

Data Insights: Covid-2019 Monitor

Monday, September 5, 2022

The global scorecard

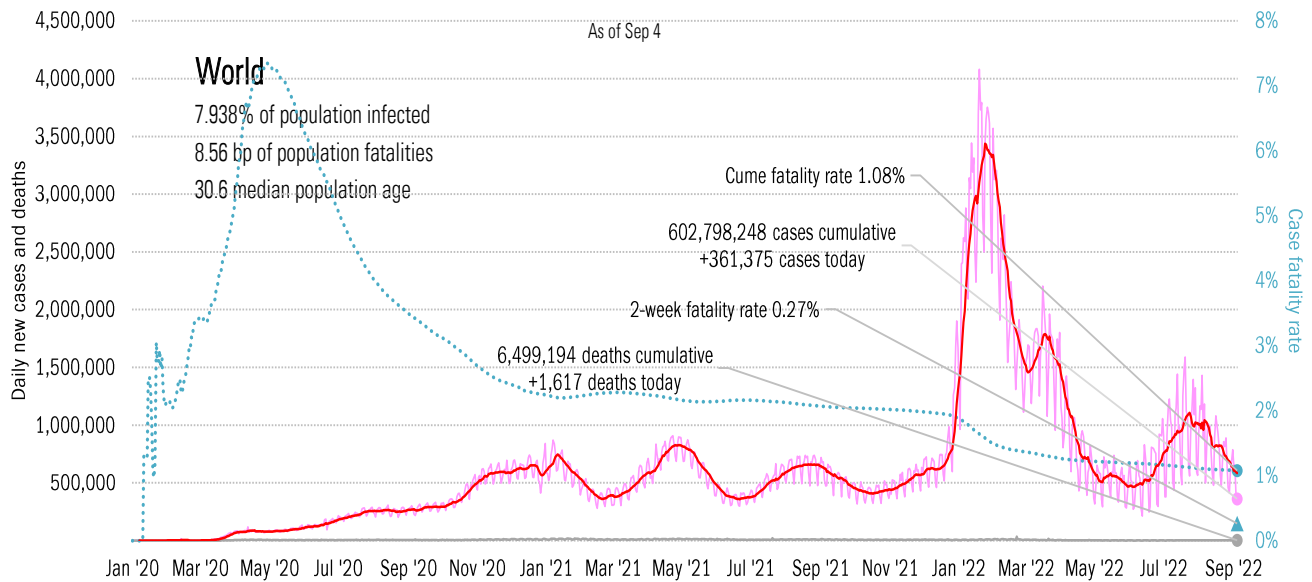
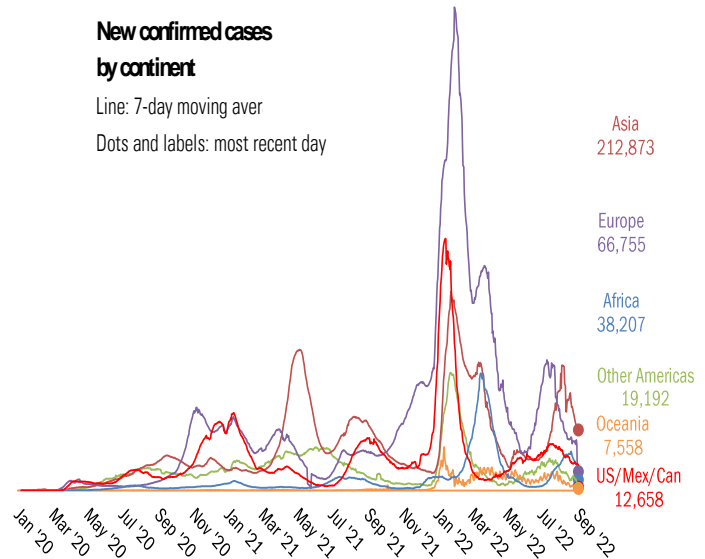
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	108,647	United States	682
Japan	107,769	Japan	216
Russia	47,263	Turkey	209
Turkey	45,882	Russia	86
Korea, South	37,548	Argentina	58
Taiwan*	34,340	Korea, South	56
Italy	13,196	Mexico	50
Argentina	11,636	Philippines	49
Australia	6,158	Iran	48
India	5,910	Chile	39
418,349		1,493	
World	361,375	World	1,617
Top ten	116%	Top ten	92%

New confirmed cases by continent

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



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

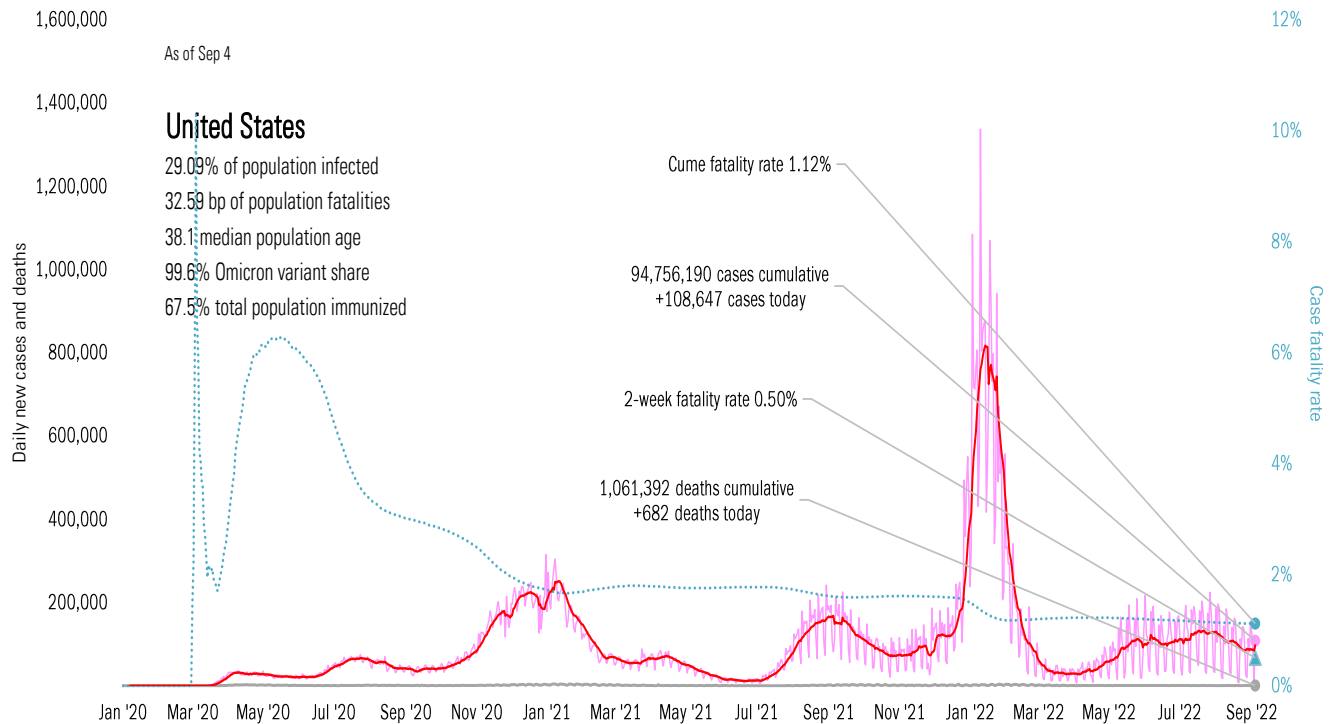
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	26,842		NC	70		TX	415		CA	11,120,267		CA	94,973		TX	537,895		MD	95%	WA	84%
TX	10,731		CA	67		GA	237		TX	7,869,972		TX	90,362		CA	490,325		RI	90%	NC	84%
KS	5,650		FL	65		MO	125		FL	7,048,657		FL	80,102		FL	485,173		MA	87%	TX	83%
IN	4,394		KS	61		AL	121		NY	6,002,784		NY	71,180		NY	292,259		GA	84%	MA	82%
IL	4,252		TX	40		LA	113		IL	3,696,385		PA	46,716		GA	223,004		MN	84%	AL	82%
OK	3,790		IN	36		PA	206		PA	3,185,902		GA	39,772		CH	213,474		WA	83%	NM	81%
CH	3,611		WA	29		VA	128		NC	3,120,822		CH	39,490		PA	199,266		MO	83%	AK	81%
ID	3,300		ID	25		CT	74		CH	3,074,826		IL	39,370		IL	182,513		DE	82%	GA	80%
NC	3,128		VA	24		KY	114		GA	2,870,629		MI	38,038		MI	158,852		DC	80%	RI	80%
TN	3,085		GA	20		CA	485		MI	2,770,359		NJ	34,583		KY	142,736		AK	80%	DC	80%
68,784			437			2,018			50,760,603			574,586			2,925,497						
All states	108,647		682			4,863			All states	94,756,190		1,061,392			5,307,462			All states	70%	67%	
Top ten	63%		64%			41%			Top ten	54%		55%			55%			Median	75%	72%	

Some states not reporting

Five most improved US states

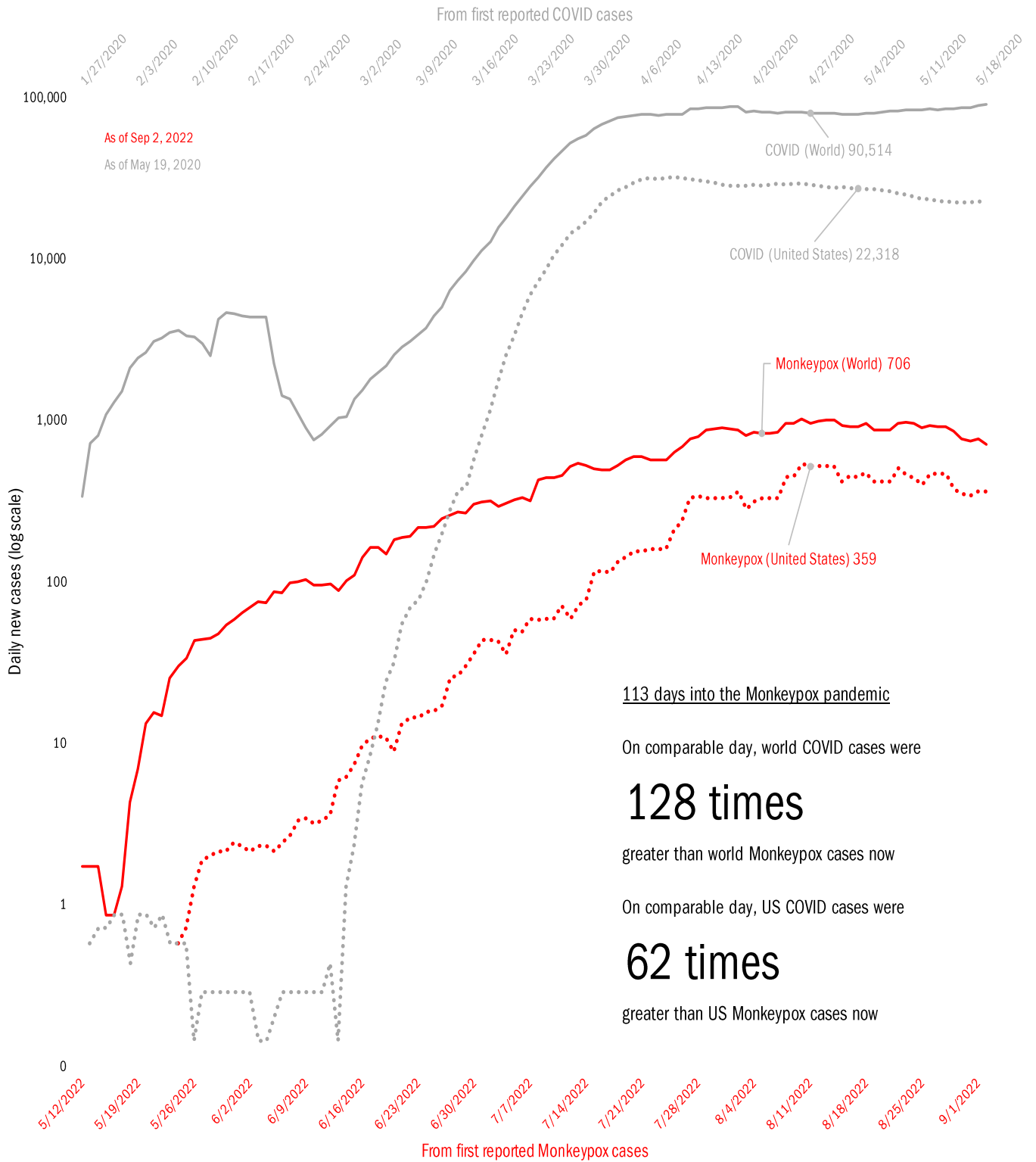
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CT	-1,675	AK	0	WV	-29
NJ	-489	AL	0	AZ	-26
NY	-424	AR	0	MD	-19
AR	-418	AZ	0	TN	-15
AK	0	CA	0	NV	-10



