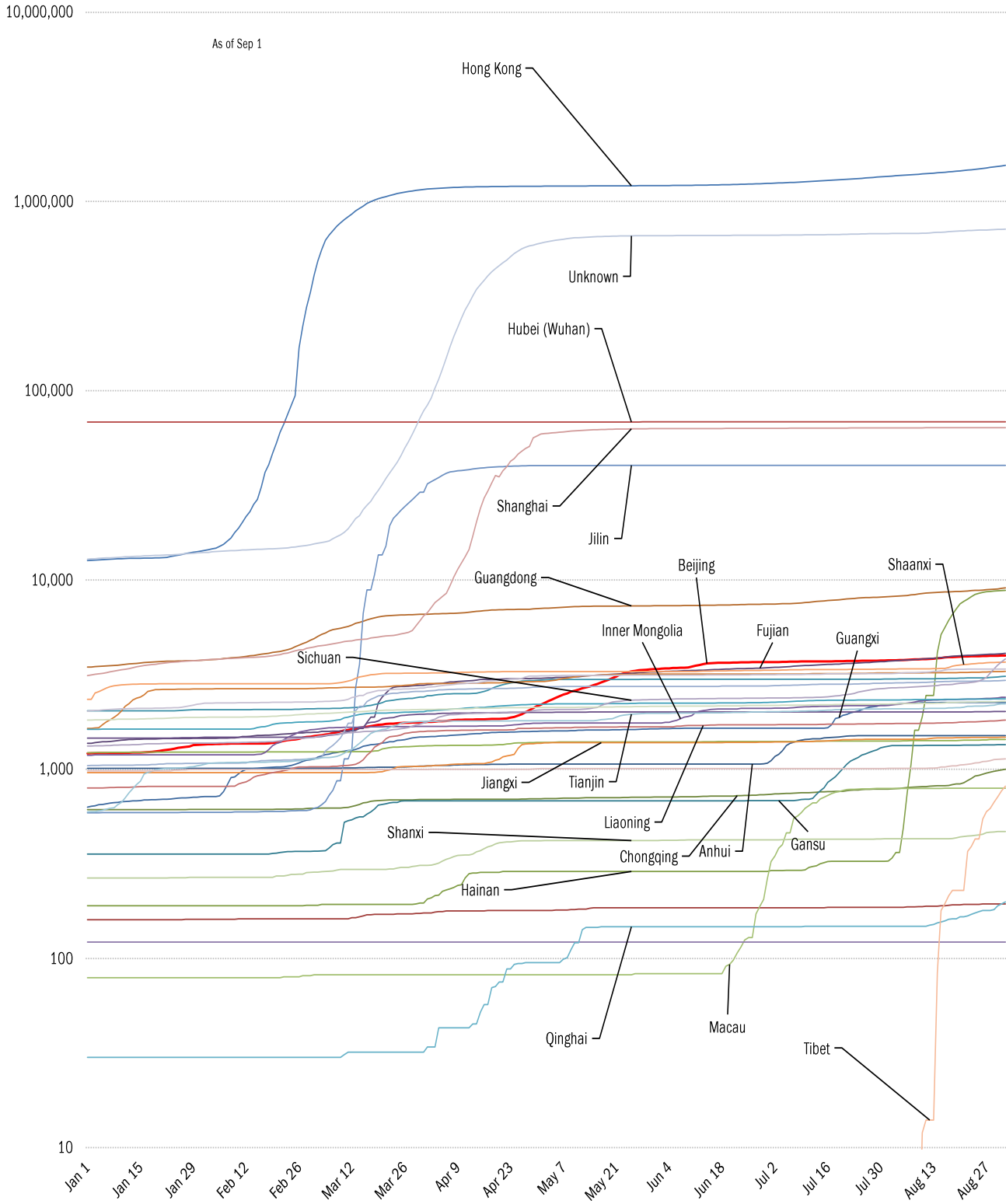
## The course of case growth versus COVID



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"*

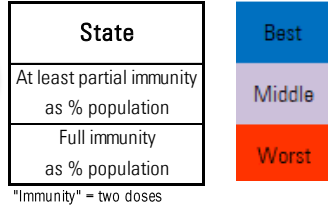
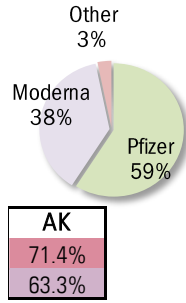


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

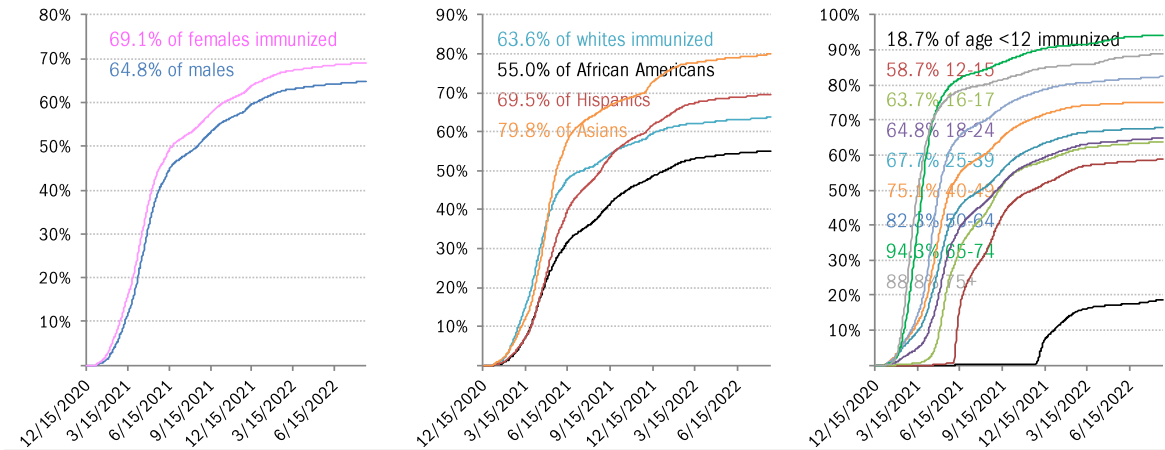
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	624,295,607		+0.198 million	US	67.4%	79.1%
of which boosters	110,660,827		+0.048 million	UK	75.3%	79.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	270,806,258	81%	230,434,360	69%	+0.034 million	France 78.7% 80.9%
Age 12 to 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%
DE	85.2%	70.8%
DC	95.0%	78.6%
GA	66.9%	56.0%
AL	63.9%	52.1%
MS	60.8%	52.9%
LA	62.0%	54.3%
TX	74.4%	61.6%
OK	72.6%	58.6%
NC	87.2%	63.4%
SC	69.3%	58.3%
VA	87.7%	74.5%
WV	66.2%	58.6%
OH	64.4%	59.3%
IN	63.1%	56.8%
IA	69.1%	62.9%
SD	79.1%	63.6%
WY	59.2%	51.8%
NV	76.9%	61.9%
UT	73.6%	65.3%
CO	81.3%	71.5%
NE	71.6%	64.7%
MO	67.6%	57.3%
KY	67.4%	58.4%
PA	87.4%	70.5%
OR	79.3%	70.7%
WA	82.7%	73.7%
ID	62.4%	55.1%
MT	66.4%	57.8%
ND	66.9%	56.6%
MN	76.7%	70.3%
IL	77.2%	69.5%
MI	68.0%	61.1%
WI	73.2%	66.6%
CA	84.0%	73.4%
AZ	75.4%	63.1%
NM	90.3%	72.7%
KS	74.1%	63.3%
AR	68.1%	55.5%

