

Data Insights: Covid-2019 Monitor

Sunday, October 23, 2022

The global scorecard

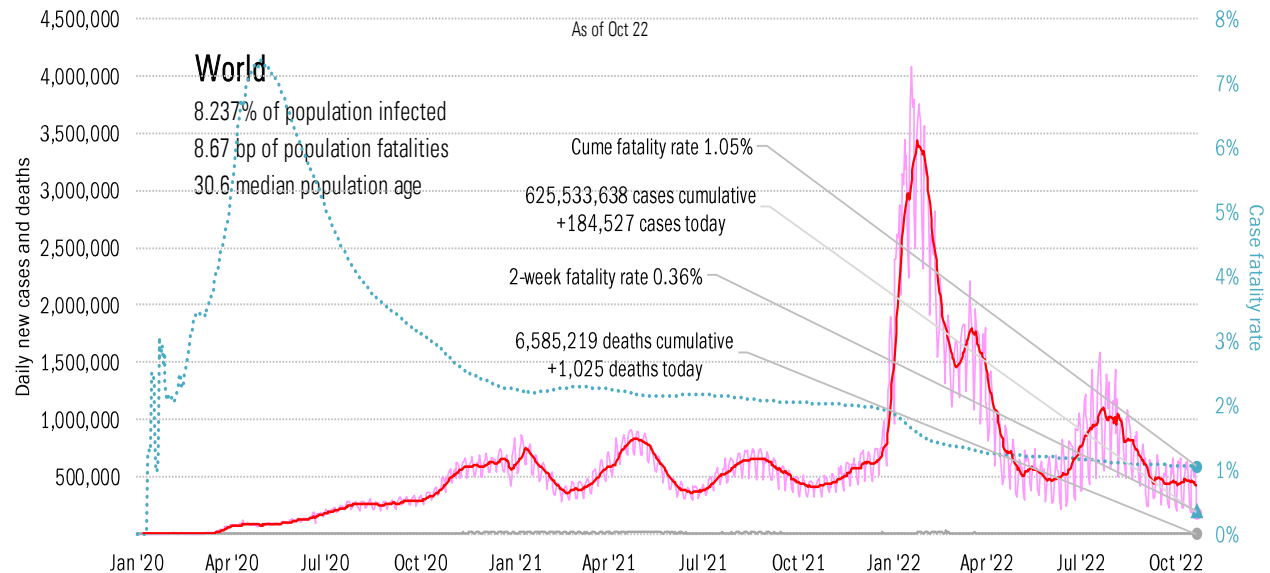
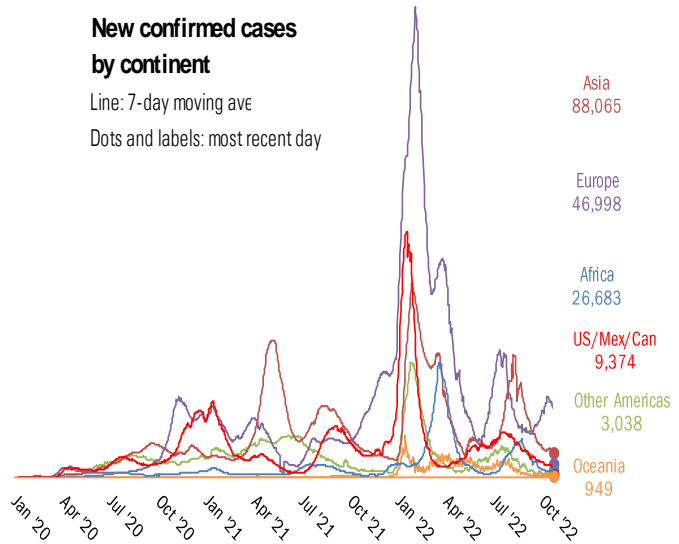
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	43,529	United States	637
Taiwan*	35,624	Italy	92
Japan	34,173	Russia	88
Italy	31,775	Japan	78
Korea, South	26,256	Taiwan*	52
Russia	9,241	Philippines	36
Singapore	6,339	Chile	22
Chile	5,989	Indonesia	18
Malaysia	2,618	Korea, South	16
Indonesia	2,087	Poland	14
197,631		1,053	
World	184,527	World	1,025
Top ten	107%	Top ten	103%

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

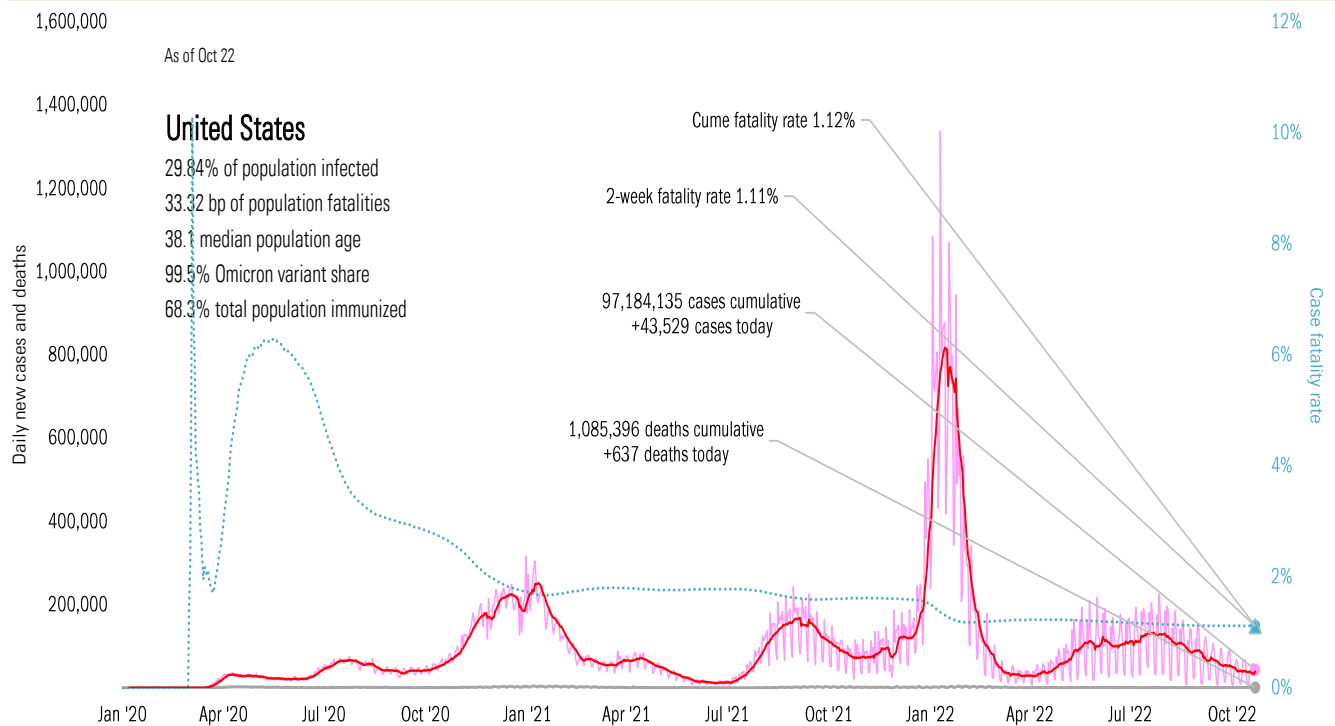
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MO	3,334		NY	218		NY	383		CA	11,341,915		CA	96,692		TX	549,514		RI	92%	VT	88%
TX	3,148		IN	47		CO	55		TX	8,024,489		TX	91,081		CA	506,642		MA	88%	RI	87%
FL	2,865		TX	46		MI	147		FL	7,185,071		FL	82,240		FL	497,425		MN	85%	MA	85%
NY	2,368		FL	38		IL	160		NY	6,212,702		NY	72,585		NY	307,357		MO	84%	TX	84%
CA	1,989		MI	25		MN	78		IL	3,796,038		PA	47,582		GA	227,250		MD	84%	AK	84%
IL	1,975		WA	23		IN	75		PA	3,291,589		GA	40,552		CH	221,453		WA	84%	NH	83%
WA	1,949		PA	20		CH	173		NC	3,220,858		CH	40,111		PA	207,645		DE	84%	NC	83%
MI	1,773		VA	17		TX	177		CH	3,173,375		IL	39,899		IL	189,672		DC	83%	VA	83%
NJ	1,646		MO	16		CA	277		GA	2,917,301		MI	39,092		MI	165,514		WV	83%	AL	82%
CH	1,585		CA	15		AZ	59		MI	2,874,009		NJ	34,860		KY	146,103		NH	82%	DC	82%
22,633			465			1,584			52,037,347			584,694			3,017,575						
All states	43,529		637			3,424			All states	97,184,135		1,085,396			5,477,126			All states	70%	67%	
Top ten	52%		73%			46%			Top ten	54%		55%			55%			Median	77%	74%	

Some states not reporting

Five most improved US states

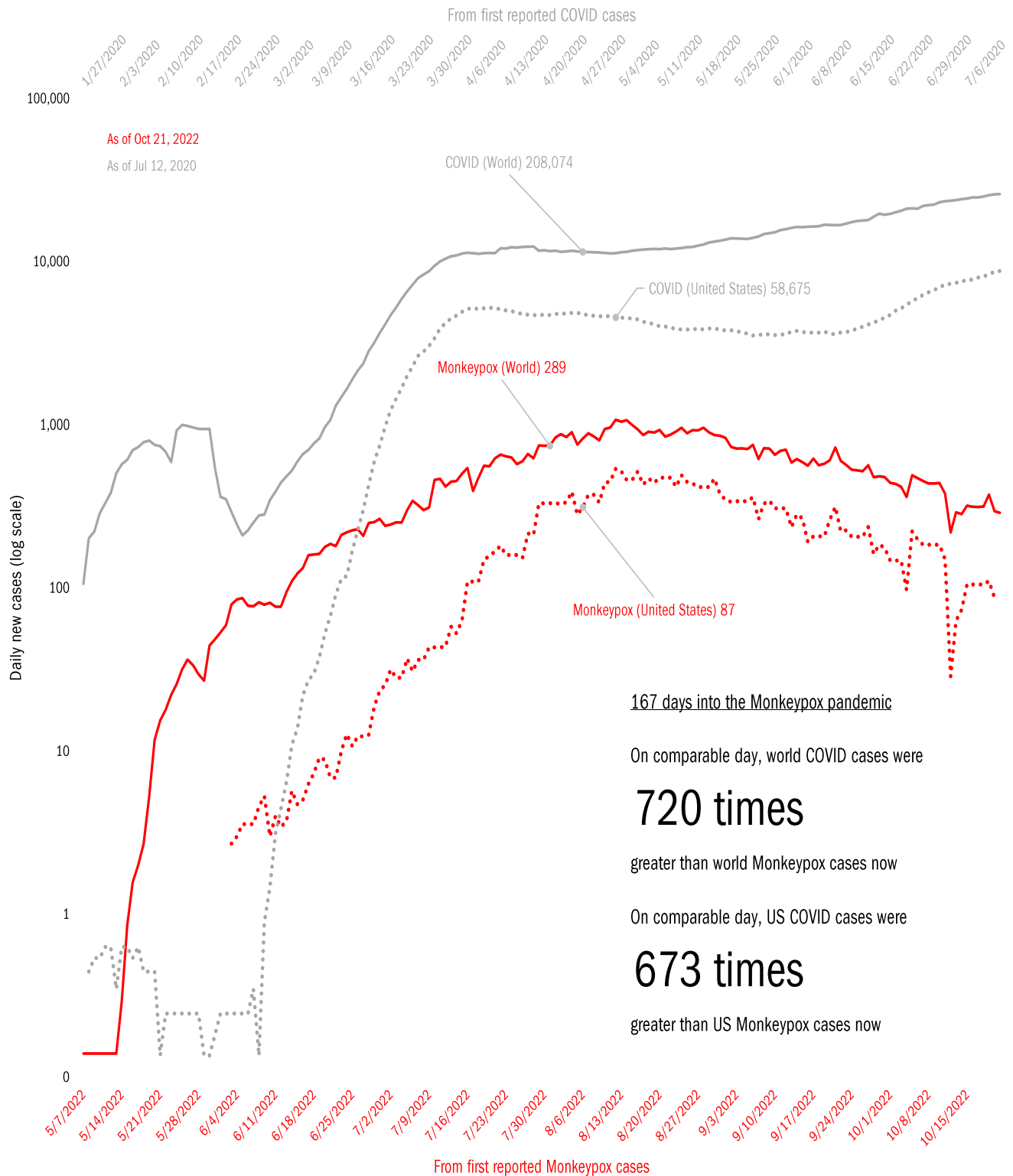
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-2,272	NJ	-4	MD	-29
NJ	-440	ME	-3	LA	-18
CT	-62	CT	-1	FR	-18
AR	-46	AK	0	KS	-14
ME	-30	AL	0	VA	-13



