

Data Insights: Covid-2019 Monitor

Monday, October 17, 2022

The global scorecard

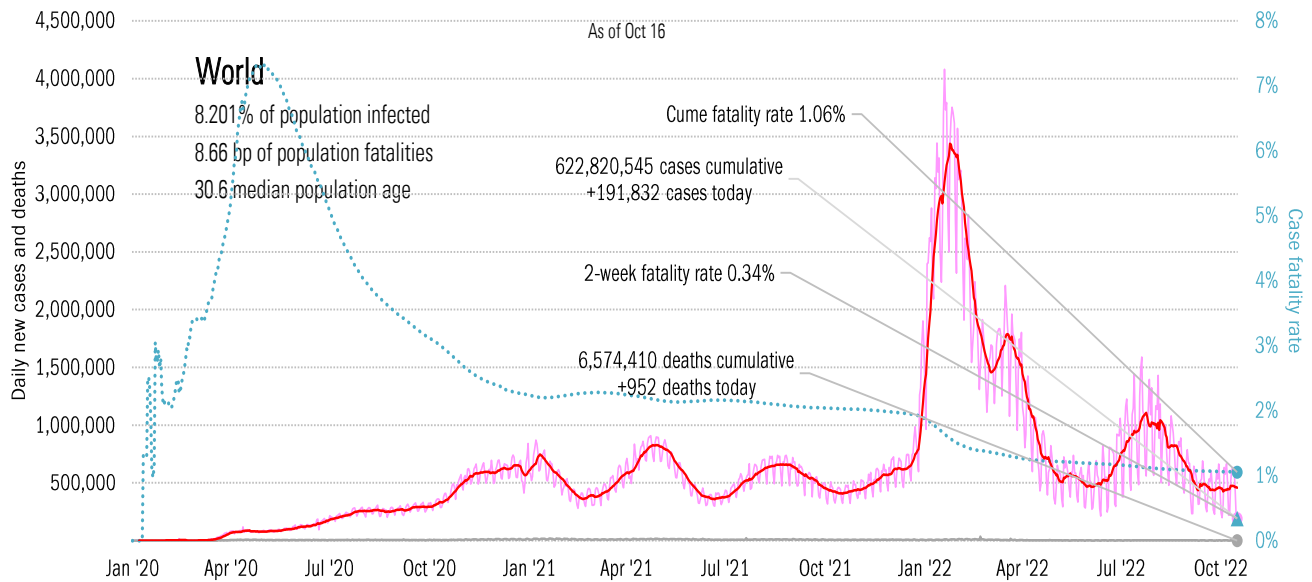
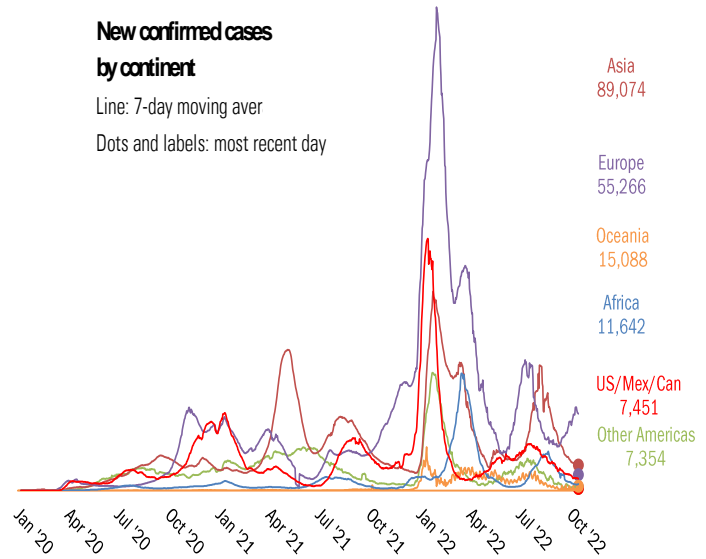
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	46,234	United States	370
Taiwan*	41,494	Russia	93
Italy	30,238	Taiwan*	65
Japan	29,662	Japan	47
New Zealand	14,288	Philippines	33
Russia	12,270	Italy	32
Korea, South	11,040	Chile	21
Austria	9,224	Argentina	12
Singapore	6,181	Indonesia	12
Chile	4,271	Croatia	11
204,902		696	

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

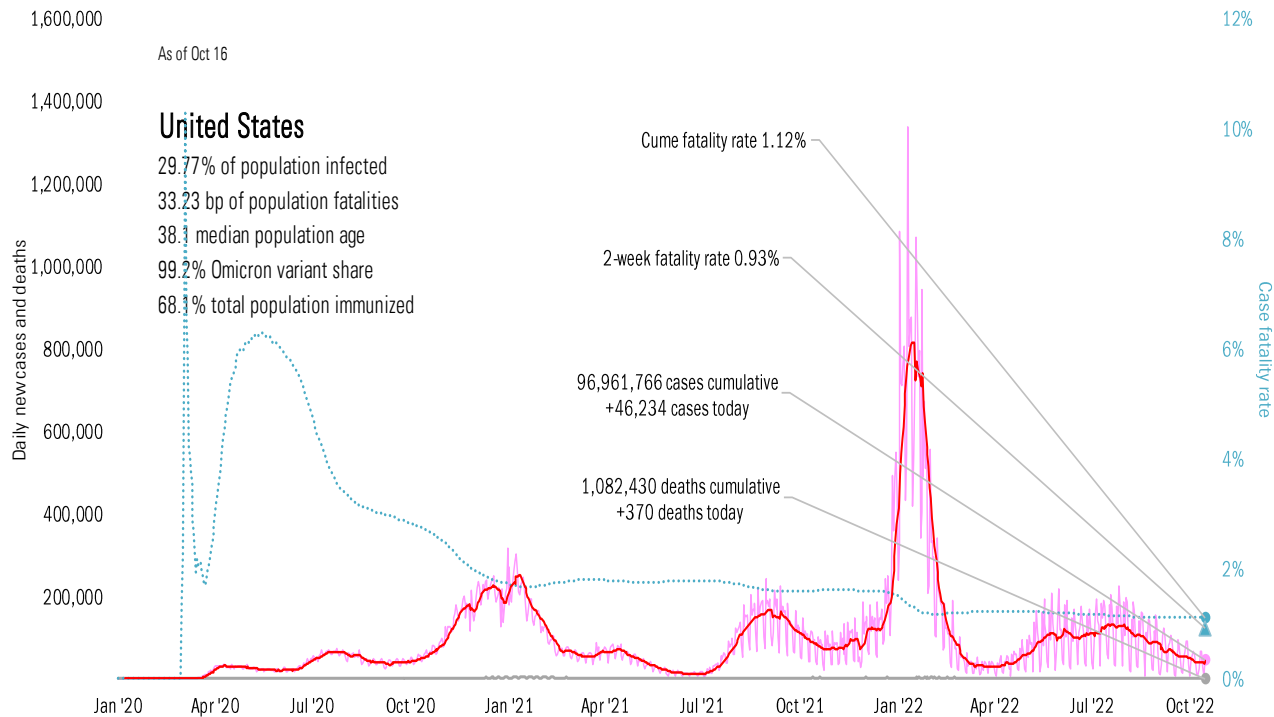
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
TX	3,730	MO	29	NY	379	CA	11,320,843	CA	96,437	TX	548,576	DE	120%	DE	120%	RI	91%	VT	87%										
MO	3,326	MI	22	PA	239	TX	8,023,908	TX	91,077	CA	504,148	MA	89%	RI	86%	MN	86%	MA	86%										
FL	3,227	IL	20	MA	155	FL	7,179,341	FL	82,010	FL	496,496	WA	85%	GA	85%	MO	84%	AK	85%										
CA	2,862	VA	20	GA	114	NY	6,183,712	NY	72,177	NY	305,231	MD	83%	TX	83%	GA	83%	NE	82%										
NY	2,499	WA	20	NJ	168	IL	3,784,083	PA	47,442	GA	226,900	WV	81%	WA	80%	MI	81%	AL	80%										
KY	2,374	PA	17	IL	144	PA	3,280,190	GA	40,448	CH	220,454																		
IL	1,832	DE	15	CA	284	NC	3,220,858	CH	40,037	PA	206,672																		
OK	1,815	NY	13	WI	91	CH	3,162,278	IL	39,843	IL	188,816																		
PA	1,803	WV	13	IN	58	GA	2,913,382	MI	38,919	MI	164,705																		
MI	1,793	AR	12	MI	132	MI	2,861,595	NJ	34,822	KY	145,814																		
25,261			181			1,764			51,930,190			583,212			3,007,812														
All states			46,234			370			3,274			All states			96,961,766			1,082,430			5,458,309			All states		70%		67%	
Top ten			55%			49%			54%			Top ten			54%			55%			55%			Median		76%		72%	

Some states not reporting

Five most improved US states

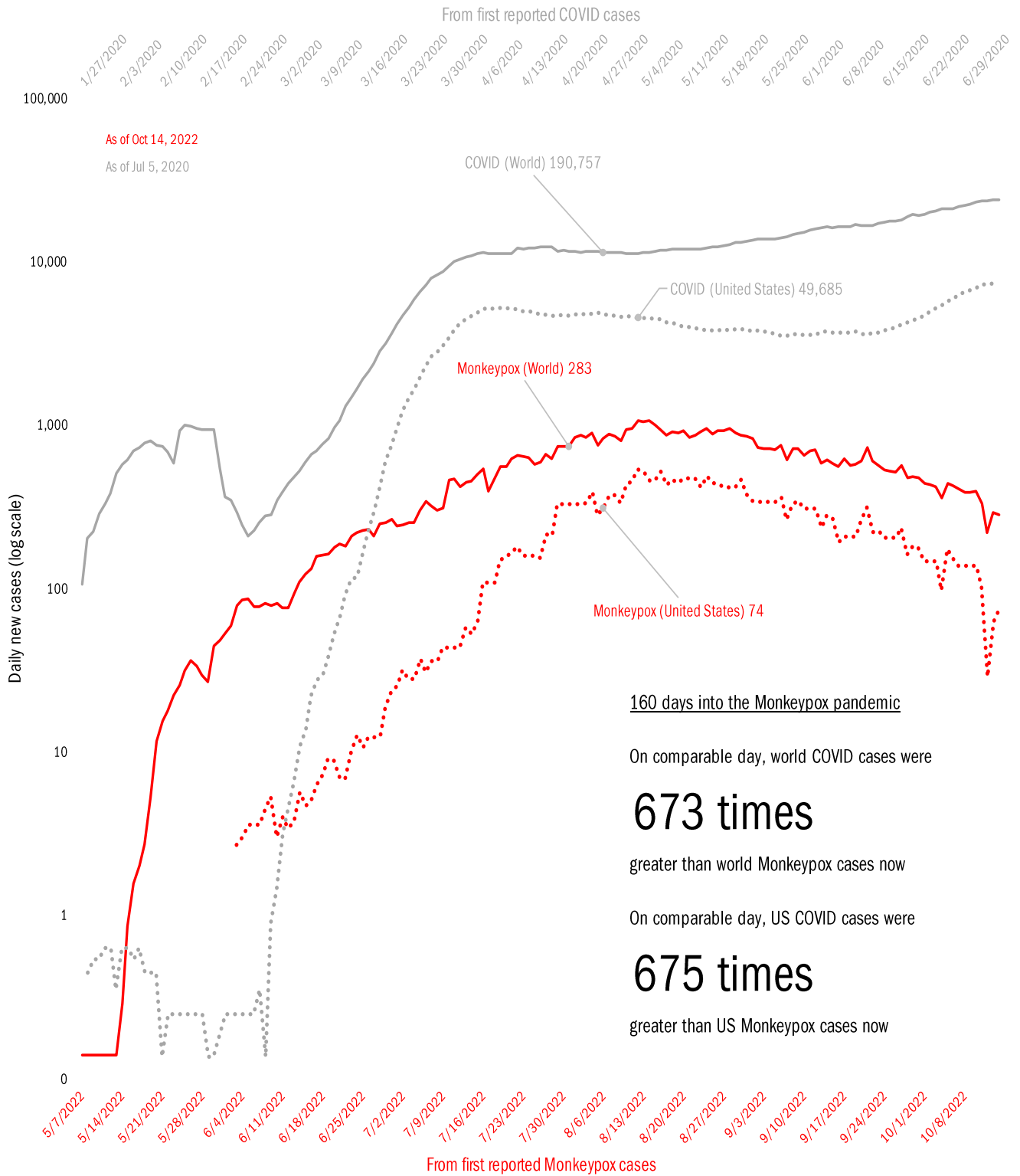
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NJ	-510	FL	-36	NC	-58
CT	-124	NH	-2	CT	-33
AR	-122	ME	-1	TX	-22
NY	-30	NE	-1	ID	-12
AK	0	AK	0	WY	-11



