

Data Insights: Covid-2019 Monitor

Tuesday, October 18, 2022

The global scorecard

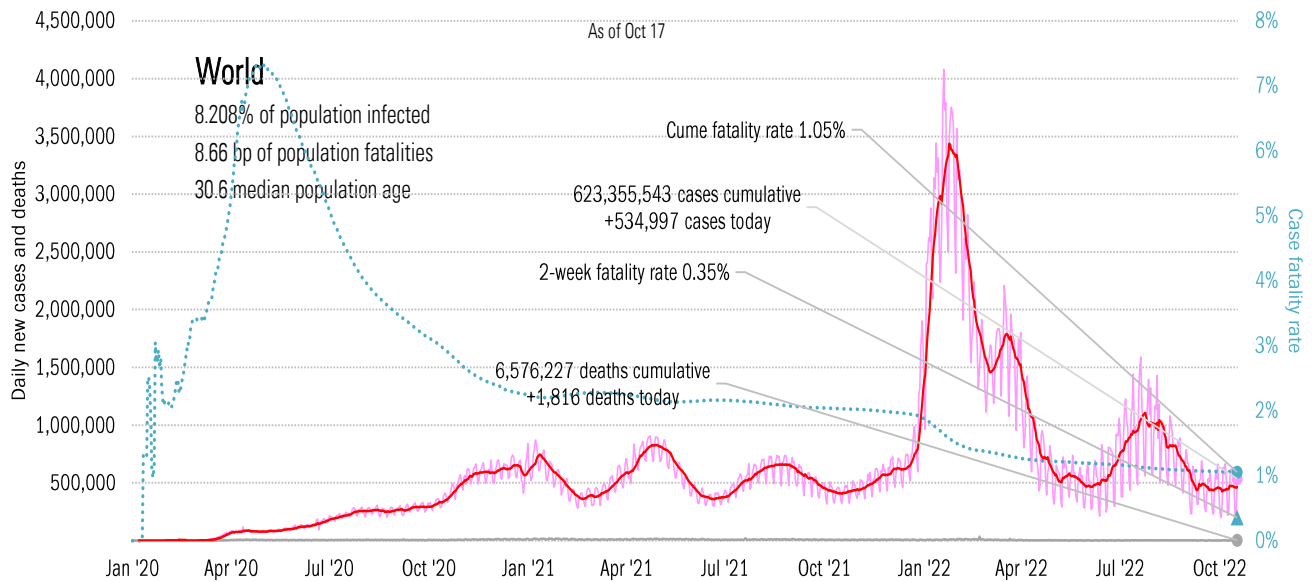
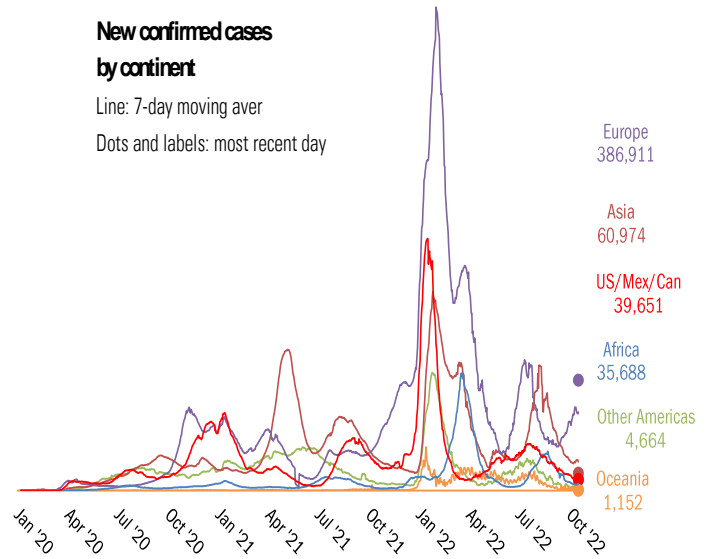
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	150,052	United States	442
France	106,788	Ukraine	411
Ukraine	79,325	Germany	209
United States	40,229	France	164
Korea, South	33,190	Italy	93
Taiwan*	28,826	Russia	91
Japan	15,372	Taiwan*	53
Italy	14,030	Philippines	37
Russia	10,293	Belgium	34
Belgium	7,774	Czechia	32
485,879		1,566	
World	534,997	World	1,816
Top ten	91%	Top ten	86%

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

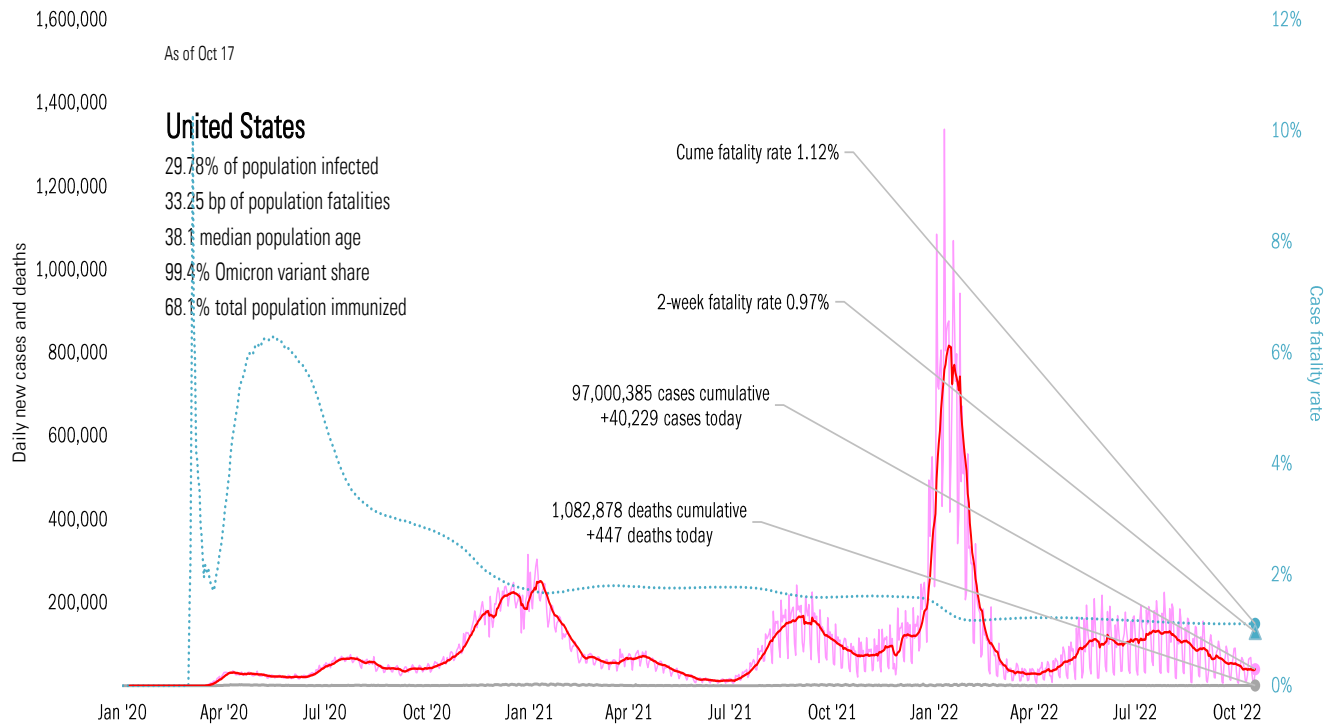
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
NY	9,245		FL	51		PA	213		CA	11,322,413		CA	96,458		TX	548,703		DE	128%	DE	124%								
FL	3,227		NY	46		GA	103		TX	8,028,190		TX	91,095		CA	504,432		RI	92%	VT	88%								
KY	1,875		MO	29		MA	152		FL	7,179,341		FL	82,062		FL	496,610		MA	87%	RI	86%								
MI	1,793		MI	22		NJ	158		NY	6,192,957		NY	72,223		NY	305,512		MN	86%	TX	86%								
CA	1,570		CA	21		AZ	47		IL	3,788,199		PA	47,442		GA	227,002		WA	84%	MA	86%								
NC	1,432		TX	18		CA	283		PA	3,280,746		GA	40,448		CH	220,574		MO	82%	AK	83%								
TX	1,427		PA	17		KY	50		NC	3,220,858		CH	40,037		PA	206,859		HI	82%	NH	82%								
IL	1,372		DE	15		OK	32		CH	3,162,278		IL	39,856		IL	188,962		GA	81%	NM	81%								
WA	1,287		WA	14		IL	136		GA	2,913,382		MI	38,919		MI	164,799		WV	81%	AL	80%								
MA	1,281		WI	14		AR	20		MI	2,861,595		NJ	34,824		KY	145,874		MD	81%	NE	80%								
24,508			247			1,194			51,949,959			583,364			3,009,327														
All states			40,229			442			2,969			All states			97,000,385			1,082,878			5,461,000			All states		70%		67%	
Top ten			61%			56%			40%			Top ten			54%			55%			55%			Median		75%		70%	

Some states not reporting

Five most improved US states

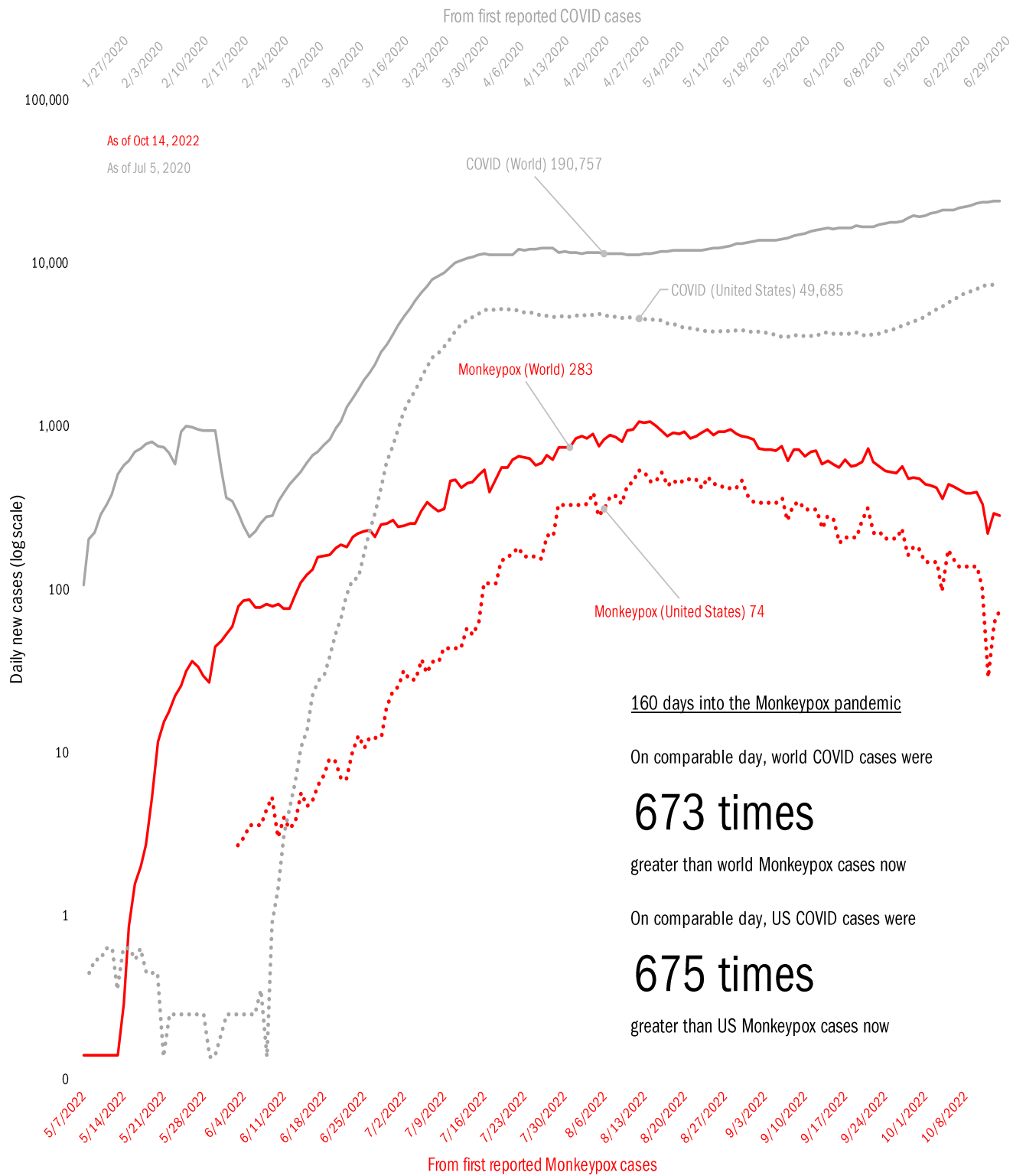
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
MO	-3,282	AR	-11	NC	-58
CA	-1,292	VA	-11	CH	-44
PA	-1,247	IL	-7	MO	-36
OK	-738	WV	-7	CT	-32
KY	-499	CO	-6	ID	-18