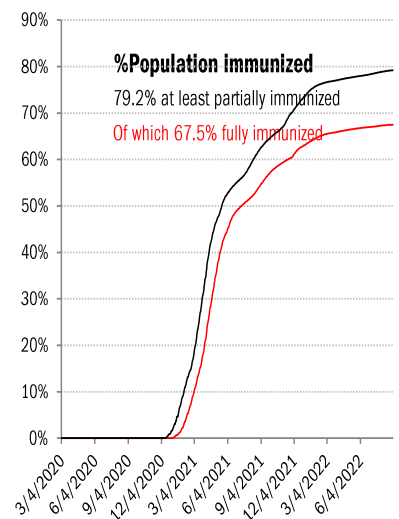
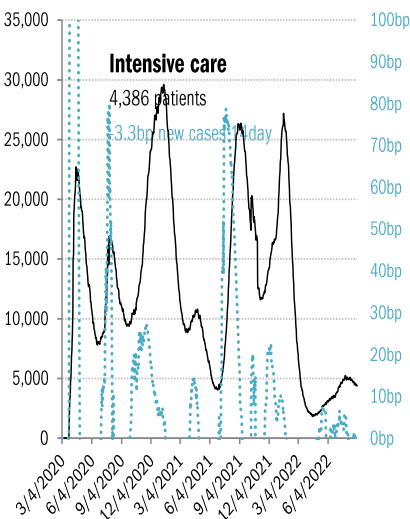
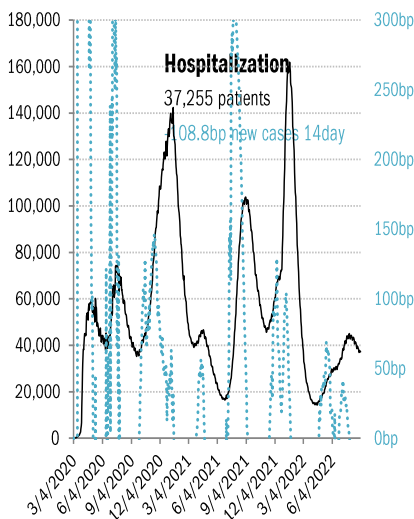
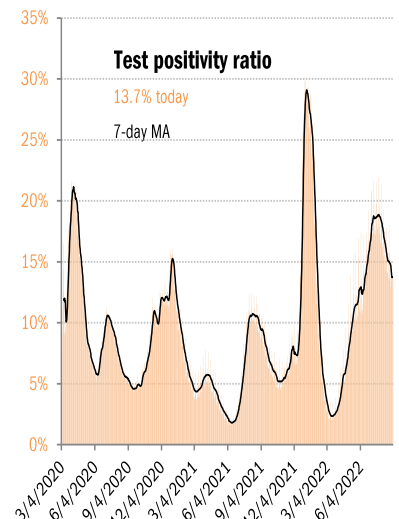
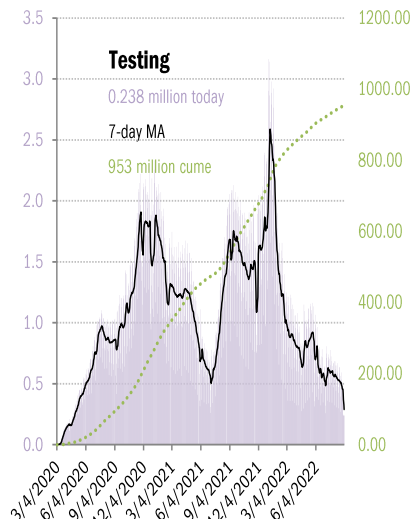
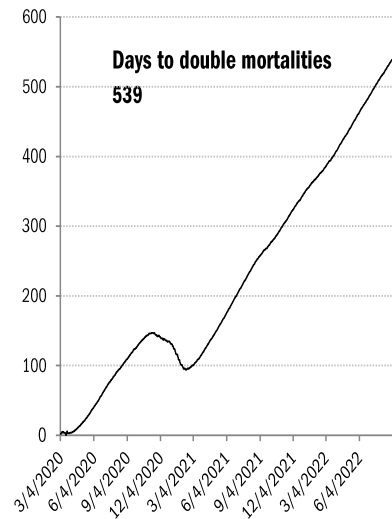
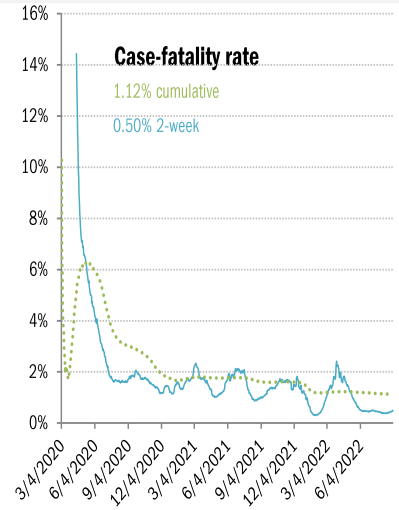
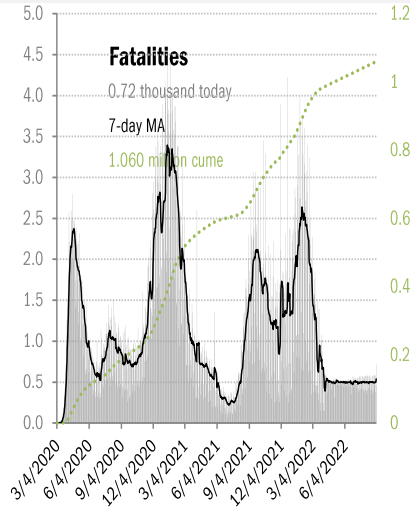
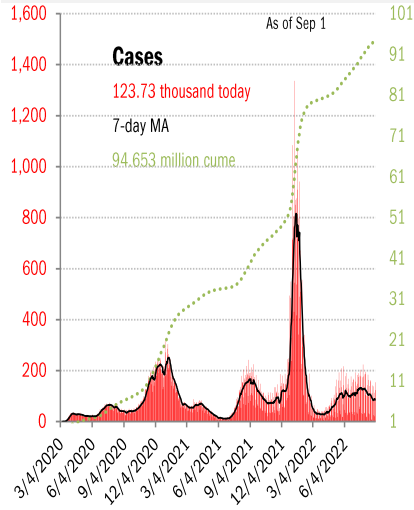
## The demographics of US vaccination



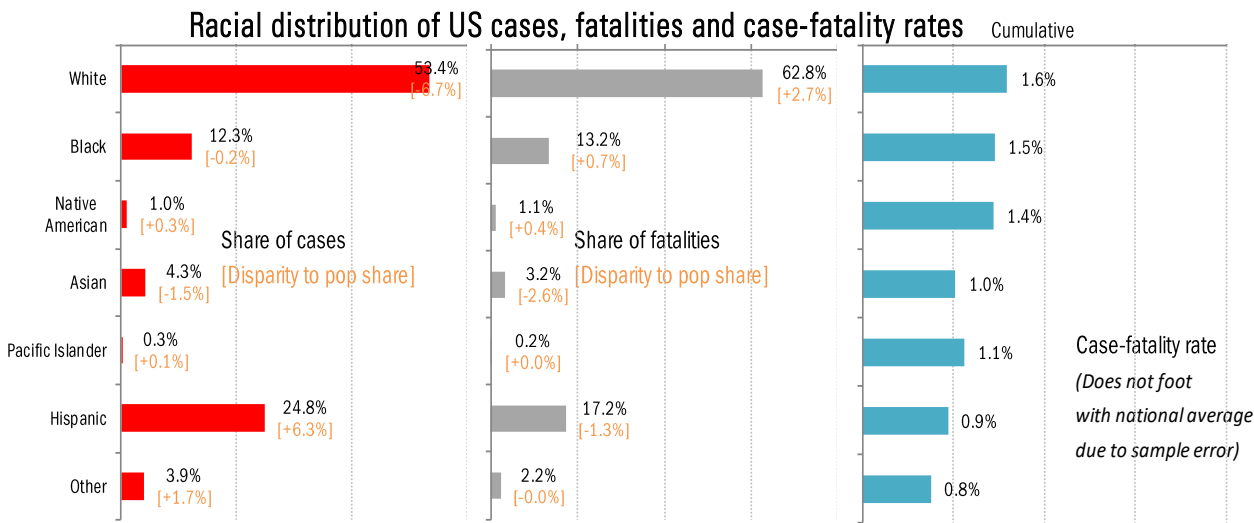
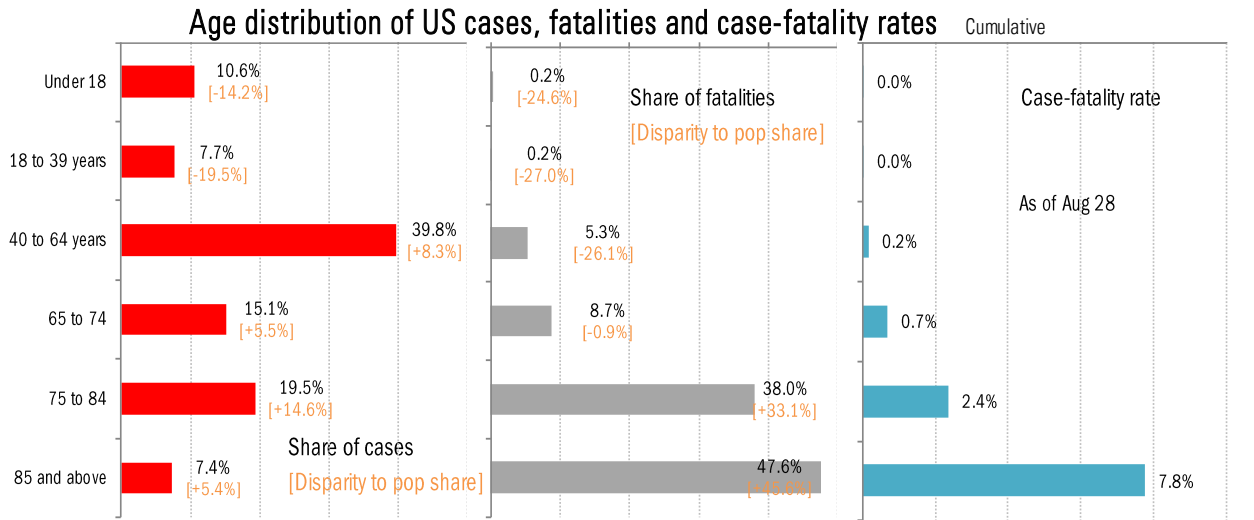
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

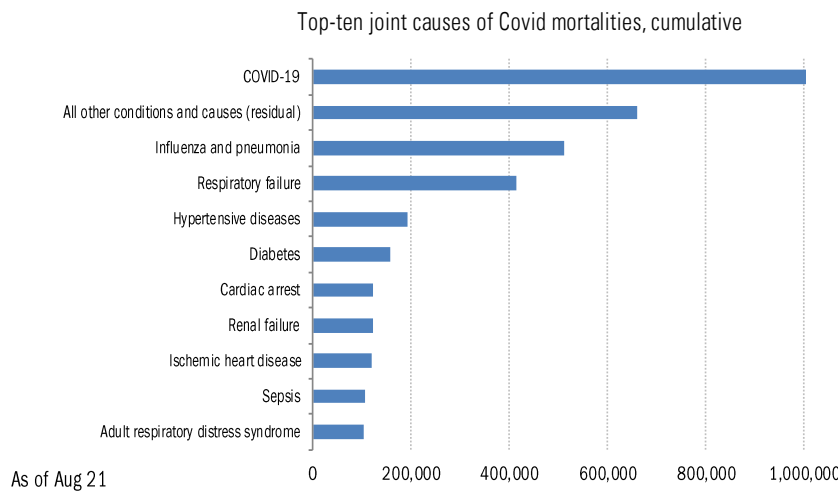
National and state-by-state data do not line up because of different sources



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

[Randi Weingarten Flunks the Pandemic](#)

*Wall Street Journal*

September 1, 2022

[The Pandemic Erased Two Decades of Progress in Math and Reading](#)

Sarah Mervosh

*New York Times*

September 1, 2022

[Rishi Sunak claims he was gagged over negative effects of COVID lockdowns and scientists had too much influence](#)

Faye Brown

*Sky News*

August 25, 2022

[Why Many Americans Turned on Anthony Fauci](#)