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

The Monkeypox contextualizer

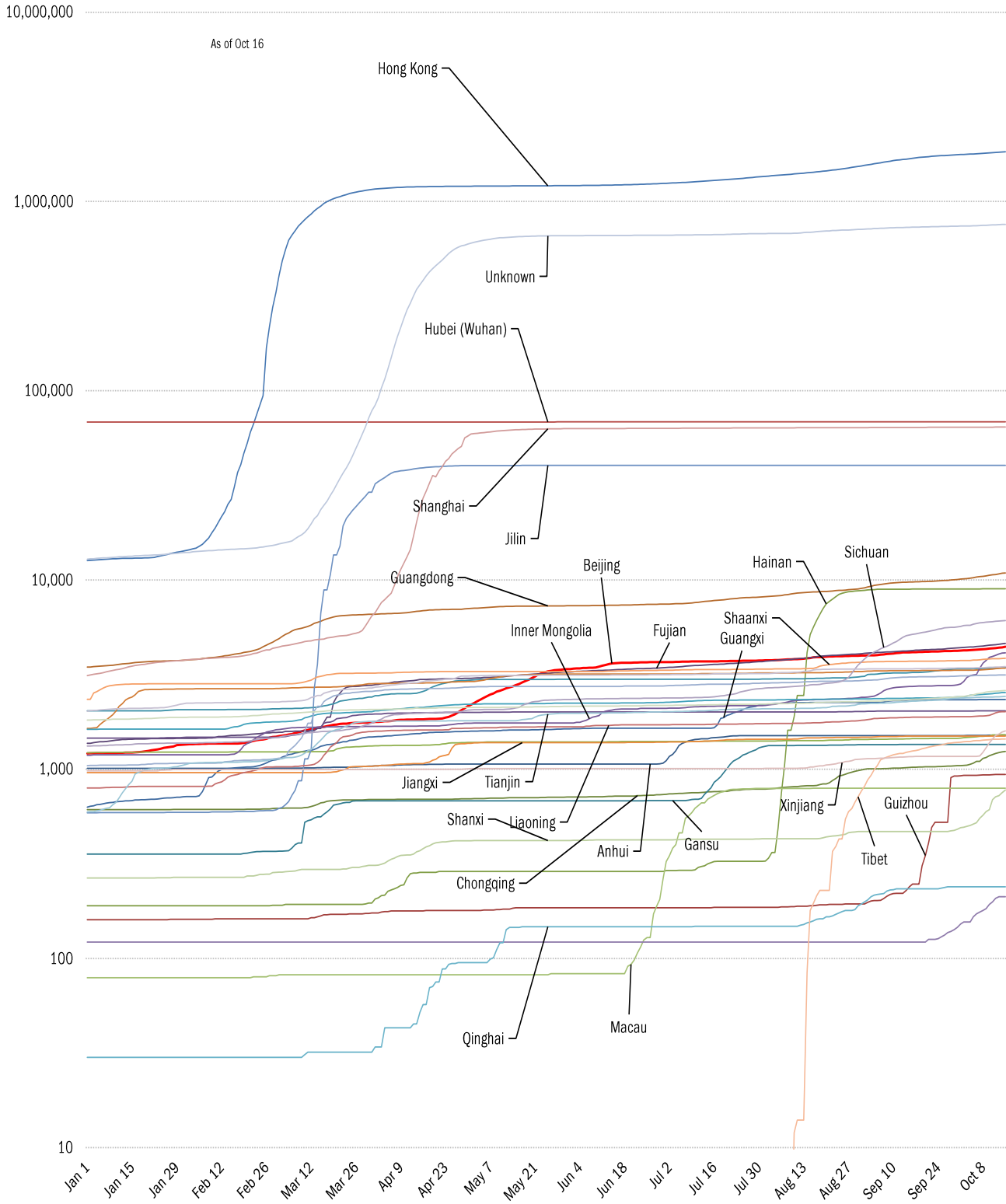
The course of case growth versus COVID



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"

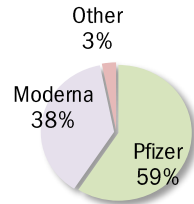


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	643,583,151		+0.536 million		US	68.1%	79.9%	
of which boosters	113,097,158		+0.042 million		UK	75.4%	80.0%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.7%	81.0%
Total population	273,344,554	82%	232,908,646	70%	+0.049 million	Spain	85.6%	87.0%
Age 12 to 17	18,261,175	72%	15,609,028	62%	+0.002 million	Germany	76.1%	77.7%
Age 18 to 64	182,139,977	90%	154,856,290	76%	+0.024 million	Italy	81.0%	85.8%
Age 65 and over	60,207,686	100%	52,698,897	96%	+0.016 million	Australia	84.0%	86.6%
						Israel	66.2%	72.3%
						Canada	82.8%	87.8%
						Japan	82.6%	83.7%
						Africa	24.1%	30.1%
						India	67.4%	72.9%
						Brazil	80.4%	87.4%
						China	89.2%	91.4%



AK	71.9%
	64.4%

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

"Immunity" = two doses

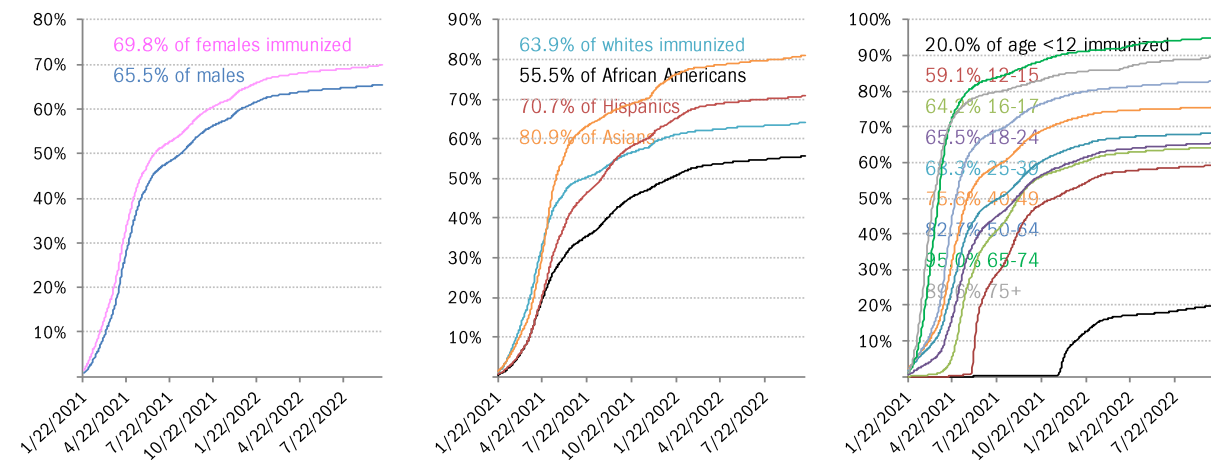
Best
Middle
Worst

Global data differs due to sources, timing

As of Oct 14

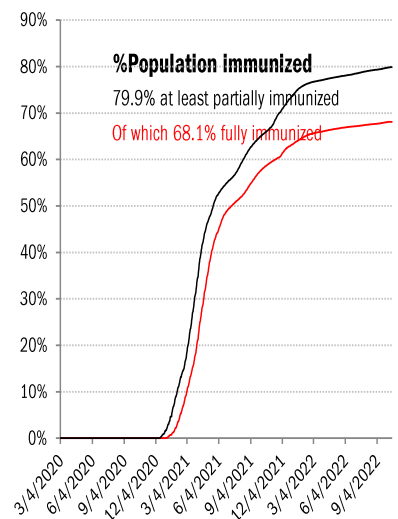
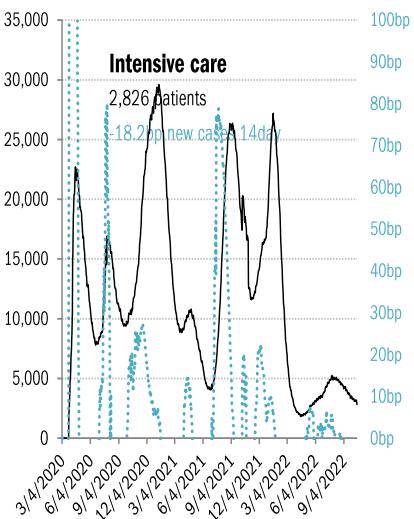
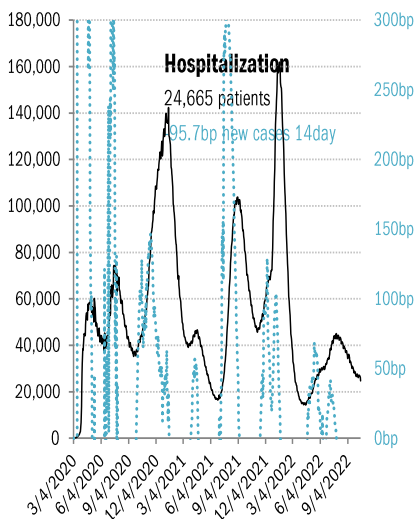
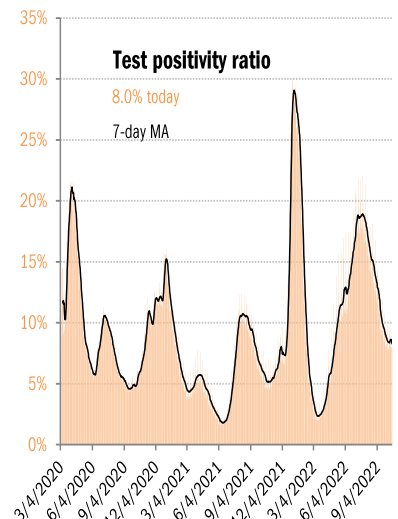
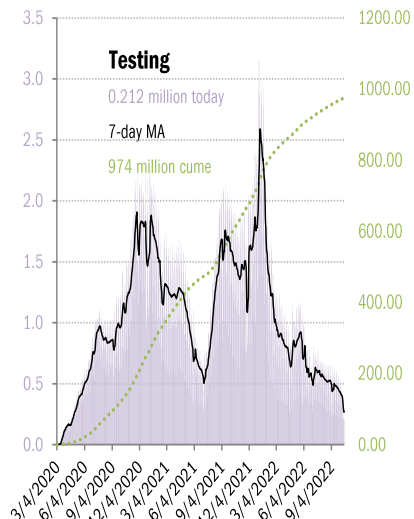
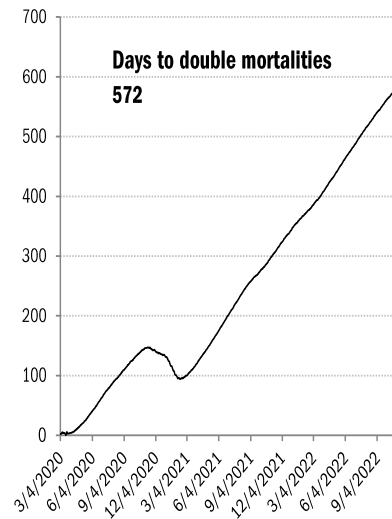
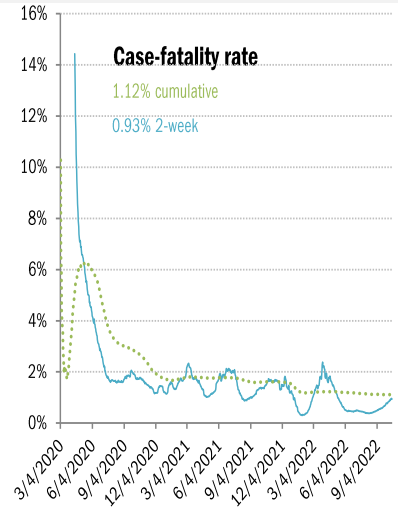
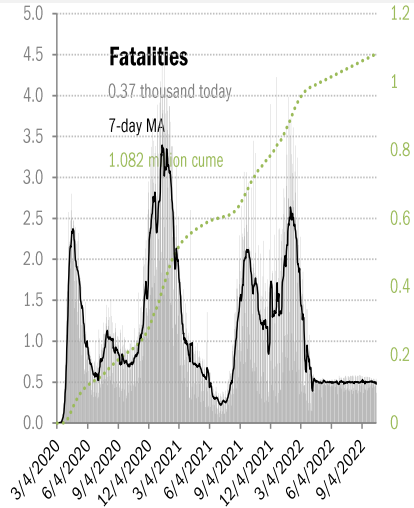
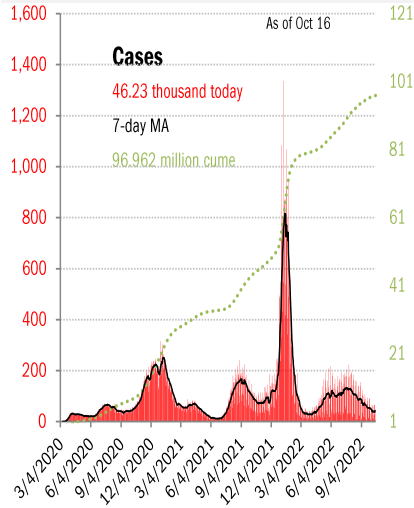
					WI						ME
					73.8%						94.3%
					67.2%						81.9%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.6%	62.9%	67.0%	67.8%	77.4%	78.0%	68.6%			92.7%	95.0%	84.7%
74.7%	55.6%	58.3%	57.3%	70.9%	70.3%	61.5%			79.3%	83.7%	69.6%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
80.0%	77.5%	59.7%	80.5%	69.6%	63.5%	64.8%	88.2%		93.1%	95.0%	
71.2%	62.5%	52.2%	64.4%	63.4%	57.1%	59.7%	71.3%		77.8%	82.0%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
85.0%	74.1%	82.1%	72.2%	68.1%	67.8%	66.6%	88.7%		89.8%	95.0%	95.0%
74.1%	65.8%	72.3%	65.2%	57.9%	58.8%	59.0%	75.3%		78.2%	81.5%	85.9%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.2%	91.5%	74.8%	68.7%	63.7%	88.9%	69.8%		95.0%	86.2%	
	63.7%	73.5%	64.0%	56.0%	55.7%	64.8%	58.9%		81.7%	71.7%	
			OK	LA	MS	AL	GA				
			73.3%	62.3%	61.1%	64.2%	67.3%				
			59.3%	54.6%	53.2%	52.4%	56.4%				
			TX						FL		PR
			74.9%						81.3%		95.0%
			62.4%						68.6%		85.7%