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

The Monkeypox contextualizer

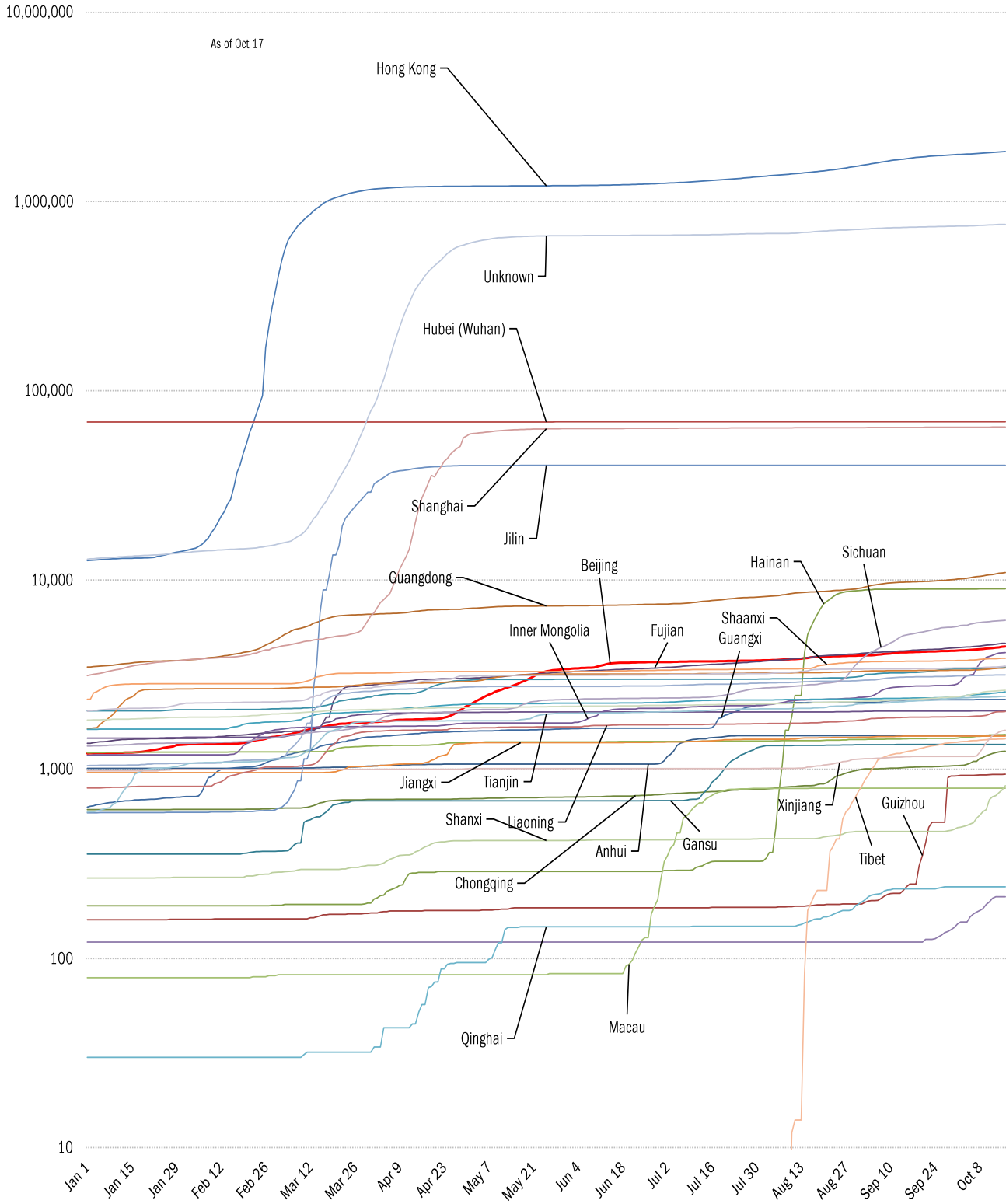
The course of case growth versus COVID



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"

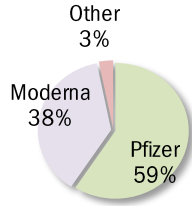


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial		
Doses	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%



State	Best
AK	71.9%
	64.4%

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

"Immunity" = two doses

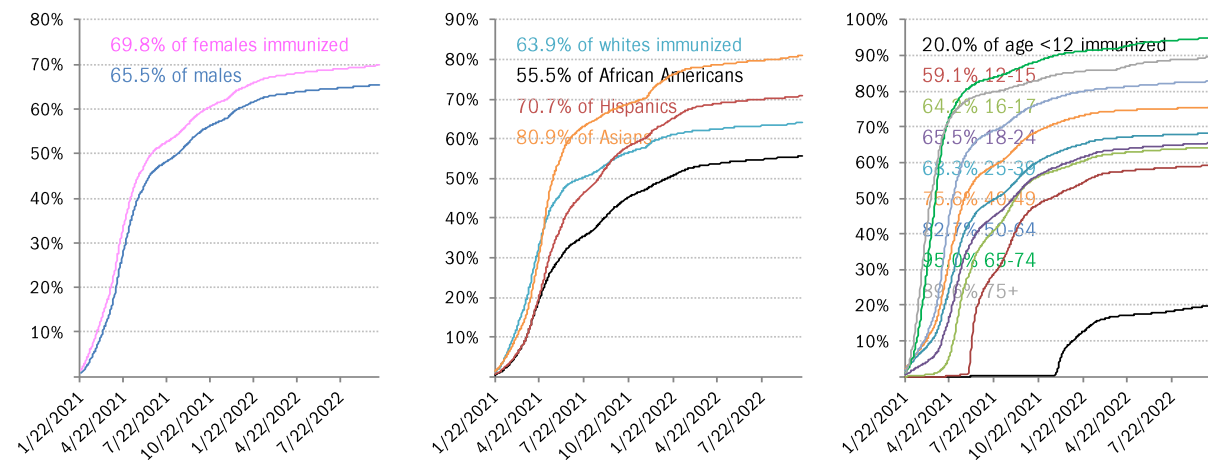
Best
Middle
Worst

Global data differs due to sources, timing

As of Oct 14

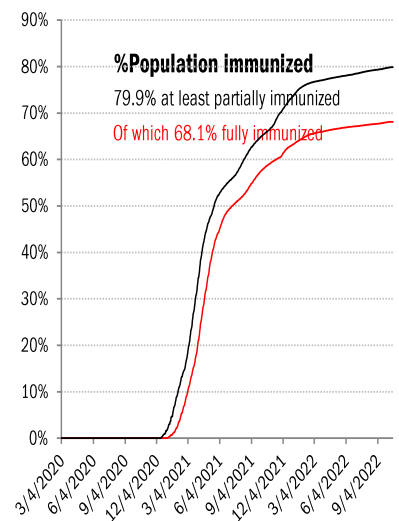
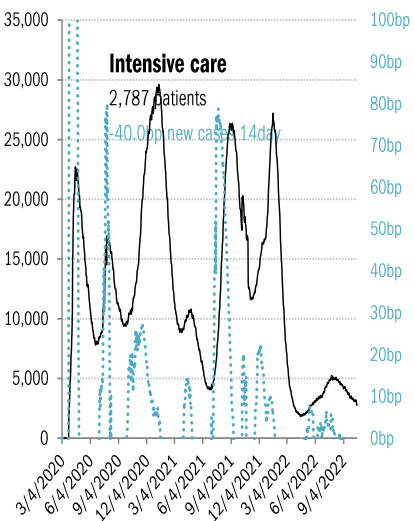
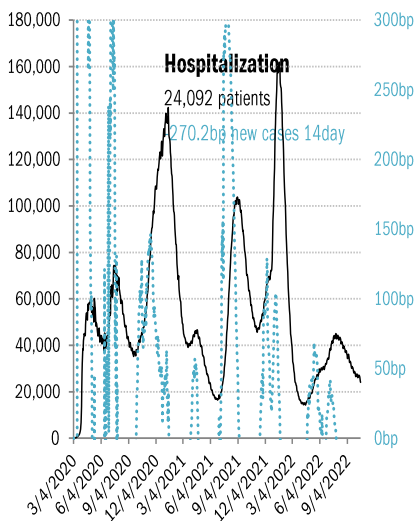
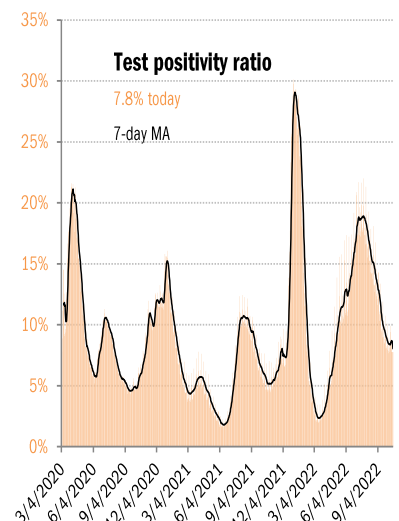
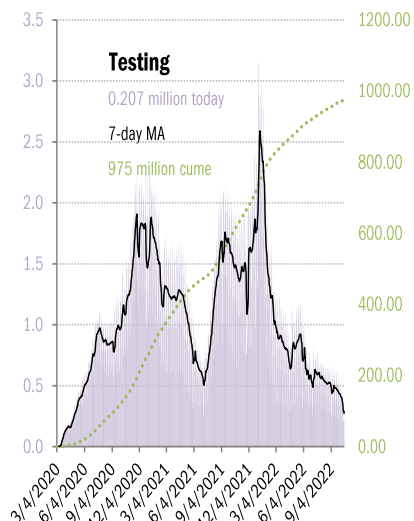
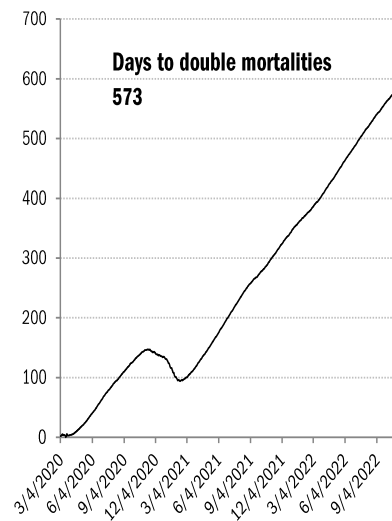
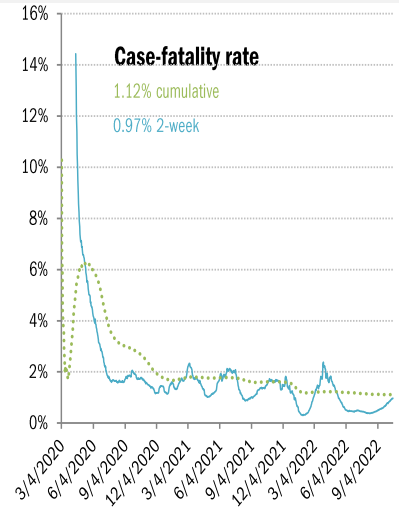
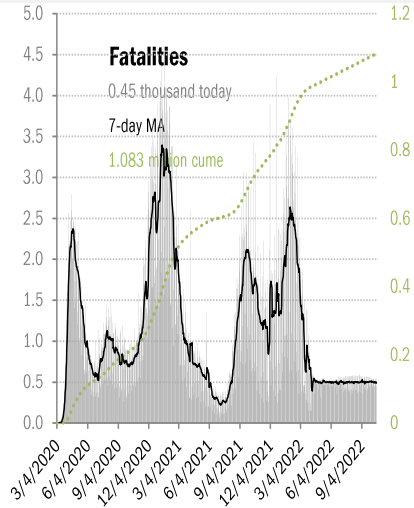
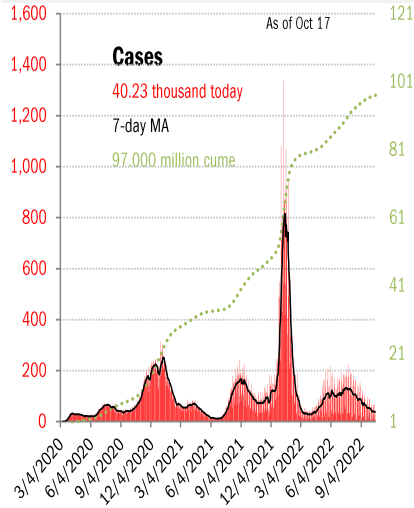
State	Best
WI	73.8%
	67.2%
ME	94.3%
	81.9%
WA	83.6%
	74.7%
ID	62.9%
	55.6%
MT	67.0%
	58.3%
ND	67.8%
	57.3%
MN	77.4%
	70.9%
IL	78.0%
	70.3%
MI	68.6%
	61.5%
NY	92.7%
	79.3%
VT	95.0%
	83.7%
NH	84.7%
	69.6%
OR	80.0%
	71.2%
NV	77.5%
	62.5%
WY	59.7%
	52.2%
SD	80.5%
	64.4%
IA	69.6%
	63.4%
IN	63.5%
	57.1%
OH	64.8%
	59.7%
PA	88.2%
	71.3%
NJ	93.1%
	77.8%
MA	95.0%
	82.0%
CA	85.0%
	74.1%
UT	74.1%
	65.8%
CO	82.1%
	72.3%
NE	72.2%
	65.2%
MO	68.1%
	57.9%
KY	67.8%
	58.8%
WV	66.6%
	59.0%
VA	88.7%
	75.3%
MD	89.8%
	78.2%
CT	95.0%
	81.5%
RI	95.0%
	85.9%
AZ	76.2%
	63.7%
NM	91.5%
	73.5%
KS	74.8%
	64.0%
AR	68.7%
	56.0%
TN	63.7%
	55.7%
NC	88.9%
	64.8%
SC	69.8%
	58.9%
DC	95.0%
	81.7%
DE	86.2%
	71.7%
OK	73.3%
	59.3%
LA	62.3%
	54.6%
MS	61.1%
	53.2%
AL	64.2%
	52.4%
GA	67.3%
	56.4%
HI	90.1%
	80.4%
TX	74.9%
	62.4%
FL	81.3%
	68.6%
PR	95.0%
	85.7%

