

Data Insights: Covid-2019 Monitor

Thursday, October 13, 2022

The global scorecard

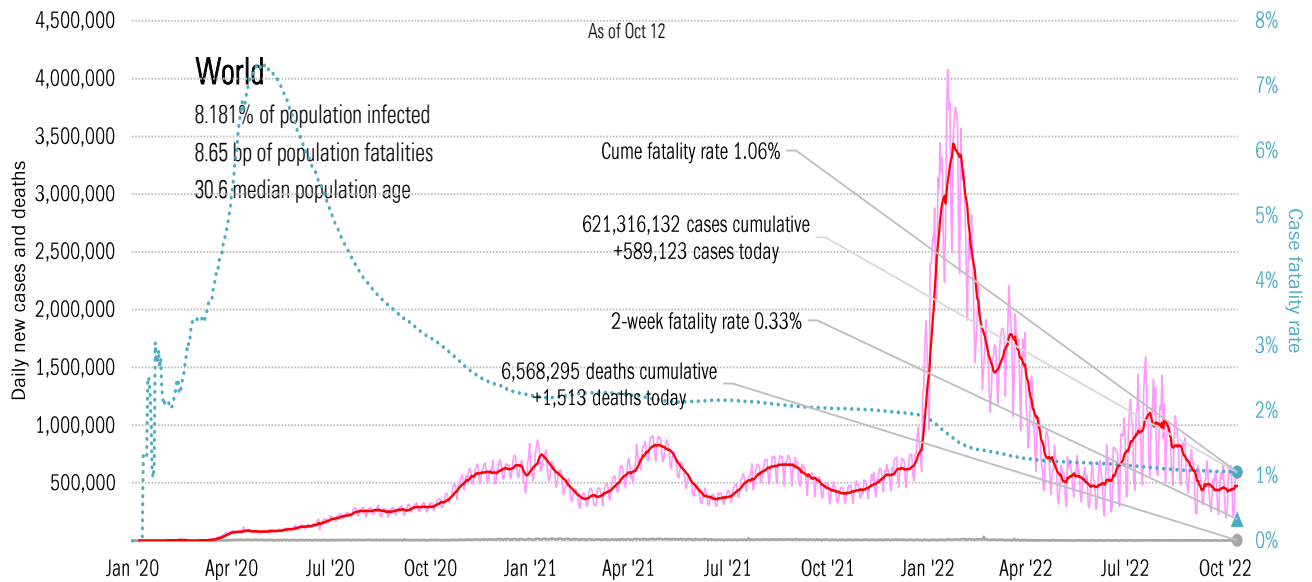
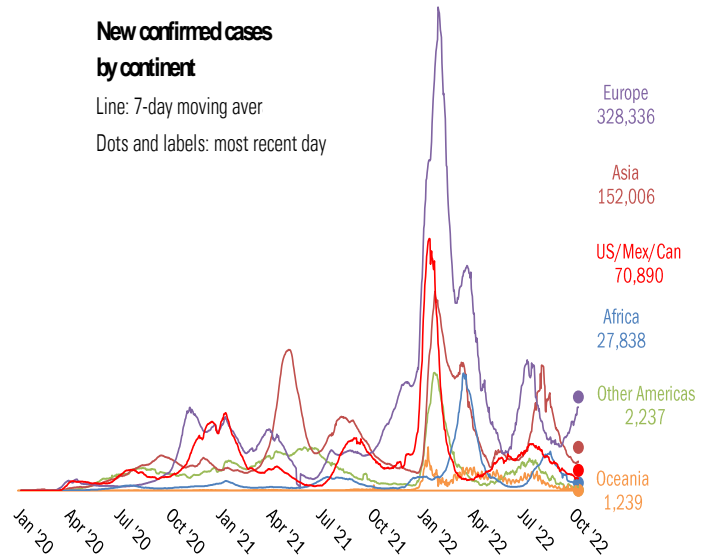
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	145,213	United States	543
France	67,948	Germany	176
Taiwan*	52,358	Hungary	104
Italy	47,754	Russia	102
Japan	45,505	Thailand	94
United States	45,408	Italy	69
Thailand	28,862	Canada	62
Korea, South	26,928	France	55
Austria	18,465	Japan	54
Russia	15,499	Taiwan*	37
493,940		1,296	
World	589,123	World	1,513
Top ten	84%	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

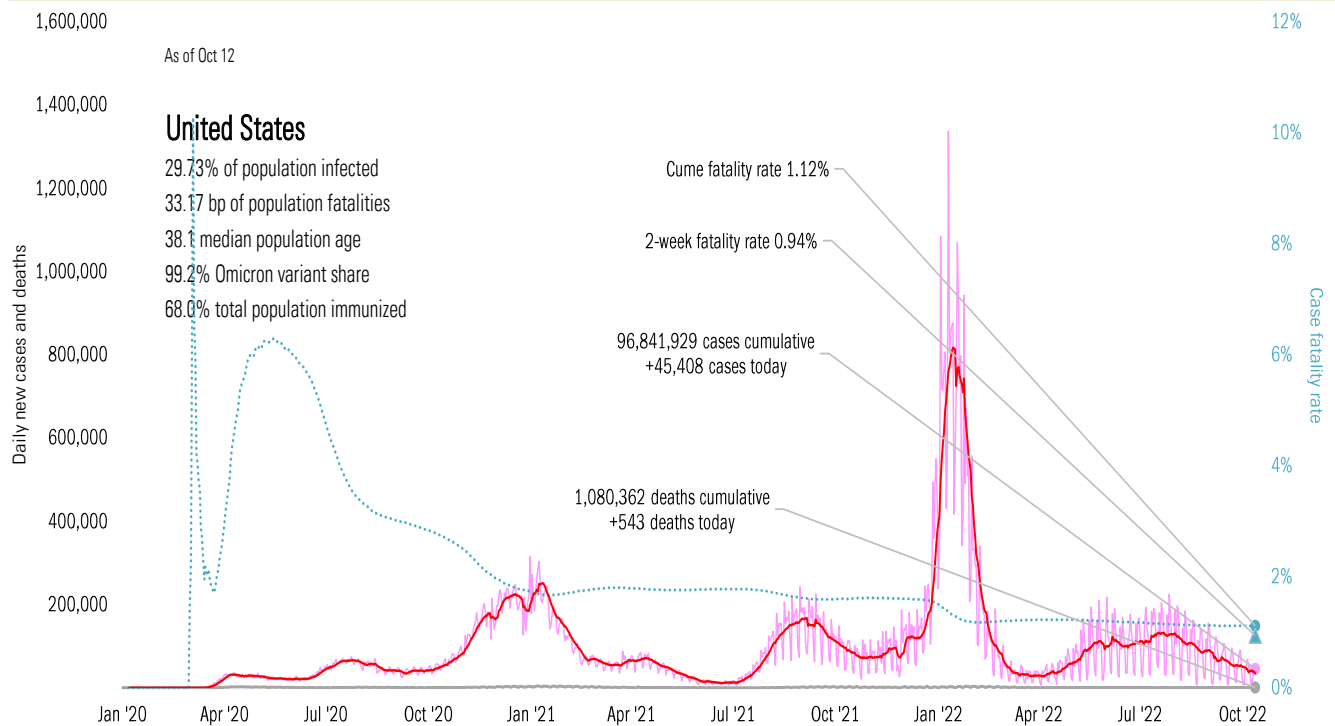
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
TX	4,000		NY	75		PA	223		CA	11,301,145		CA	96,279		TX	547,981		RI	88%	DC	84%
NY	3,790		IN	40		NJ	158		TX	8,019,459		TX	91,079		CA	503,051		MA	86%	MA	84%
FL	3,227		FL	39		CA	314		FL	7,176,114		FL	81,867		FL	495,770		MN	84%	AK	82%
KY	2,260		NC	33		OH	149		NY	6,170,338		NY	72,105		NY	303,717		GA	84%	NC	82%
MD	1,974		WA	30		MA	140		IL	3,779,983		PA	47,442		GA	226,541		WA	83%	TX	81%
NJ	1,901		CA	29		CO	33		PA	3,280,190		GA	40,448		CH	219,852		DE	83%	GA	81%
IL	1,812		TX	29		GA	87		NC	3,220,858		CH	39,950		PA	205,958		MO	83%	WA	80%
PA	1,803		MD	28		SC	39		CH	3,153,743		IL	39,802		IL	188,173		DC	83%	RI	80%
MI	1,793		MI	22		DC	13		GA	2,913,382		MI	38,919		MI	164,140		MI	81%	AL	80%
NC	1,432		PA	17		WY	10		MI	2,861,595		NJ	34,805		KY	145,664		NH	81%	MS	79%
23,992			342			1,166			51,876,807			582,696			3,000,847						
All states	45,408			543			3,411		All states	96,841,929			1,080,362			5,445,317		All states	70%		67%
Top ten	53%			63%			34%		Top ten	54%			55%			55%		Median	76%		73%