The demographics of US vaccination

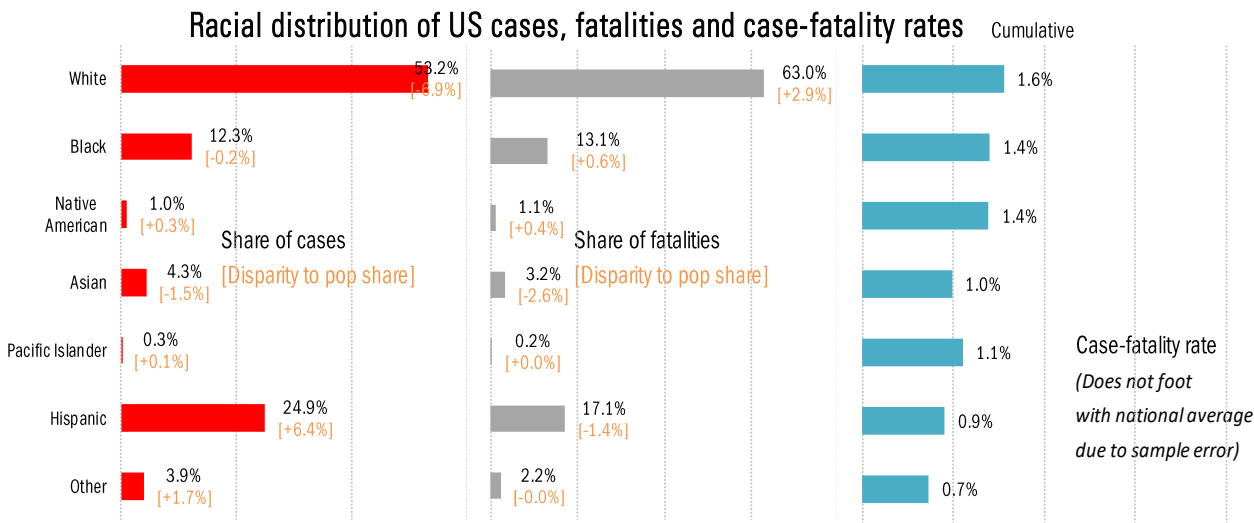
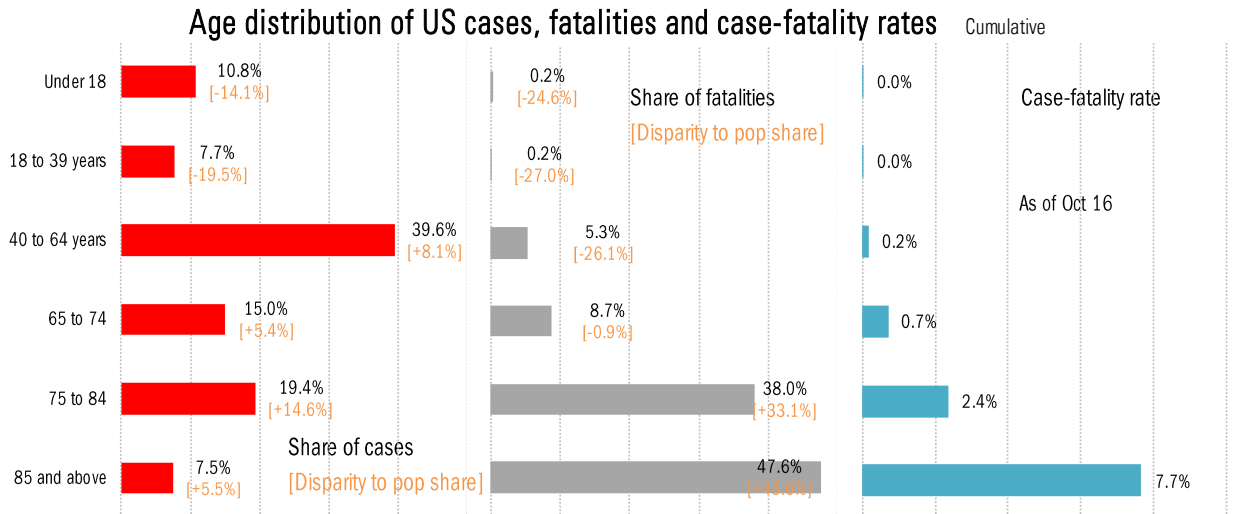


Source: CDC, CDC, Our World in Data, TrendMacro calculations

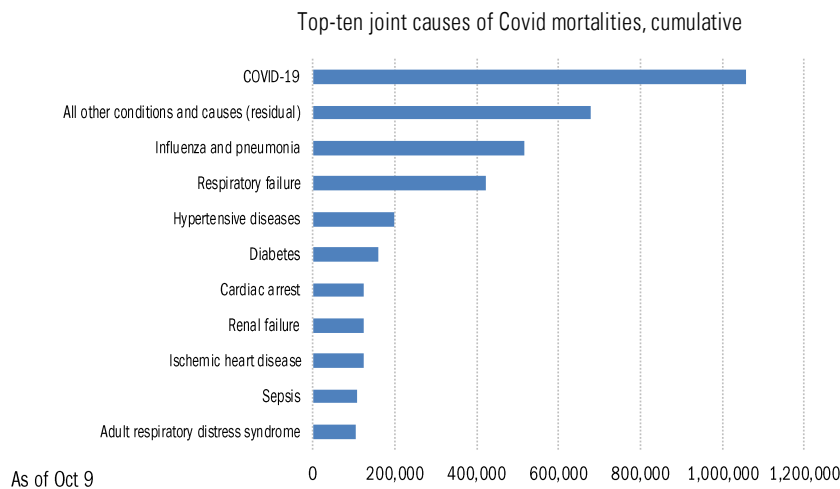
US deep-dive



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

["Pretty troublesome": New COVID variant BQ.1 now makes up 1 in 10 cases nationwide, CDC estimates](#)

Alexander Tin
CBS News
October 14, 2022

[Why did he suspect a COVID surge was coming? He followed the digital breadcrumbs](#)