Ari Schulman

*New York Times*

August 30, 2022

## Meme of the day

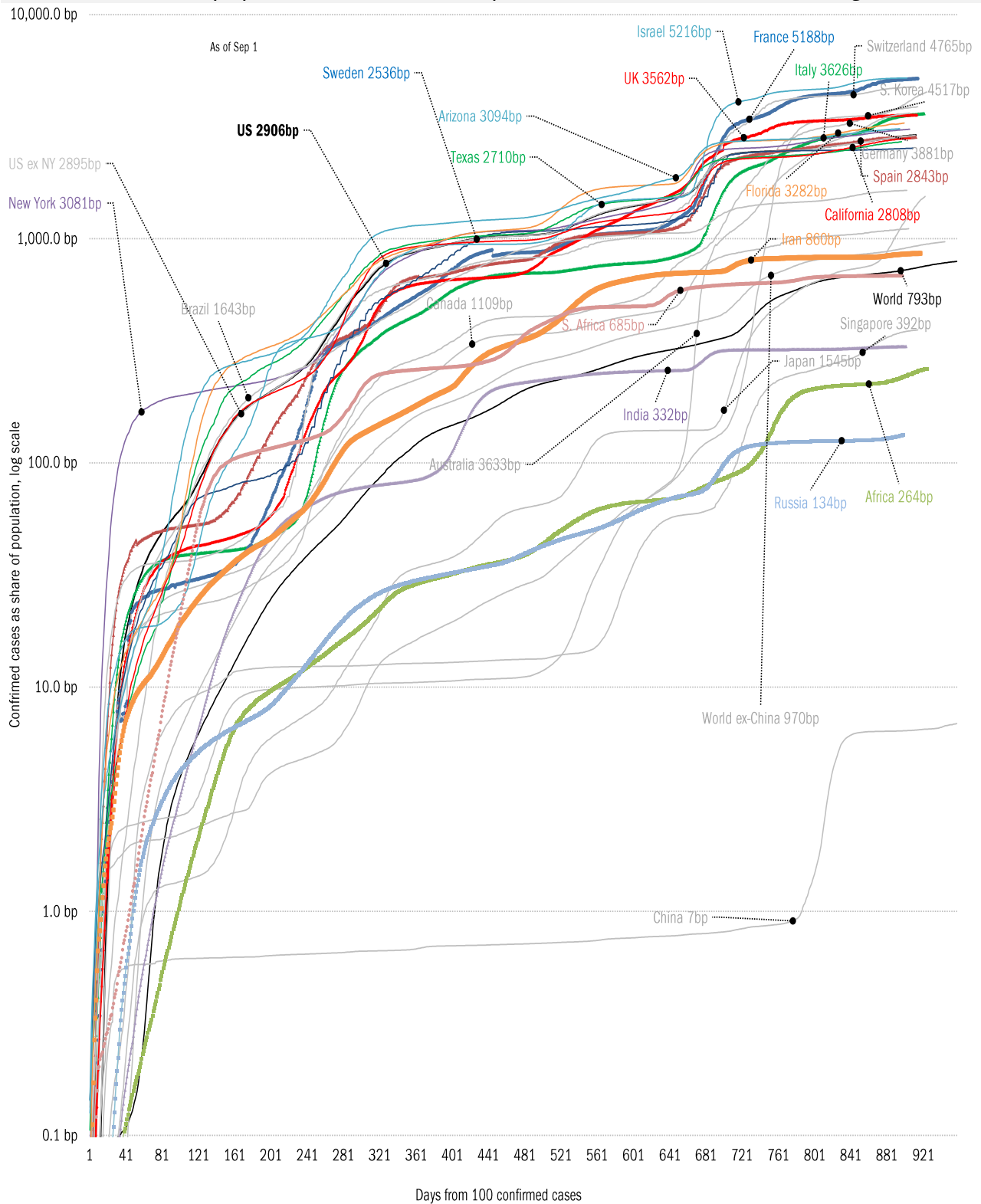


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



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

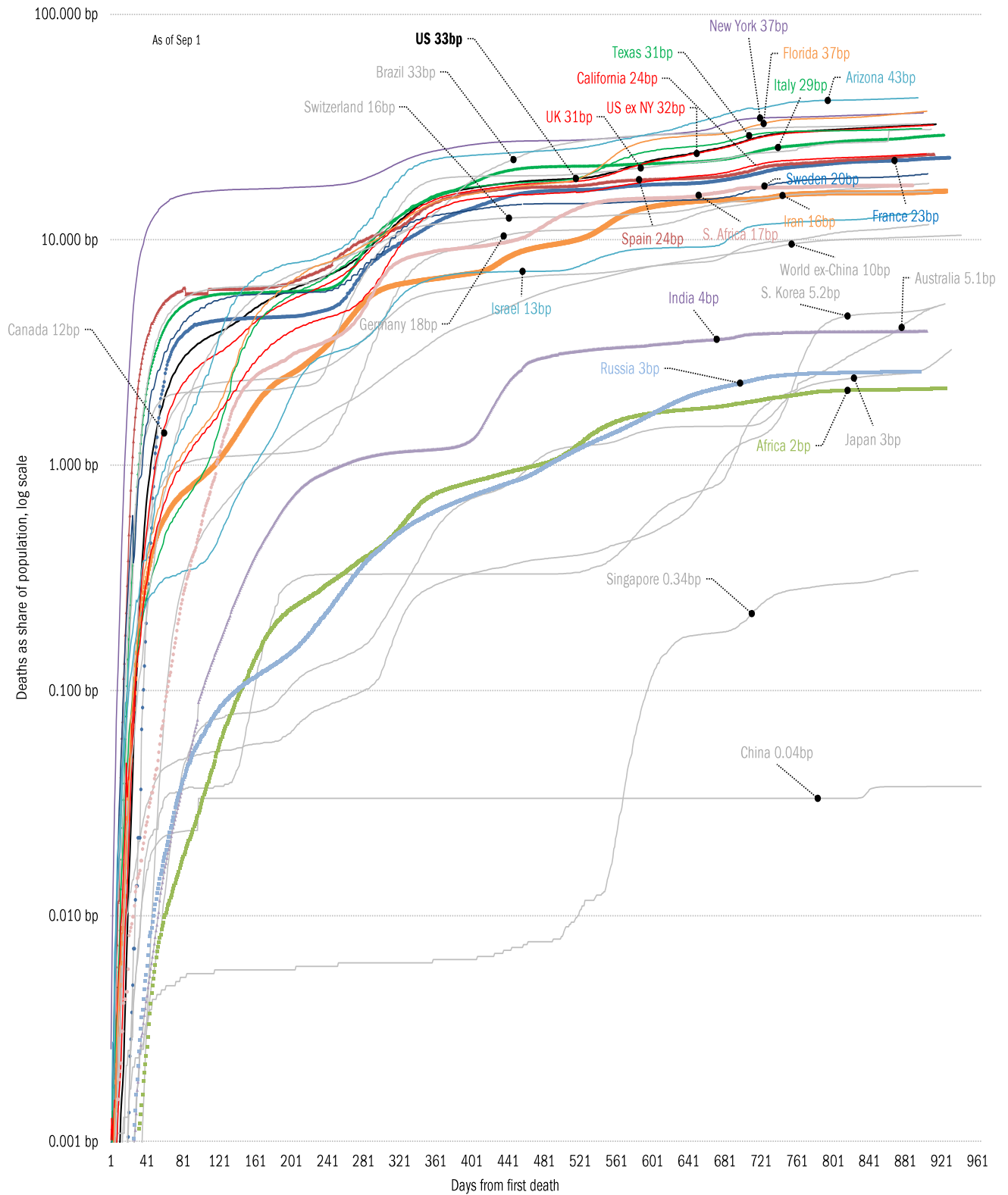
*Share of infected population from first day with 100 confirmed cases, log scale*



