

Data Insights: Covid-2019 Monitor

Friday, October 7, 2022

The global scorecard

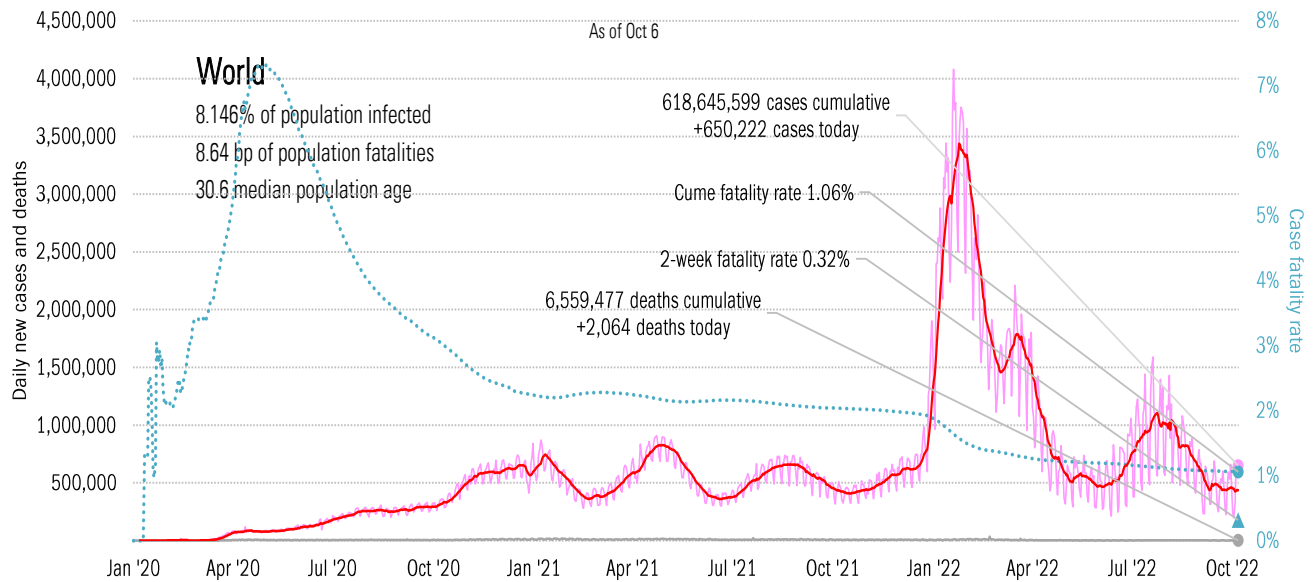
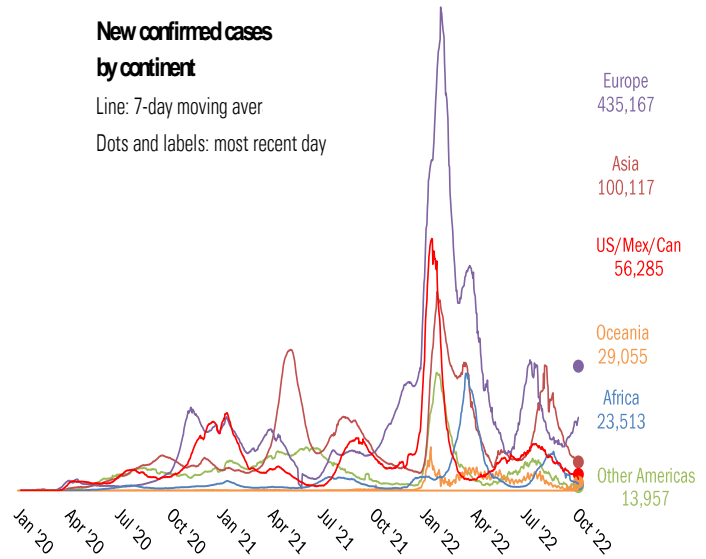
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	174,112	United States	562
France	65,537	United Kingdom	345
United Kingdom	62,421	Brazil	133
United States	59,918	Canada	120
Taiwan*	46,423	Germany	117
Italy	44,849	Russia	107
Japan	33,440	Japan	91
Australia	28,995	Australia	81
Russia	22,864	Taiwan*	57
Korea, South	22,259	Italy	56
560,818		1,669	
World	650,222	World	2,064
Top ten	86%	Top ten	81%

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

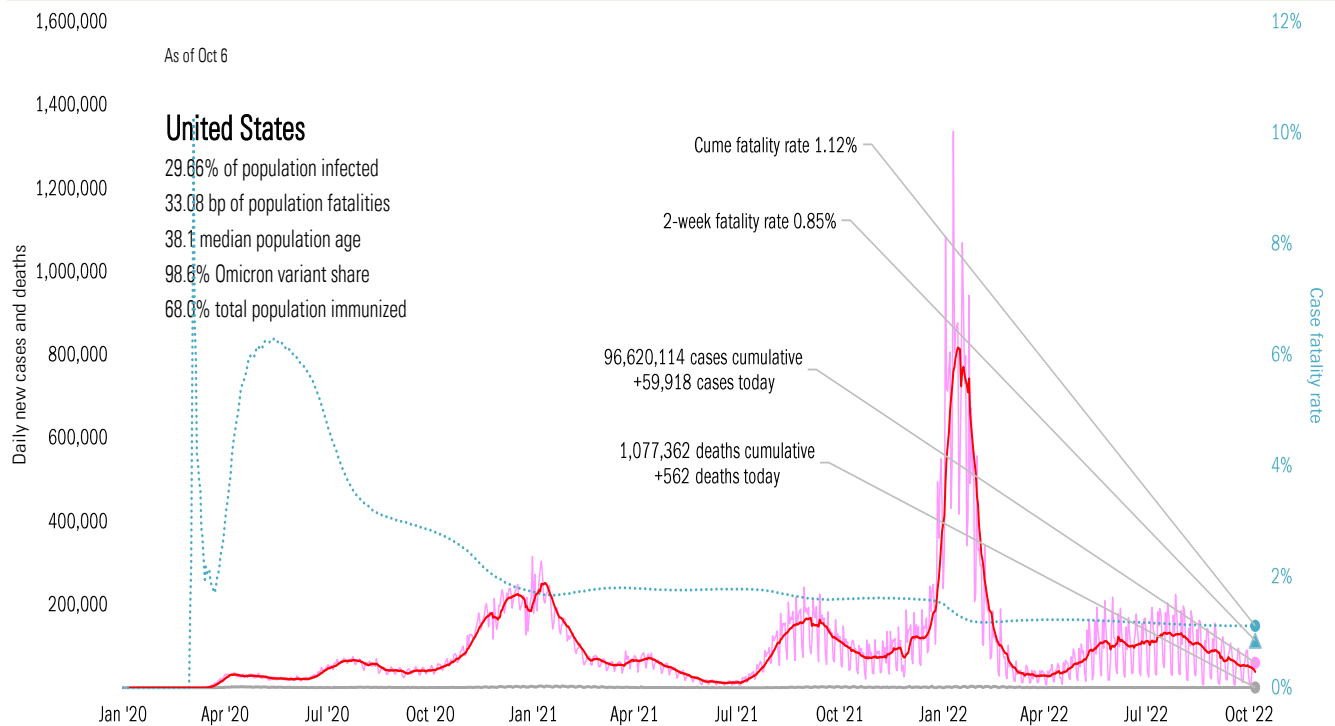
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
PA	12,116		TN	54		IL	166		CA	11,274,613		CA	96,133		TX	546,838		RI	92%		RI	87%	
MA	9,942		NC	47		VA	89		TX	8,006,345		TX	90,982		CA	501,359		MA	89%		MA	86%	
FL	5,774		IN	40		WI	88		FL	7,156,749		FL	81,650		FL	494,641		MN	86%		AL	85%	
NY	5,075		NY	37		MD	68		NY	6,146,457		NY	71,954		NY	301,478		DE	84%		NH	84%	
IN	3,652		CA	35		GA	90		IL	3,771,745		PA	47,323		GA	226,132		GA	84%		ID	84%	
KY	3,204		FL	34		ME	33		PA	3,266,934		GA	40,374		CH	219,006		MO	84%		AK	83%	
IL	2,467		WA	31		TX	234		NC	3,210,837		CH	39,950		PA	204,617		WV	84%		NC	82%	
NJ	2,335		VA	26		IA	43		CH	3,153,743		IL	39,760		IL	187,442		MI	83%		TX	82%	
MI	1,840		MI	20		NC	106		GA	2,909,760		MI	38,767		MI	163,329		AK	82%		GA	81%	
VA	1,769		AR	17		WA	69		MI	2,849,047		NJ	34,772		KY	145,355		MD	82%		NE	81%	
48,174			341			986			51,746,230			581,665			2,990,197								
All states	59,918			562			3,487		All states	96,620,114			1,077,362			5,425,821		All states	70%			67%	
Top ten	80%			61%			28%		Top ten	54%			55%			55%		Median	77%			74%	

Some states not reporting

Five most improved US states

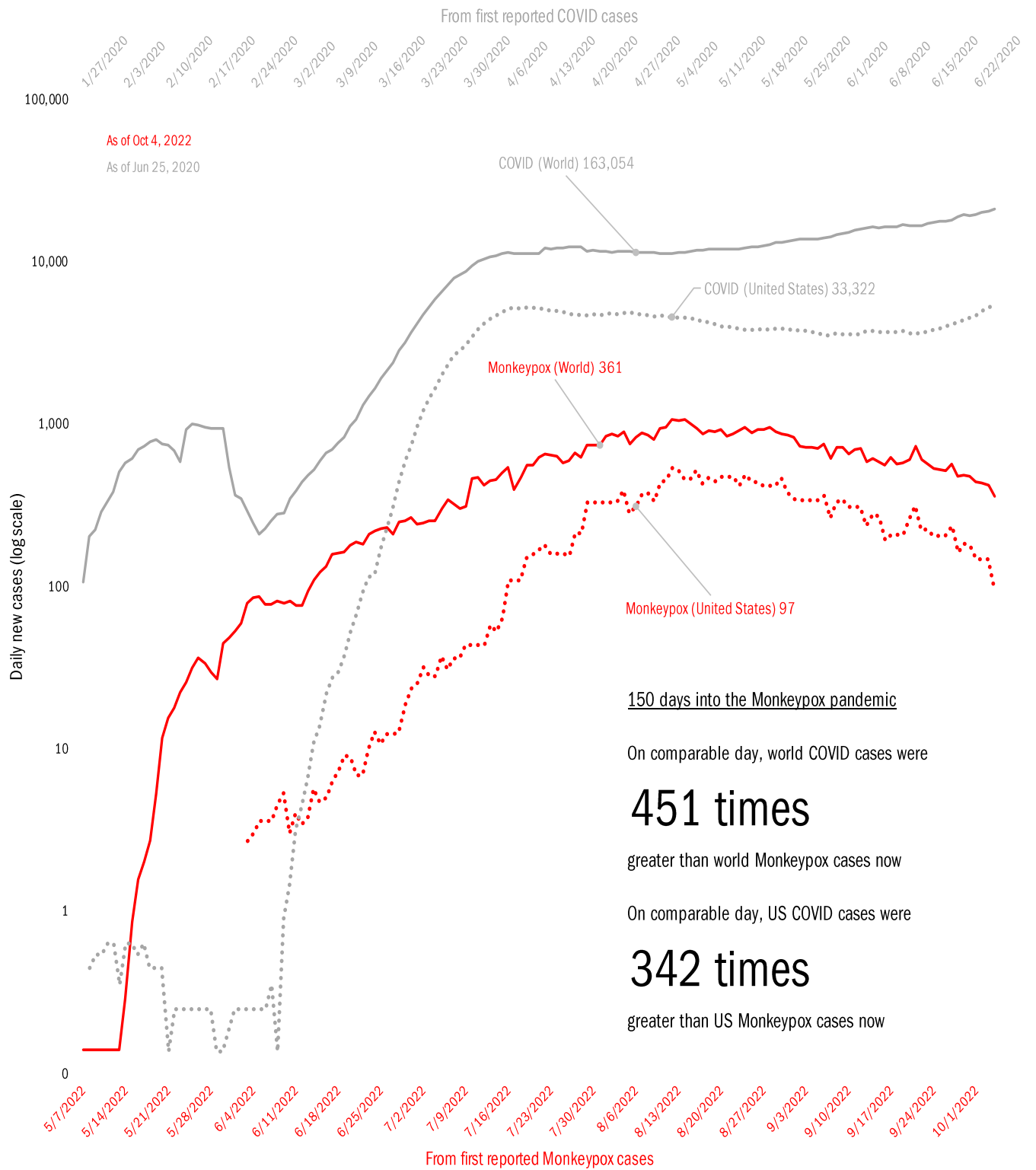
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-10,769	TX	-26	NY	-50
TX	-1,292	NM	-6	CT	-22
IA	-496	AR	-5	NJ	-21
NE	-487	MD	-5	SC	-21
CO	-233	IL	-2	MS	-17