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

The Monkeypox contextualizer

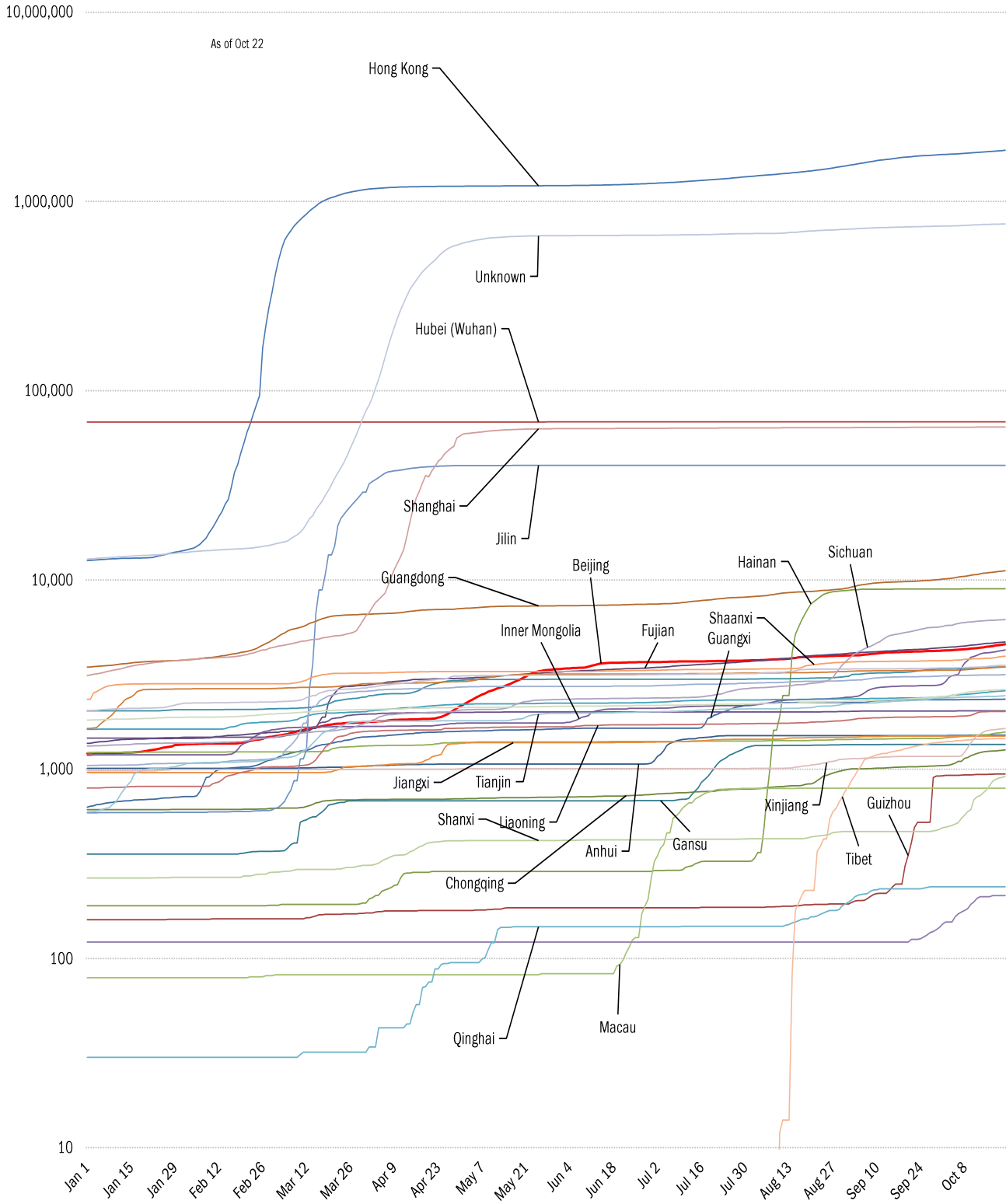
The course of case growth versus COVID



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"

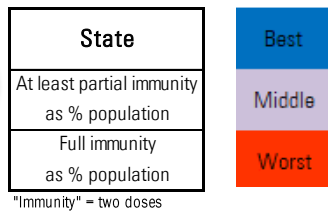
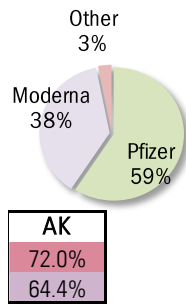


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

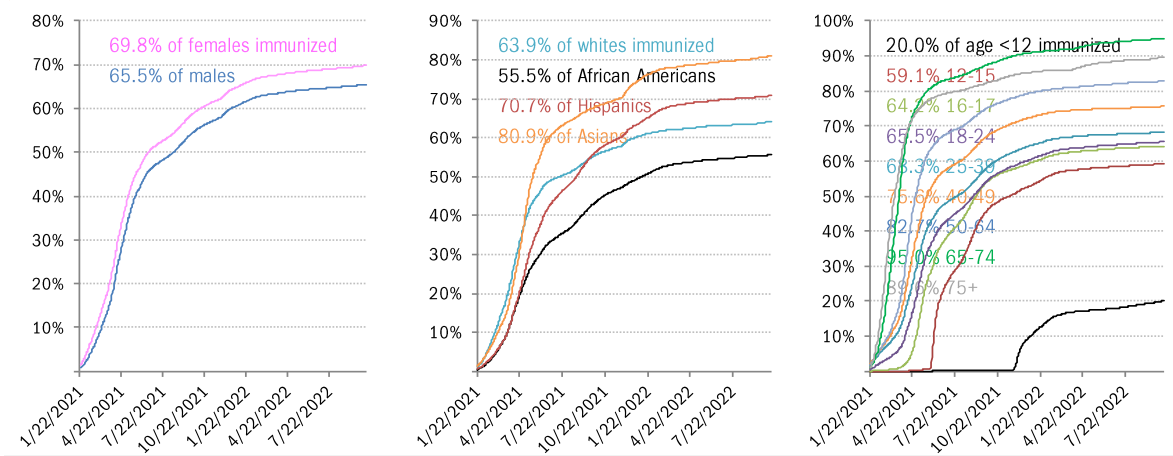
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	648,750,535		+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892		+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,846,111	82%	233,314,181	70%	+0.058 million	France 78.7% 81.0%
Age 12 to 17	18,280,111	72%	15,624,127	62%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	182,419,383	90%	155,060,039	76%	+0.029 million	Germany 76.1% 77.7%
Age 65 and over	60,341,000	100%	52,811,521	96%	+0.016 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.3% 72.3%
						Canada 82.9% 88.1%
						Japan 82.6% 83.7%
						Africa 24.2% 30.1%
						India 67.5% 73.0%
						Brazil 80.4% 87.4%
						China 89.2% 91.4%



As of Oct 21

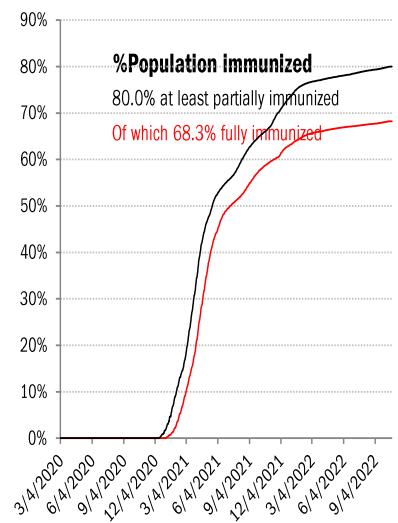
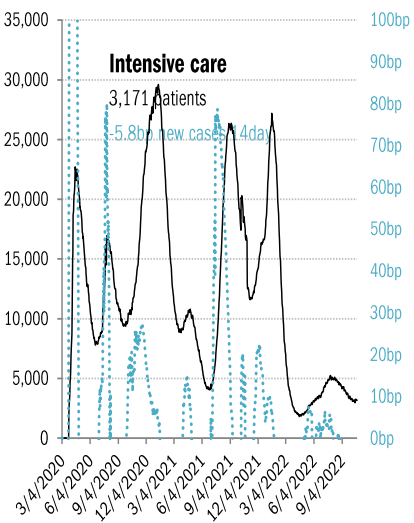
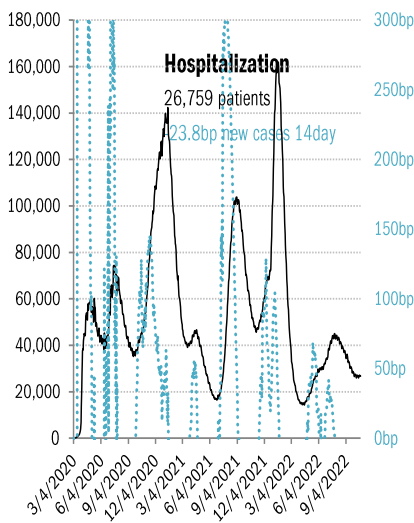
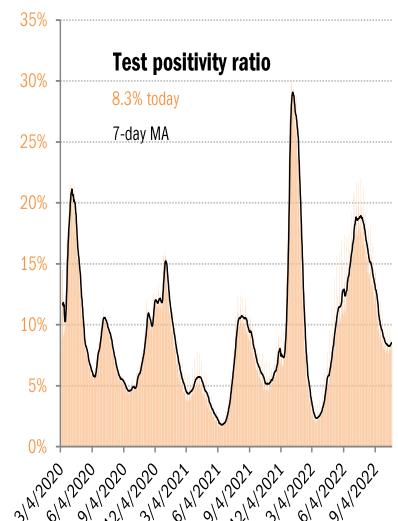
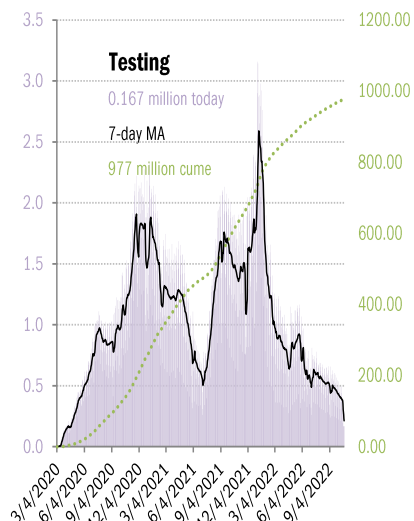
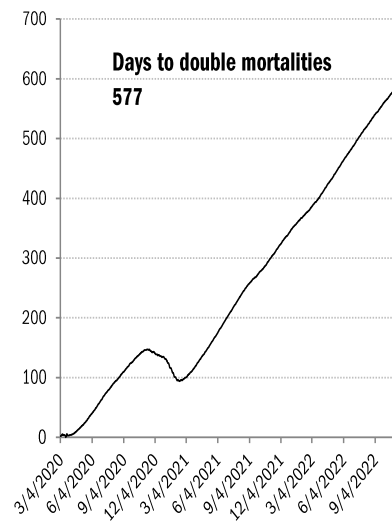
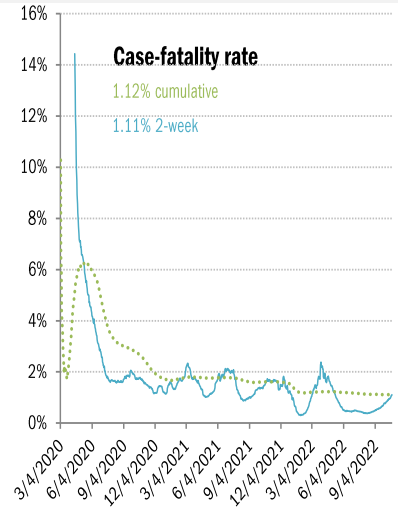
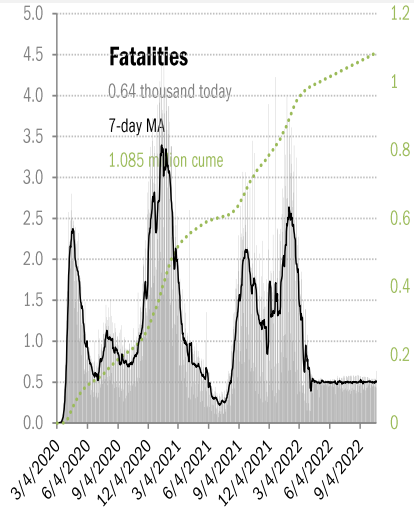
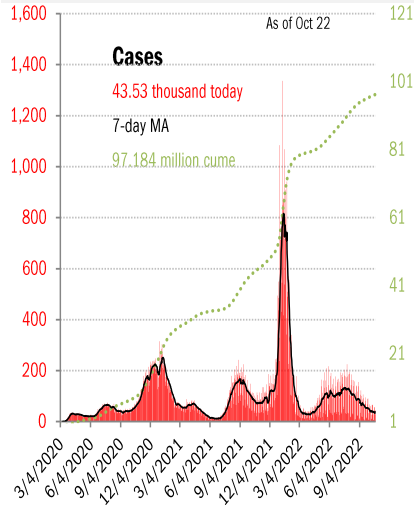
State	Best	Middle	Worst
AK	72.0%	64.4%	
WI	73.9%	67.3%	
ME	94.6%	82.1%	
NY	92.9%	79.4%	
VT	95.0%	83.9%	
NH	84.8%	69.7%	
OR	80.2%	71.3%	
NV	77.6%	62.6%	
WY	59.8%	52.3%	
SD	81.0%	64.6%	
IA	69.7%	63.5%	
IN	63.6%	57.2%	
OH	64.9%	59.7%	
PA	88.5%	71.5%	
NJ	93.2%	77.9%	
MA	95.0%	82.2%	
CA	85.2%	74.2%	
UT	74.3%	65.9%	
CO	82.2%	72.4%	
NE	72.3%	65.3%	
MO	68.2%	58.0%	
KY	67.9%	58.9%	
WV	66.7%	59.1%	
VA	88.9%	75.4%	
MD	90.0%	78.3%	
CT	95.0%	81.8%	
RI	95.0%	86.1%	
AZ	76.4%	63.8%	
NM	91.7%	73.7%	
KS	74.9%	64.1%	
AR	68.8%	56.1%	
TN	63.8%	55.8%	
NC	89.2%	65.0%	
SC	69.9%	59.0%	
DC	95.0%	82.1%	
DE	86.3%	71.8%	
OK	73.4%	59.4%	
LA	62.3%	54.6%	
MS	61.1%	53.3%	
AL	64.3%	52.5%	
GA	67.3%	56.4%	
HI	90.2%	80.5%	
TX	75.0%	62.4%	
FL	81.4%	68.6%	
PR	95.0%	85.9%	

