

Data Insights: Covid-2019 Monitor

Saturday, September 24, 2022

The global scorecard

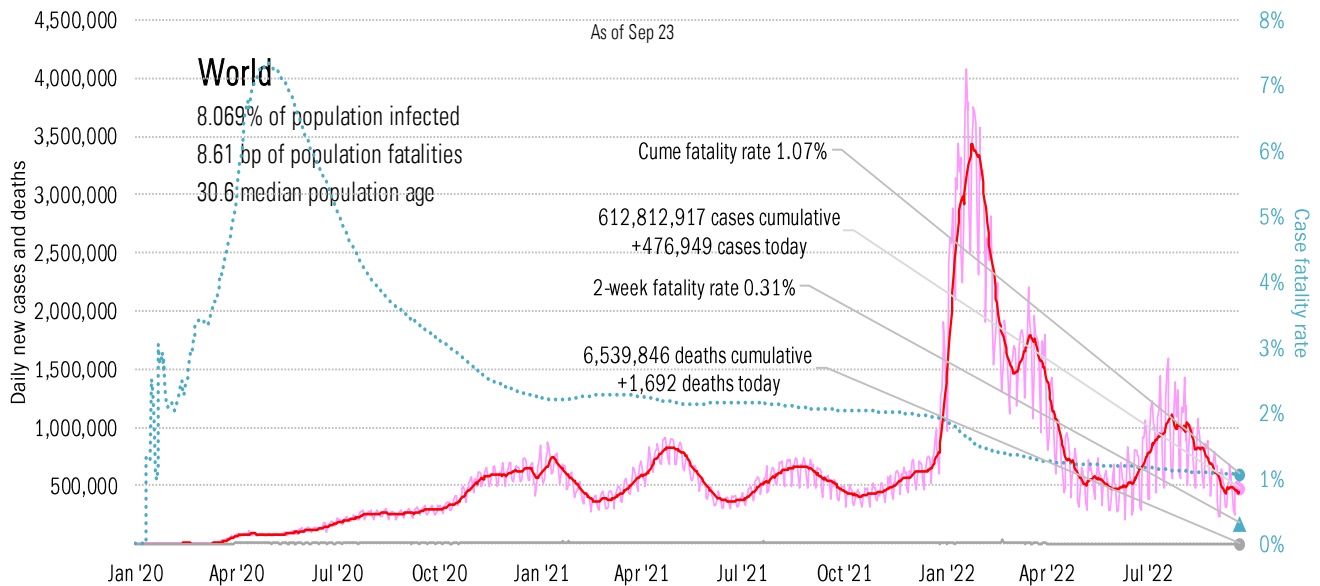
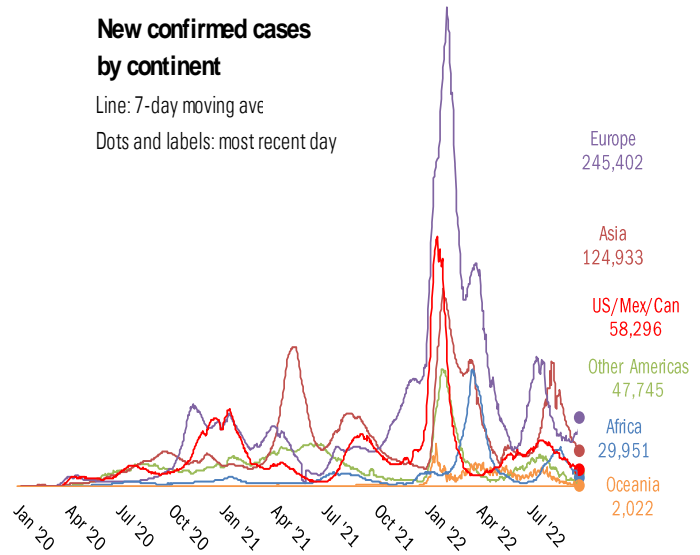
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	82,236	United States	502
Japan	63,838	Spain	164
Russia	52,938	Russia	102
Germany	46,964	Ukraine	92
Taiwan*	39,975	Germany	90
France	37,524	Japan	87
Ukraine	37,080	Brazil	73
Korea, South	29,315	Mexico	68
Italy	21,083	Korea, South	63
Spain	10,306	Italy	49
421,259		1,290	
World	476,949	World	1,692
Top ten	88%	Top ten	76%

New confirmed cases by continent

Line: 7-day moving ave
 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

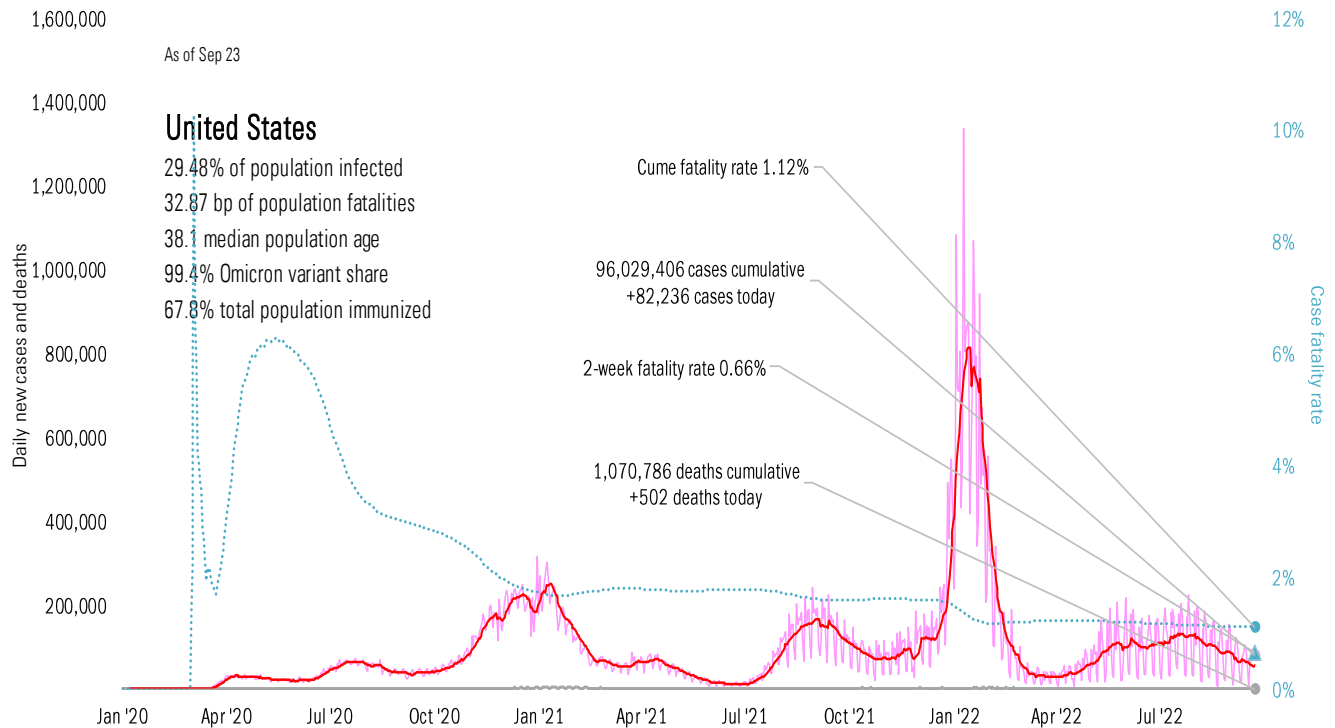
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use		
PA	16,515		TX	61		NY	324		CA	11,233,276		CA	95,796		TX	543,923		RI	93%		RI	92%
TX	6,761		FL	51		NJ	138		TX	7,974,235		TX	90,790		CA	497,574		MA	90%		AK	92%
MO	6,063		IN	29		KS	51		FL	7,122,104		FL	81,134		FL	491,695		MN	87%		MA	86%
NY	5,805		WA	29		GA	151		NY	6,089,163		NY	71,646		NY	297,538		GA	86%		AL	85%
CA	4,640		NY	27		MA	142		IL	3,751,275		PA	47,098		GA	225,282		WA	85%		WA	85%
NJ	3,088		MI	21		PA	191		PA	3,239,298		GA	40,171		CH	217,149		MO	85%		NH	84%
KY	3,056		GA	21		MI	158		NC	3,182,775		CH	39,767		PA	202,421		MD	84%		TX	84%
NC	2,898		VA	20		MO	118		CH	3,131,645		IL	39,624		IL	185,681		DC	84%		NM	82%
WA	2,520		PA	18		H	19		GA	2,900,354		MI	38,464		MI	161,588		NH	83%		GA	81%
MI	2,414		AR	17		NH	22		MI	2,821,489		NJ	34,706		KY	144,673		DE	83%		NC	81%
53,760			294			1,314			51,445,614			579,196			2,967,524							
All states	82,236		502			3,997			All states	96,029,406		1,070,786			5,382,998			All states	70%		67%	
Top ten	65%		59%			33%			Top ten	54%		55%			55%			Median	78%		74%	

Some states not reporting

Five most improved US states

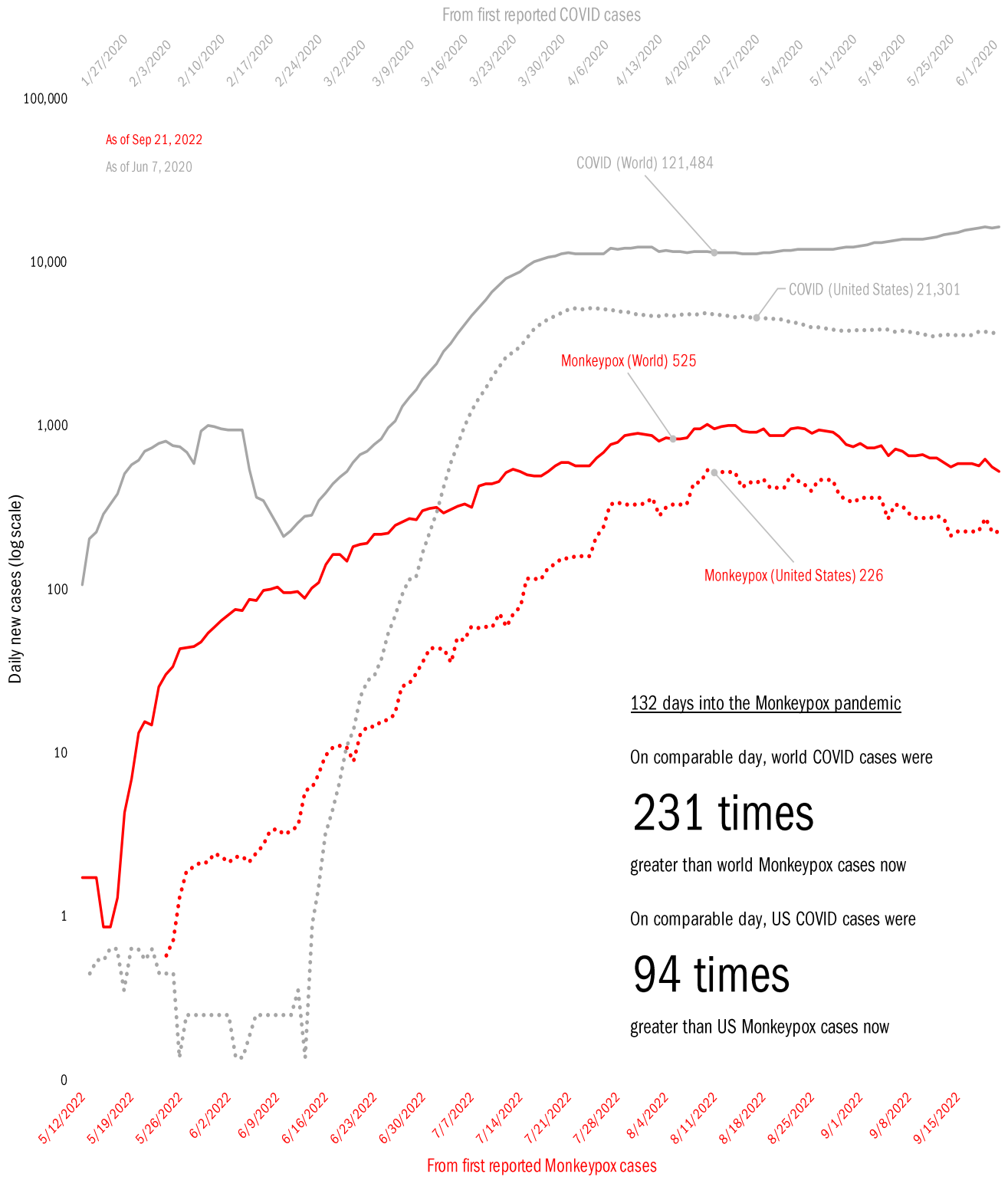
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-4,016	CA	-138	MN	-46
IL	-3,067	NM	-8	AR	-28
NY	-924	ID	-4	TX	-27
IN	-491	MD	-3	MD	-25
AR	-329	ME	-2	IA	-24