Some states not reporting

Five most improved US states

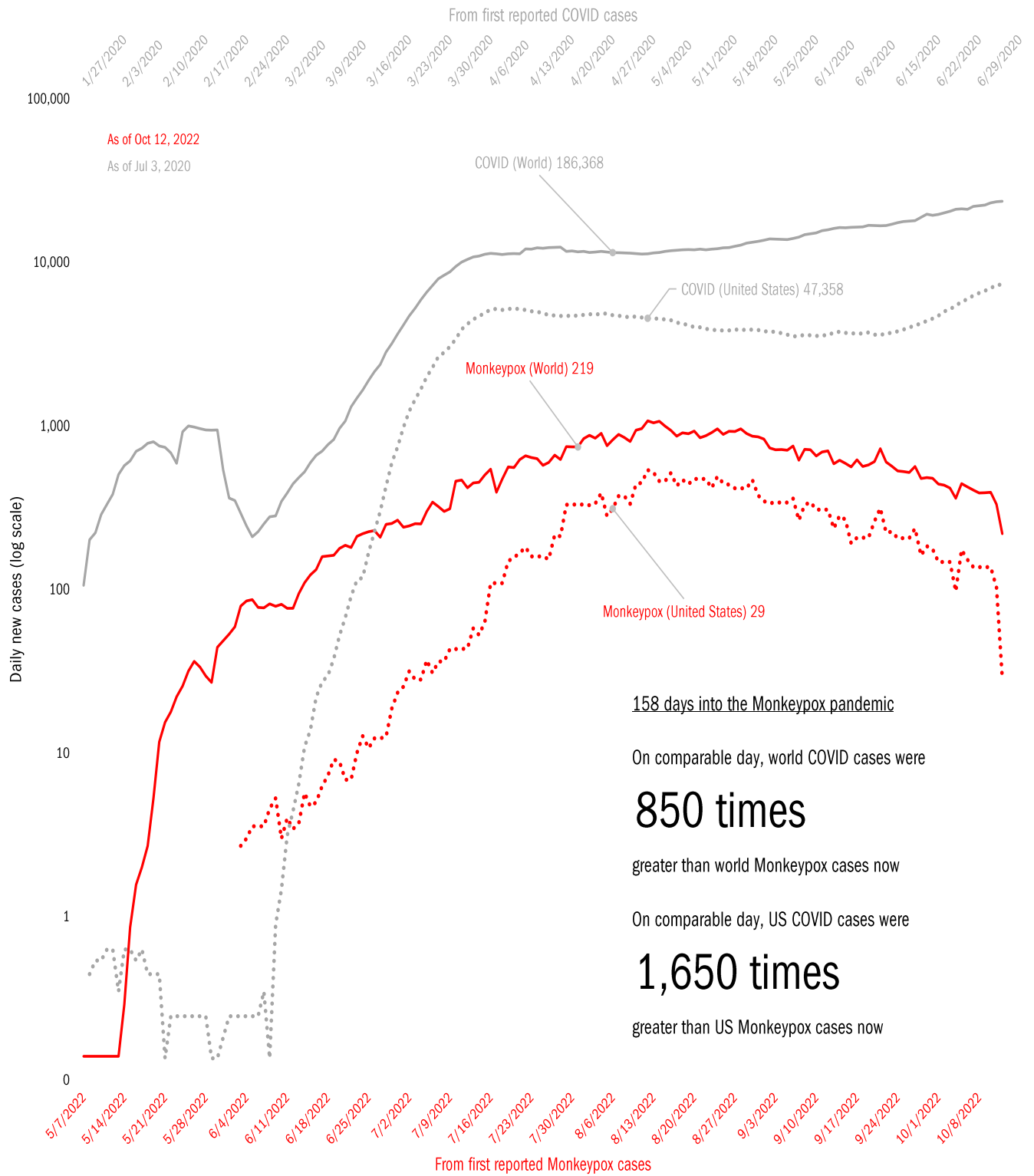
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,822	TN	-63	IL	-58
CA	-1,960	MO	-17	CT	-35
DE	-551	NC	-14	NC	-28
NM	-543	WI	-10	WI	-28
WV	-468	AR	-7	MI	-27