The demographics of US vaccination

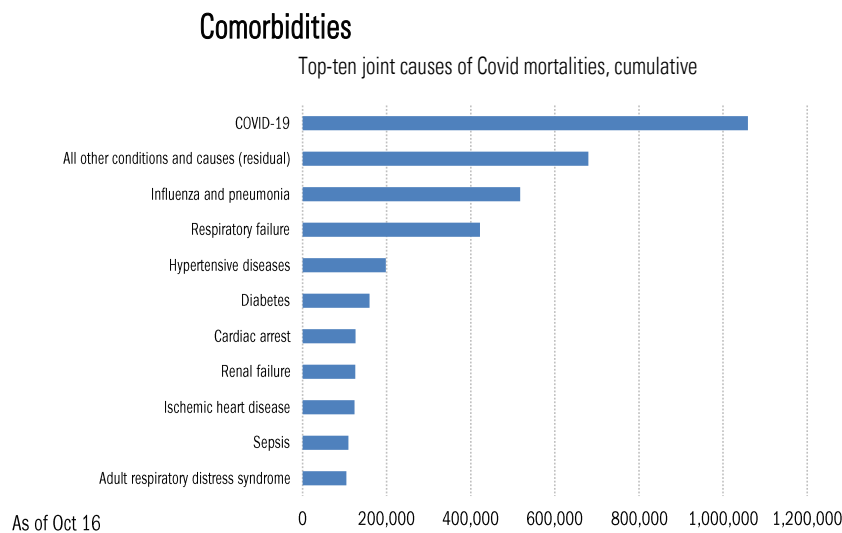
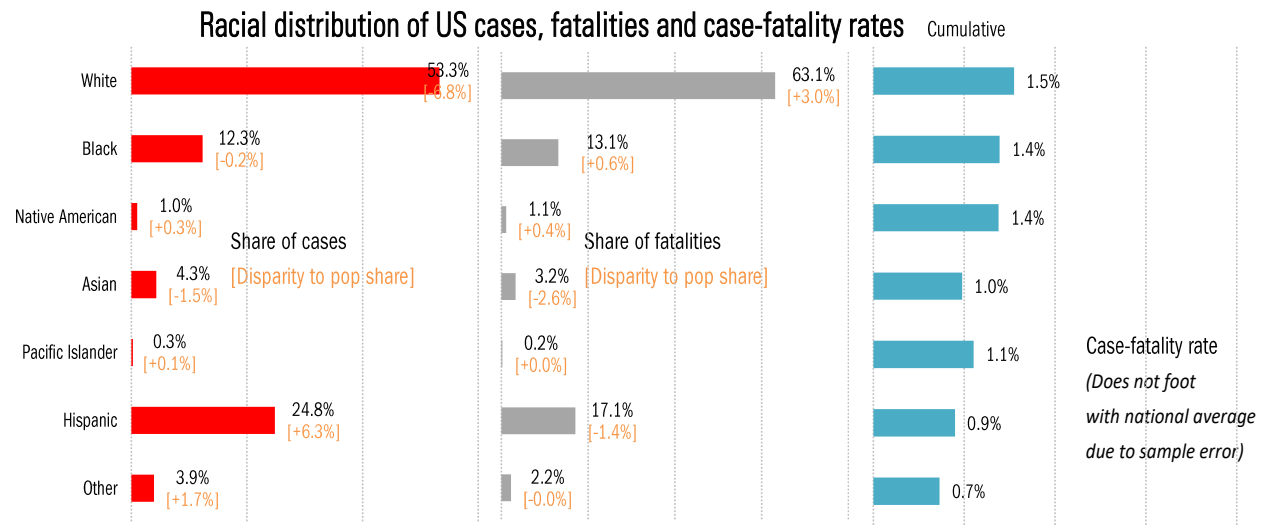
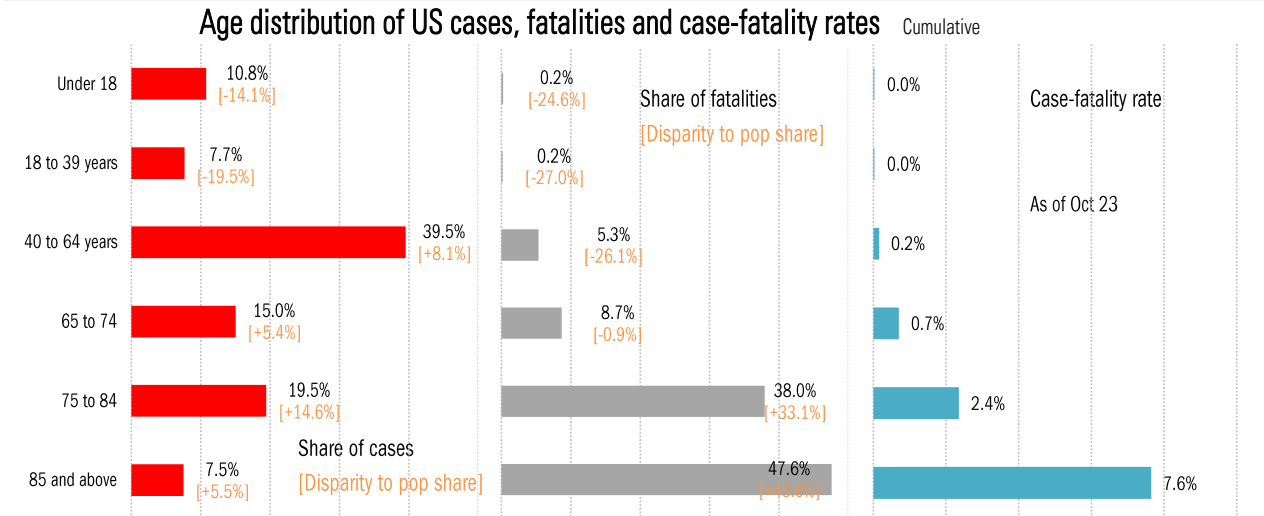


Source: CDC, CDC, Our World in Data, TrendMacro calculations

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

[FDA's vaccines chief sees possibility of more Covid boosters — sooner than he'd like](#)

Helen Branswell
Stat
October 21, 2022

[What has happened to journalism, volume one zillion](#)

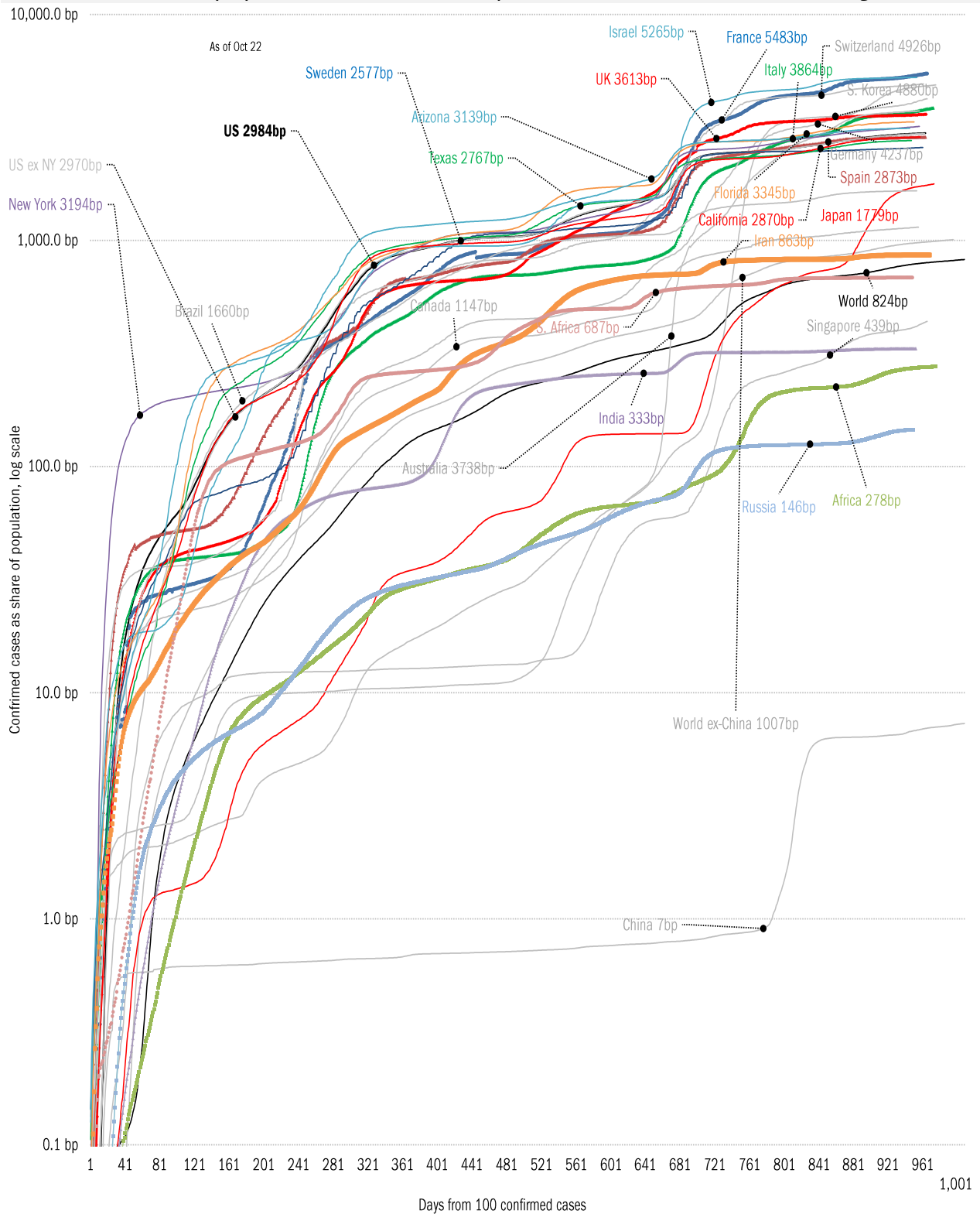
Alex Berenson
Unreported Truths
October 22, 2022

