

Data Insights: Covid-2019 Monitor

Monday, October 10, 2022

The global scorecard

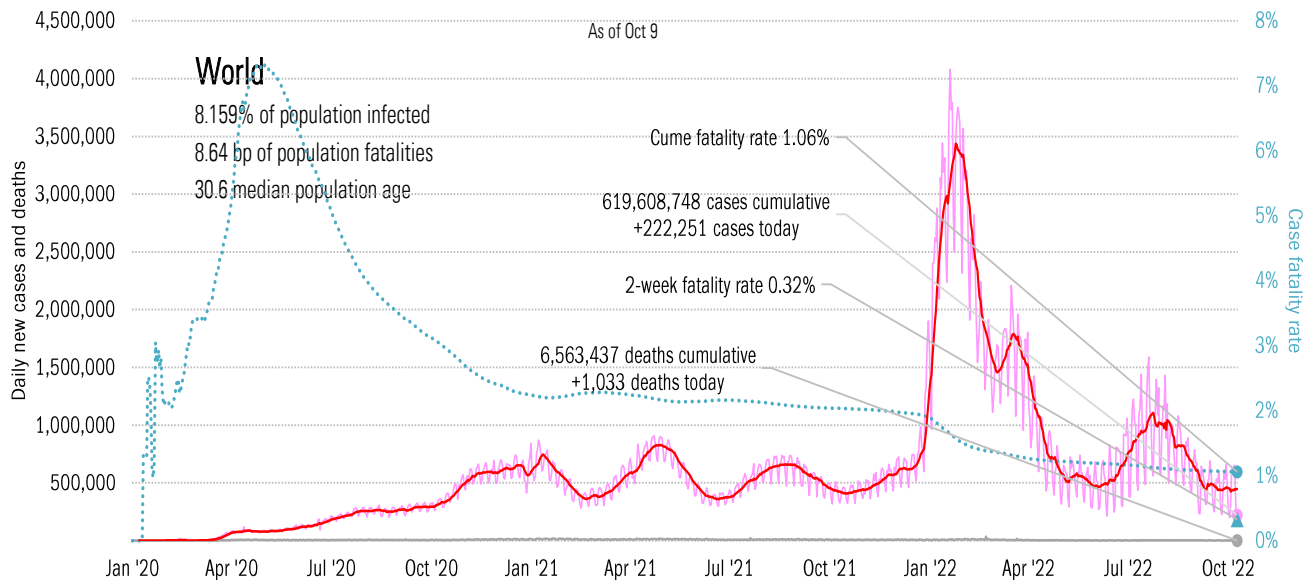
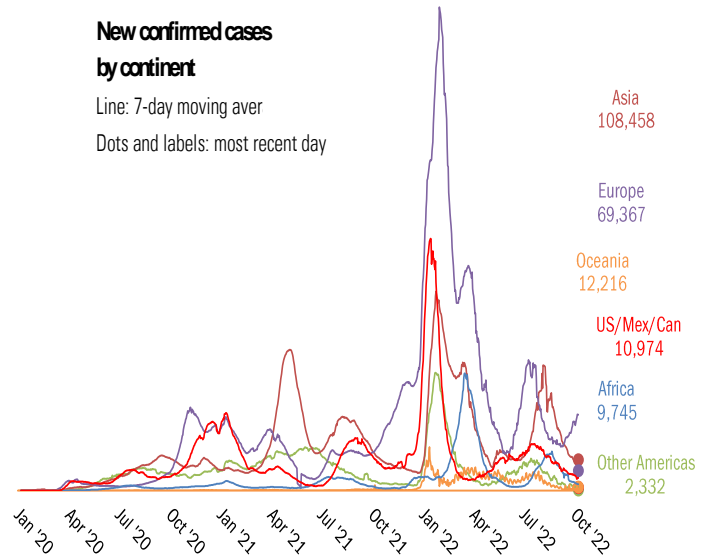
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	51,192	United States	605
Taiwan*	44,549	Russia	101
Italy	34,443	Taiwan*	62
Japan	22,796	Japan	57
Turkey	22,729	Italy	41
Russia	18,674	Turkey	40
Austria	12,175	Philippines	34
New Zealand	11,177	Korea, South	23
Korea, South	8,981	Argentina	21
Singapore	4,795	Chile	19
231,511		1,003	

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:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

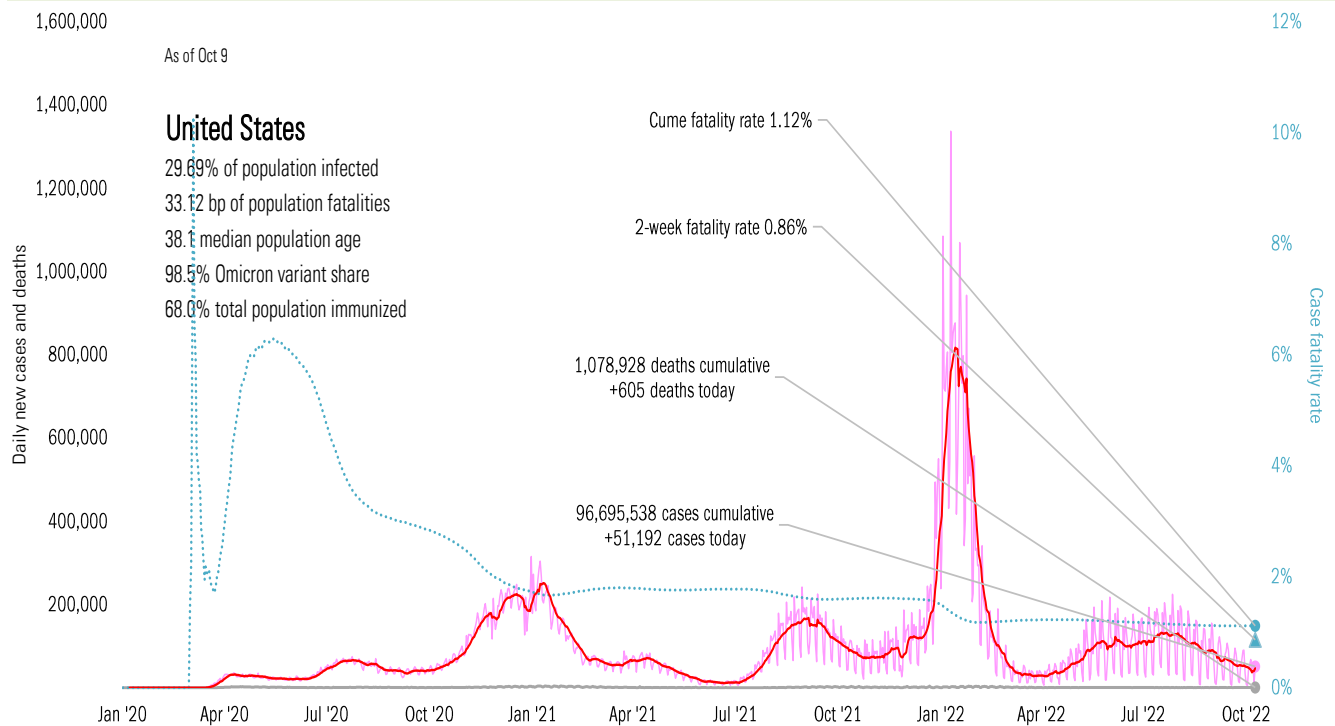
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	7,388		CA	84		NY	342		CA	11,296,777	CA	96,217	TX	547,420	RI	91%	RI	87%			
TX	4,121		TN	54		PA	247		TX	8,010,466	TX	91,017	CA	502,186	MA	89%	MA	87%			
MO	3,767		NC	47		TX	204		FL	7,166,432	FL	81,755	FL	495,188	MN	85%	AK	86%			
FL	3,227		IN	40		CT	87		NY	6,156,087	NY	71,986	NY	302,526	WA	84%	NH	85%			
KY	3,204		FL	35		WI	79		IL	3,773,667	PA	47,323	GA	226,325	GA	83%	DC	84%			
NY	2,416		TX	35		WA	68		PA	3,266,934	GA	40,374	CH	219,437	MO	83%	AL	83%			
IL	1,922		NY	32		MN	73		NC	3,210,837	CH	39,950	PA	205,365	DE	83%	NC	83%			
MI	1,840		AR	25		AR	37		CH	3,153,743	IL	39,777	IL	187,844	WV	83%	TX	82%			
PA	1,731		WA	22		AZ	43		GA	2,909,760	MI	38,767	MI	163,732	DC	83%	WA	80%			
NC	1,710		MI	20		NJ	145		MI	2,849,047	NJ	34,791	KY	145,509	AK	81%	NM	80%			
31,326			394			1,325			51,793,750			581,957			2,995,532						
All states	51,192		605		3,345			All states	96,695,538	1,078,928		5,435,935		All states	70%	67%					
Top ten	61%		65%		40%			Top ten	54%	55%		55%		Median	75%	75%					

Some states not reporting

Five most improved US states

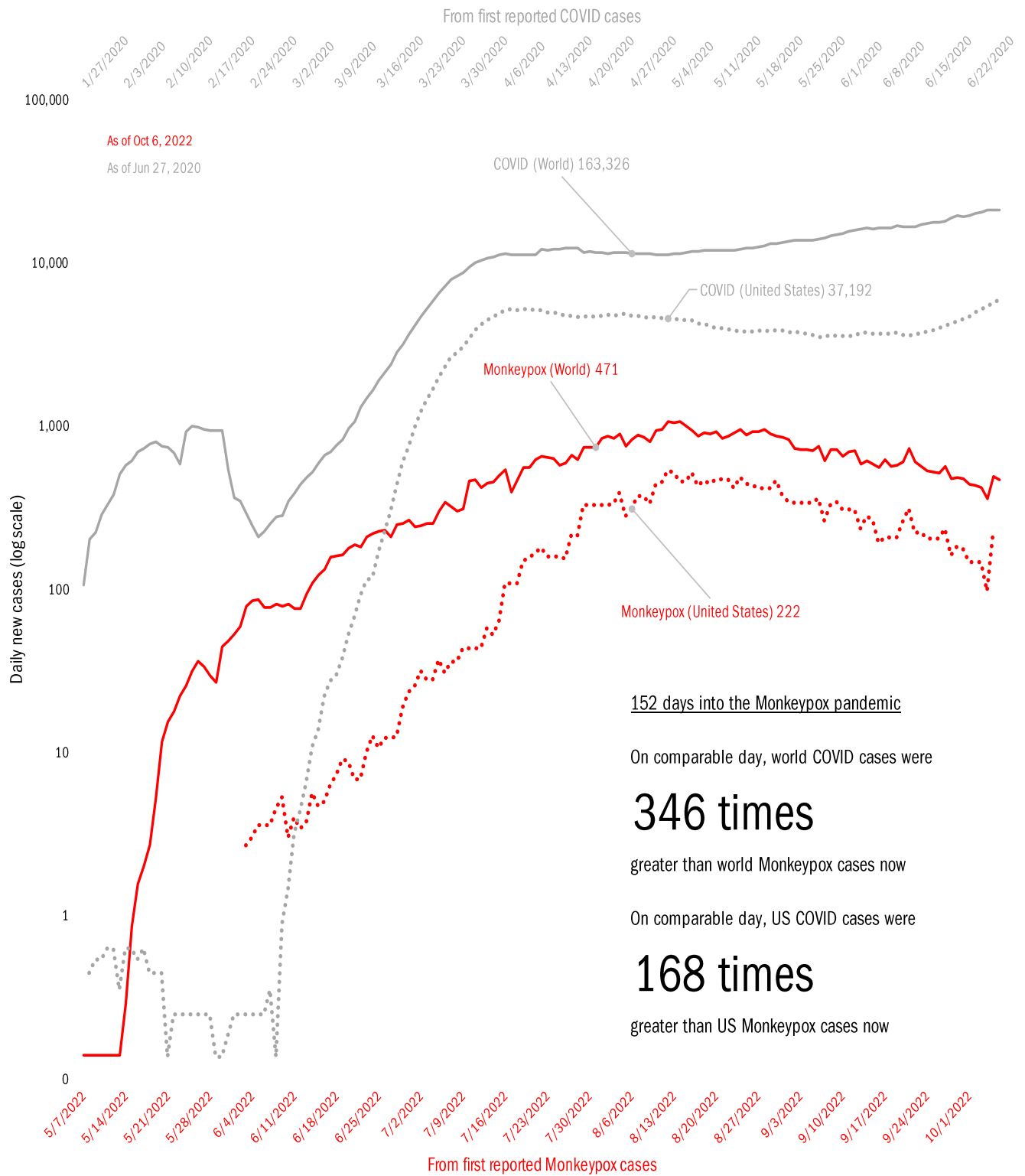
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NJ	-874	NJ	-9	IN	-42
NY	-507	NH	-1	MI	-39
CT	-262	UT	-1	MA	-37
AR	-195	AK	0	DC	-26
AK	0	AL	0	VA	-18