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

The Monkeypox contextualizer

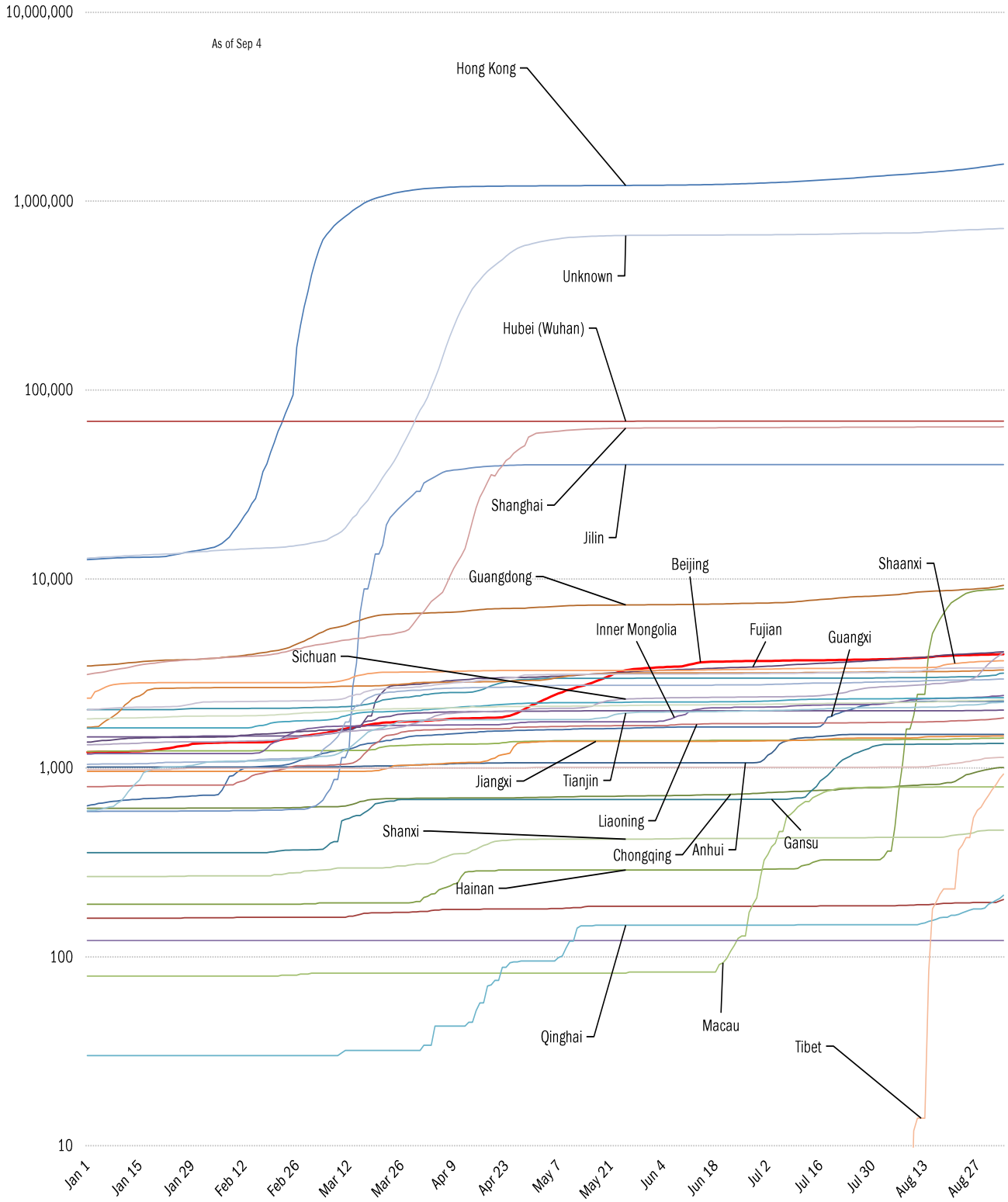
The course of case growth versus COVID



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"

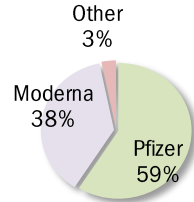


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	625,409,086		+0.159 million	US	67.5%	79.2%
of which boosters	110,937,746		+0.040 million	UK	75.3%	79.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	271,085,285	81%	230,645,139	69%	+0.030 million	France 78.7% 80.9%
Age 12 to 17	18,147,800	72%	15,502,666	61%	+0.003 million	Spain 85.6% 87.0%
Age 18 to 64	180,917,757	89%	153,679,296	76%	+0.013 million	Germany 76.1% 77.7%
Age 65 and over	59,725,410	100%	52,247,392	95%	+0.003 million	Italy 81.0% 85.8%
						Australia 84.0% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 86.7%
						Japan 82.4% 83.6%
						Africa 22.0% 28.0%
						India 67.0% 72.8%
						Brazil 80.1% 87.0%
						China 89.0% 91.3%