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

The Monkeypox contextualizer

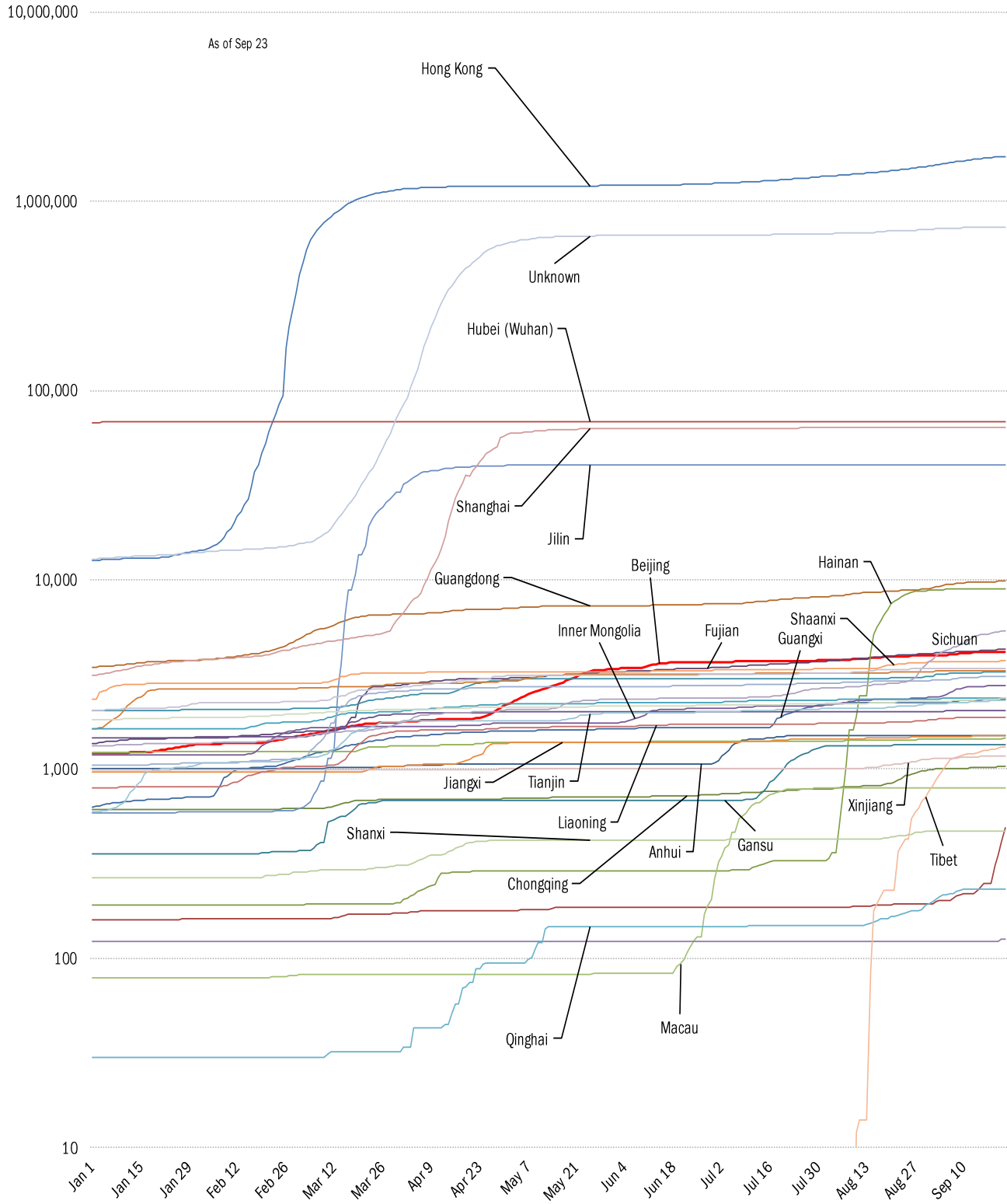
The course of case growth versus COVID



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"

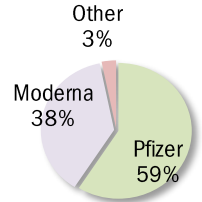


Source: [Johns Hopkins](#), TrendMacro calculations

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

Best
Middle
Worst

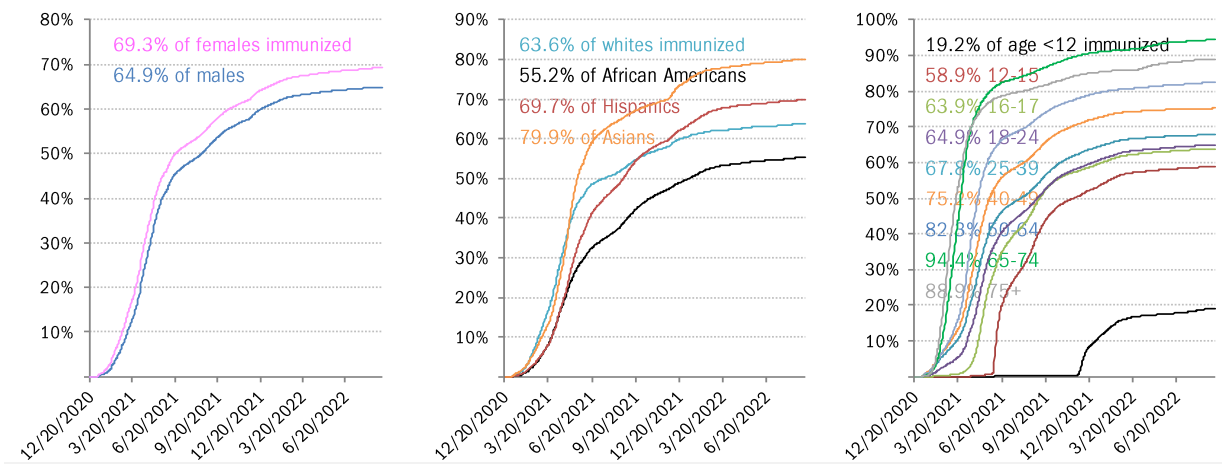
"Immunity" = two doses

As of Sep 23

Global data differs due to sources, timing

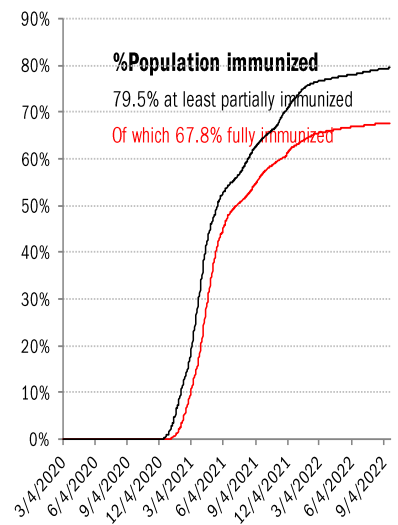
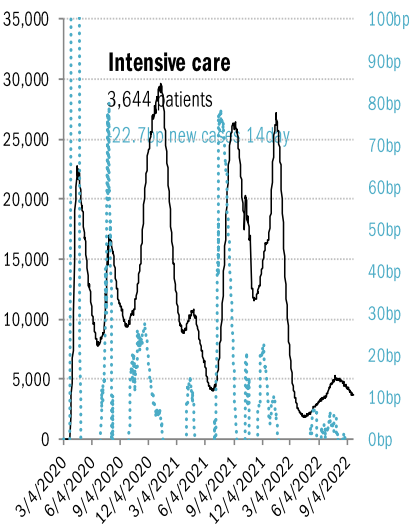
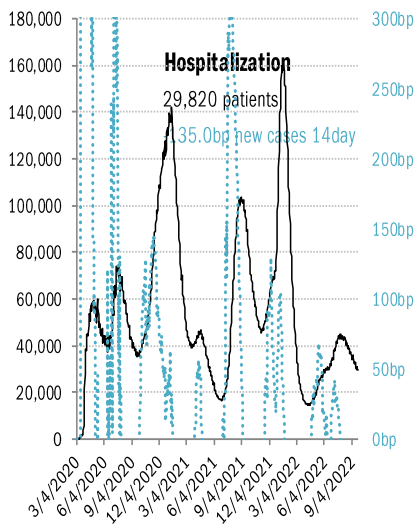
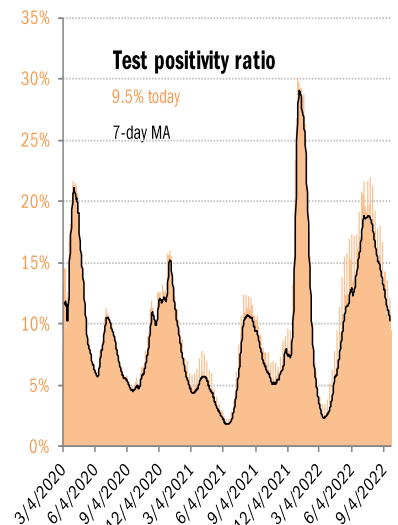
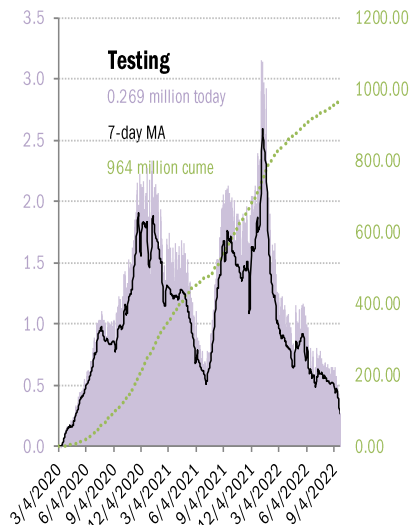
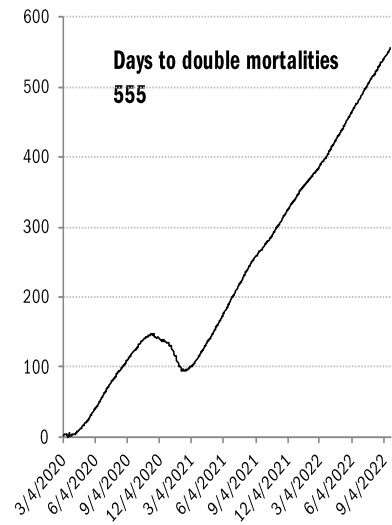
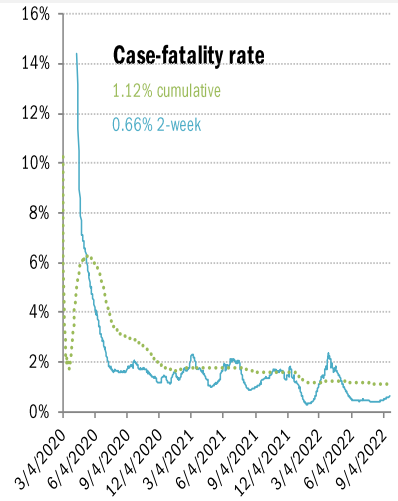
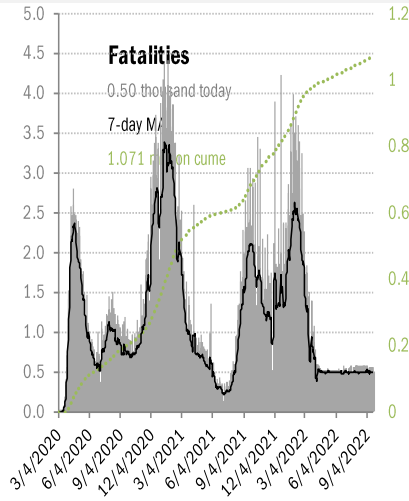
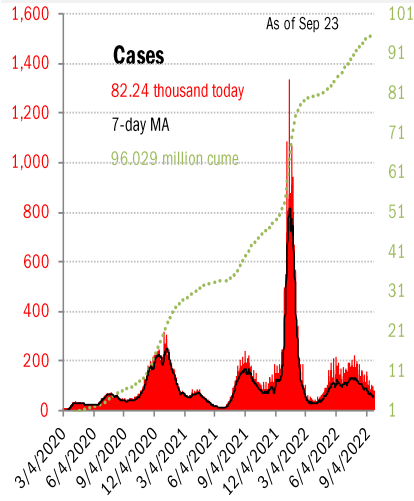
					WI						ME
					73.4%						93.5%
					66.8%						81.5%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.2%	62.6%	66.8%	67.3%	77.0%	77.5%	68.3%			92.3%	95.0%	91.4%
74.0%	55.3%	58.0%	56.8%	70.6%	69.8%	61.3%			78.8%	83.2%	72.8%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
79.7%	77.2%	59.4%	79.8%	69.4%	63.3%	64.6%	87.8%		92.7%	95.0%	
70.9%	62.1%	52.0%	64.0%	63.1%	56.9%	59.5%	70.8%		77.4%	81.2%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
84.3%	73.8%	81.7%	71.9%	67.8%	67.6%	66.4%	88.2%		89.3%	95.0%	95.0%
73.7%	65.5%	71.8%	64.9%	57.5%	58.5%	58.8%	74.9%		77.7%	81.1%	85.3%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	75.8%	90.8%	74.4%	68.4%	63.5%	87.9%	69.5%		95.0%	85.7%	
	63.4%	73.0%	63.6%	55.7%	55.6%	64.0%	58.5%		80.2%	71.2%	
			OK	LA	MS	AL	GA				
			72.9%	62.1%	61.0%	64.1%	67.1%				
			58.8%	54.4%	53.1%	52.3%	56.2%				
HI			TX						FL		PR
89.7%			74.7%						81.1%		95.0%
79.9%			62.2%						68.4%		85.0%