Manuel Lopez Restrepo
NPR
October 16, 2022

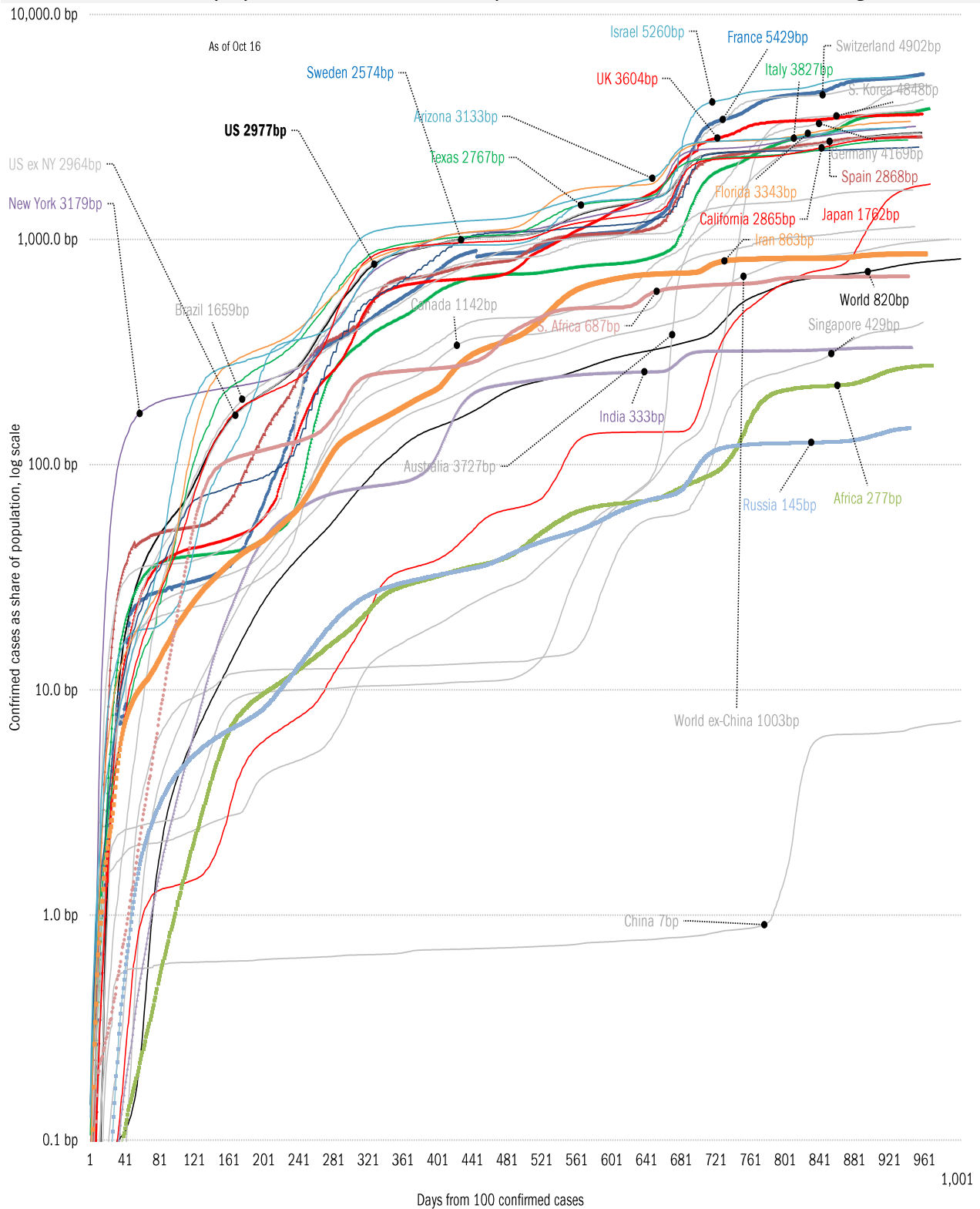
Meme of the day



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

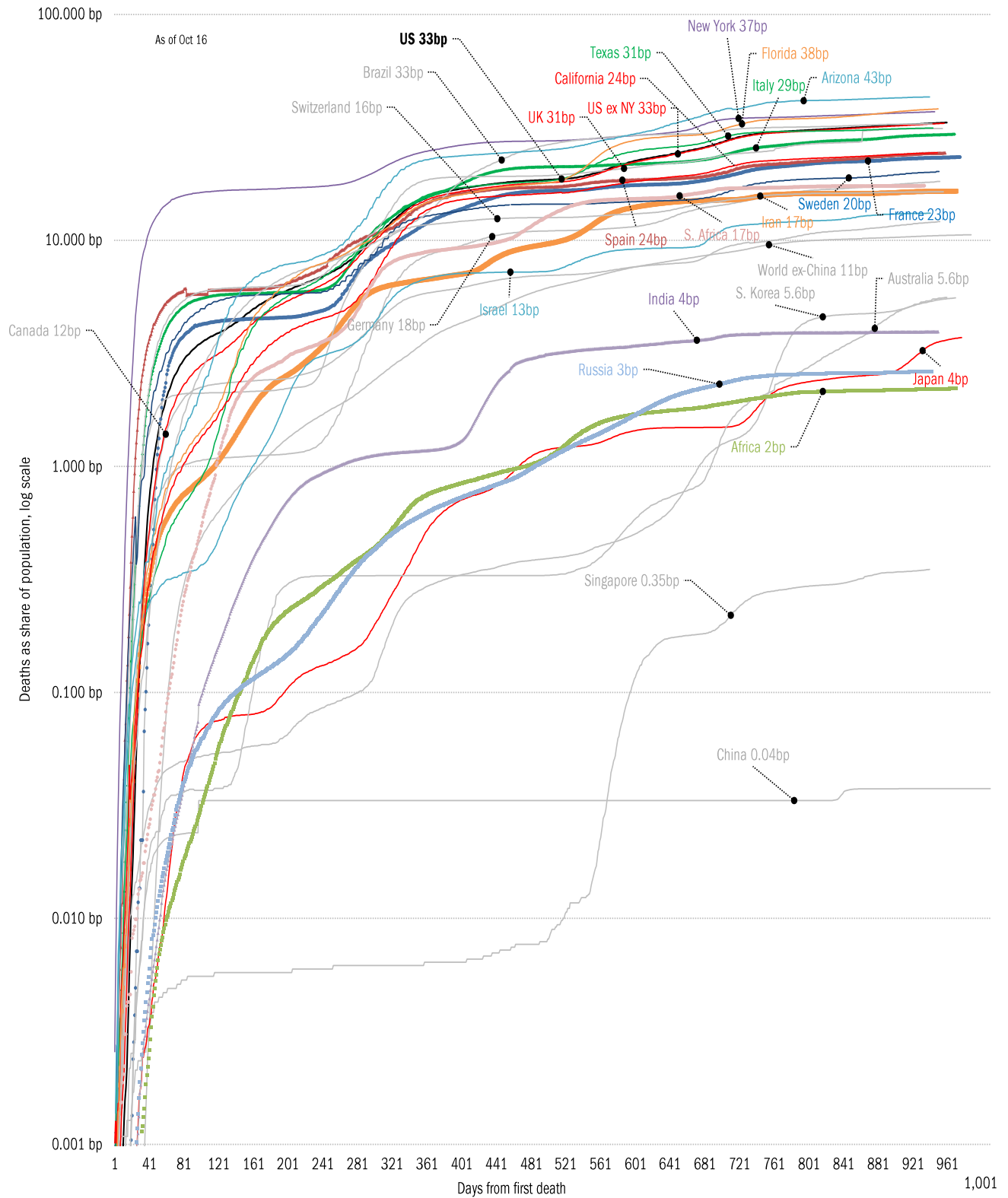
The global coronavirus case accelerometer... tracking the world's infection curves