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

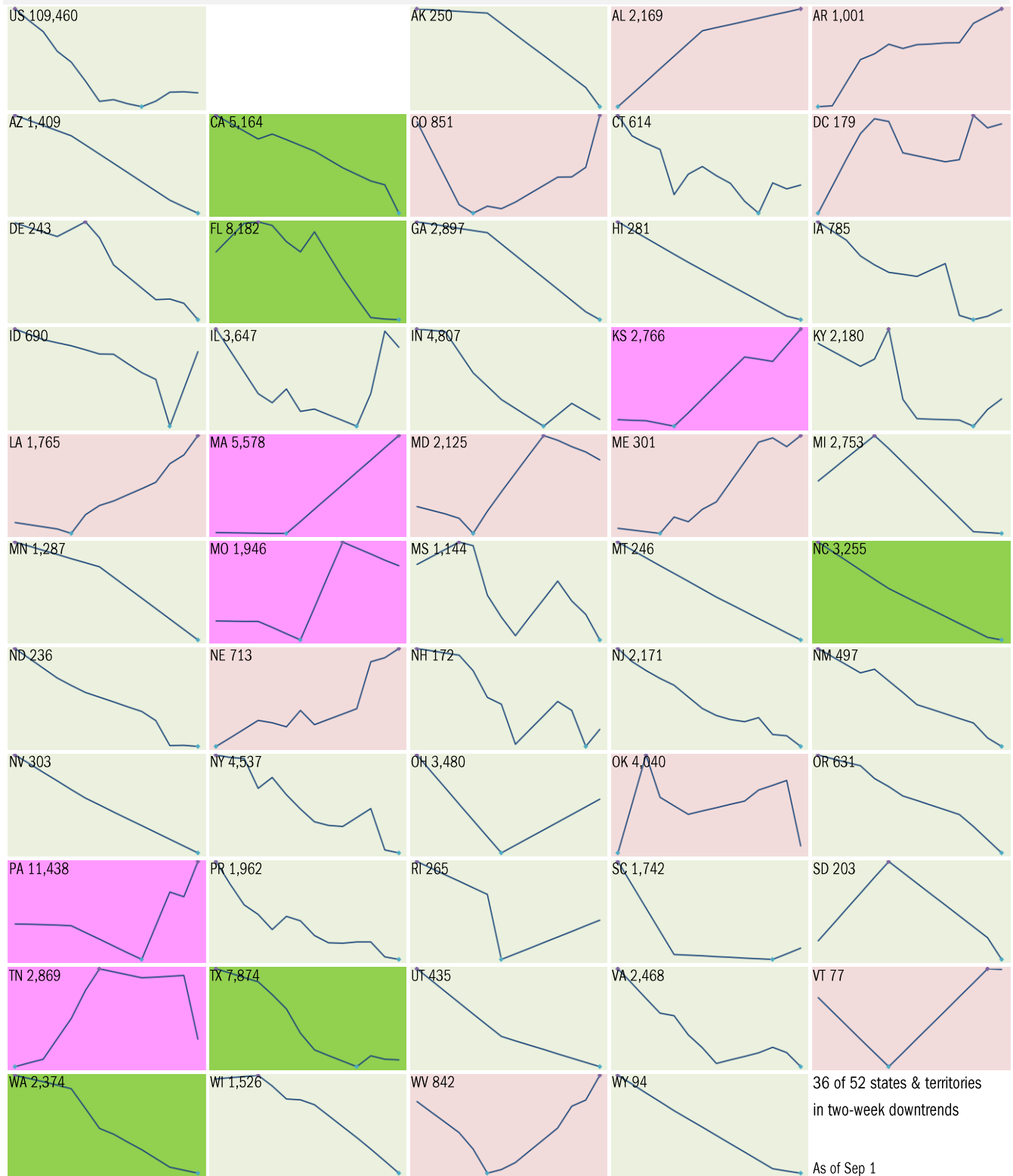


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

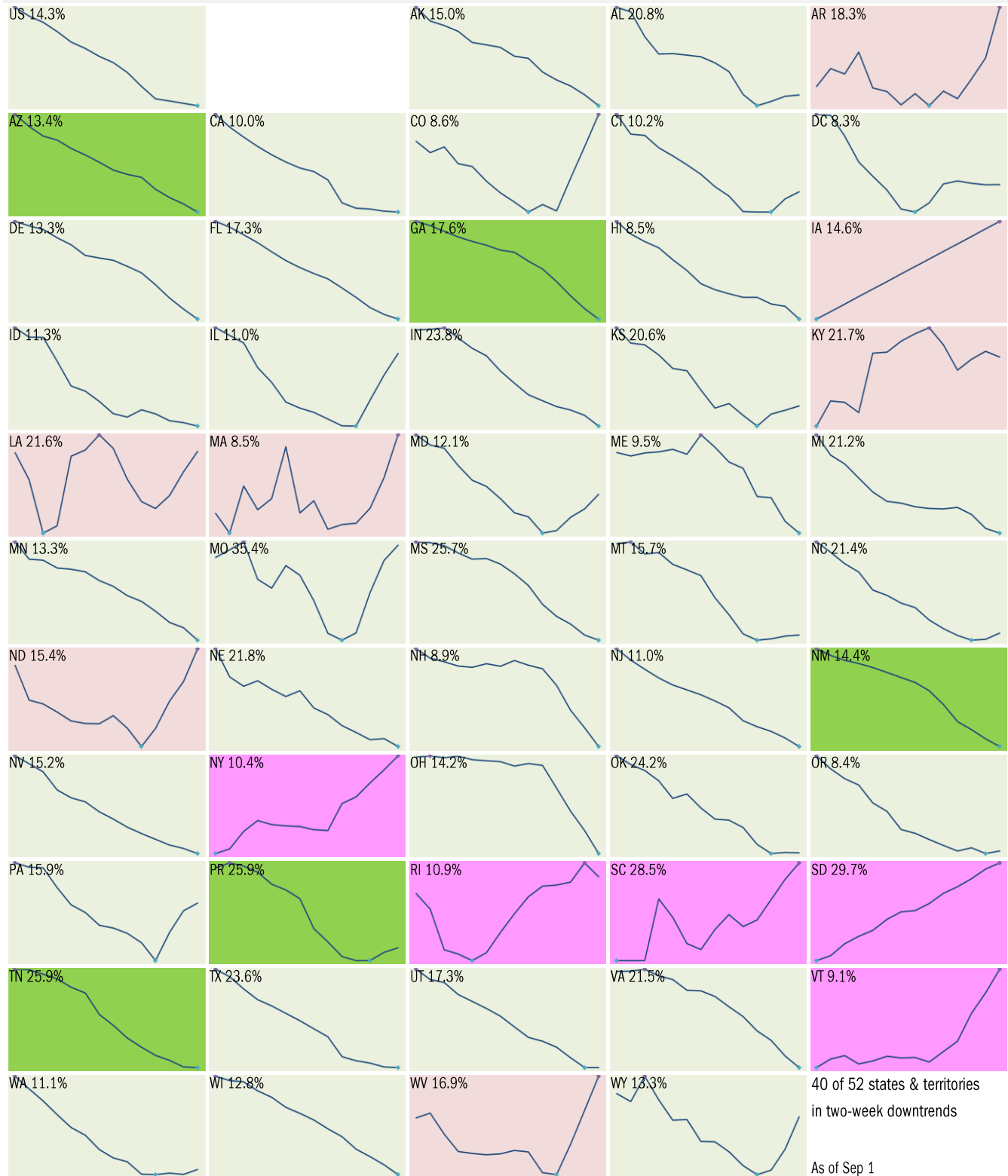


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

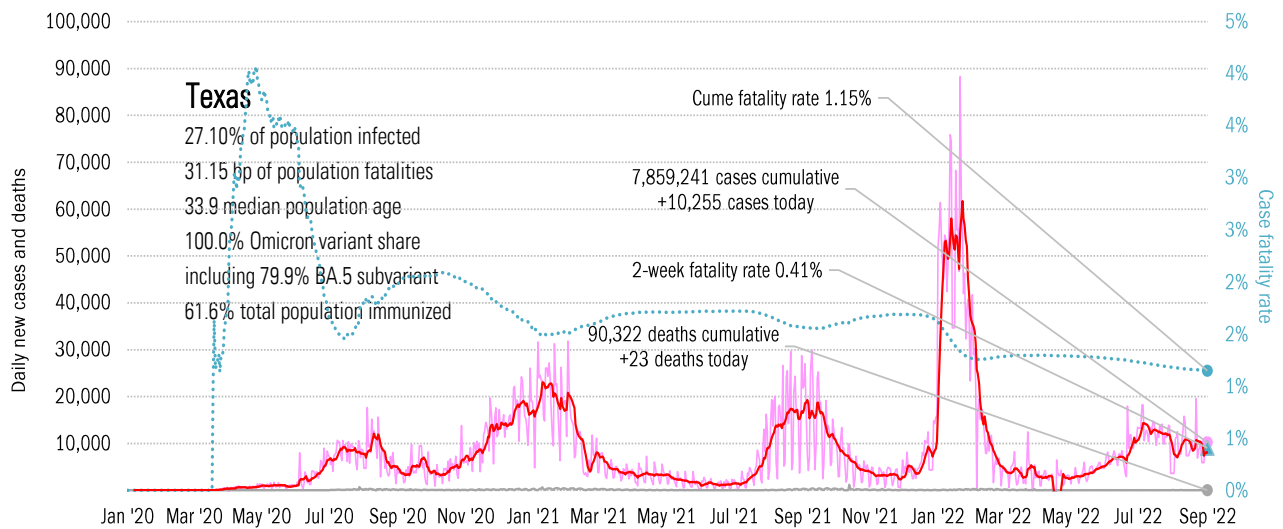
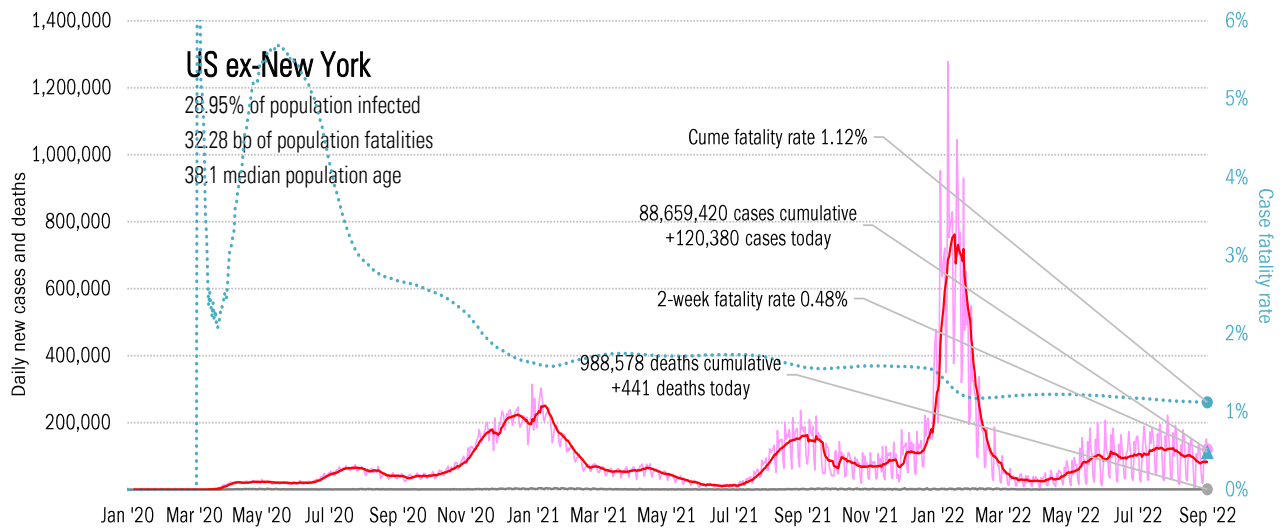
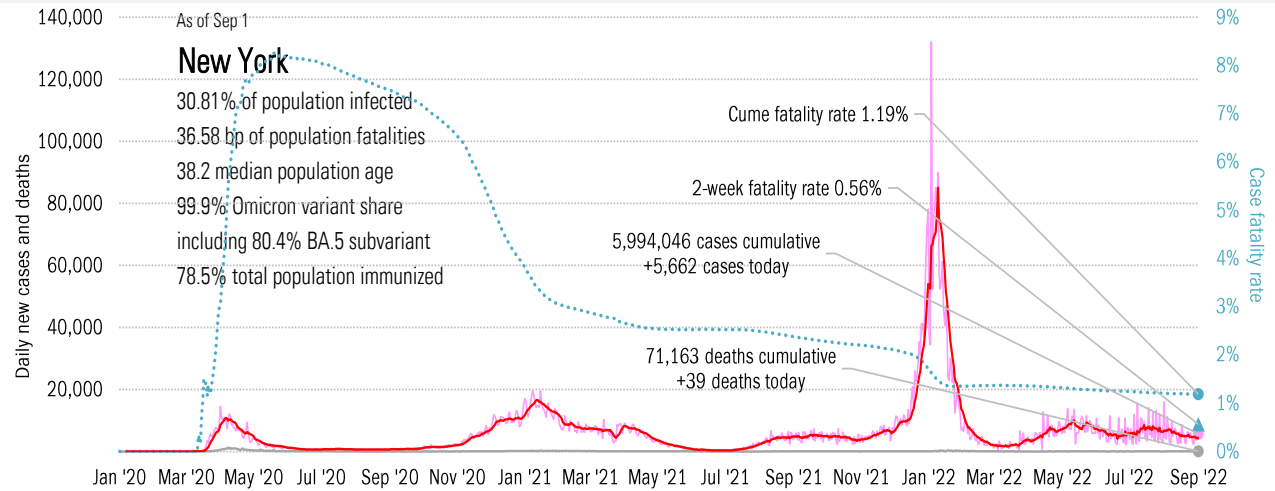
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