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

The Monkeypox contextualizer

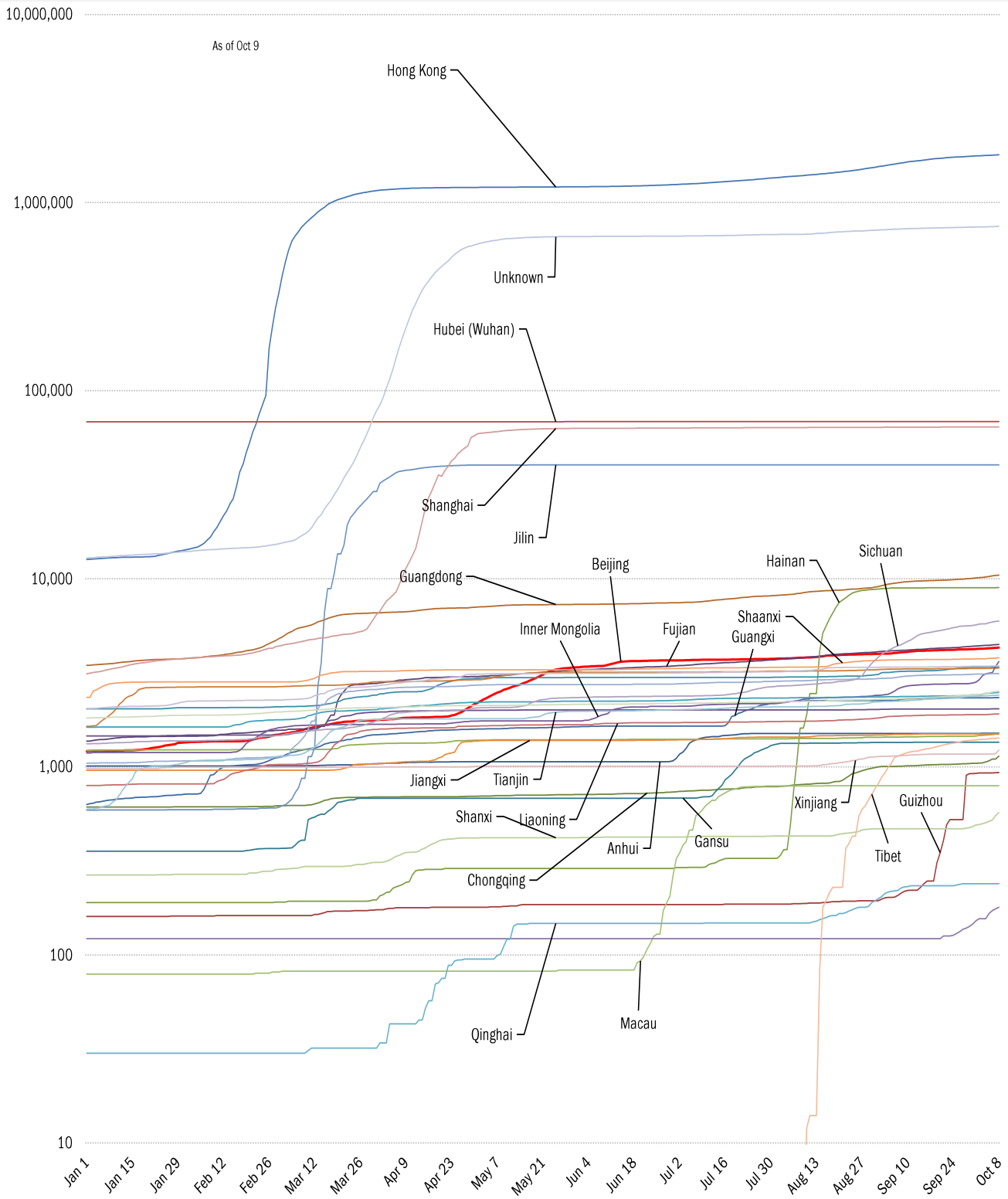
The course of case growth versus COVID



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"

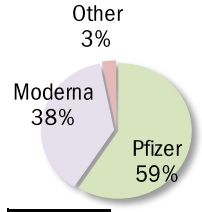


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	639,829,441		+0.646 million	US	68.0%	79.7%
of which boosters	112,806,473		+0.097 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	272,769,462	82%	232,566,440	70%	+0.103 million	France 78.7% 80.9%
Age 12 to 17	18,239,142	72%	15,598,069	62%	+0.005 million	Spain 85.6% 87.0%
Age 18 to 64	181,807,769	89%	154,688,903	76%	+0.070 million	Germany 76.1% 77.7%
Age 65 and over	60,054,982	100%	52,589,623	96%	+0.018 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.8% 87.6%
						Japan 82.6% 83.6%
						Africa 23.3% 29.4%
						India 67.4% 72.9%
						Brazil 80.4% 87.4%
						China 89.2% 91.4%



AK	71.8%
	64.3%

State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

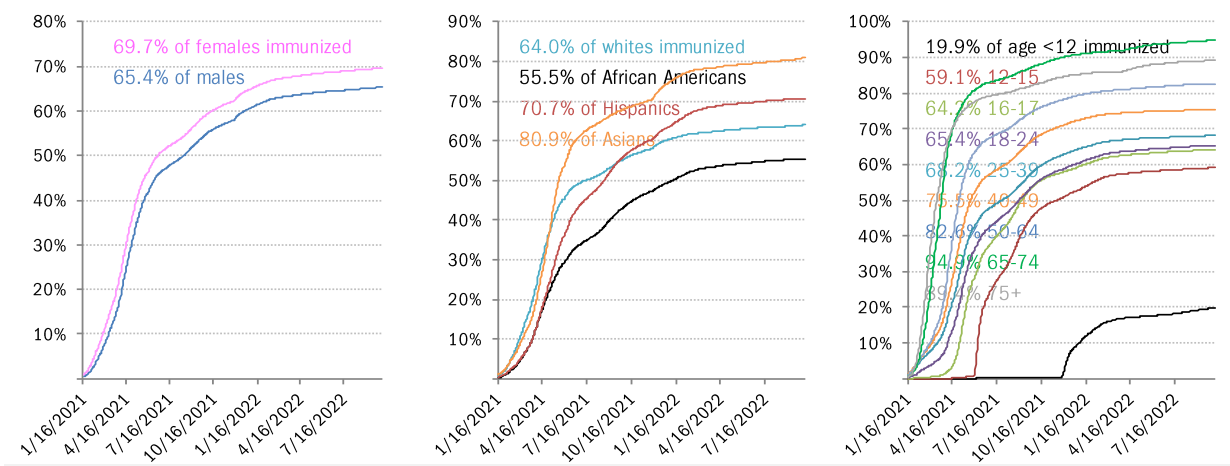
"Immunity" = two doses

Global data differs due to sources, timing

As of Oct 7

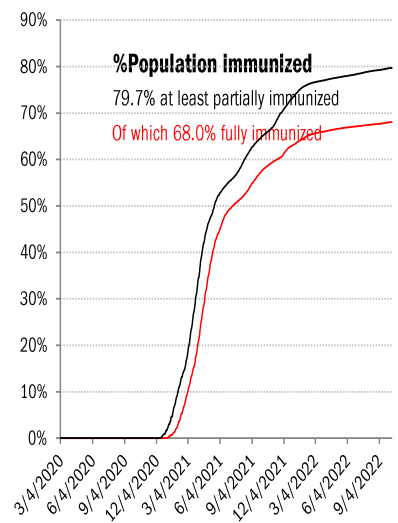
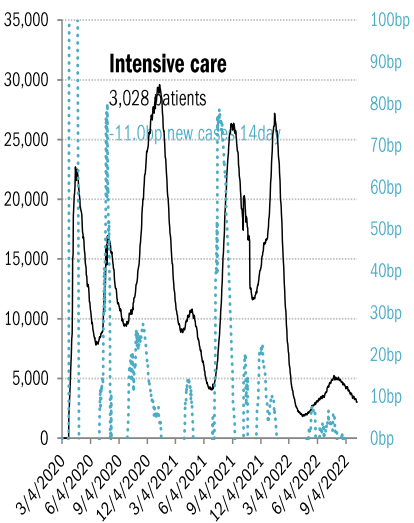
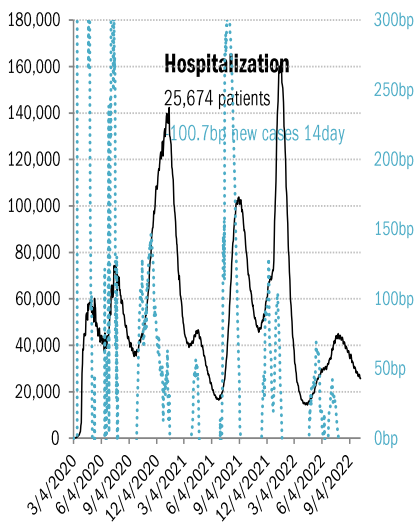
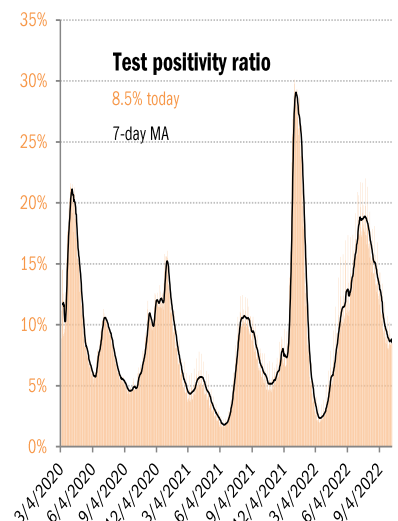
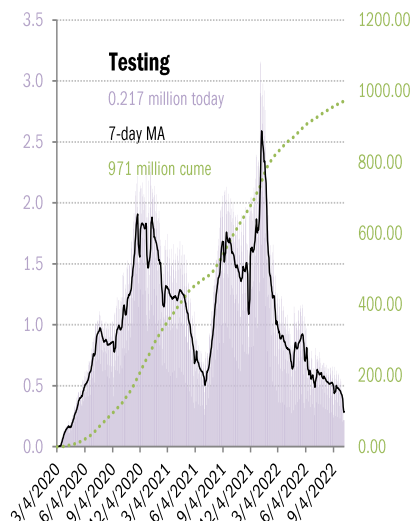
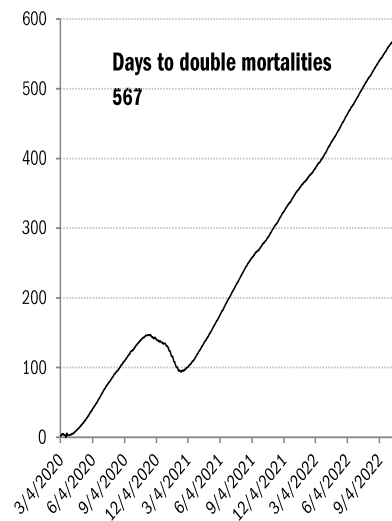
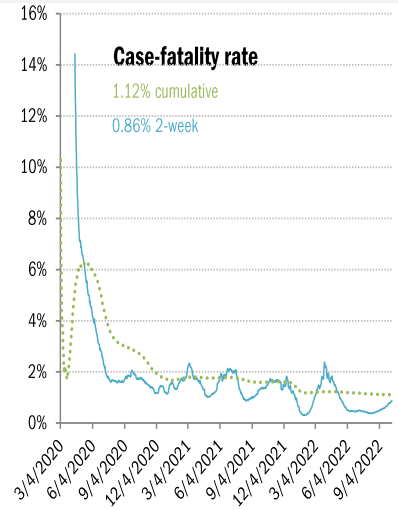
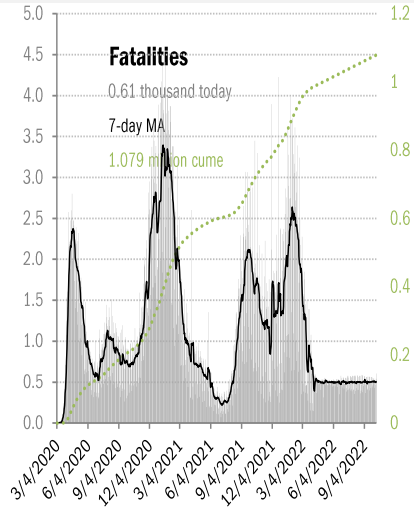
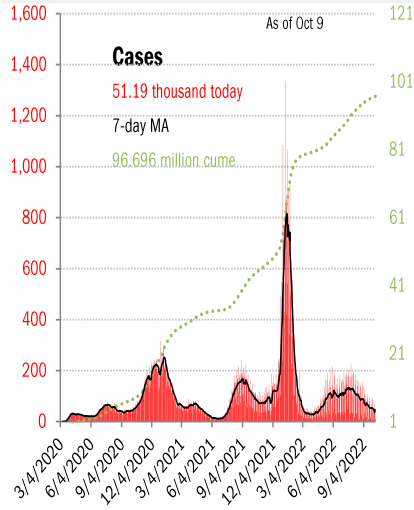
					WI						ME
					73.6%						93.8%
					67.0%						81.8%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.4%	62.8%	66.9%	67.6%	77.3%	77.9%	68.5%			92.6%	95.0%	84.4%
74.5%	55.5%	58.2%	57.2%	70.8%	70.2%	61.4%			79.1%	83.5%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
79.9%	77.4%	59.6%	80.4%	69.5%	63.4%	64.8%	88.1%		93.0%	95.0%	
71.1%	62.4%	52.2%	64.4%	63.3%	57.1%	59.6%	71.2%		77.7%	81.8%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
84.6%	74.1%	82.0%	72.1%	68.0%	67.8%	66.6%	88.5%		89.6%	95.0%	95.0%
74.0%	65.7%	72.1%	65.1%	57.8%	58.7%	59.0%	75.2%		78.0%	81.4%	85.7%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.1%	91.2%	74.6%	68.6%	63.7%	88.6%	69.7%		95.0%	86.0%	
	63.6%	73.3%	63.9%	55.9%	55.7%	64.5%	58.8%		81.1%	71.6%	
			OK	LA	MS	AL	GA				
			73.2%	62.2%	61.1%	64.2%	67.2%				
			59.2%	54.6%	53.2%	52.4%	56.3%				
			TX						FL		PR
			74.9%						81.3%		95.0%
			62.3%						68.5%		85.5%