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

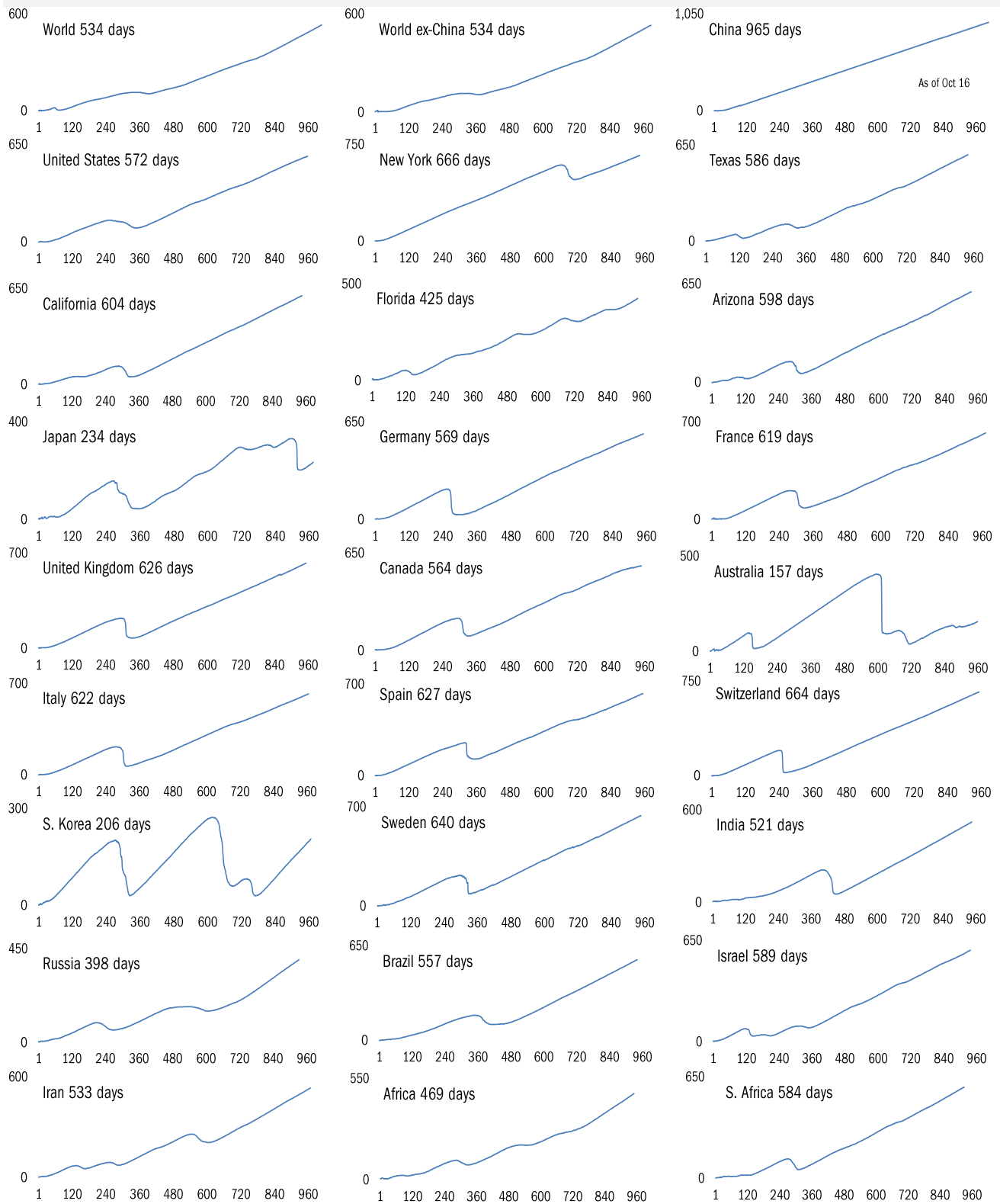


Source: [Johns Hopkins](#), TrendMacro calculations

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

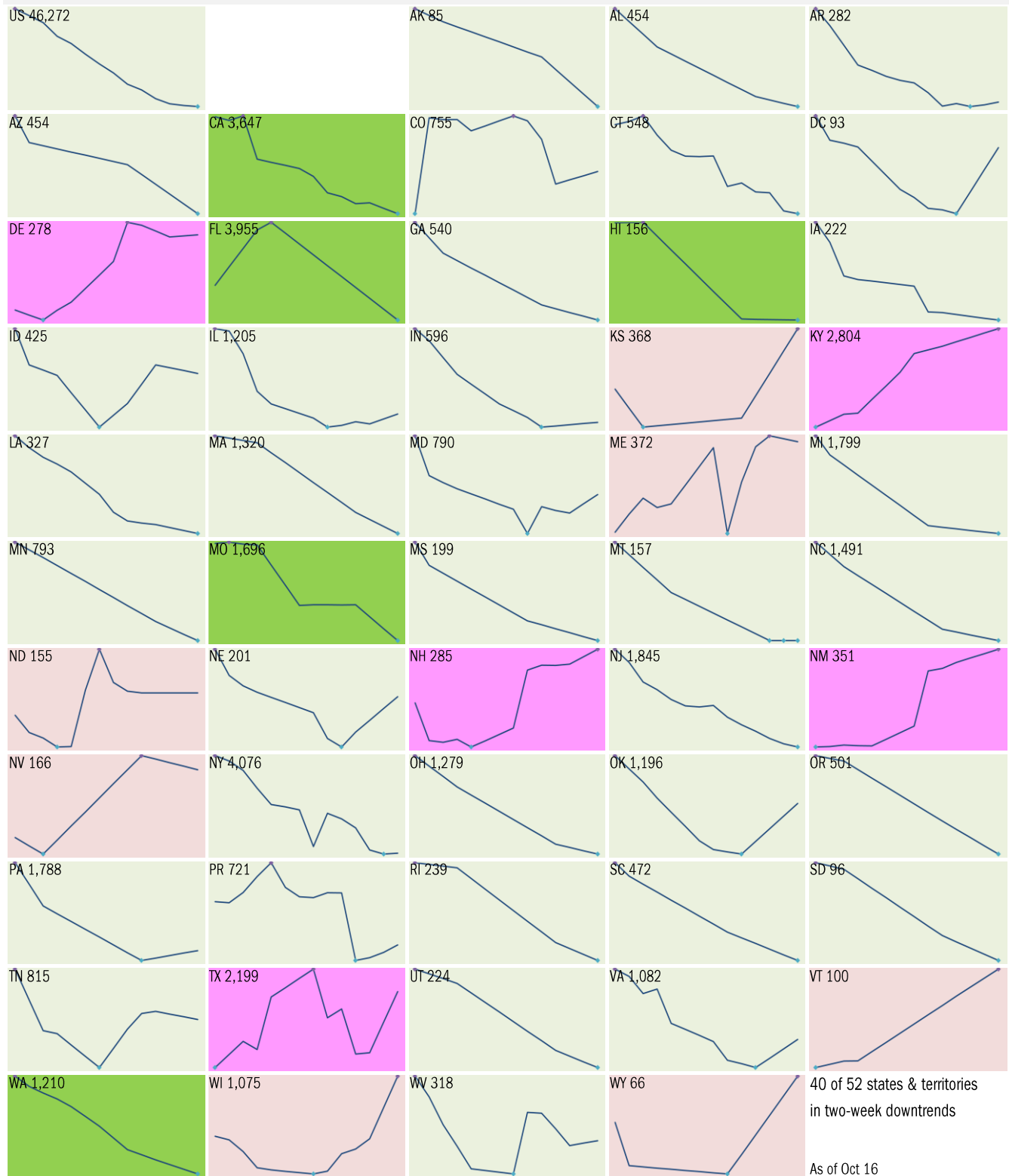


Source: [Johns Hopkins](#), TrendMacro calculations

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

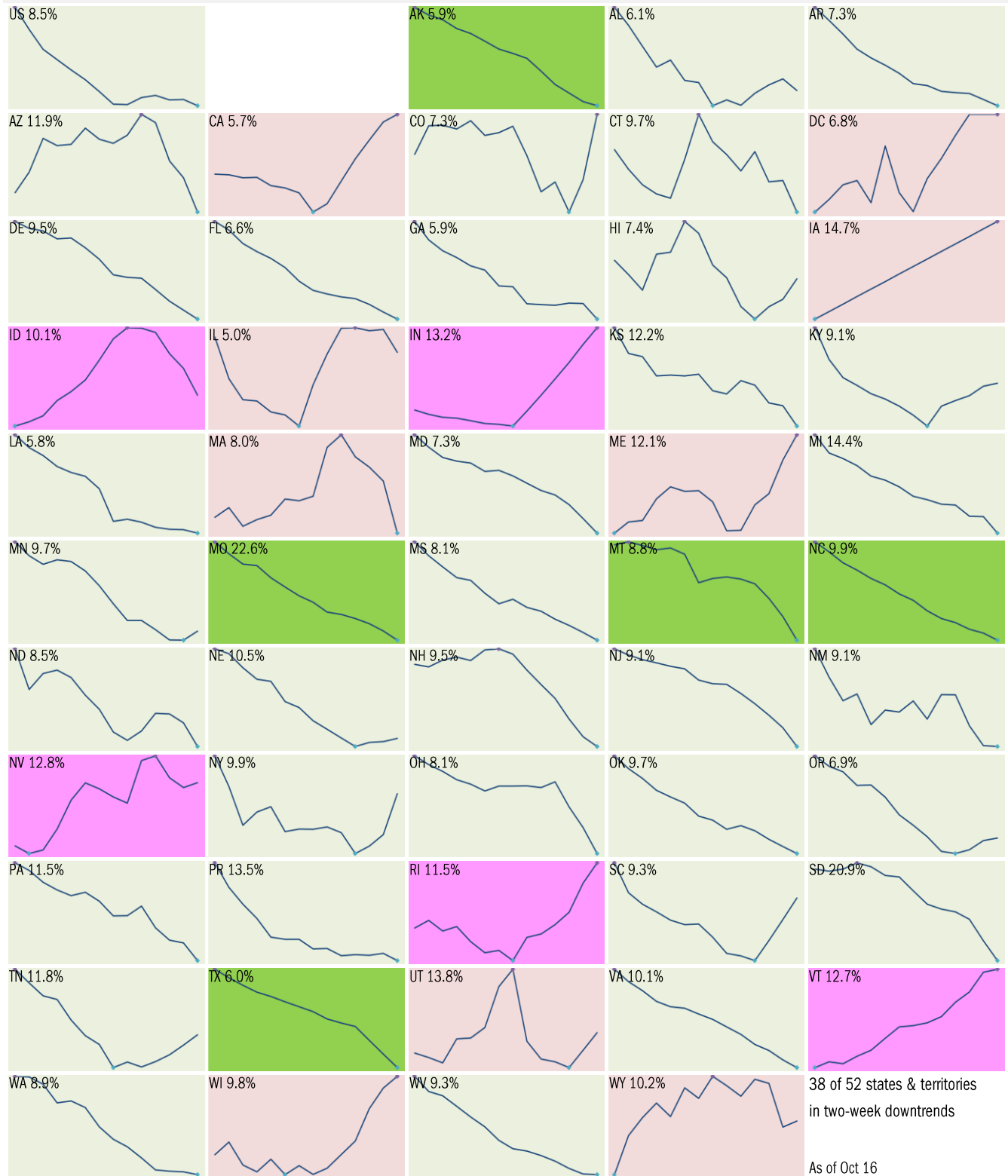


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

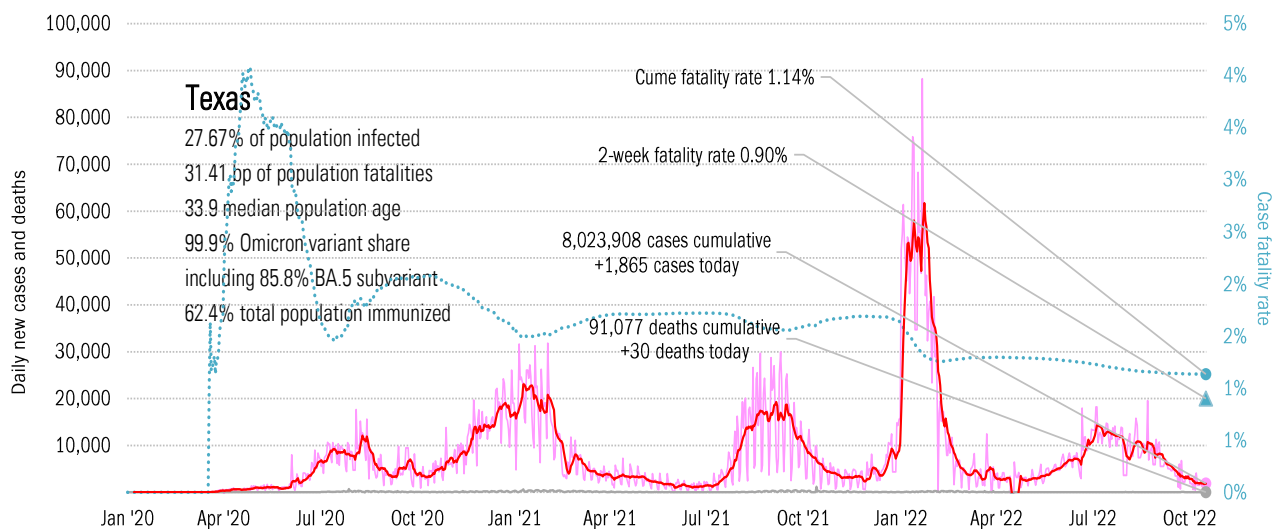
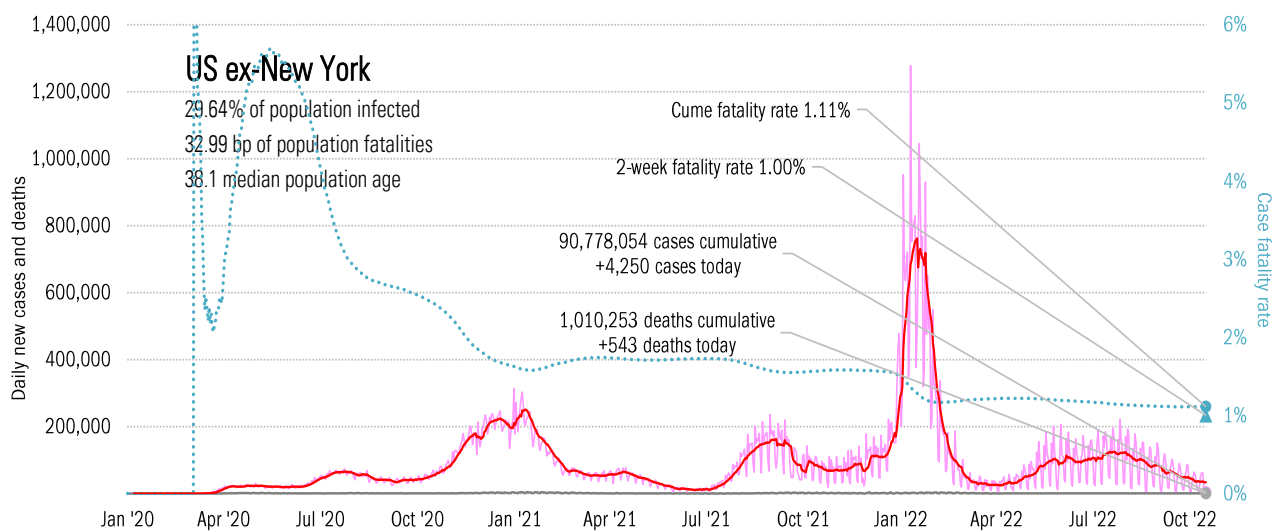
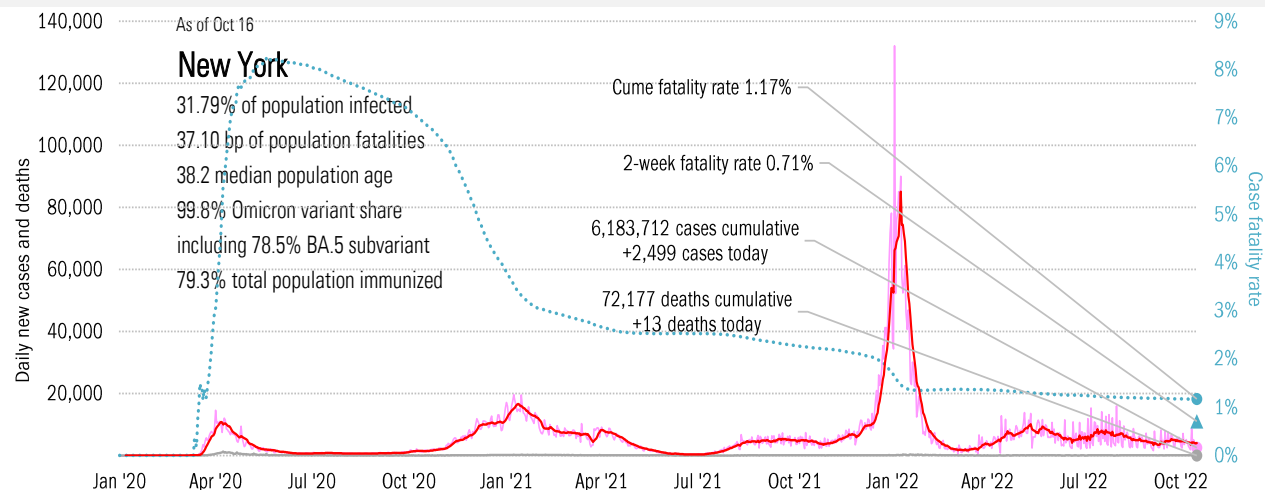
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