Meme of the day



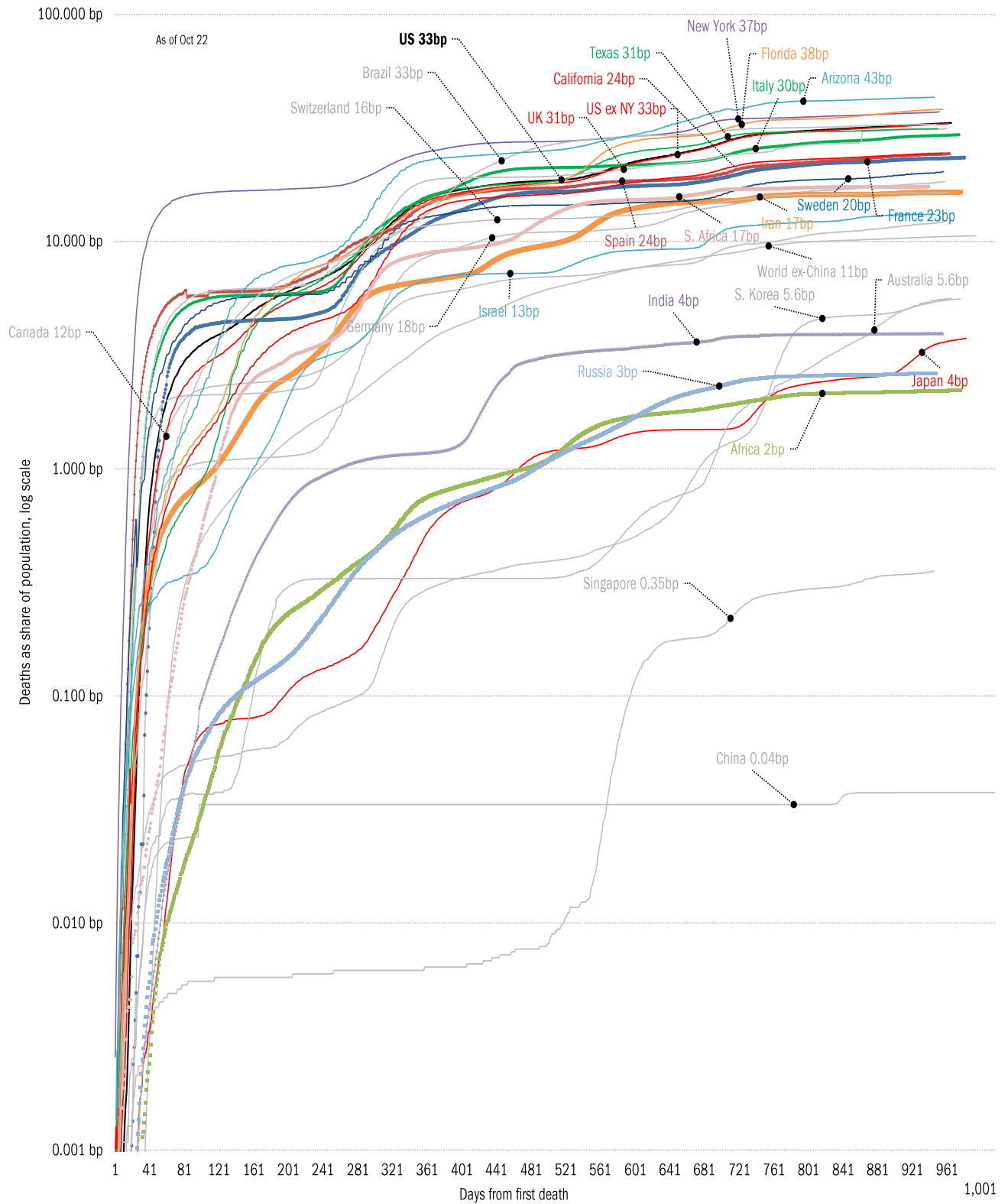
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