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

The Monkeypox contextualizer

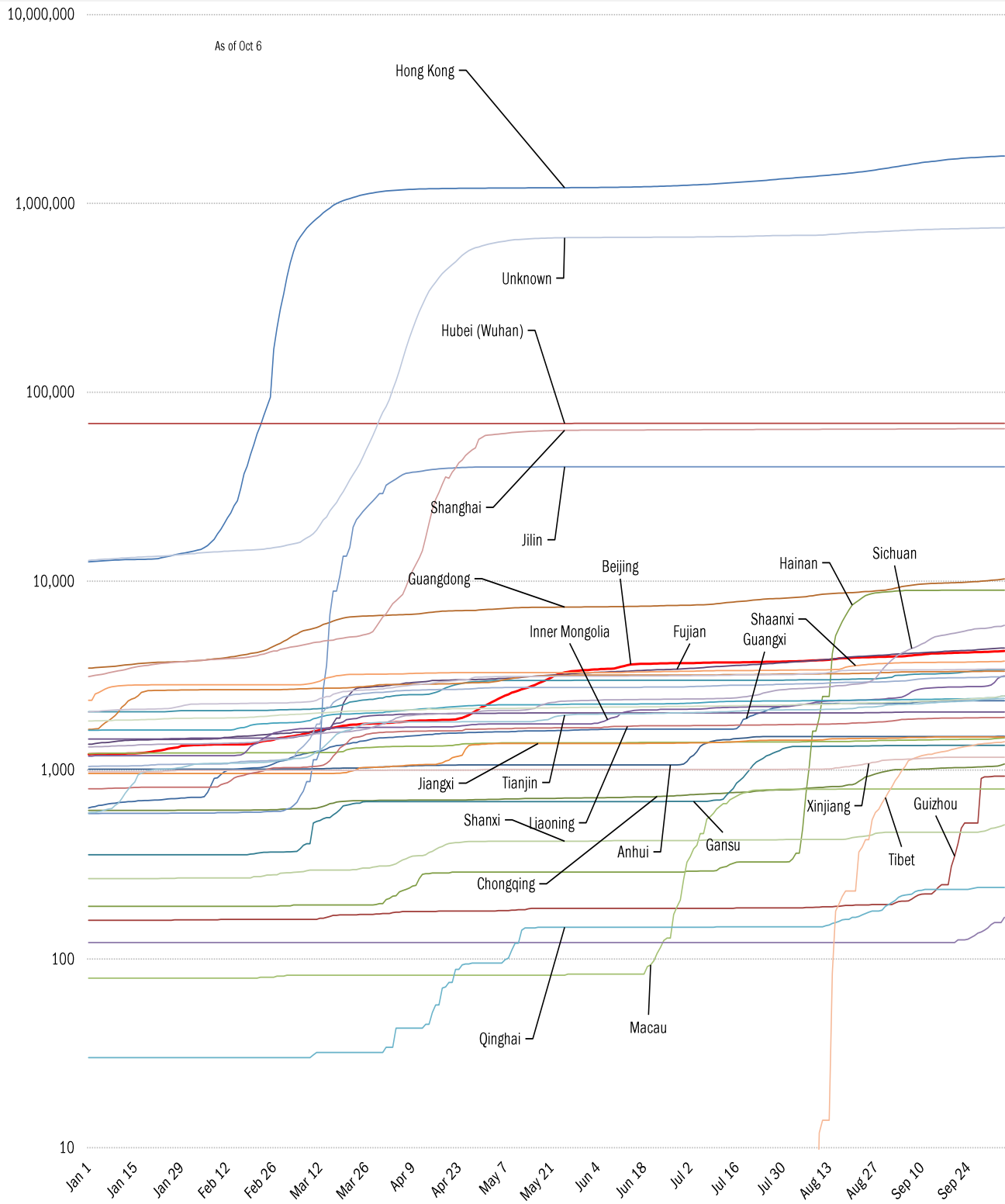
The course of case growth versus COVID



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"

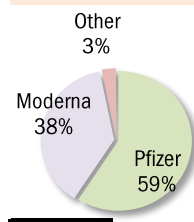


Source: [Johns Hopkins](#), TrendMacro calculations

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	France	78.7%
Total population	272,769,462	82%	232,566,440	70%	+0.103 million	Spain	85.6%
Age 12 to 17	18,239,142	72%	15,598,069	62%	+0.005 million	Germany	76.1%
Age 18 to 64	181,807,769	89%	154,688,903	76%	+0.070 million	Italy	81.0%
Age 65 and over	60,054,982	100%	52,589,623	96%	+0.018 million	Australia	84.0%
						Israel	66.2%
						Canada	82.8%
						Japan	82.6%
						Africa	23.3%
						India	67.4%
						Brazil	80.4%
						China	89.2%

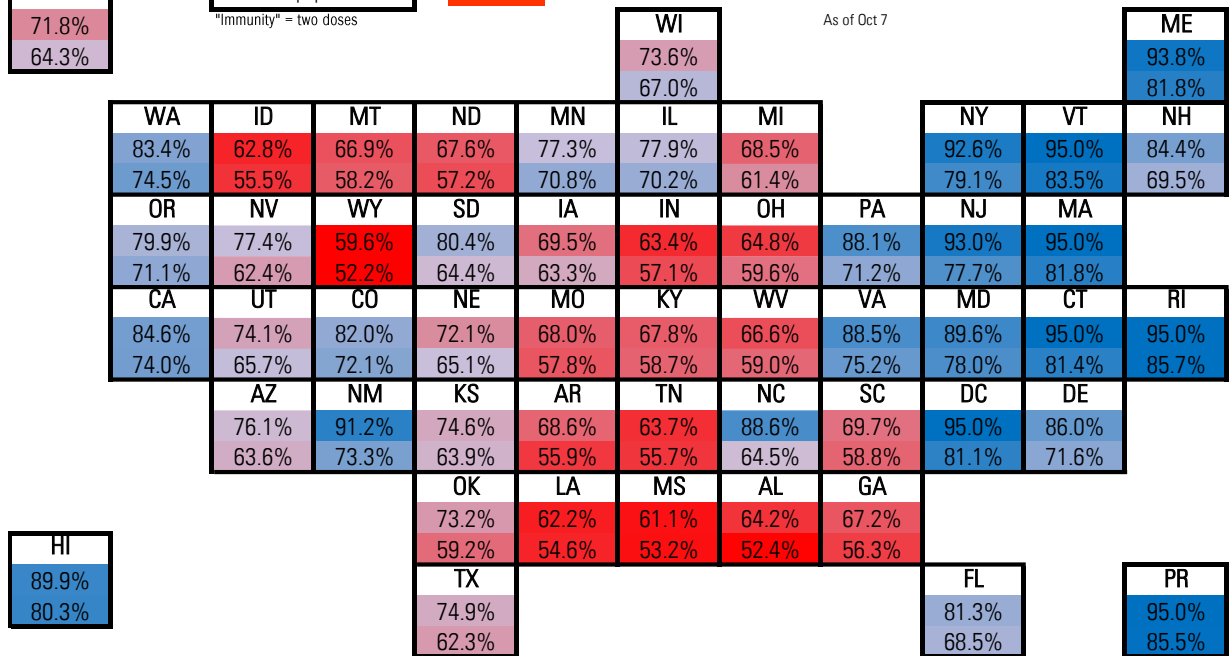


AK	71.8%
	64.3%

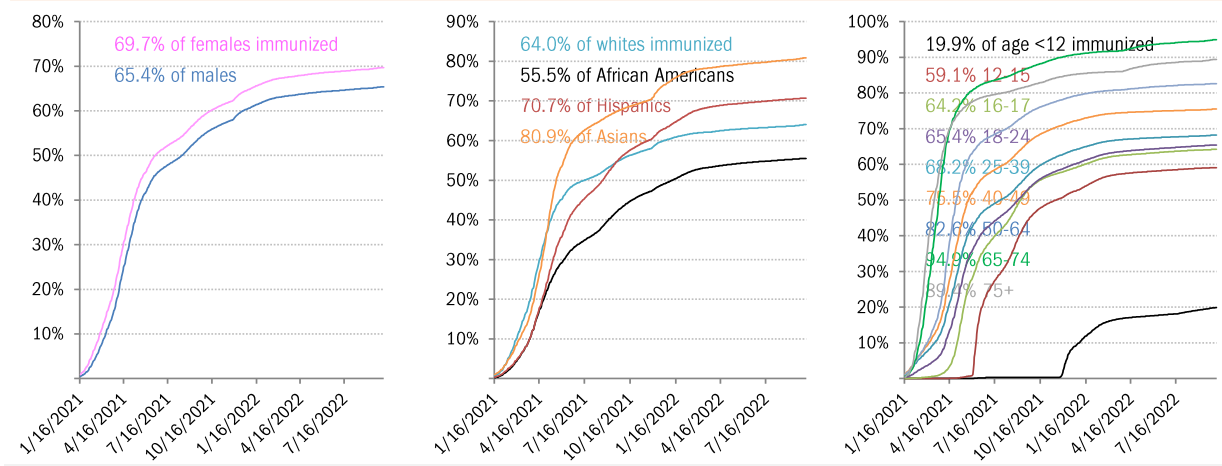
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