The demographics of US vaccination

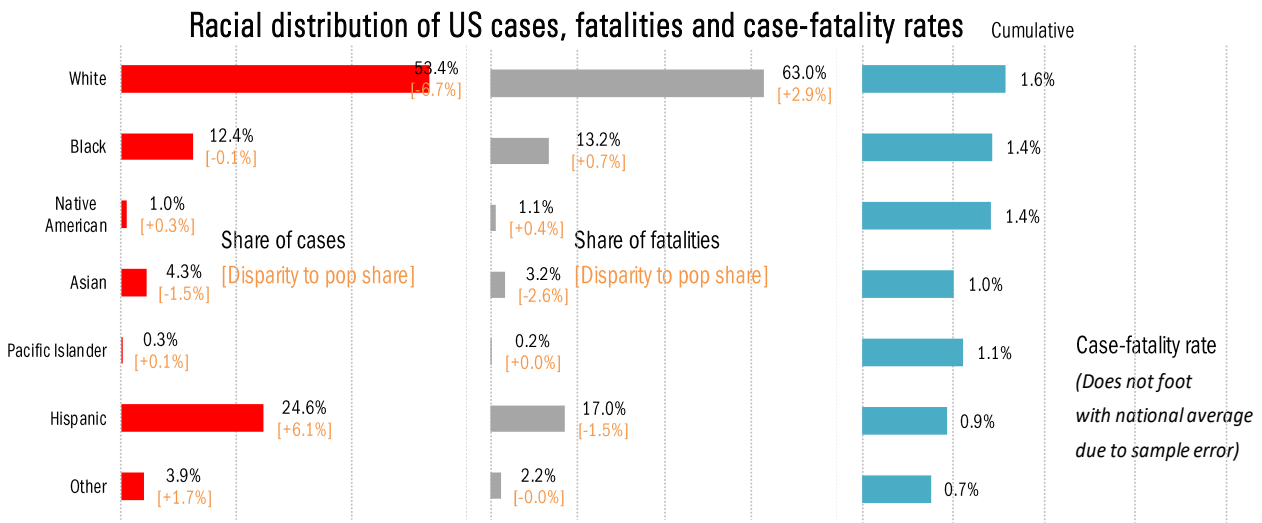
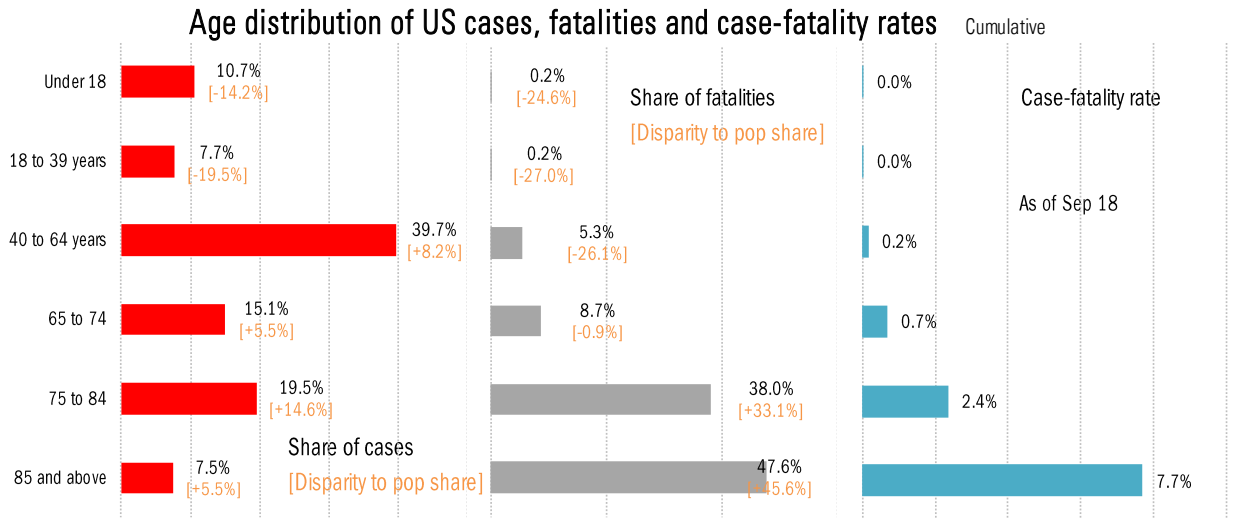


Source: CDC, CDC, Our World in Data, TrendMacro calculations

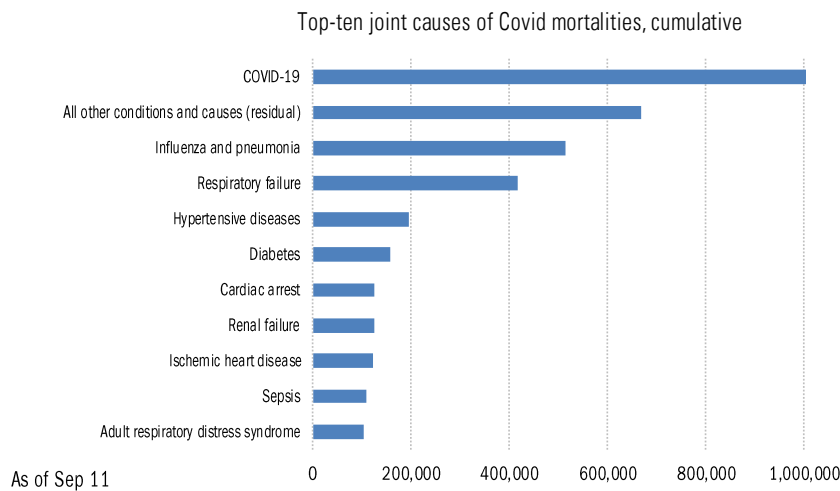
US deep-dive



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

[Resumption of tourism in Japan : What You Need to Know !](#)

Japan Experience
September 23, 2022

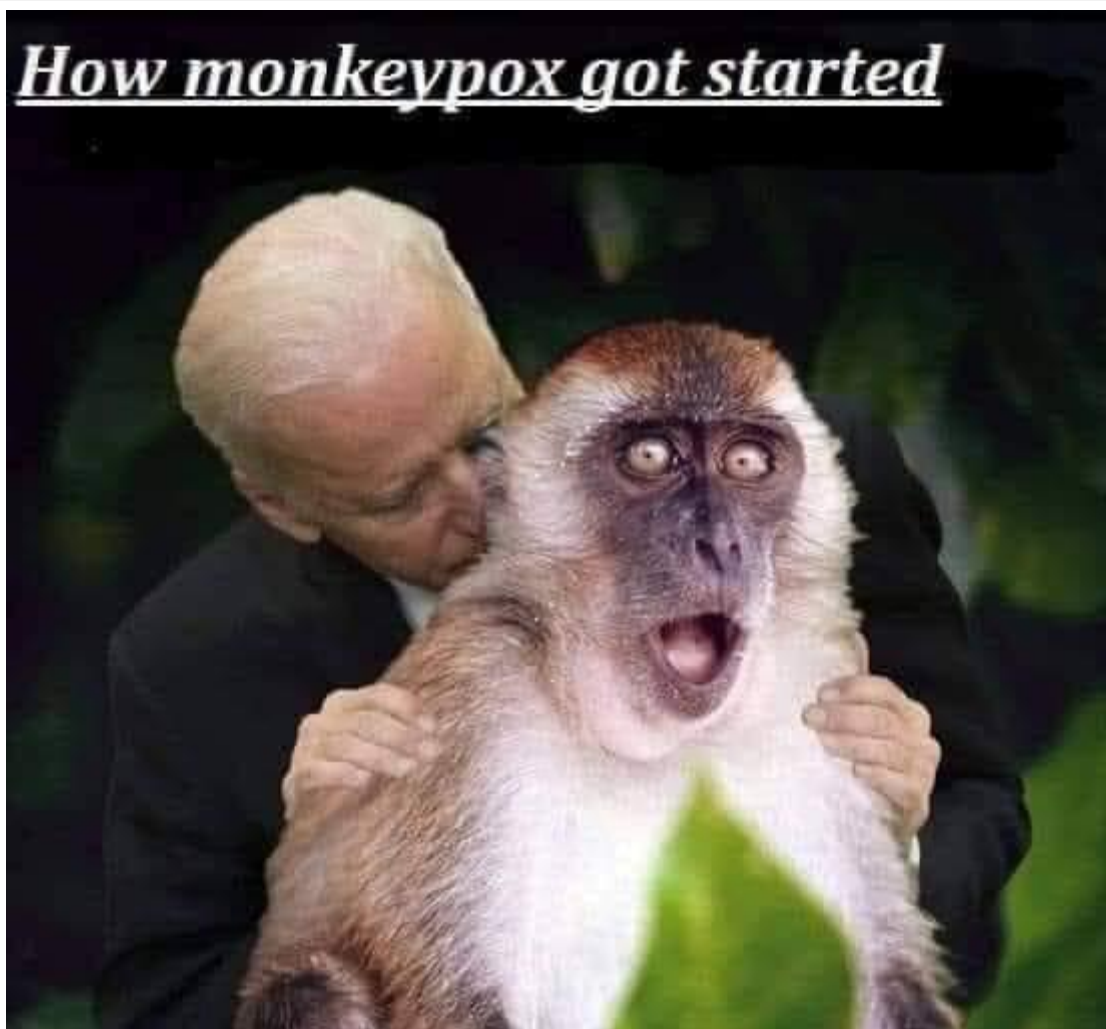
[Why I Joined Mike Lindell's Legal Team](#)

