

Data Insights: Covid-2019 Monitor

Tuesday, September 27, 2022

The global scorecard

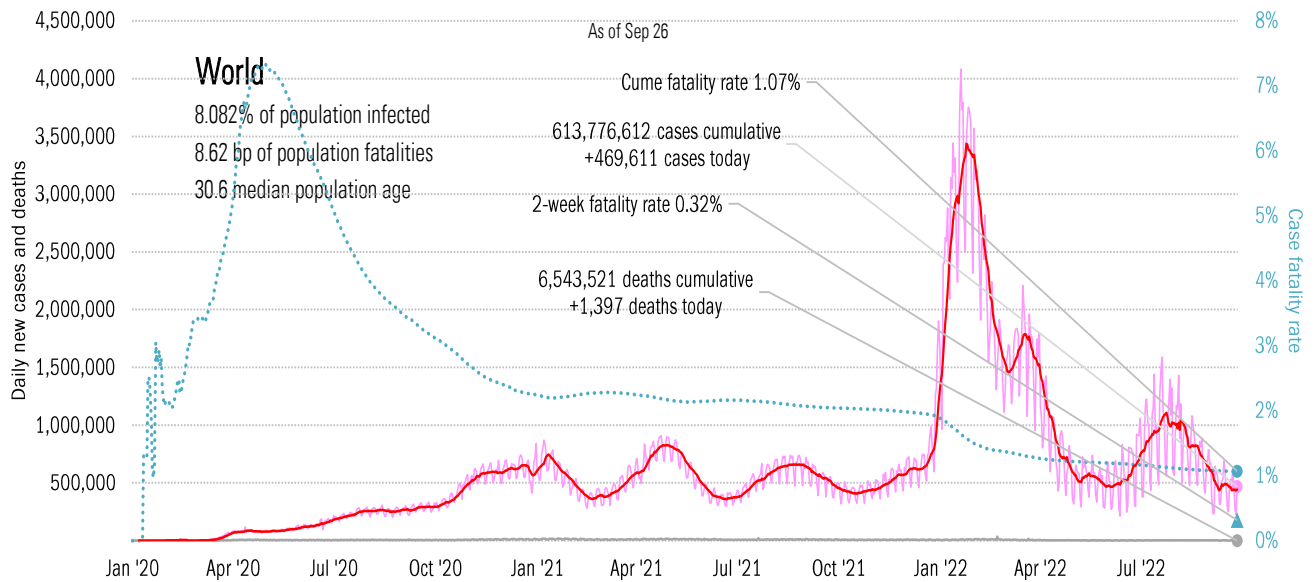
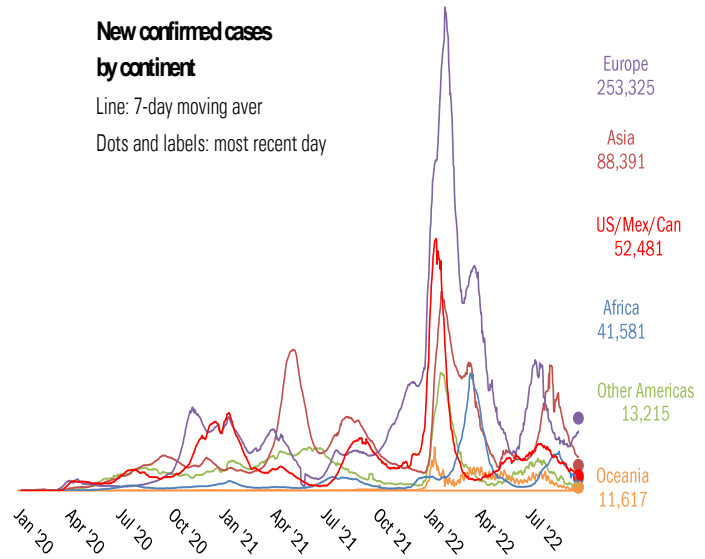
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	89,282	United States	446
France	76,878	Germany	118
United States	54,261	Brazil	85
Japan	43,531	Russia	84
Russia	39,868	Japan	74
Korea, South	39,367	France	73
Taiwan*	28,743	New Zealand	58
Brazil	13,861	Taiwan*	56
Italy	10,006	India	32
New Zealand	9,782	Italy	32
405,579		1,058	
World	469,611	World	1,397
Top ten	86%	Top ten	76%

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

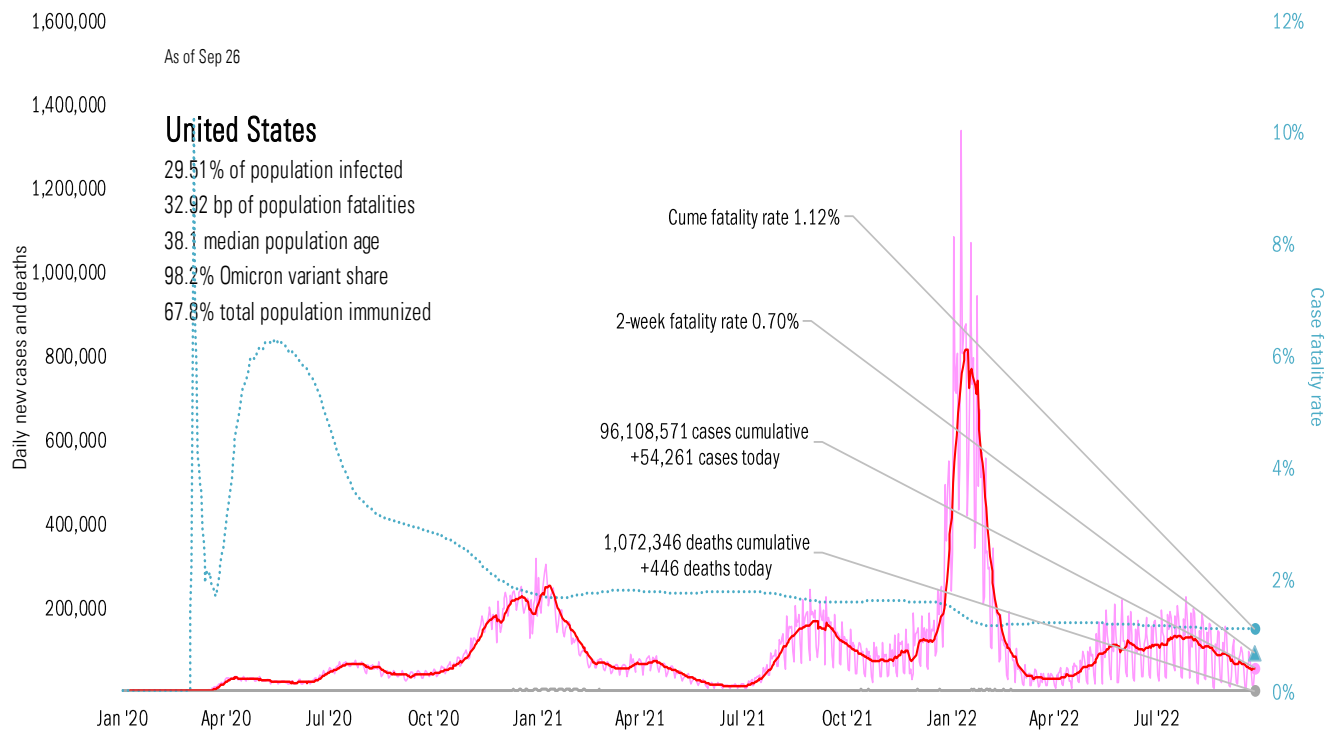
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	6,521		FL	44		MA	107		CA	11,236,439		CA	95,829		TX	544,739		RI	92%	RI	87%
FL	5,774		CA	33		NC	138		TX	7,980,756		TX	90,822		CA	498,469		MA	88%	TX	86%
NY	5,246		TX	32		MN	67		FL	7,139,427		FL	81,280		FL	492,458		MN	86%	MA	85%
CA	3,163		MI	21		AL	55		NY	6,100,245		NY	71,667		NY	298,246		MO	83%	AL	83%
NC	2,898		NY	21		CA	318		IL	3,754,941		PA	47,098		GA	225,554		DC	82%	AK	83%
WA	2,869		GA	21		CT	74		PA	3,240,293		GA	40,171		CH	217,730		GA	82%	NC	82%
MI	2,414		PA	18		OR	38		NC	3,182,775		CH	39,767		PA	202,943		WA	82%	WA	81%
CH	2,077		VA	18		OH	192		CH	3,131,645		IL	39,636		IL	186,152		DE	81%	MN	80%
MA	1,467		AR	17		FR	22		GA	2,900,354		MI	38,464		MI	161,948		WV	81%	WV	79%
CK	1,368		LA	14		WV	37		MI	2,821,489		NJ	34,719		KY	144,887		MD	81%	GA	78%
33,797			240			1,048			51,488,364			579,453			2,973,126						
All states	54,261		446			3,444			All states	96,108,571		1,072,346			5,393,547			All states	70%	67%	
Top ten	62%		54%			30%			Top ten	54%		55%			55%			Median	75%	71%	

Some states not reporting

Five most improved US states

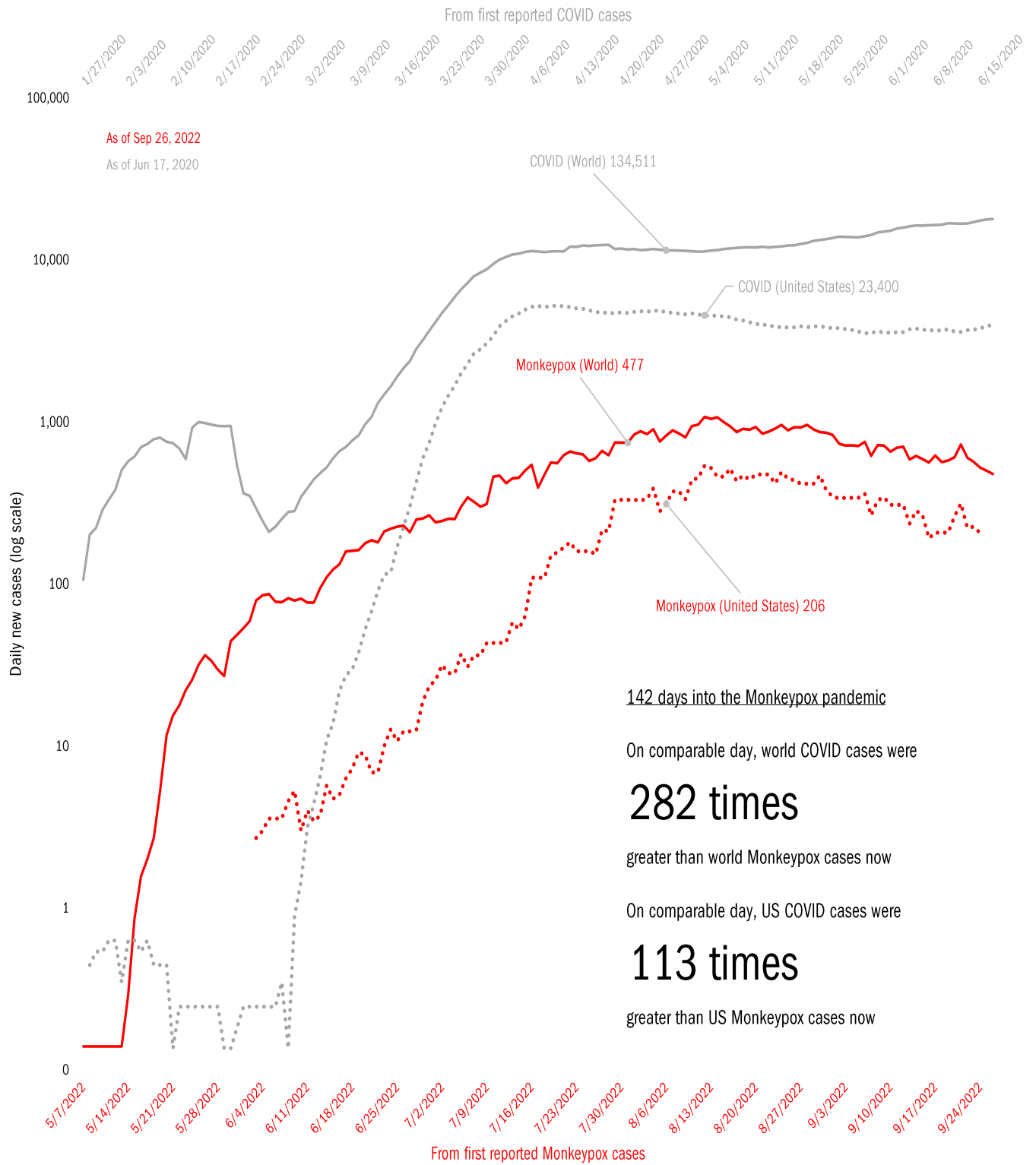
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-15,520	TX	-29	NY	-72
MO	-5,697	IN	-25	GA	-39
CA	-1,477	WA	-19	MI	-29
NJ	-584	FL	-7	AZ	-26
KS	-361	NY	-6	WI	-26