From Ground Zero to the Rio Grande

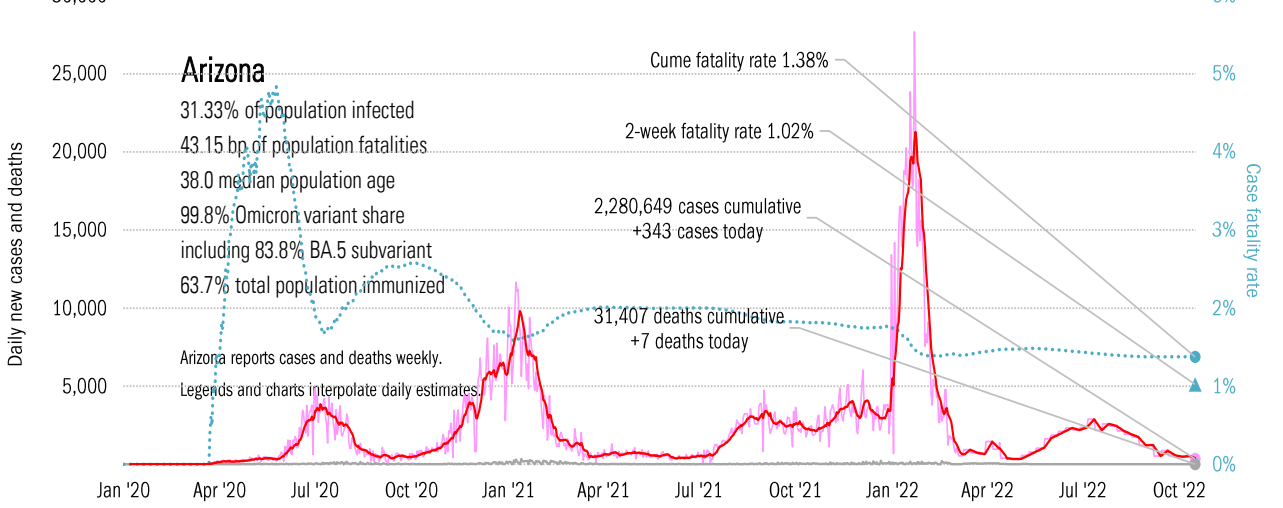
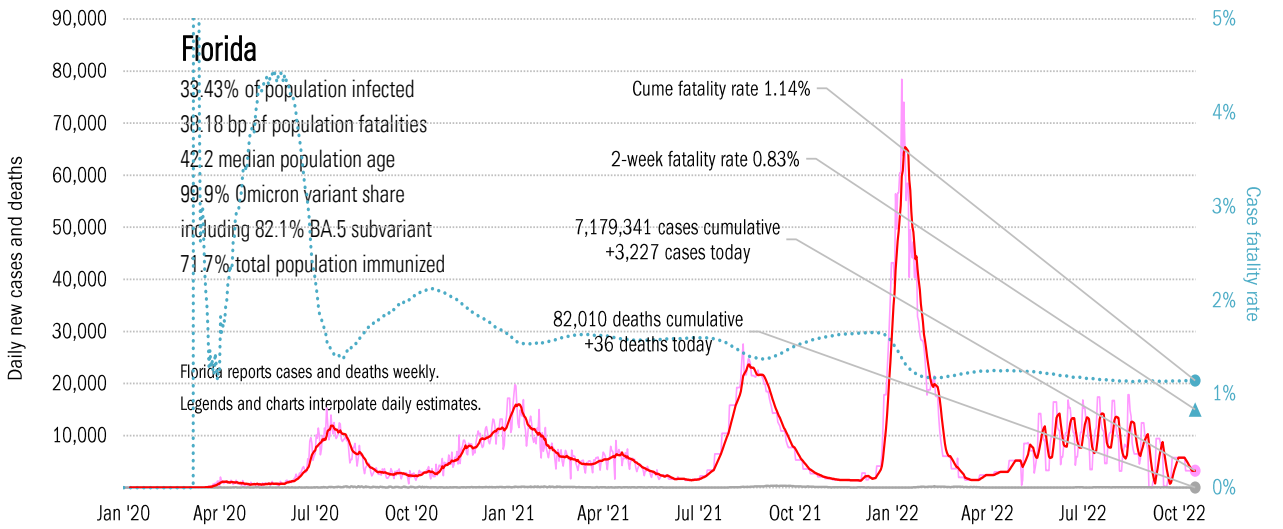
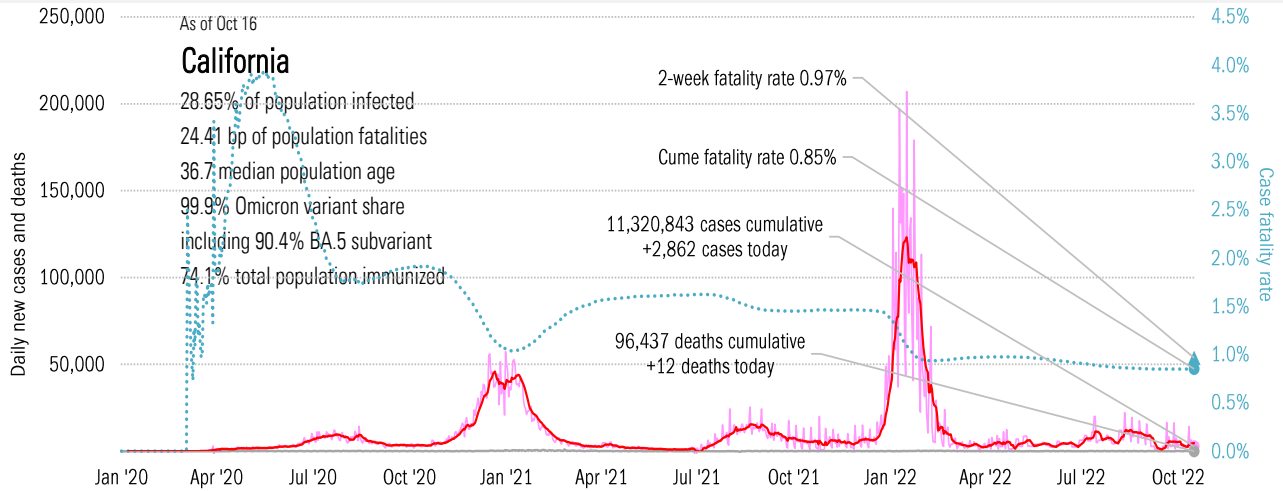
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

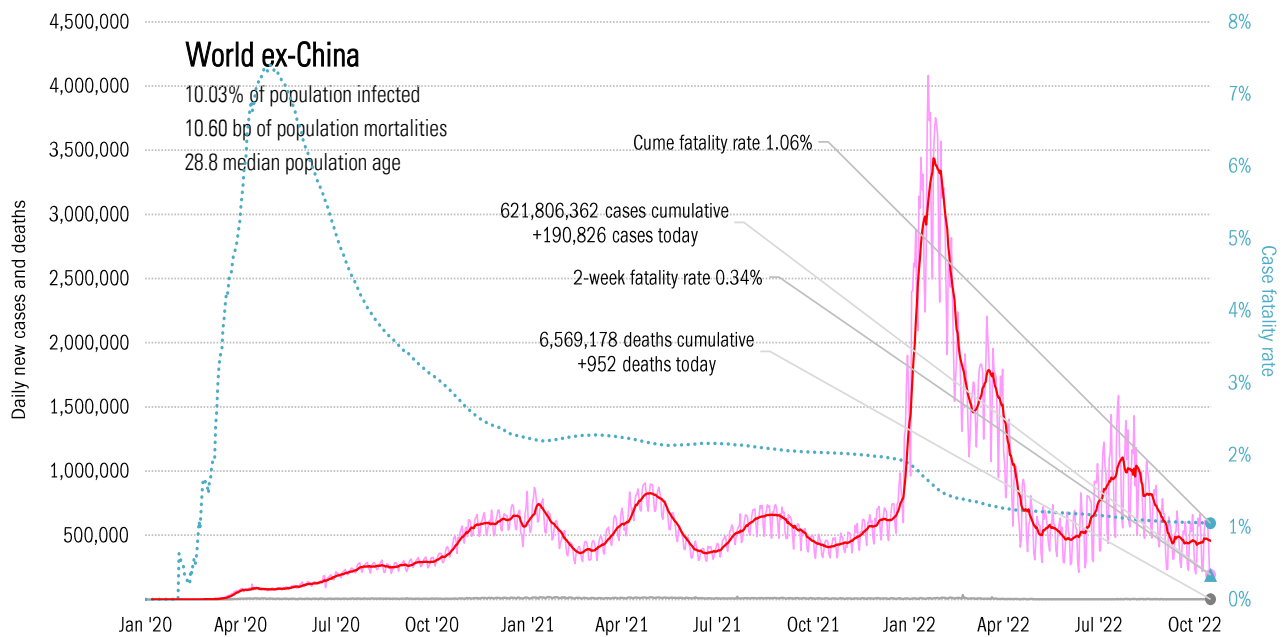
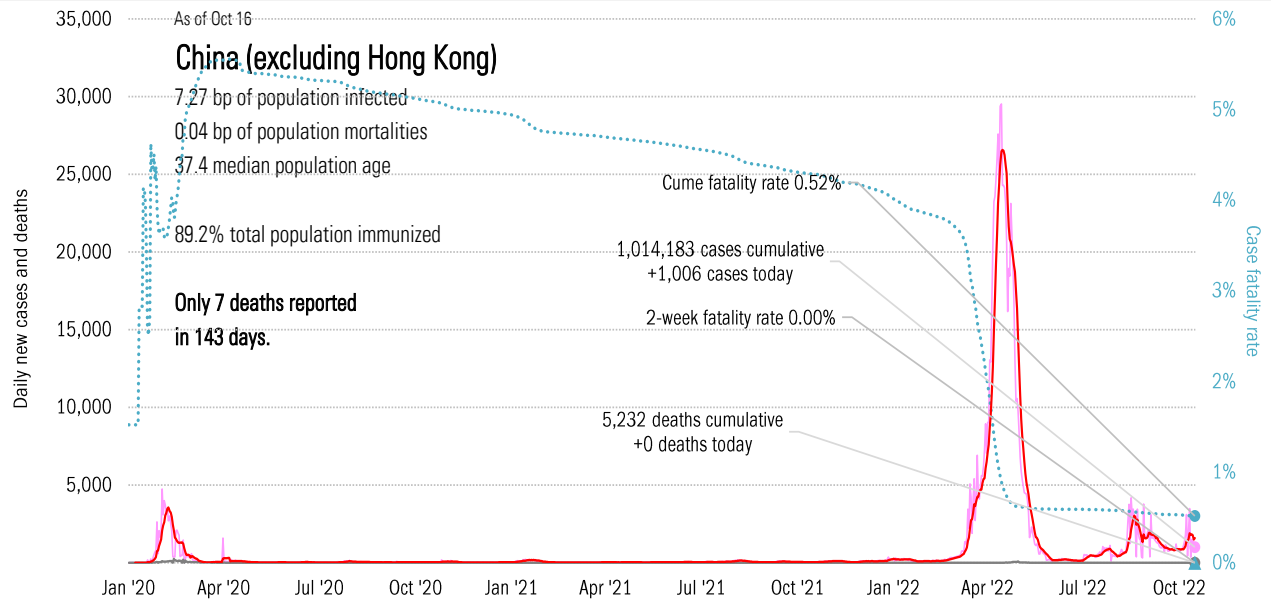
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