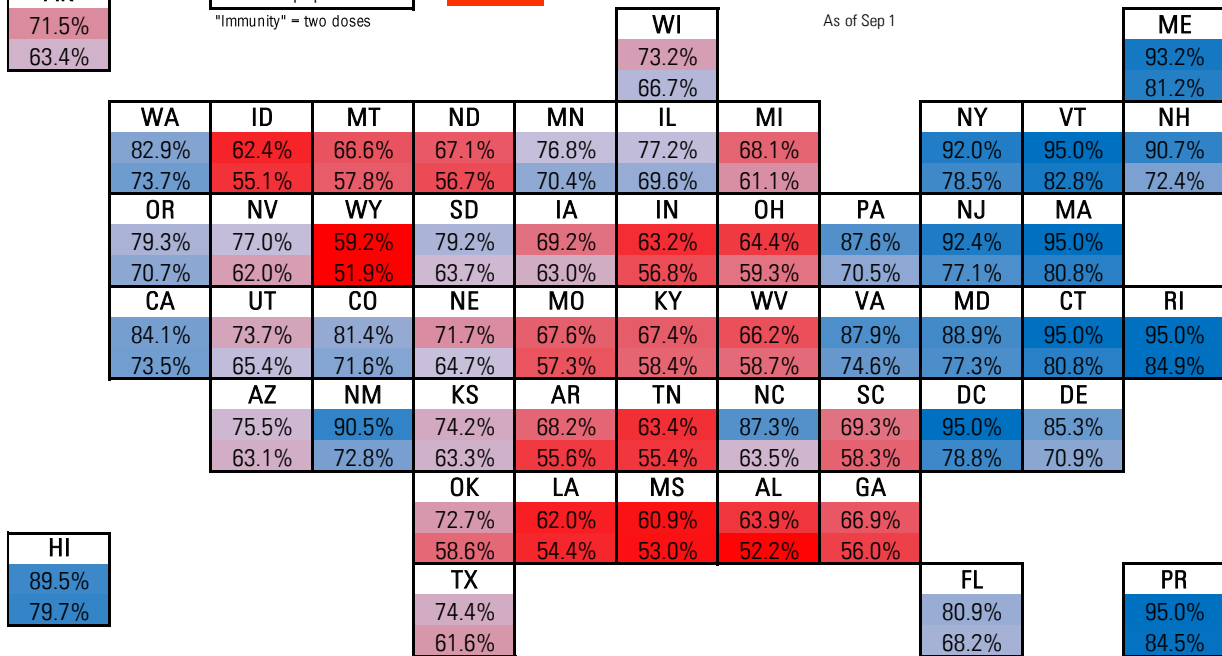
AK	71.5%
	63.4%

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

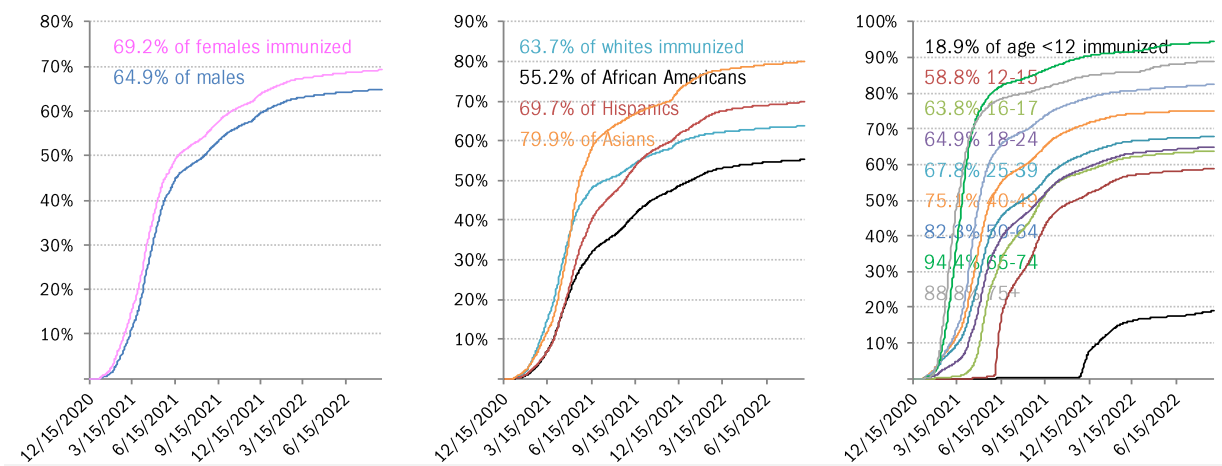
Best
Middle
Worst

"Immunity" = two doses

Global data differs due to sources, timing



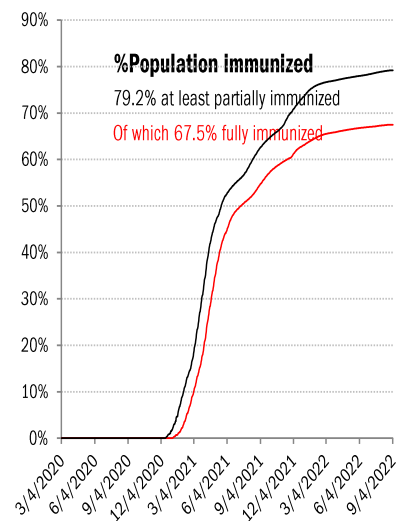
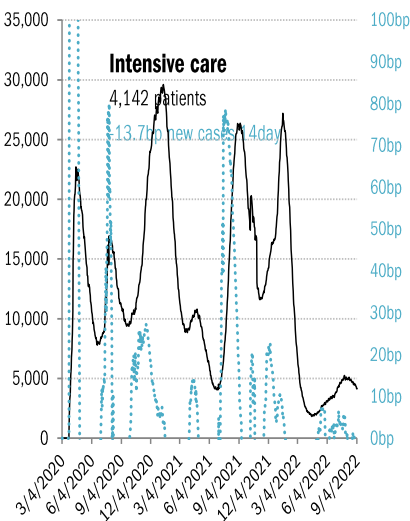
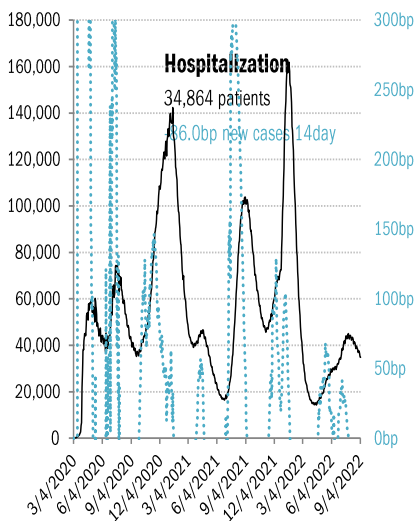
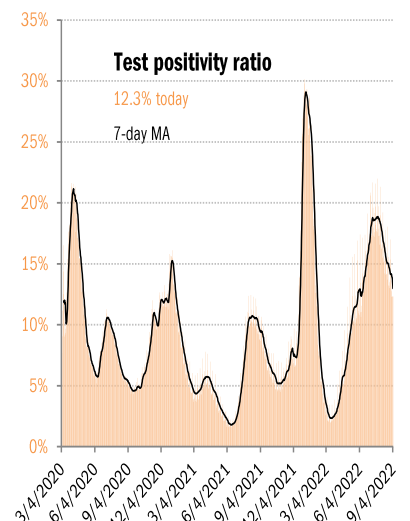
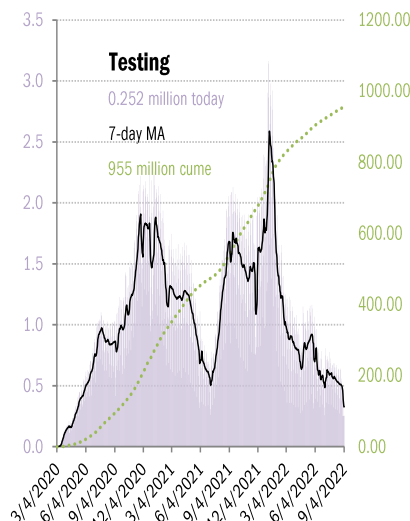
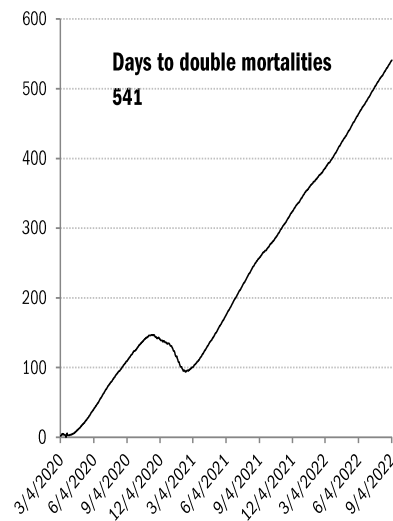
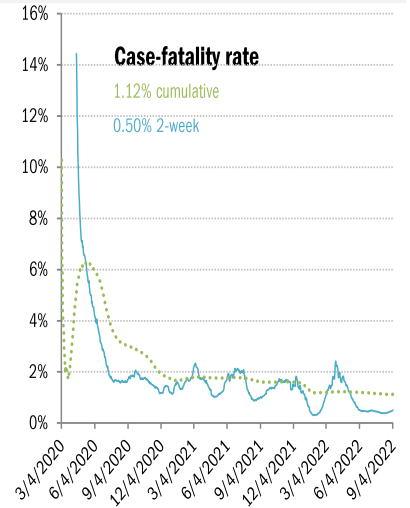
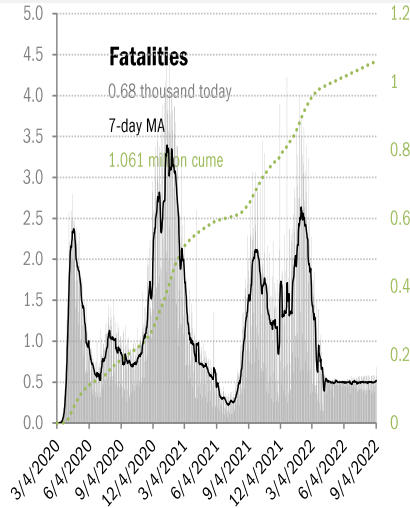
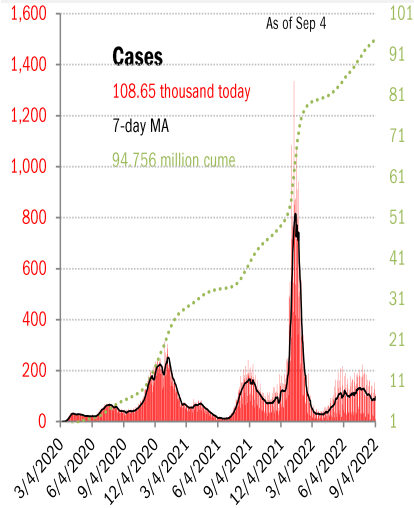
The demographics of US vaccination



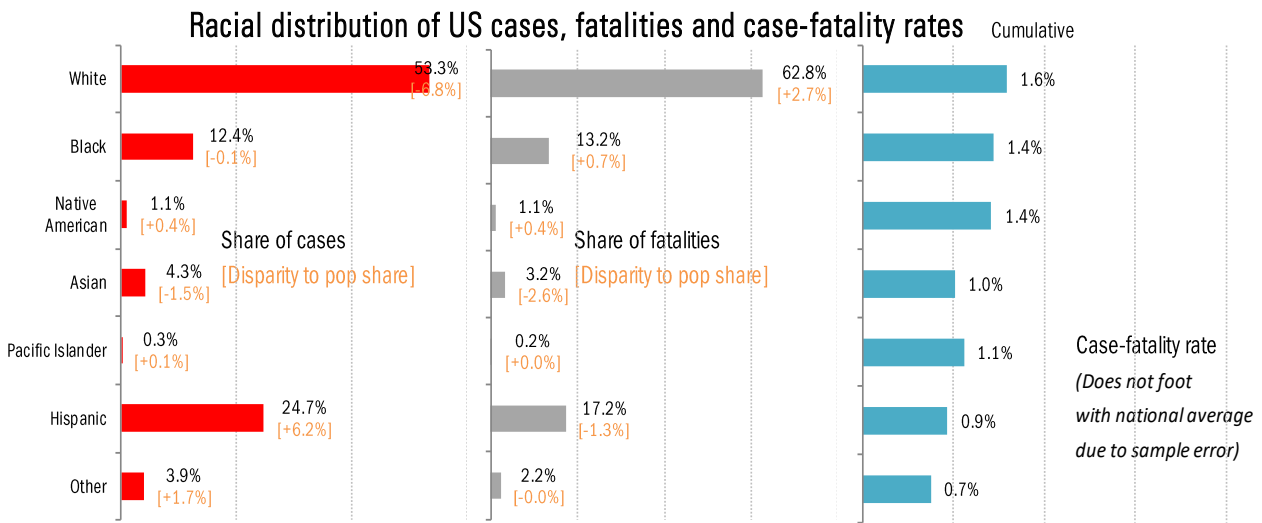
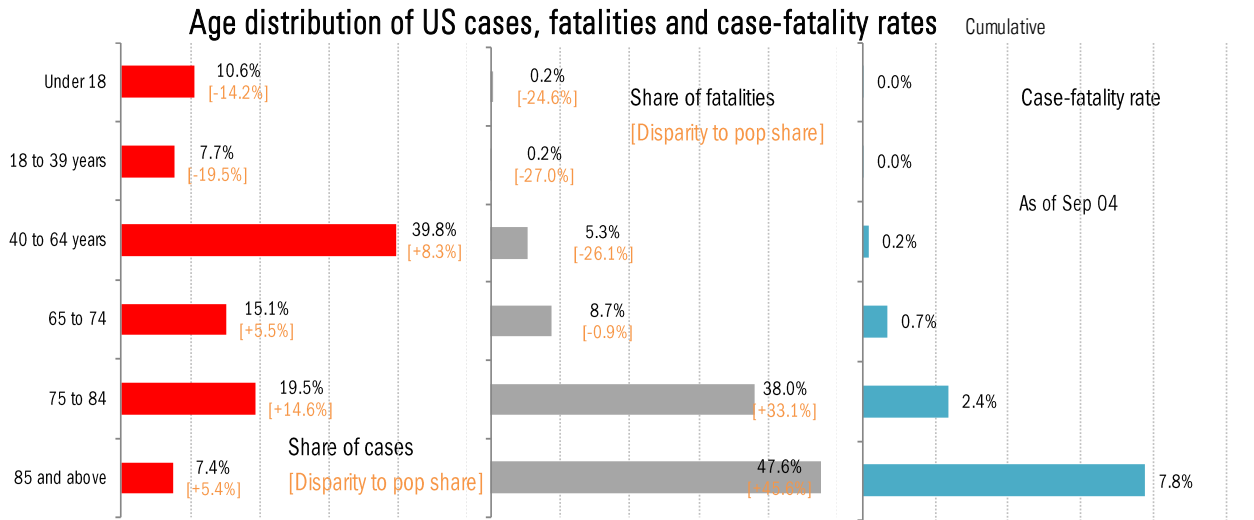
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

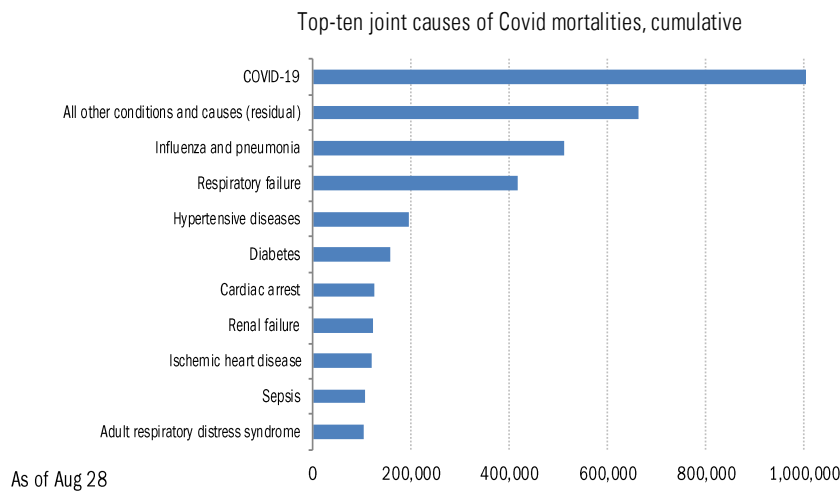
National and state-by-state data do not line up because of different sources



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



Comorbidities



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

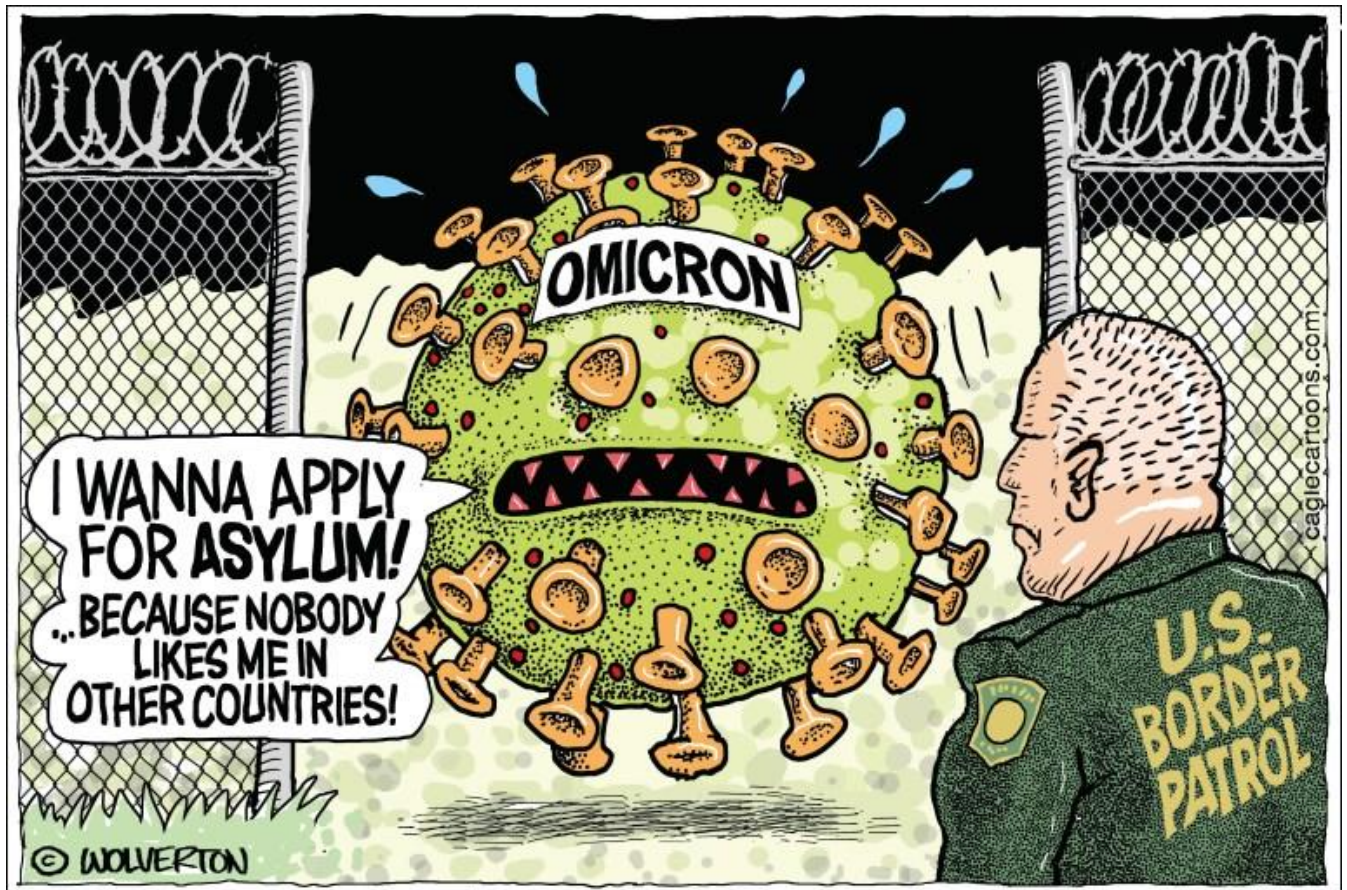
[China policymakers see renewed urgency for economic support](#)