*Immunity = two doses

Global data differs due to sources, timing

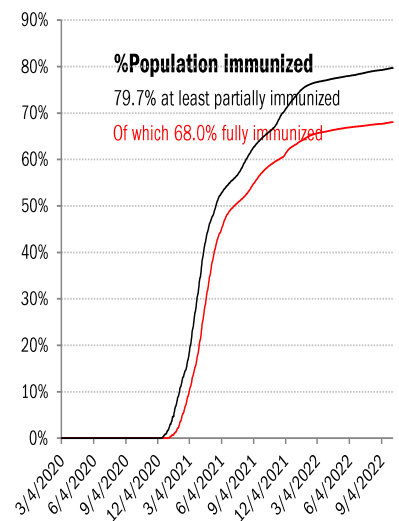
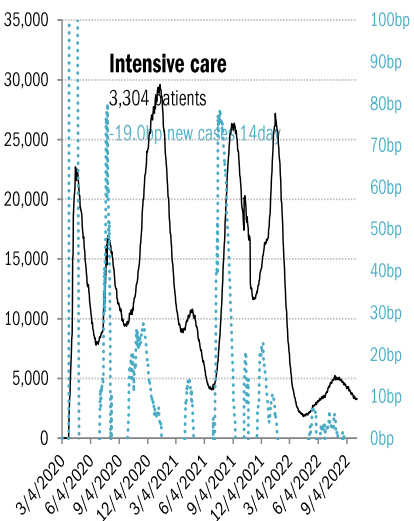
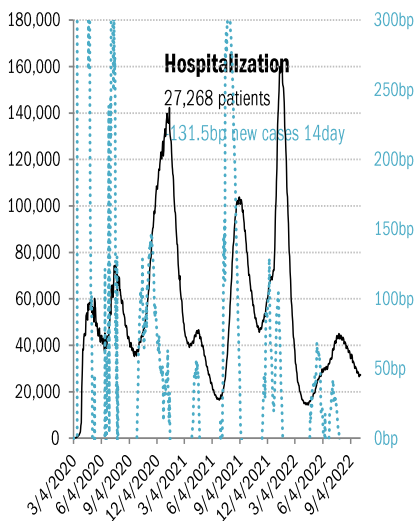
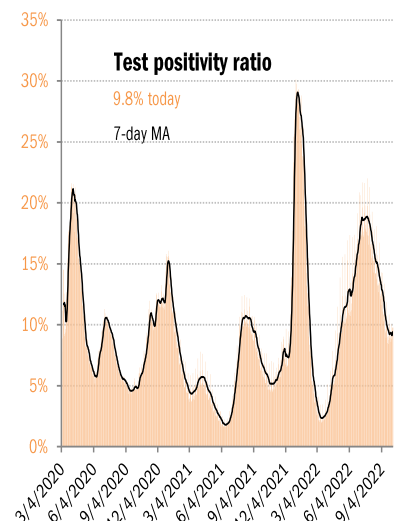
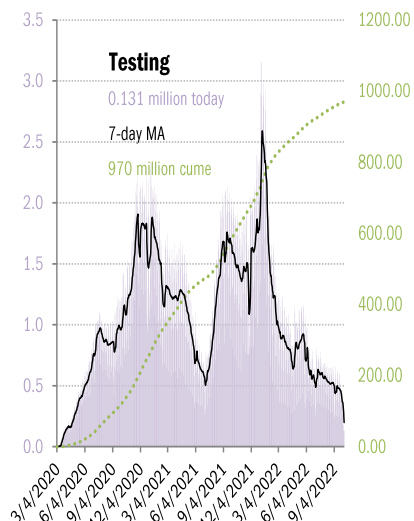
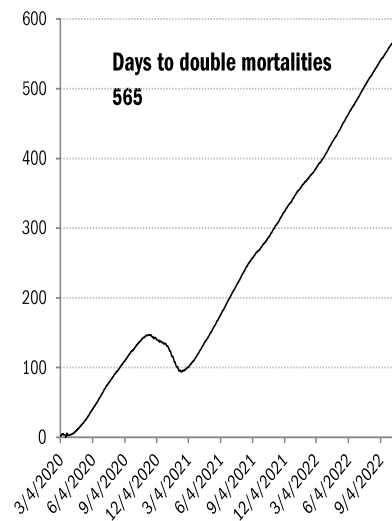
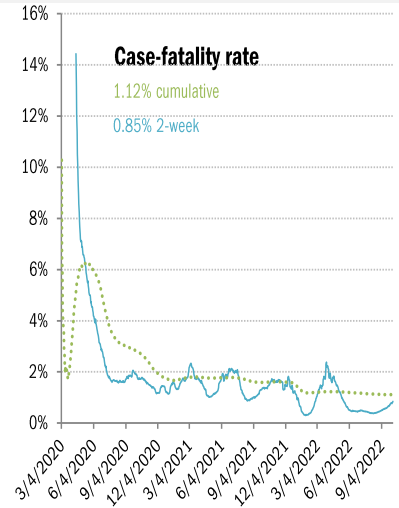
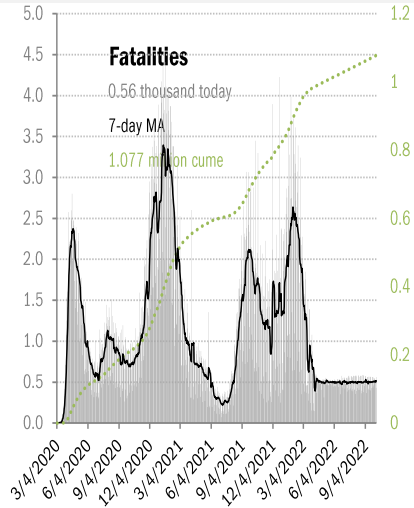
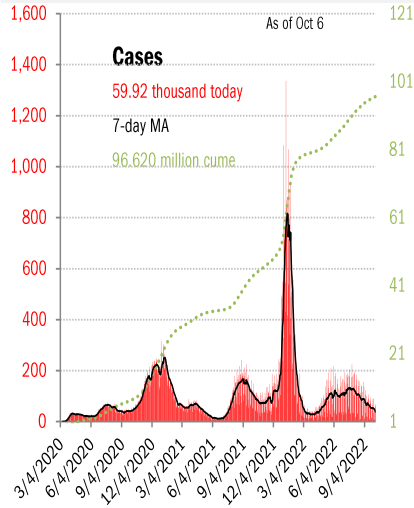


The demographics of US vaccination

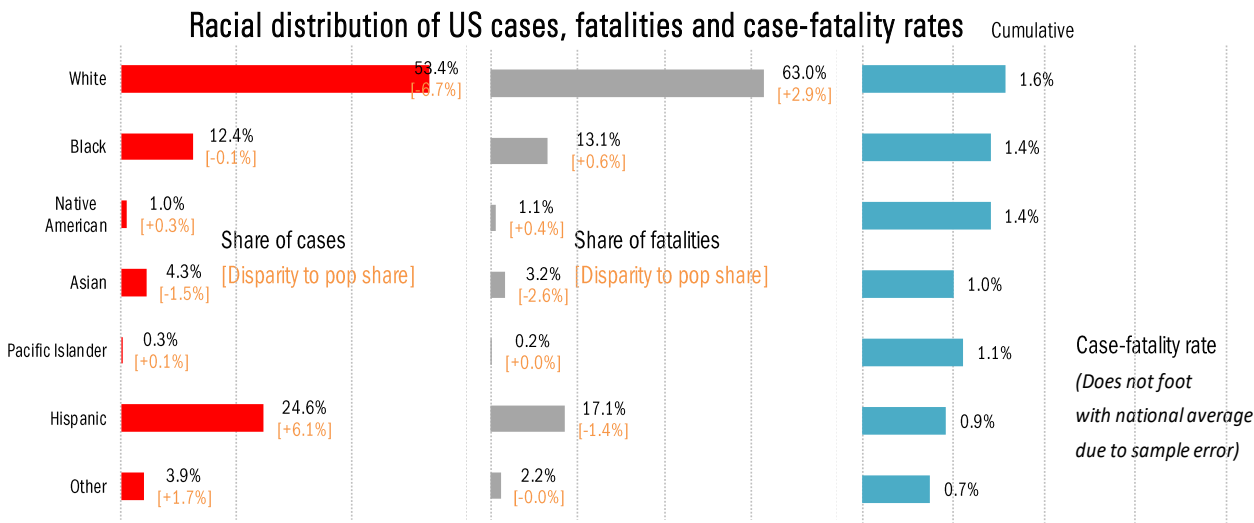
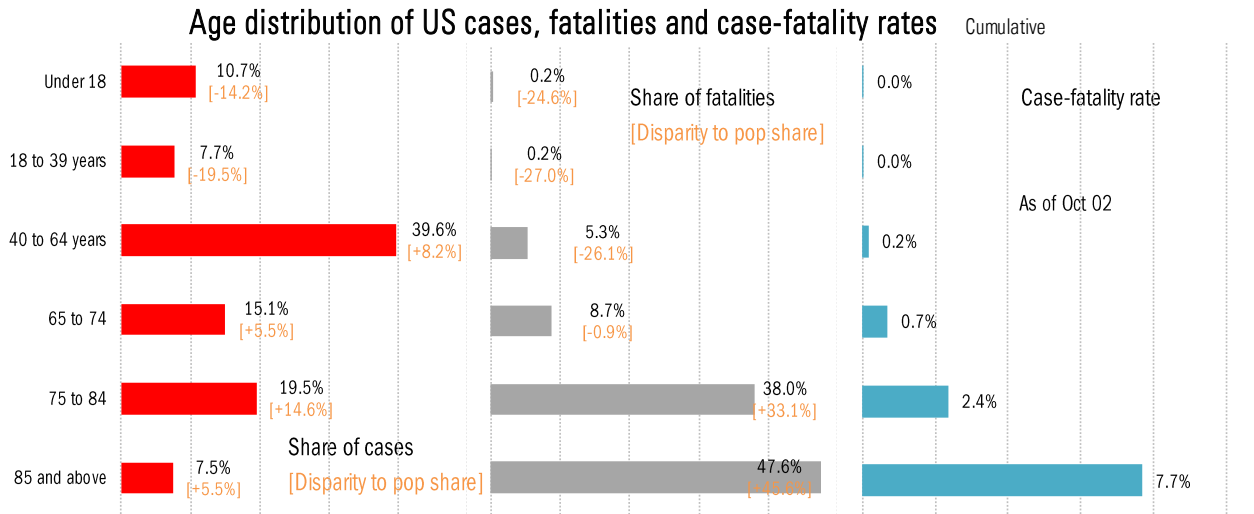


Source: CDC, CDC, Our World in Data, TrendMacro calculations

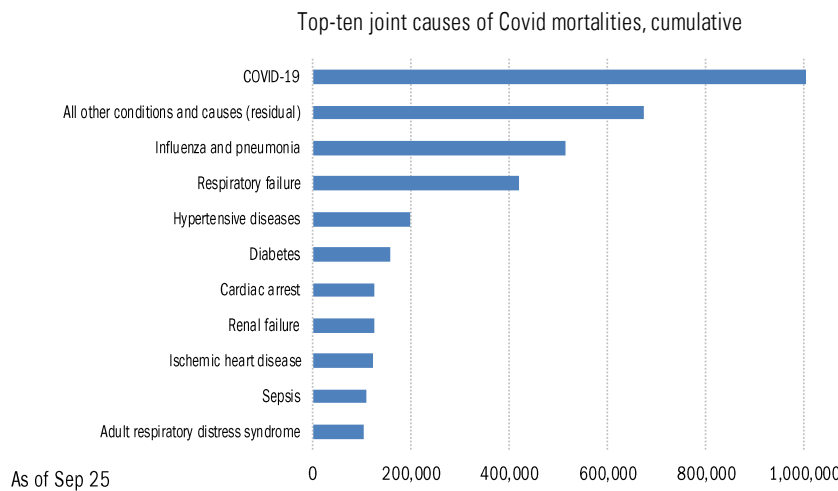
US deep-dive



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

[Effectiveness of mRNA-1273 against infection and COVID-19 hospitalization with SARS-CoV-2 Omicron subvariants: BA.1, BA.2, BA.2.12.1, BA.4, and BA.5](#)

Hung Fu Tseng
medRxiv
October 1, 2022

[Negative vaccine efficacy keeps rearing its ugly head. Now Kaiser admits it.](#)