The demographics of US vaccination

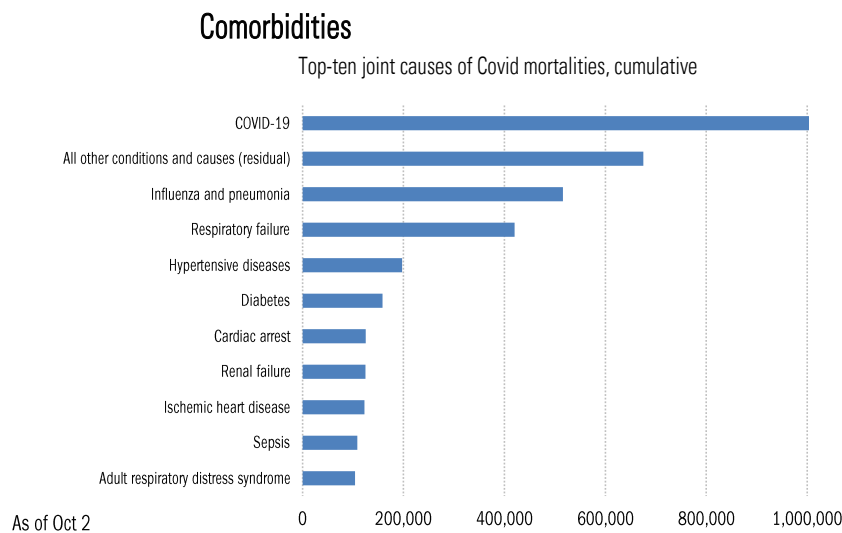
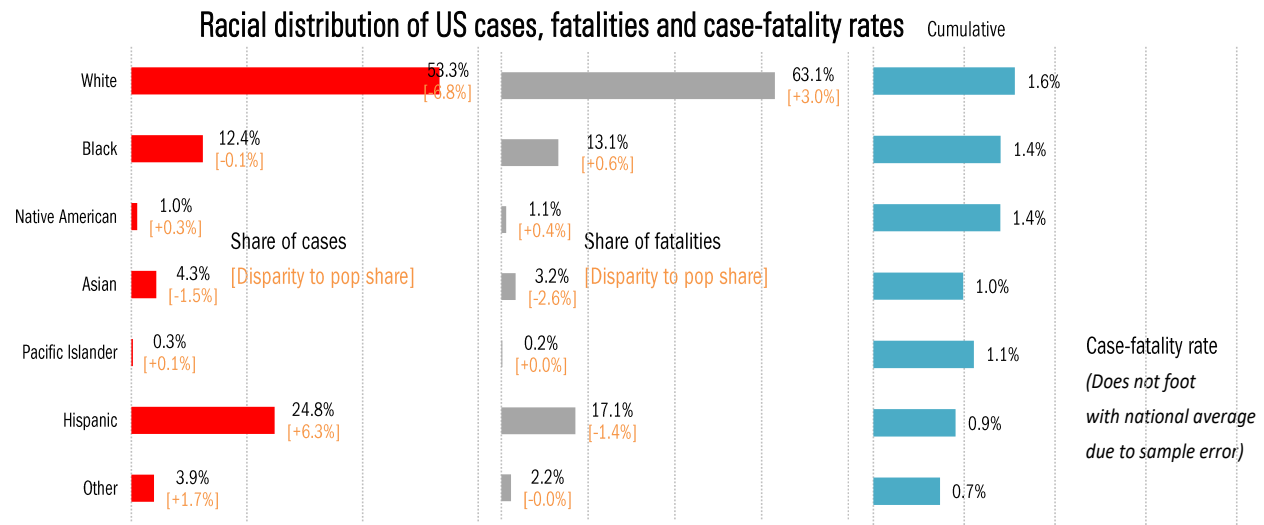
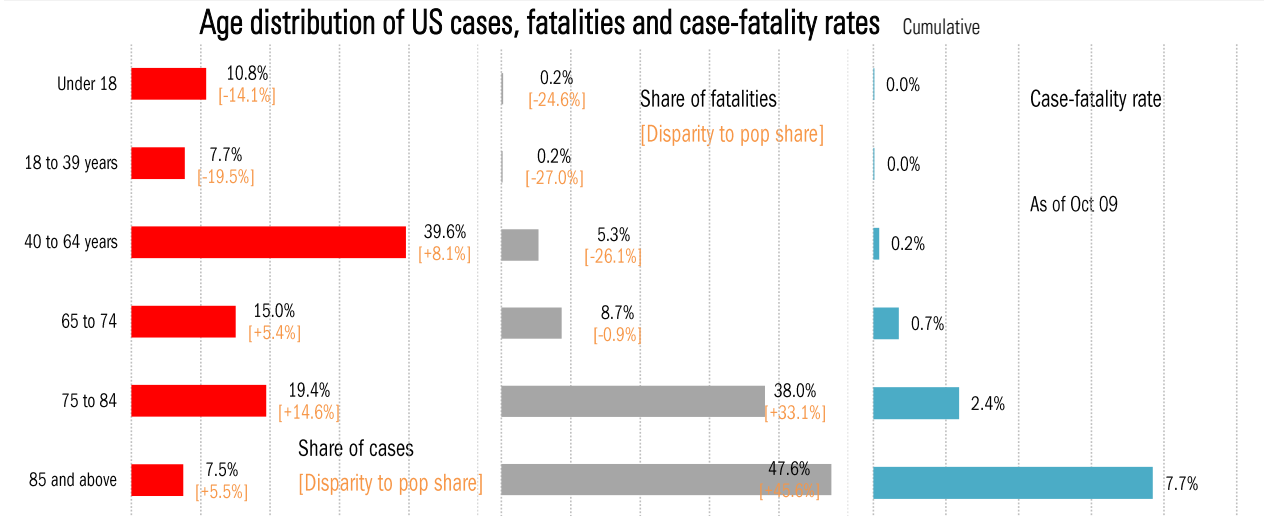


Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive



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



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

[The CDC Scientist Who Couldn't Get Monkeypox Treatment](#)

Anna Maria Barry-Jester
Pro Publica
October 5, 2022

[Fauci Farewell](#)