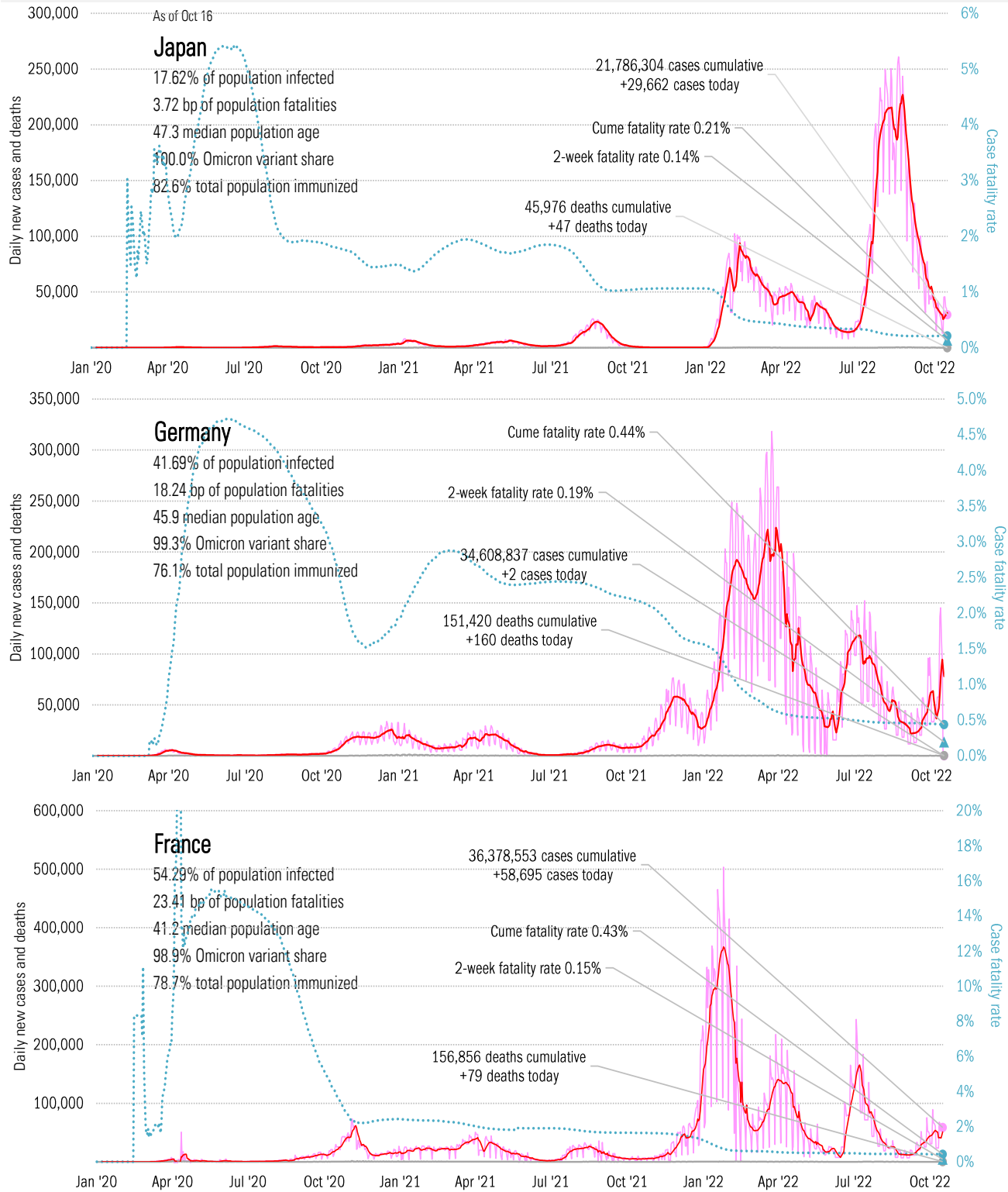
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

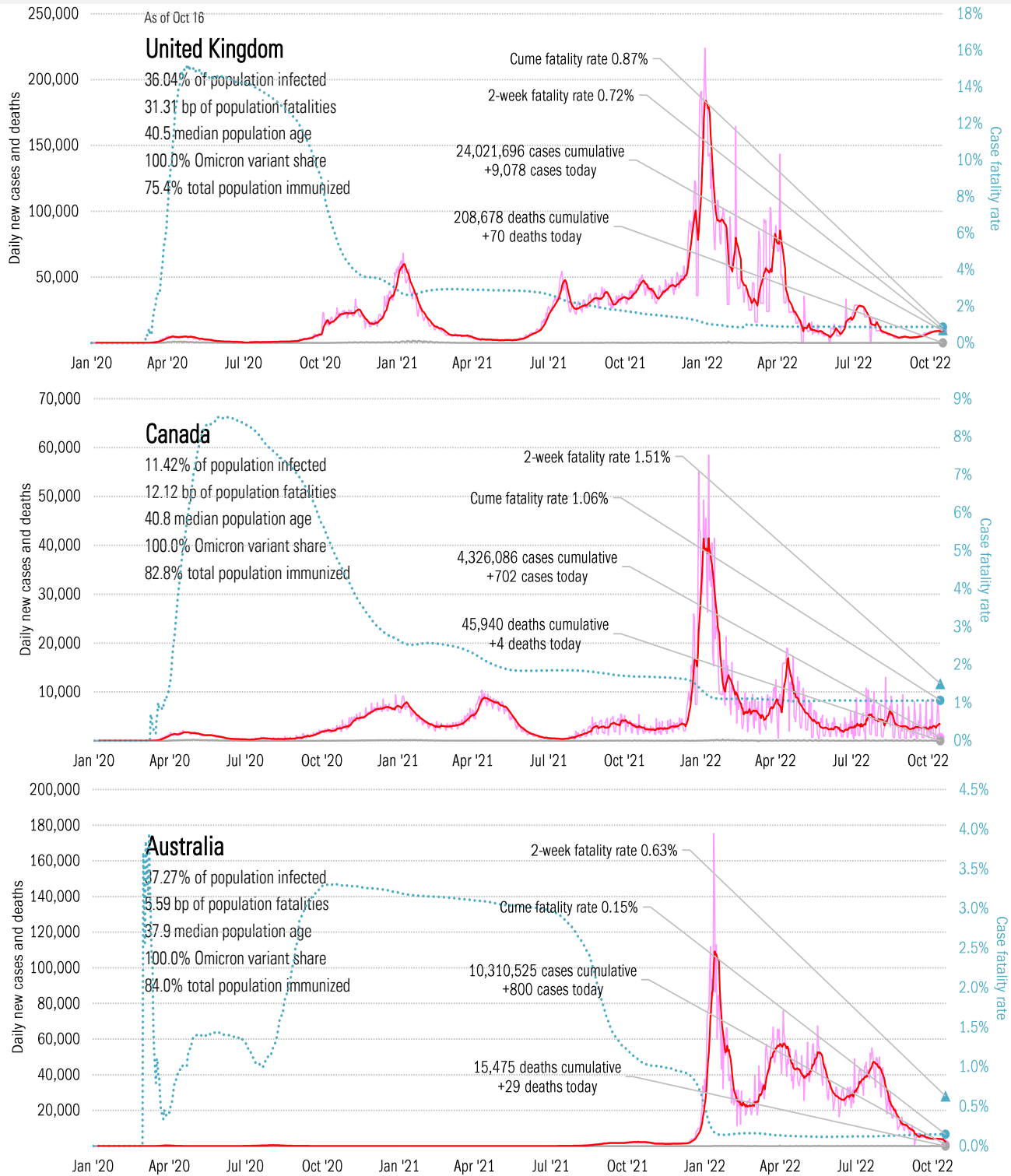
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

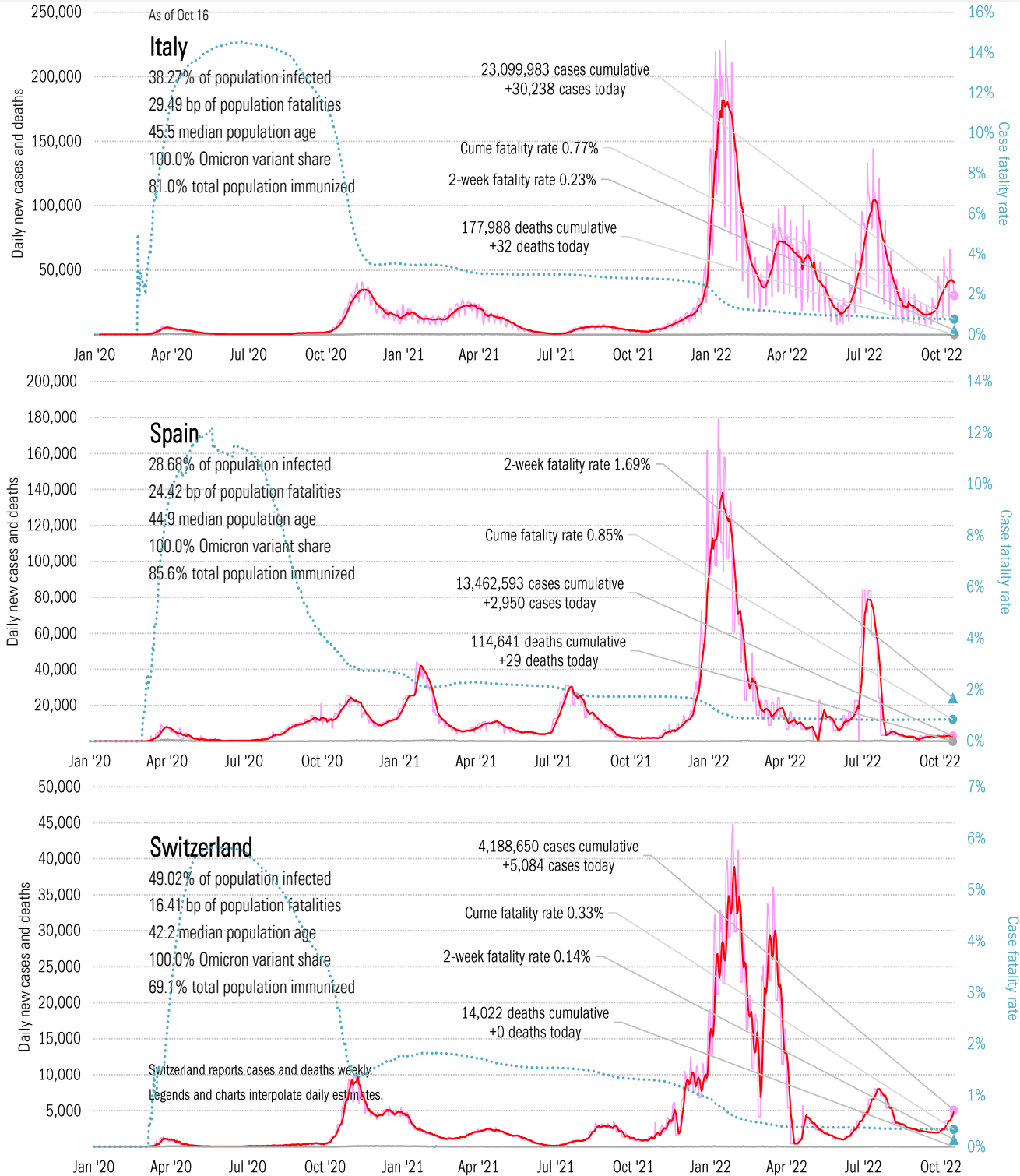
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