Meryl Nass
Meryl's COVID Newsletter
October 7, 2022

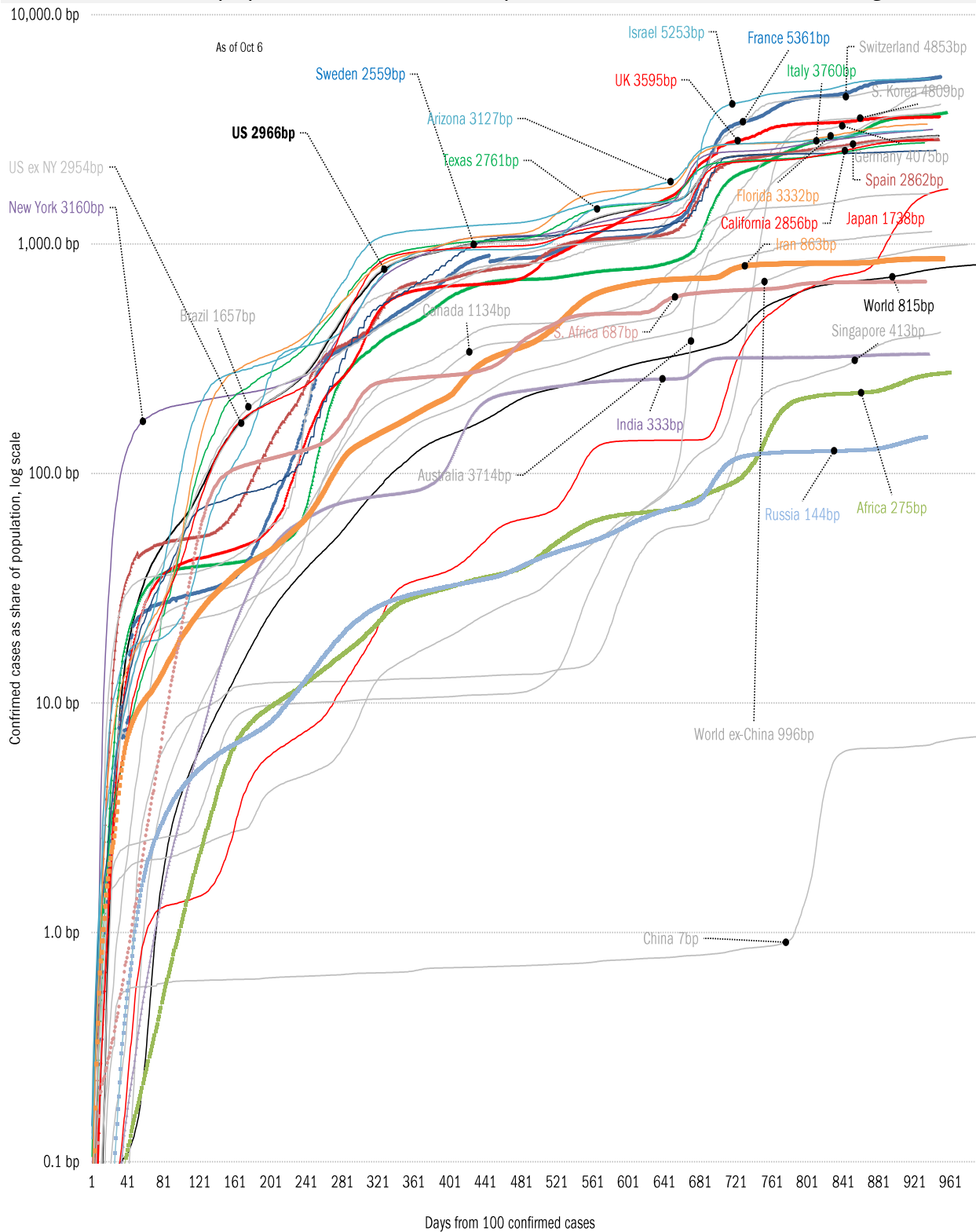
Meme of the day



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

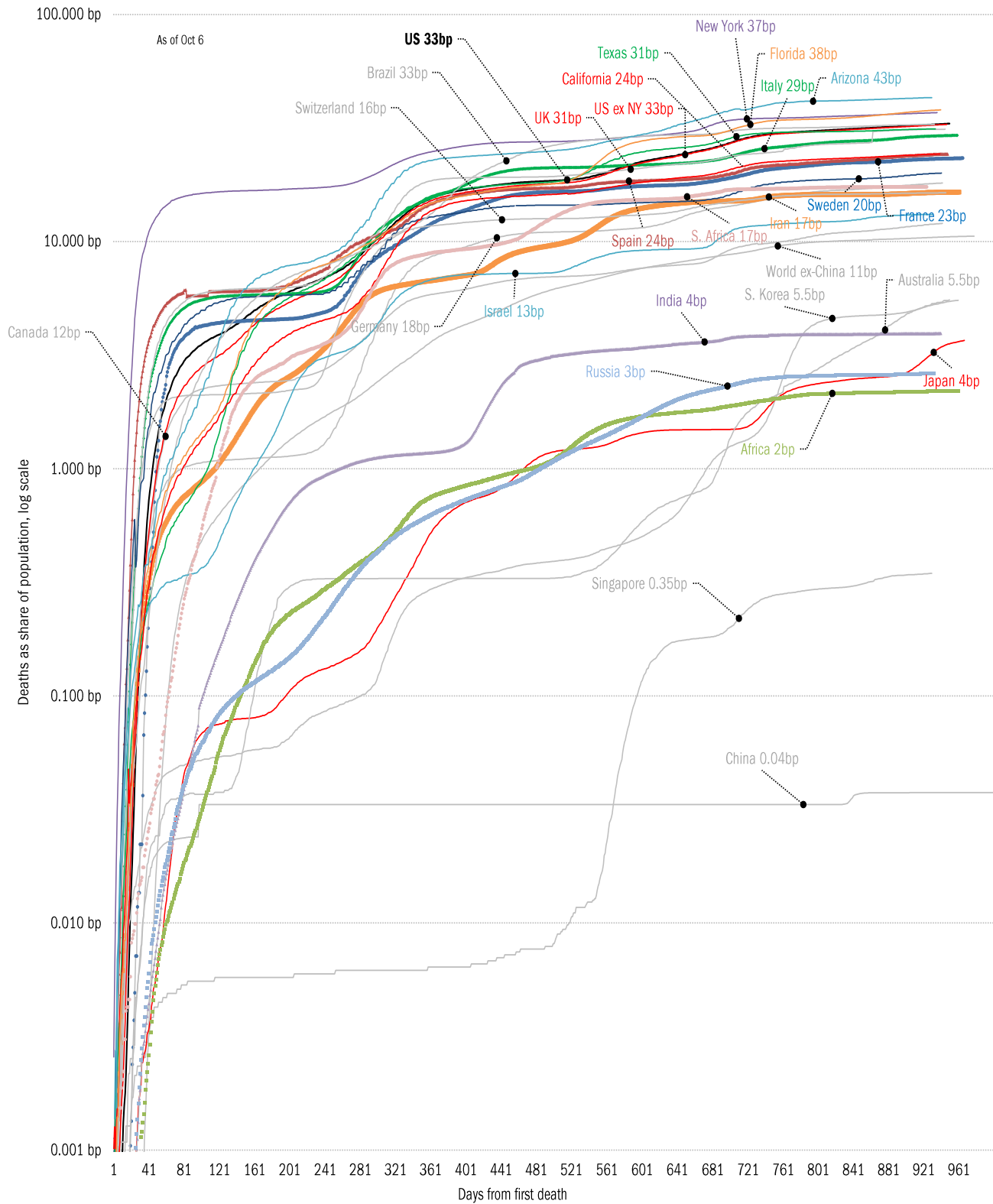
The global coronavirus case accelerometer... tracking the world's infection curves