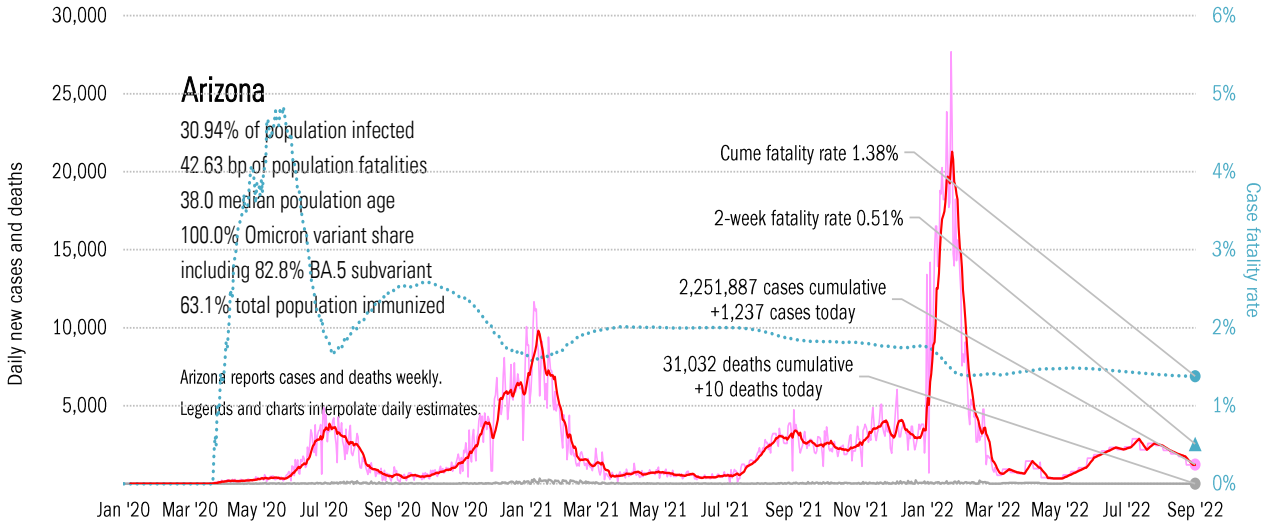
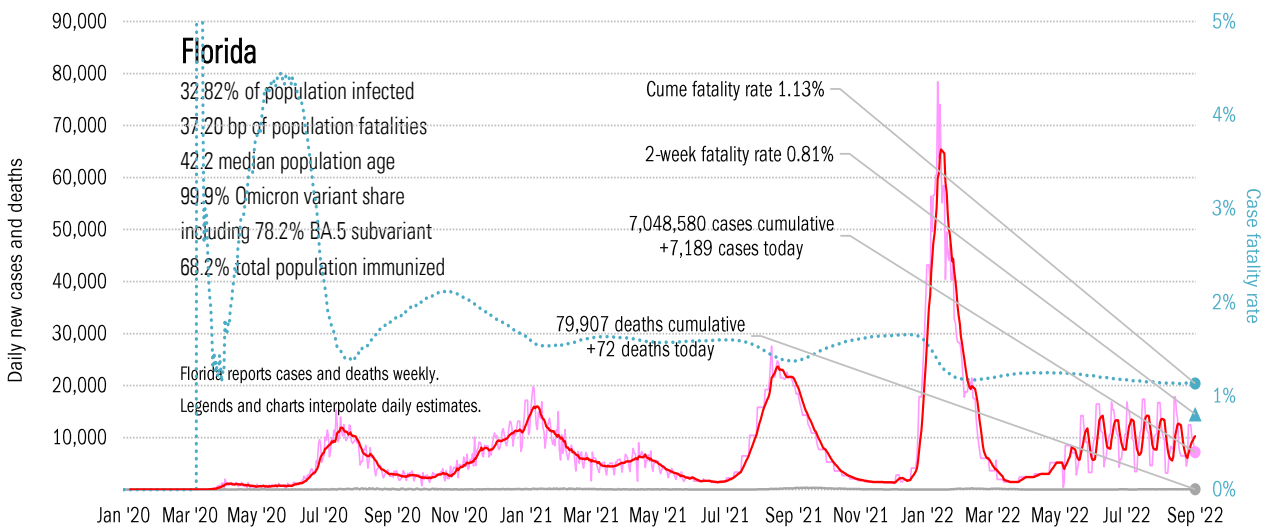
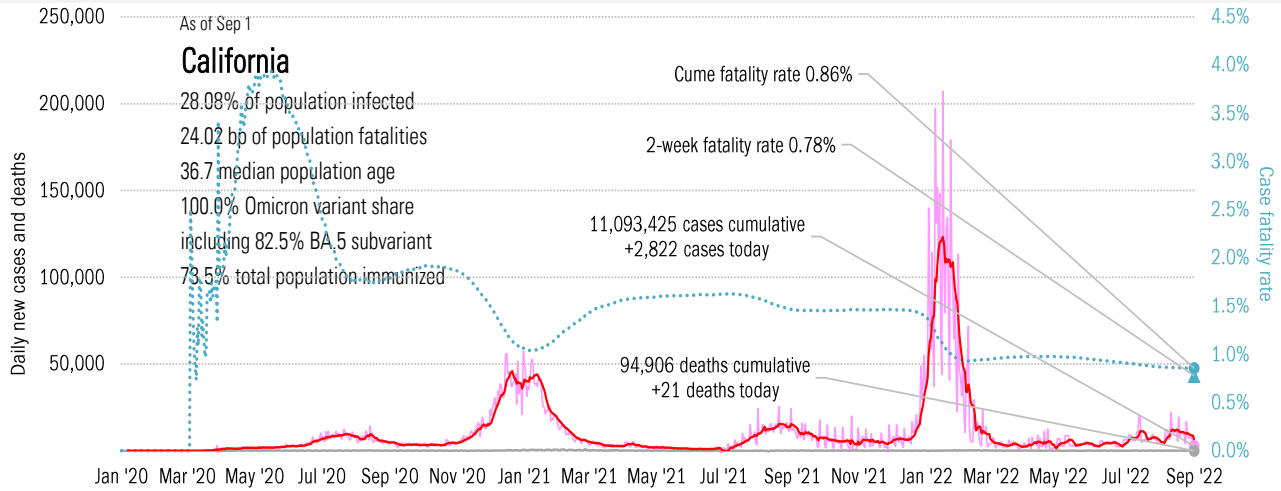
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