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

The Monkeypox contextualizer

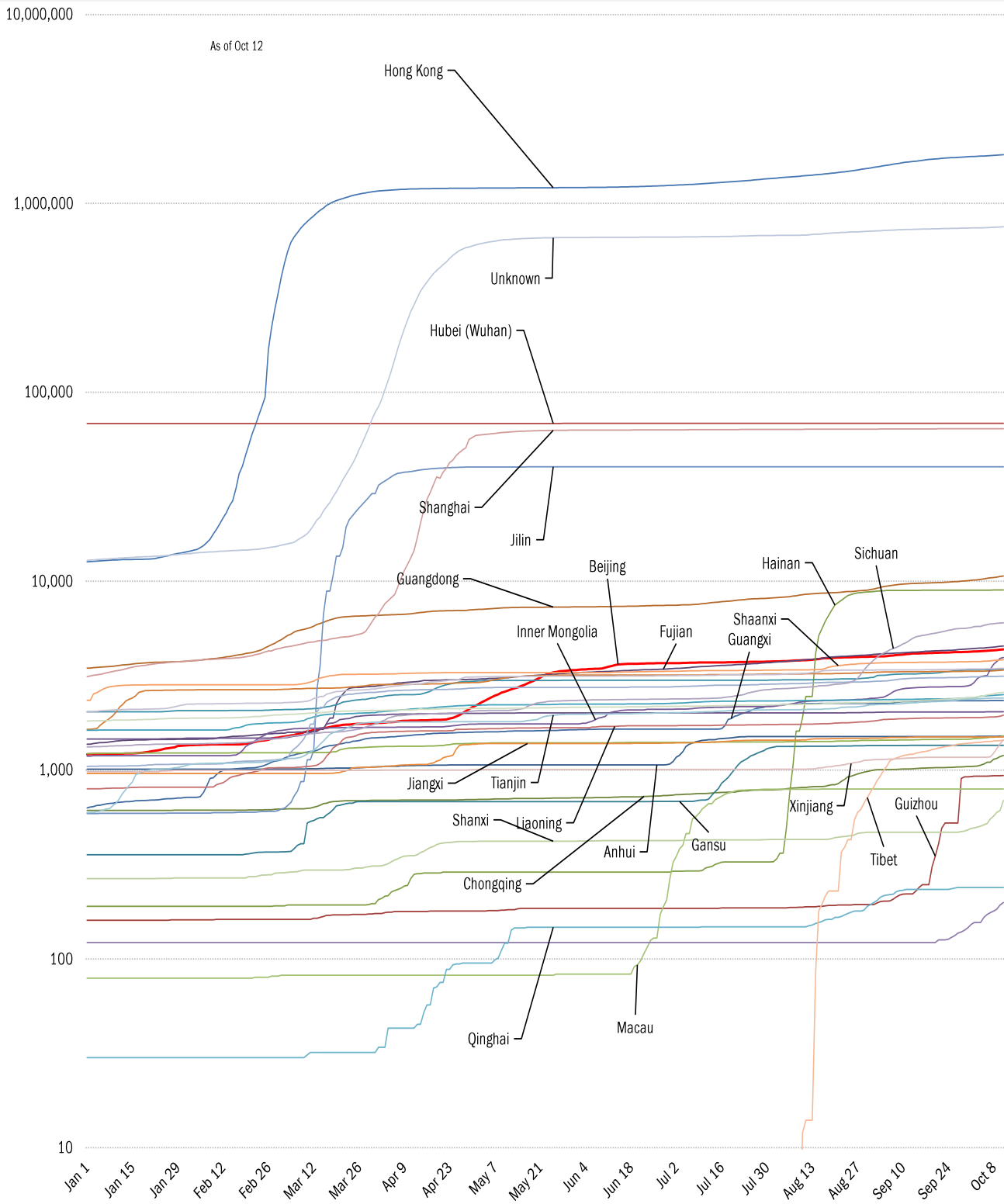
The course of case growth versus COVID



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"

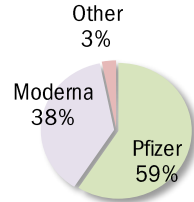


Source: [Johns Hopkins](#), TrendMacro calculations

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

Best
Middle
Worst

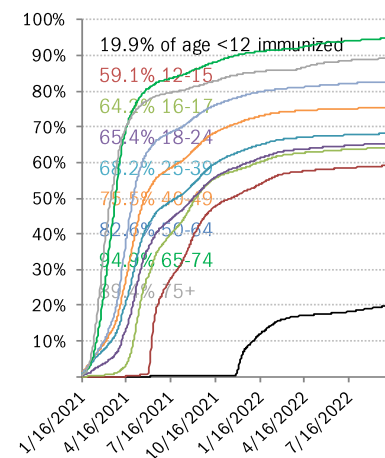
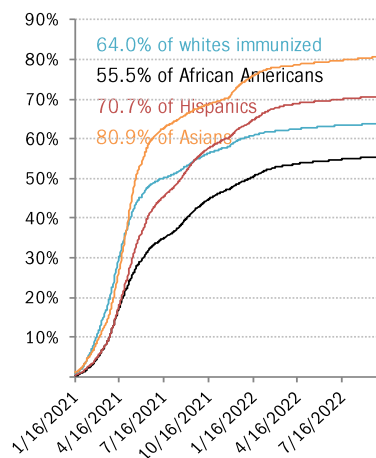
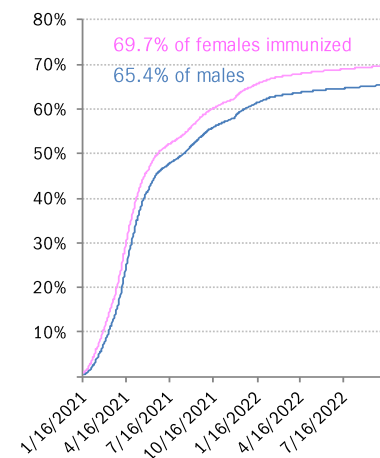
"Immunity" = two doses