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

The Monkeypox contextualizer

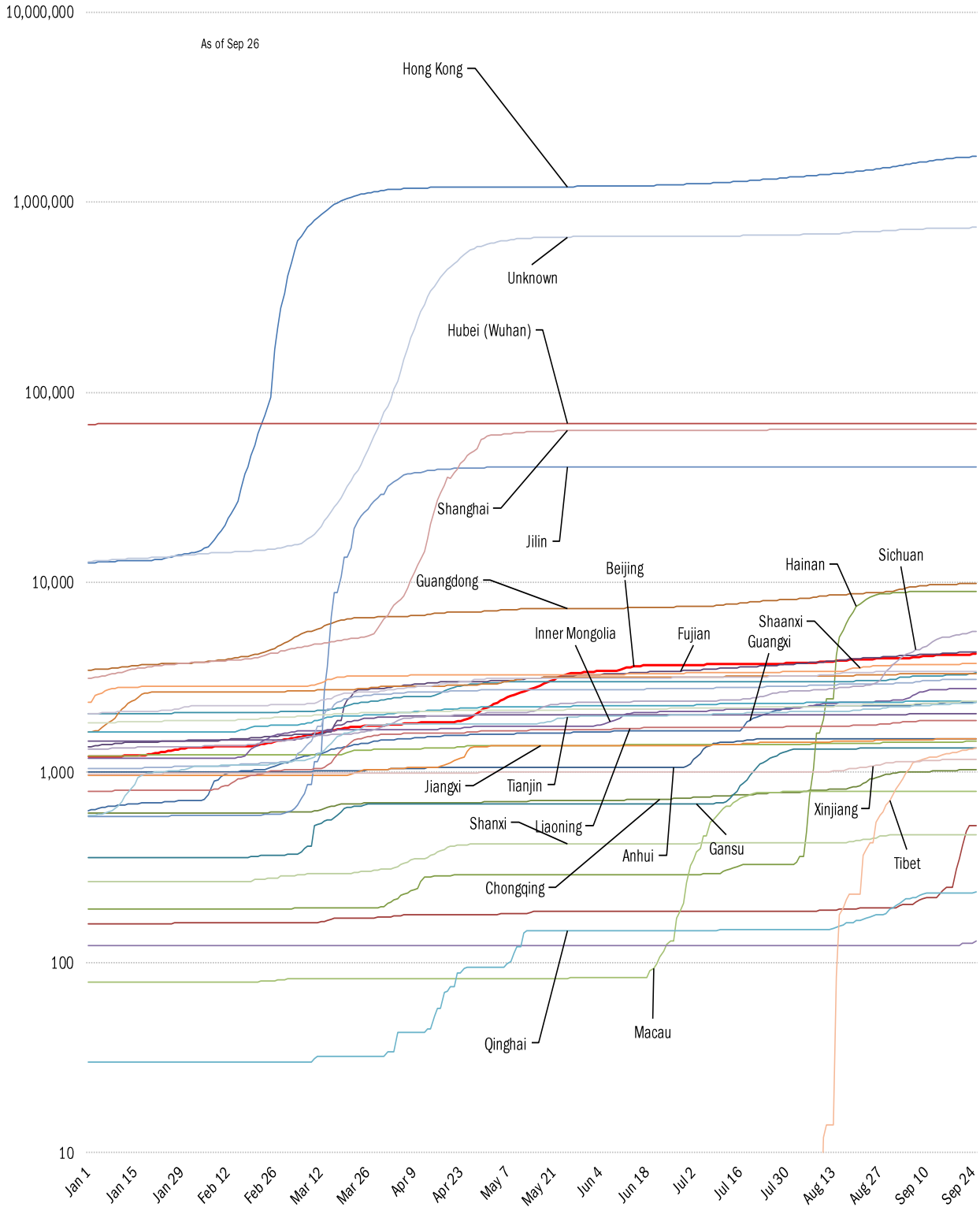
The course of case growth versus COVID



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"

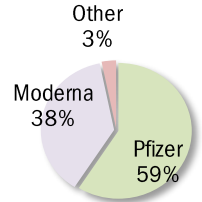


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	631,639,689		+0.490 million	US	67.8%	79.5%
of which boosters	111,721,786		+0.055 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	272,009,452	81%	231,527,726	69%	+0.050 million	France 78.7% 80.9%
Age 12 to 17	18,203,927	72%	15,554,814	61%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	181,388,452	89%	154,049,342	76%	+0.024 million	Germany 76.1% 77.7%
Age 65 and over	59,876,702	100%	52,388,902	96%	+0.011 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.7% 87.2%
						Japan 82.5% 83.6%
						Africa 22.6% 28.5%
						India 67.3% 72.9%
						Brazil 80.3% 87.2%
						China 89.1% 91.4%



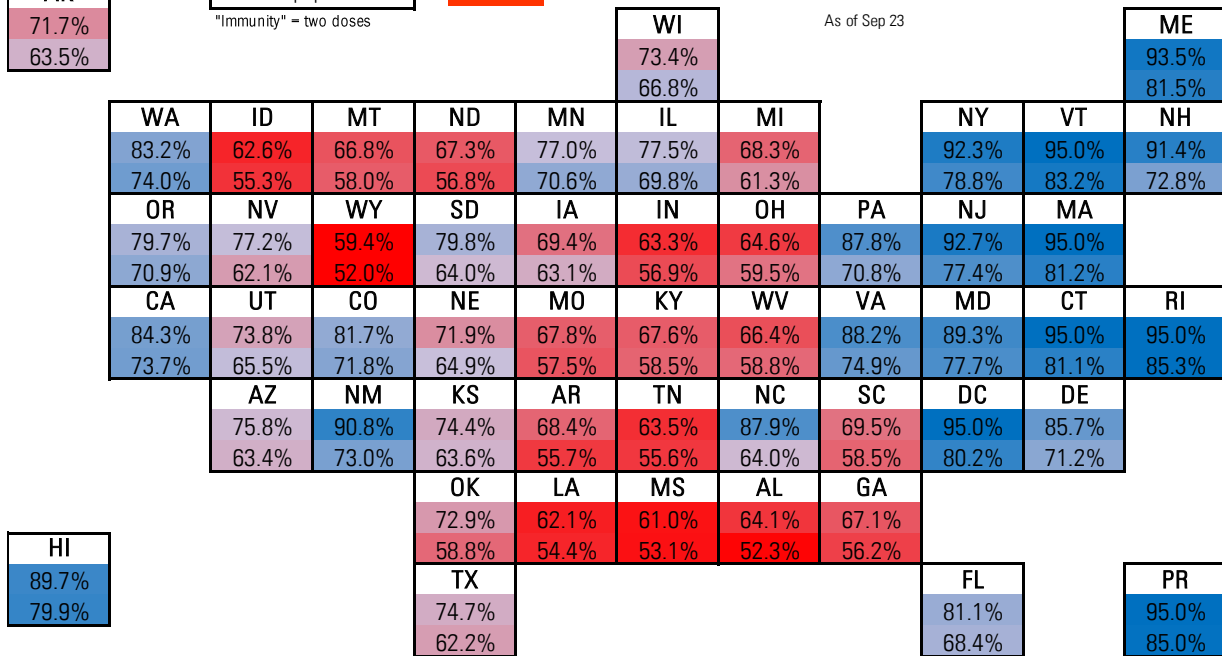
AK	71.7%
	63.5%

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

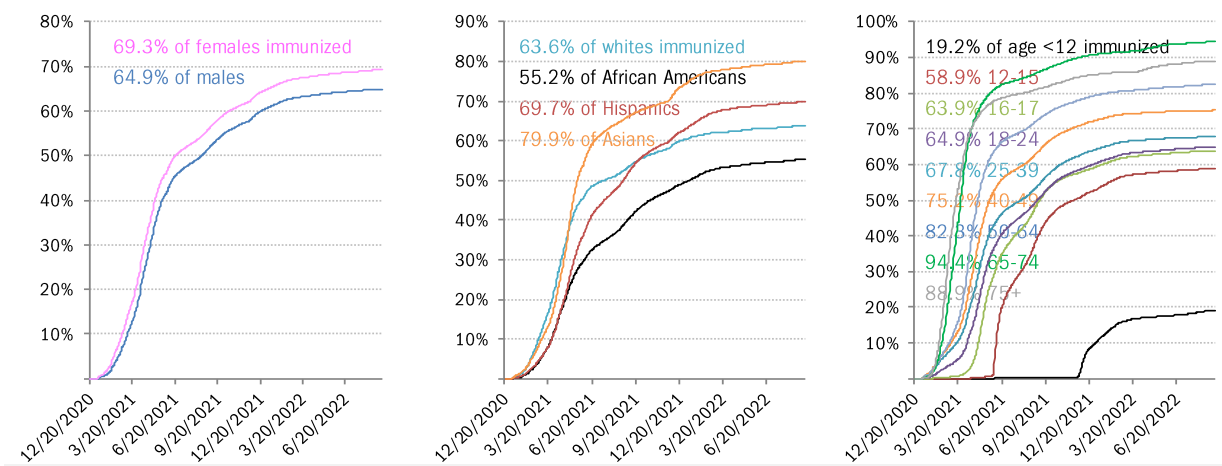
"Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing

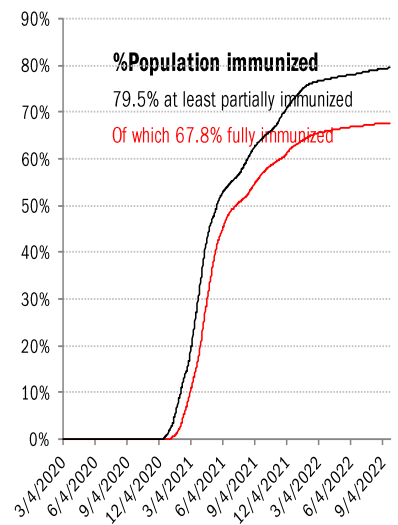
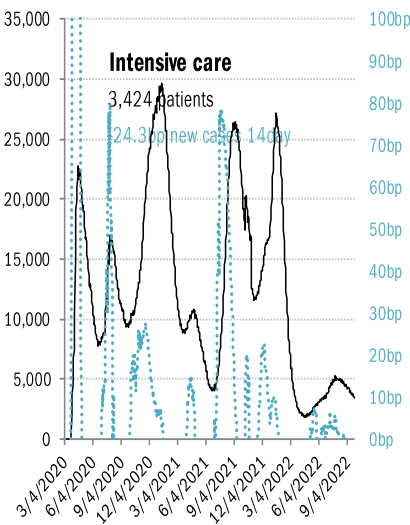
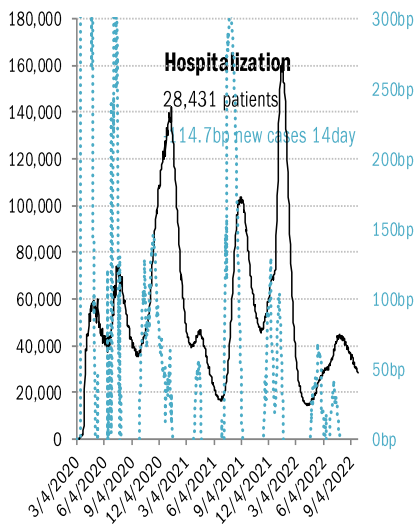
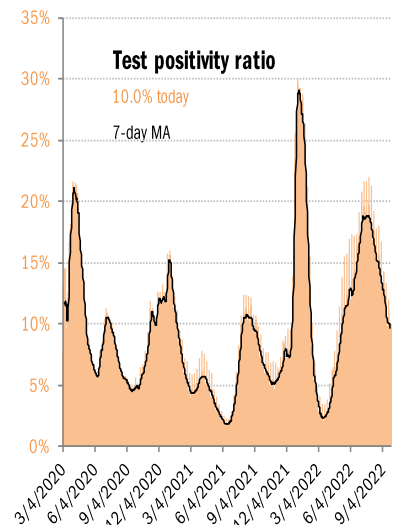
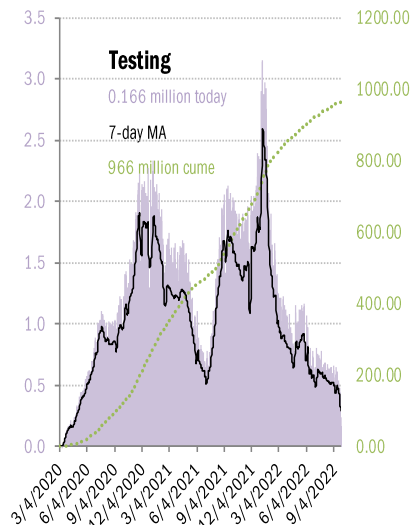
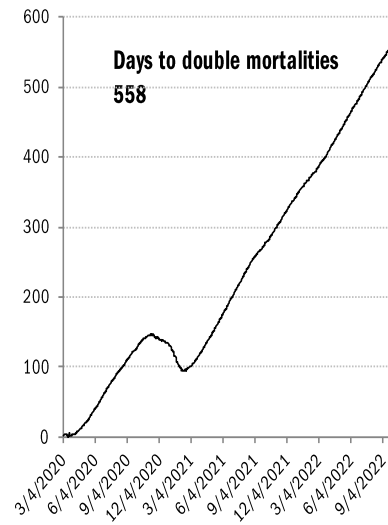
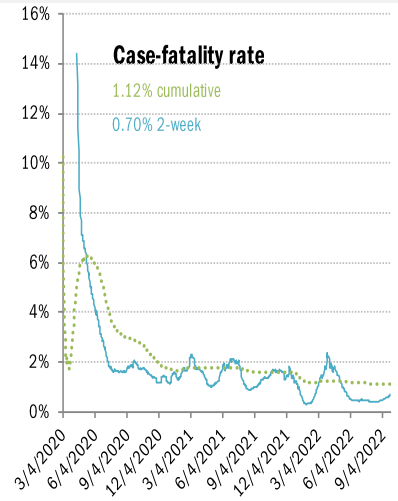
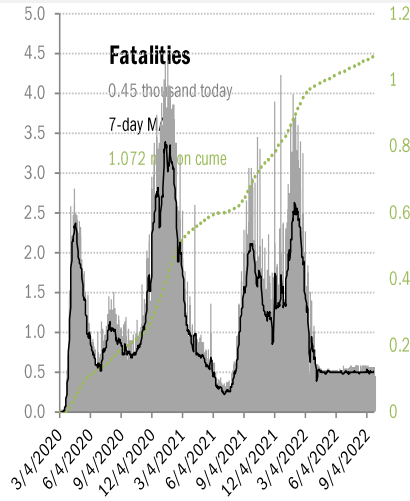
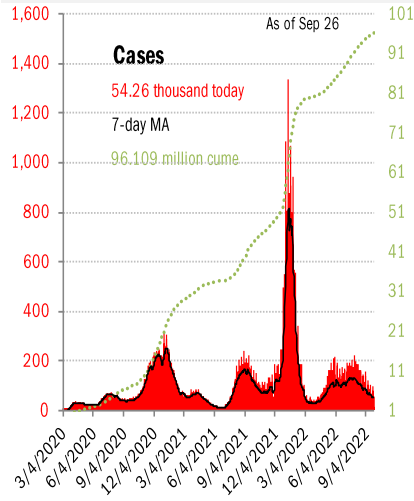


The demographics of US vaccination

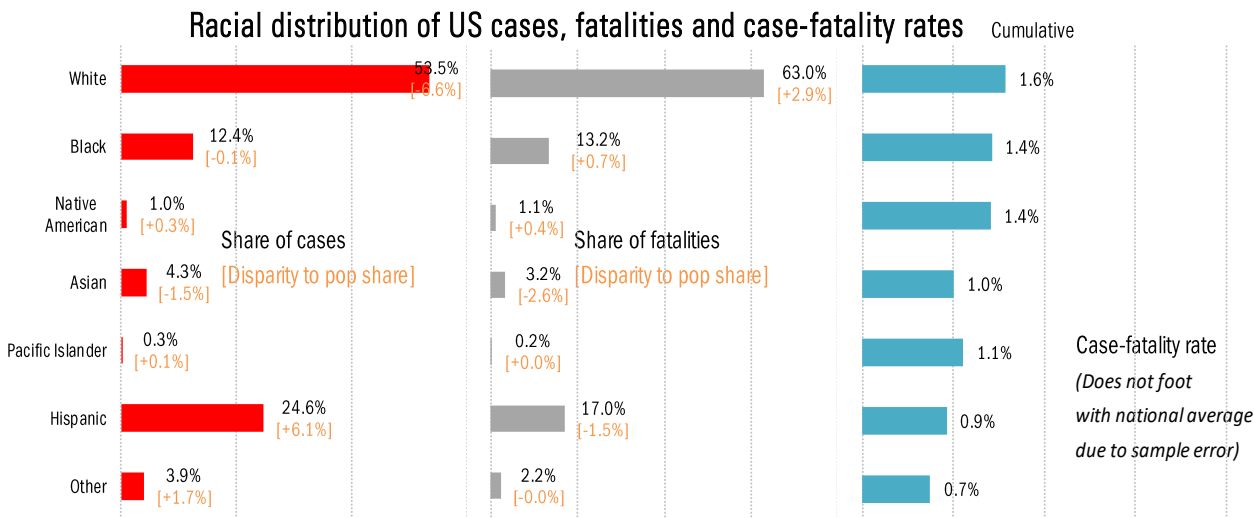
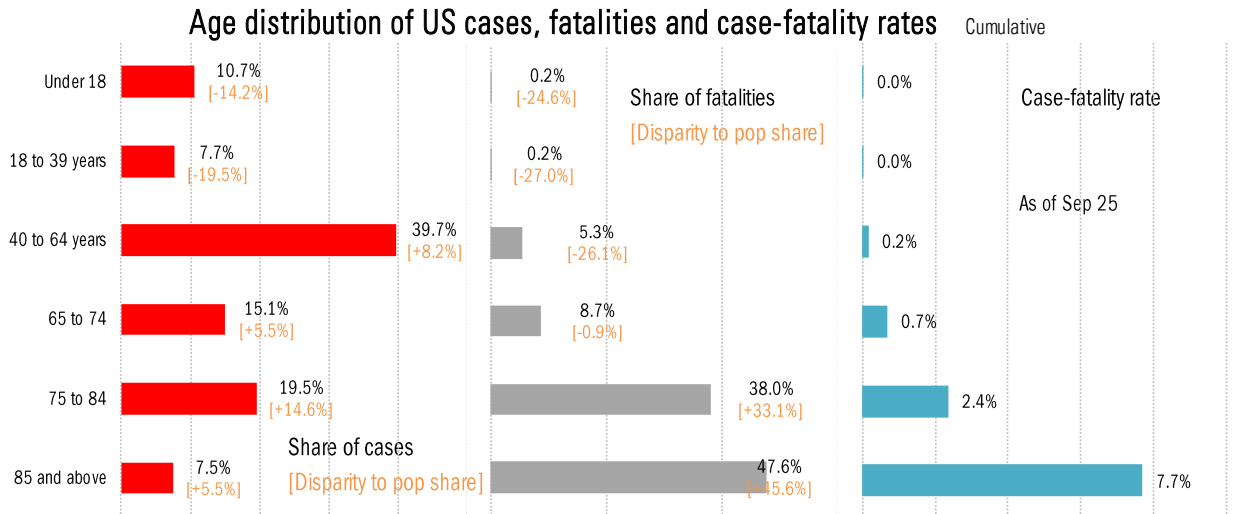


Source: CDC, CDC, Our World in Data, TrendMacro calculations

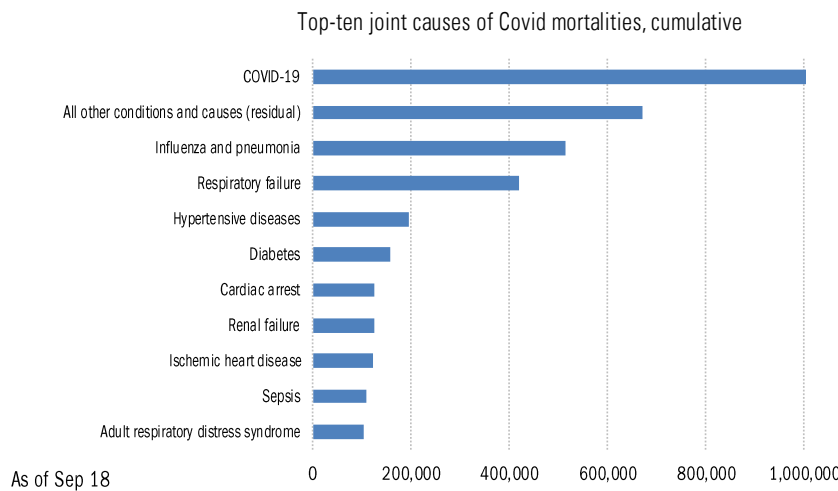
US deep-dive



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

[What is the impact of SARS-CoV-2 infection on semen parameters and sex hormones?](#)

Suchandrima Bhowmik
Medical Life Sciences
September 27, 2022

[Going to Hong Kong? Get ready for a barrage of Covid tests](#)

Charmaine Jacob and Monica Buchanan Pitrelli
NBC News
September 27, 2022

[Canada to end entry requirements: Travelers will not be required proof of COVID-19 vaccine, testing](#)