Kevin Yao and Ellen Zhang
Reuters
September 5, 2022

[As China Imposes More Covid Lockdowns, 'Everyone Is Scared'](#)

Vivian Wang
New York Times
September 5, 2022

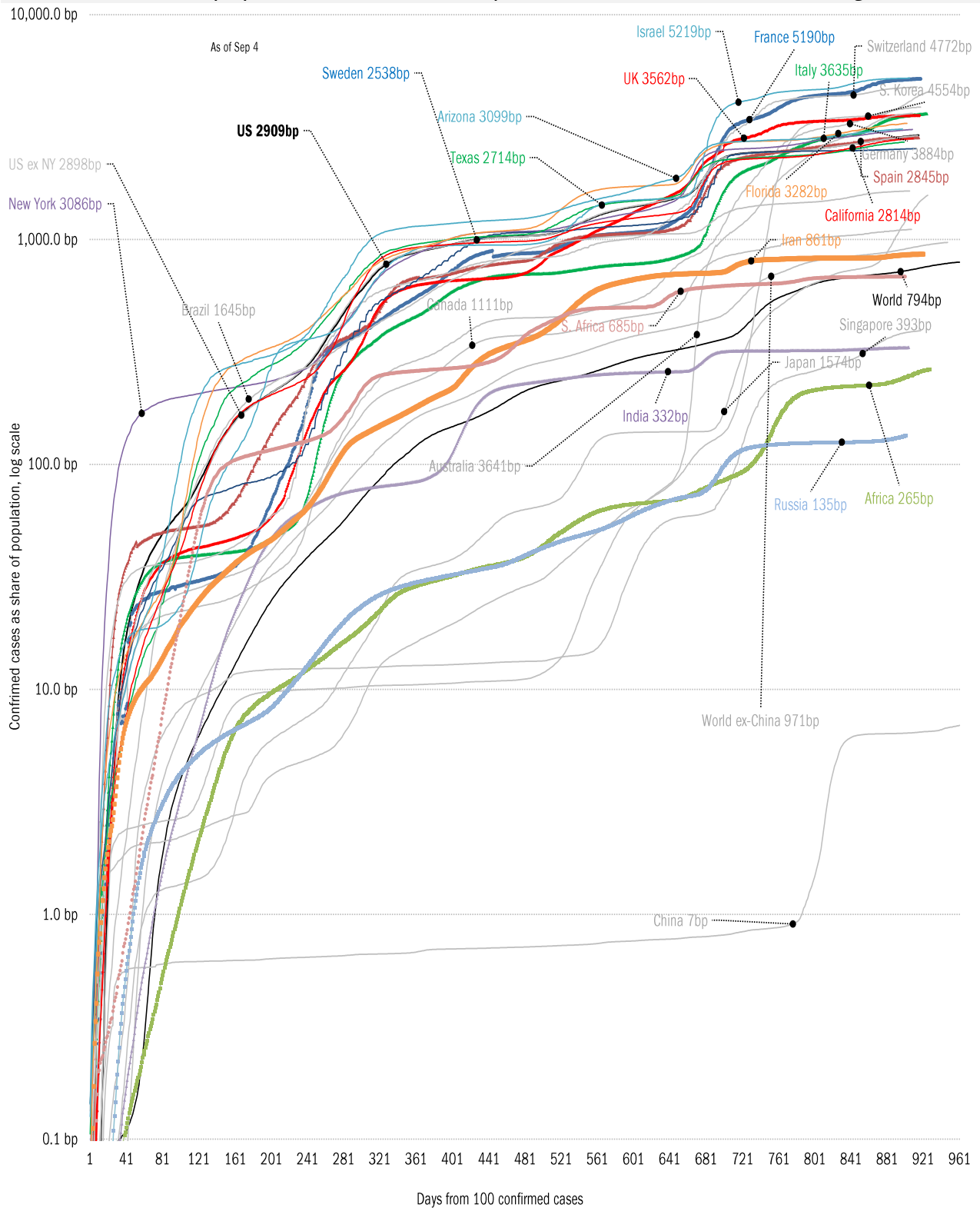
Meme of the day



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

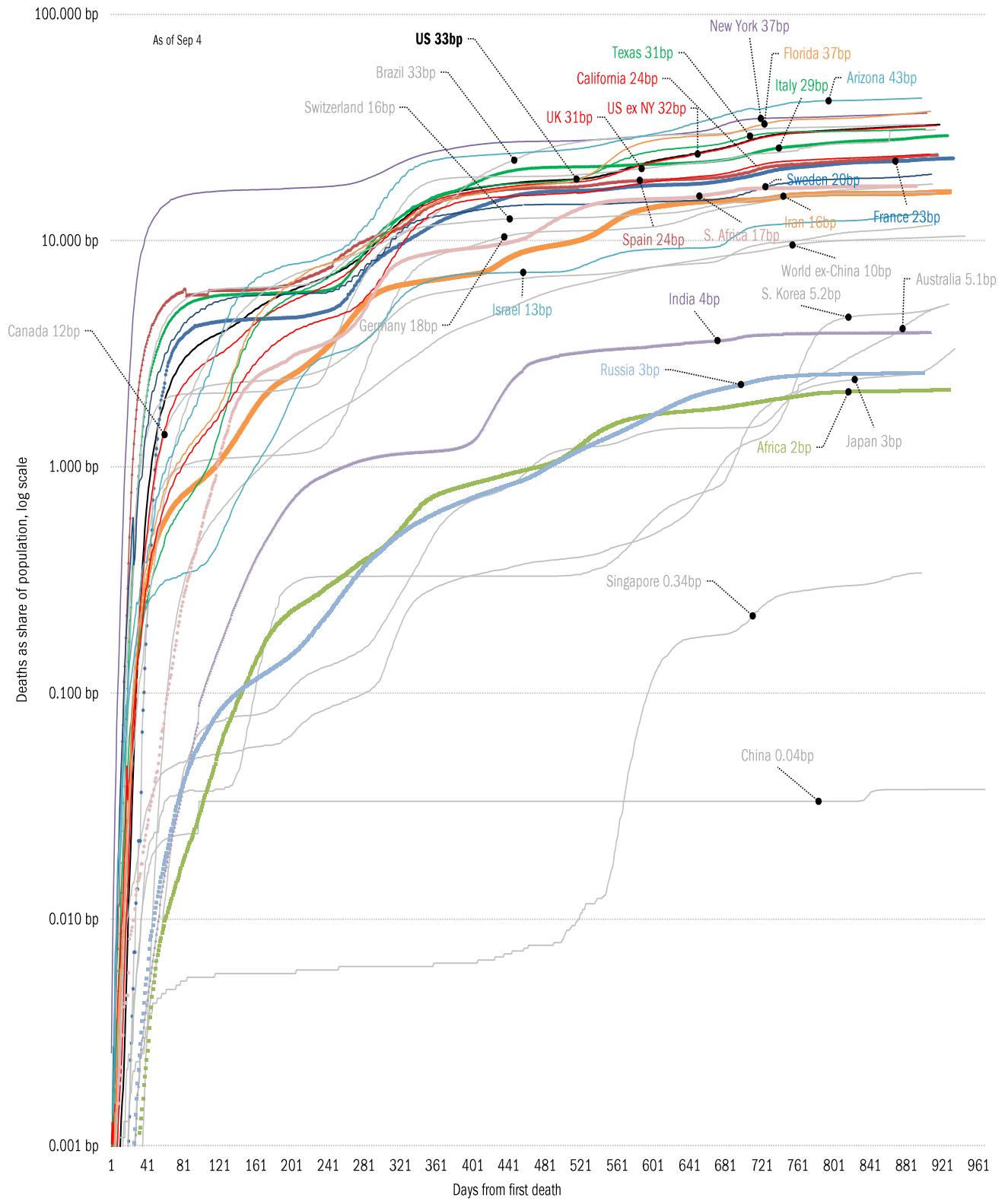
The global coronavirus case accelerometer... tracking the world's infection curves