Global data differs due to sources, timing

As of Oct 7

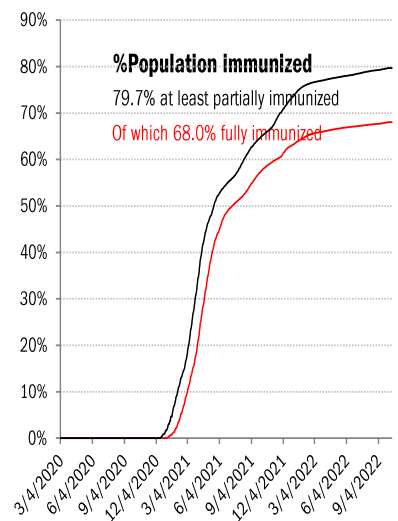
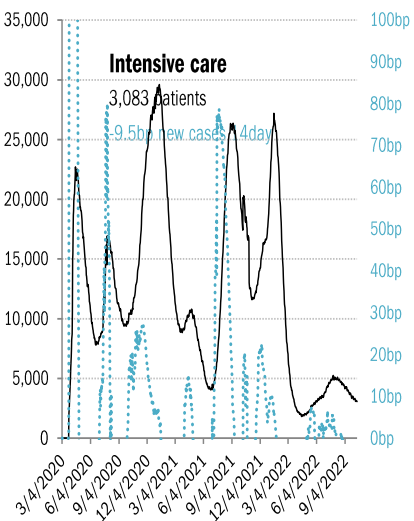
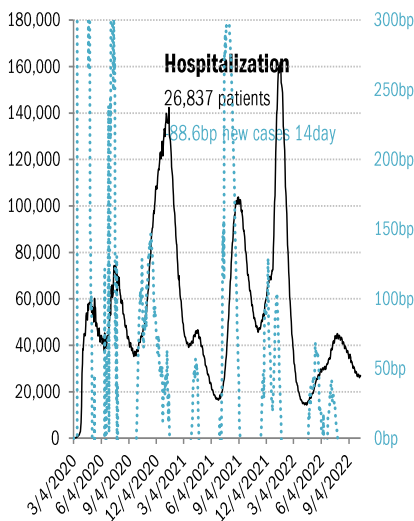
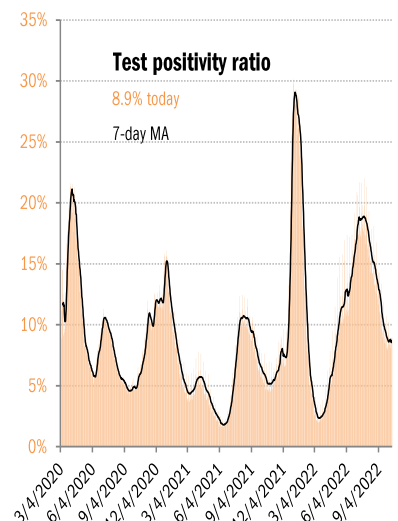
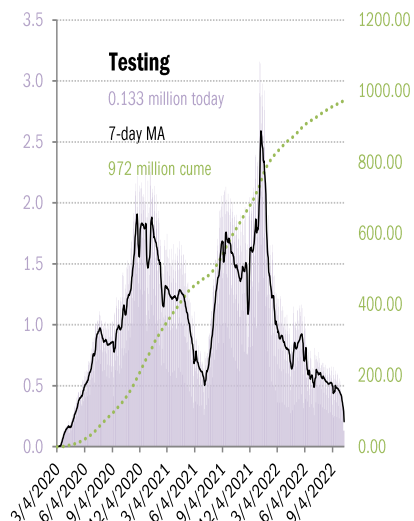
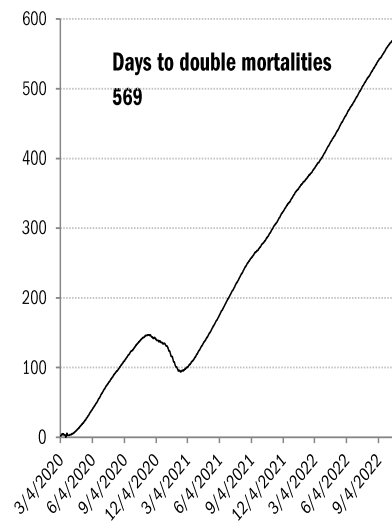
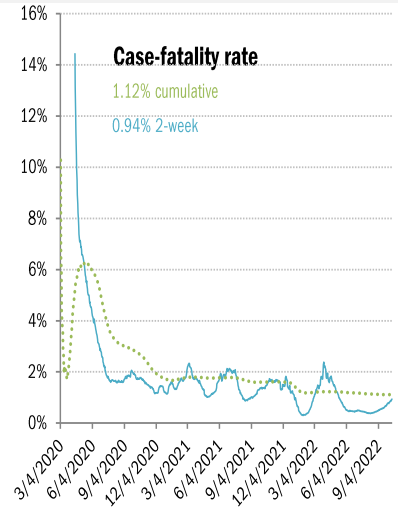
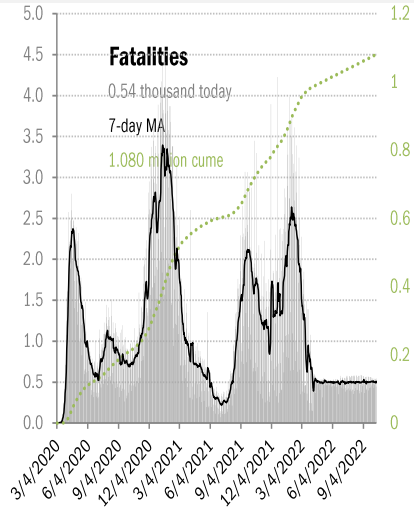
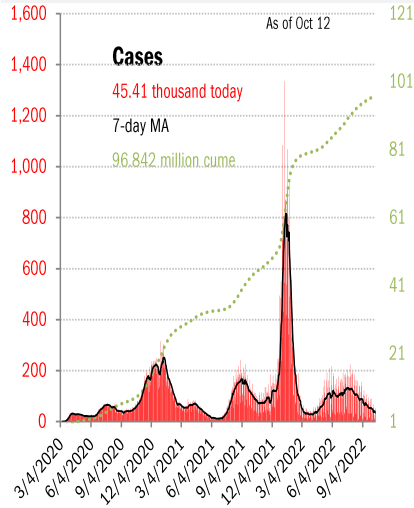
					WI						ME
					73.6%						93.8%
					67.0%						81.8%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.4%	62.8%	66.9%	67.6%	77.3%	77.9%	68.5%			92.6%	95.0%	84.4%
74.5%	55.5%	58.2%	57.2%	70.8%	70.2%	61.4%			79.1%	83.5%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
79.9%	77.4%	59.6%	80.4%	69.5%	63.4%	64.8%	88.1%		93.0%	95.0%	
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

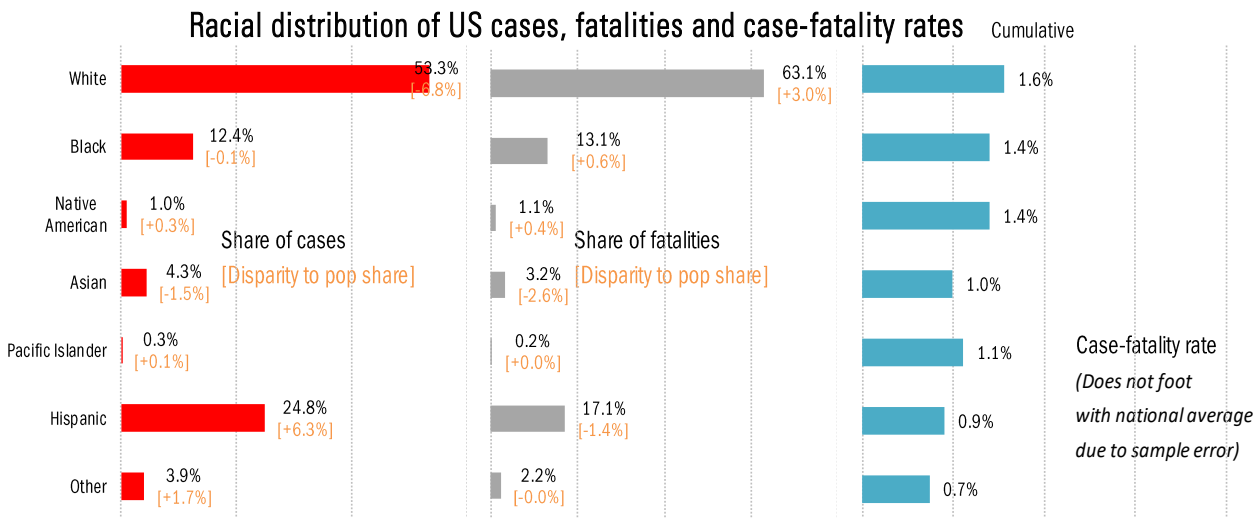
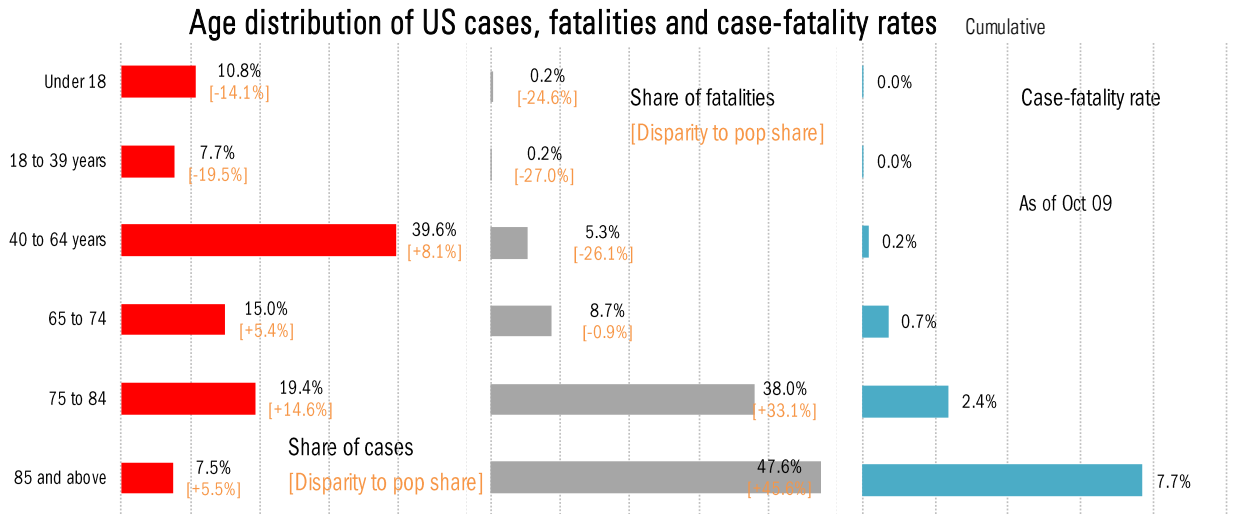