Lloyd Billingsley
American Greatness
October 9, 2022

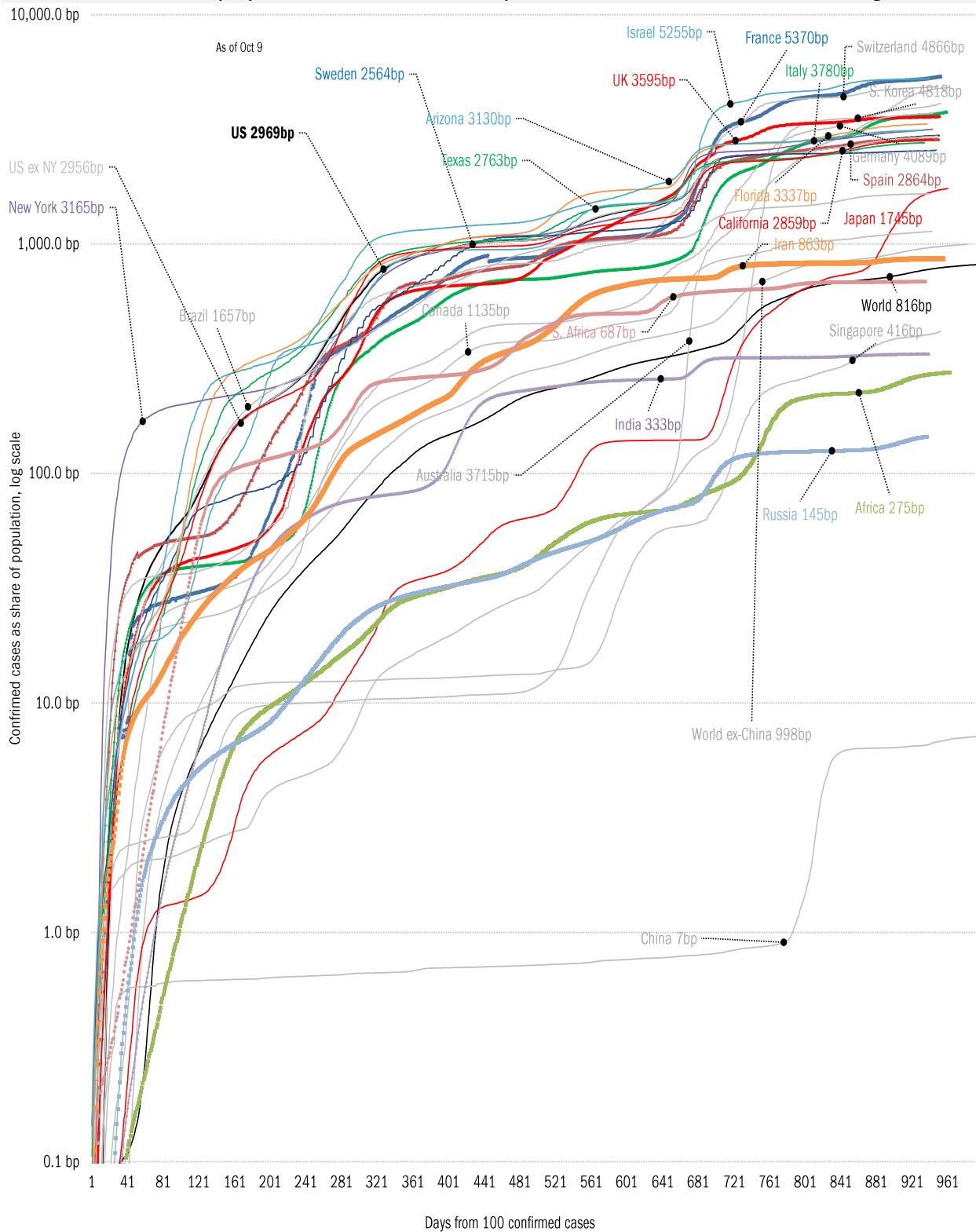
Meme of the day



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

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

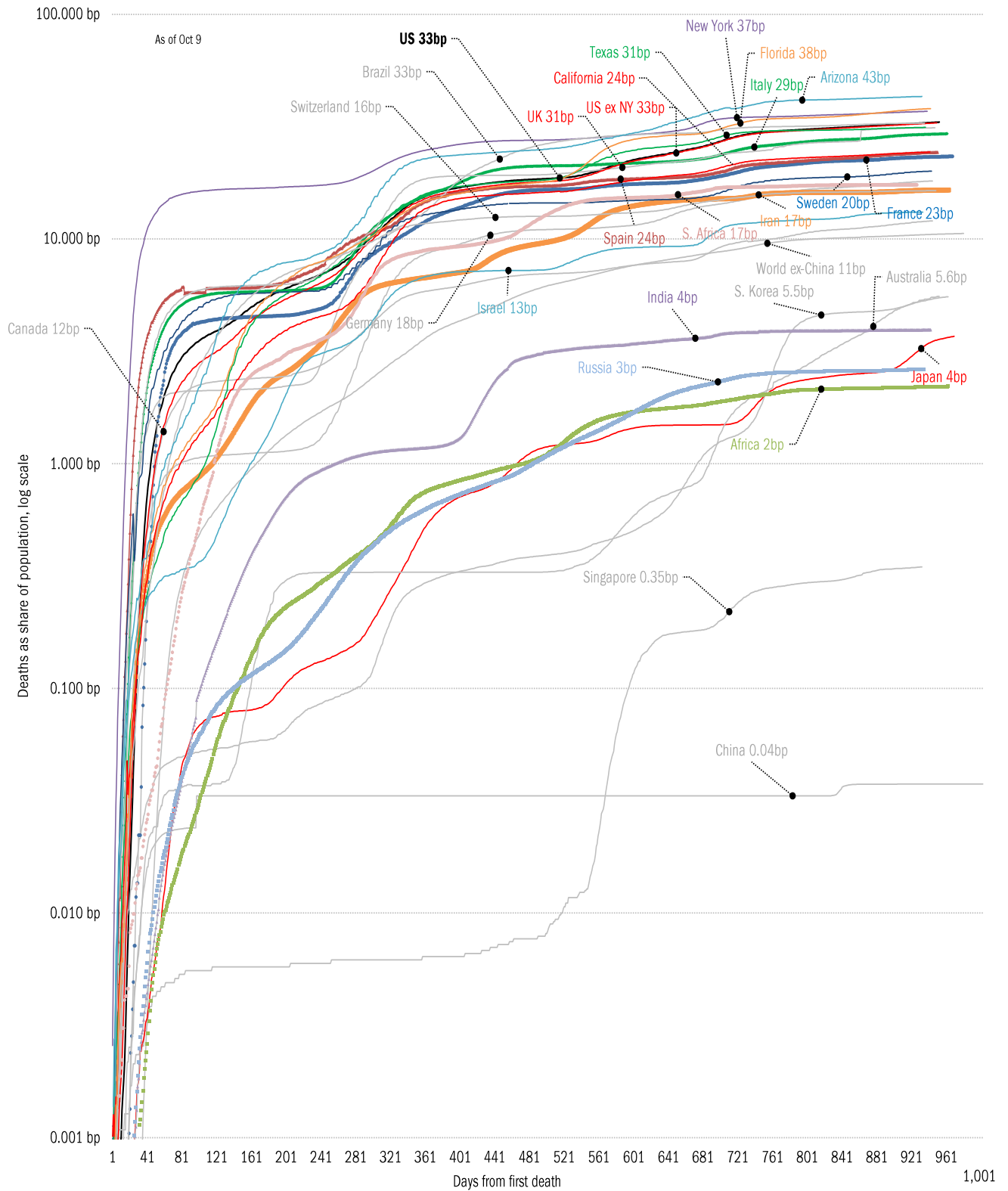
Share of infected population from first day with 100 confirmed cases, log scale