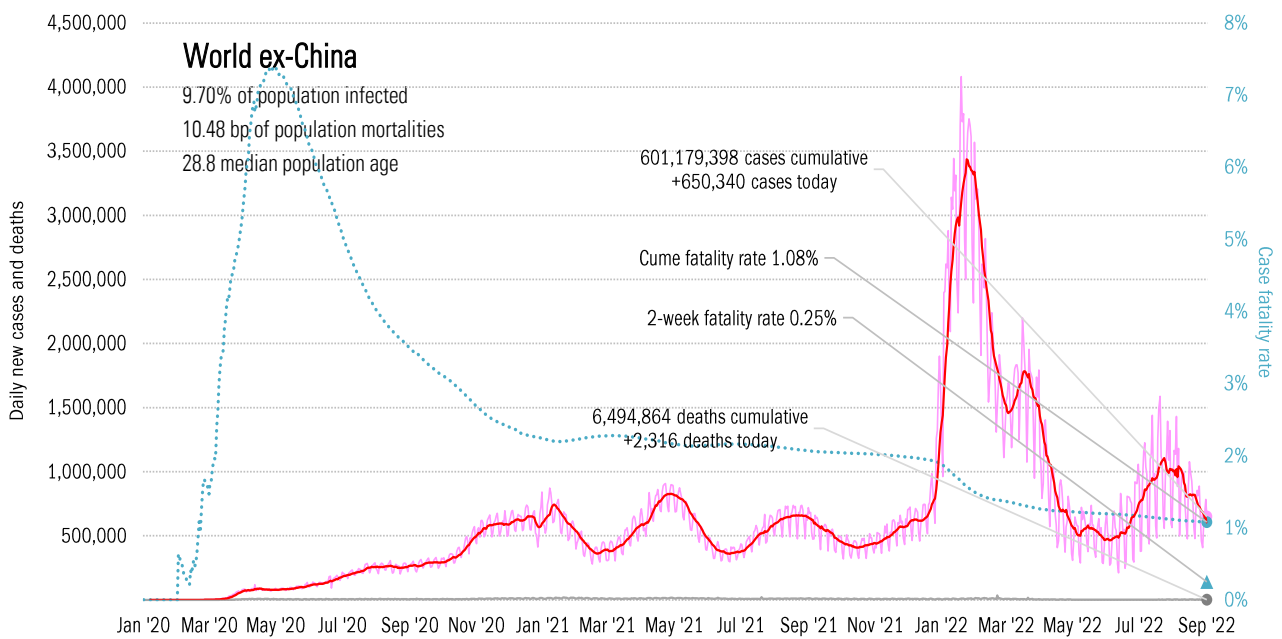
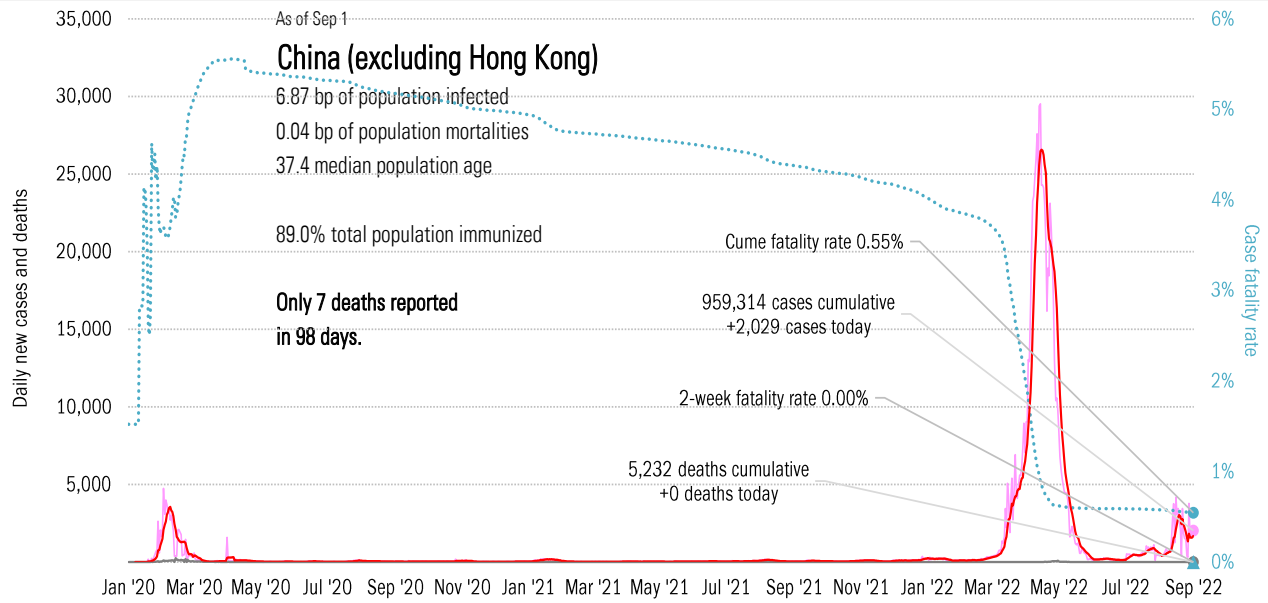
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

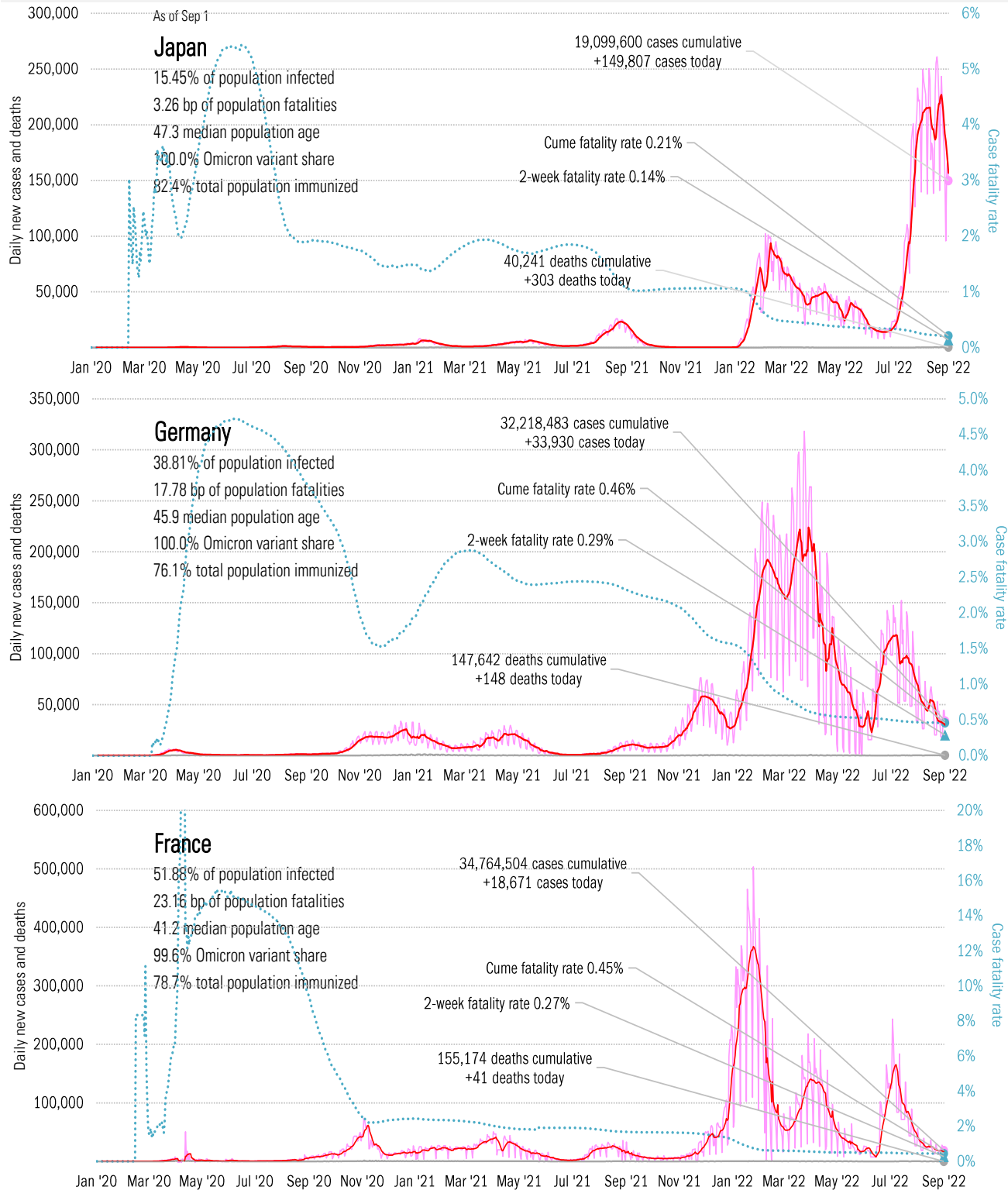


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

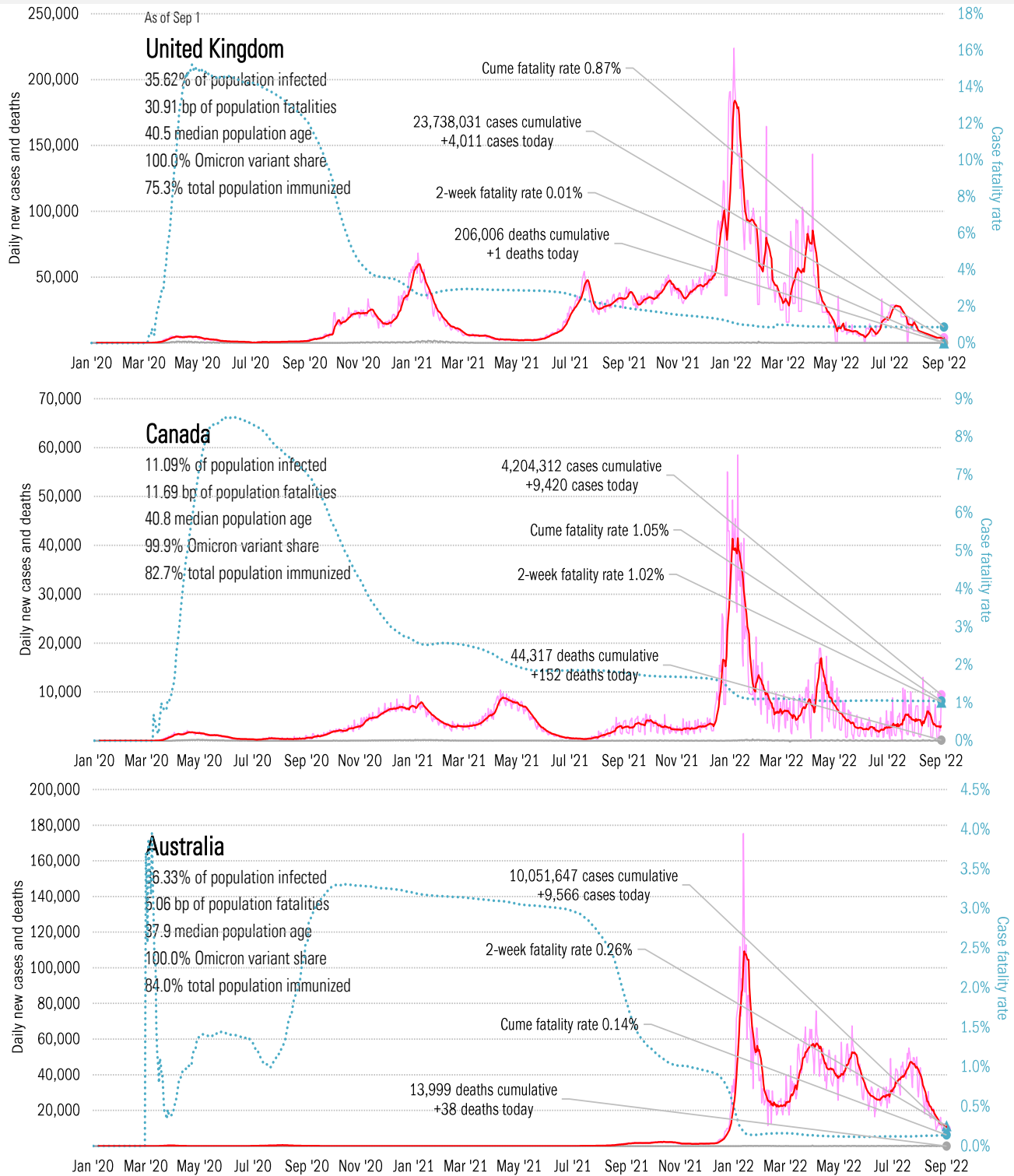
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