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

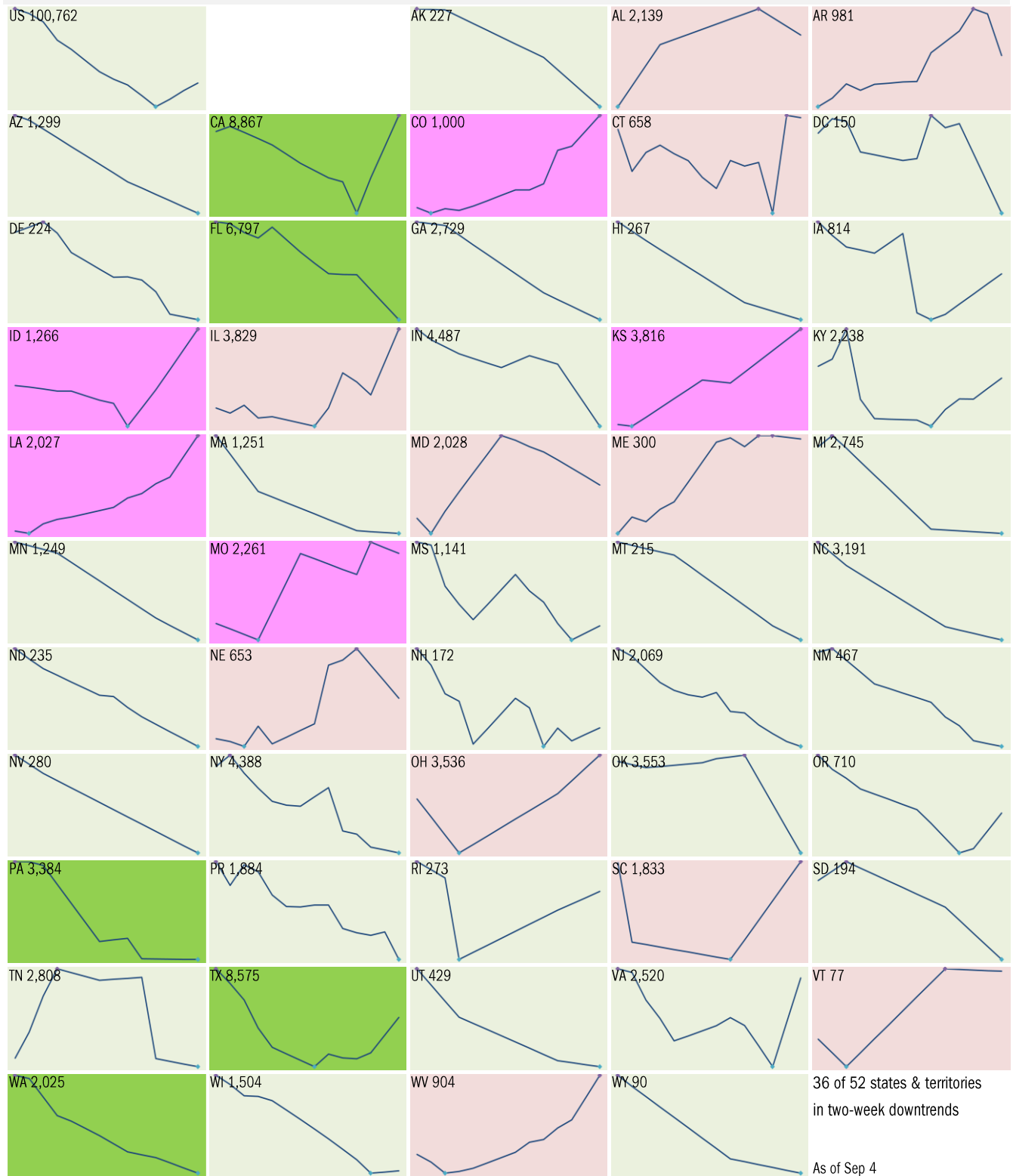


Source: [Johns Hopkins](#), TrendMacro calculations

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

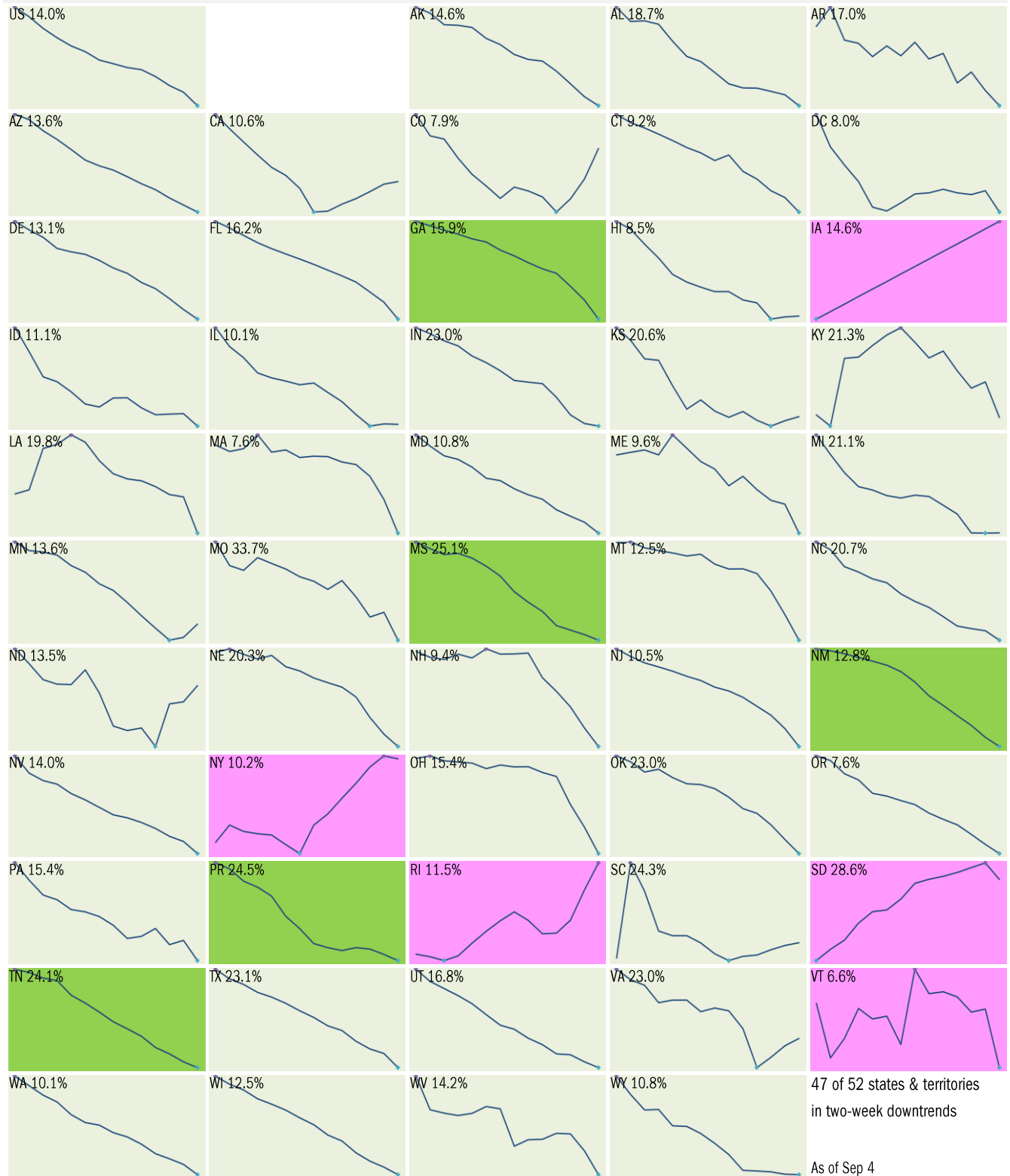


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

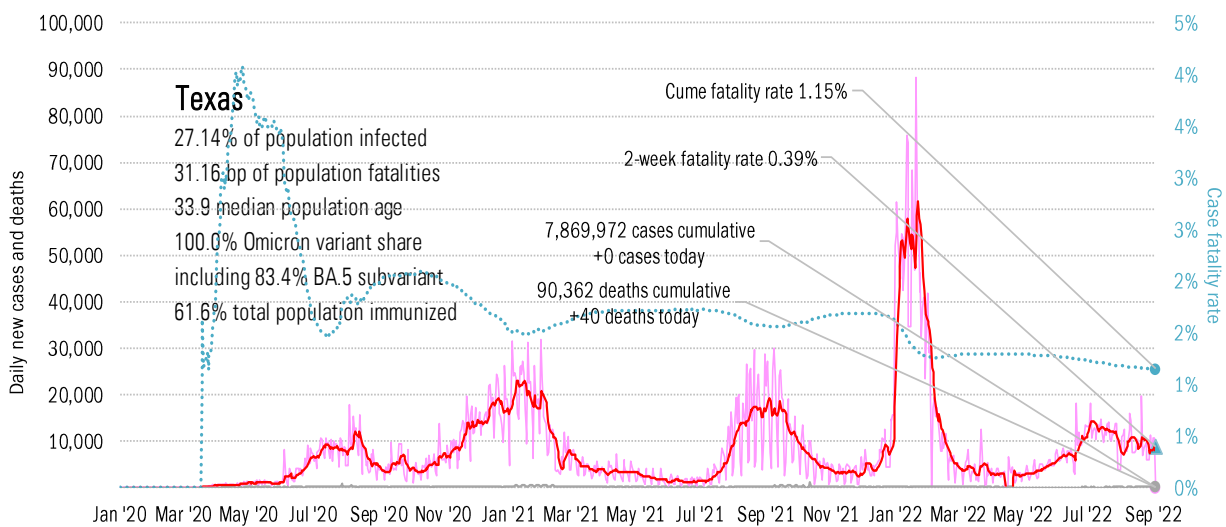
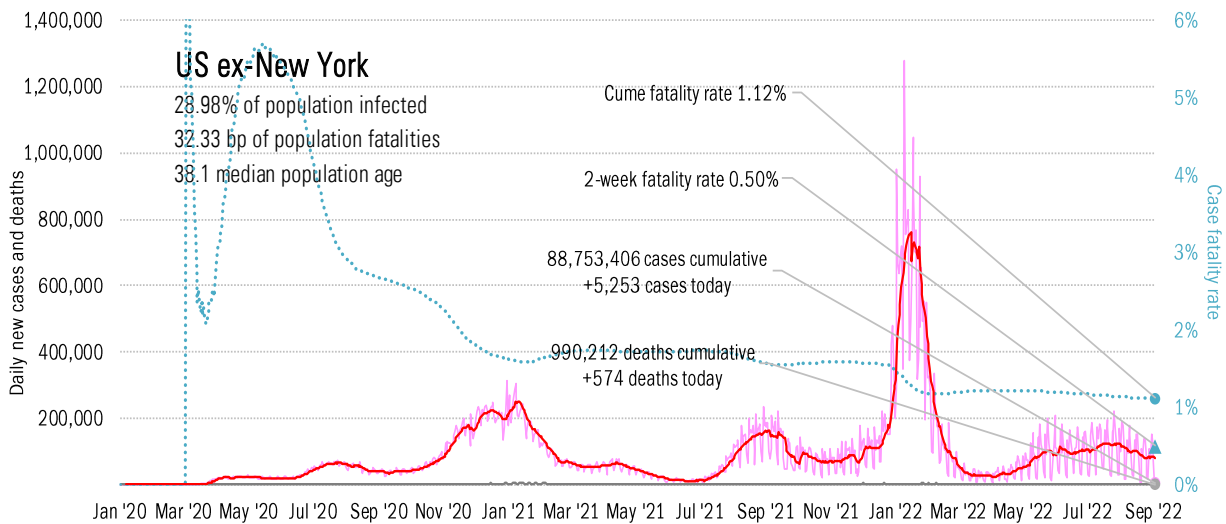
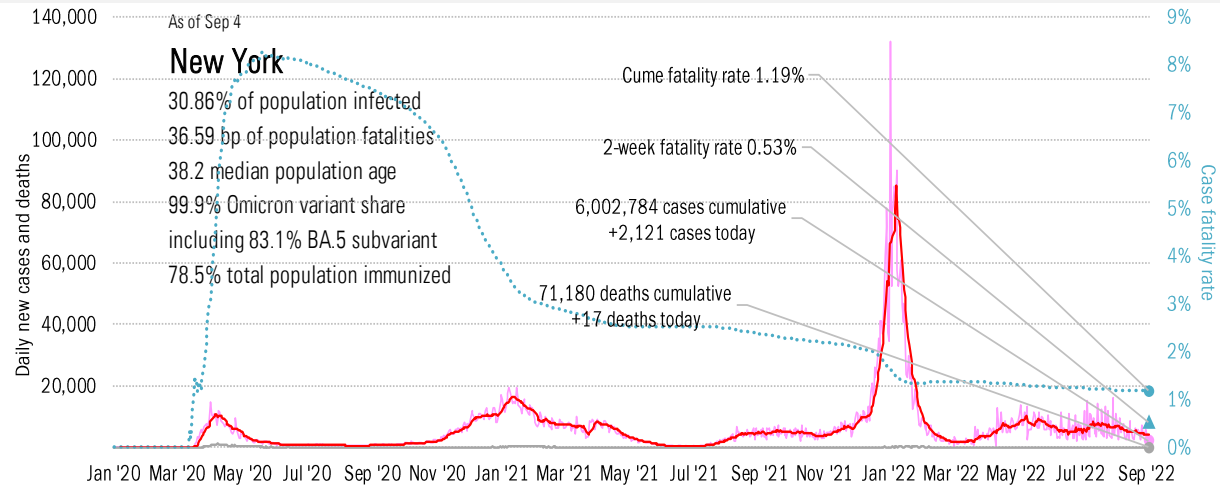
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