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

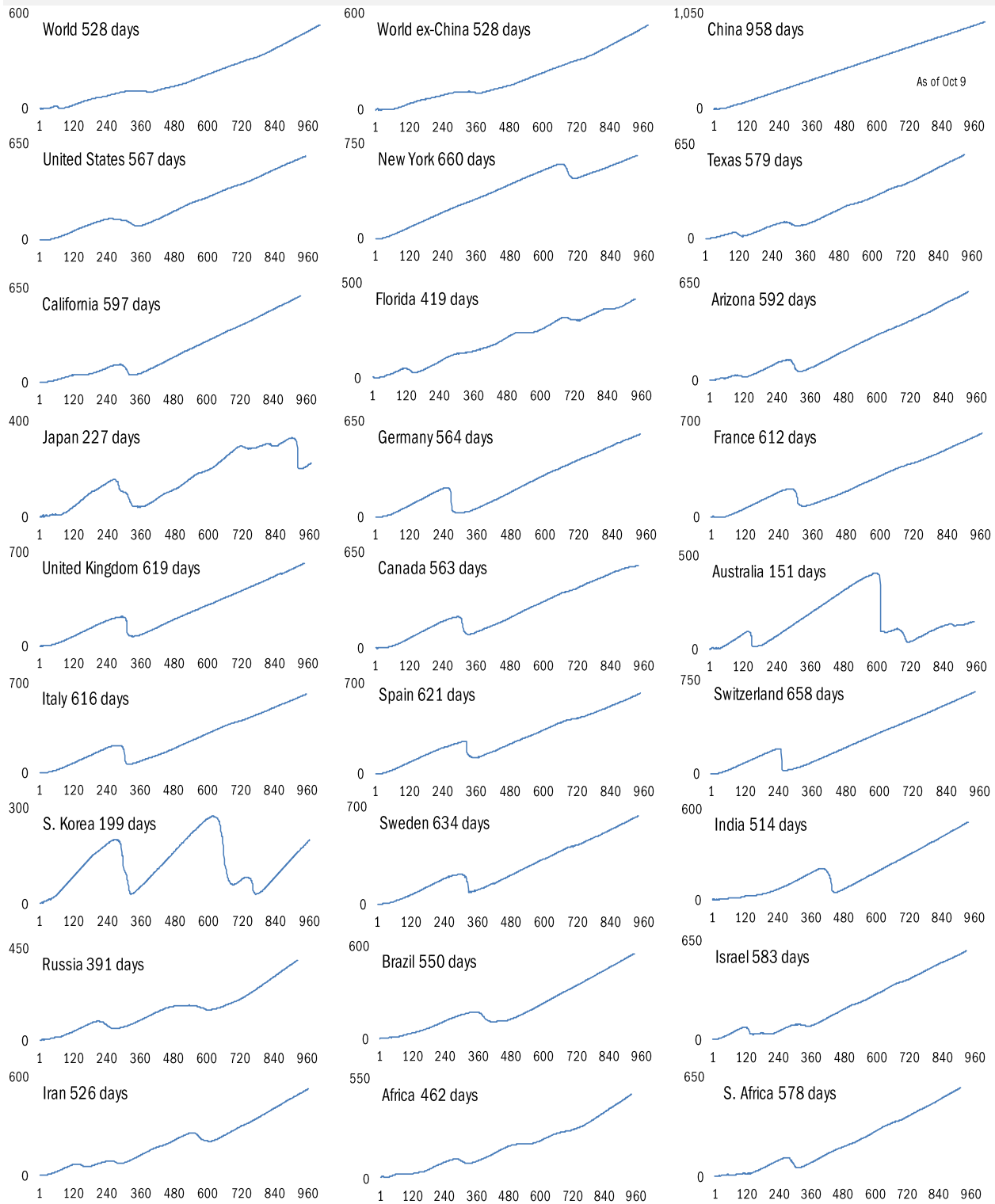


Source: [Johns Hopkins](#), TrendMacro calculations

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

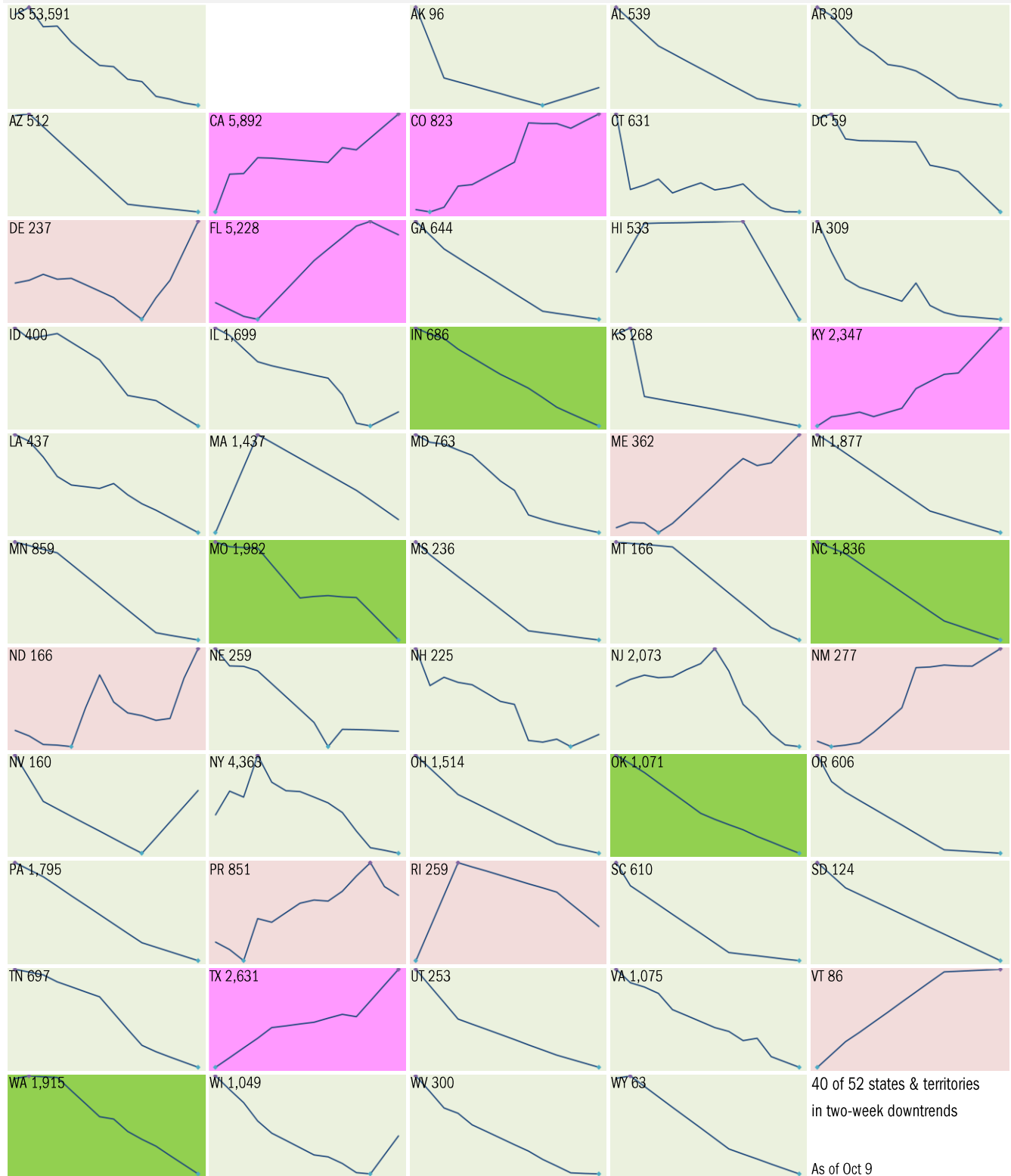


Source: [Johns Hopkins](#), TrendMacro calculations

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

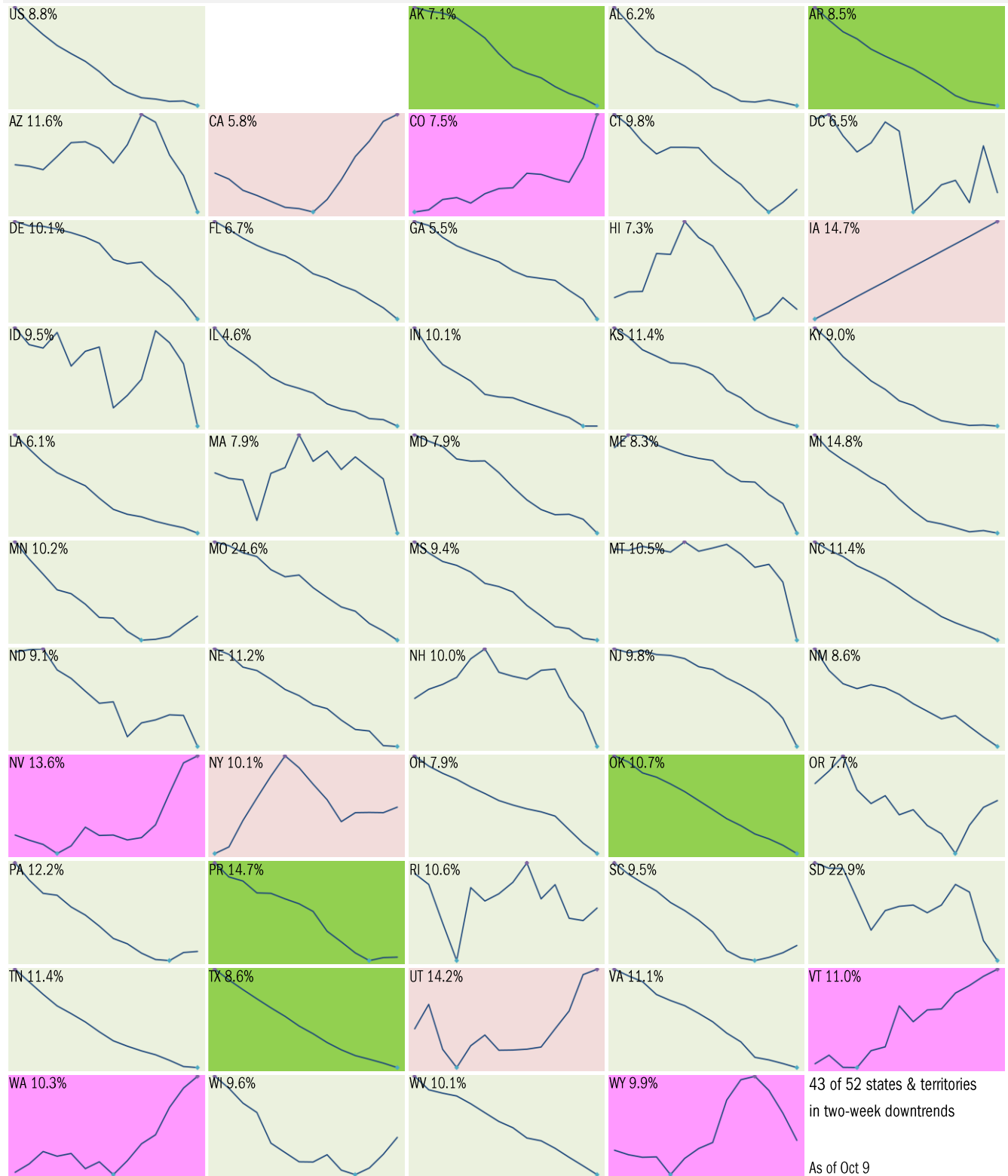


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

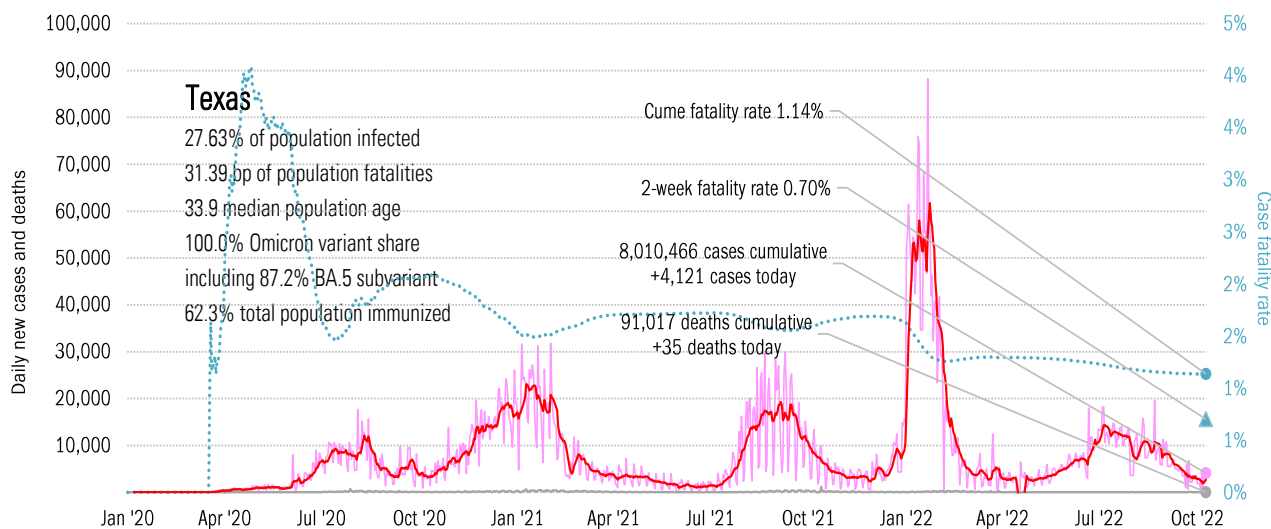
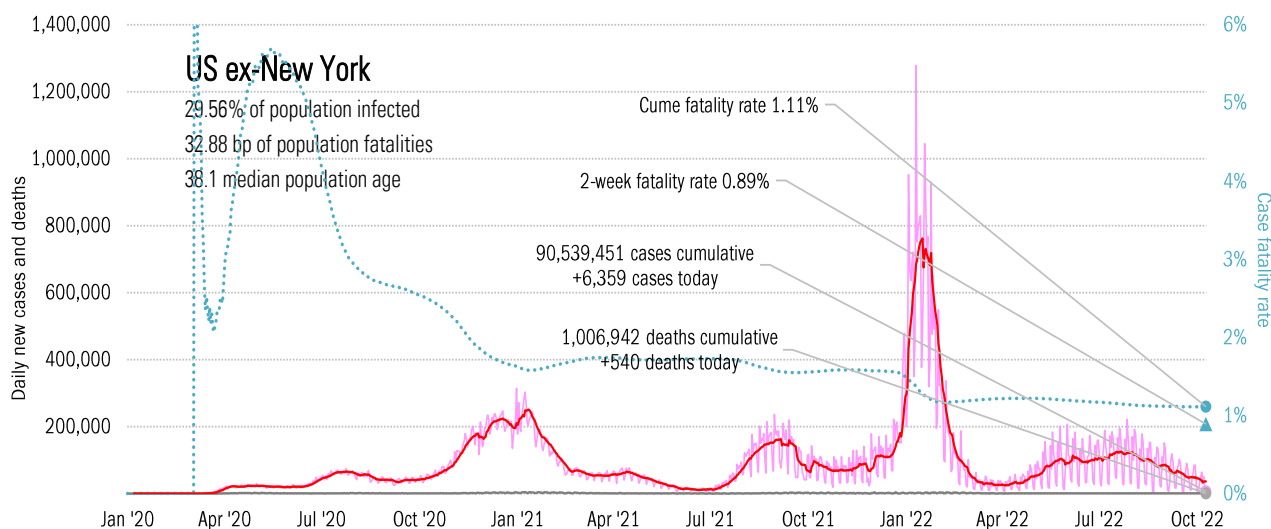
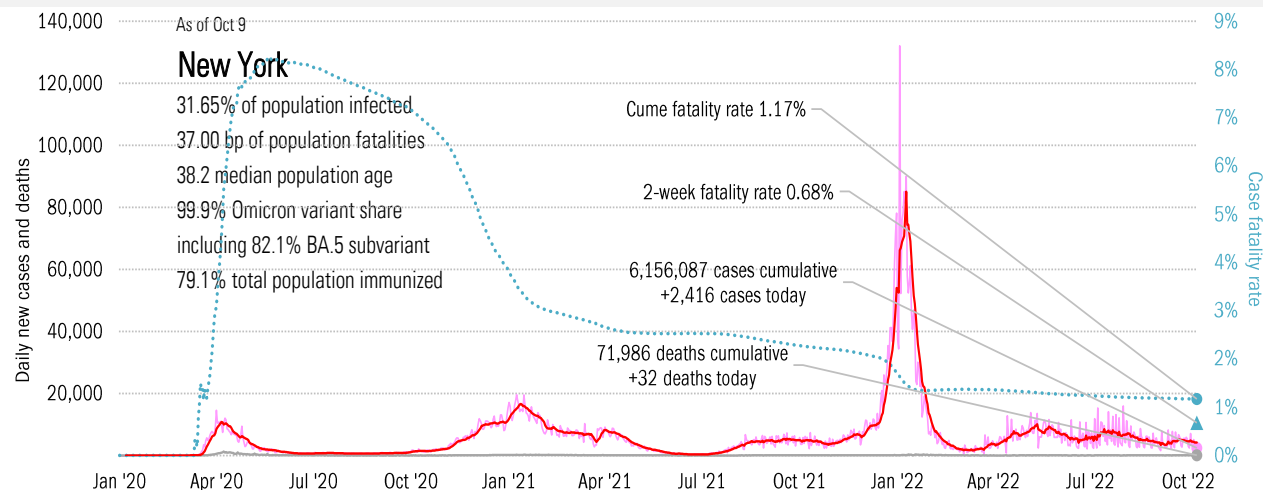
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