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

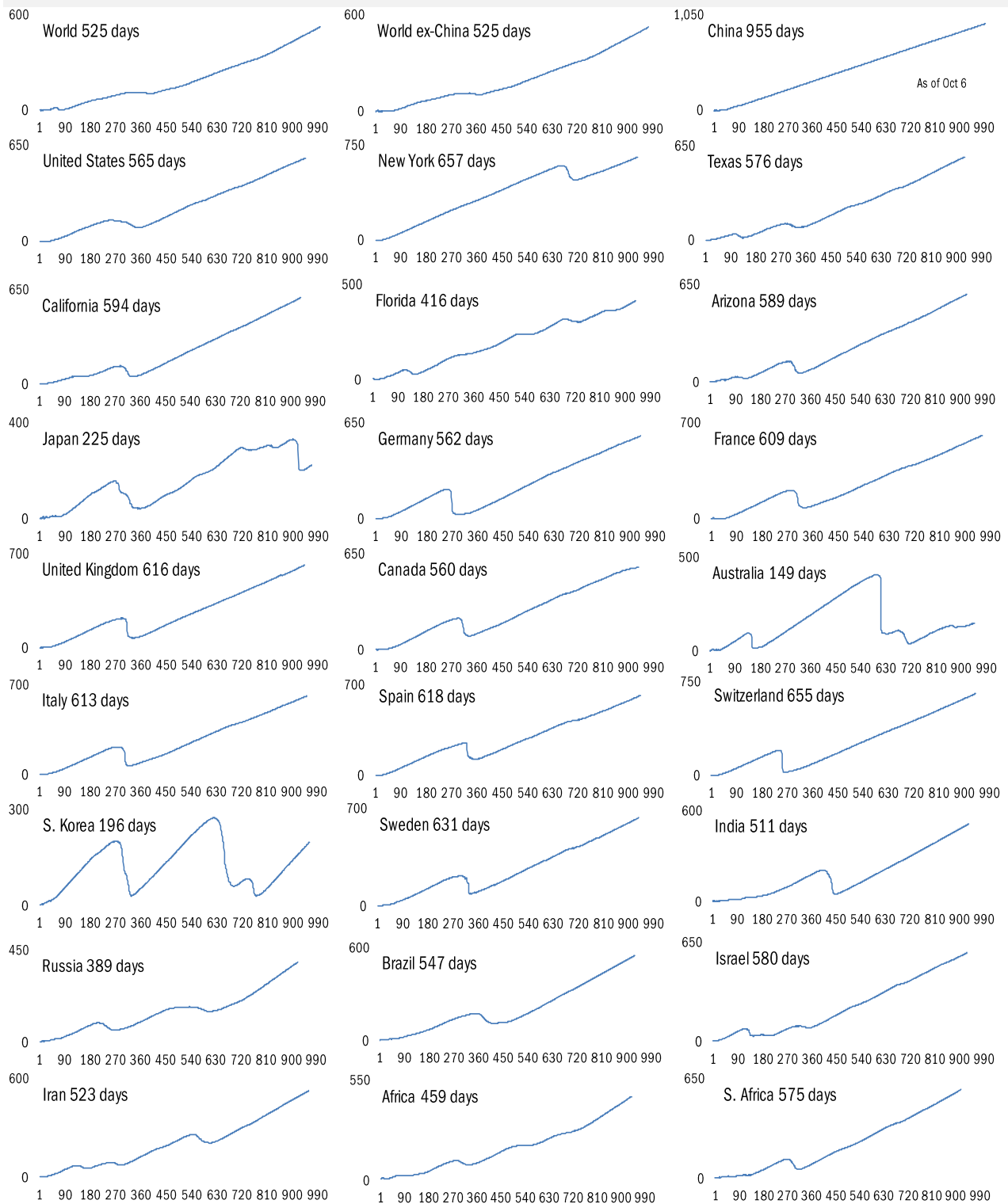


Source: [Johns Hopkins](#), TrendMacro calculations

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

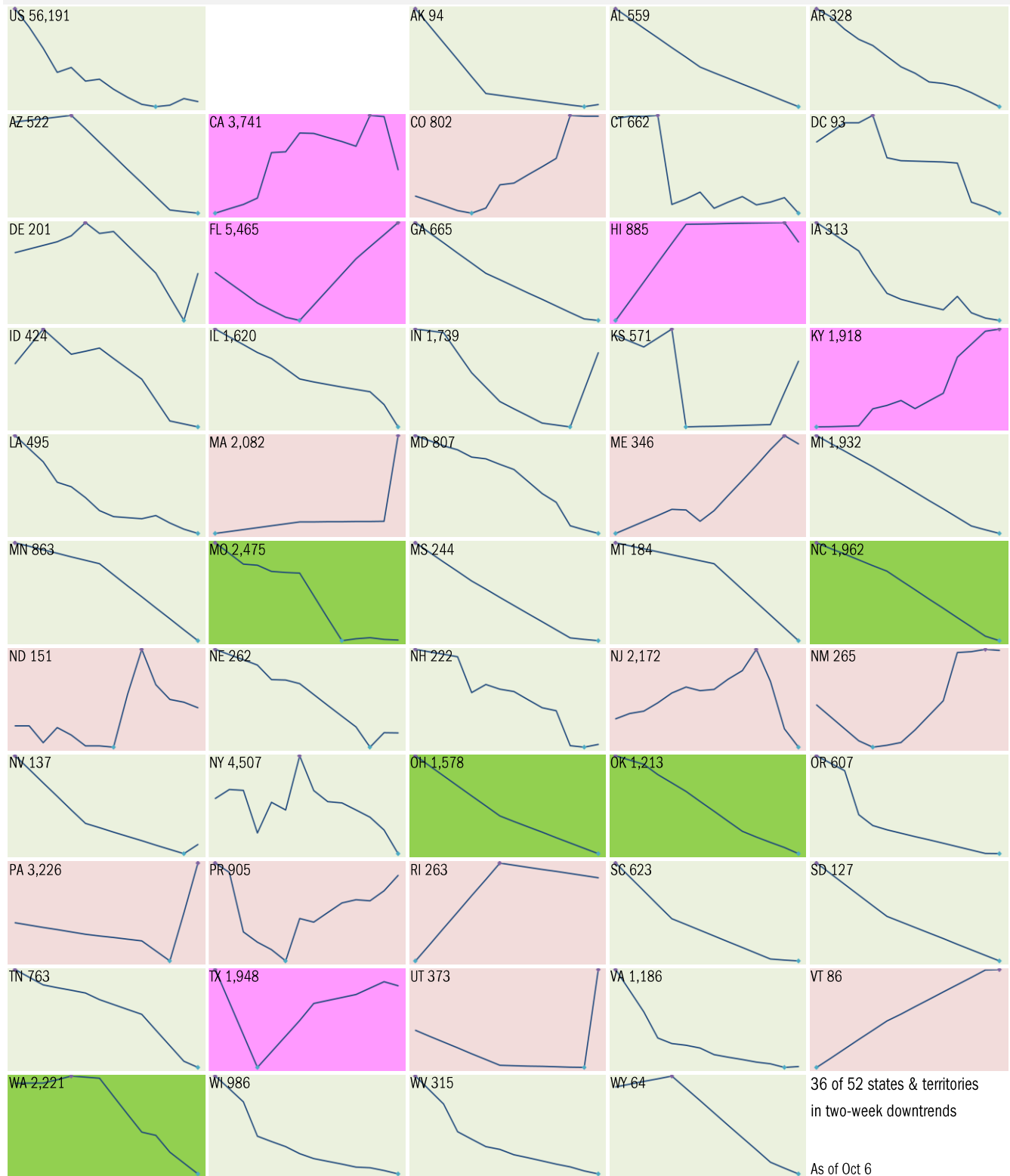


Source: [Johns Hopkins](#), TrendMacro calculations

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

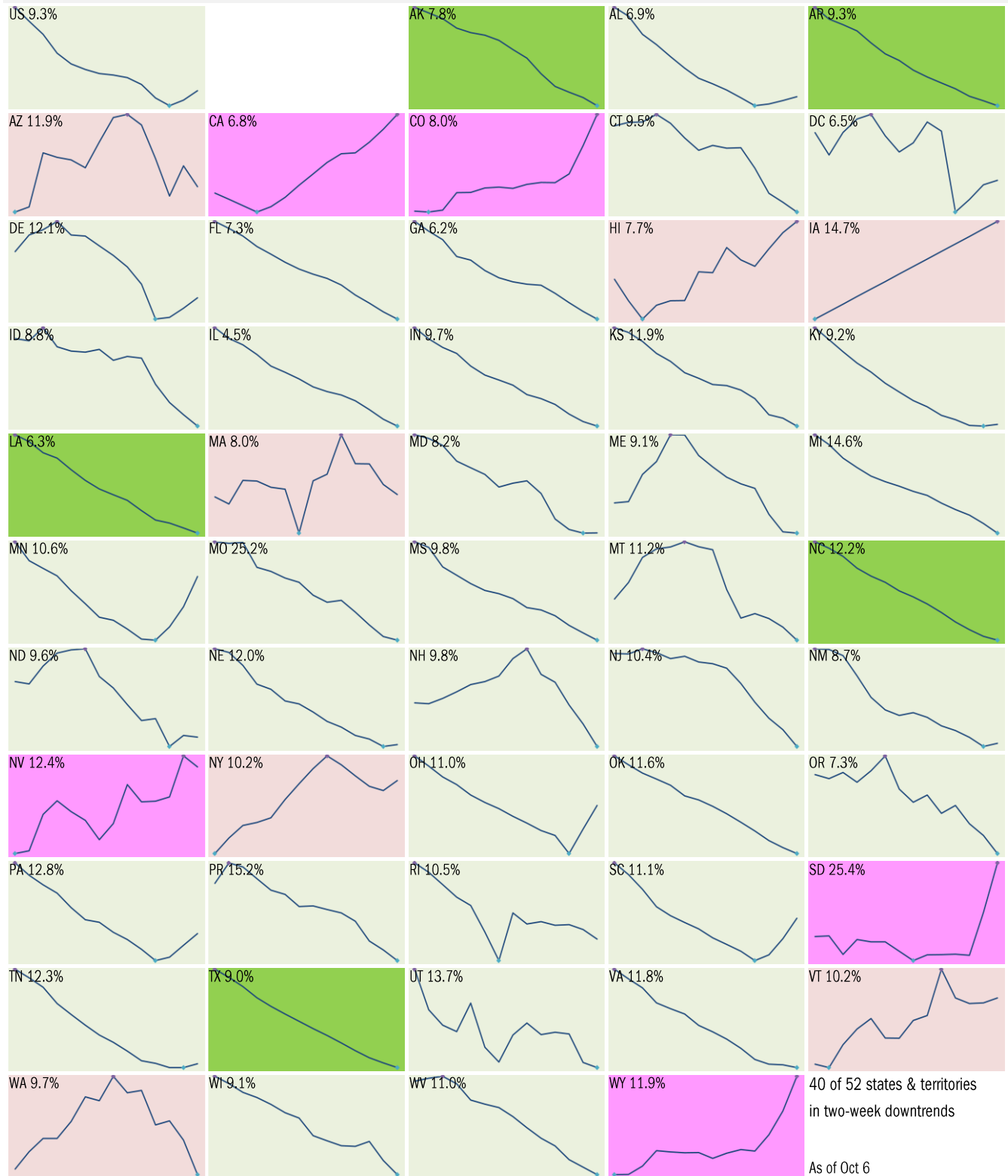


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

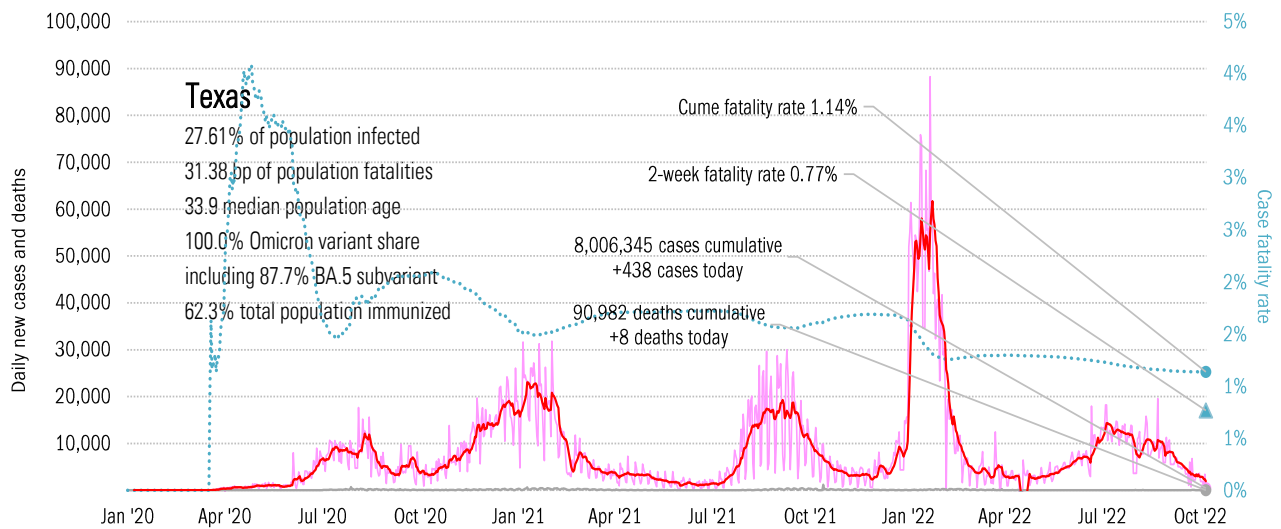
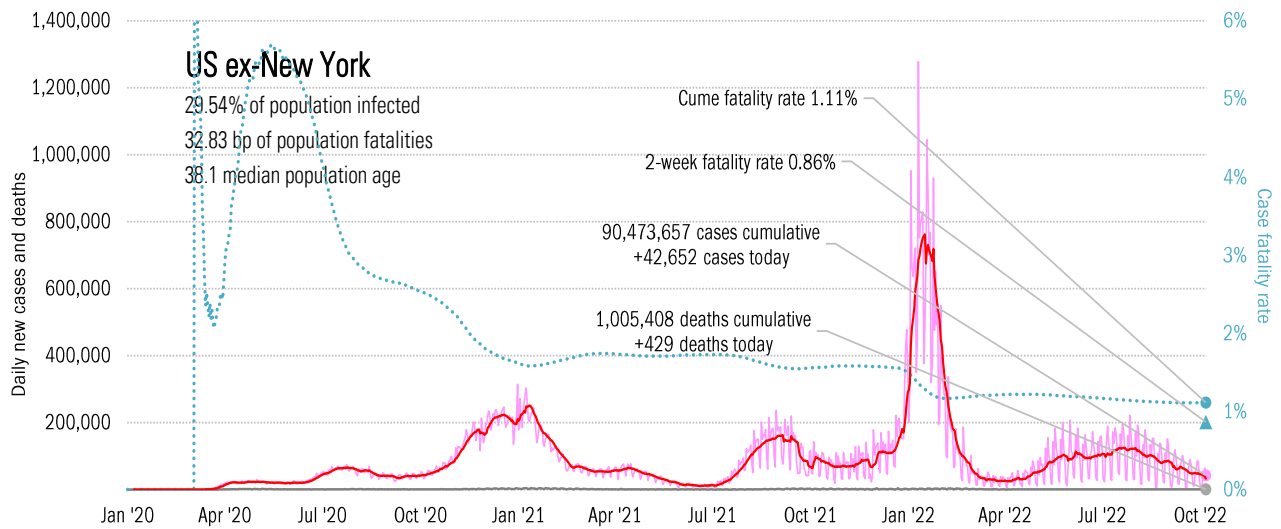
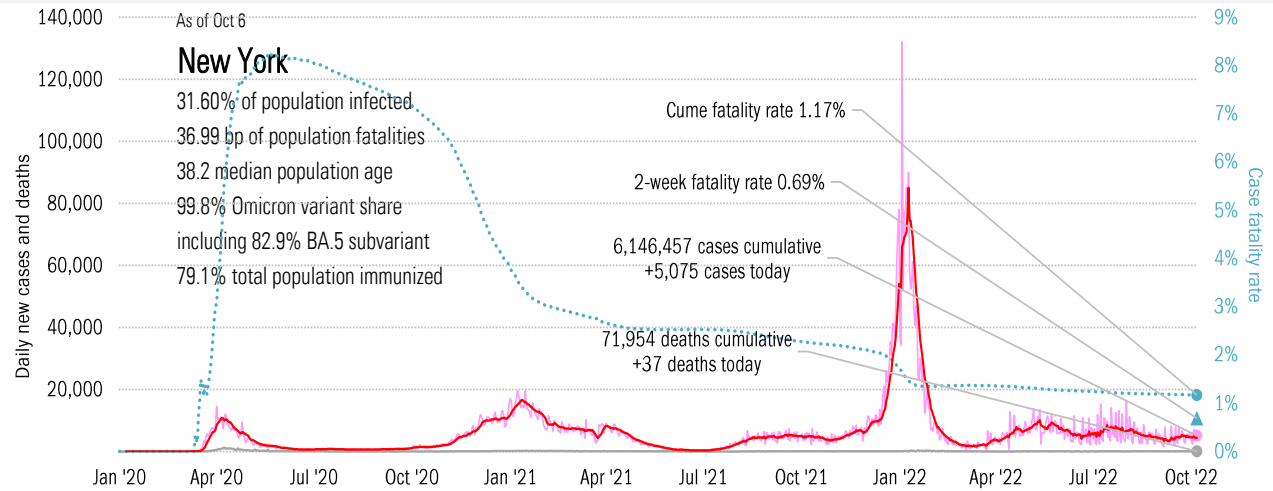
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