The demographics of US vaccination

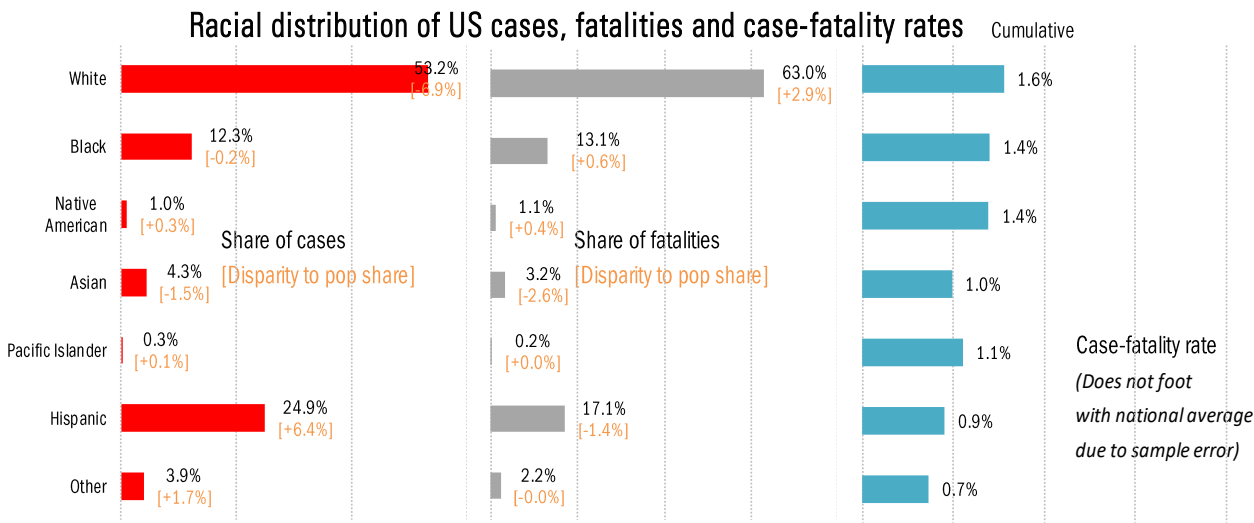
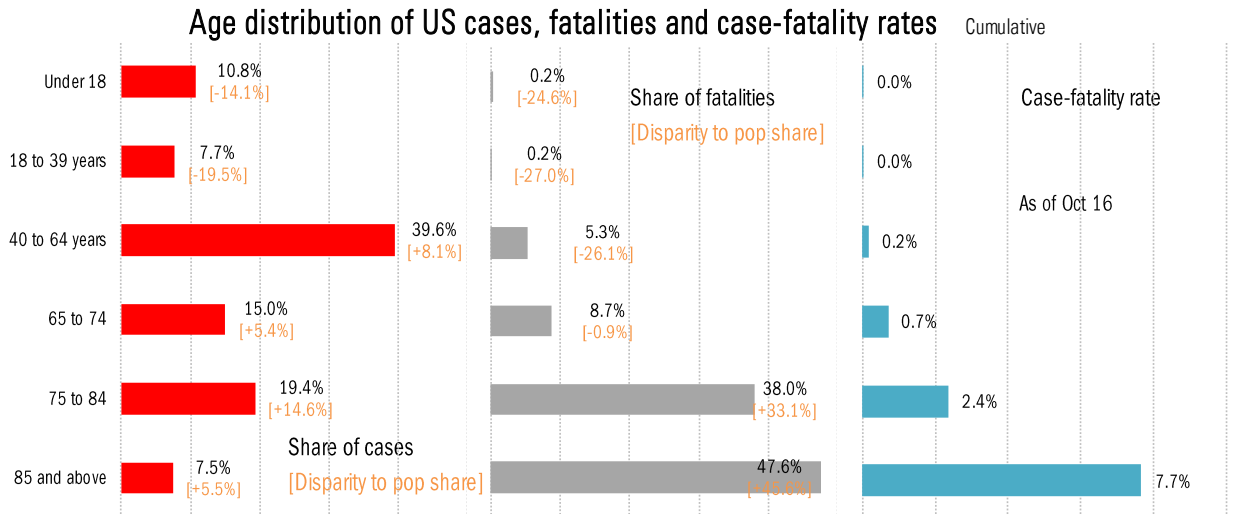


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

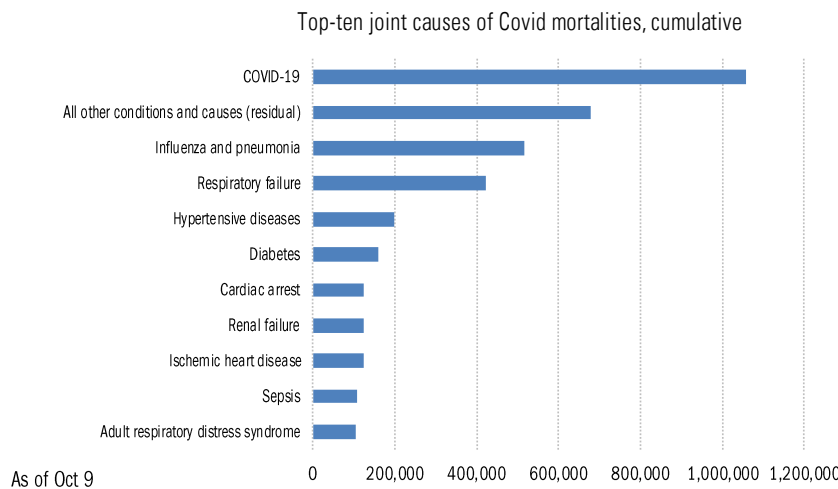
US deep-dive



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

[Urgent: Can we please not freak out about the chimeric omicron experiment?](#)

Alex Berenson
Unreported Truths
October 17, 2022

[Role of spike in the pathogenic and antigenic behavior of SARS-CoV-2 BA.1 Omicron](#)