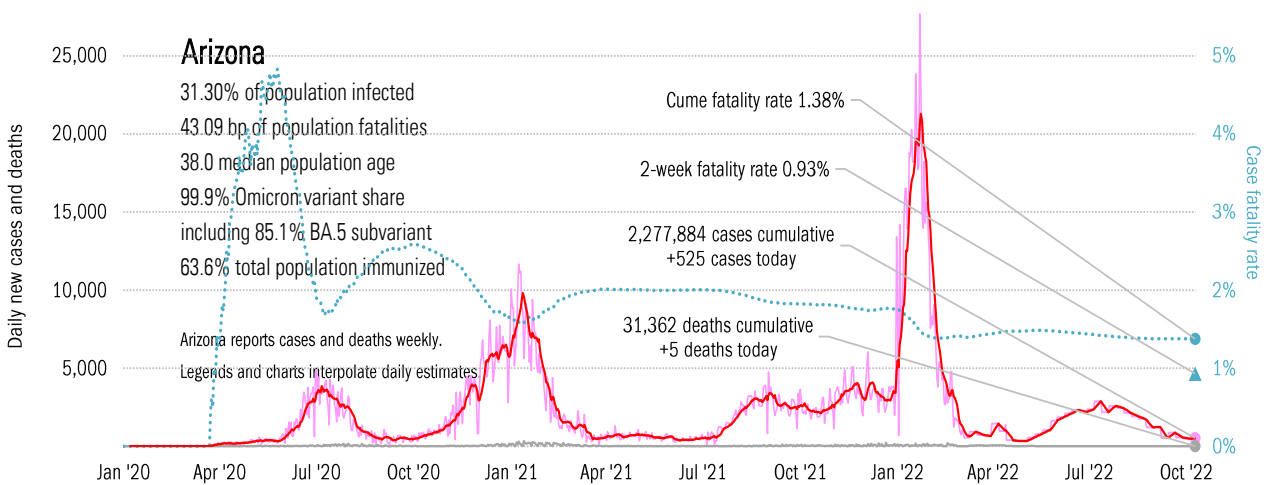
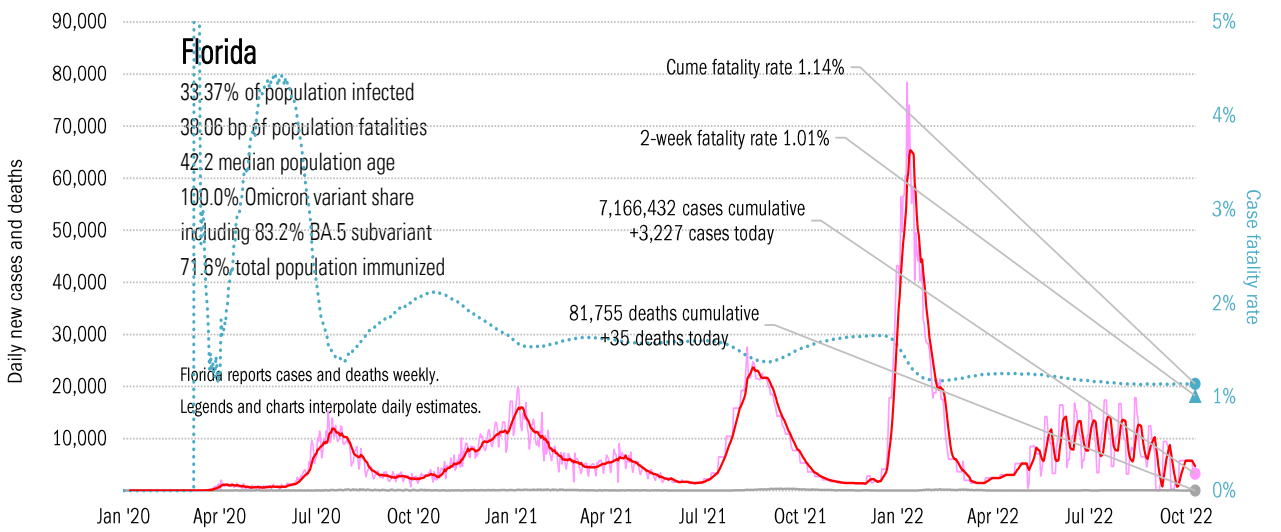
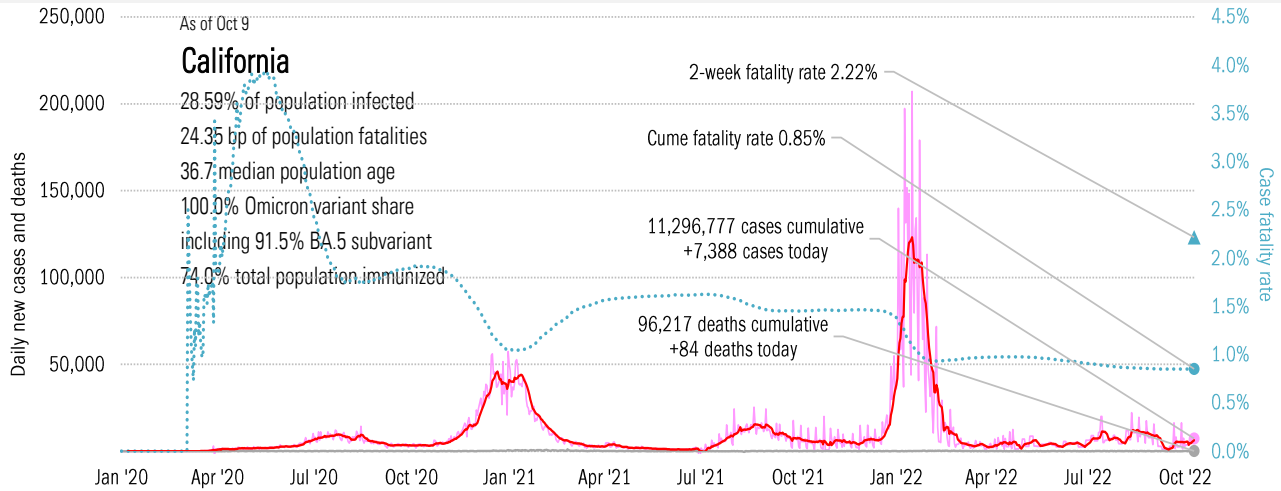
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

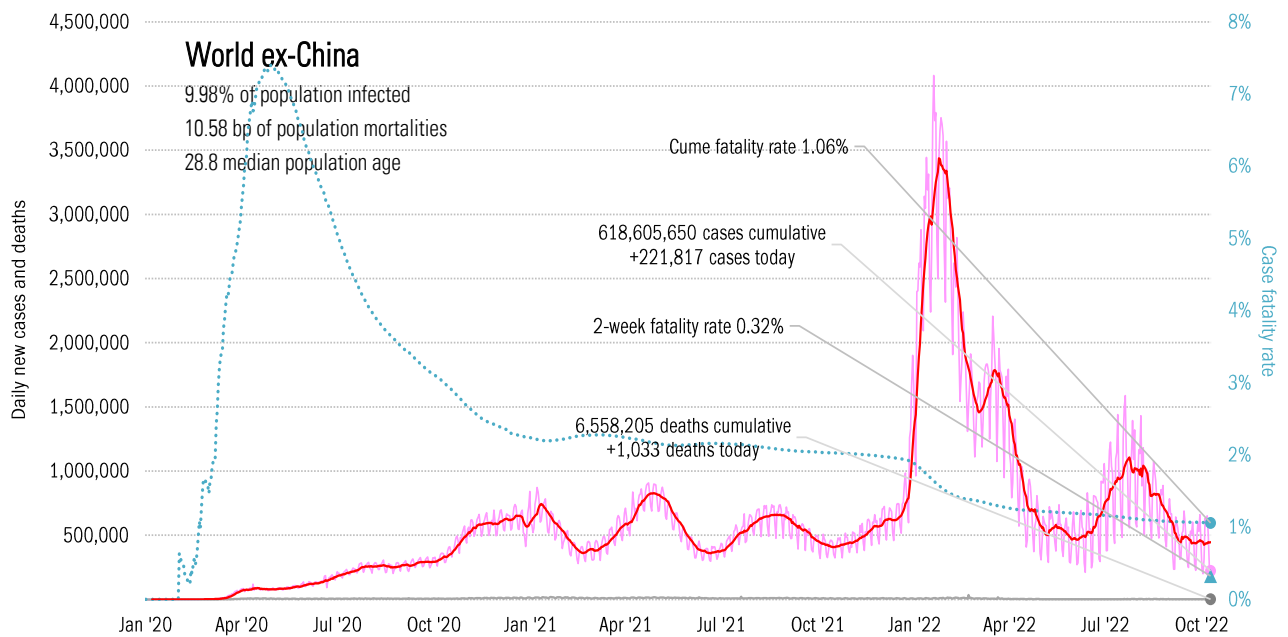
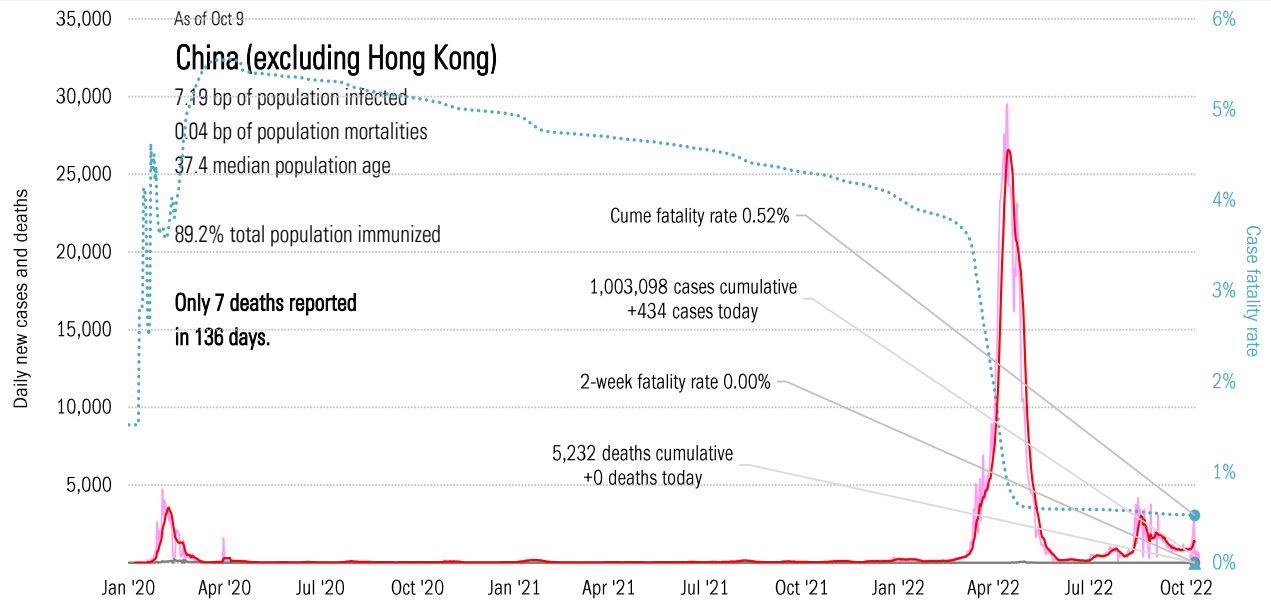
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

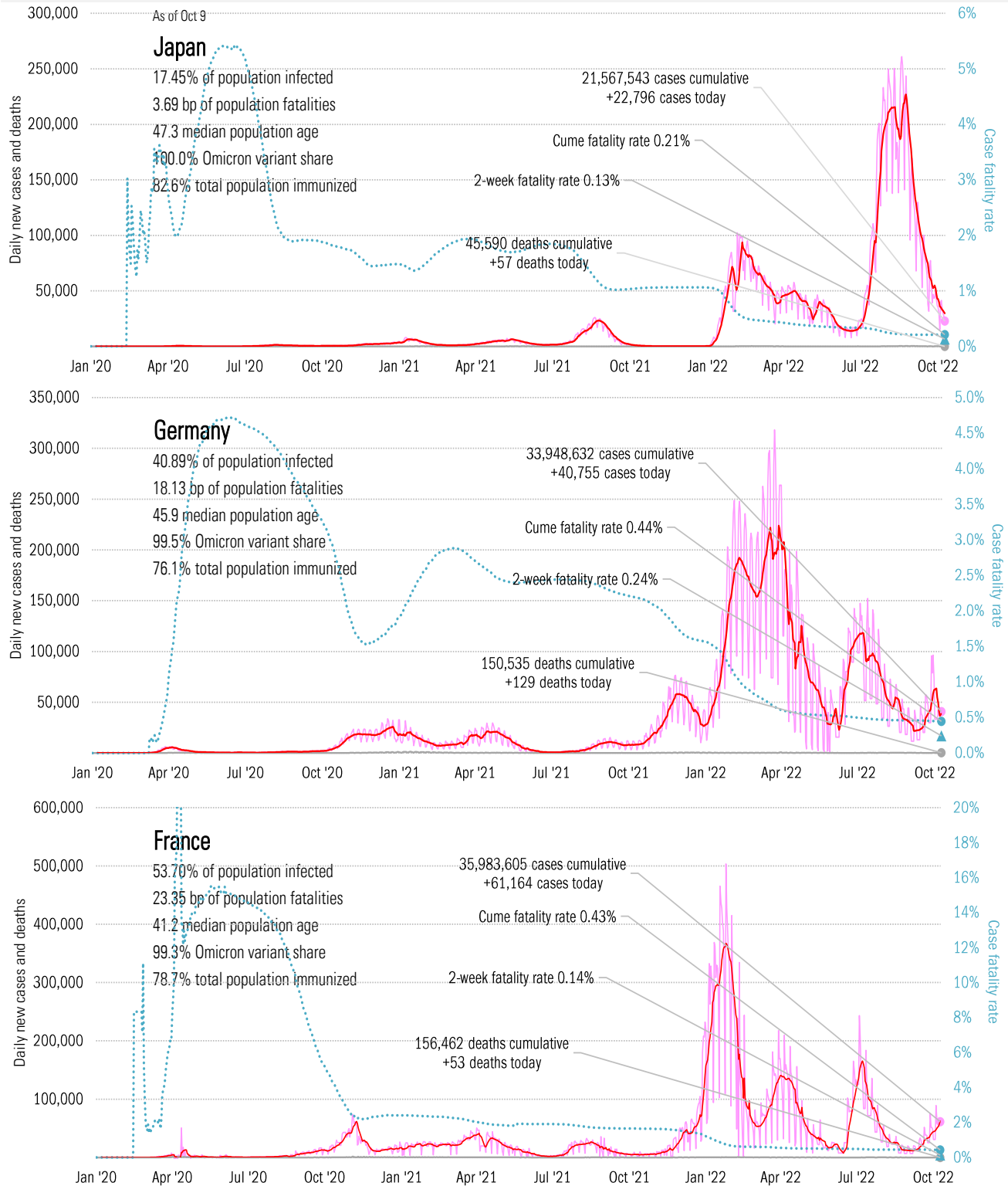
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