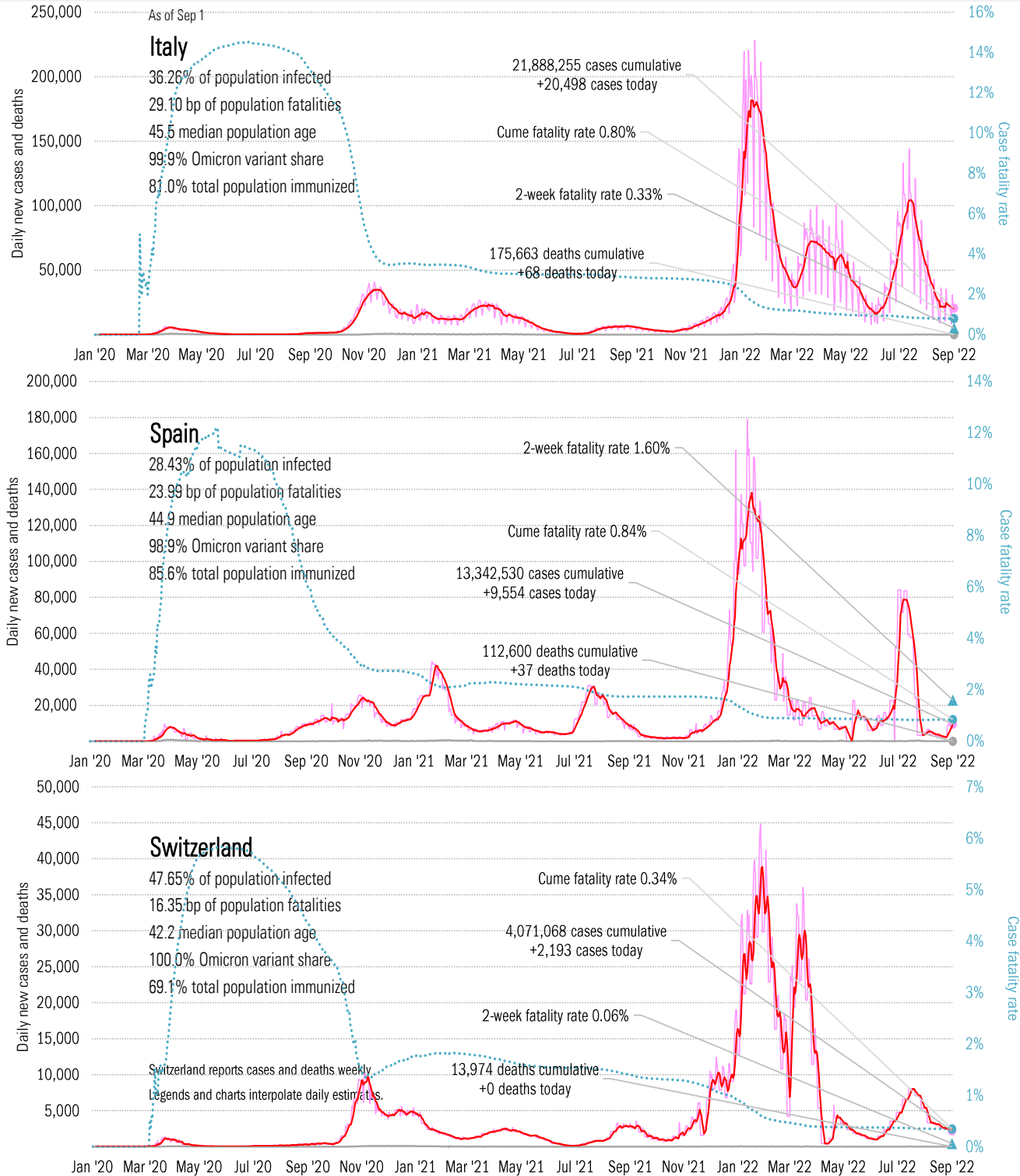
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

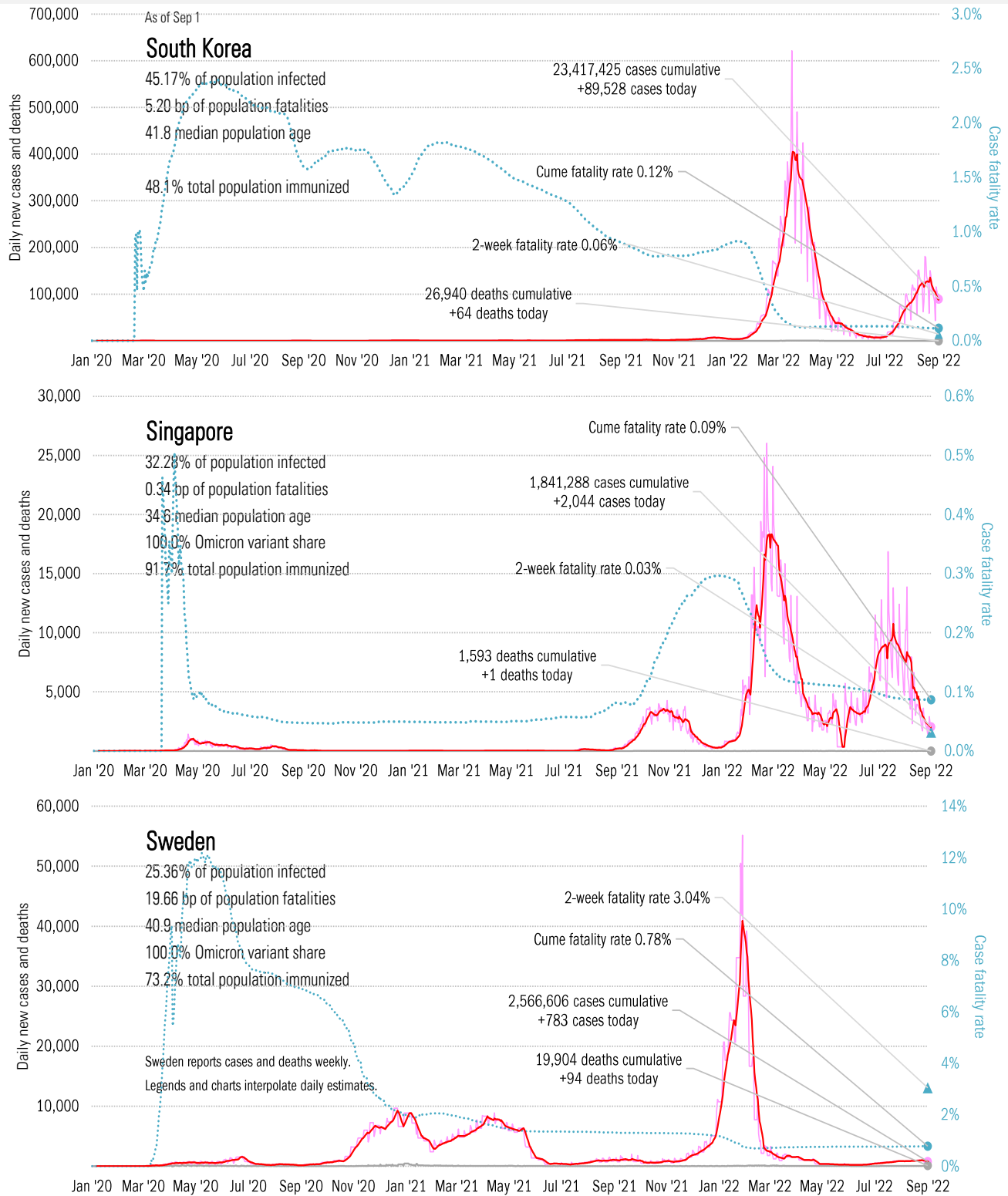
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