Alan Dershowitz
Wall Street Journal
September 22, 2022

[This Is What Life's Like in the World's Strictest Covid Zero City](#)

John Liu with Claire Che
Bloomberg
September 22, 2022

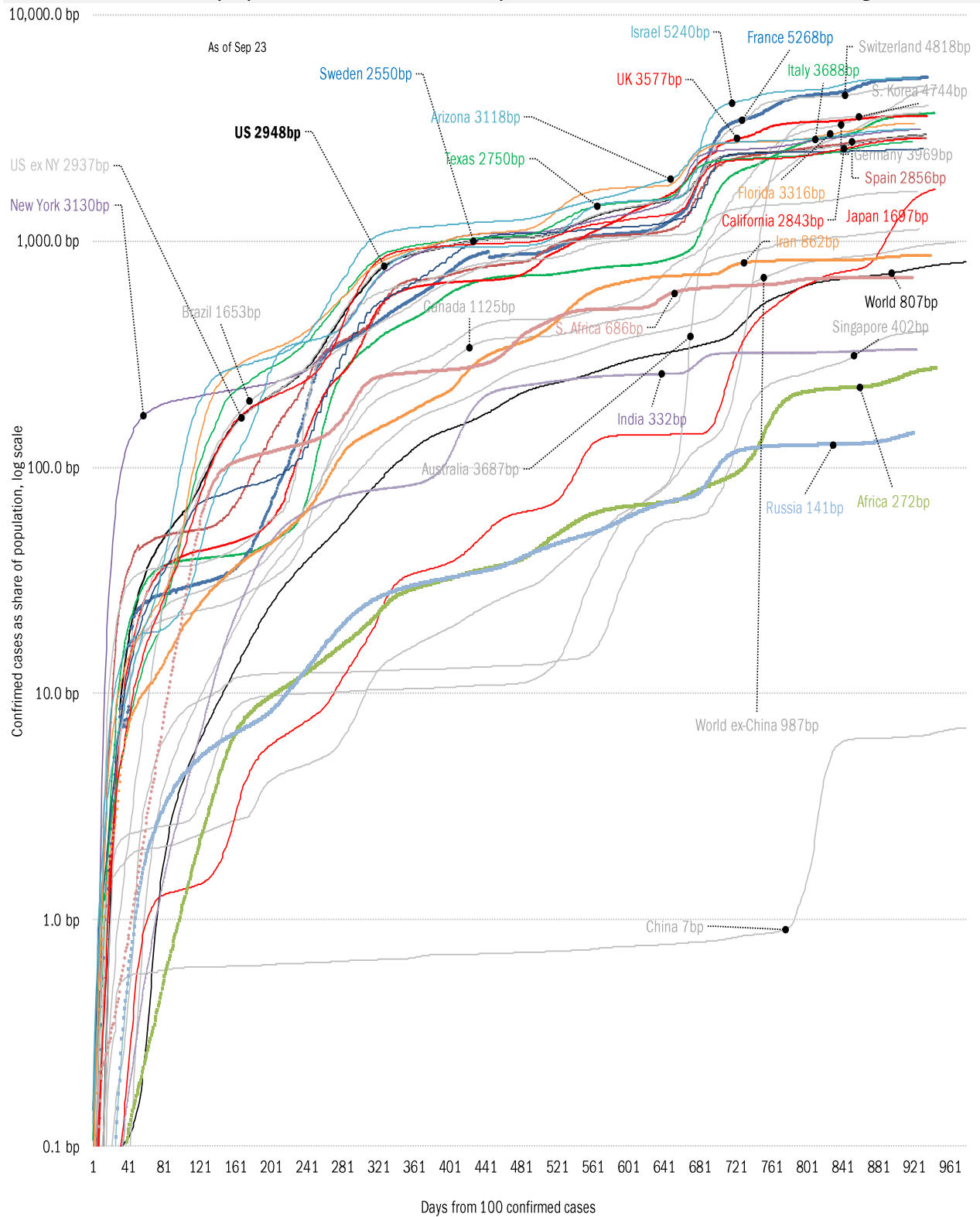
Meme of the day



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

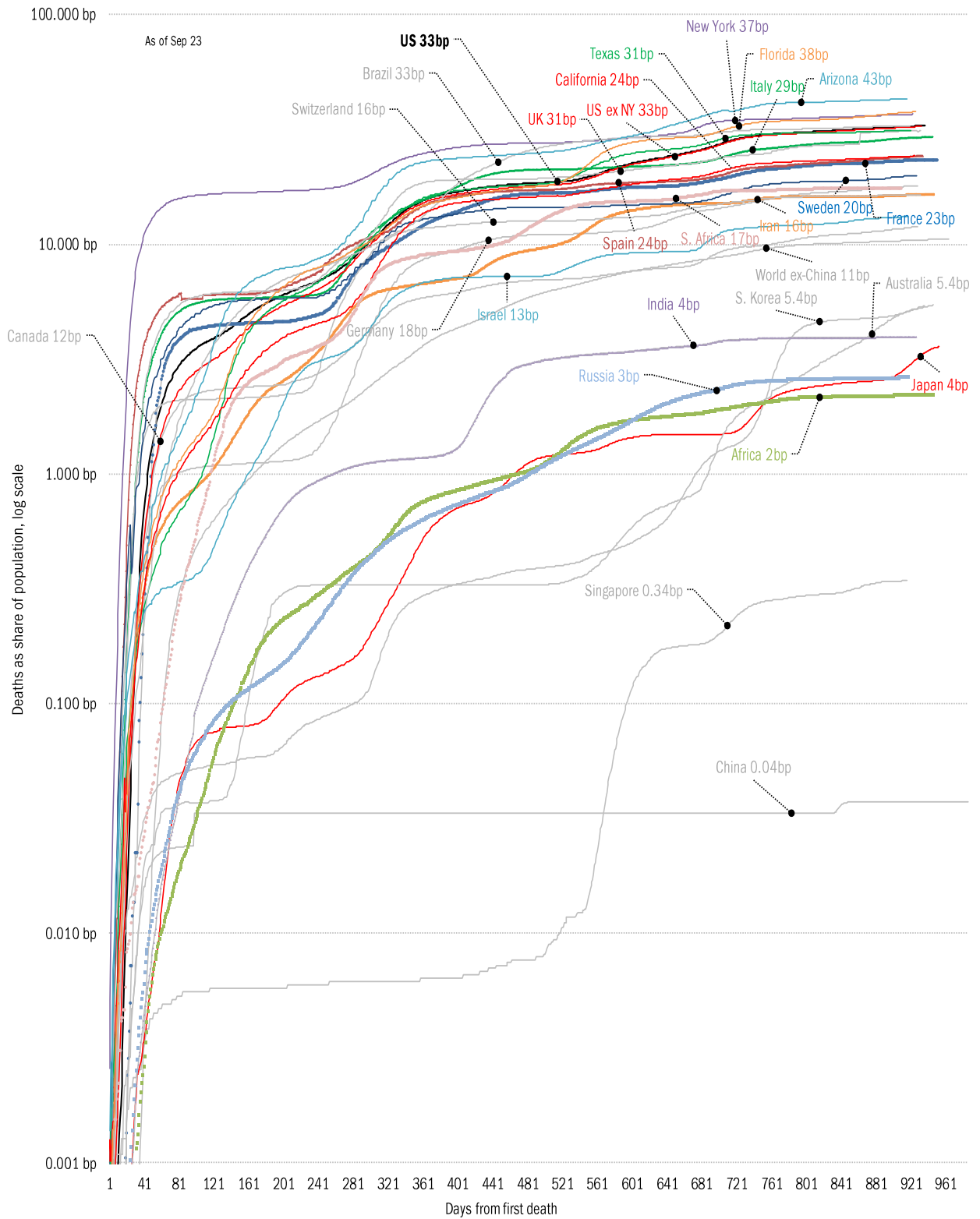
The global coronavirus case accelerometer... tracking the world's infection curves