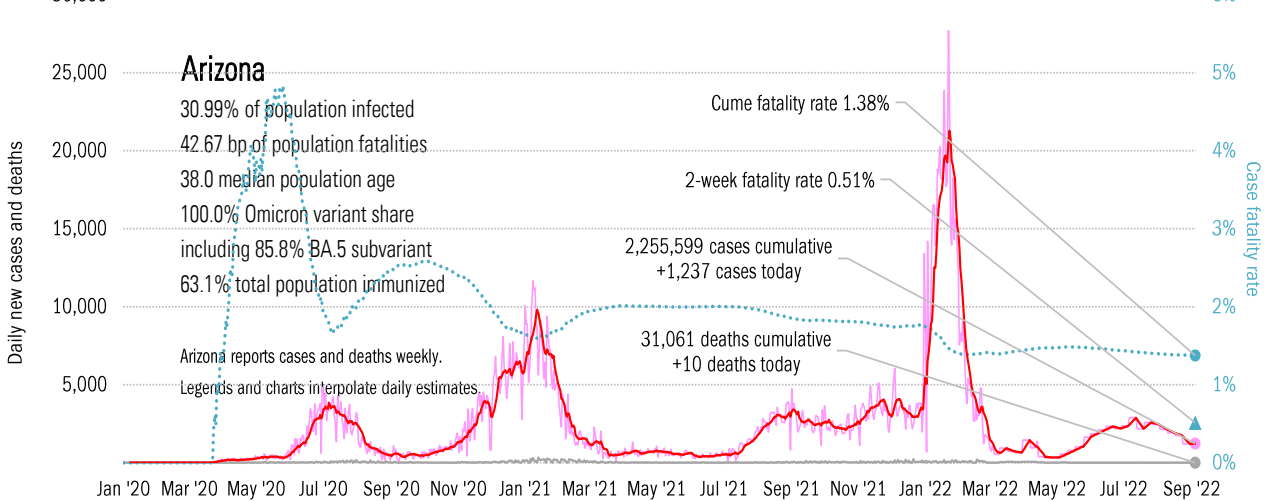
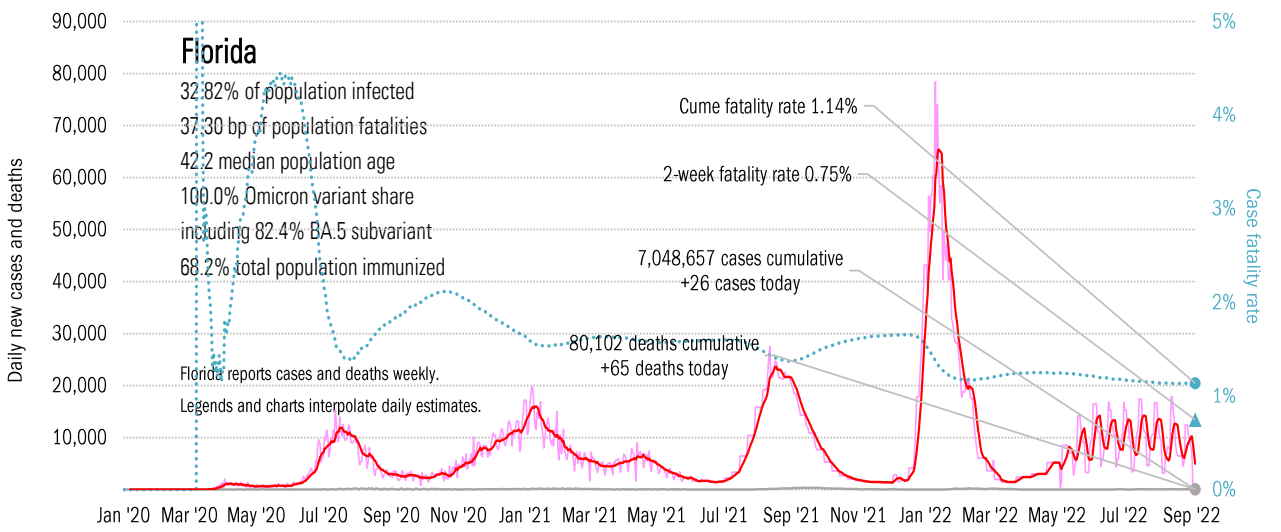
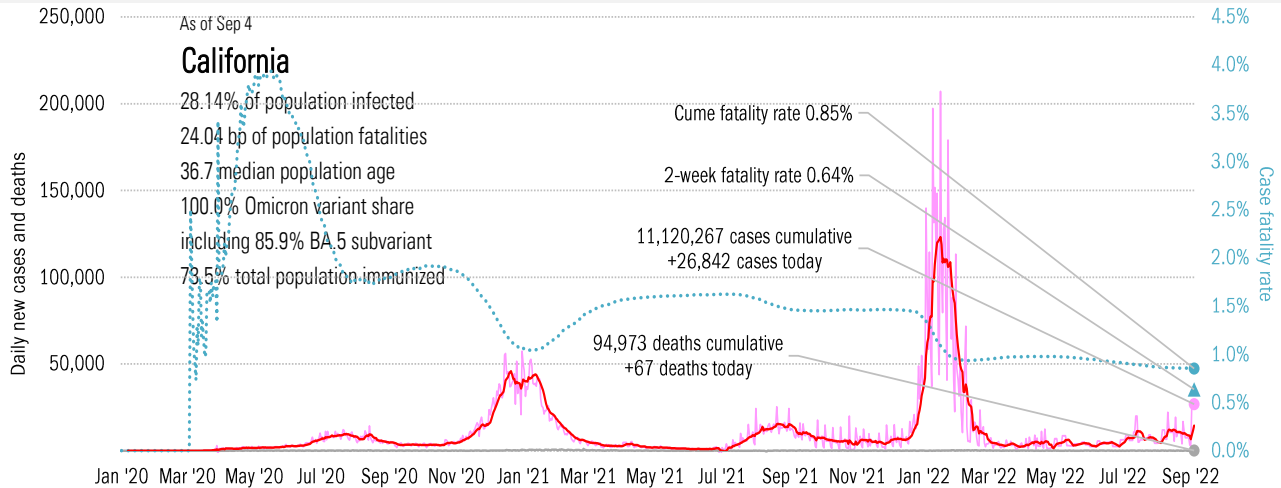
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

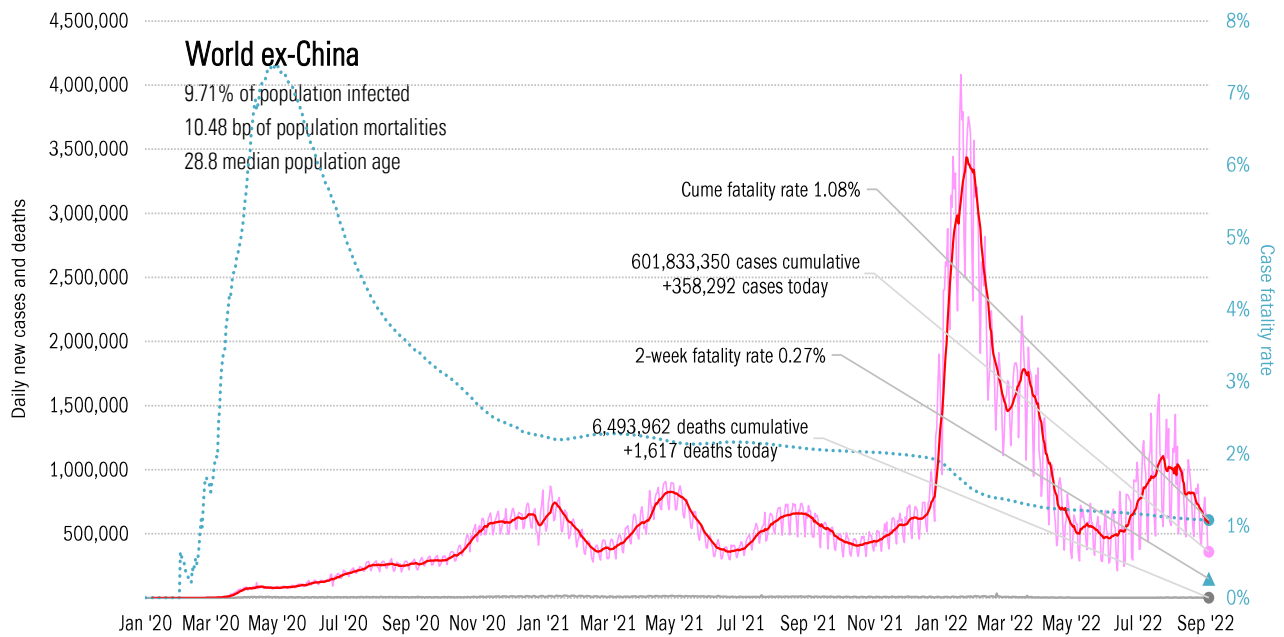
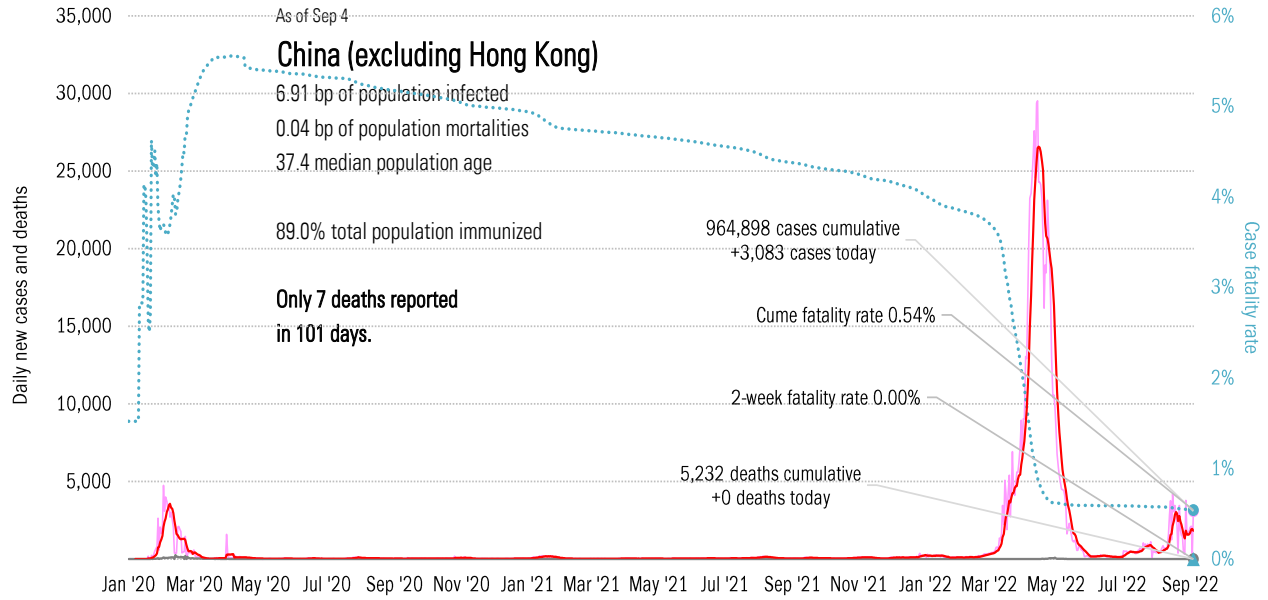
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

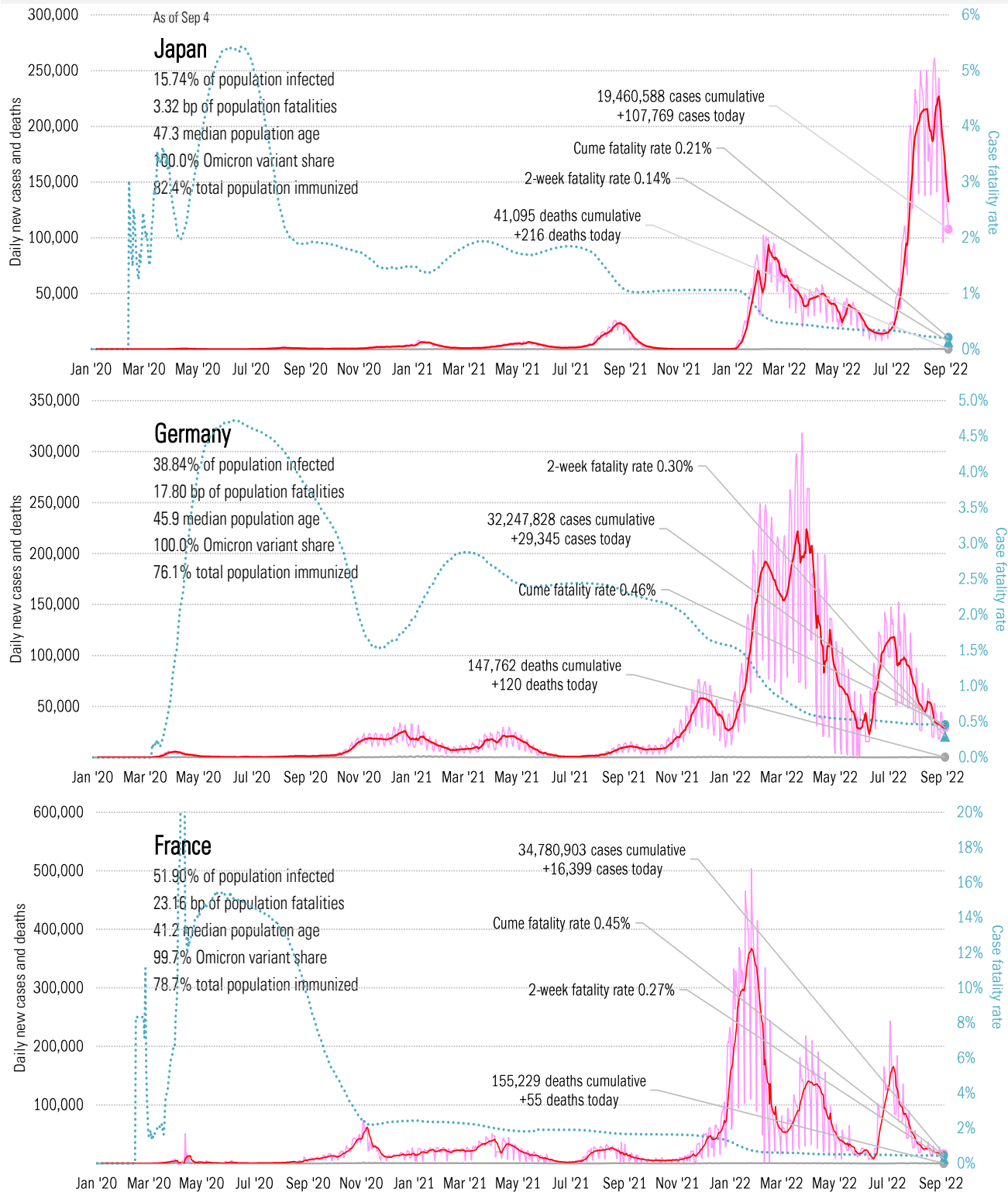
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