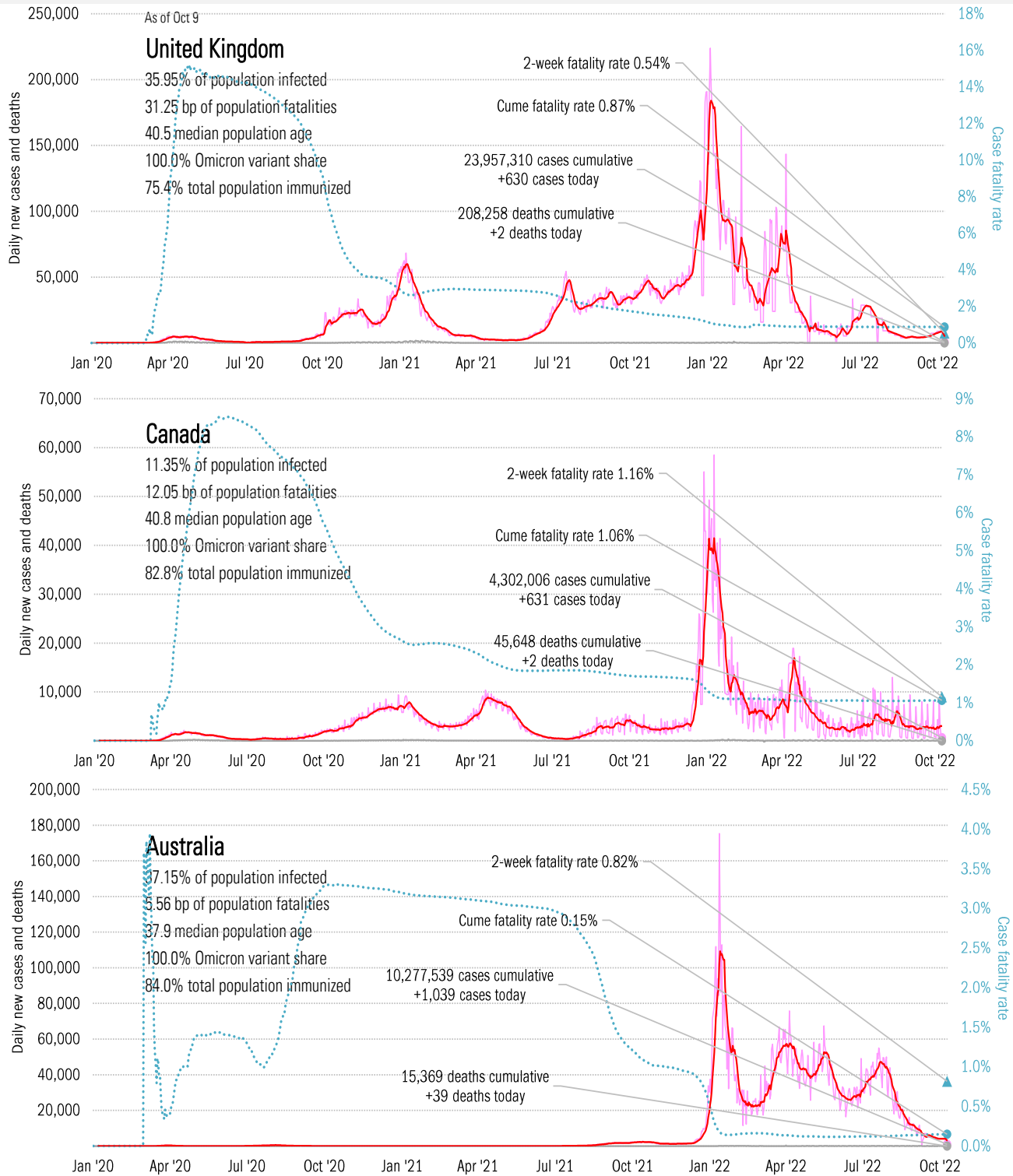
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

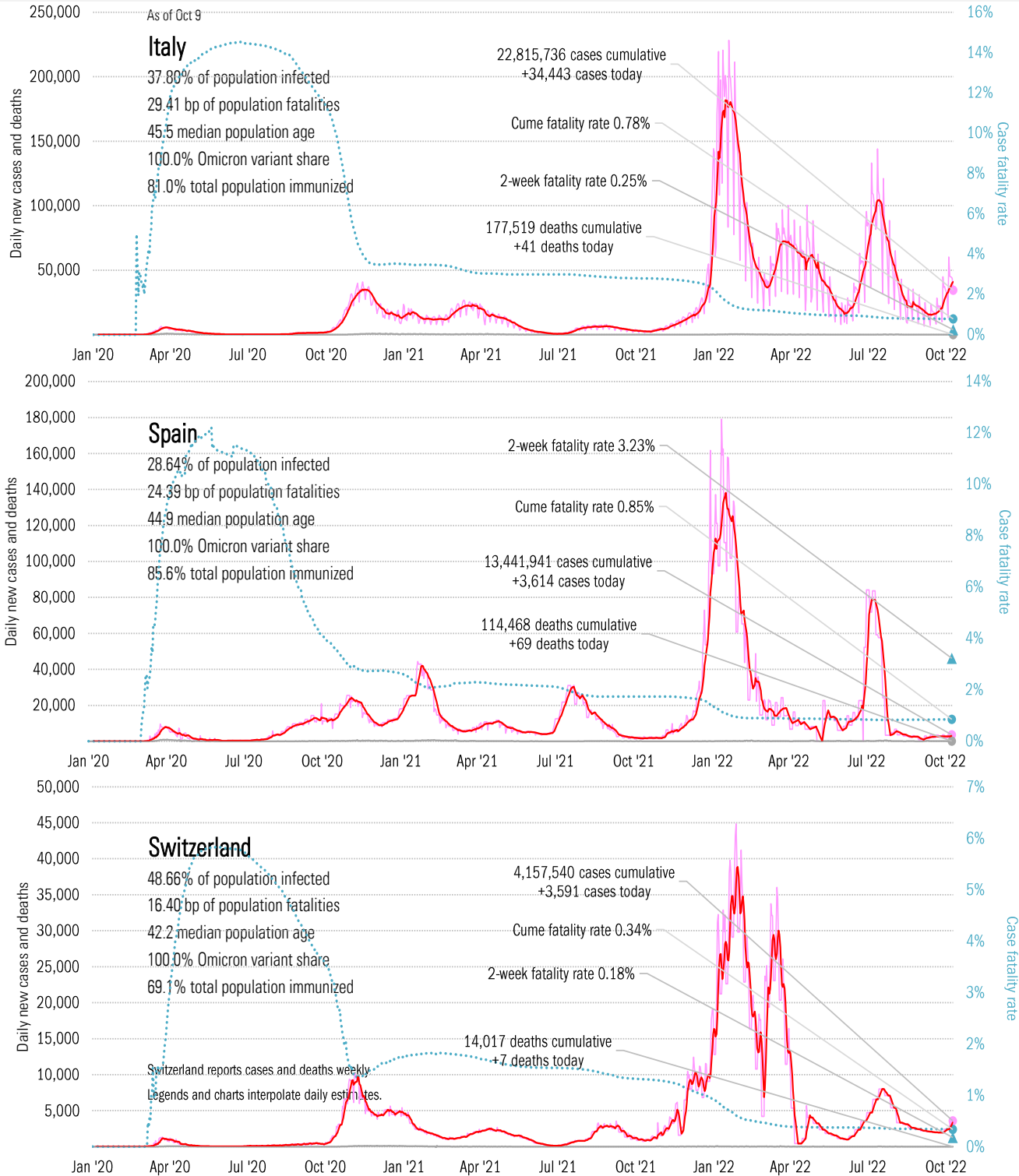
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

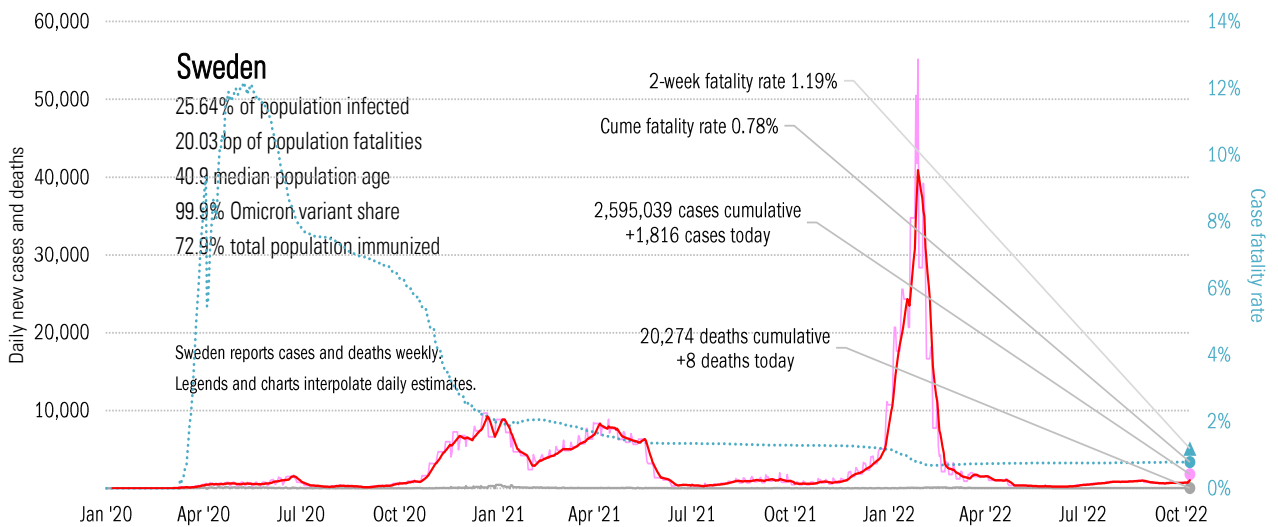
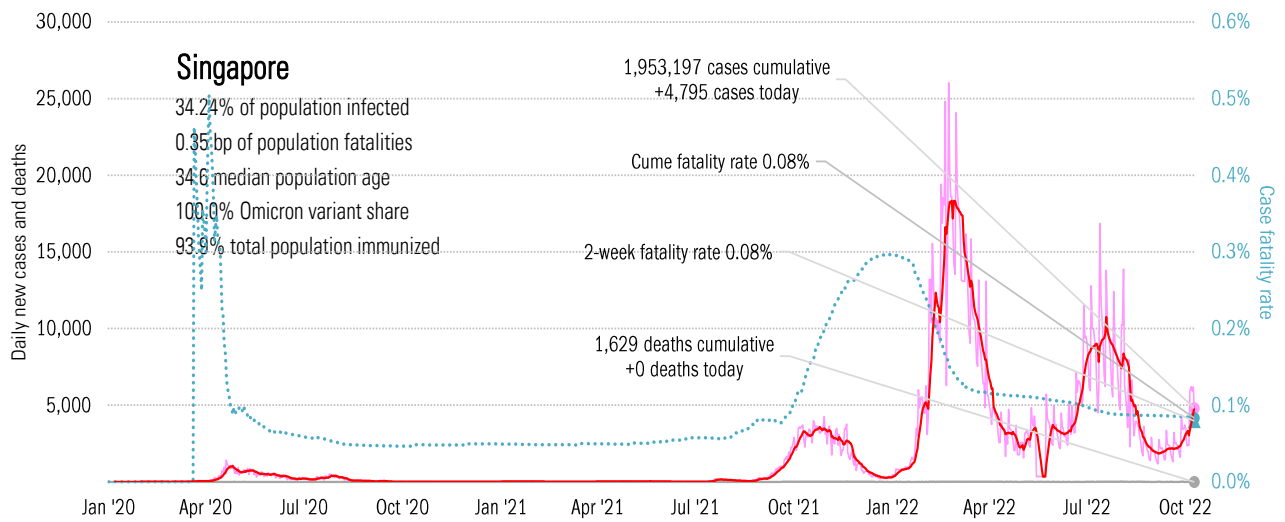
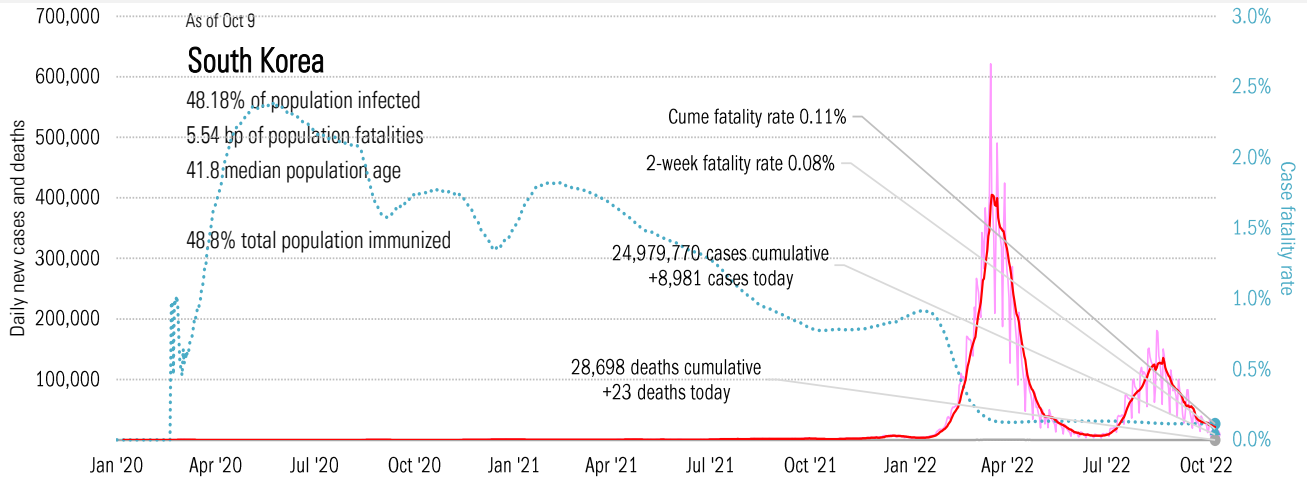
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