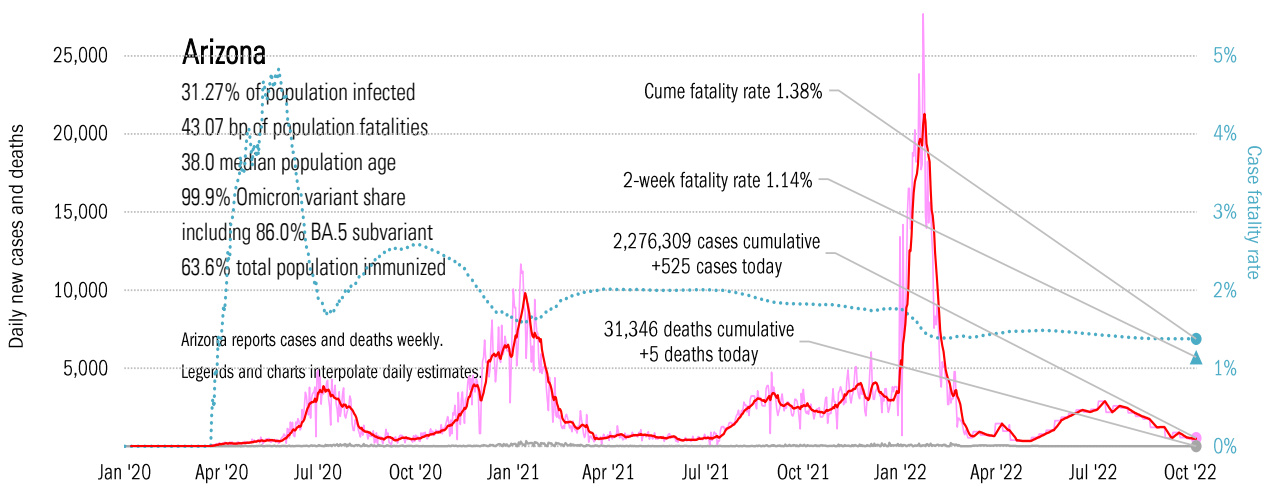
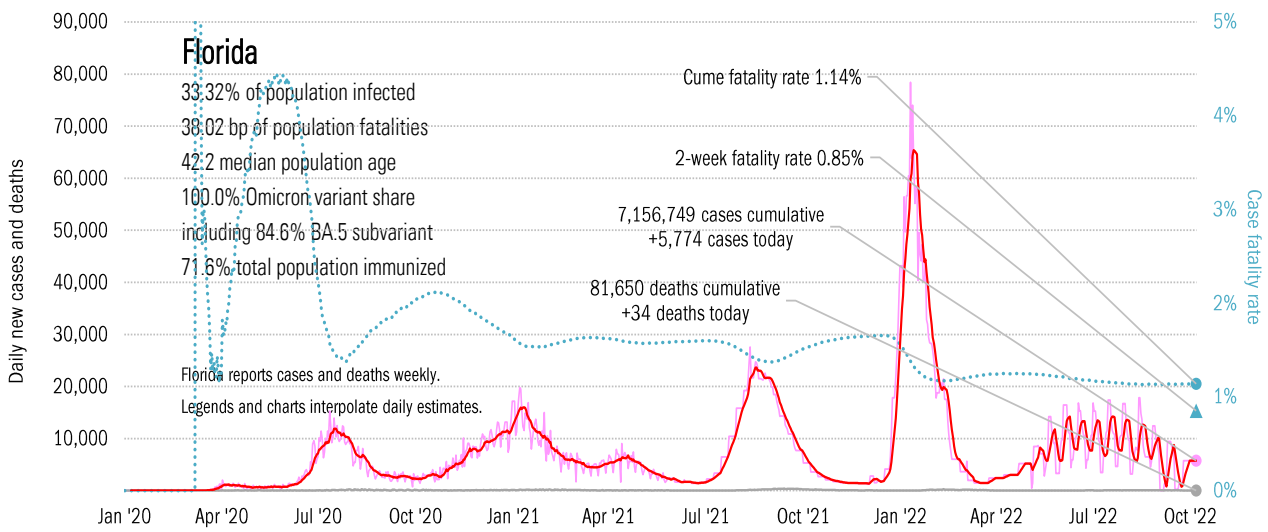
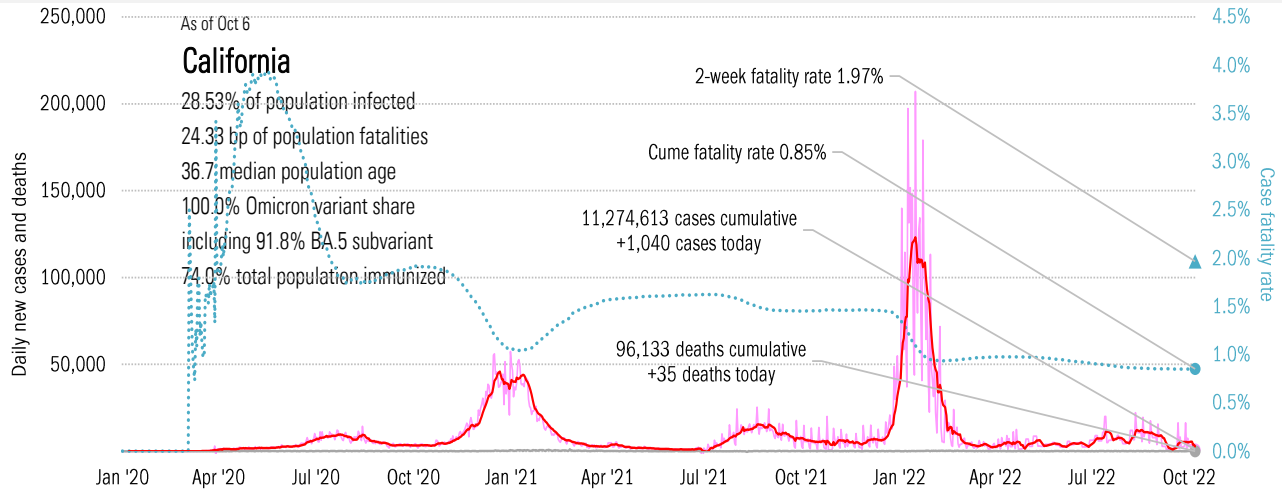
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

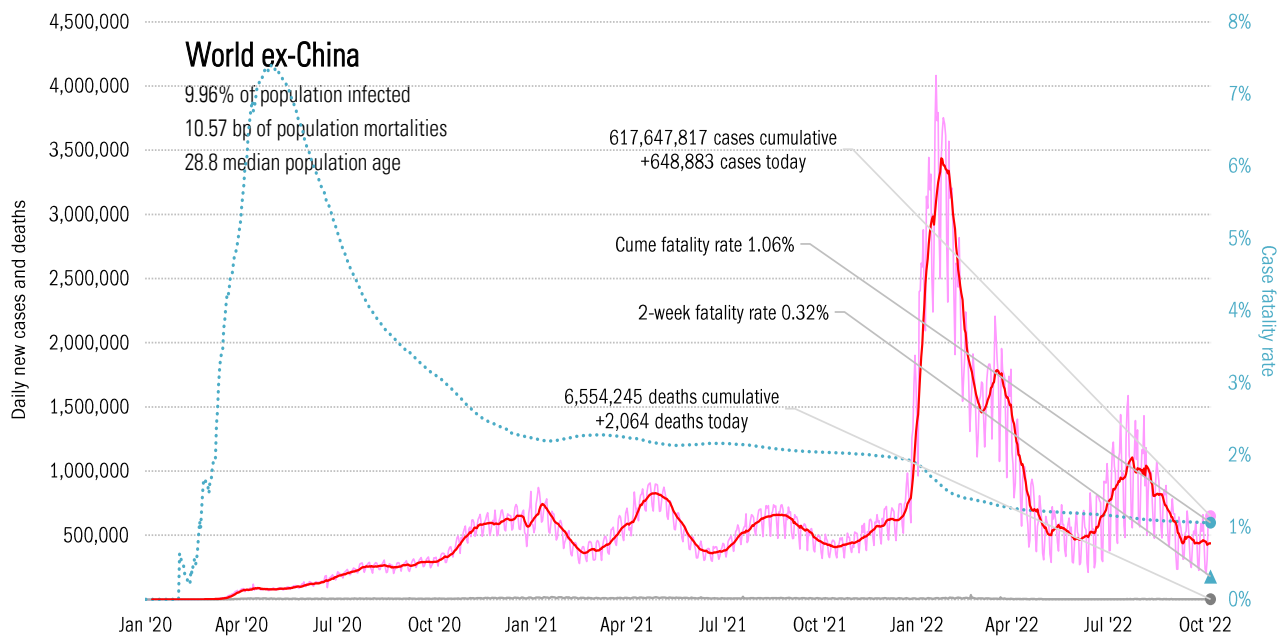
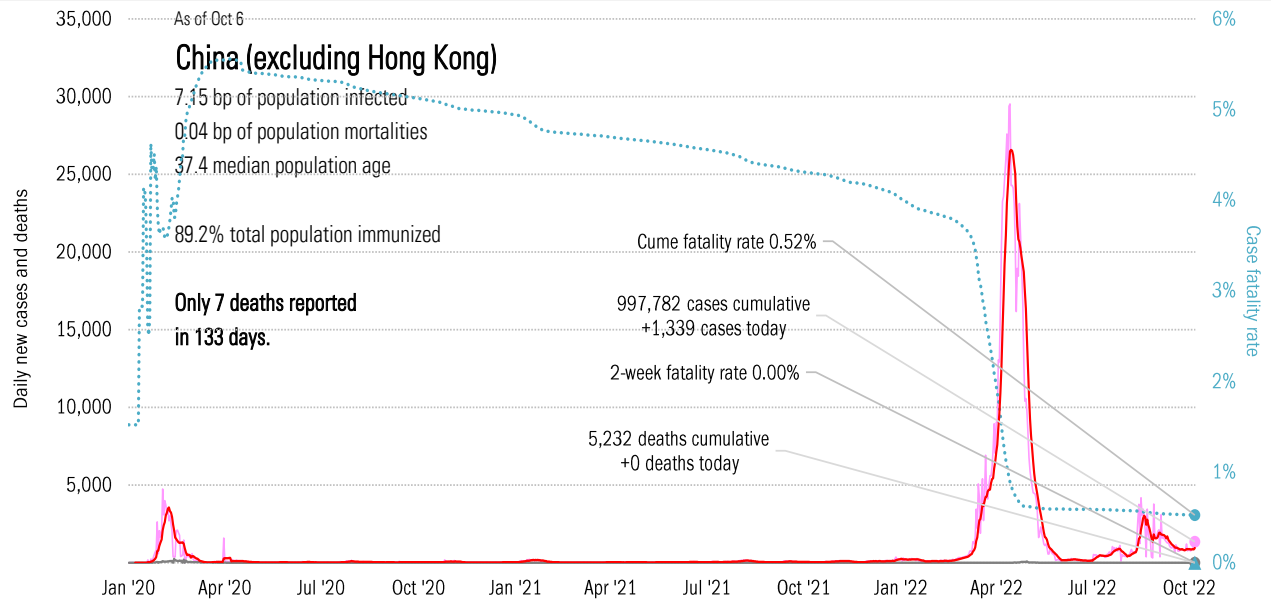
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