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

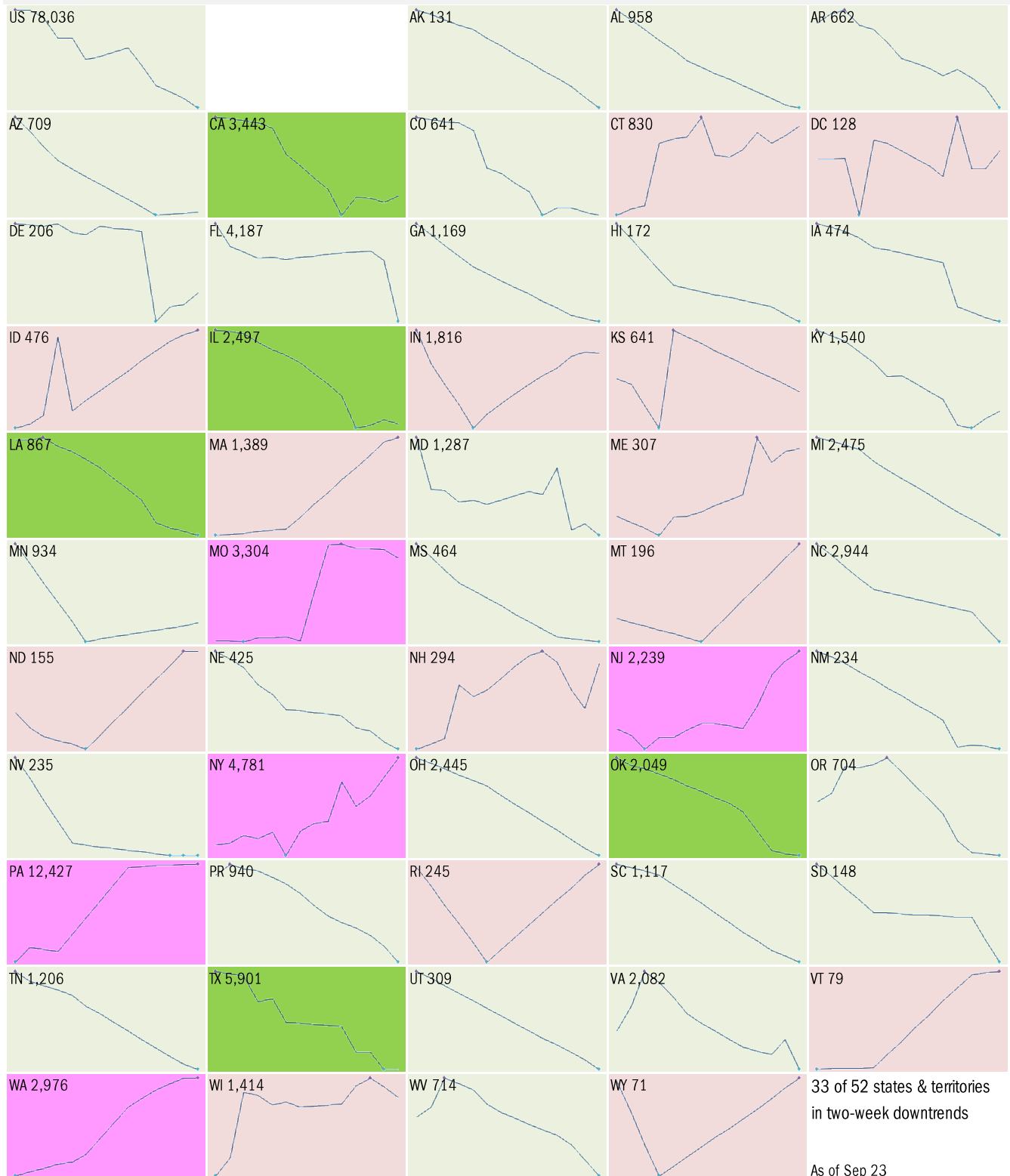


Source: [Johns Hopkins](#), TrendMacro calculations

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

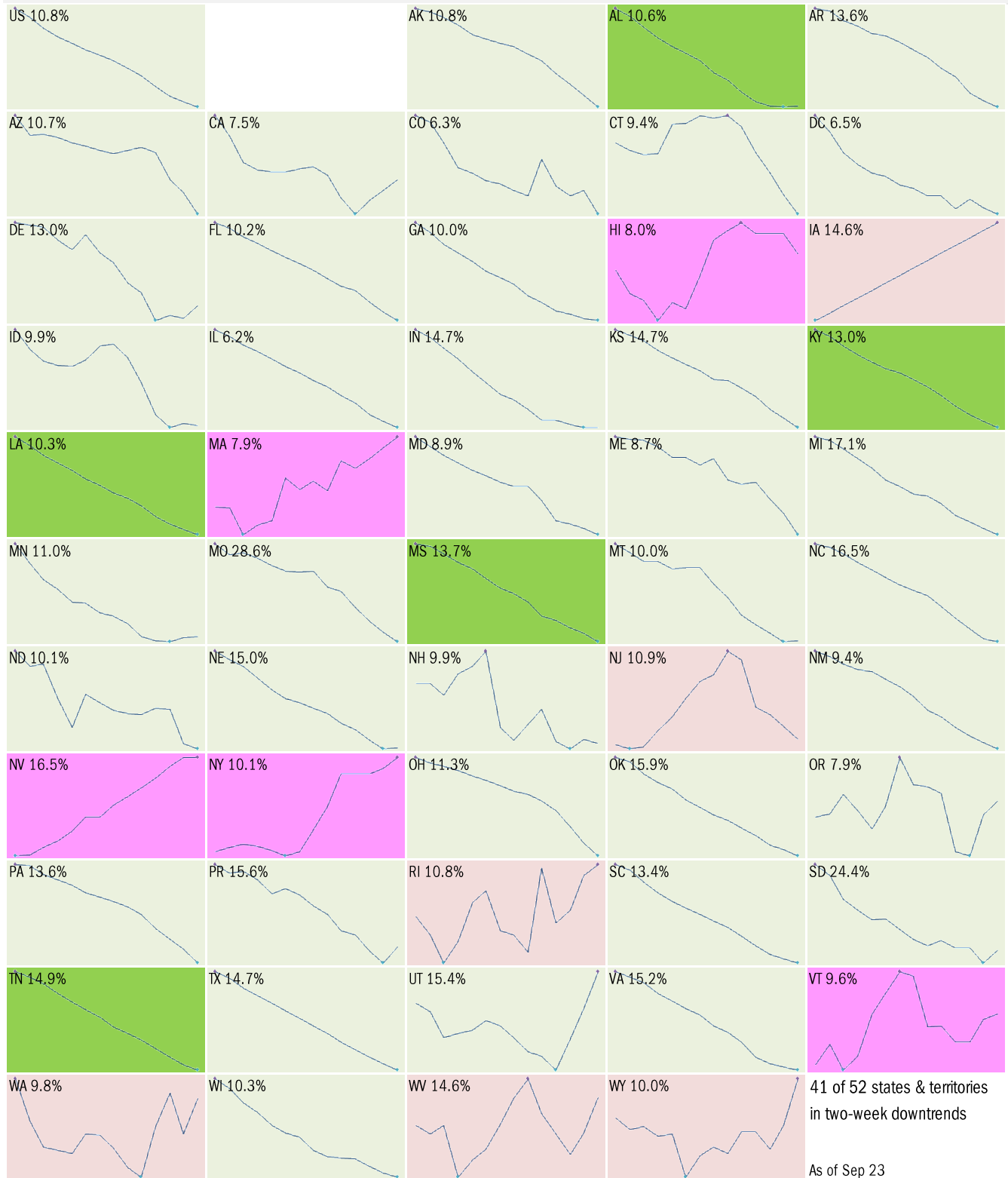


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

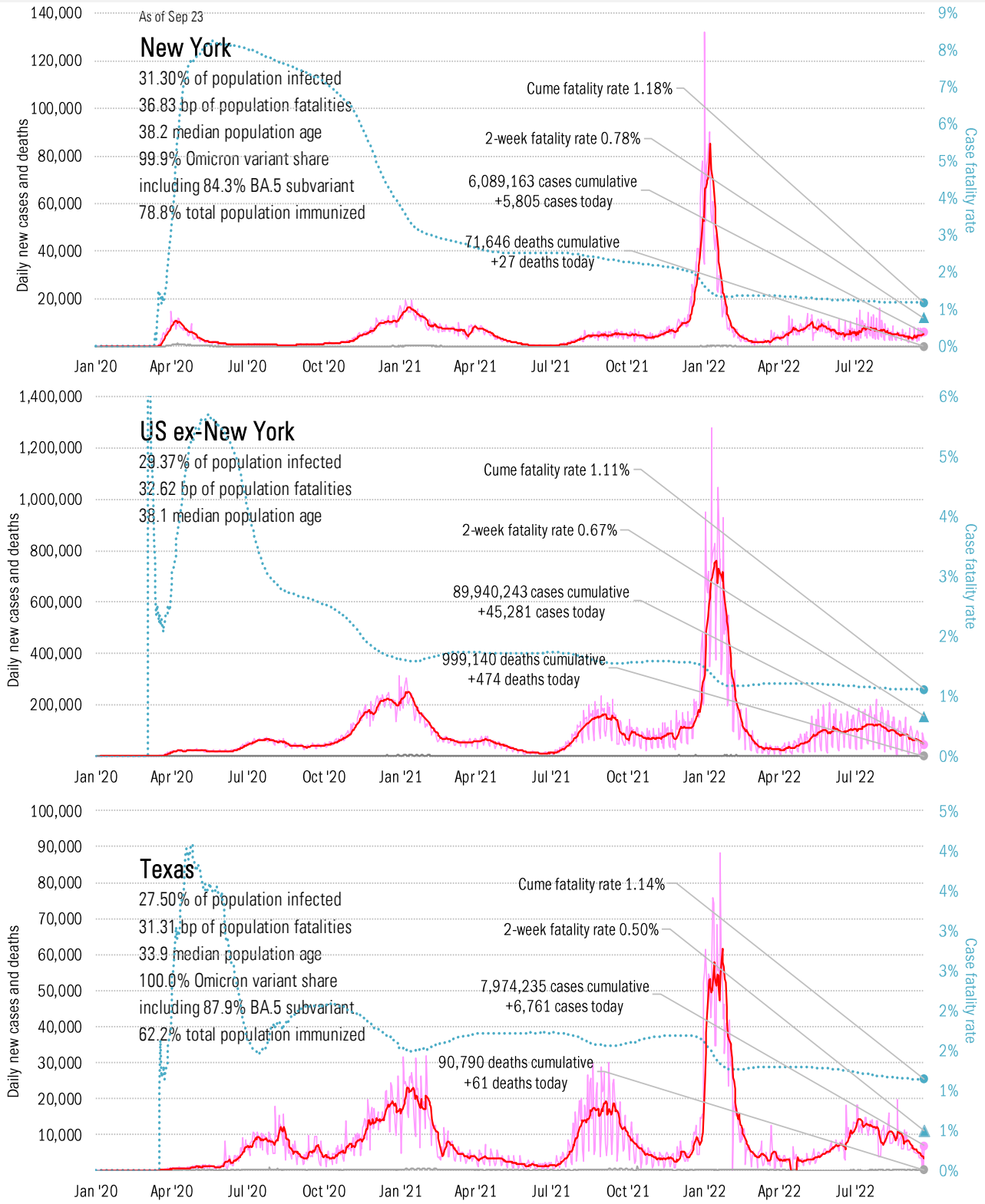
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

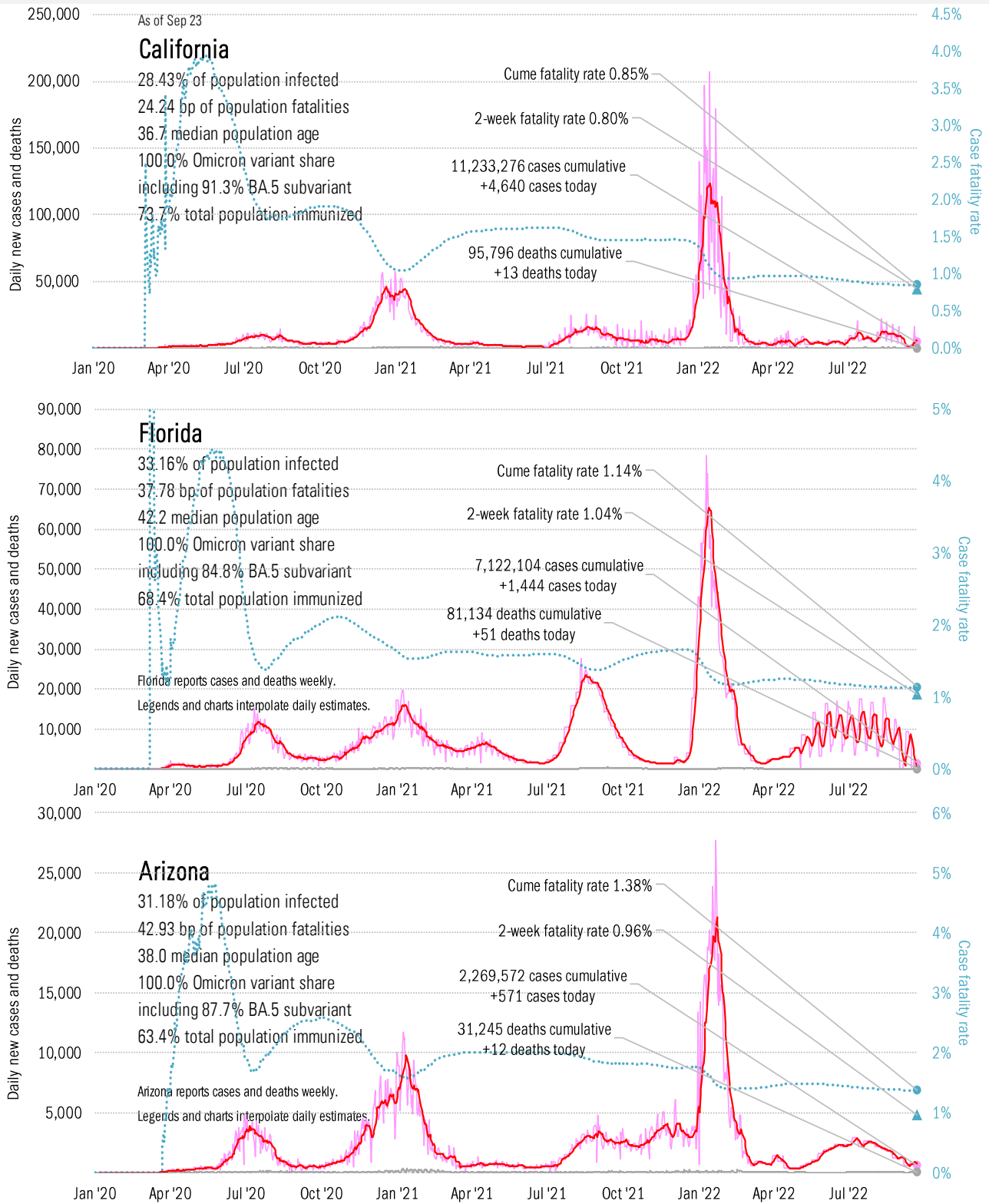
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