Source: CDC, CDC, Our World in Data, TrendMacro calculations

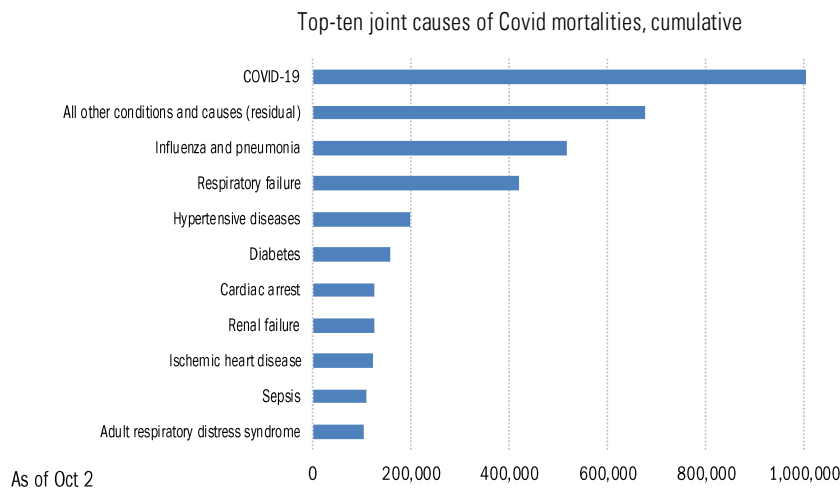
US deep-dive



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



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

[Treasury Department probing DeSantis possible misuse of COVID aid for migrant flights](#)

Rachel Looker
USA Today
October 12, 2022

['We are in trouble': Study raises alarm about impacts of long covid](#)

Frances Stead Sellers
Washington Post
October 12, 2022

[Outcomes among confirmed cases and a matched comparison group in the Long-COVID in Scotland study](#)

Claire E. Hastie
Nature
October 12, 2022

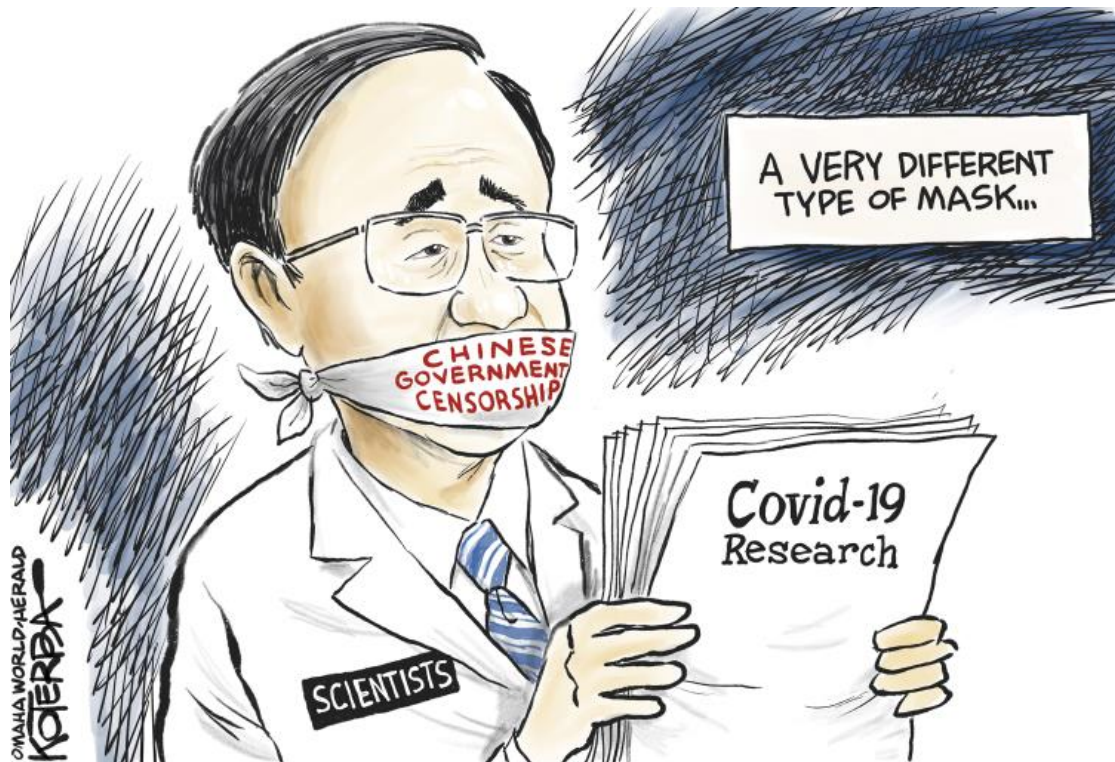
[Behind every great fortune...](#)

Alex Berenson
Unreported Truths
October 12, 2022

[Europe likely entering another COVID wave, says WHO and ECDC](#)