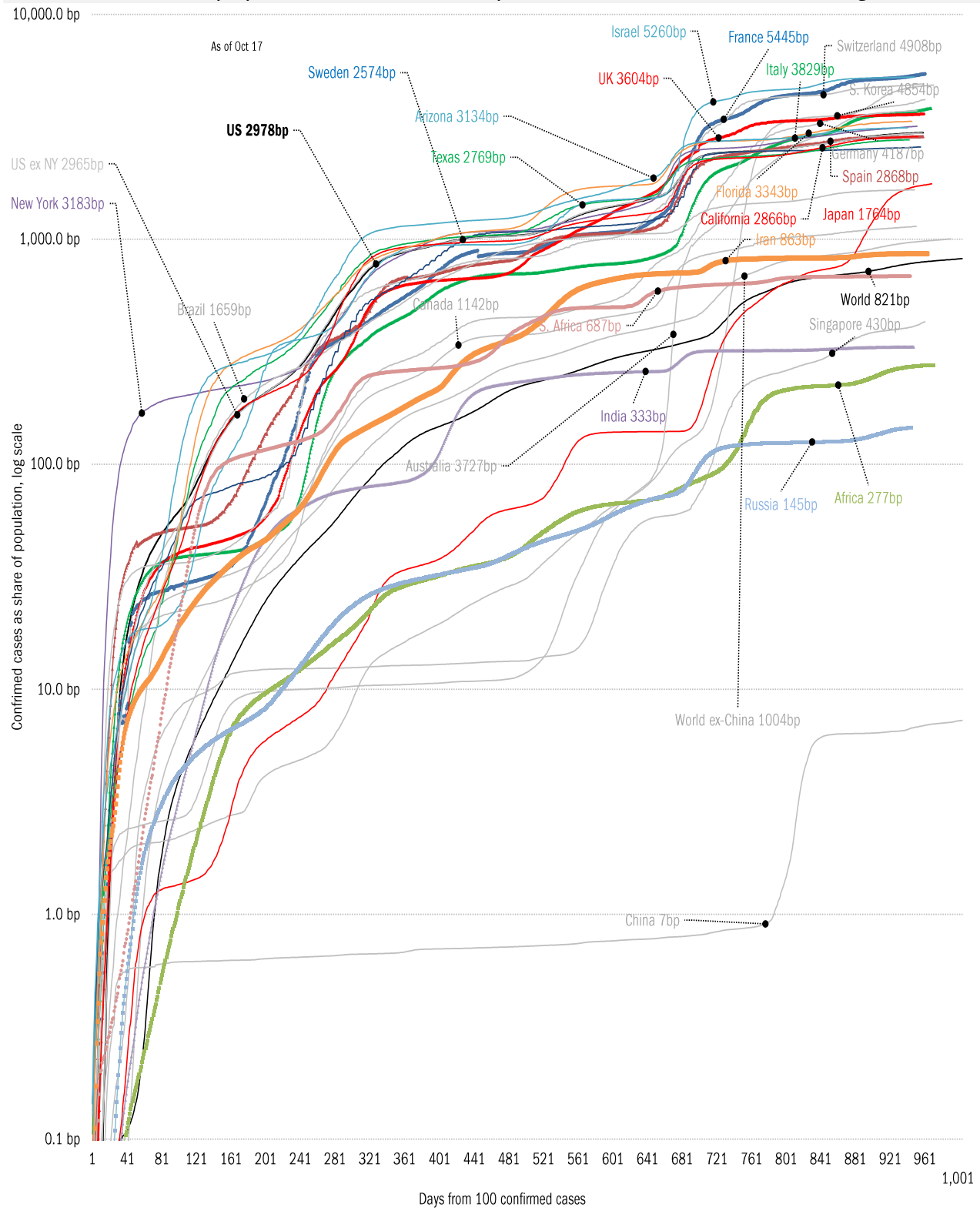
Da-Yuan Chen
bioRxiv
October 14, 2022

Meme of the day



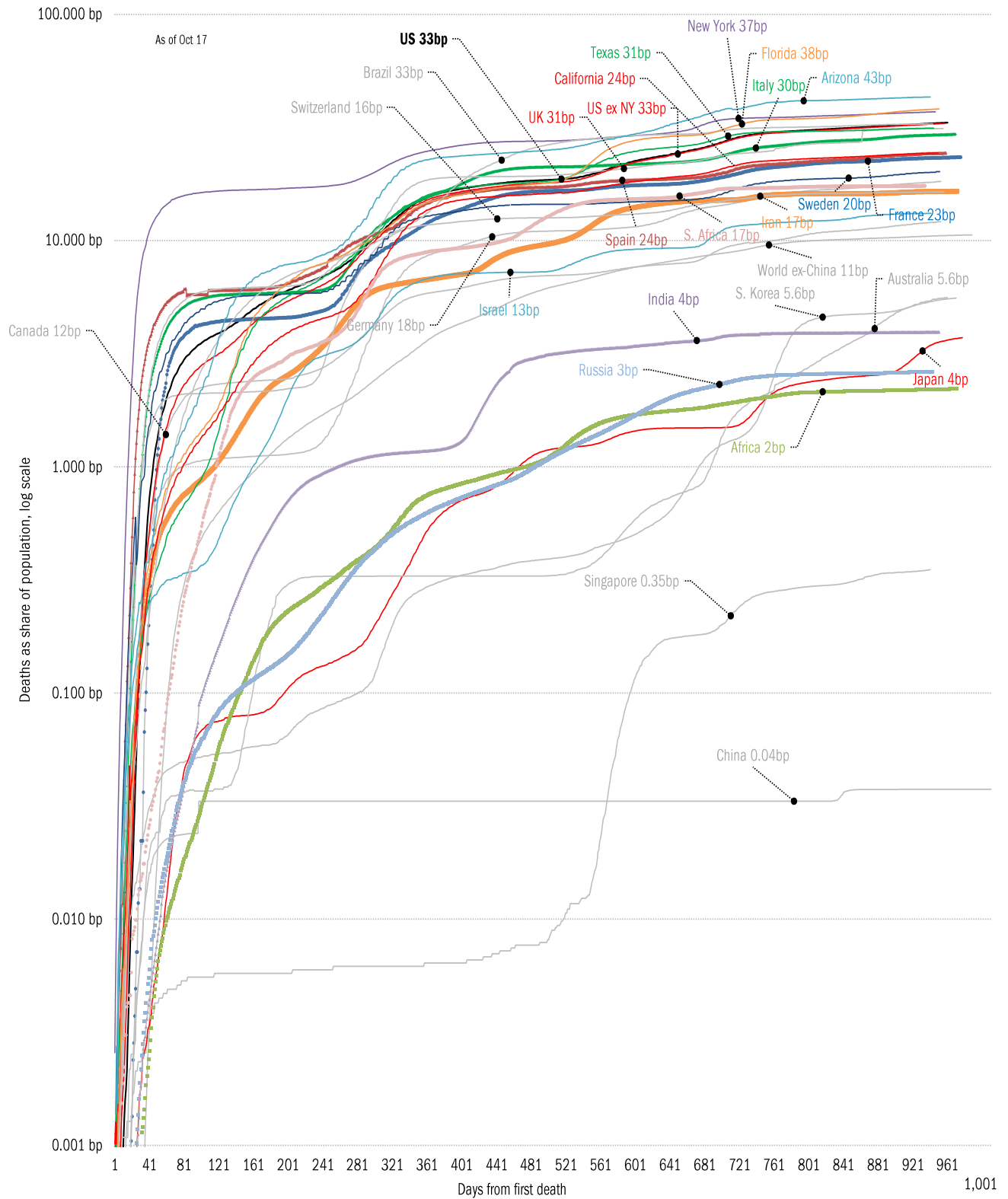
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