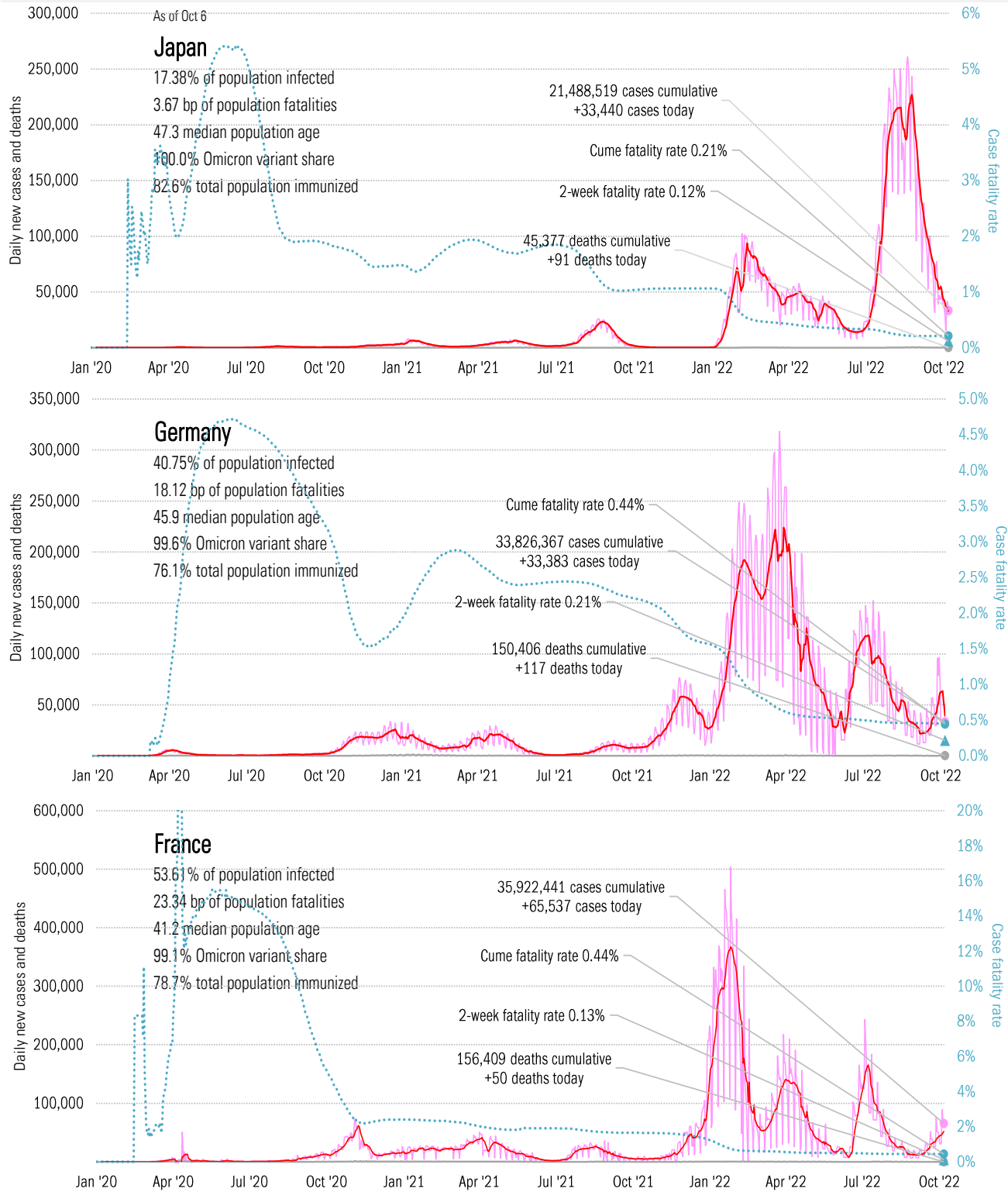
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

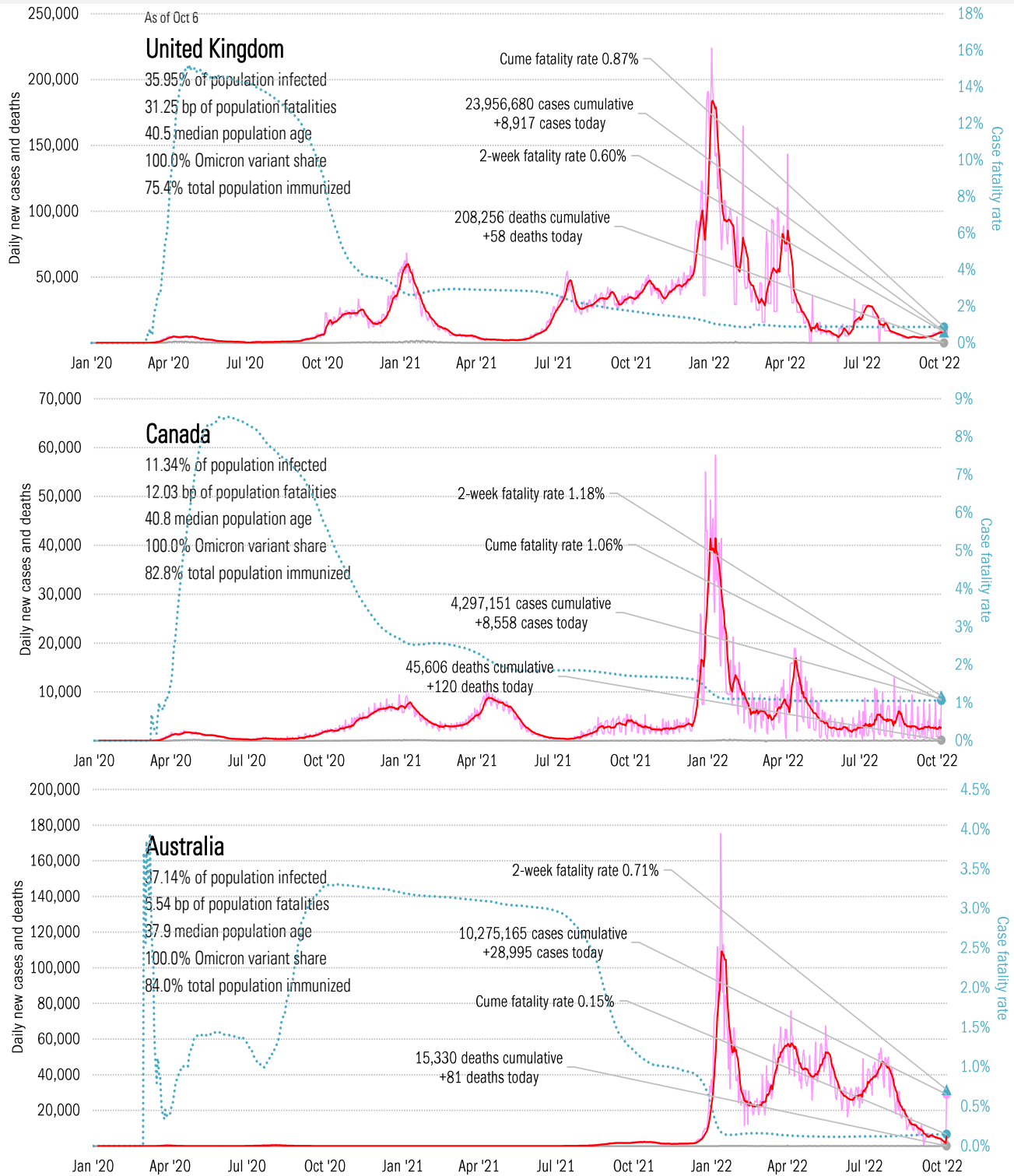
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

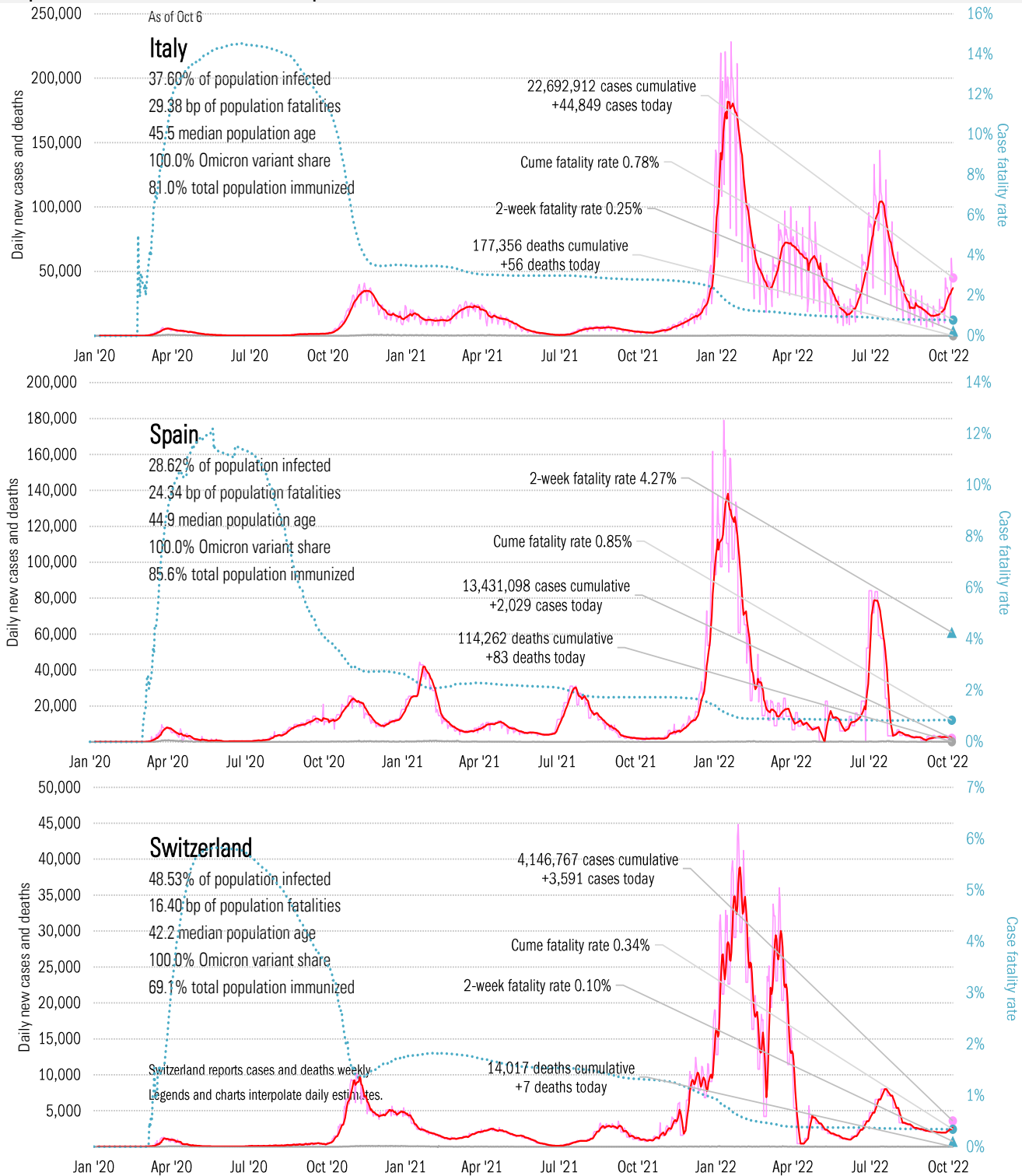
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