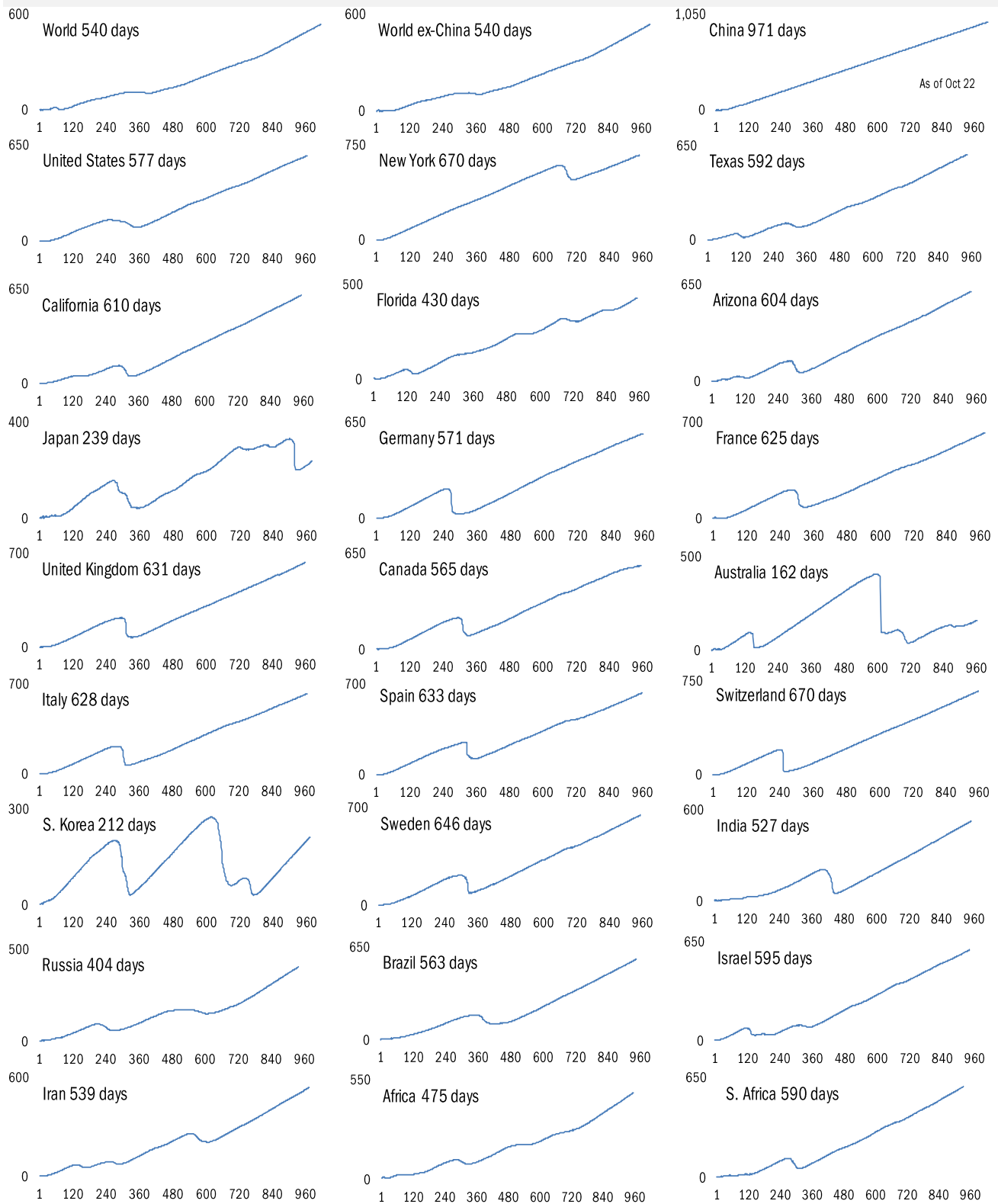


Source: [Johns Hopkins](#), TrendMacro calculations

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

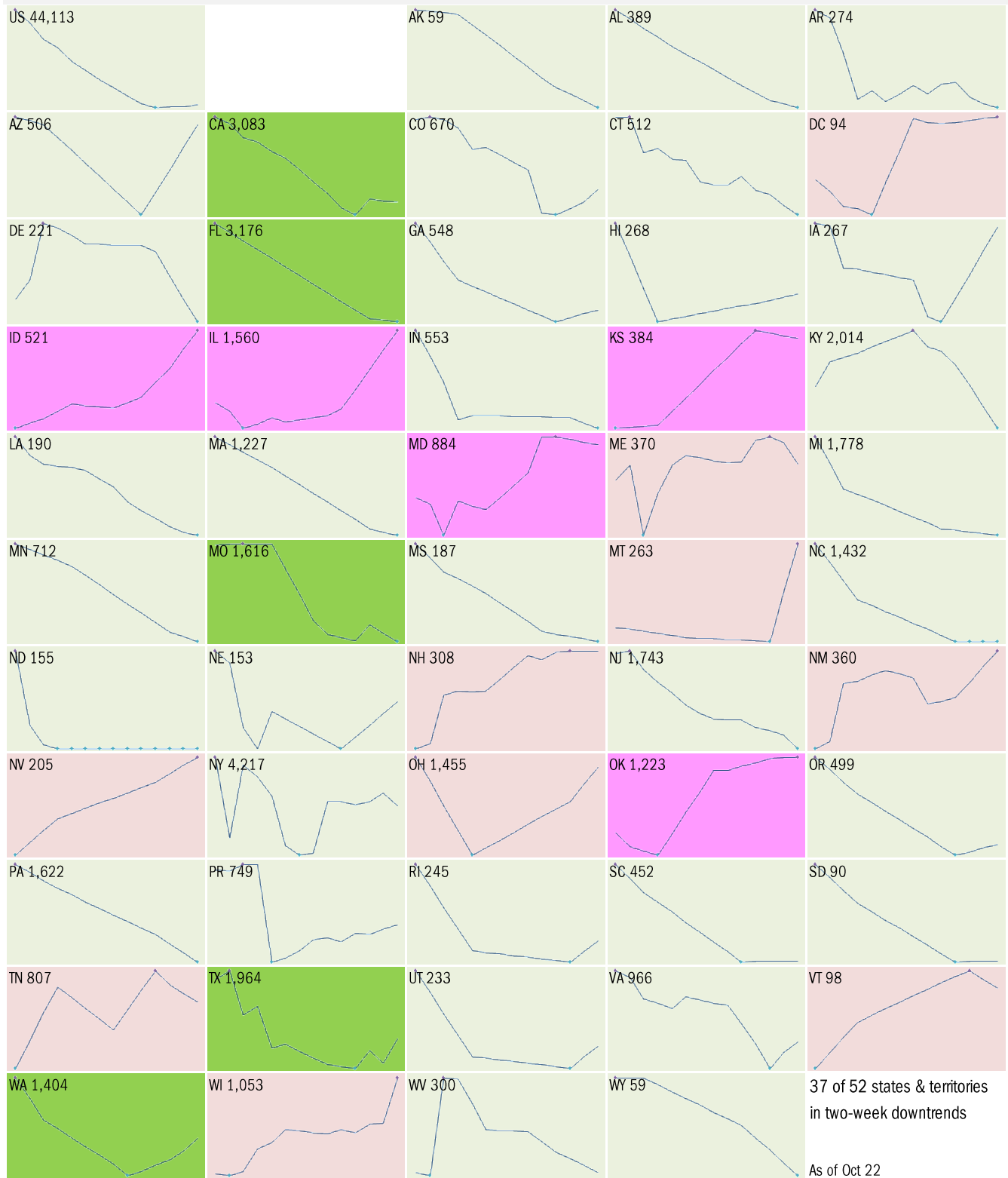


Source: [Johns Hopkins](#), TrendMacro calculations

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

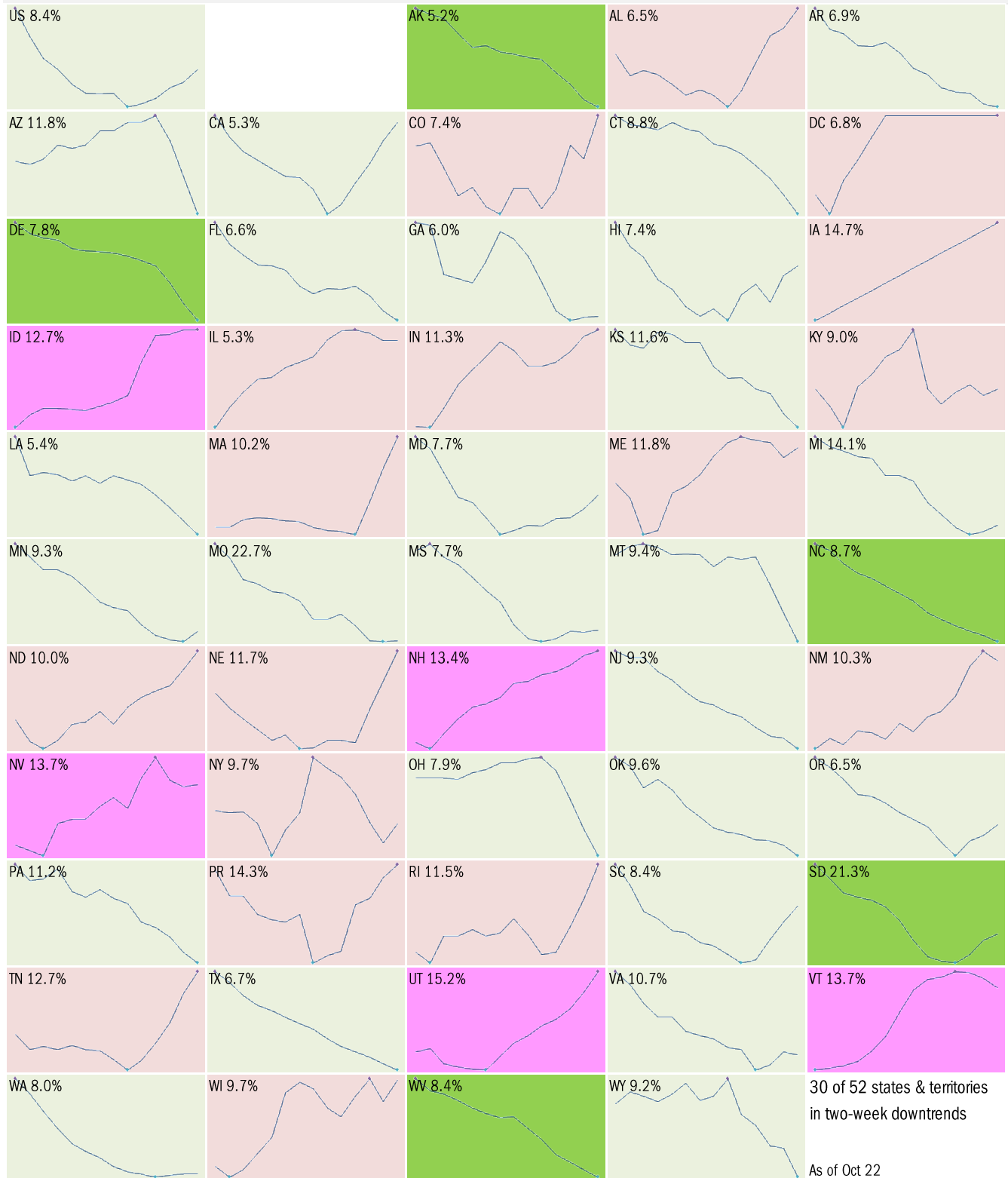


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

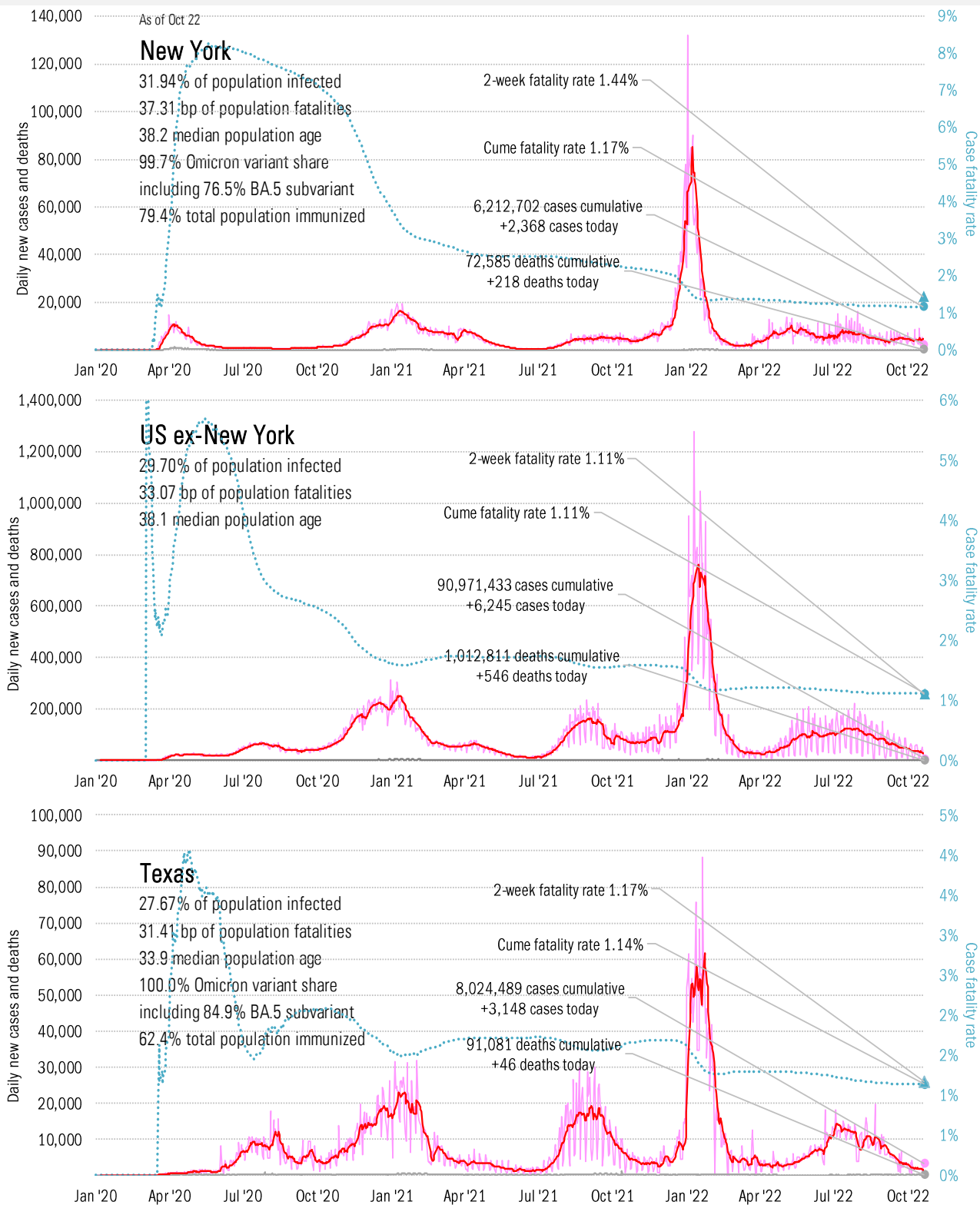
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

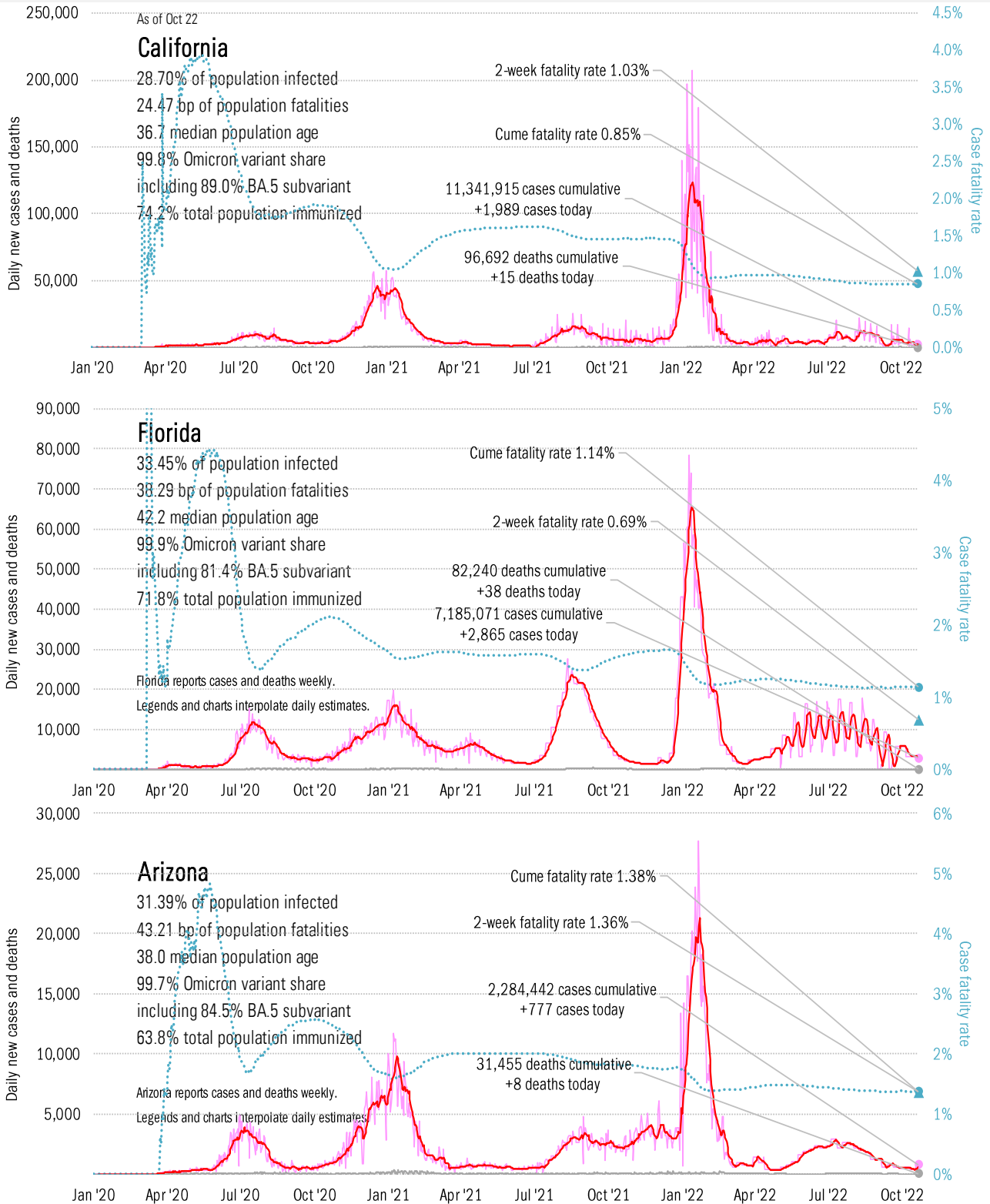
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