Kathleen Wong Nathan Diller
USA Today
September 26, 2022

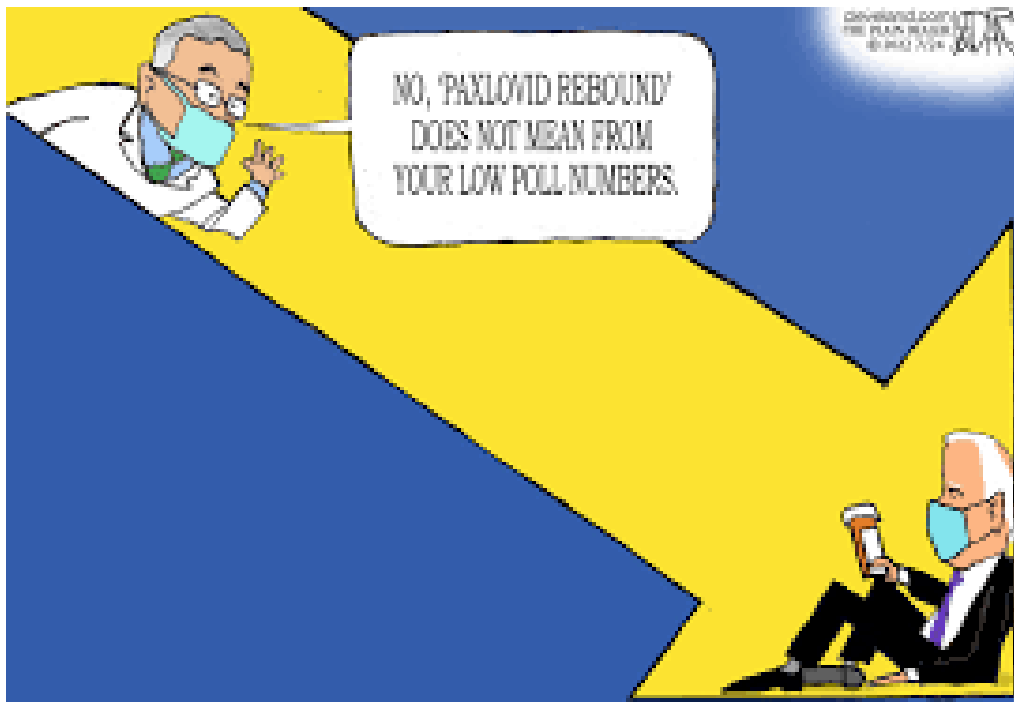
[Prominent Chinese commentator urges COVID experts to 'speak out'](#)

Reuters
September 26, 2022

[Re: Costs of Suspending Student Loan Payments and Canceling Debt](#)

Congressional Budget Office
September 26, 2022

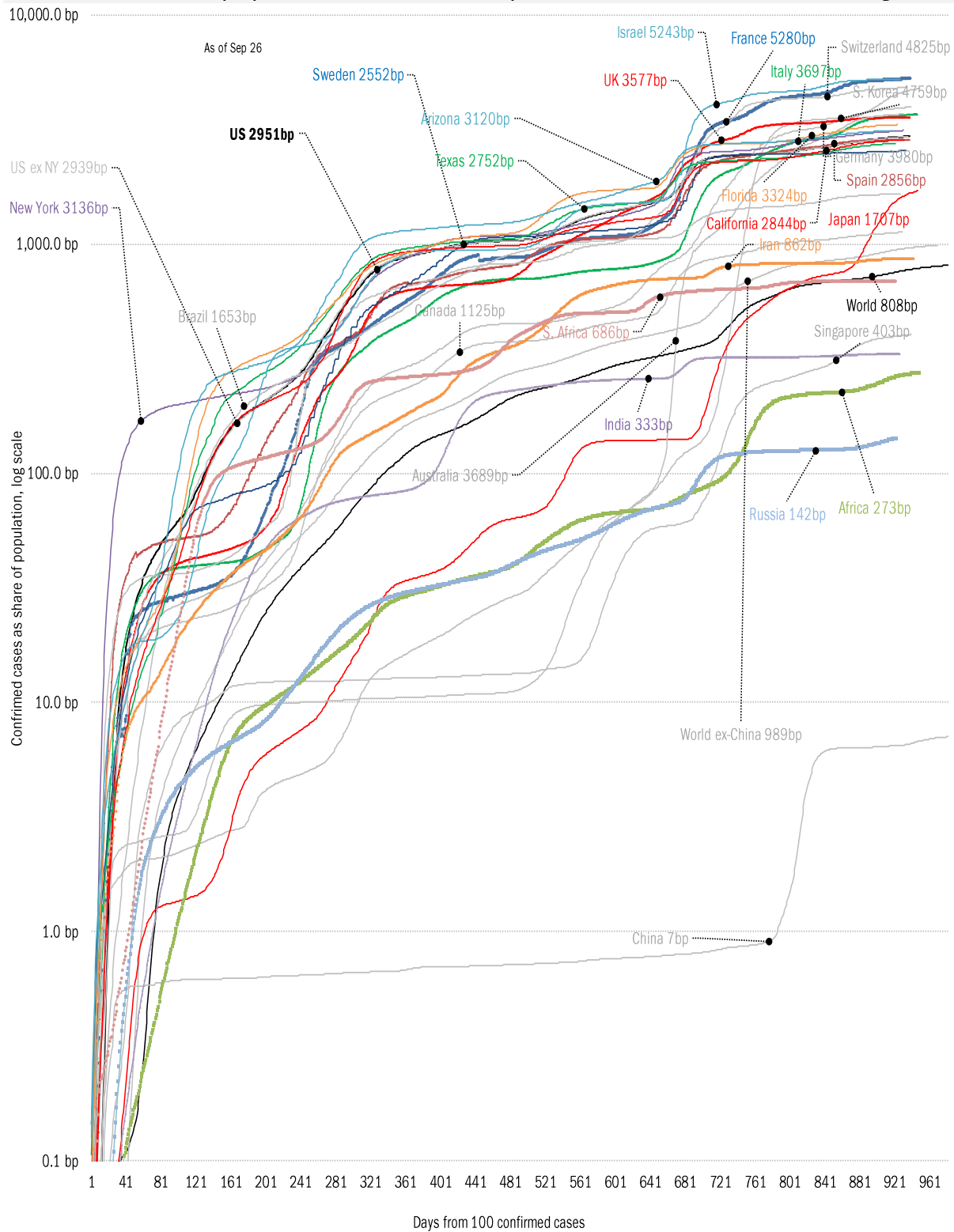
Meme of the day



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

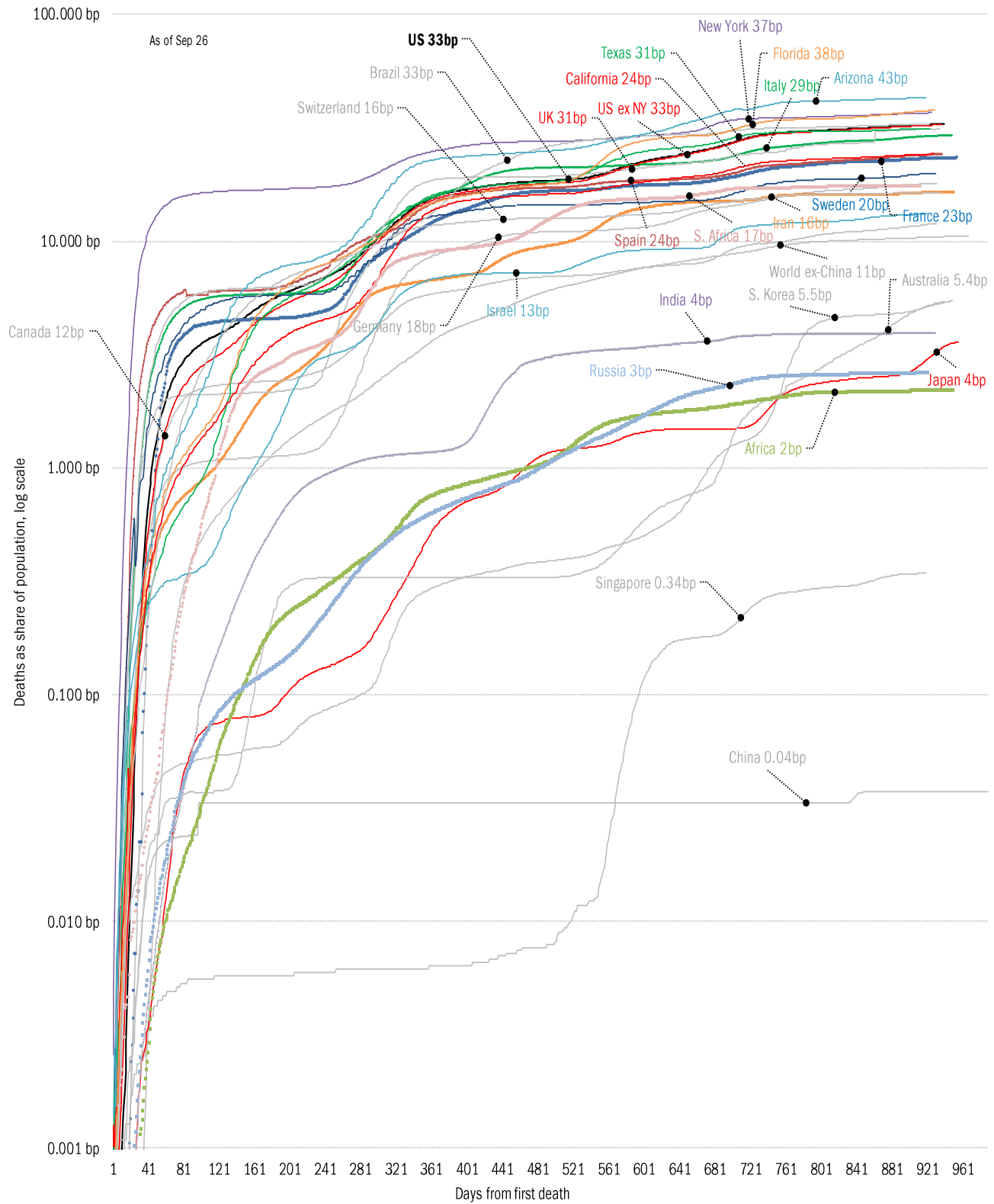
The global coronavirus case accelerometer... tracking the world's infection curves