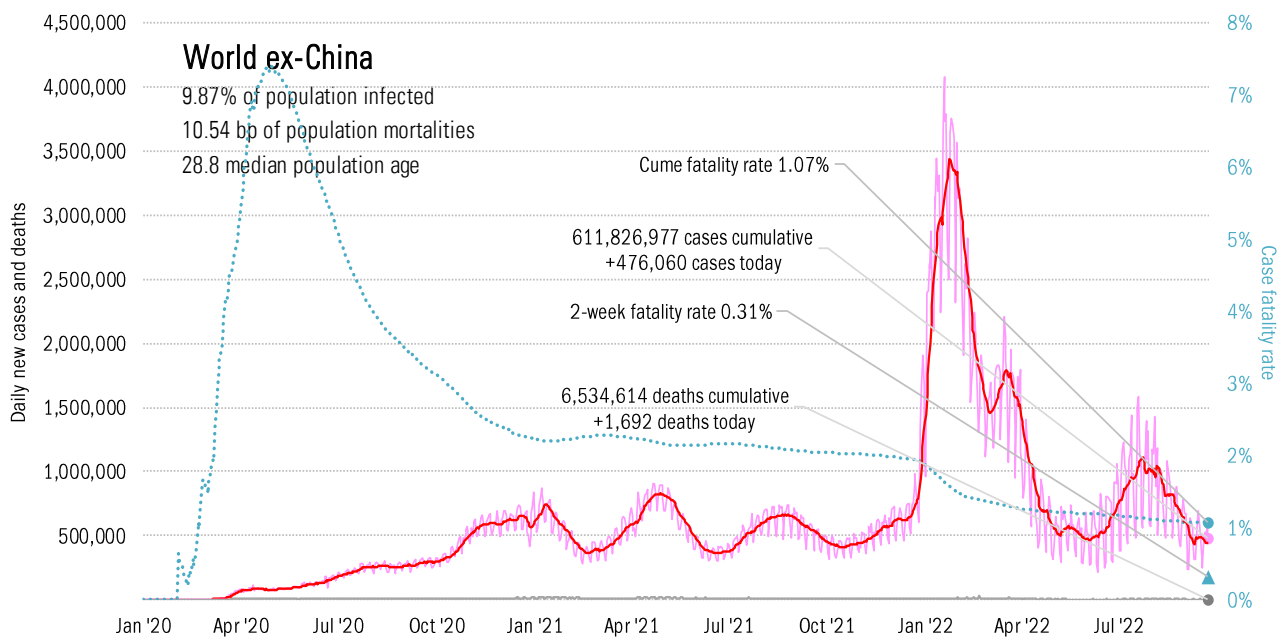
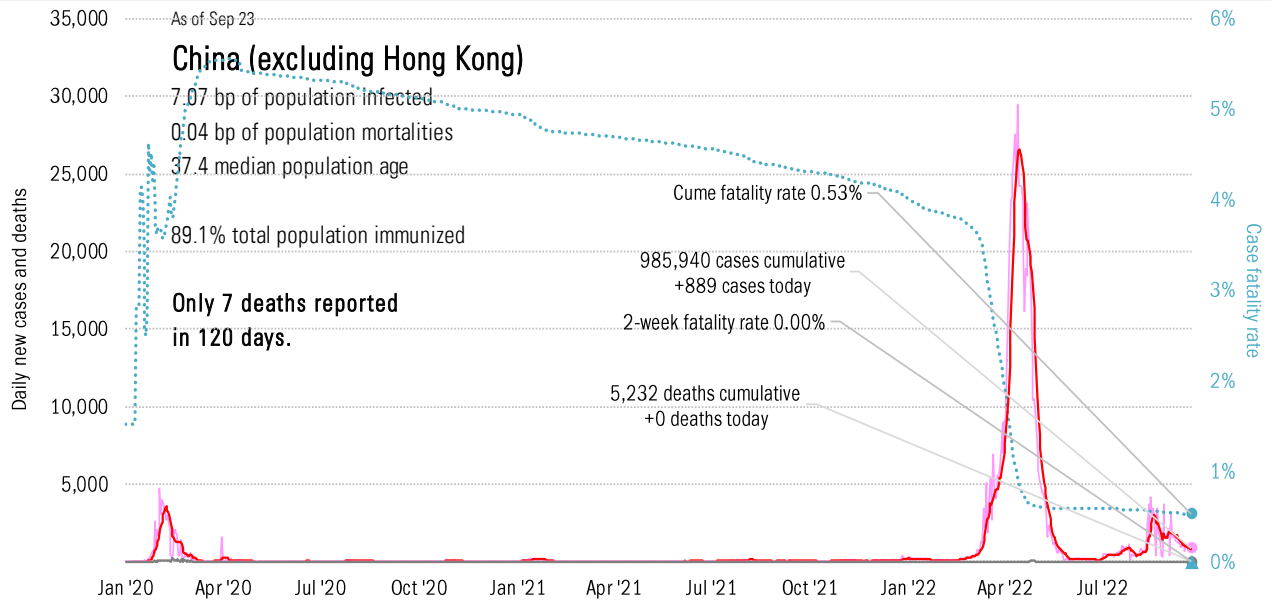
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

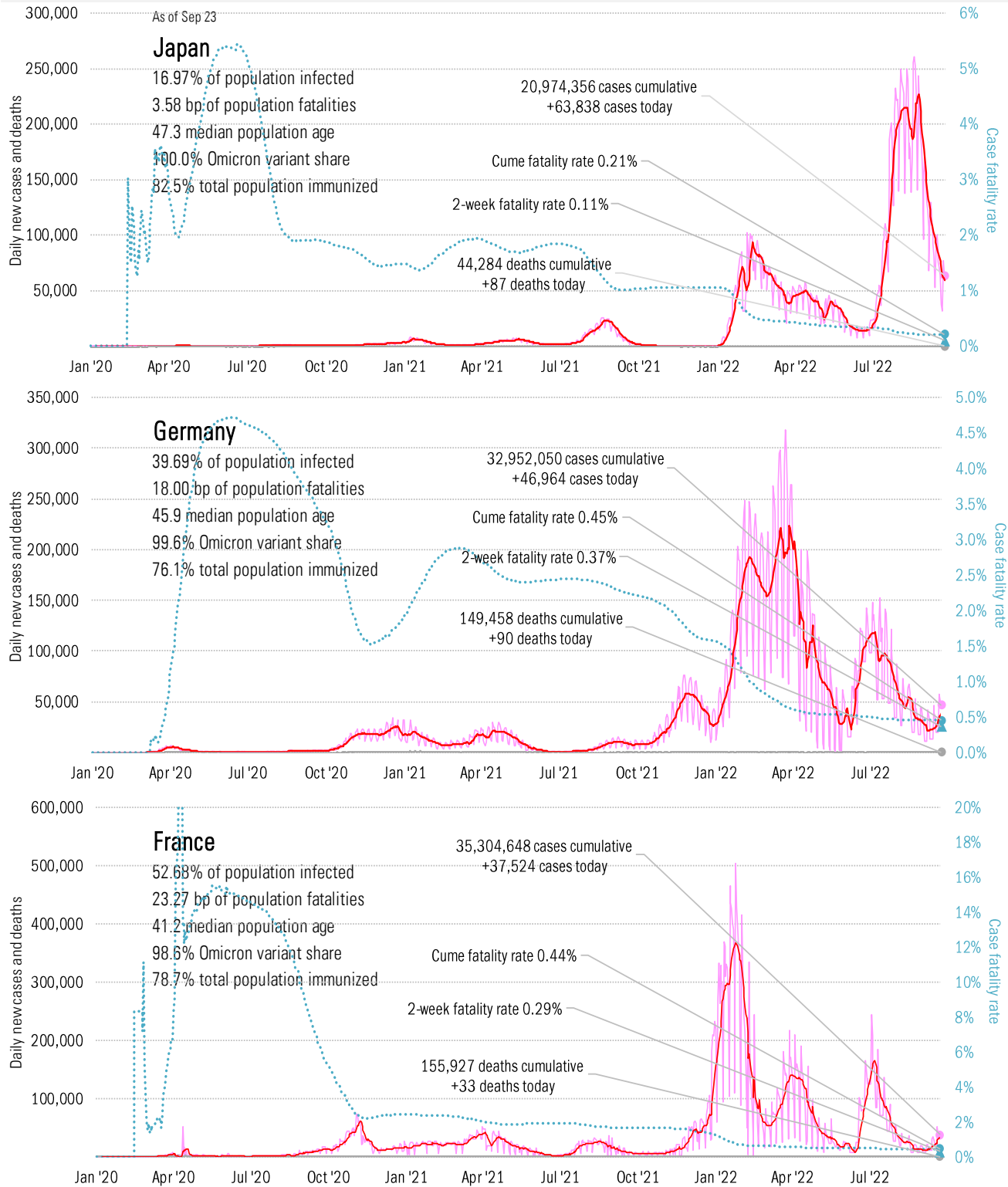
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

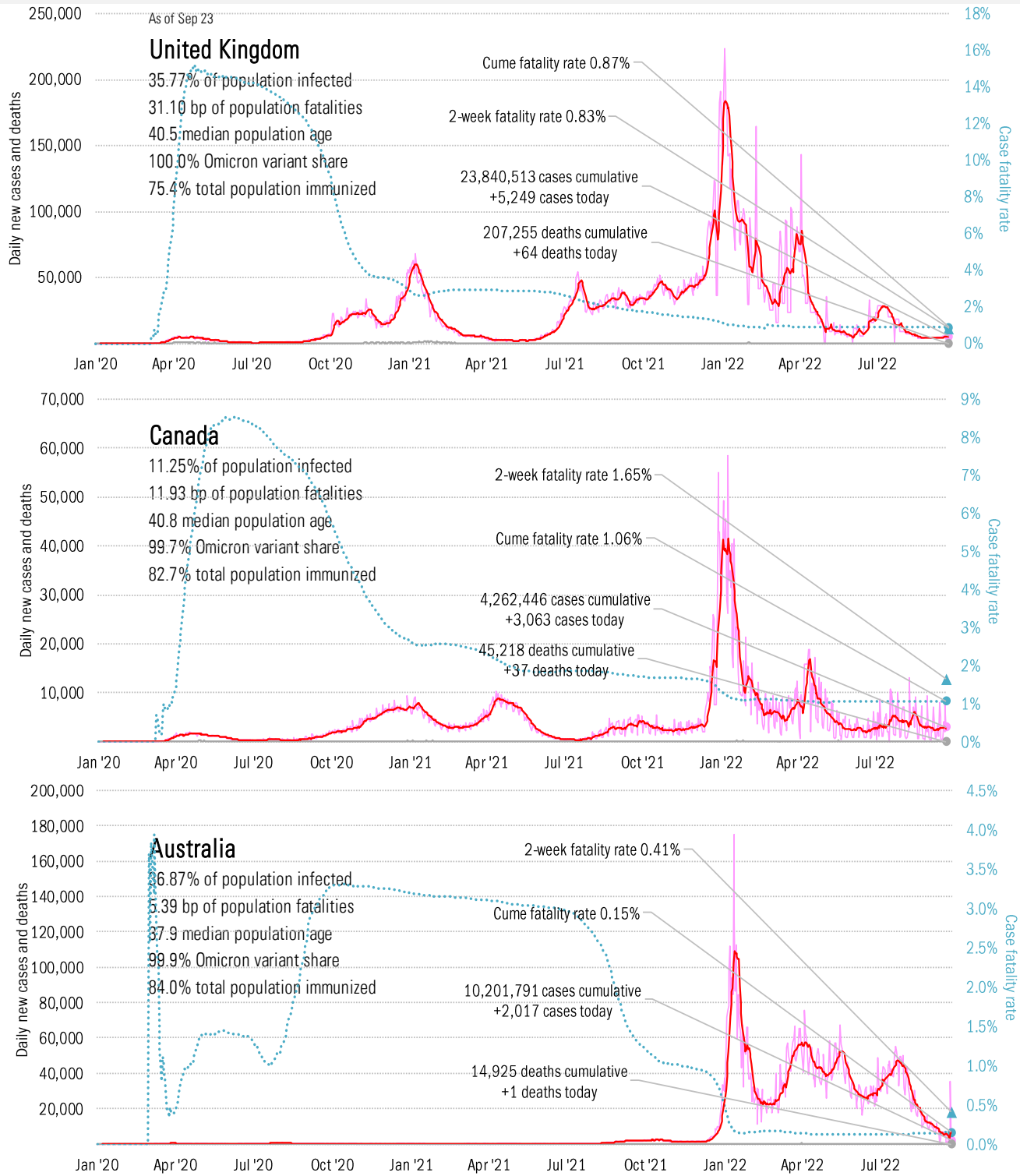
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