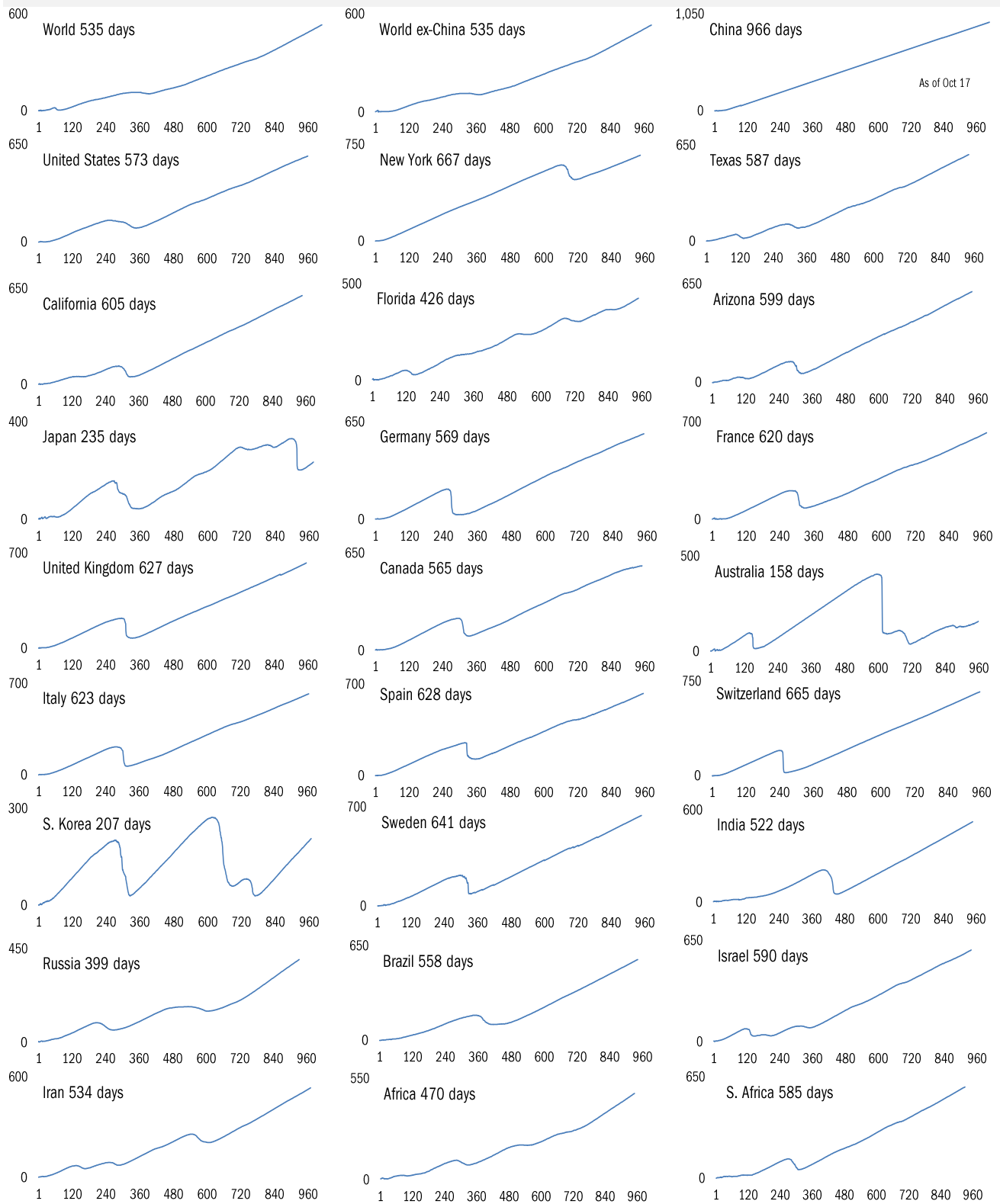


Source: [Johns Hopkins](#), TrendMacro calculations

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

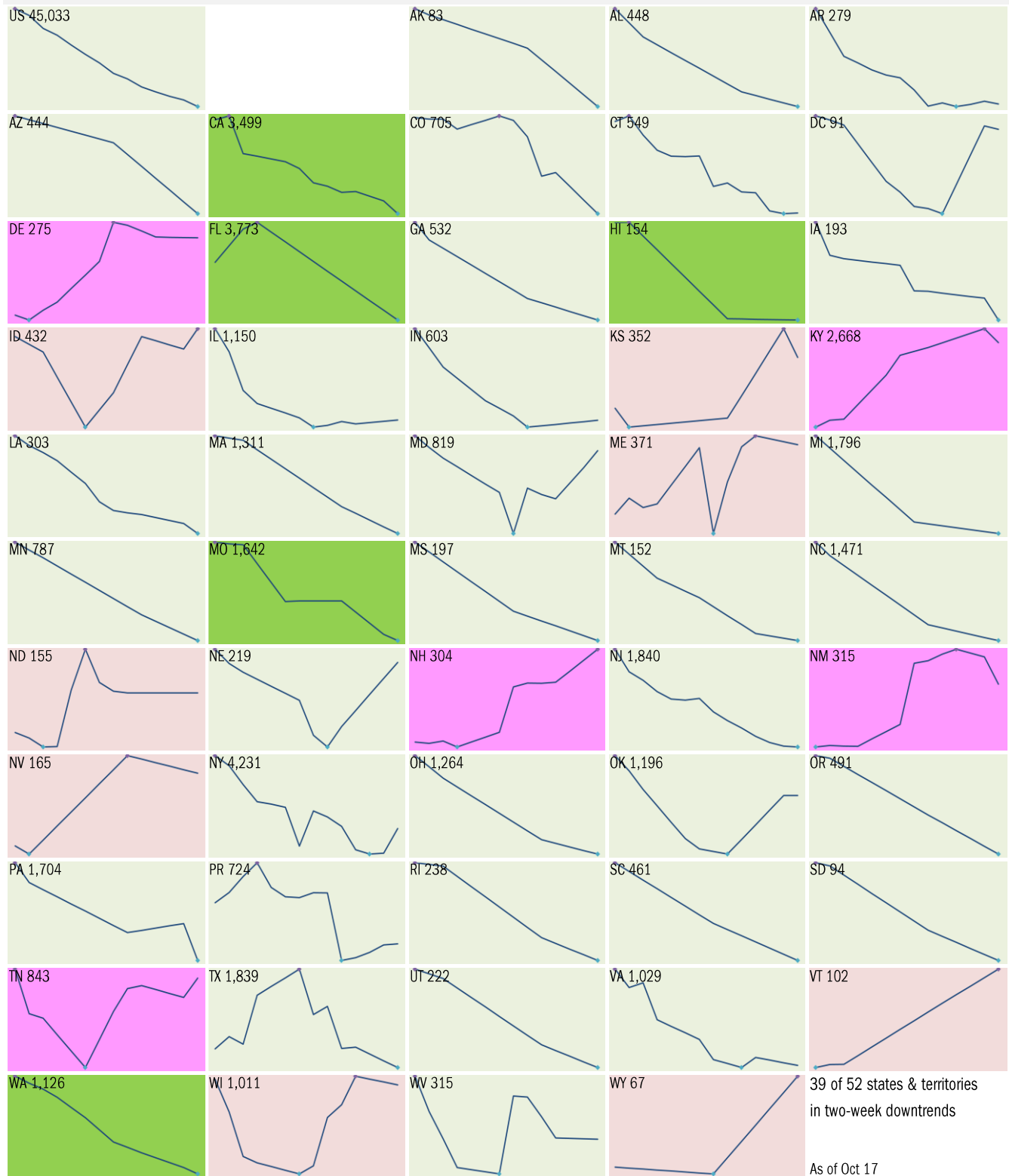


Source: [Johns Hopkins](#), TrendMacro calculations

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

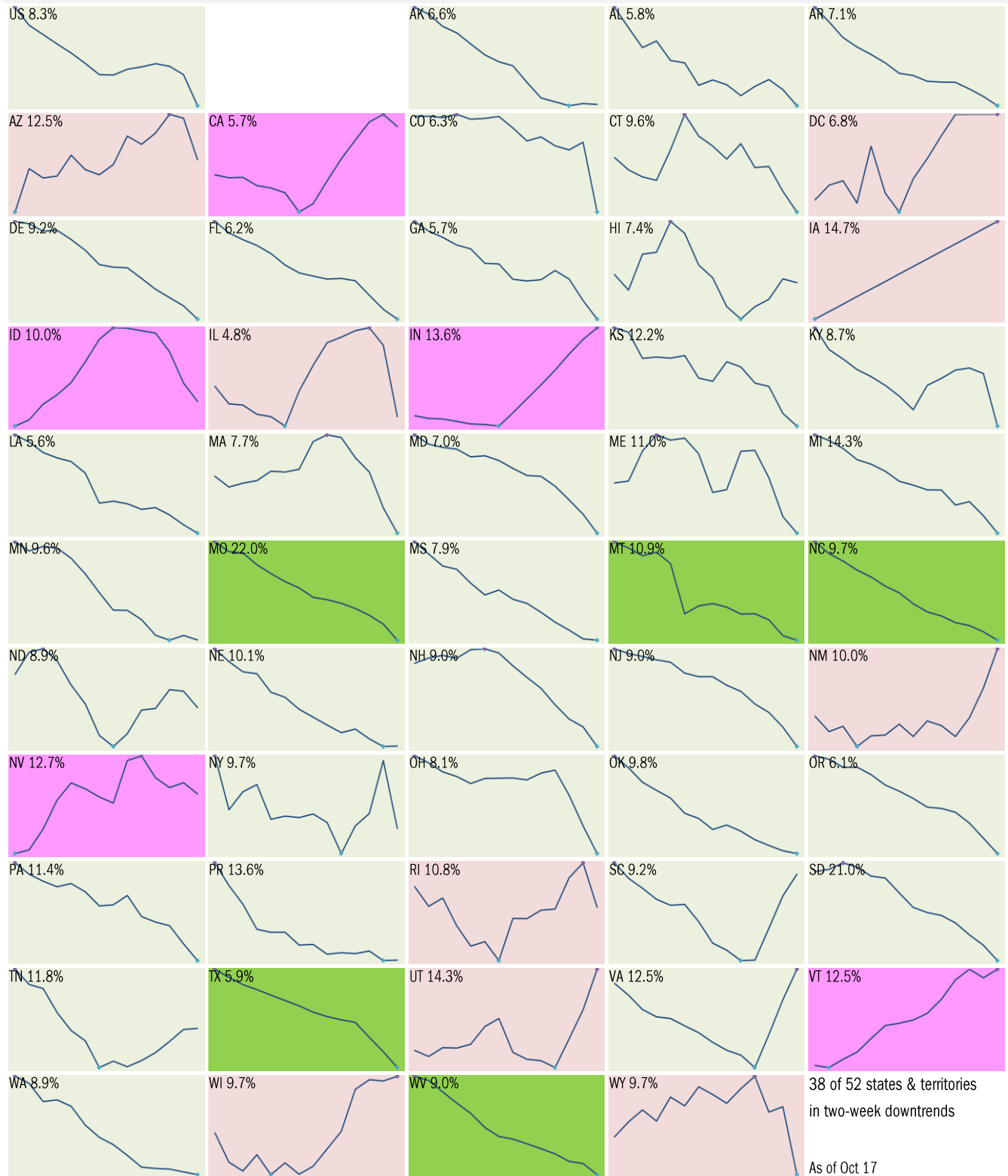


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

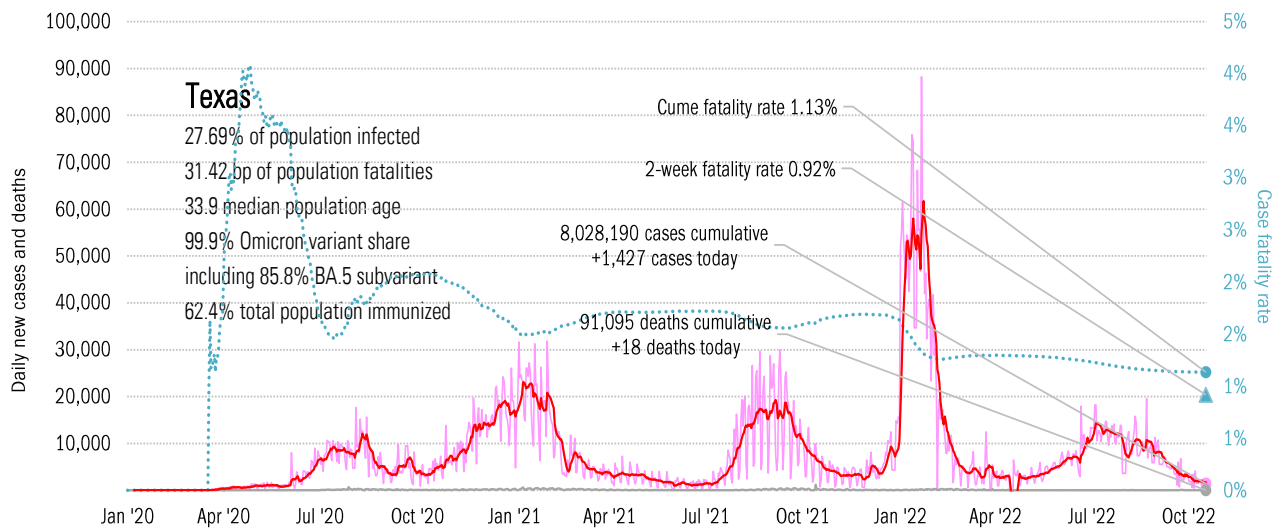
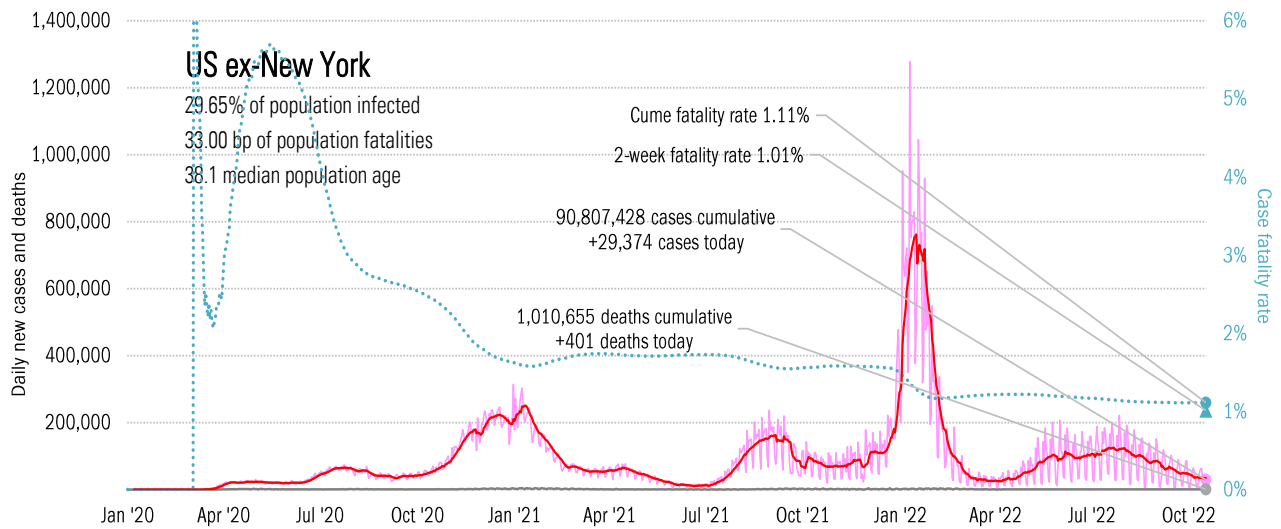
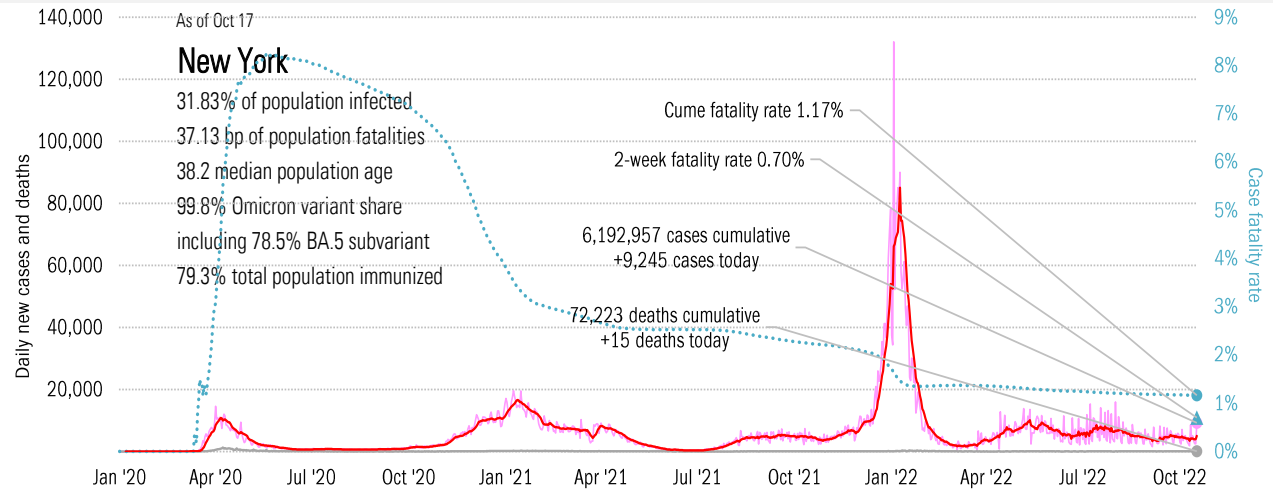
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

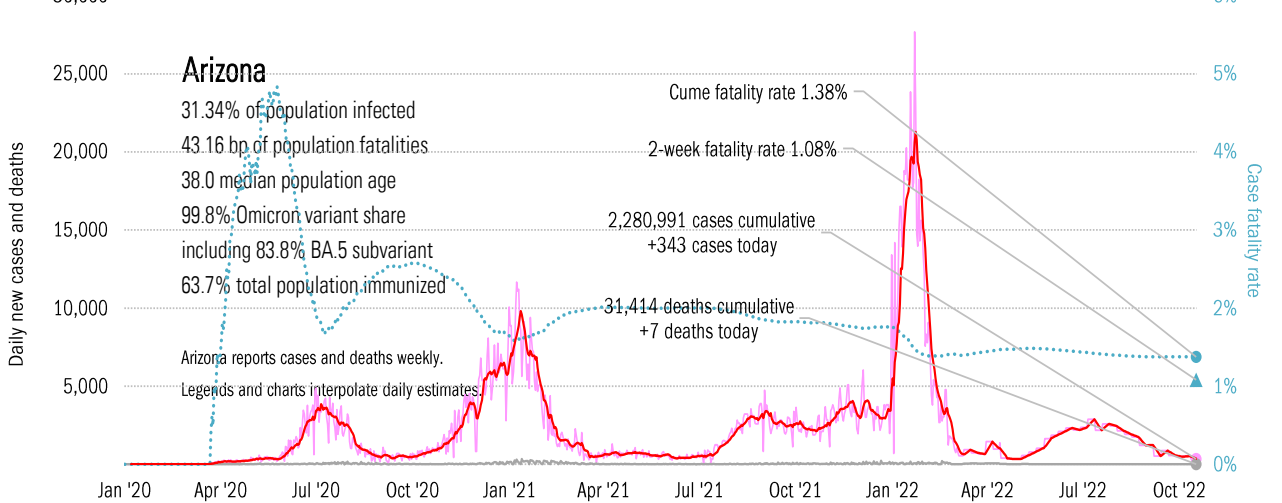
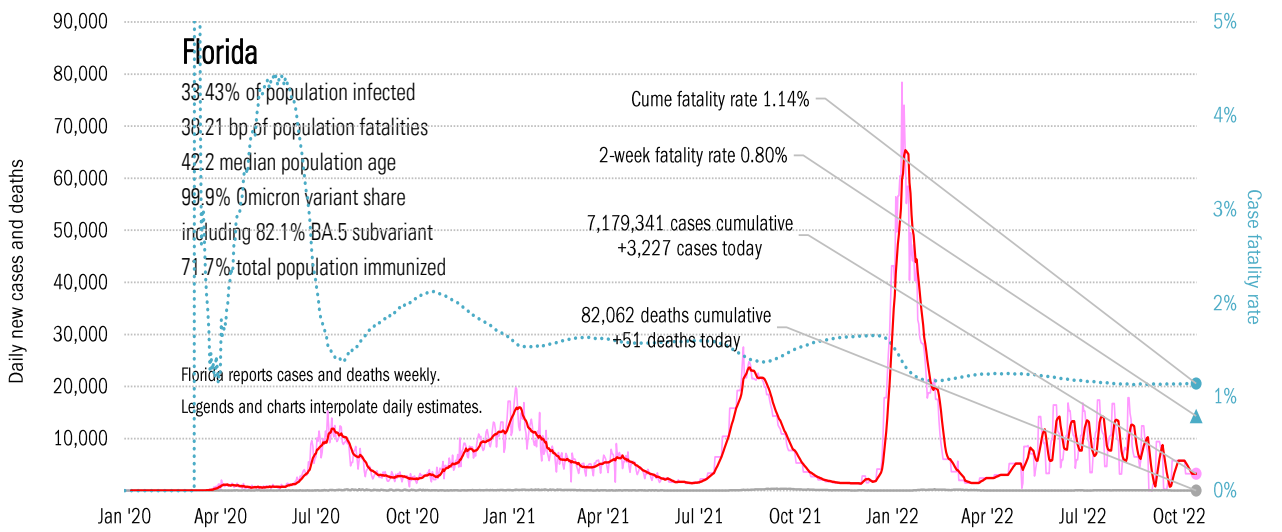
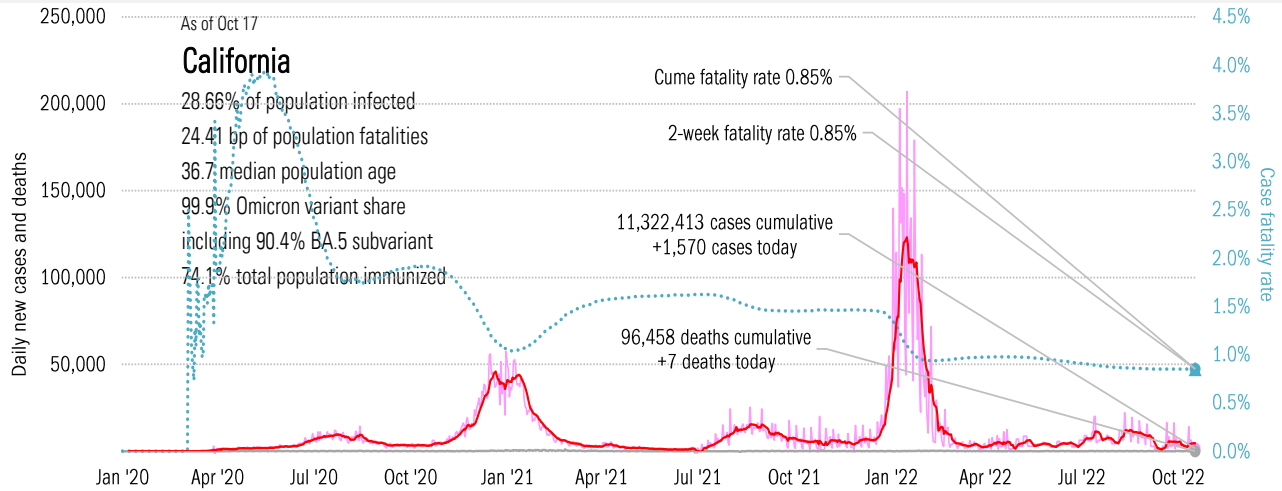
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