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

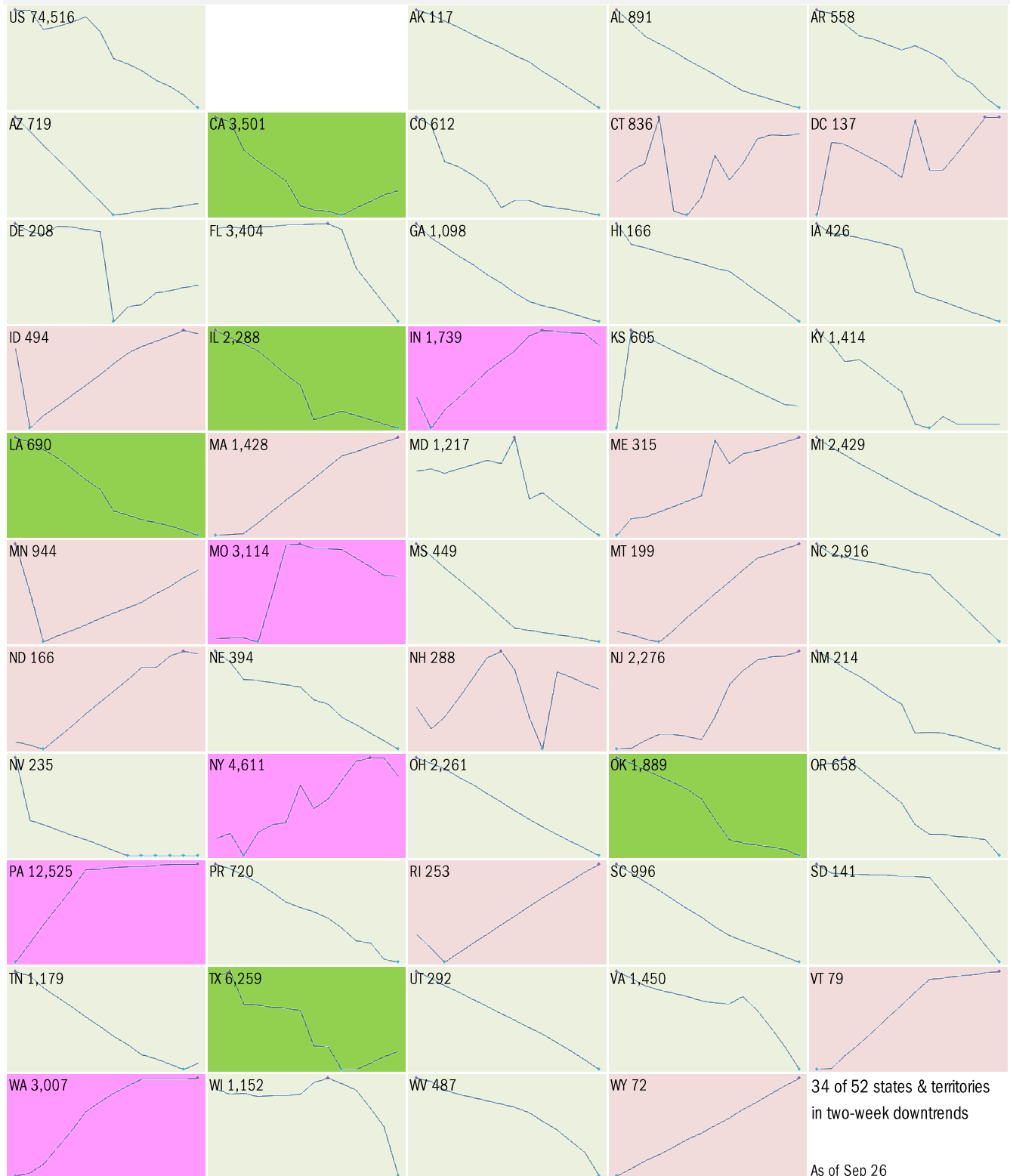


Source: [Johns Hopkins](#), TrendMacro calculations

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

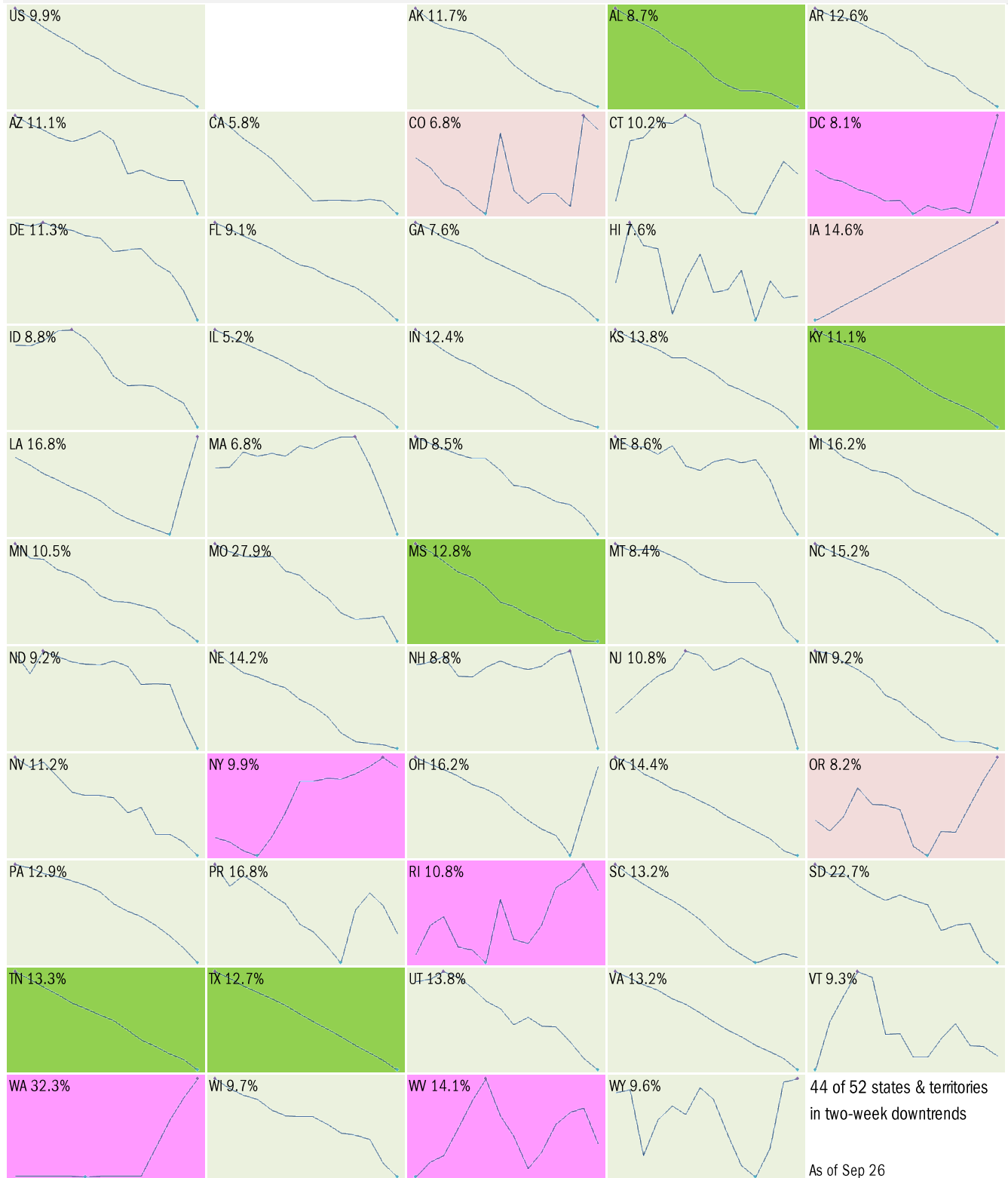


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

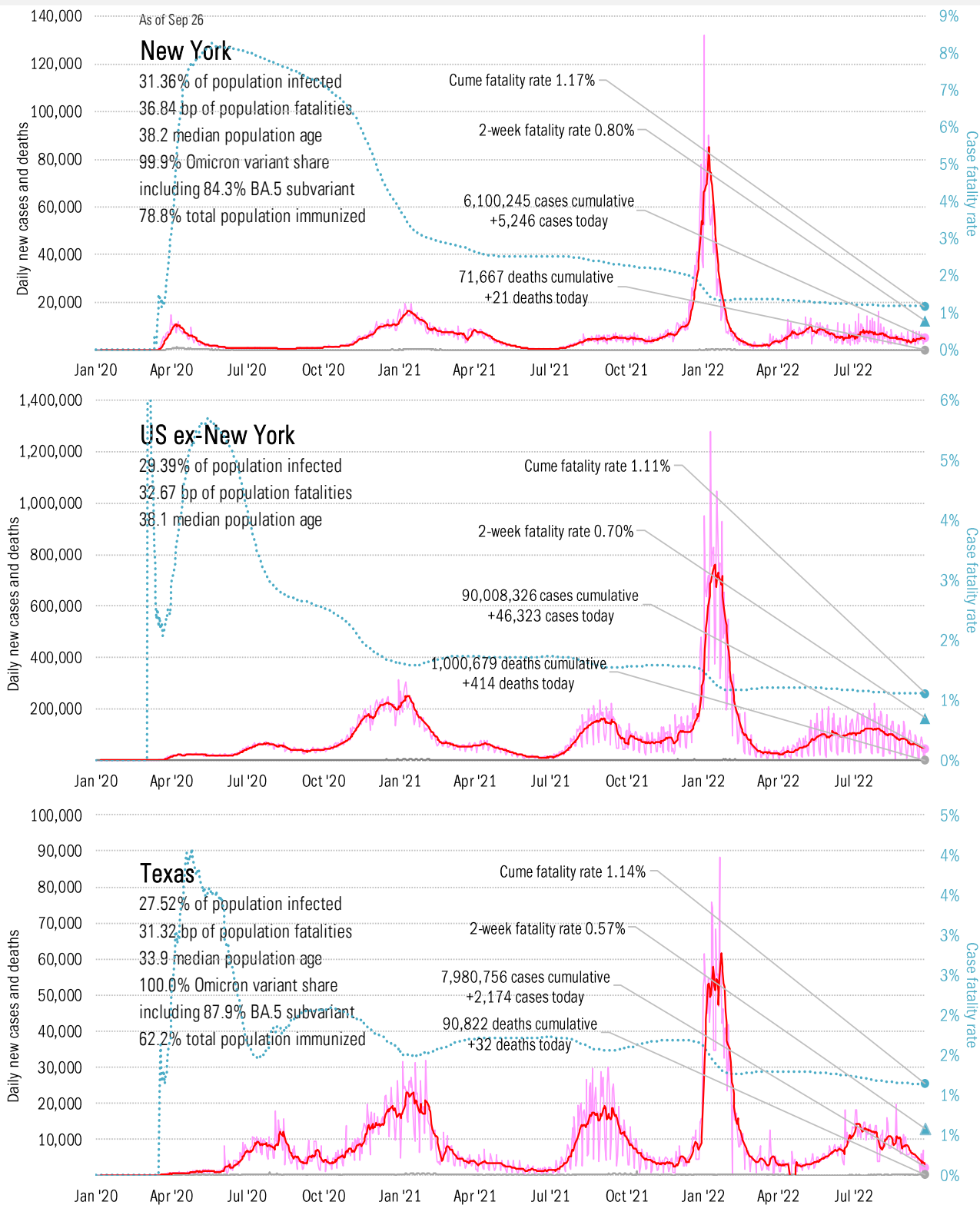
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