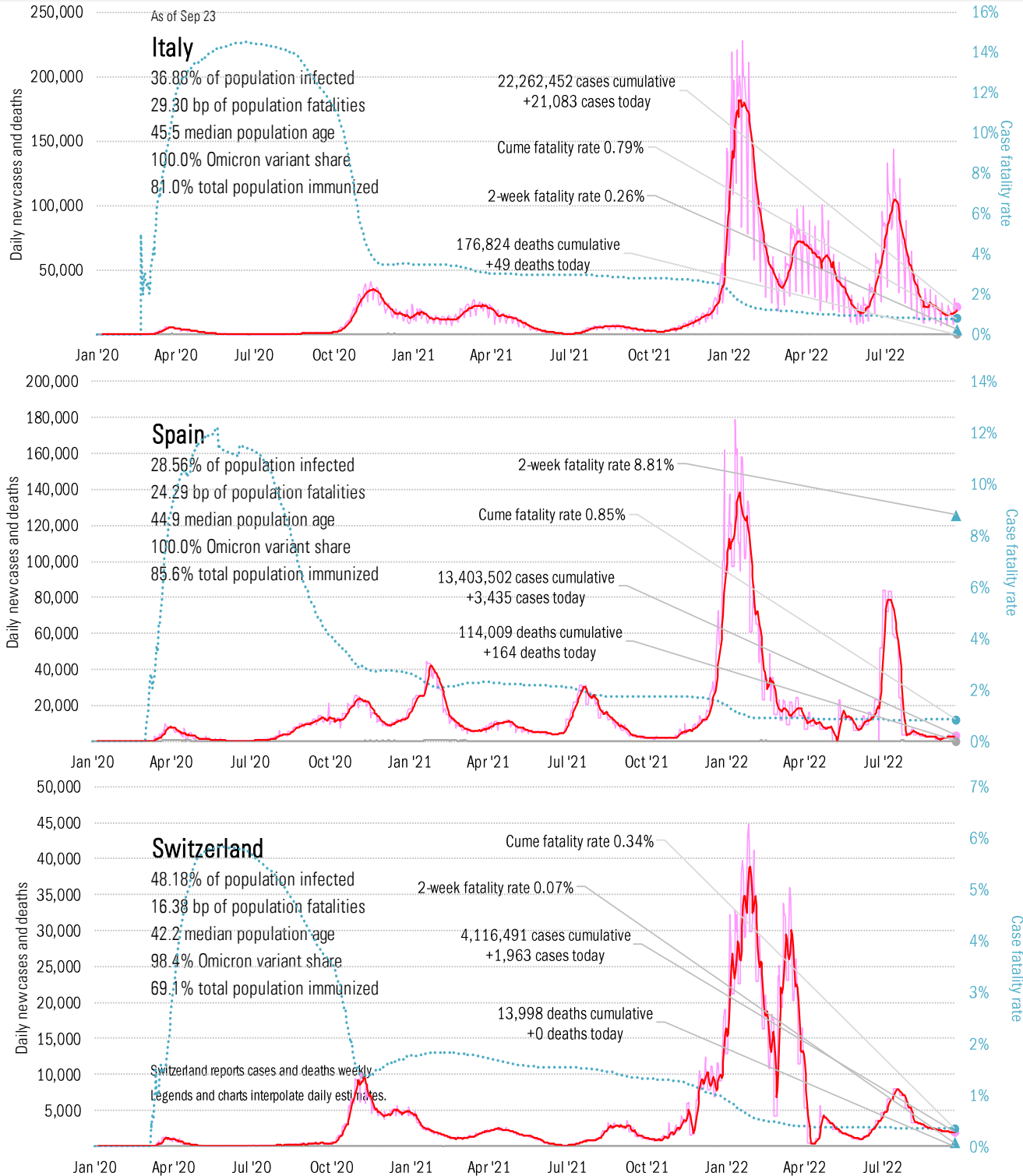
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

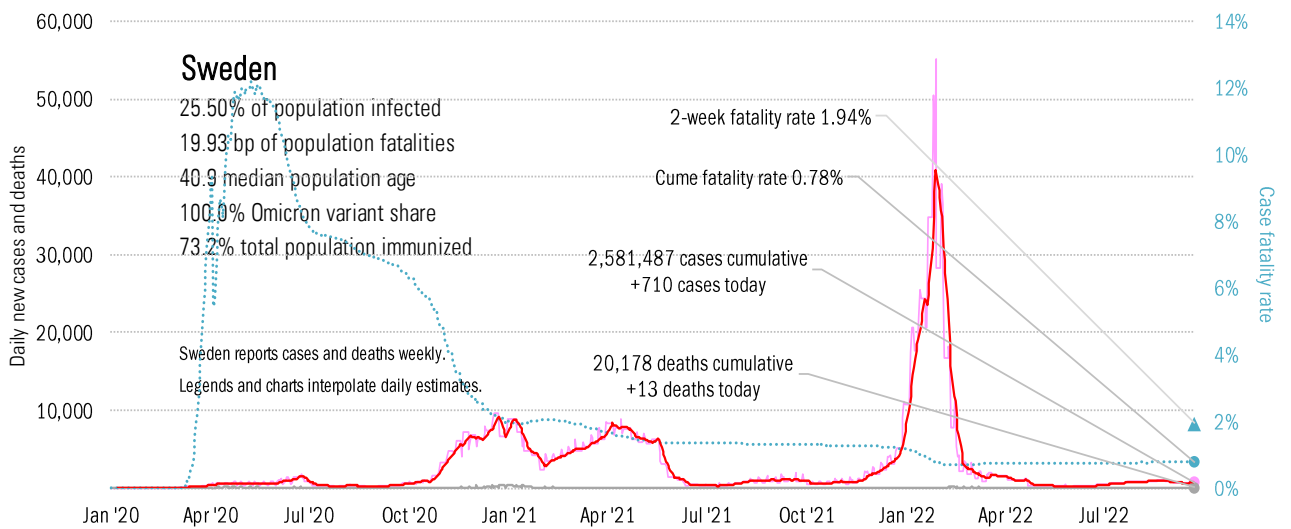
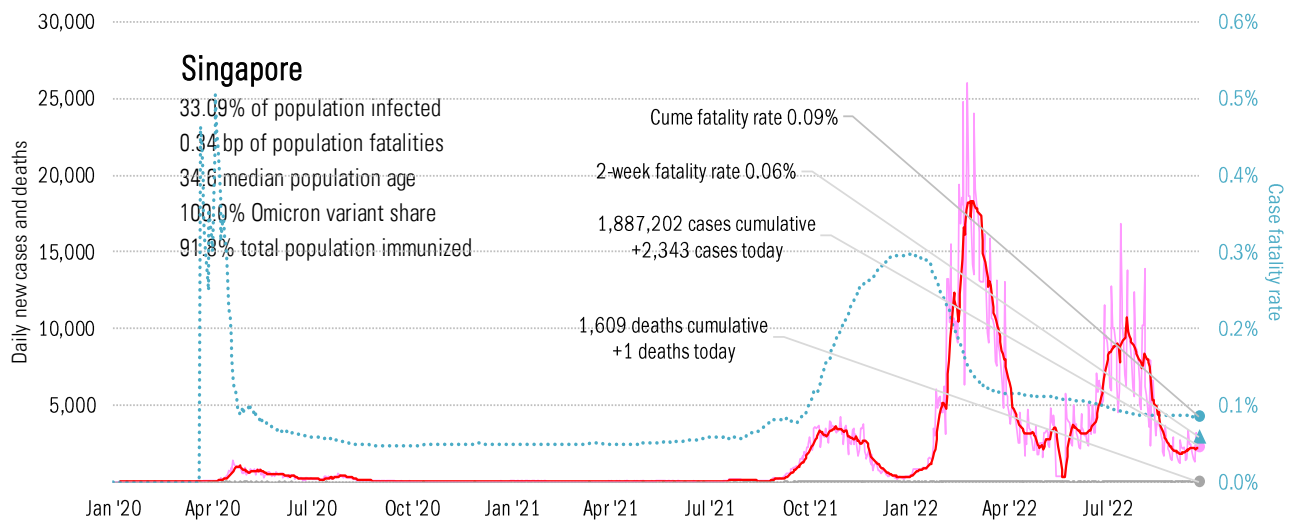
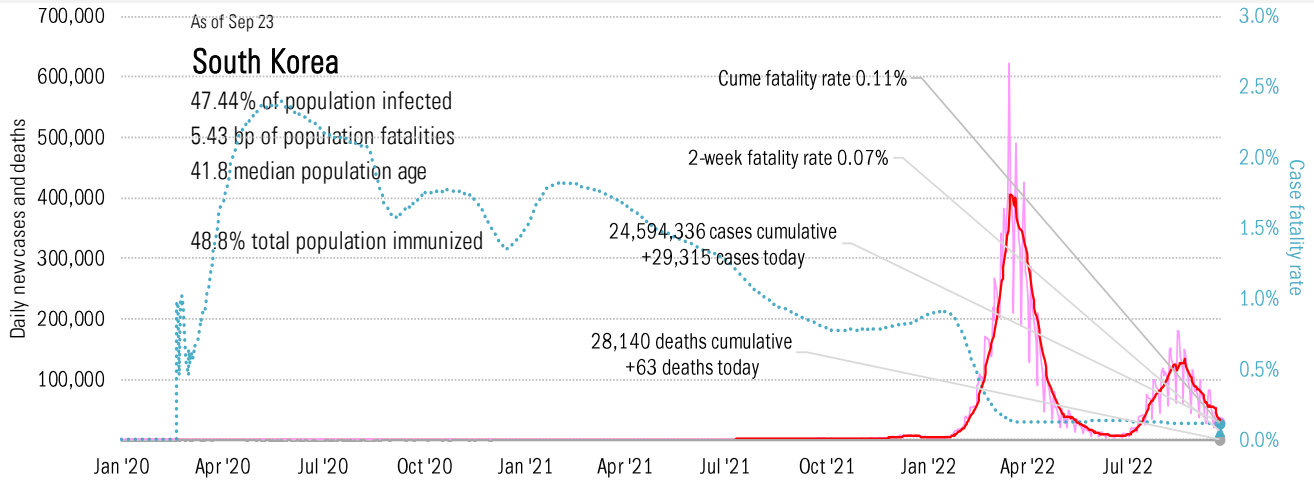
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