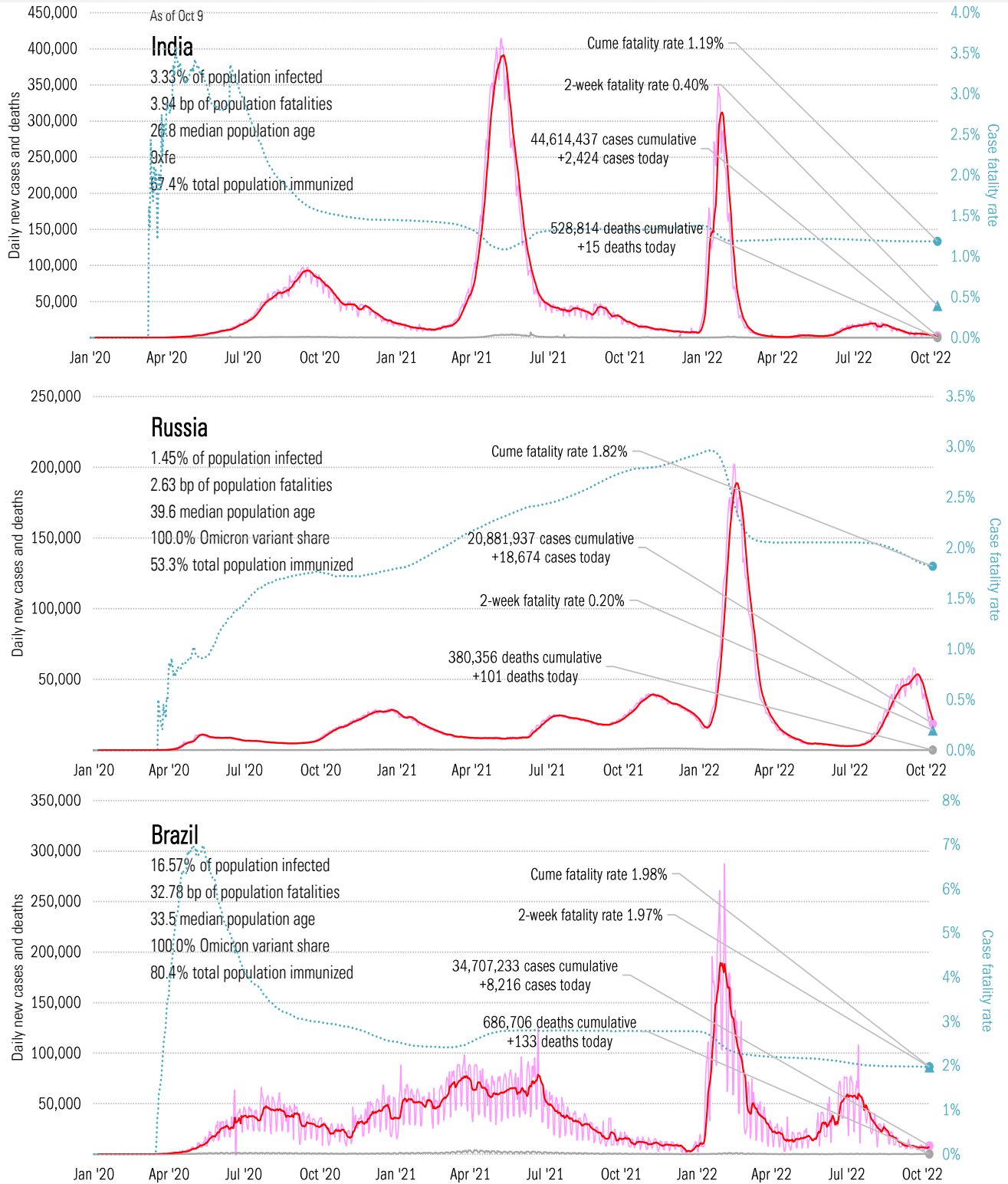
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

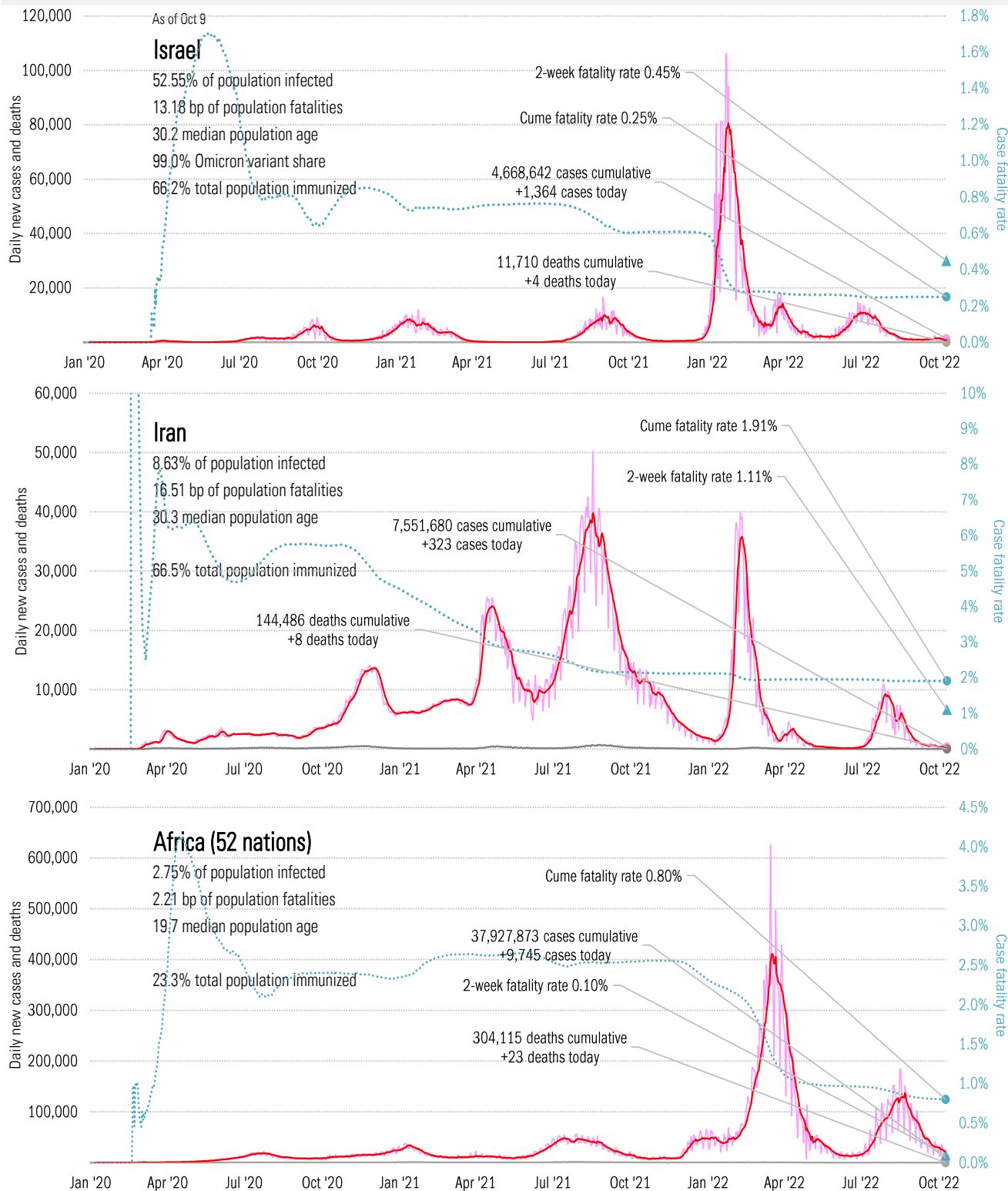
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

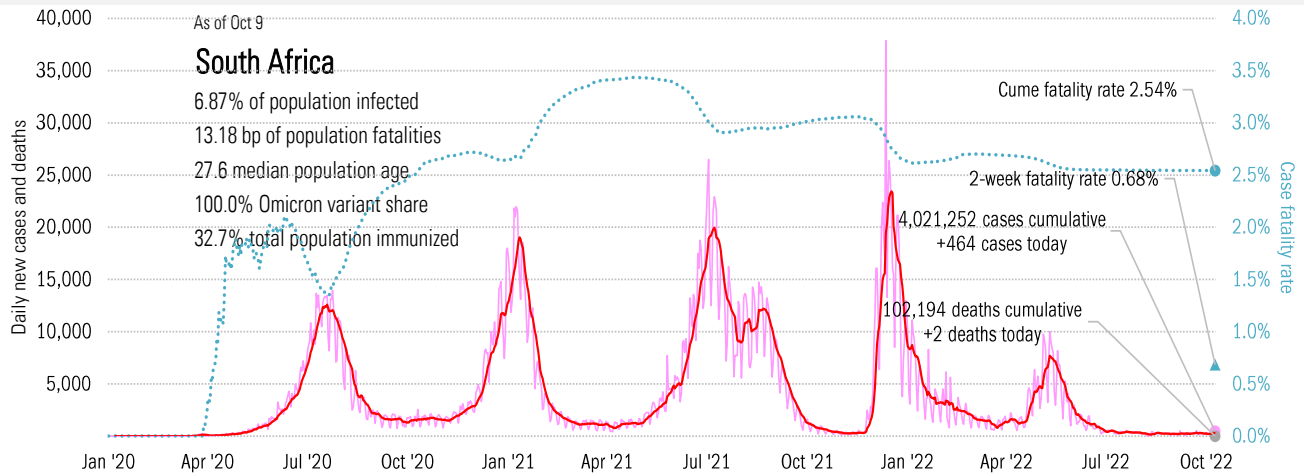
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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