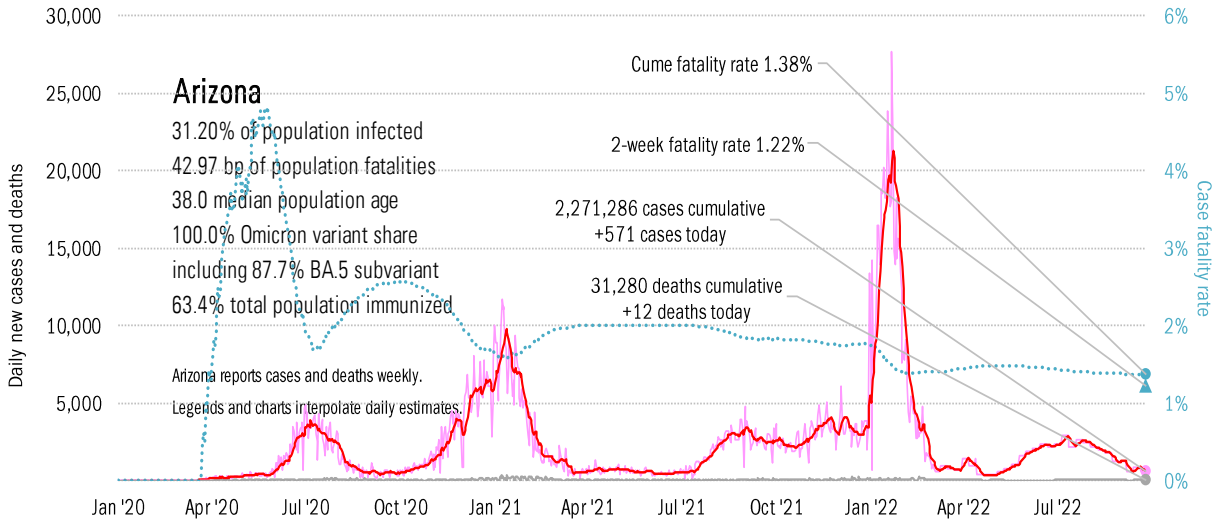
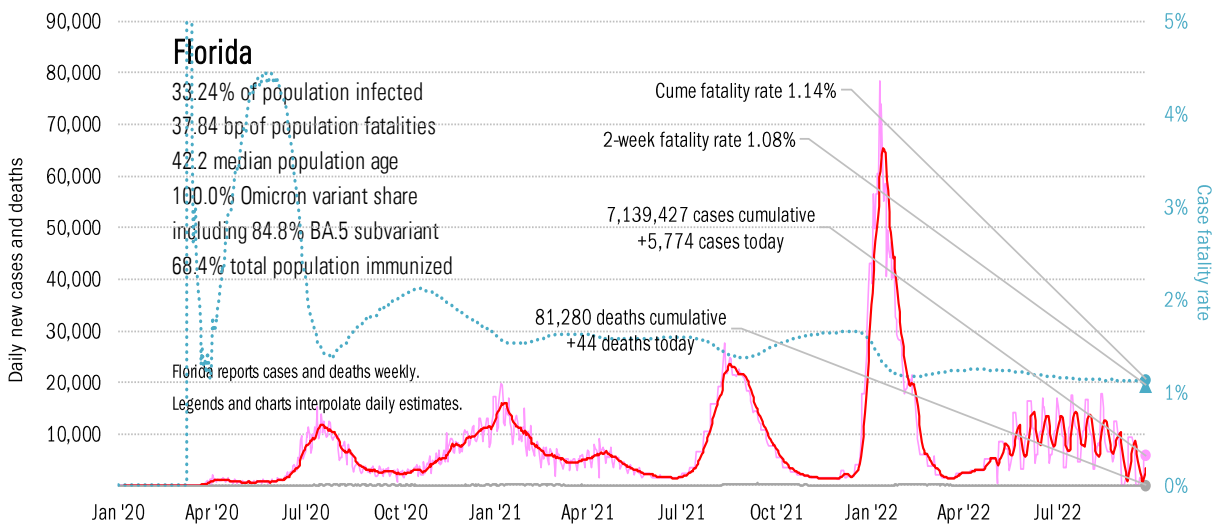
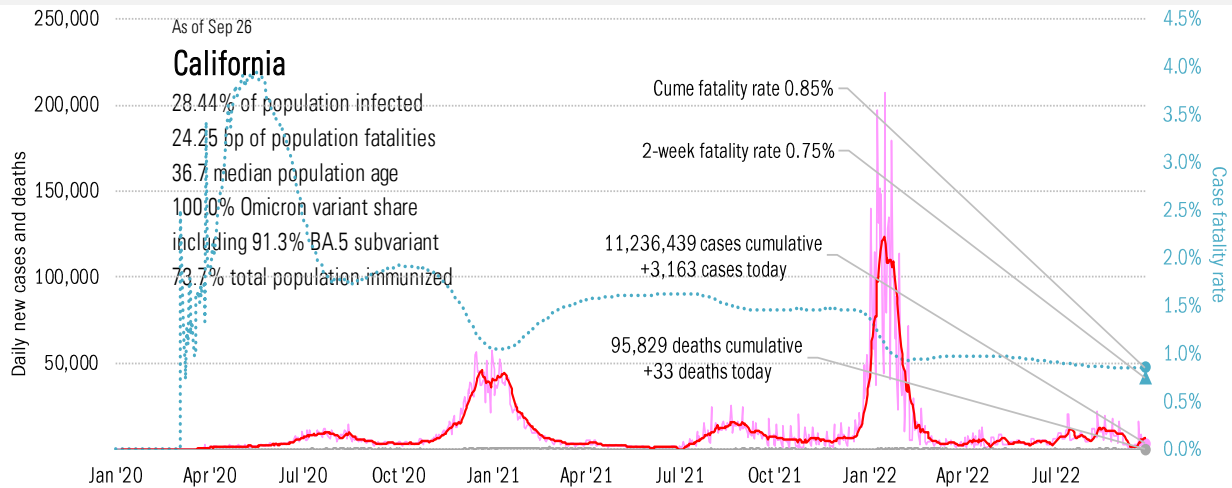
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

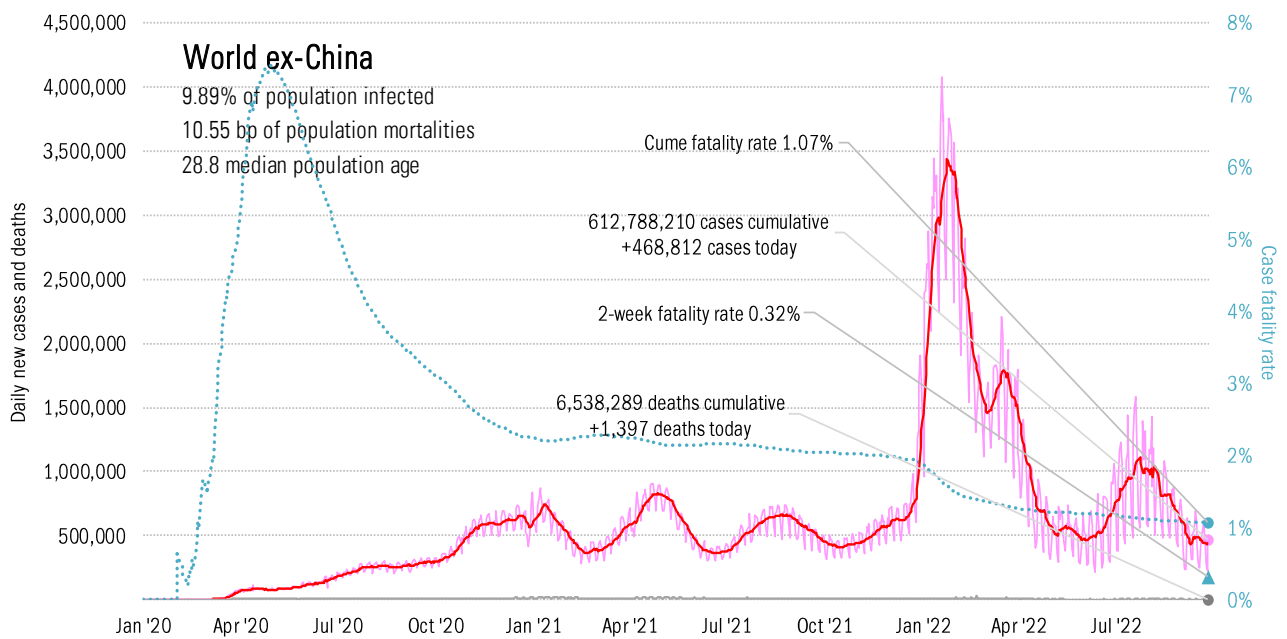
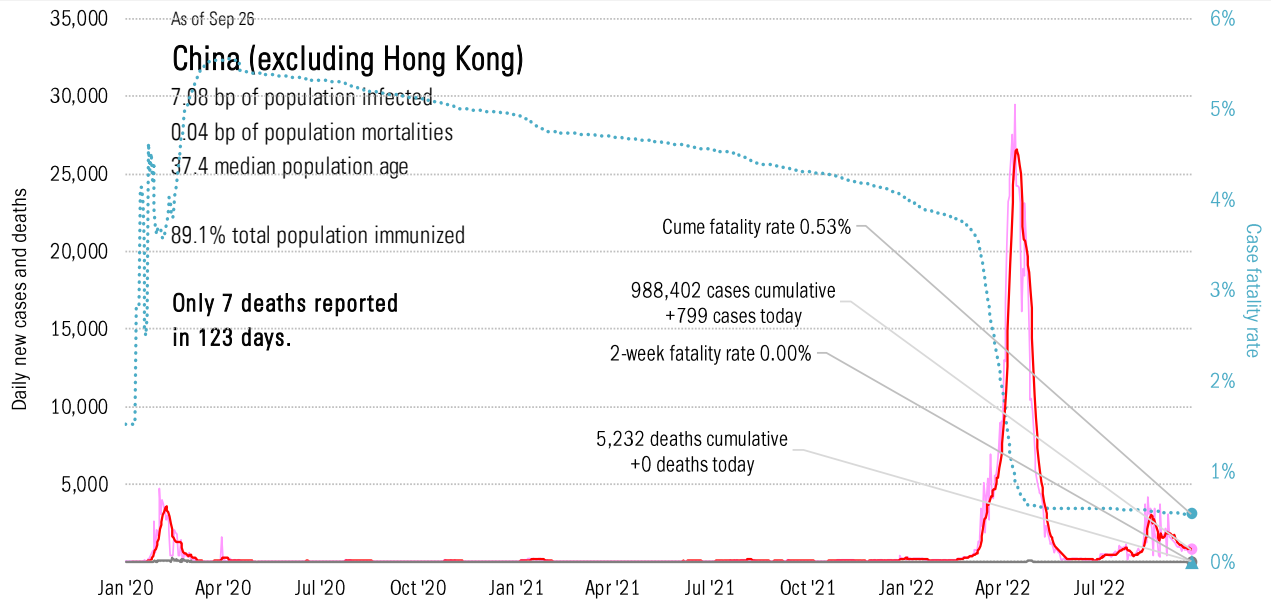
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