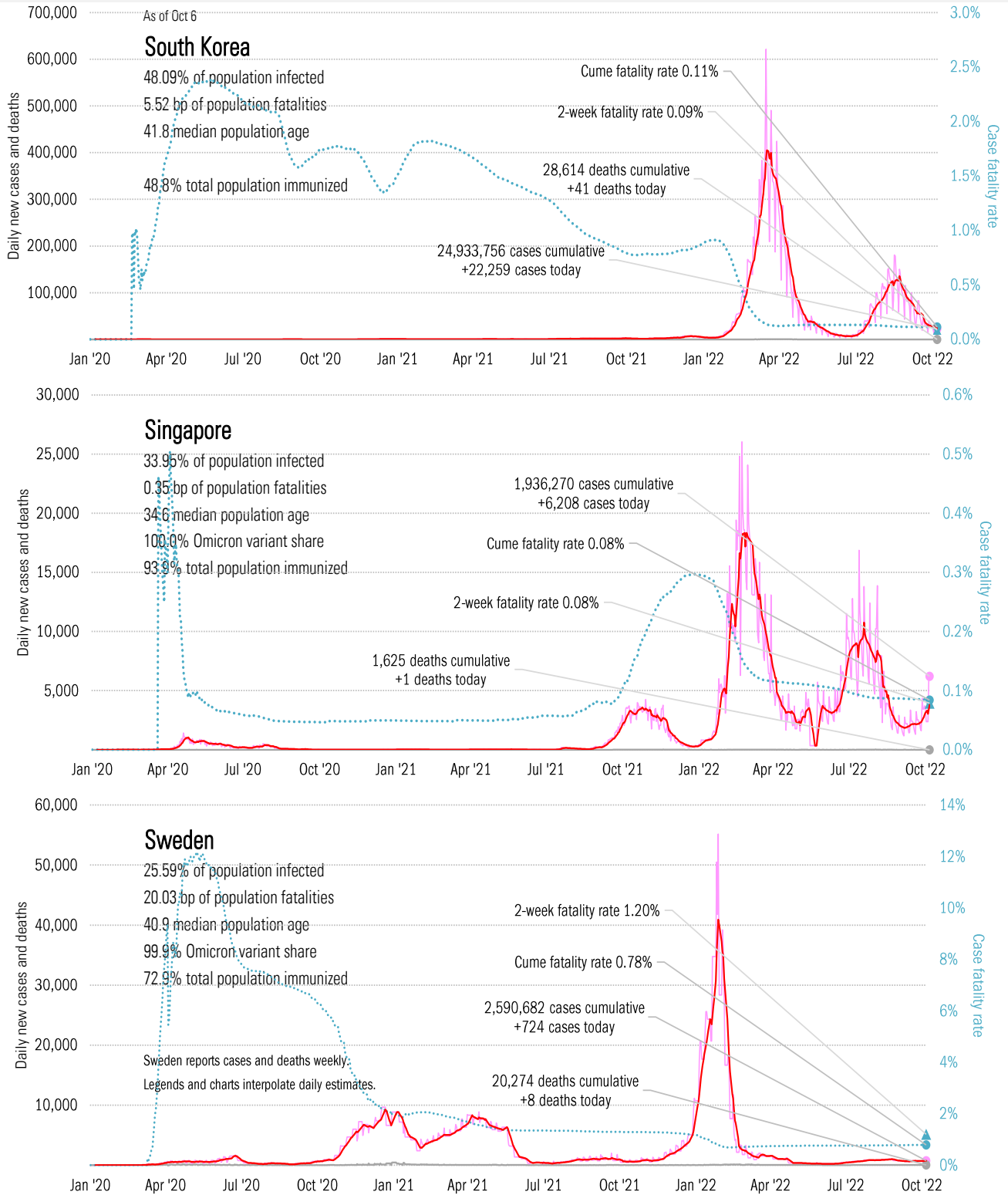
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

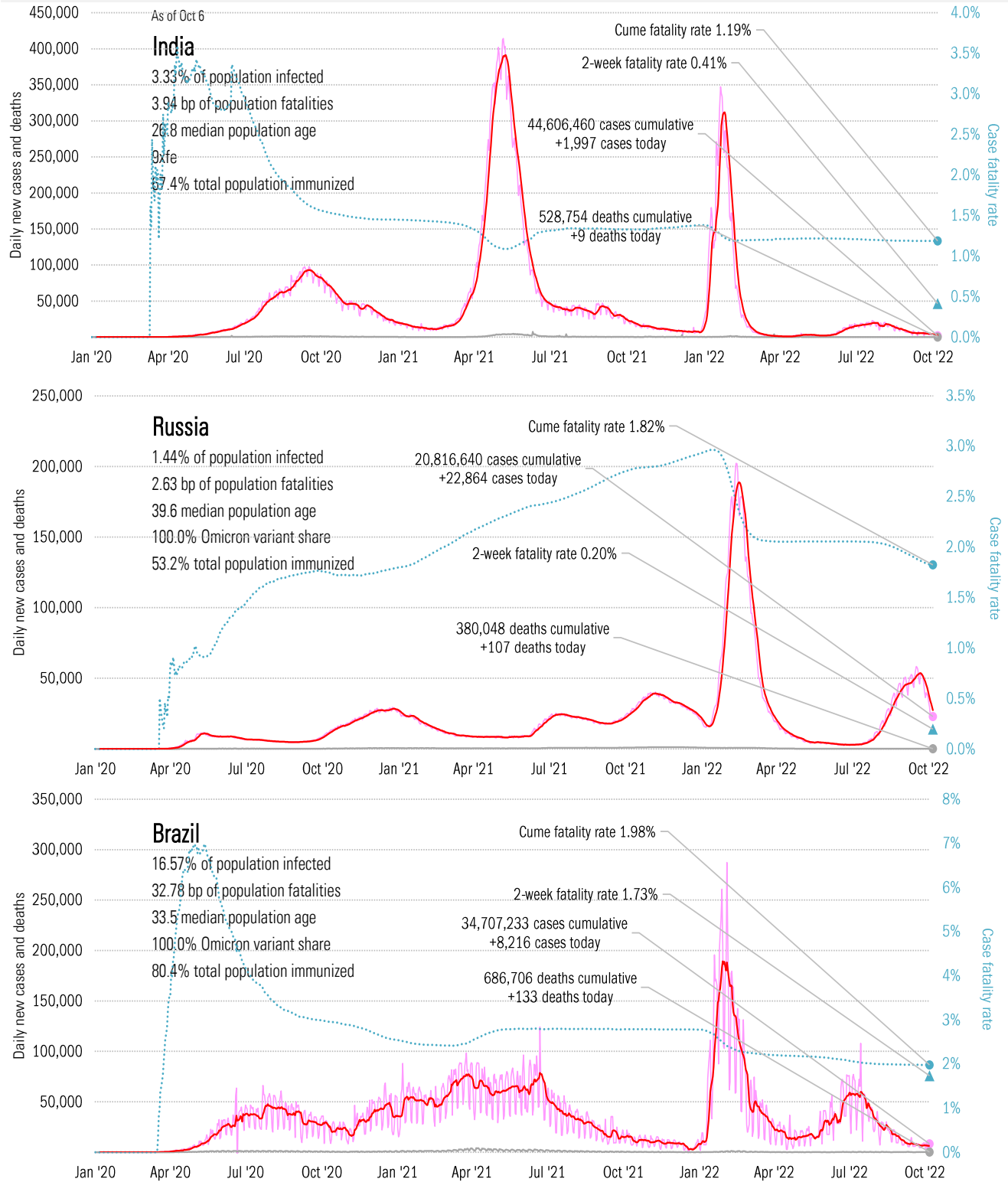
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

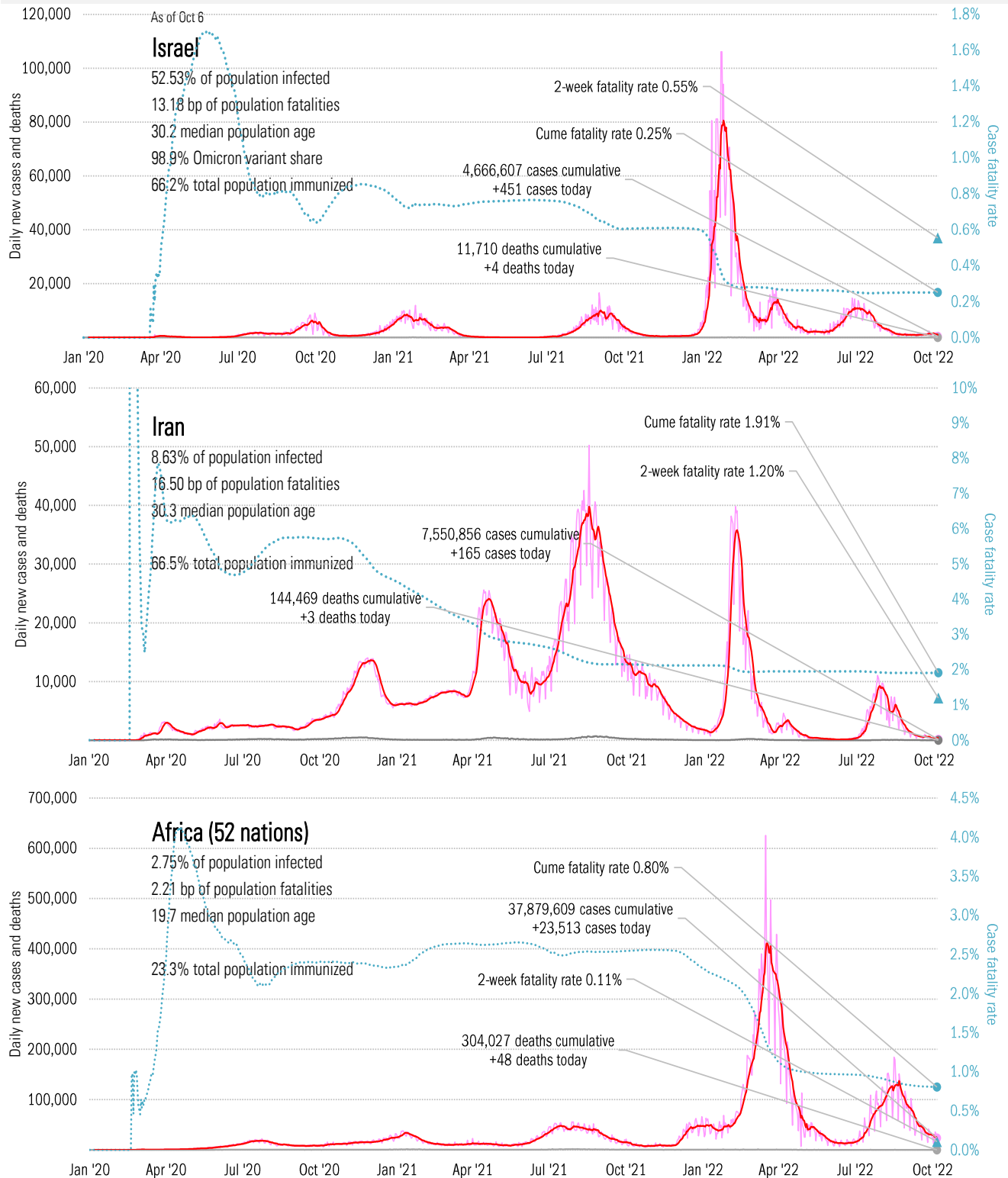
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

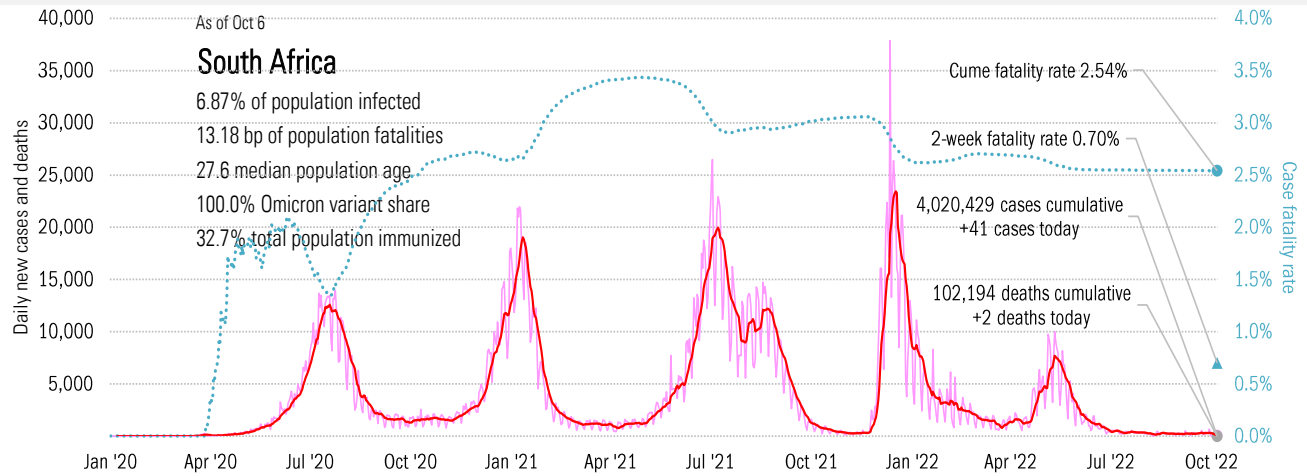
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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