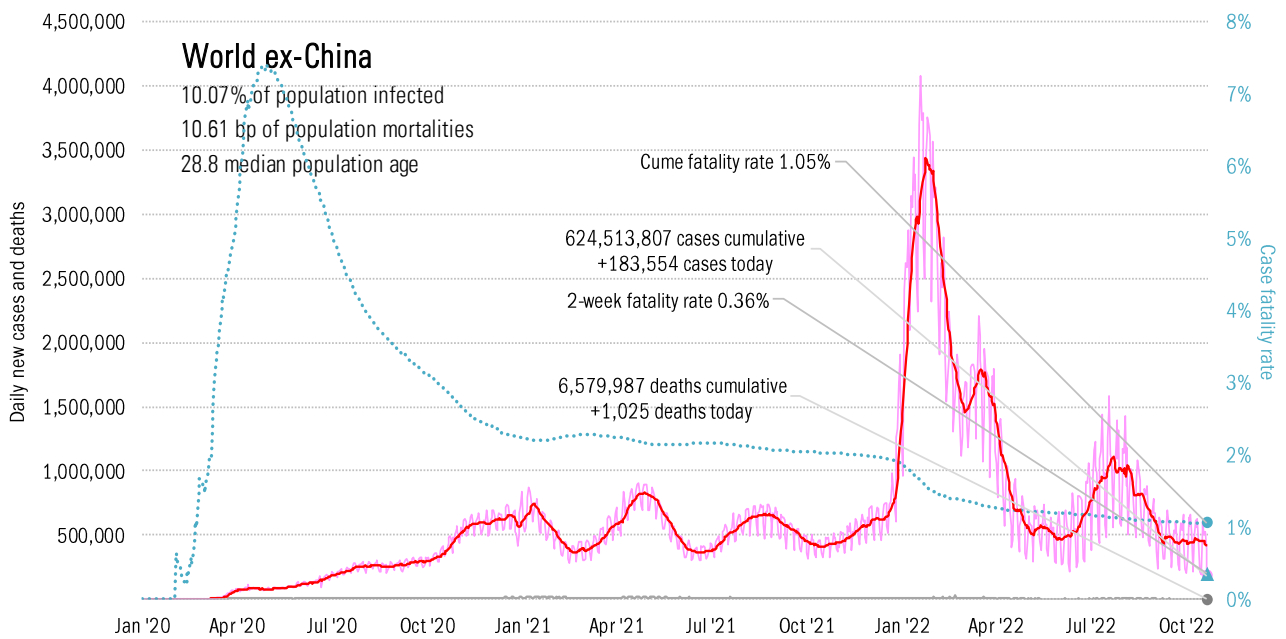
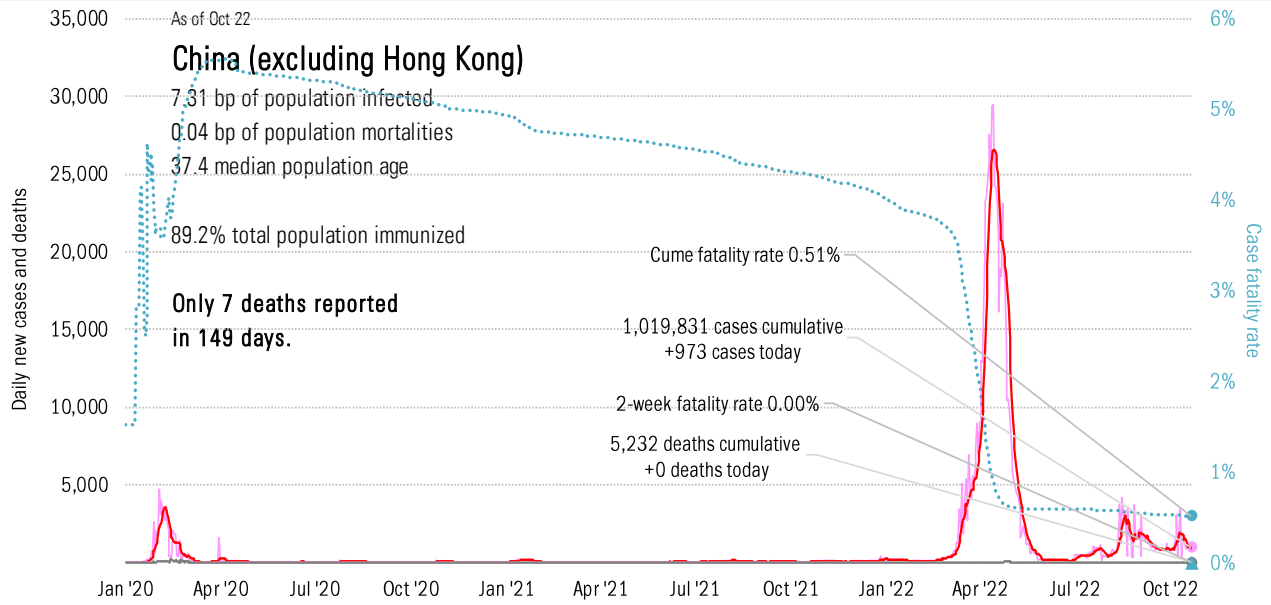
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

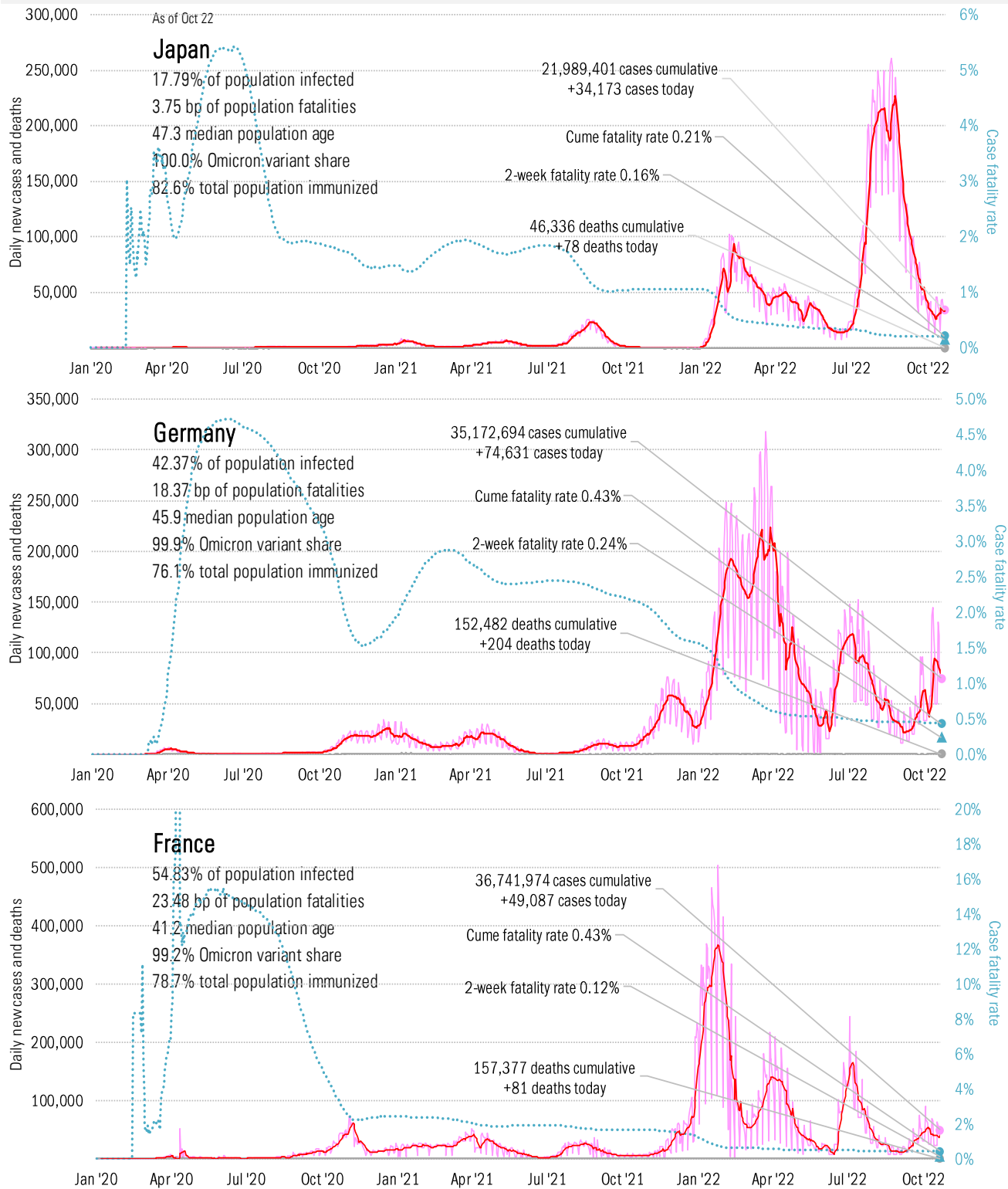
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

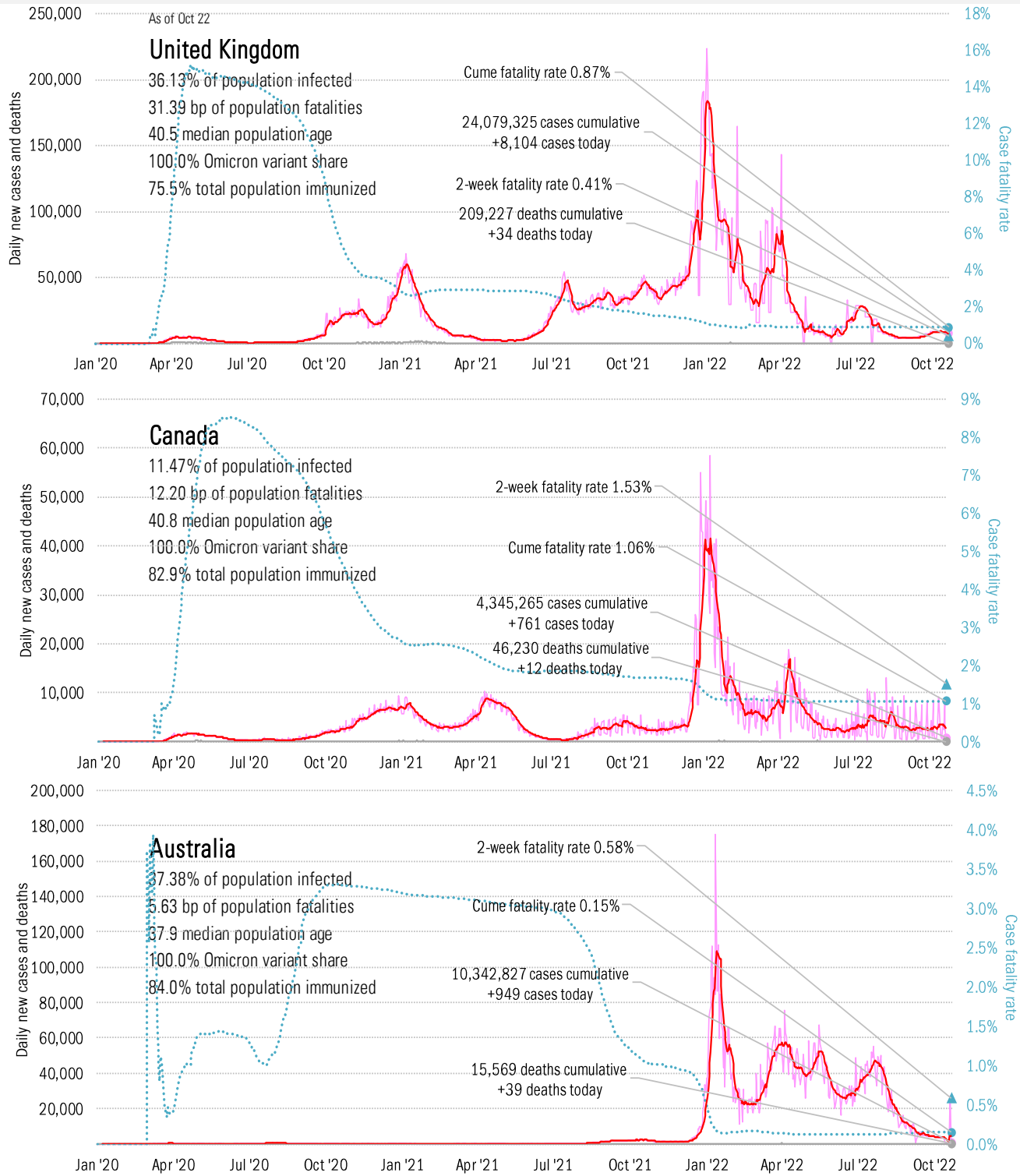
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