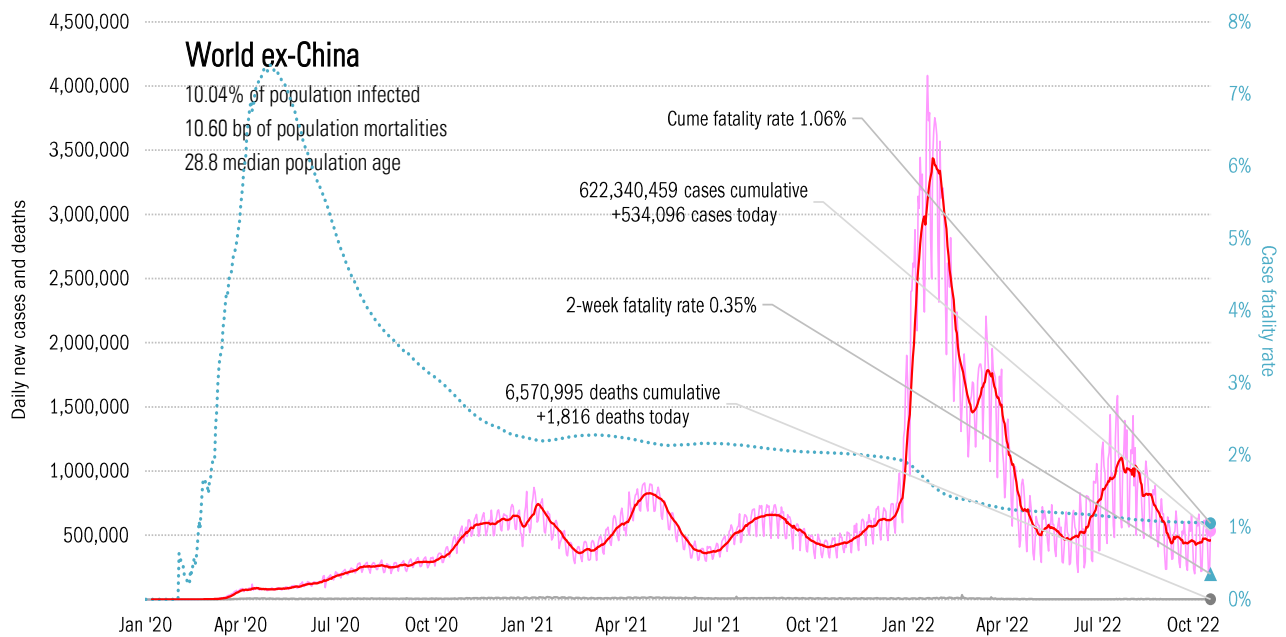
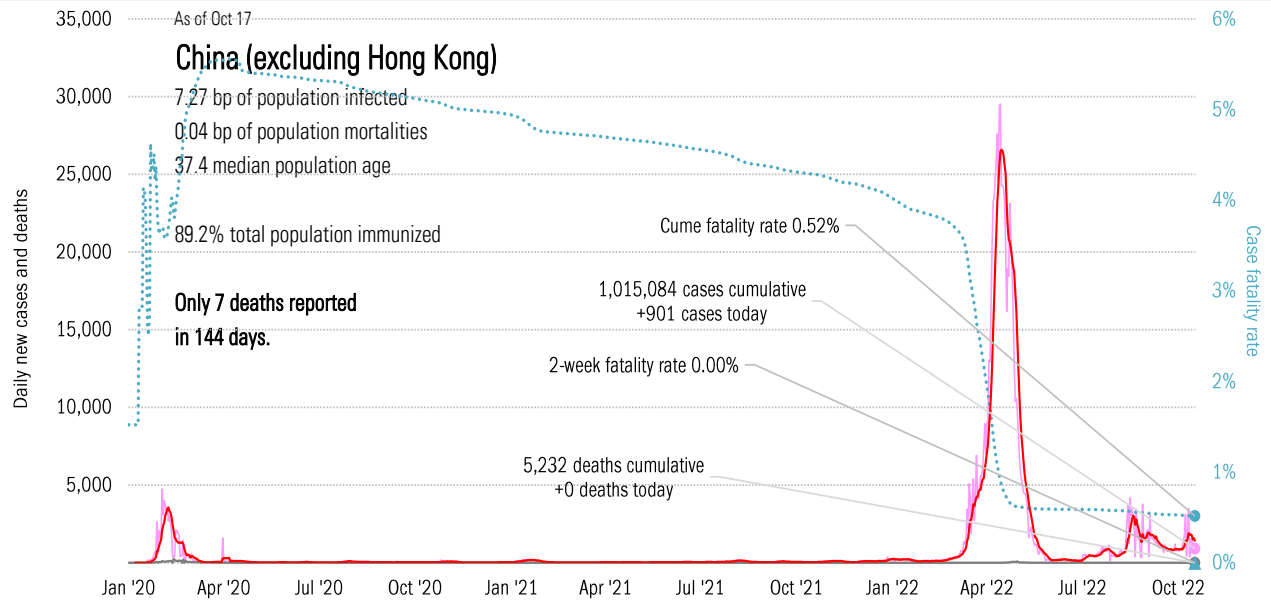
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

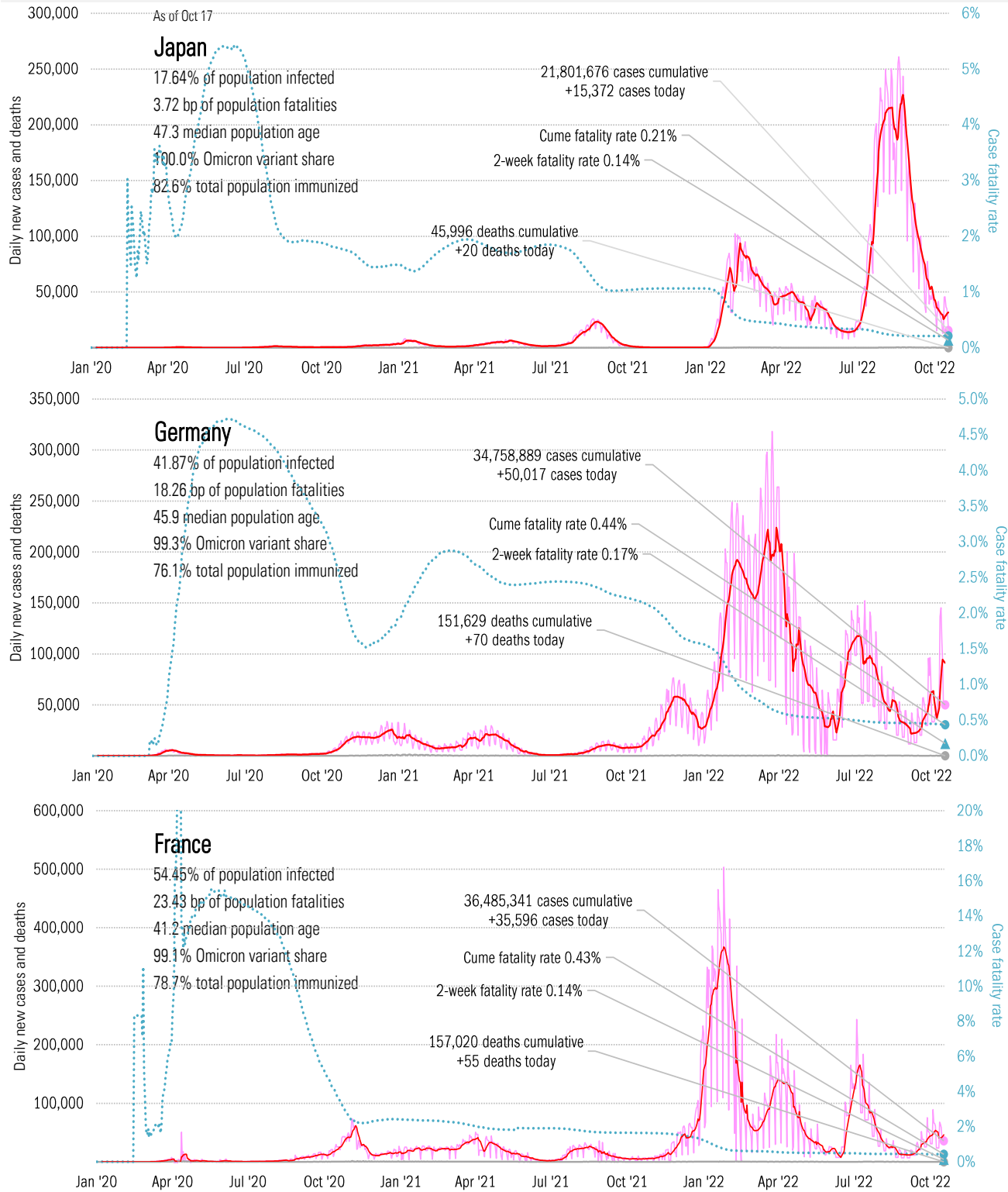
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