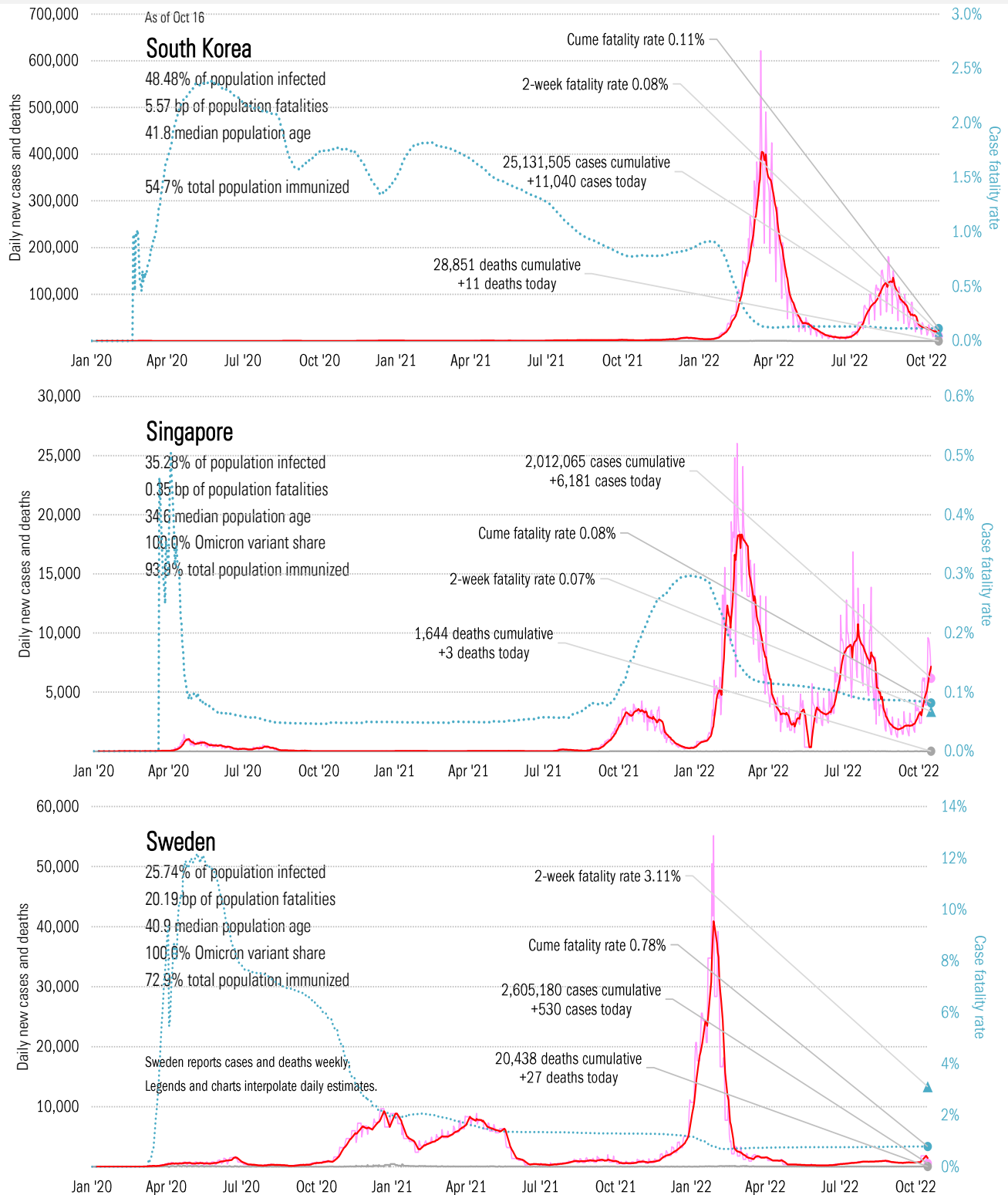
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

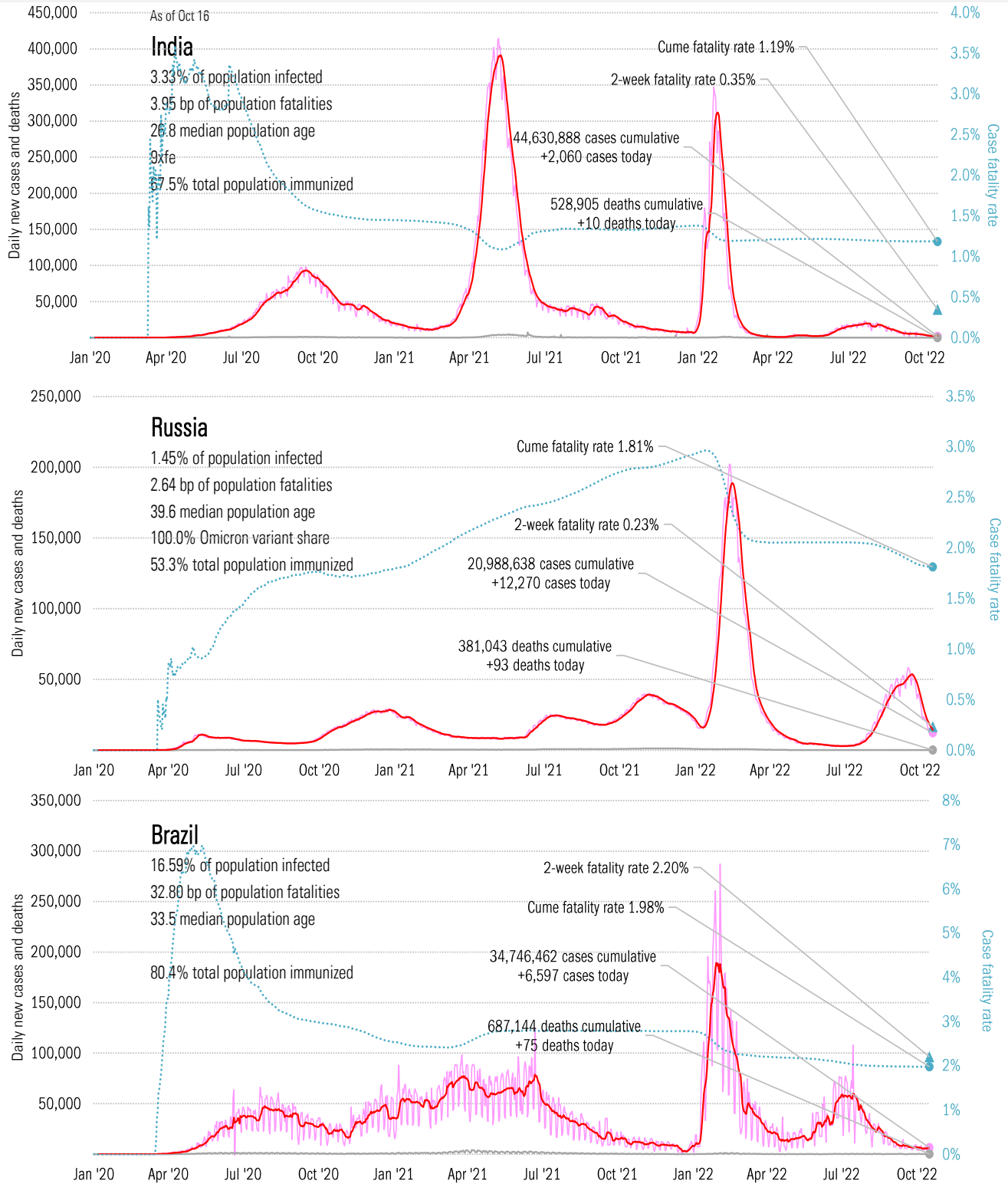
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

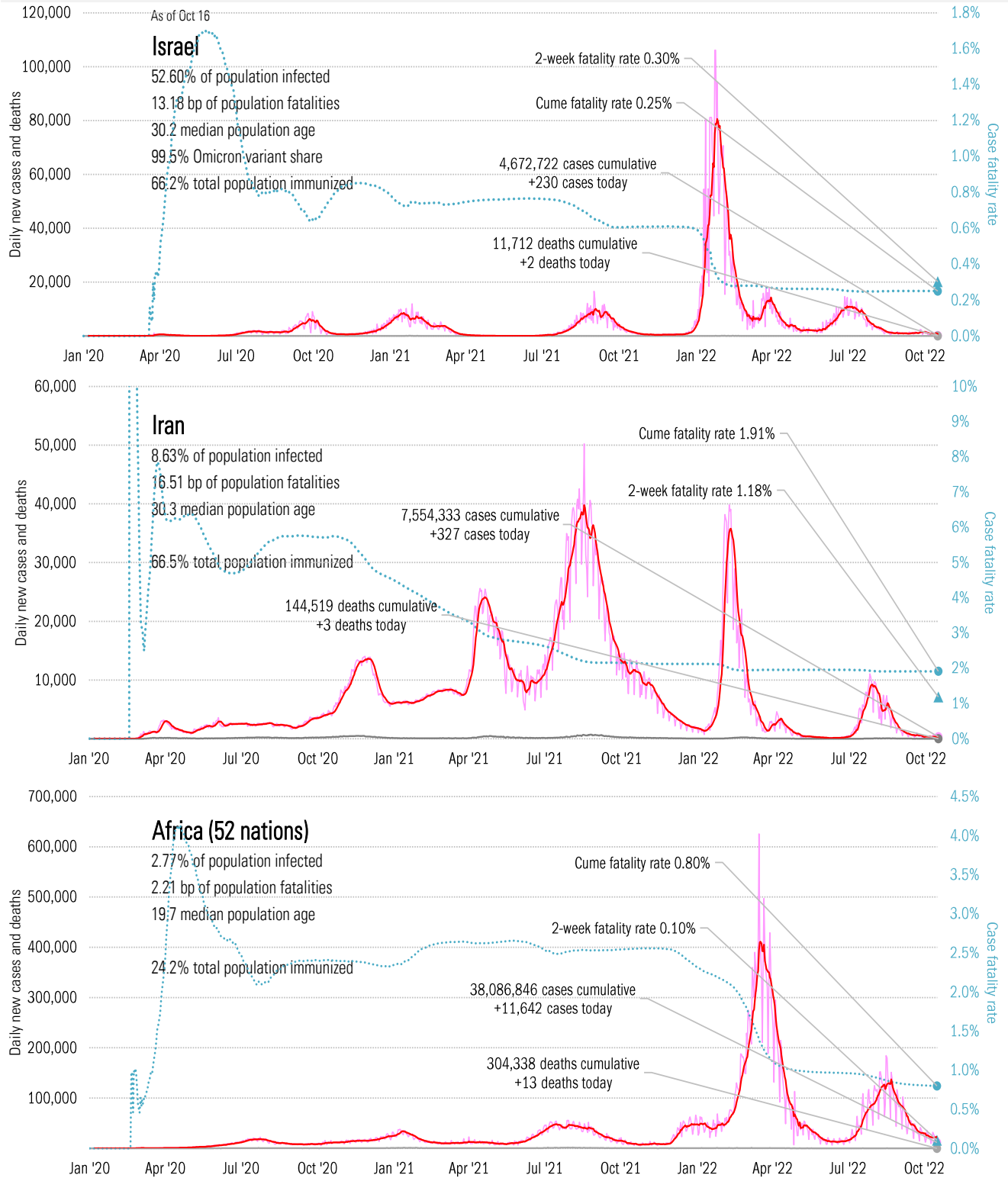
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

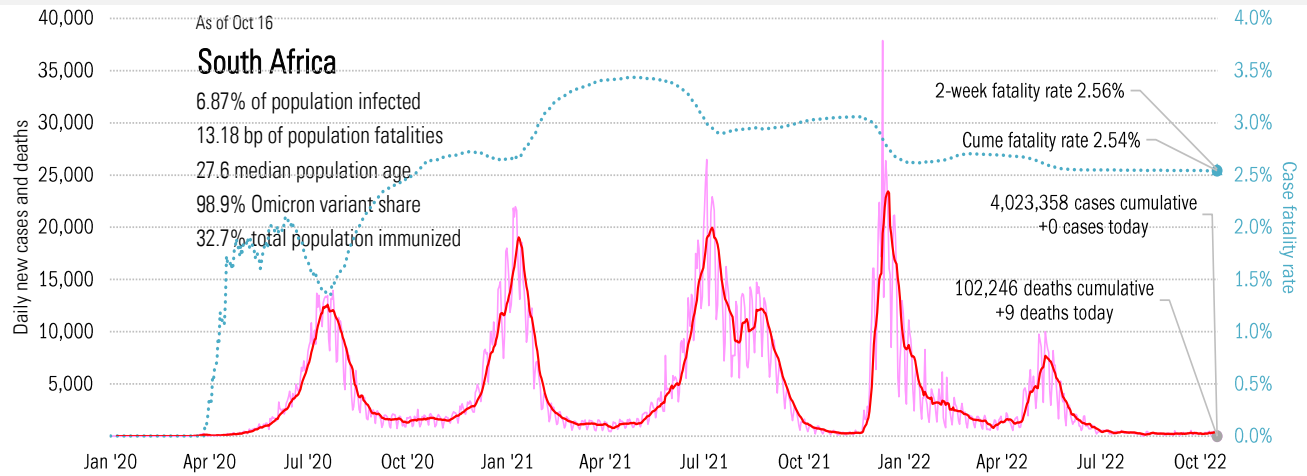
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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