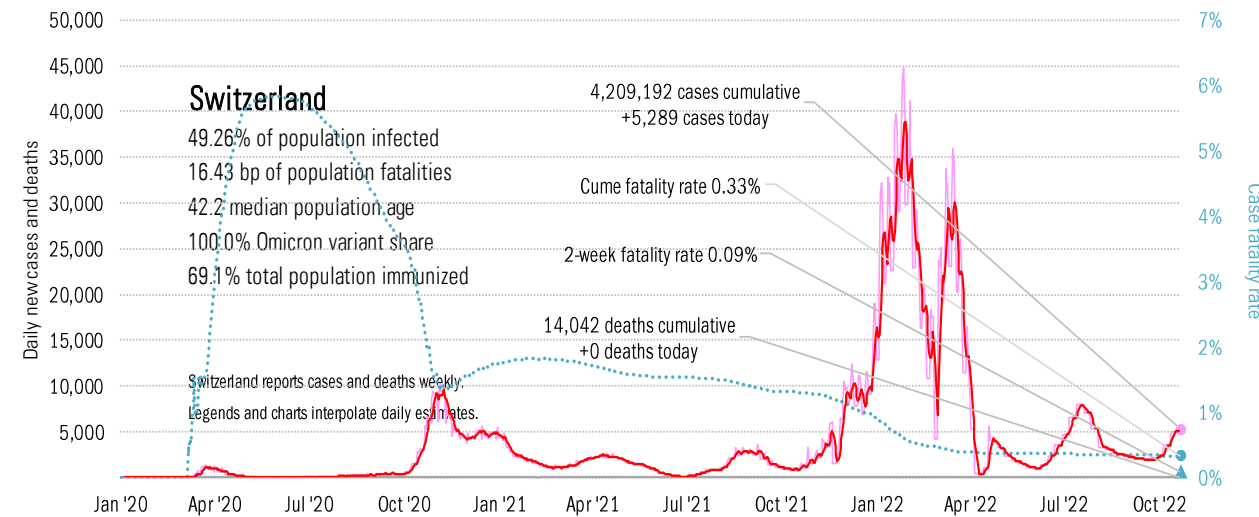
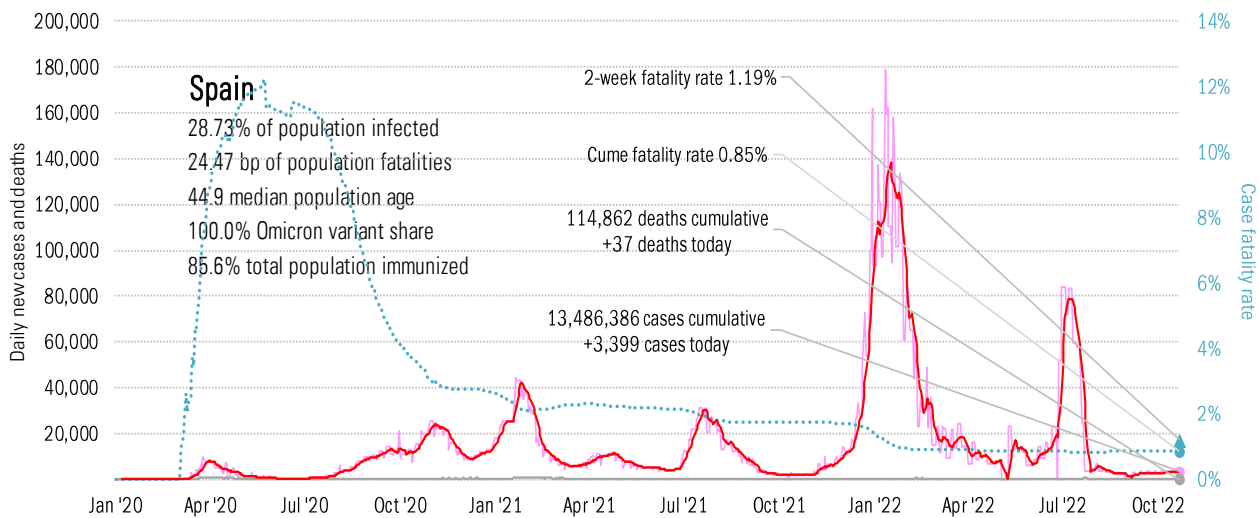
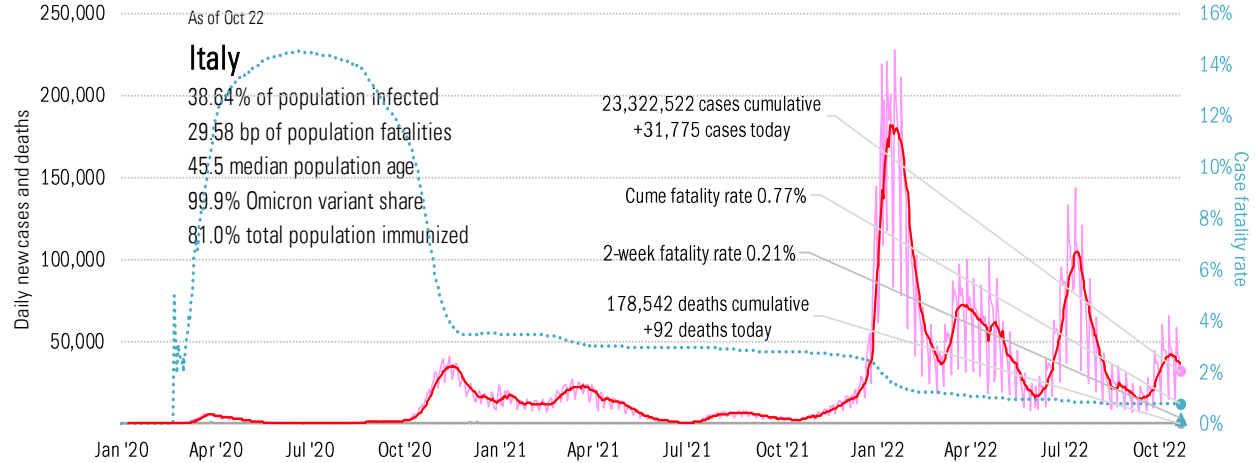
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

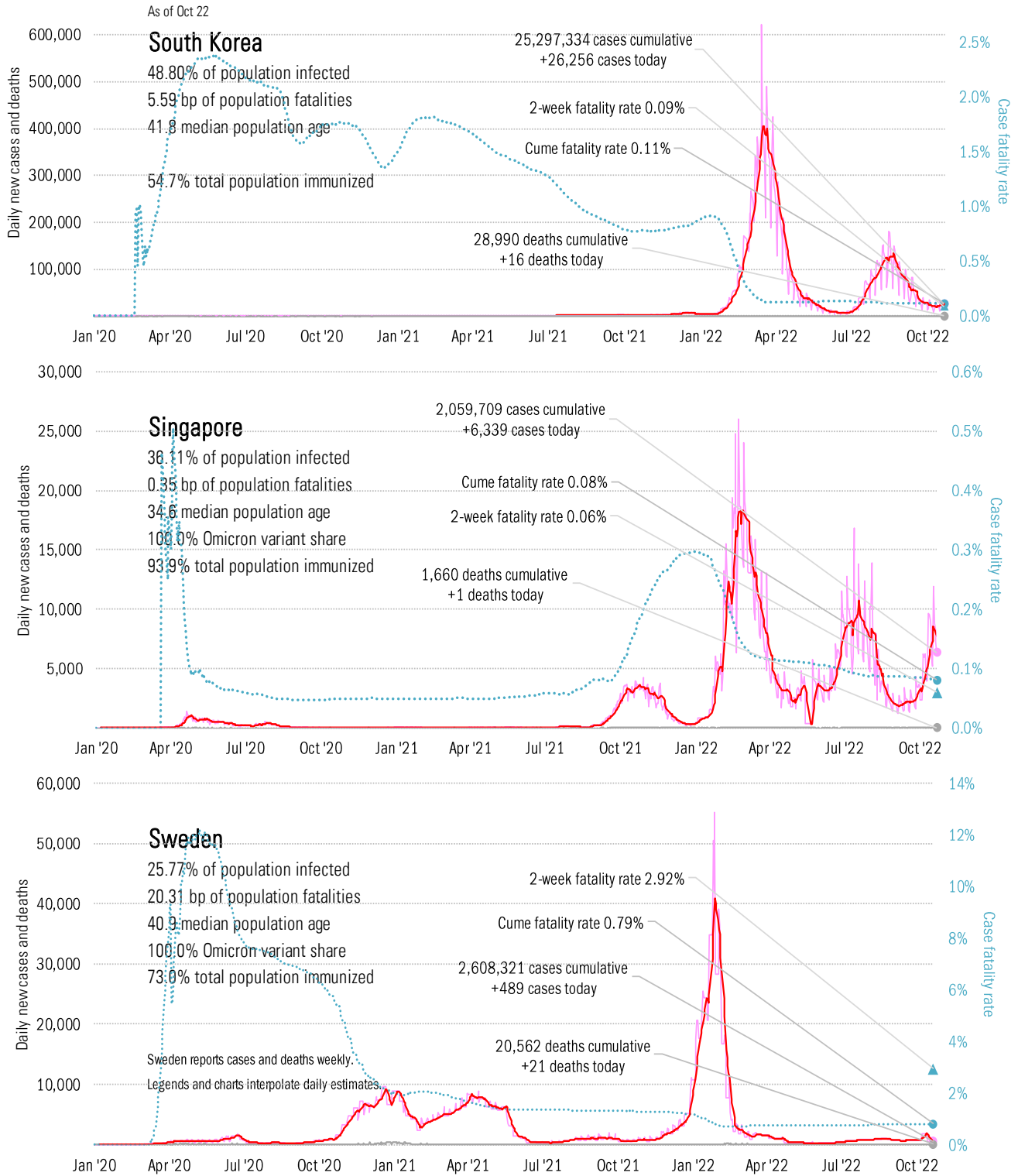
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