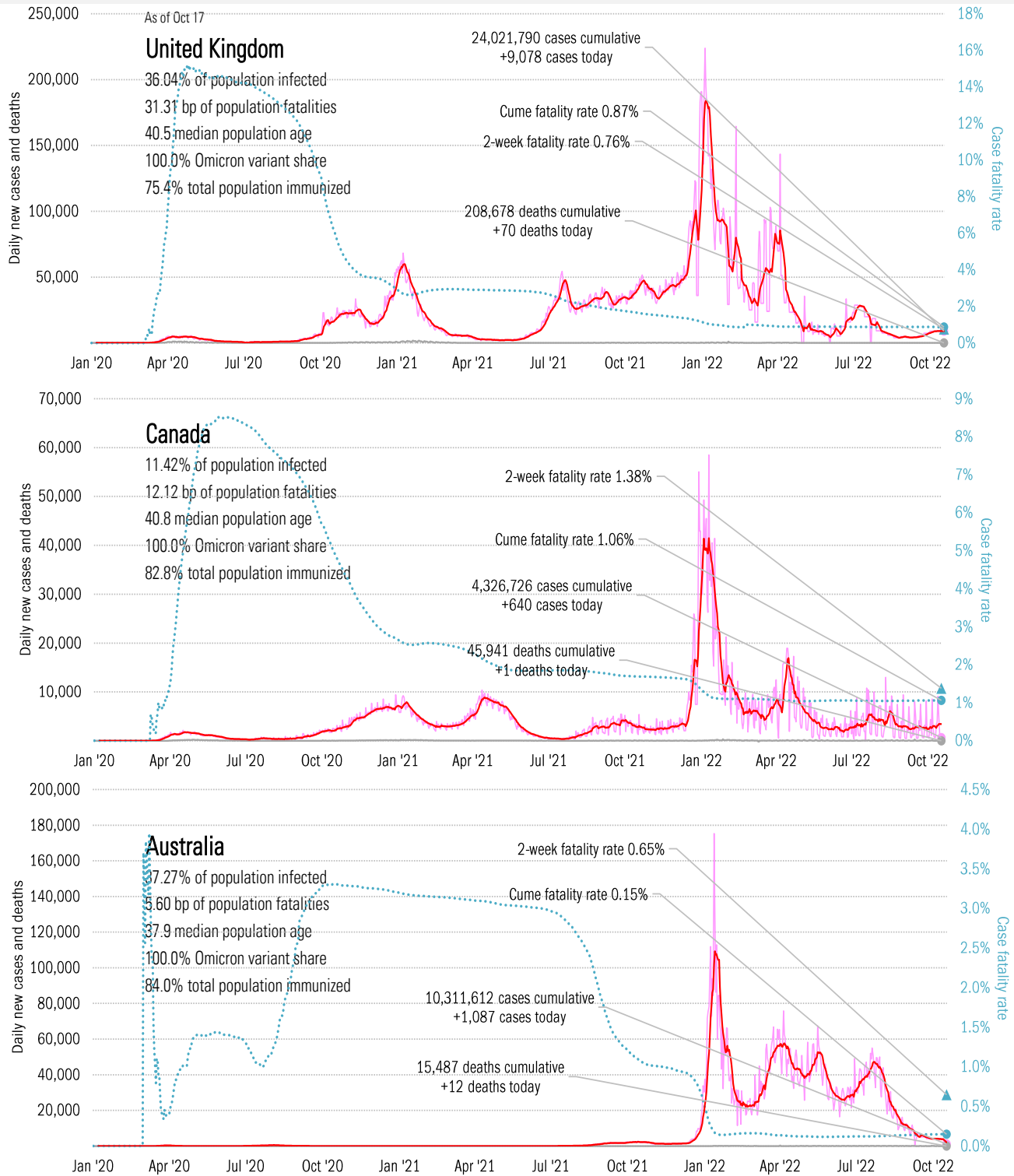
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

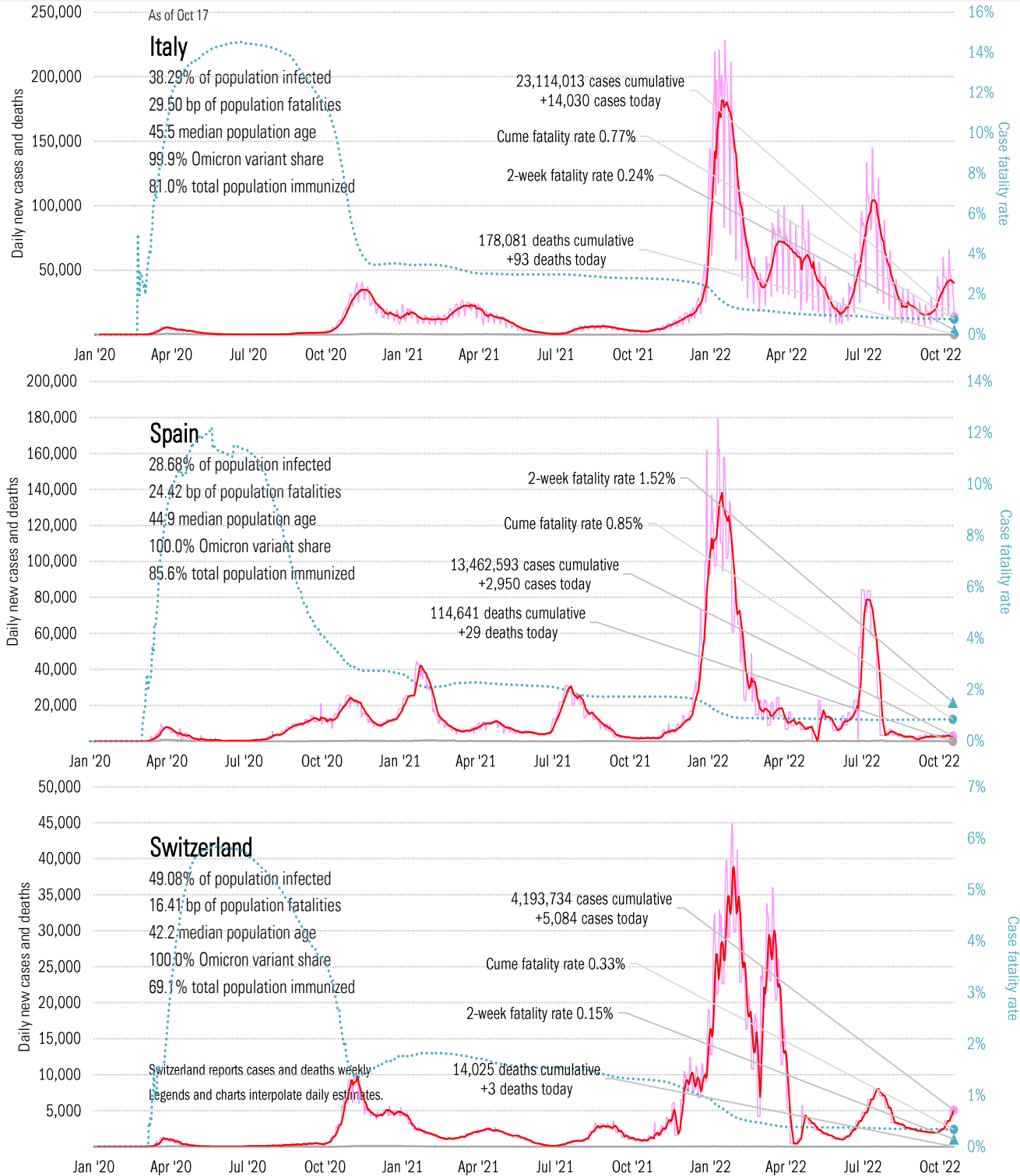
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

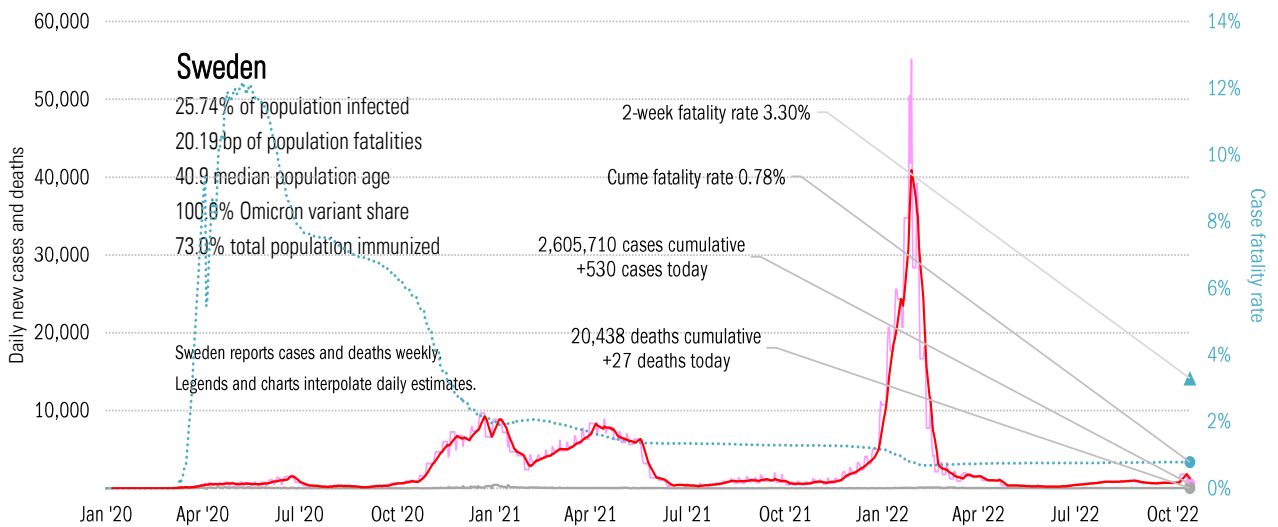
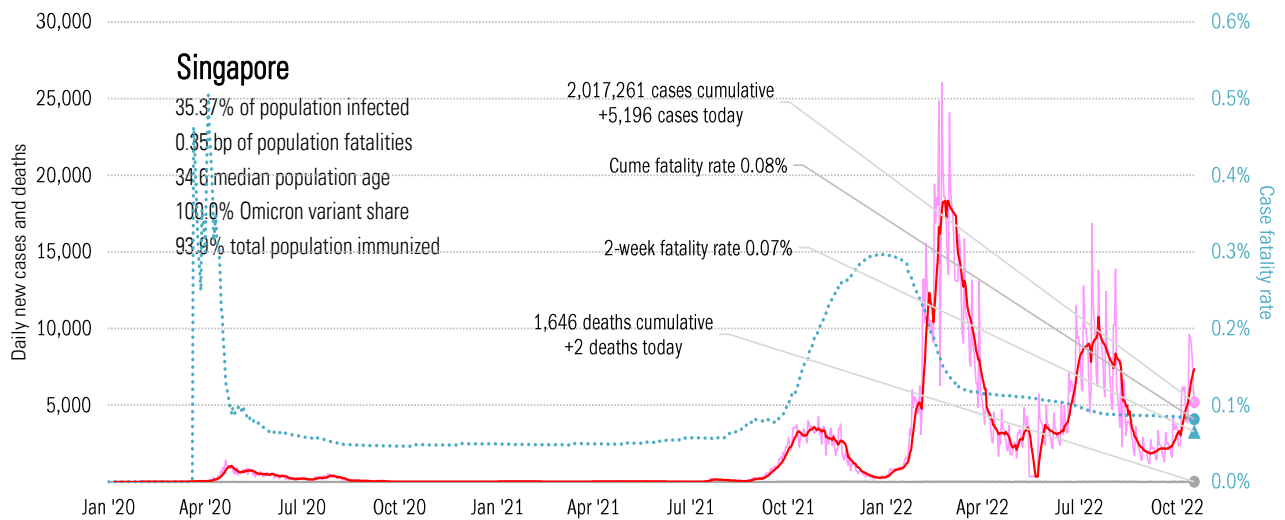
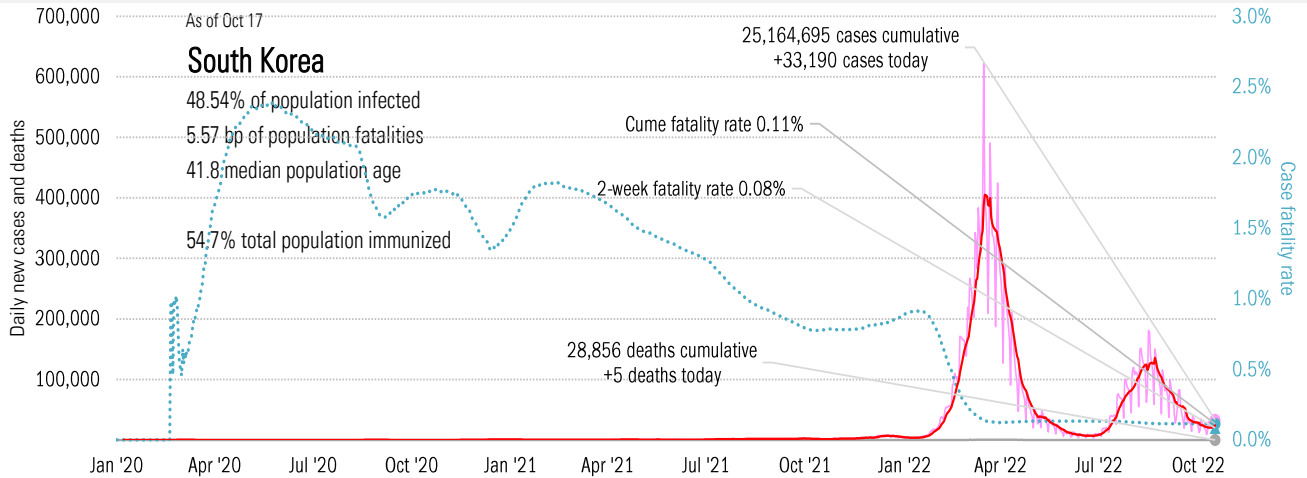
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