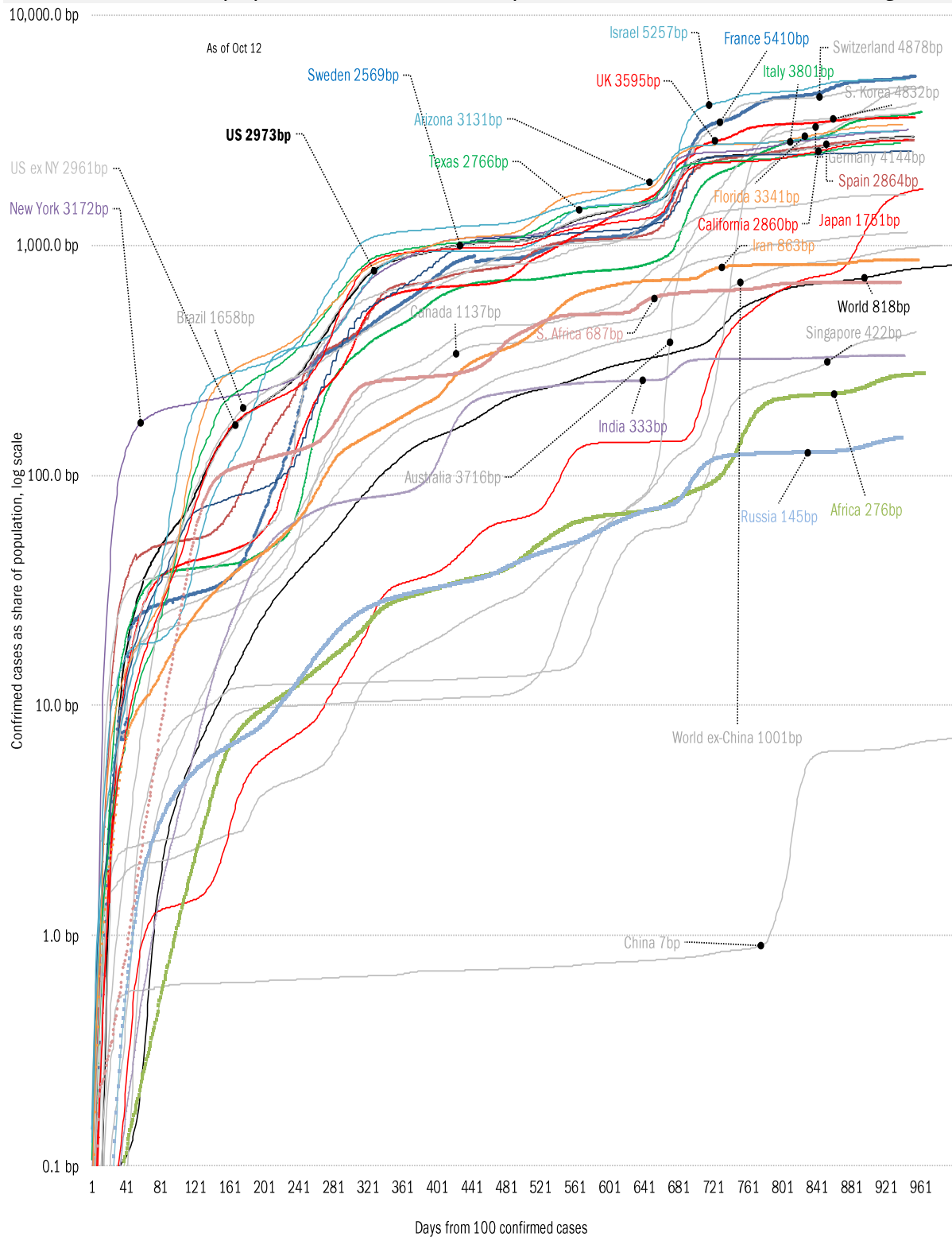
Reuters
October 12, 2022

Meme of the day



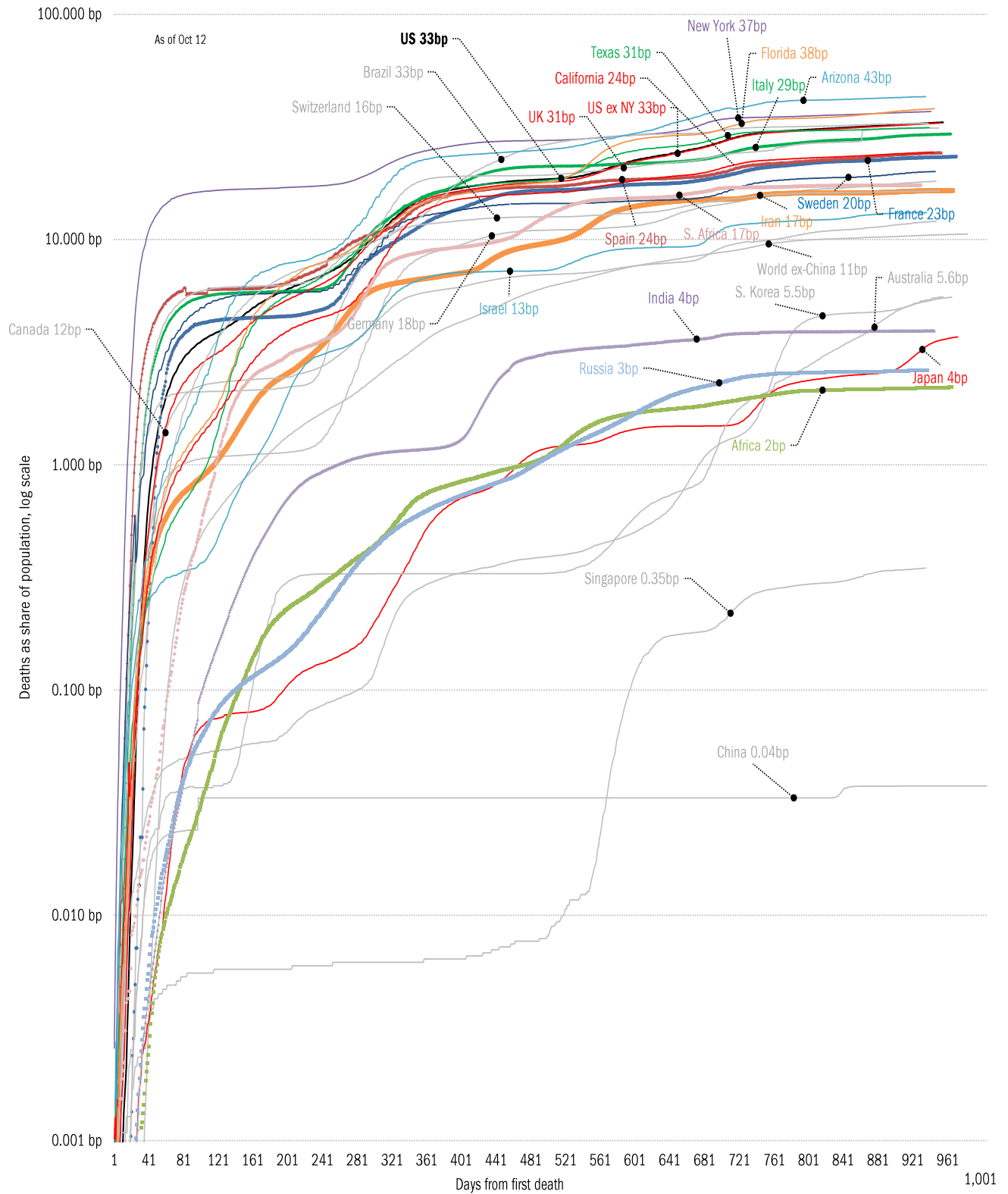
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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