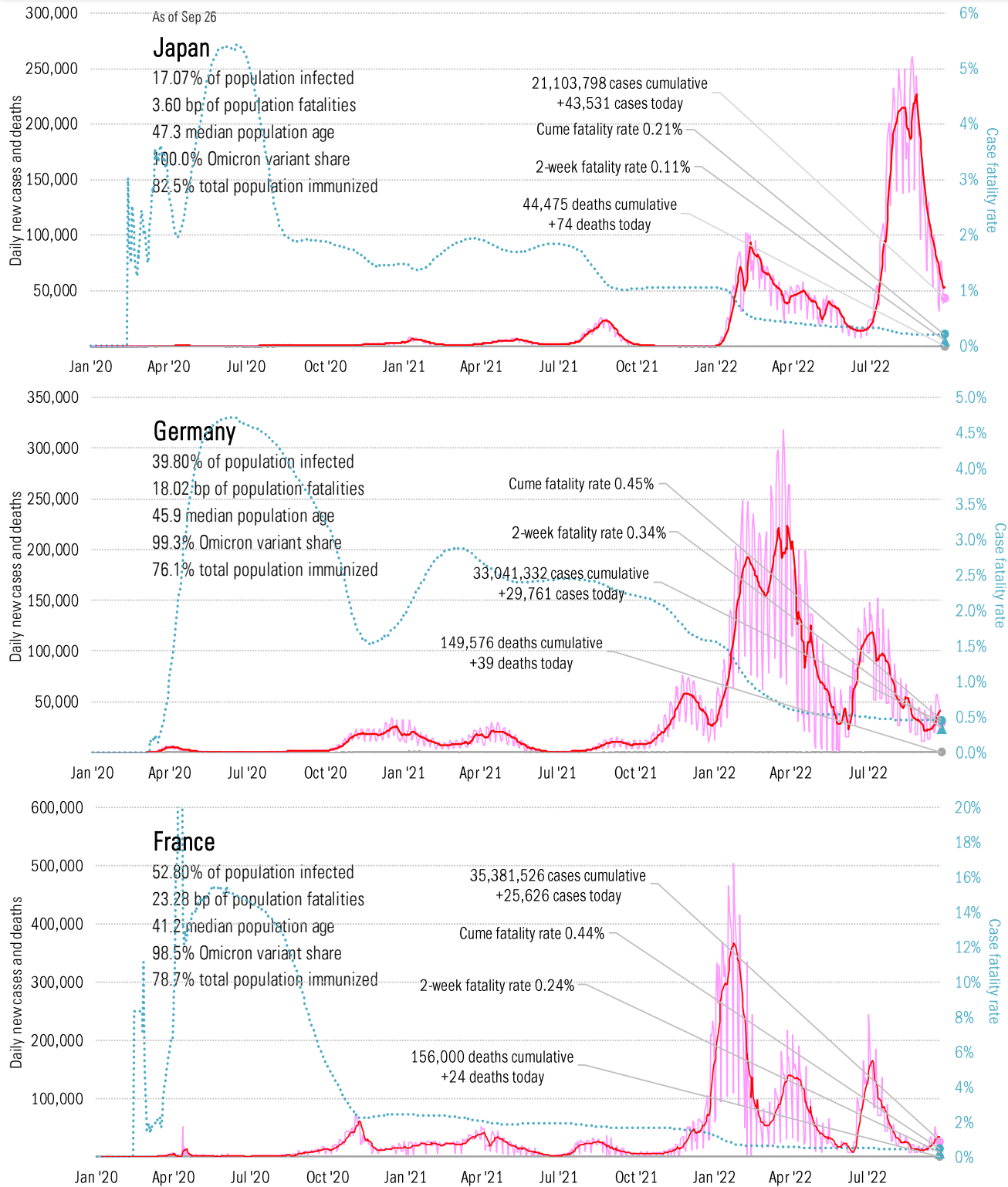
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

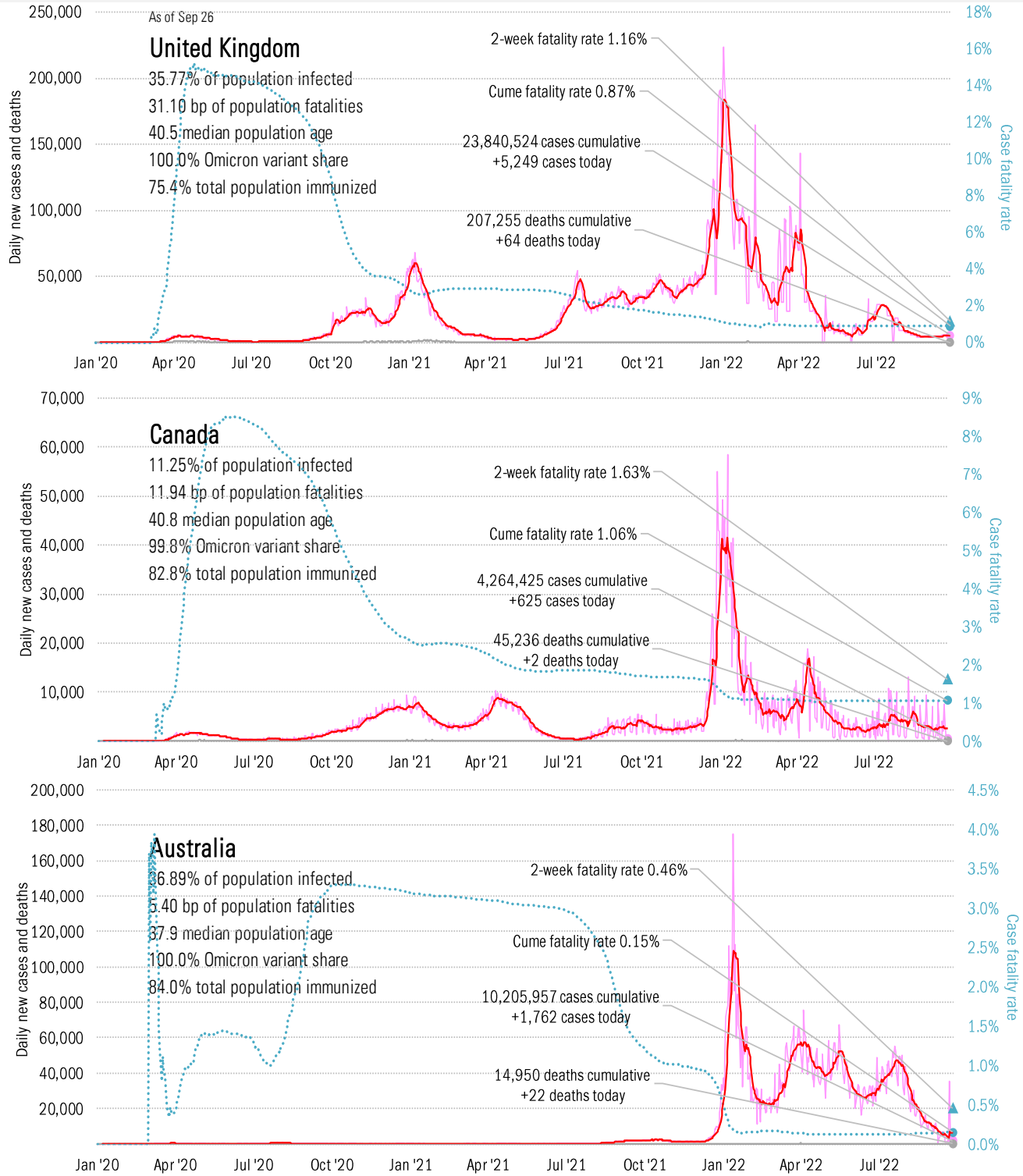
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

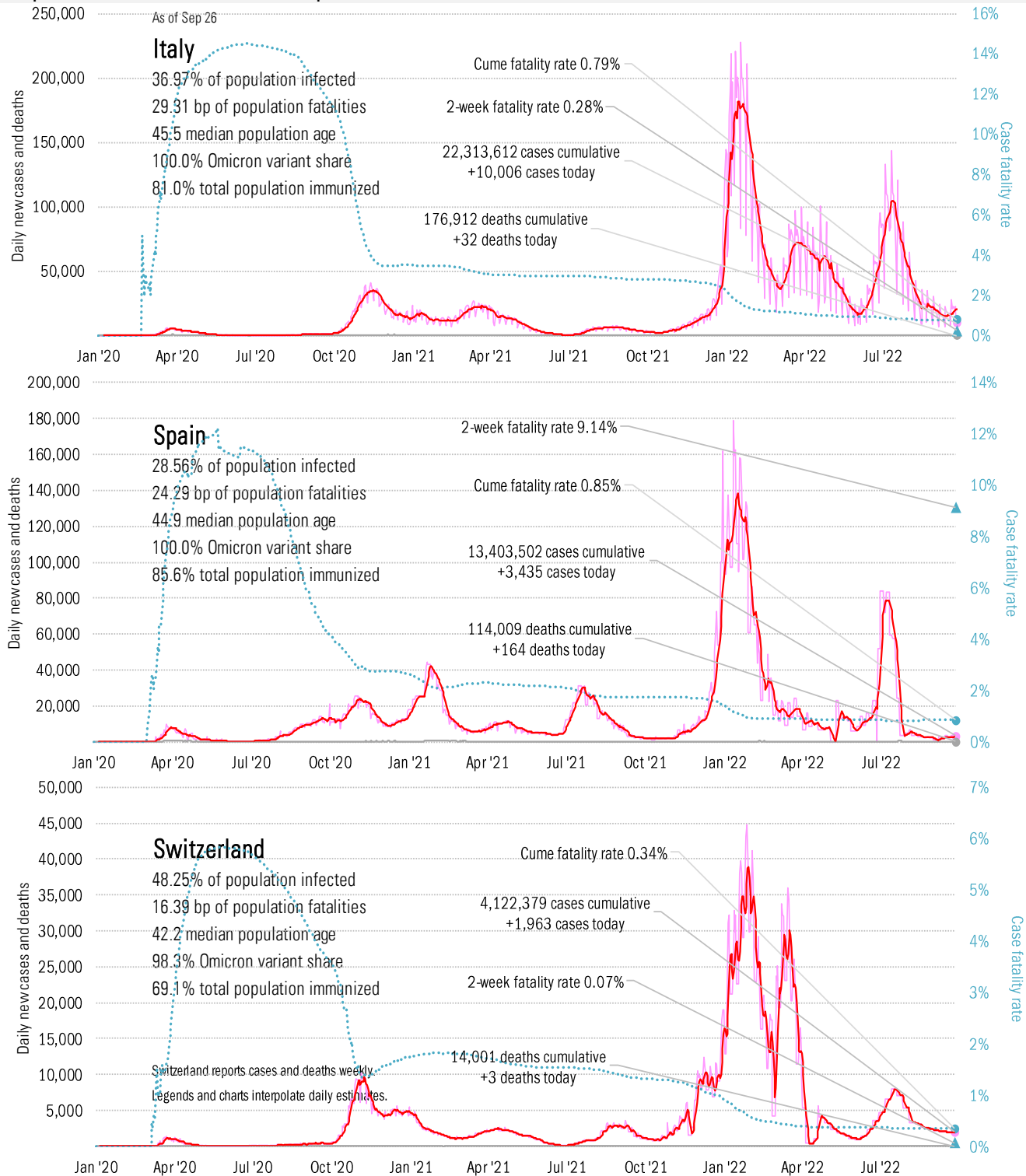
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