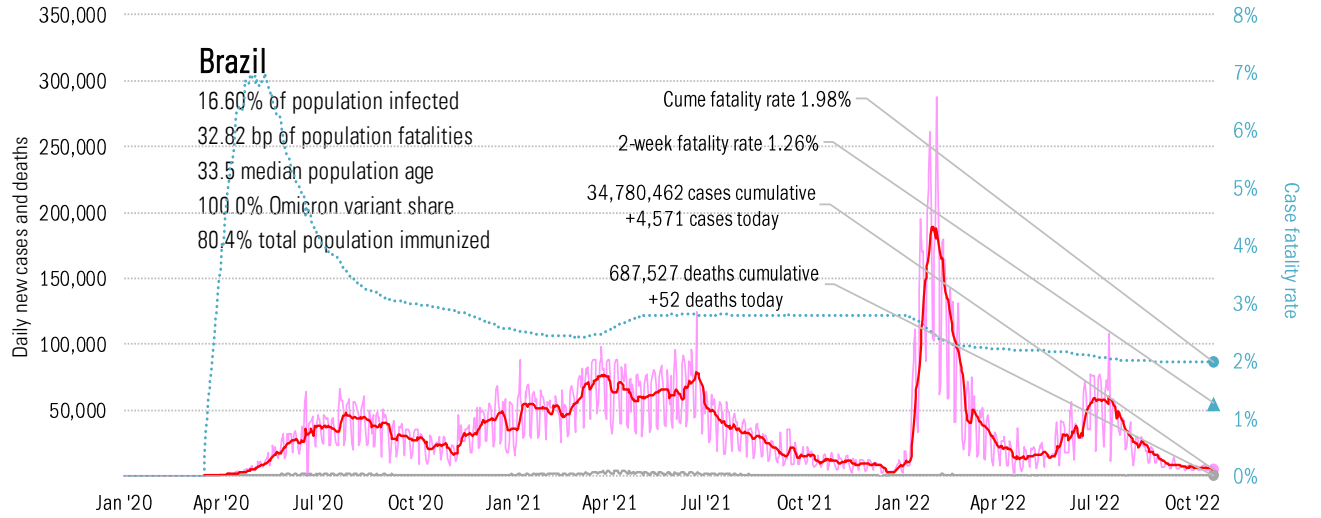
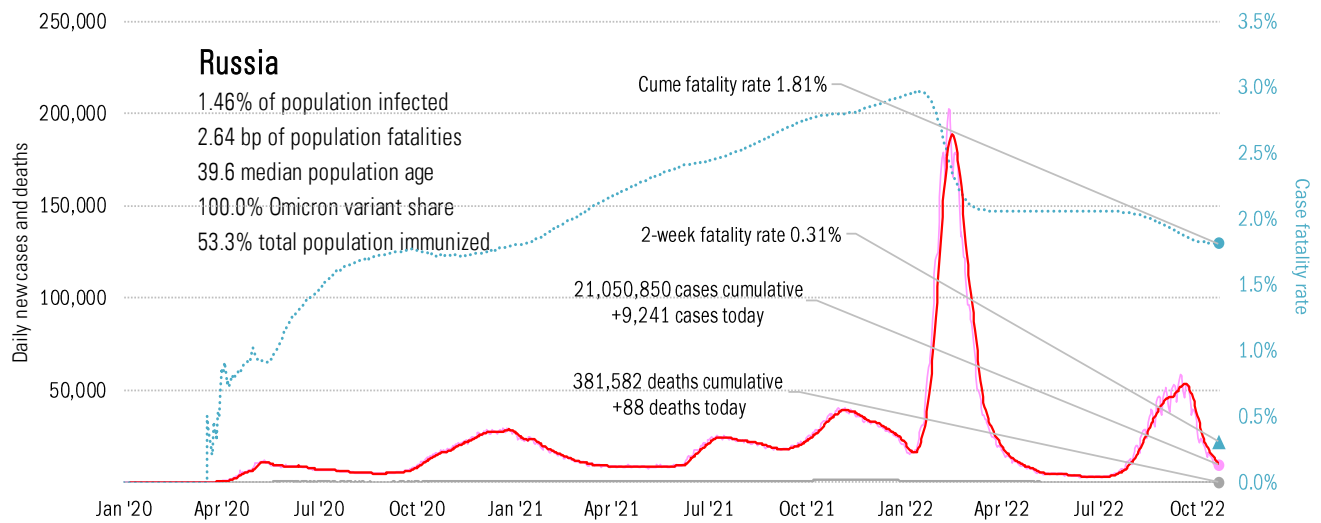
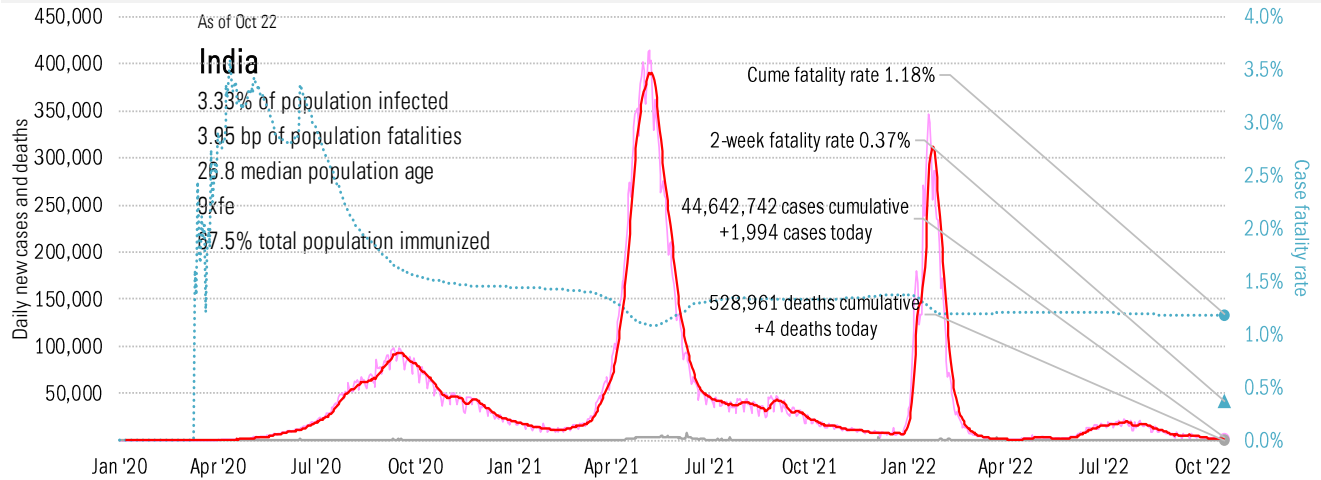
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

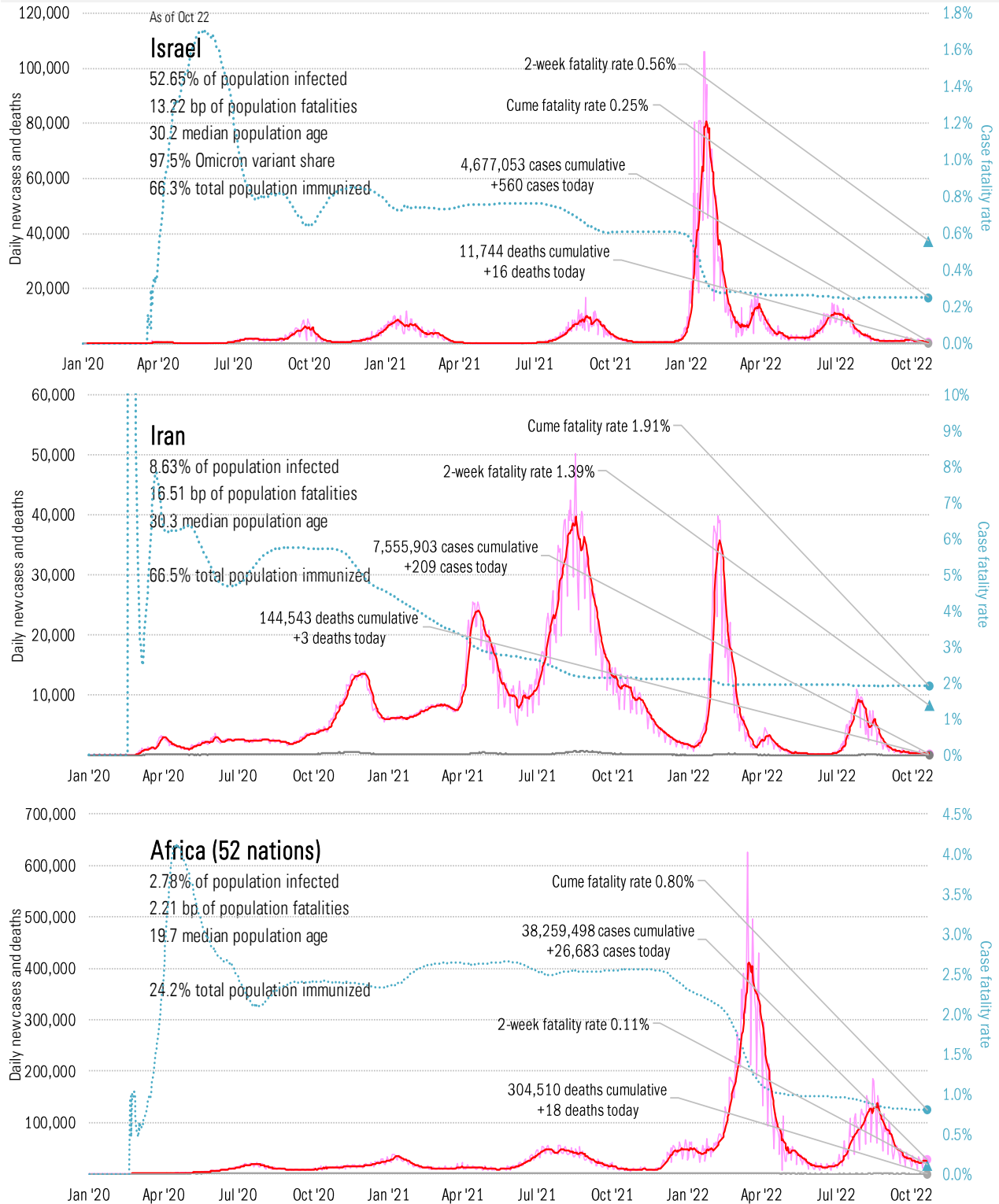
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

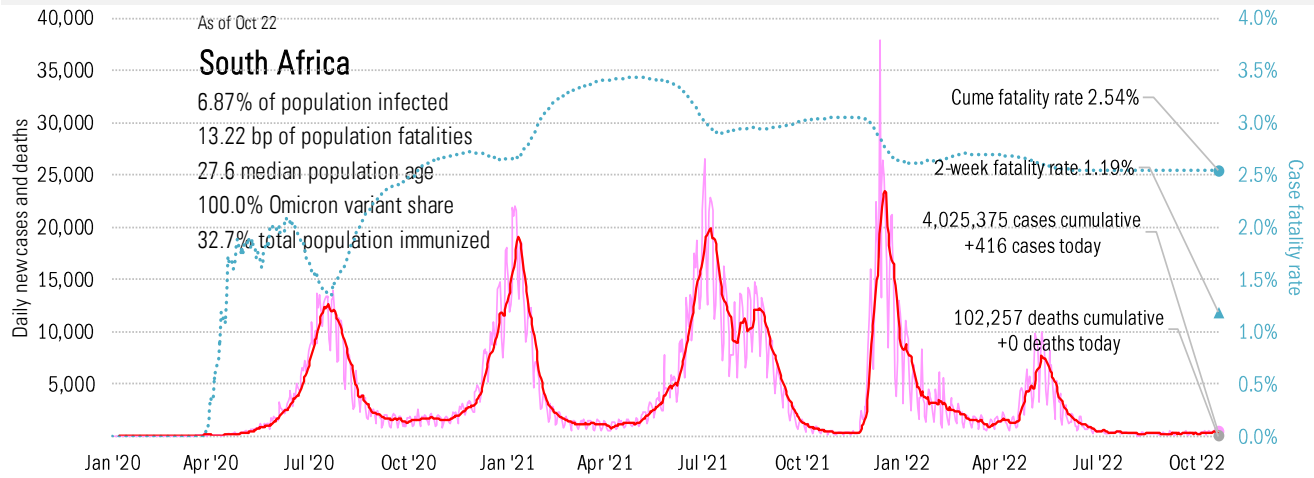
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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