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

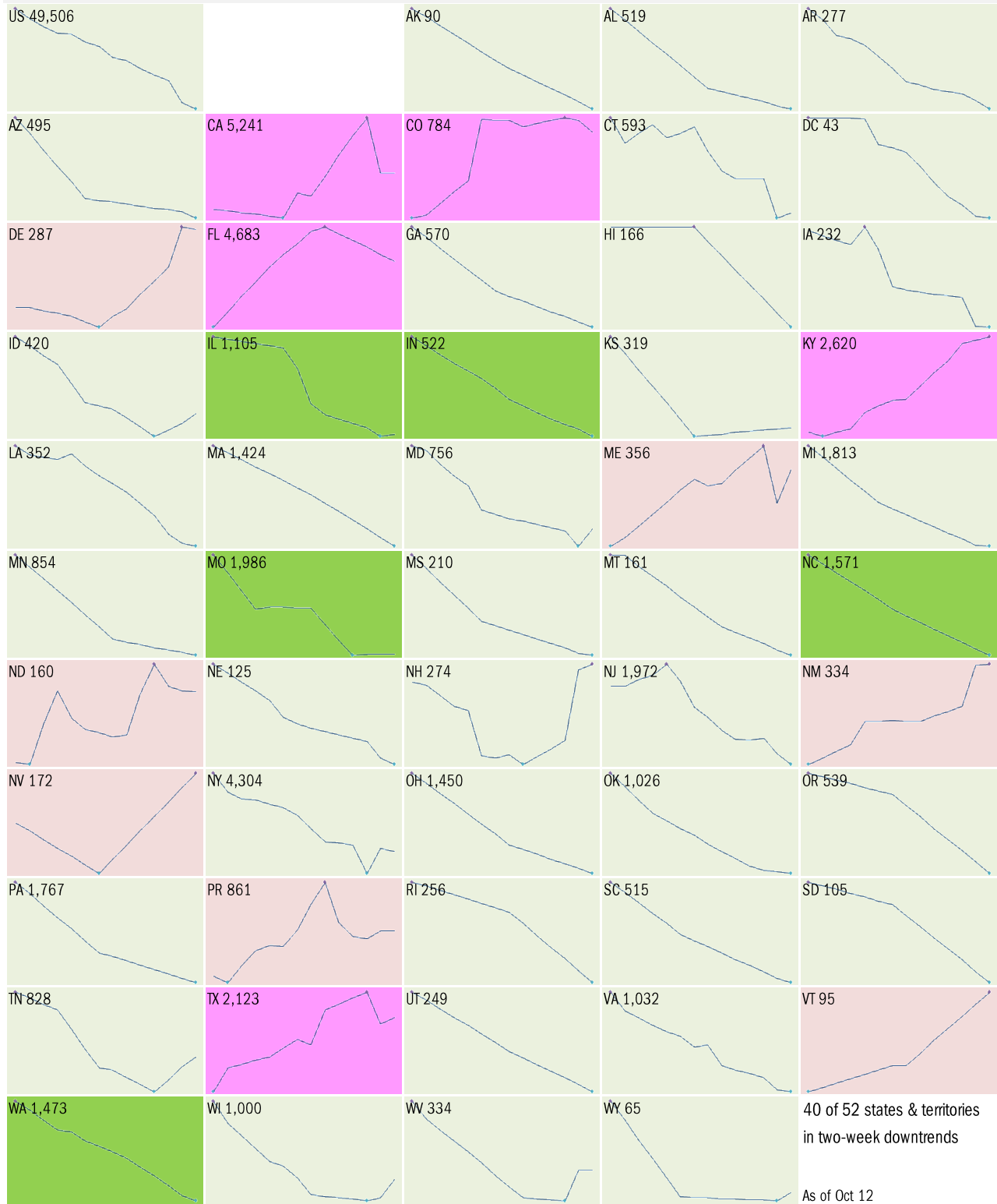


Source: [Johns Hopkins](#), TrendMacro calculations

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

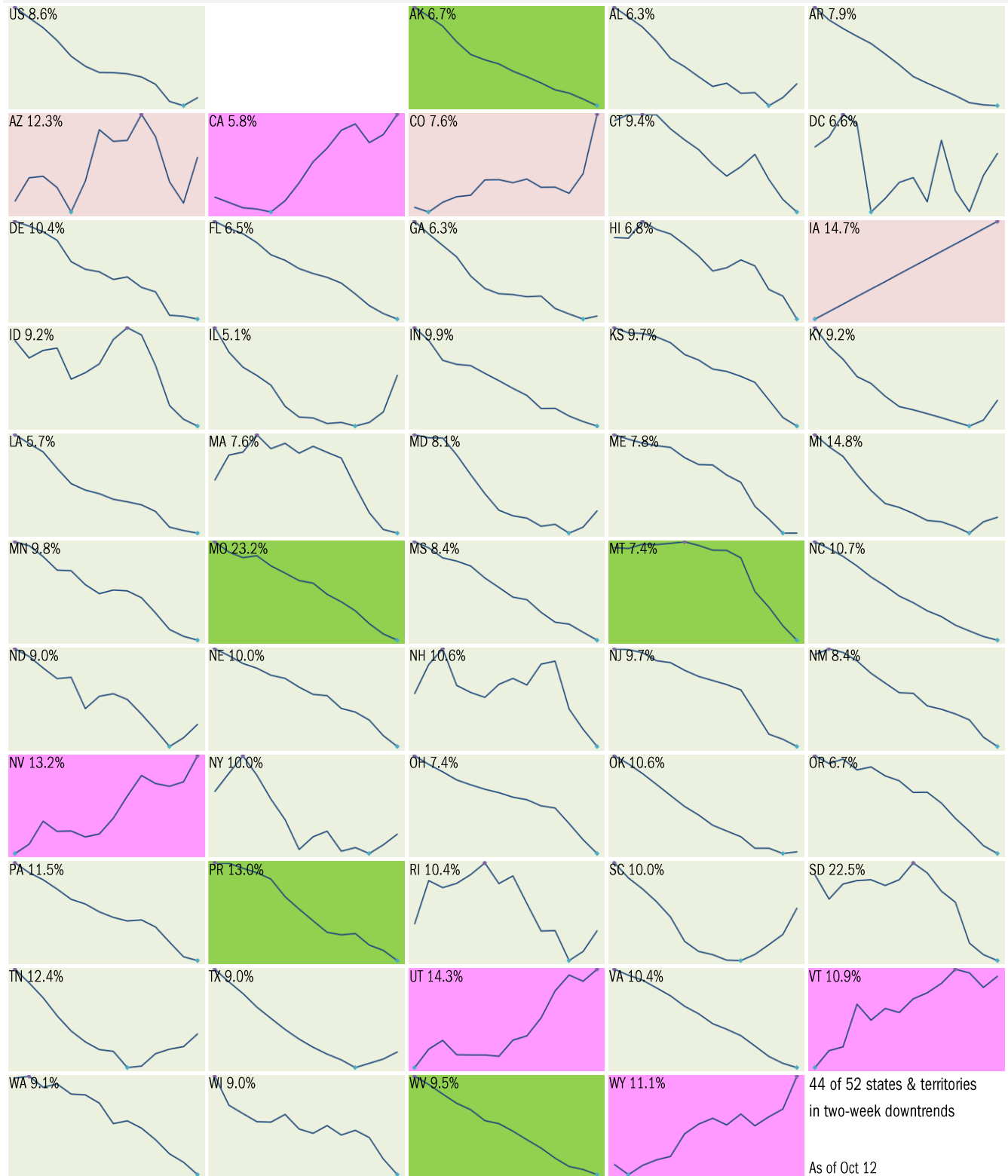