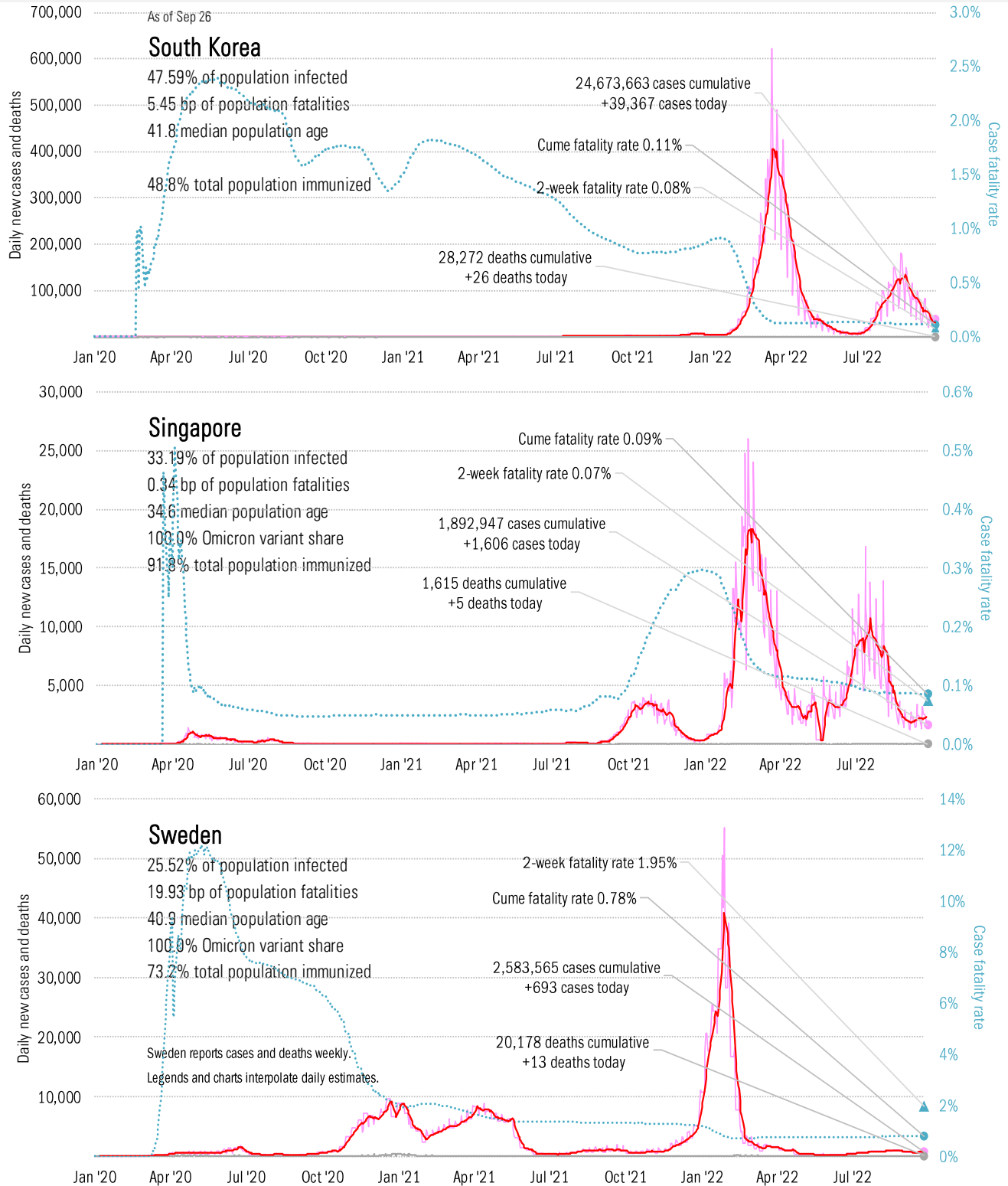
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

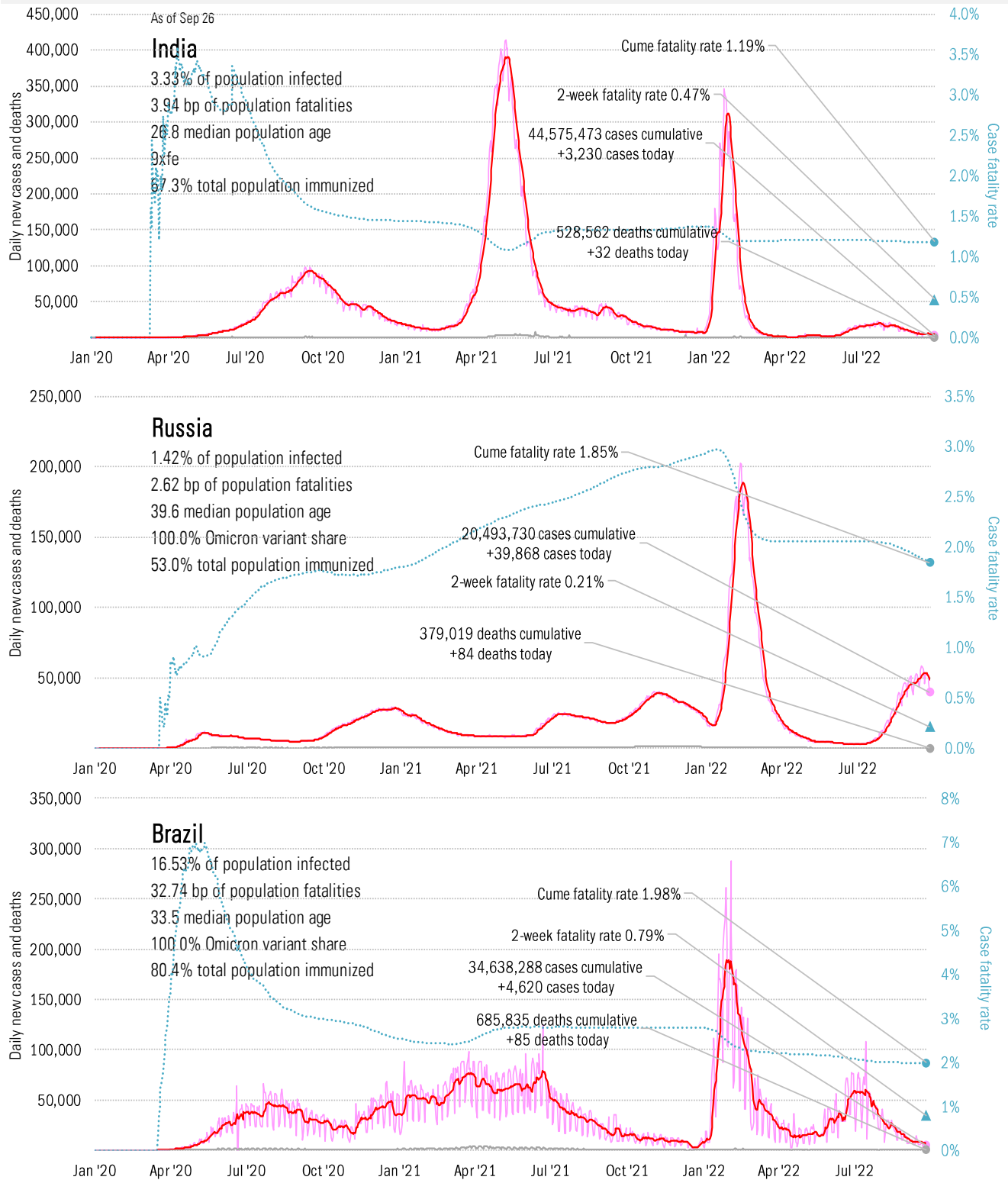
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

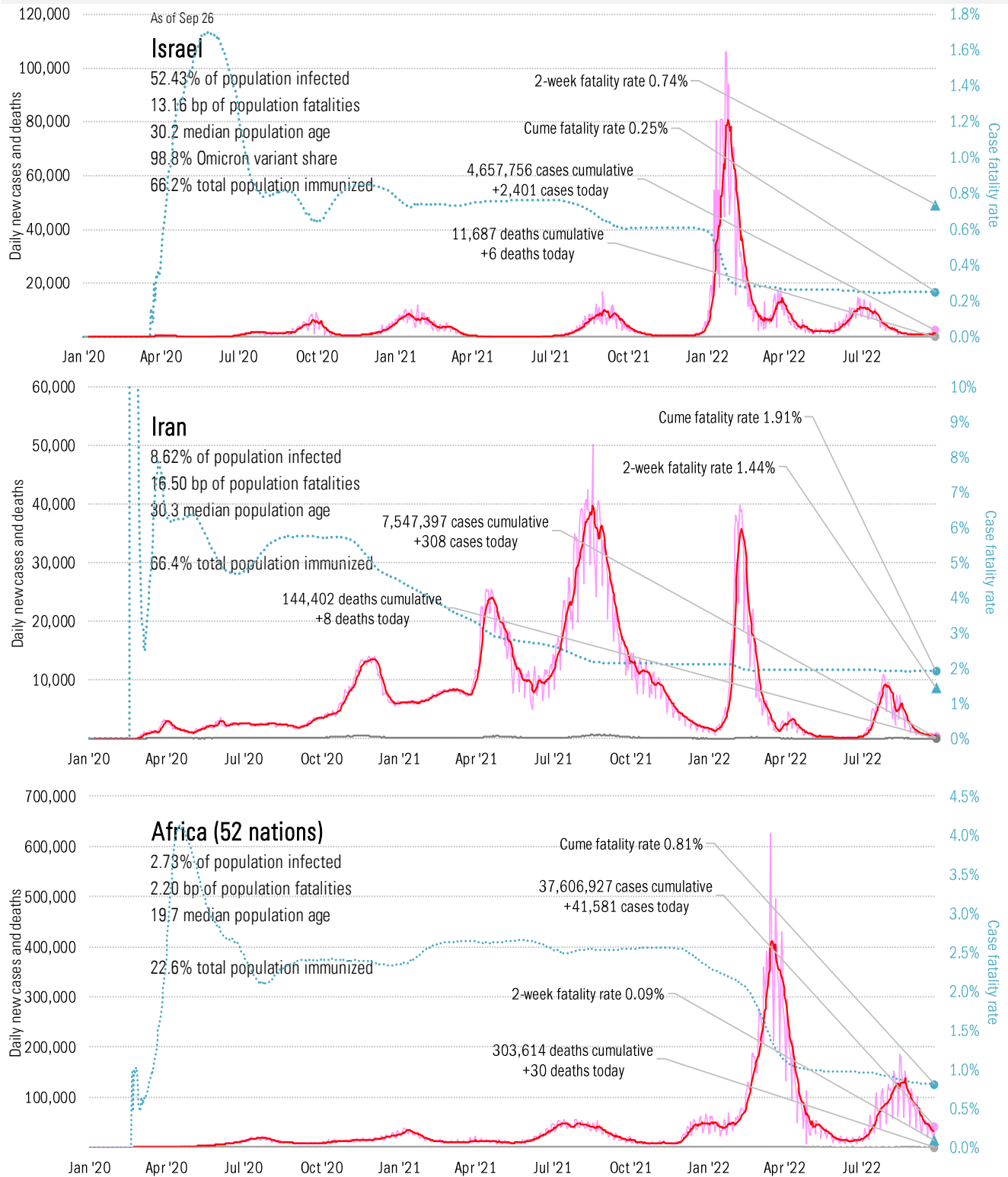
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

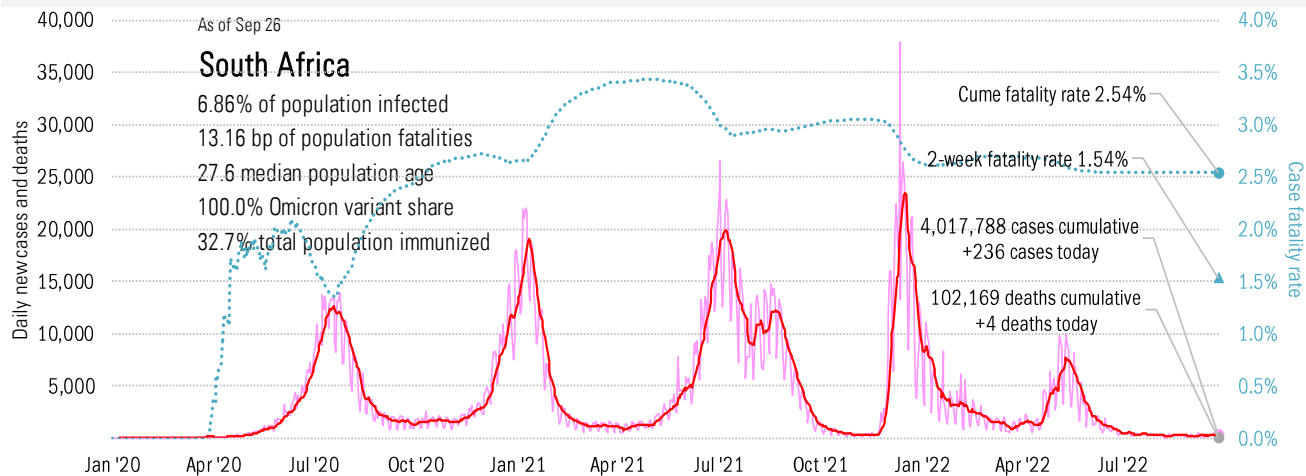
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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