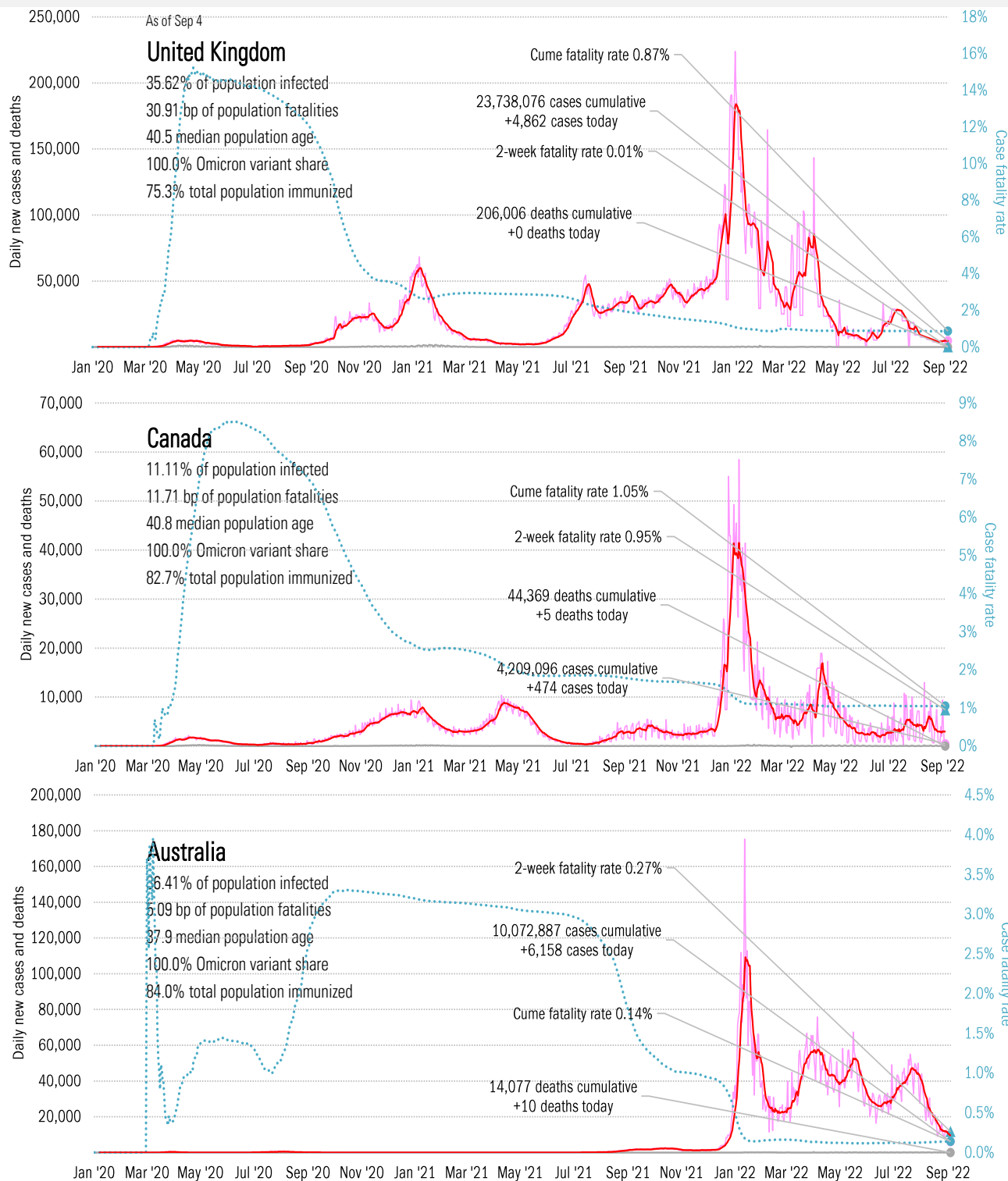
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

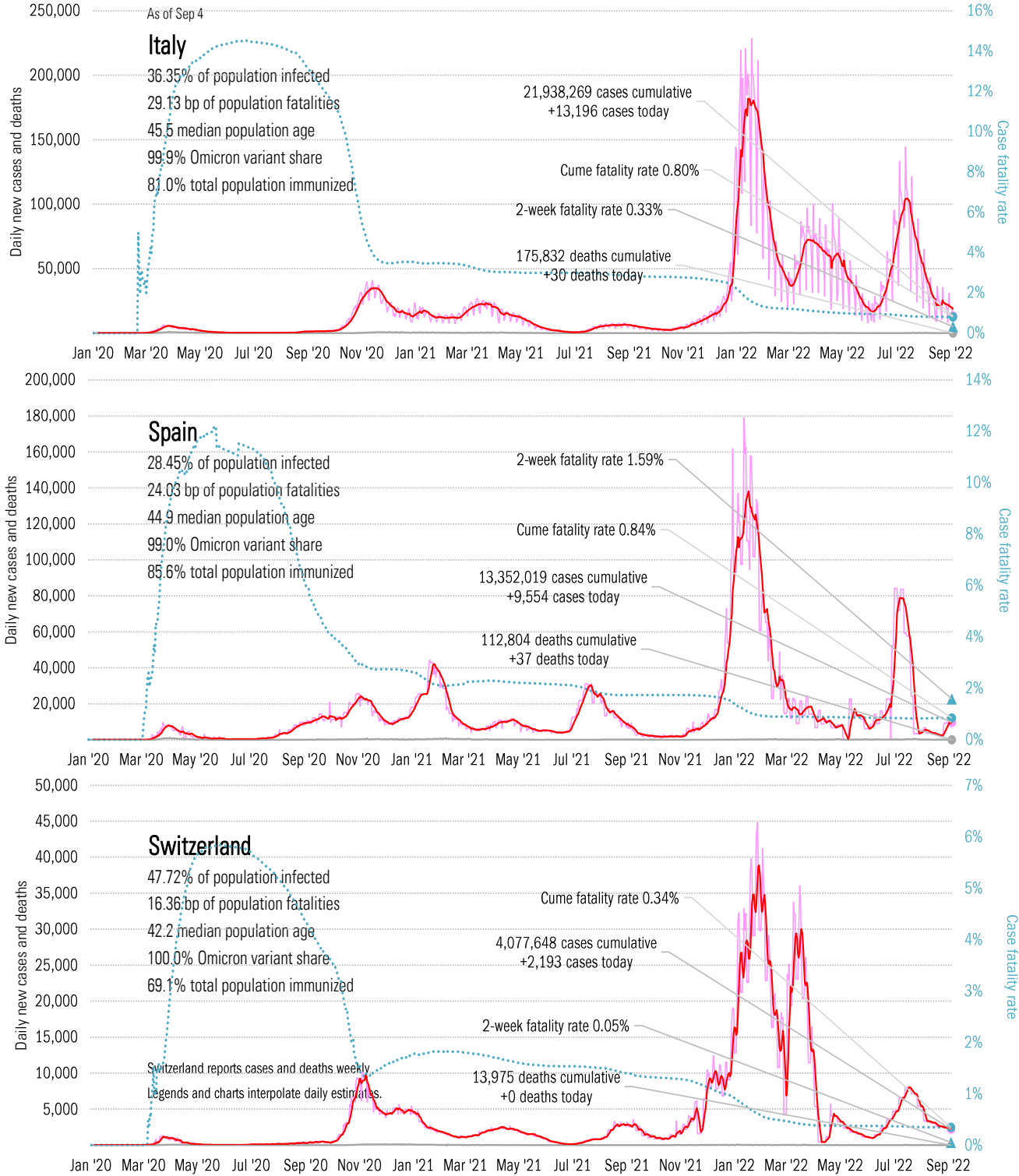
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

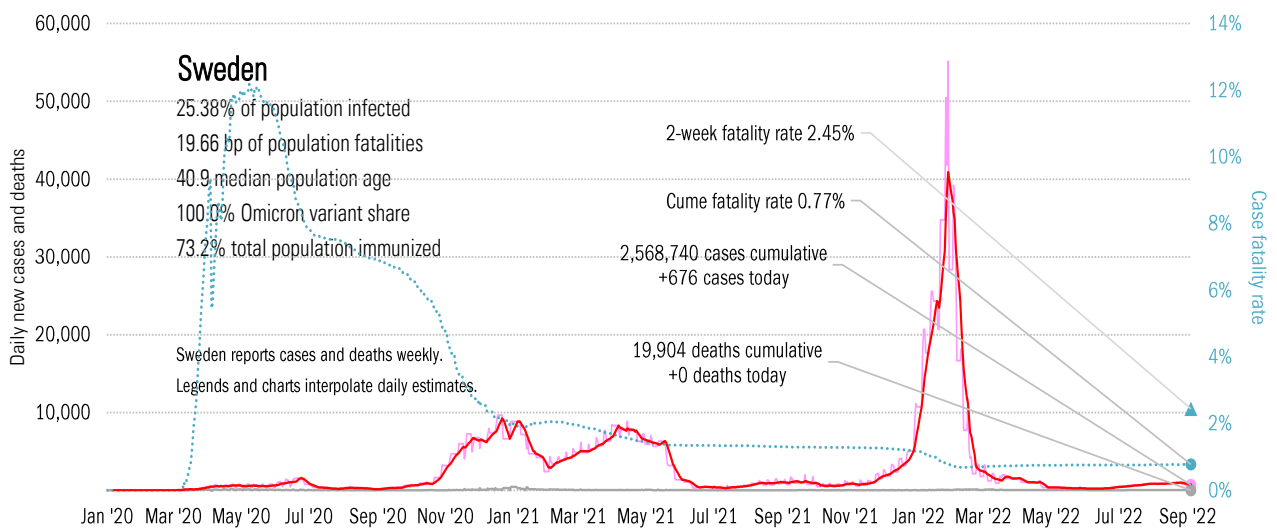
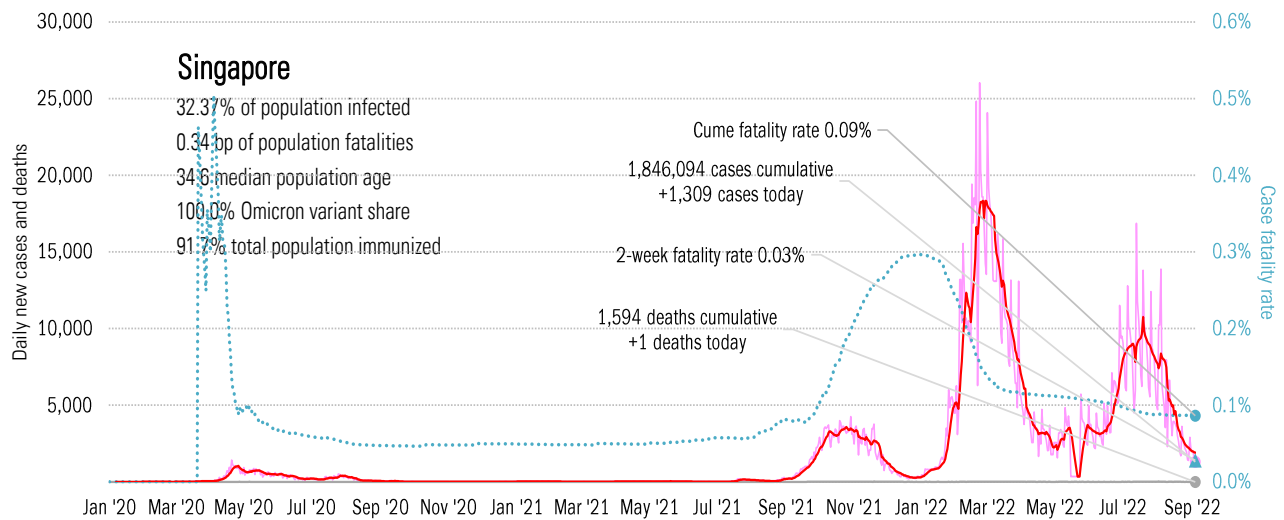
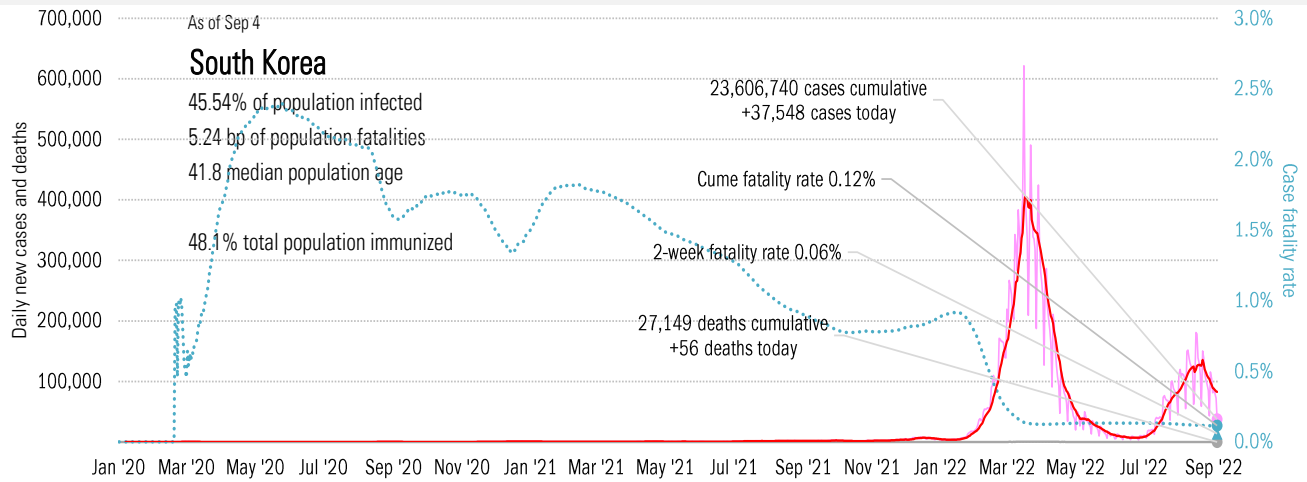
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