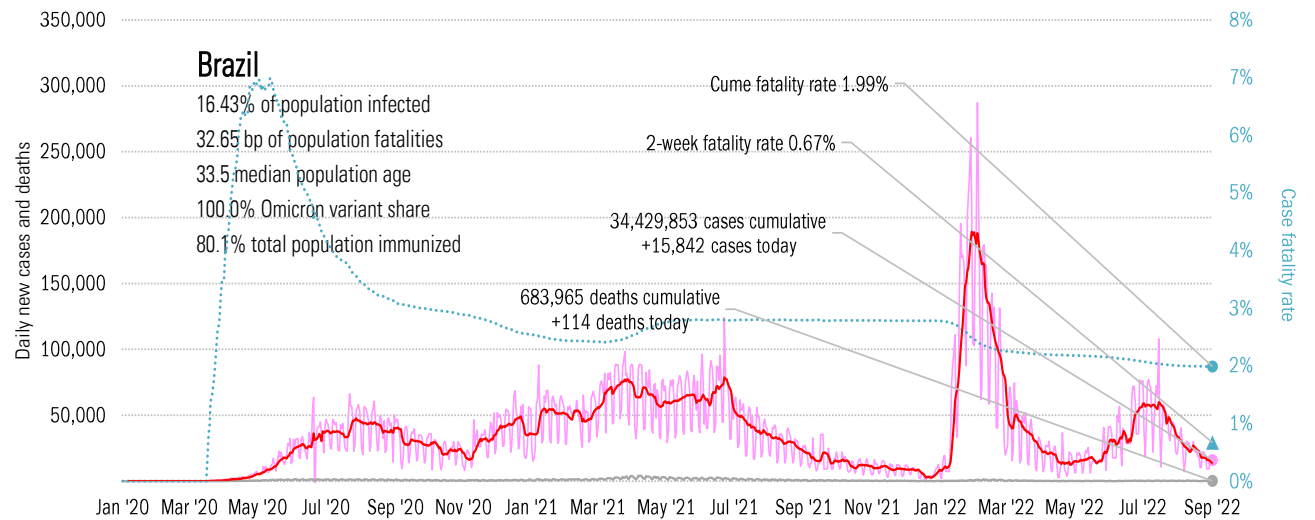
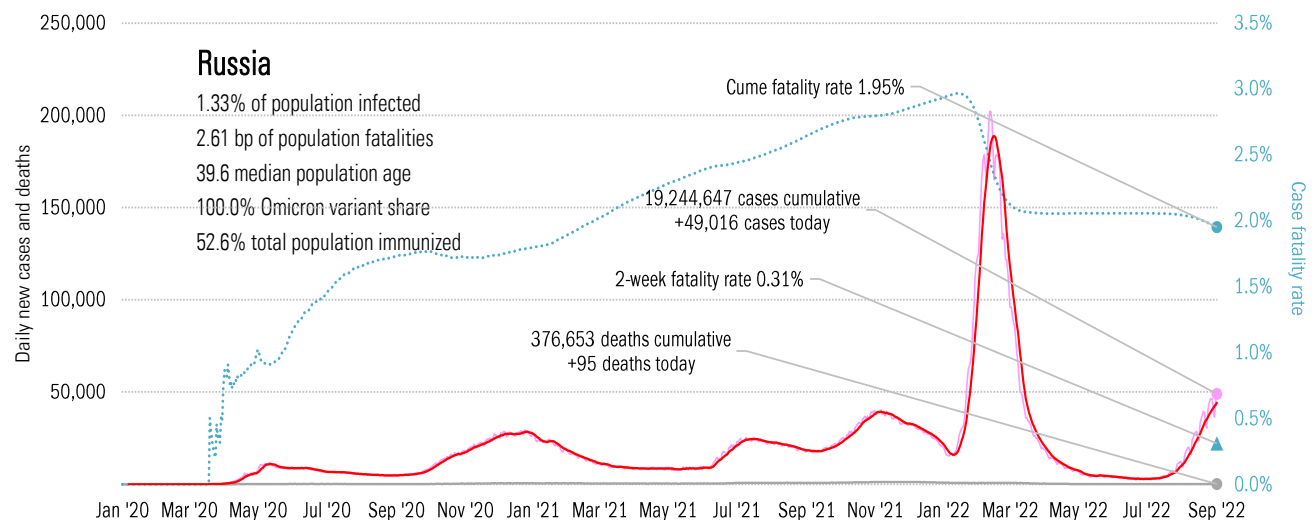
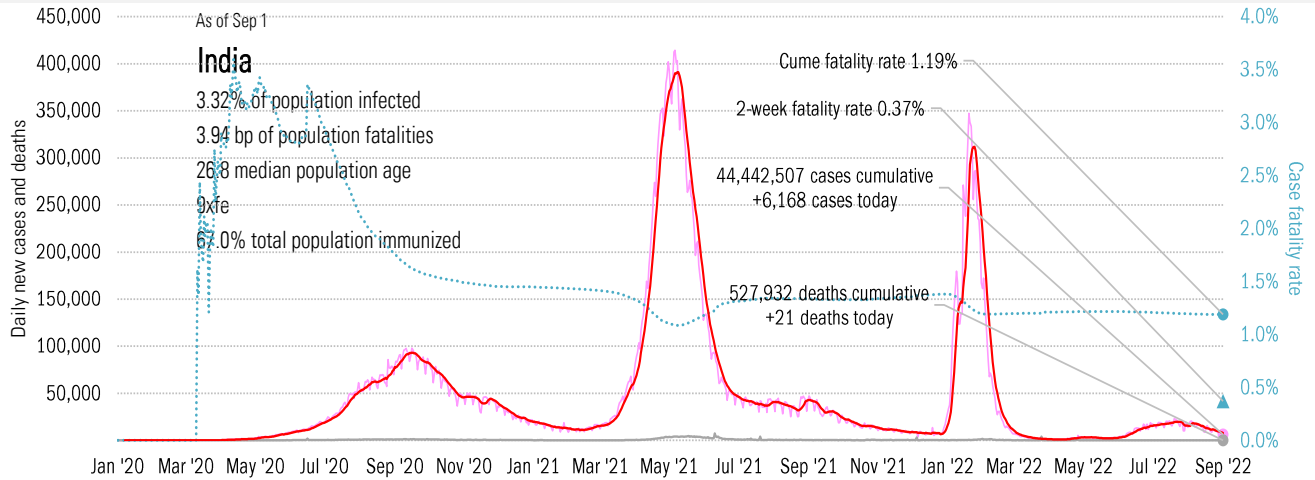
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

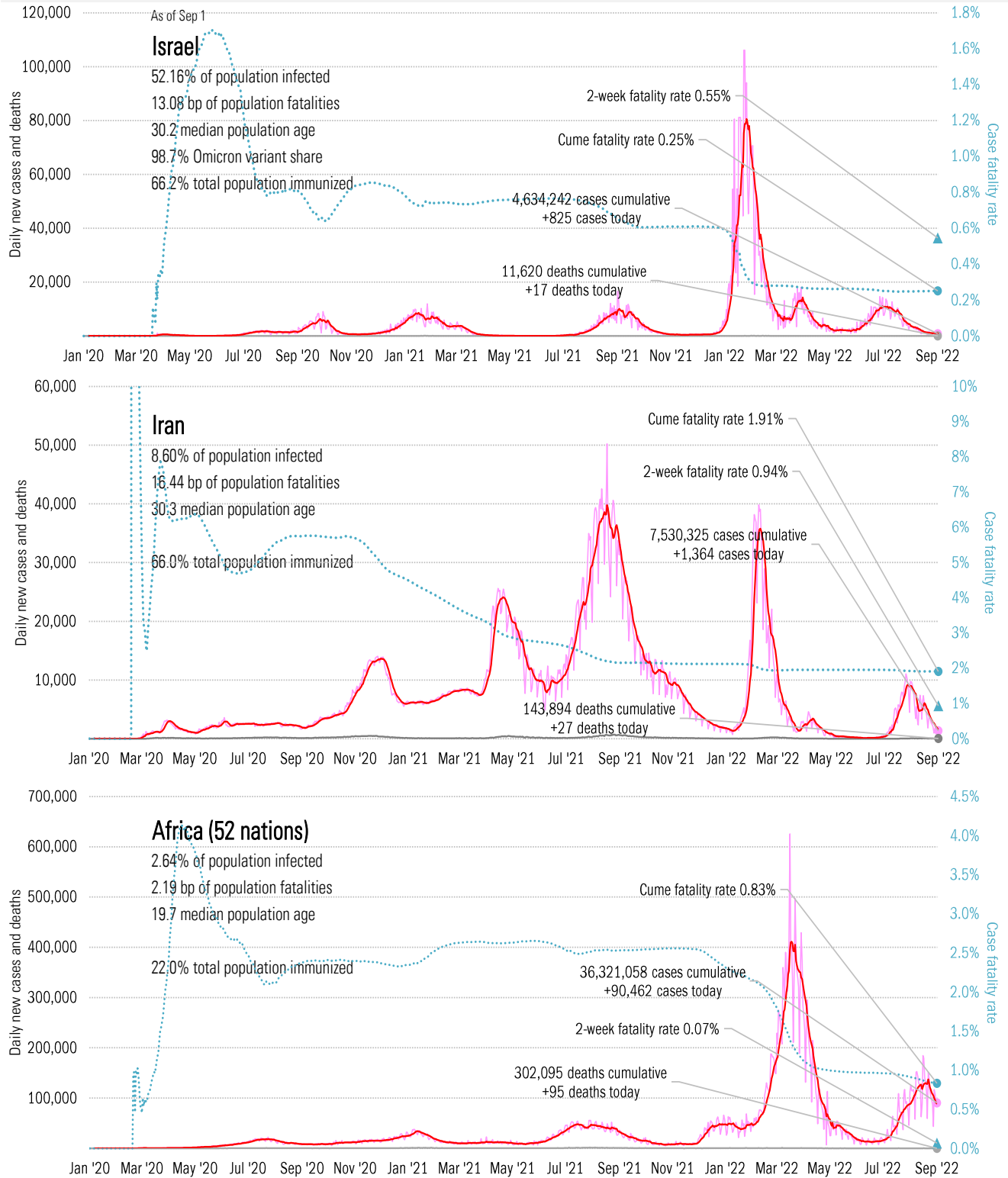
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

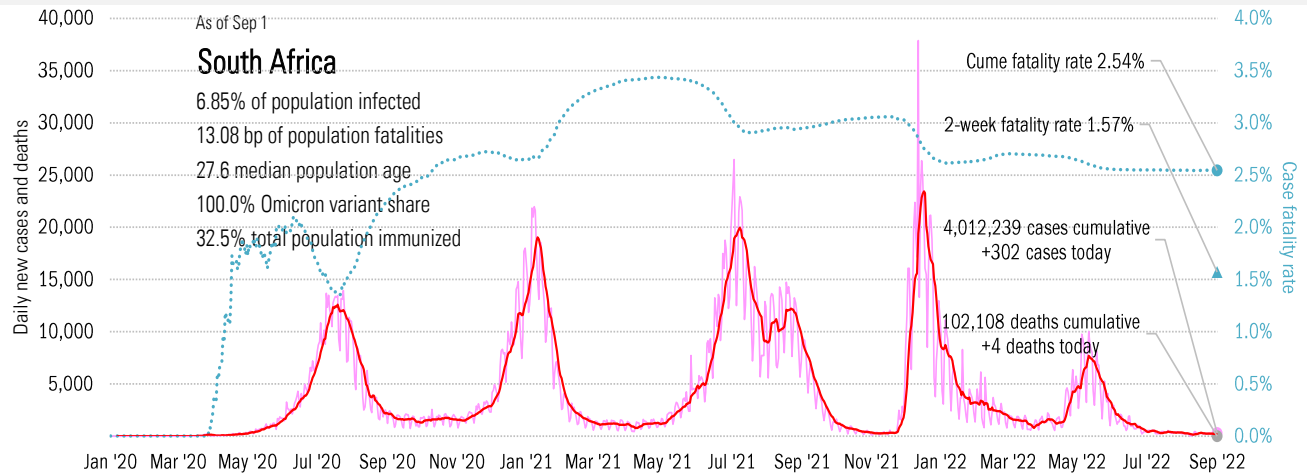
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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