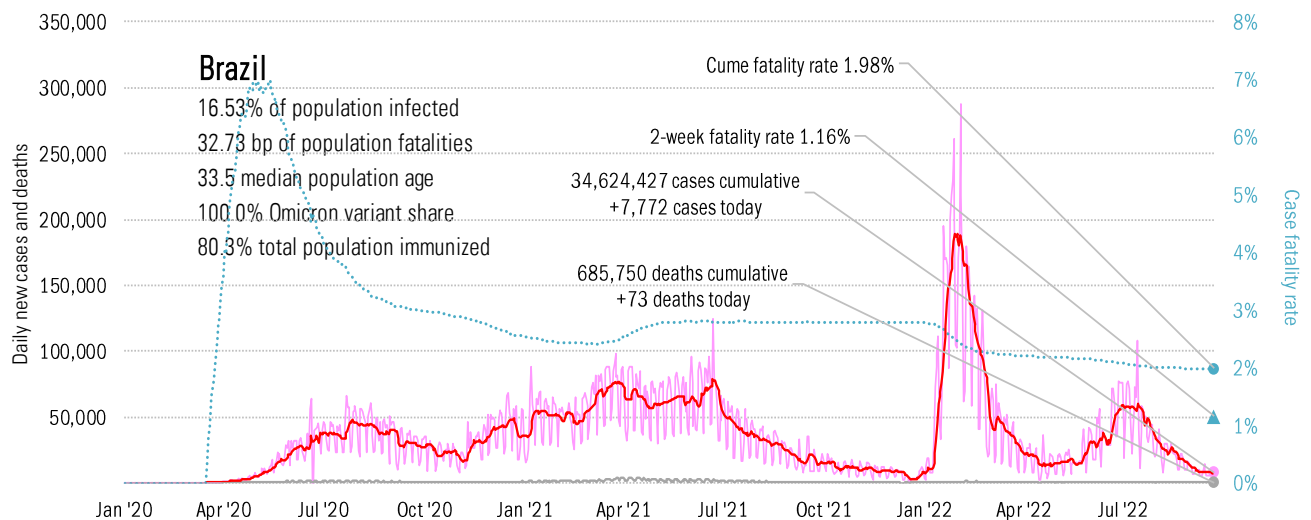
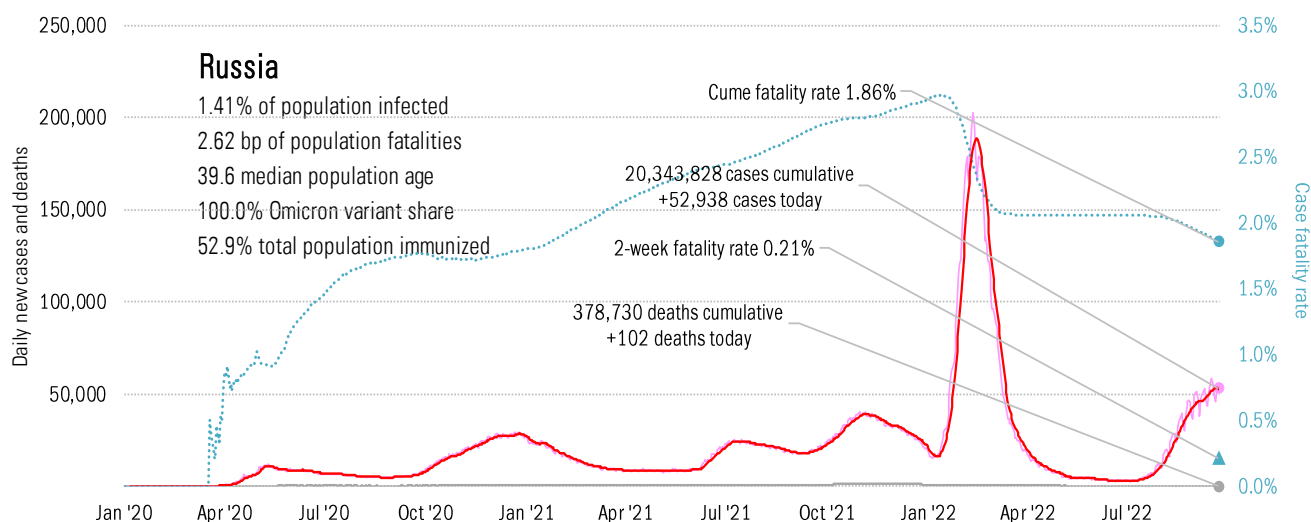
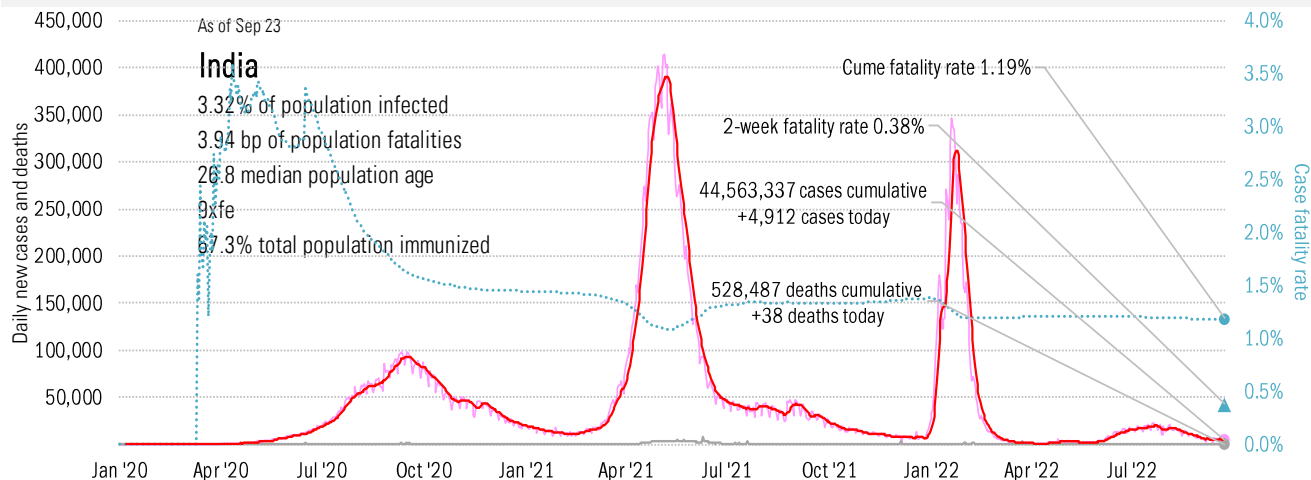
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

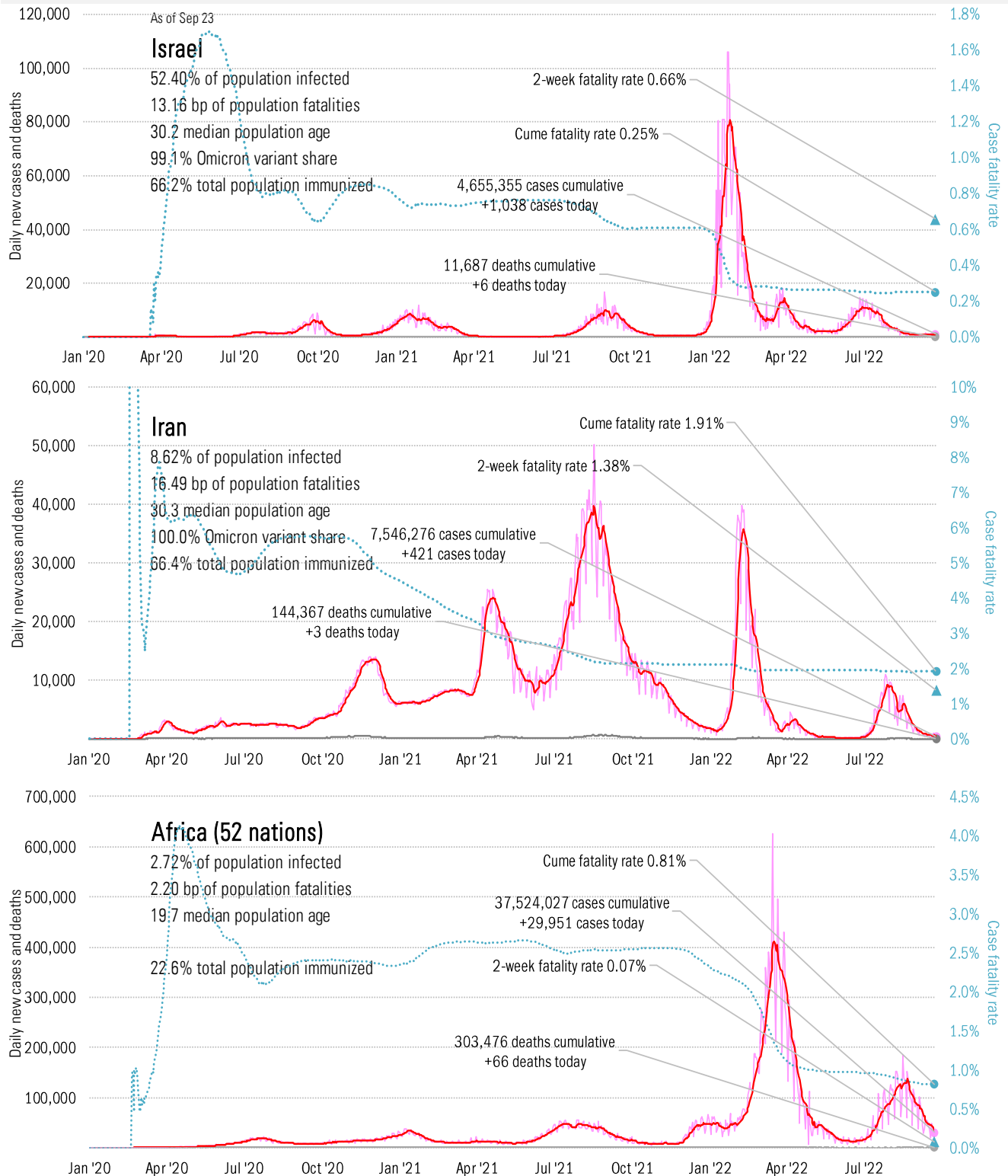
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

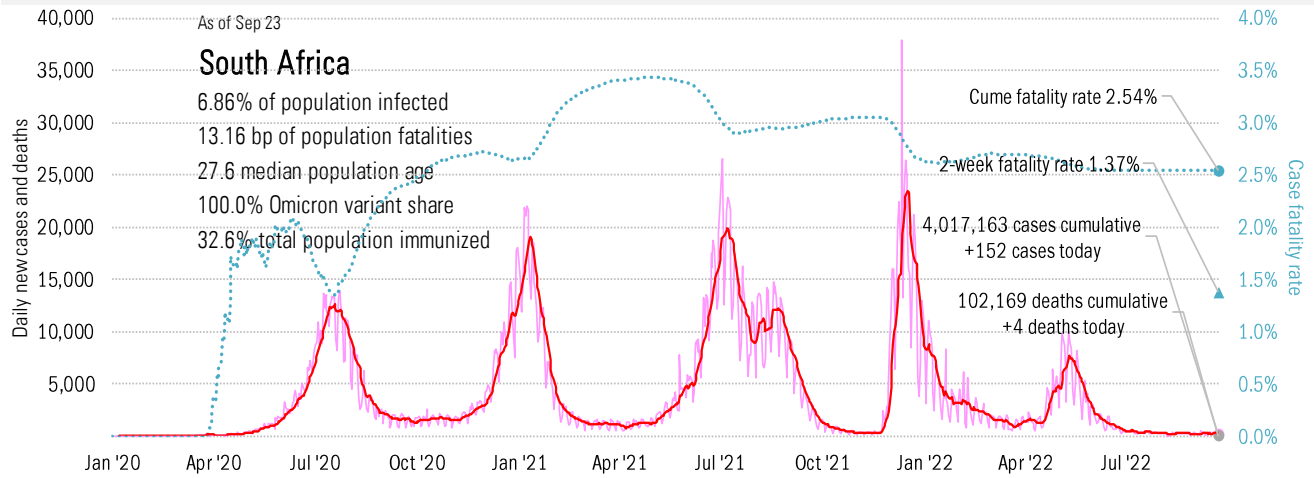
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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