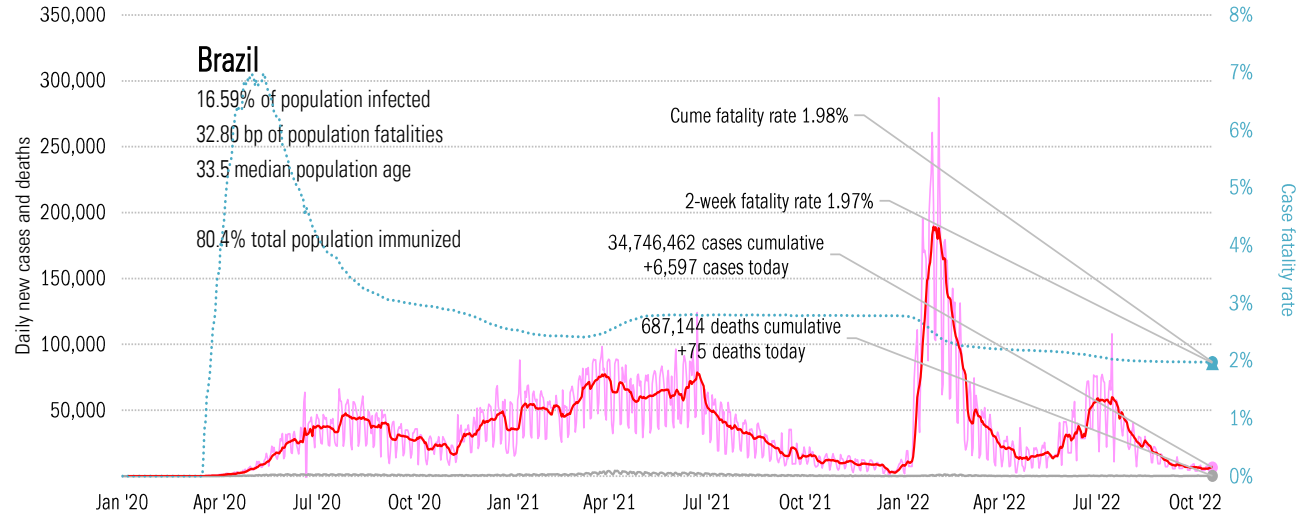
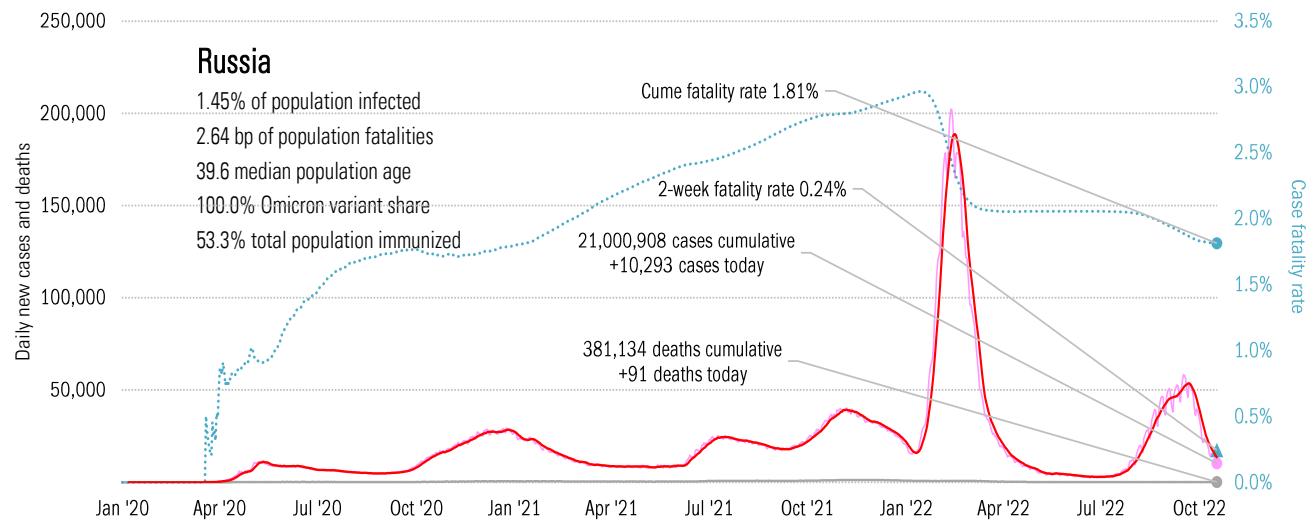
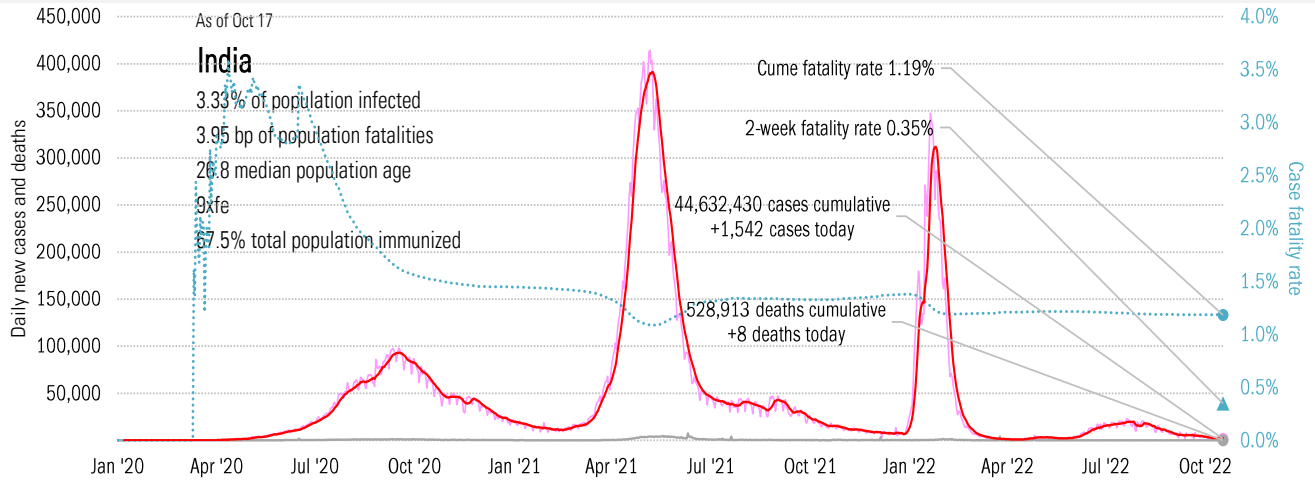
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

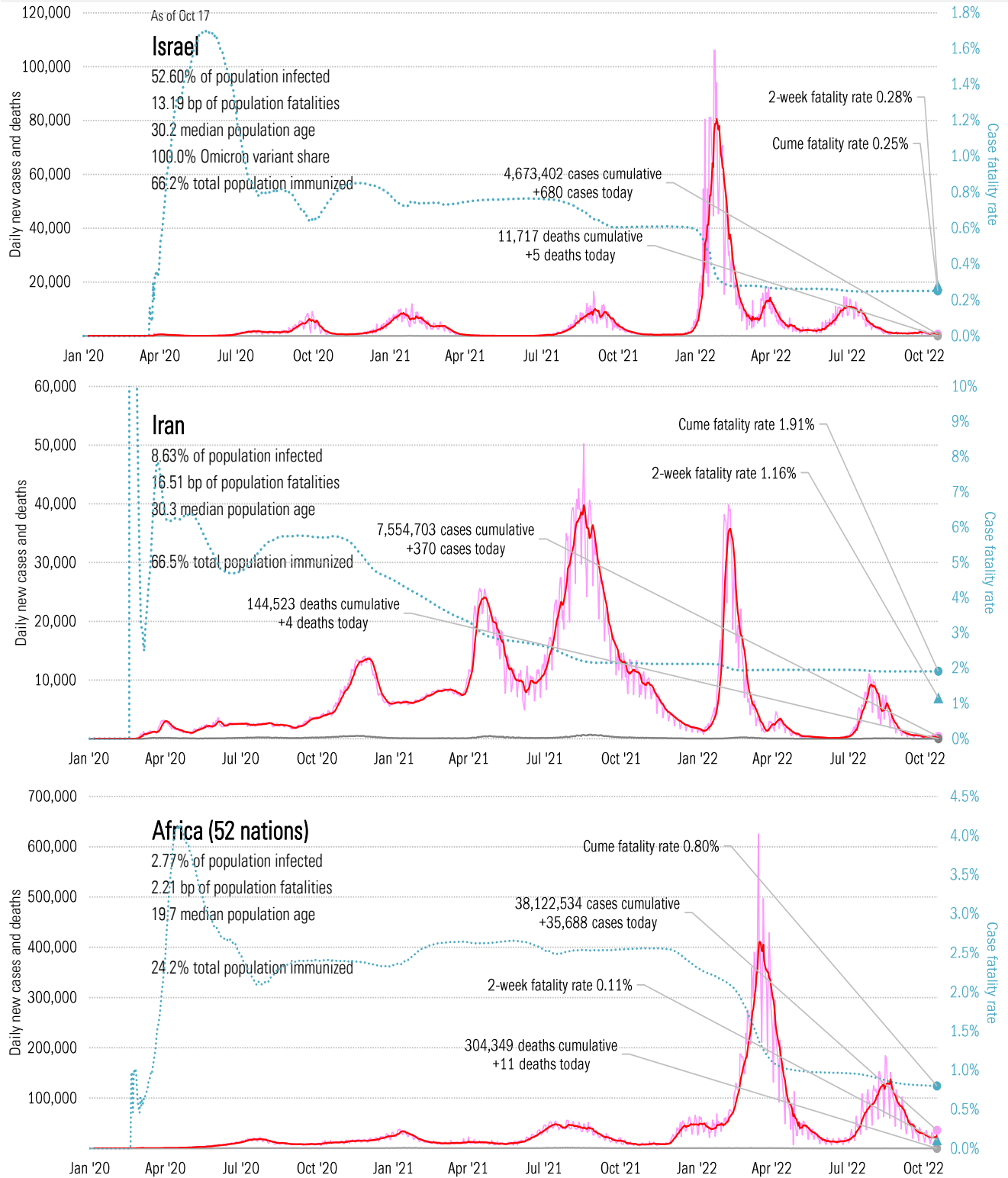
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

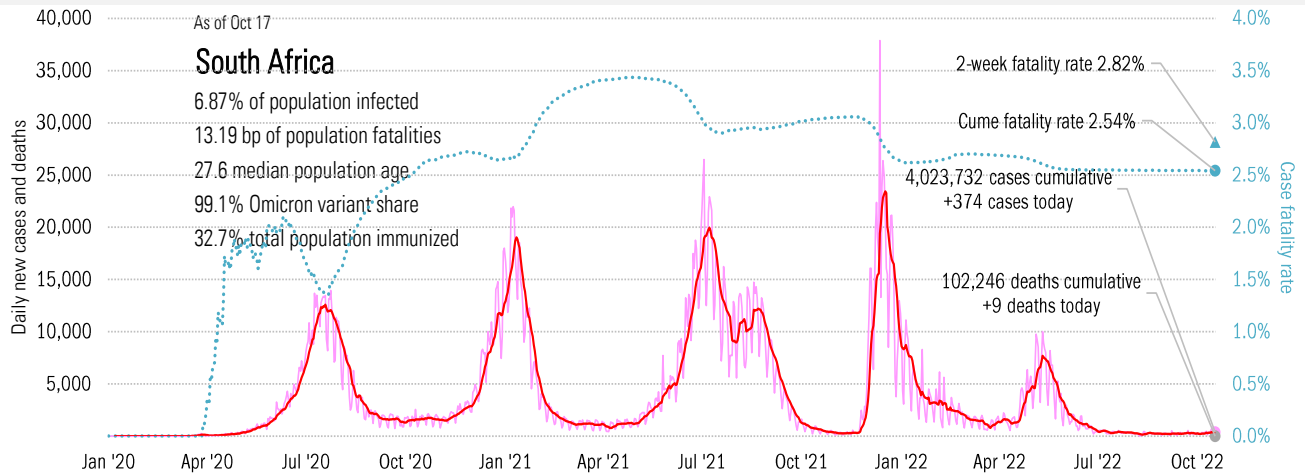
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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