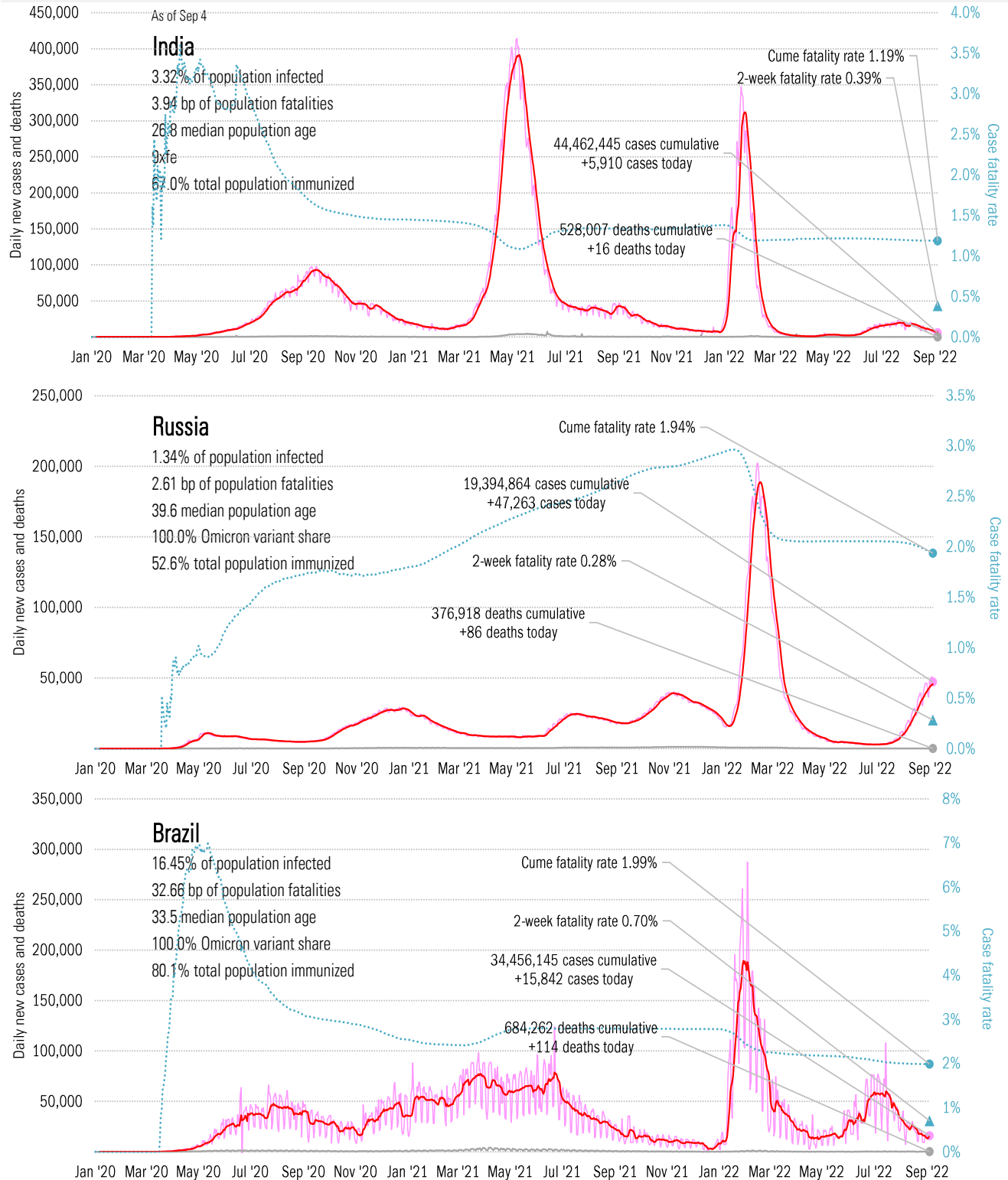
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

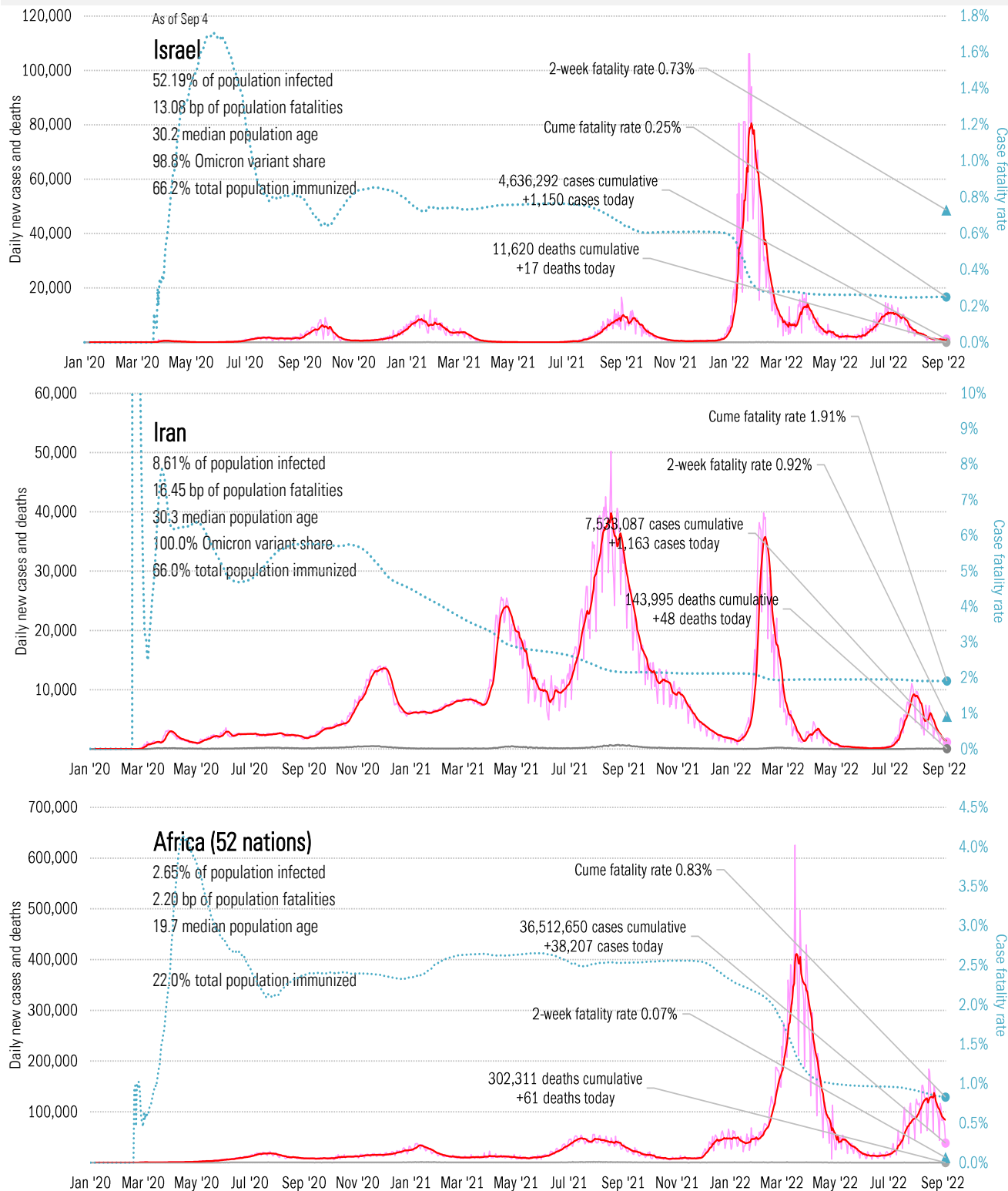
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

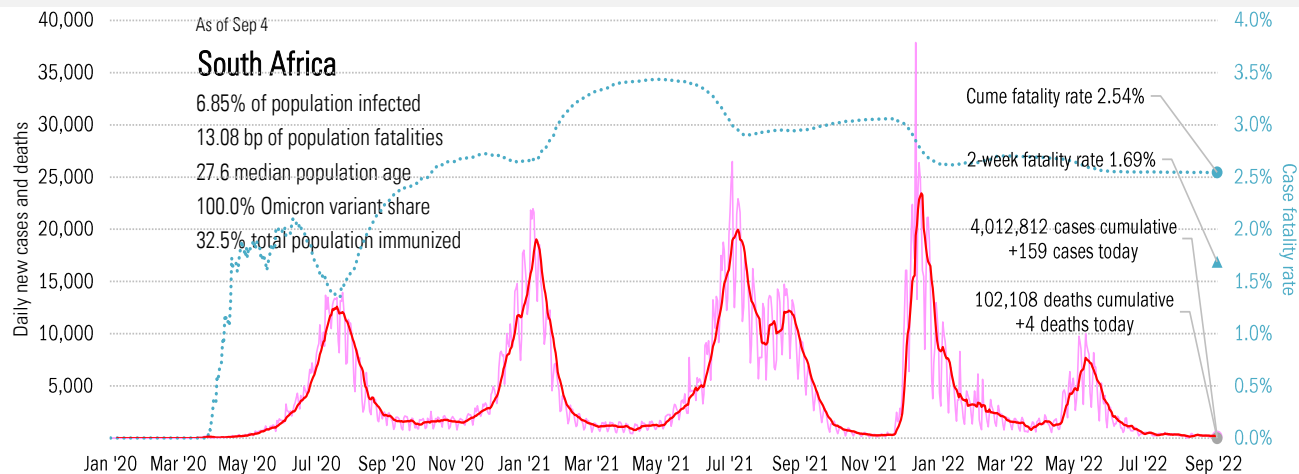
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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