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

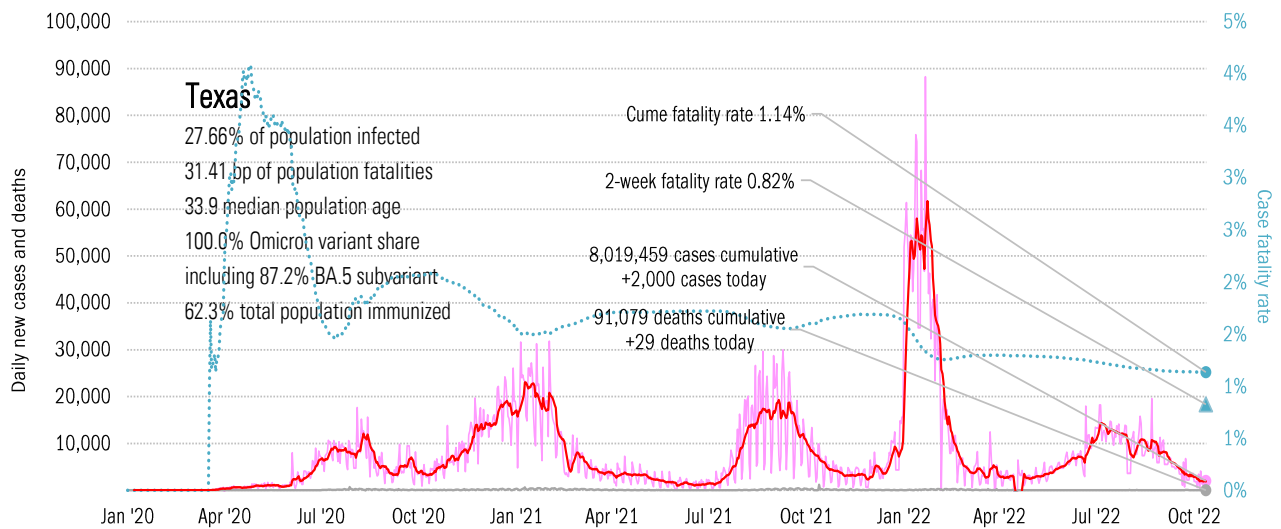
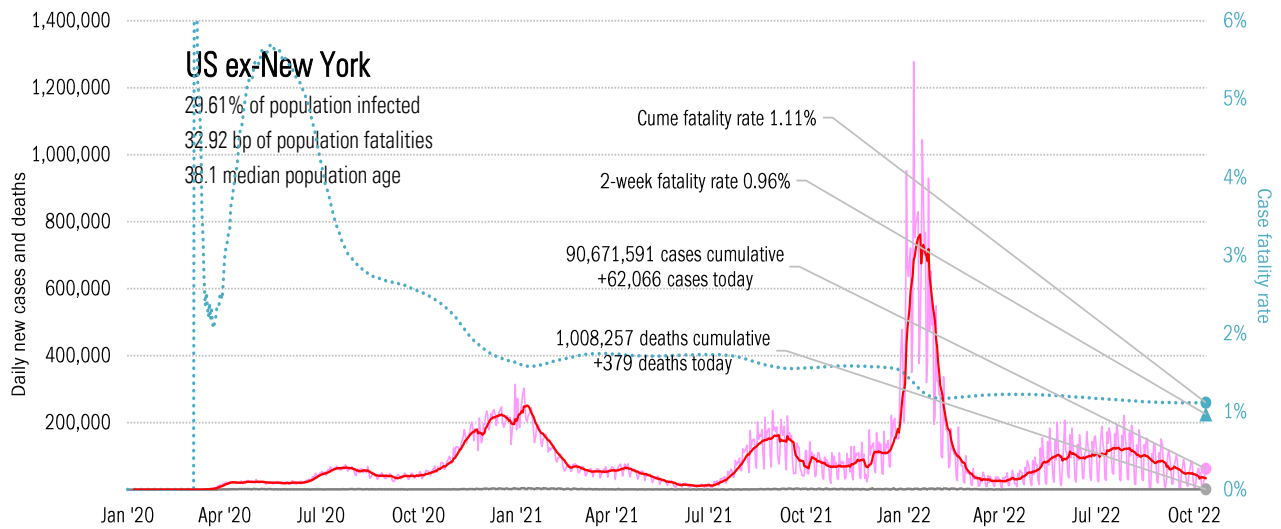
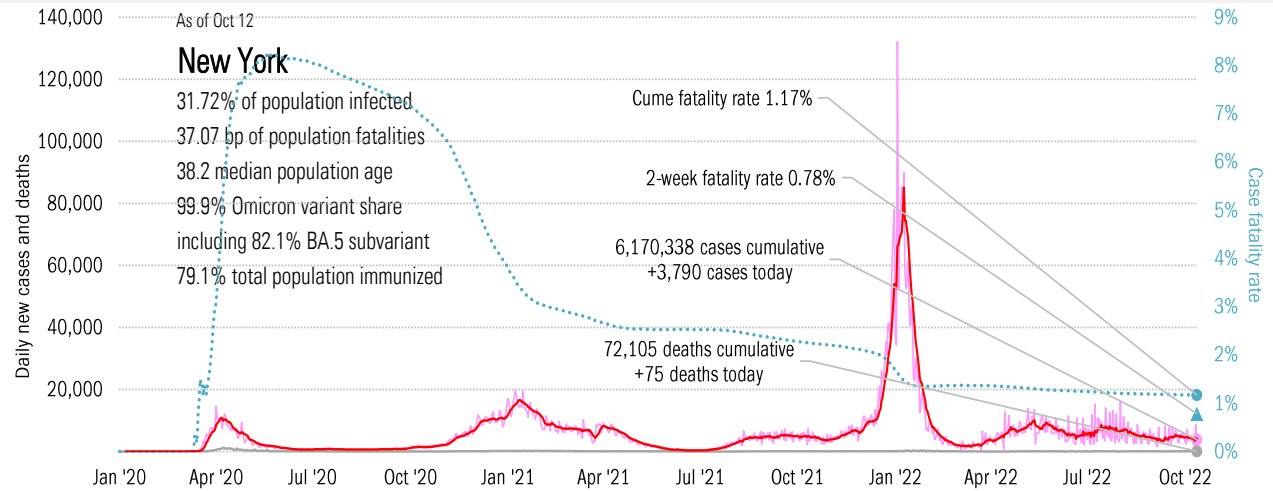
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

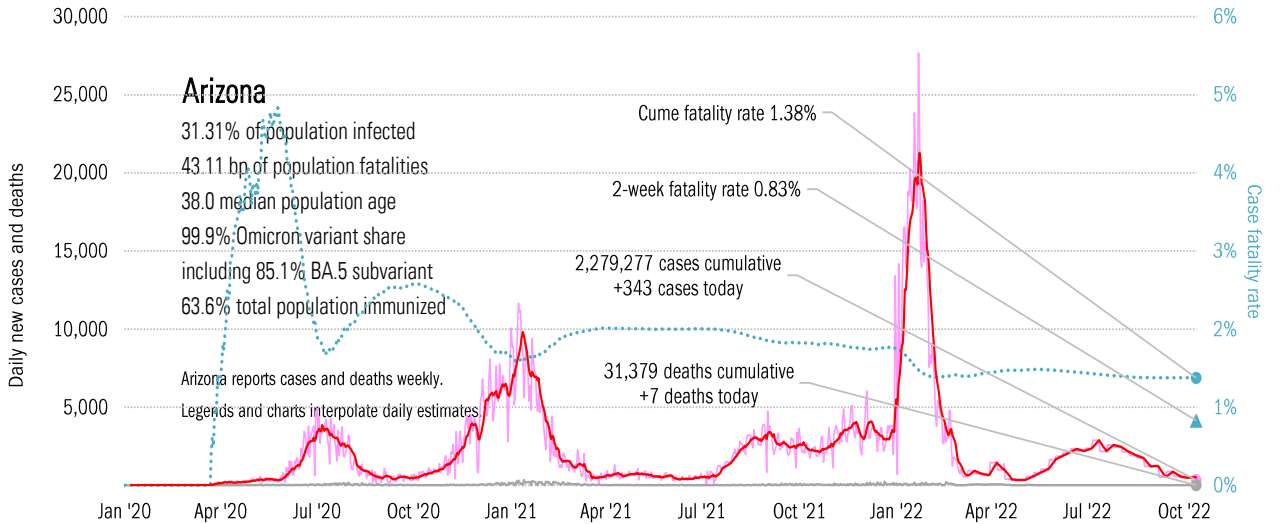
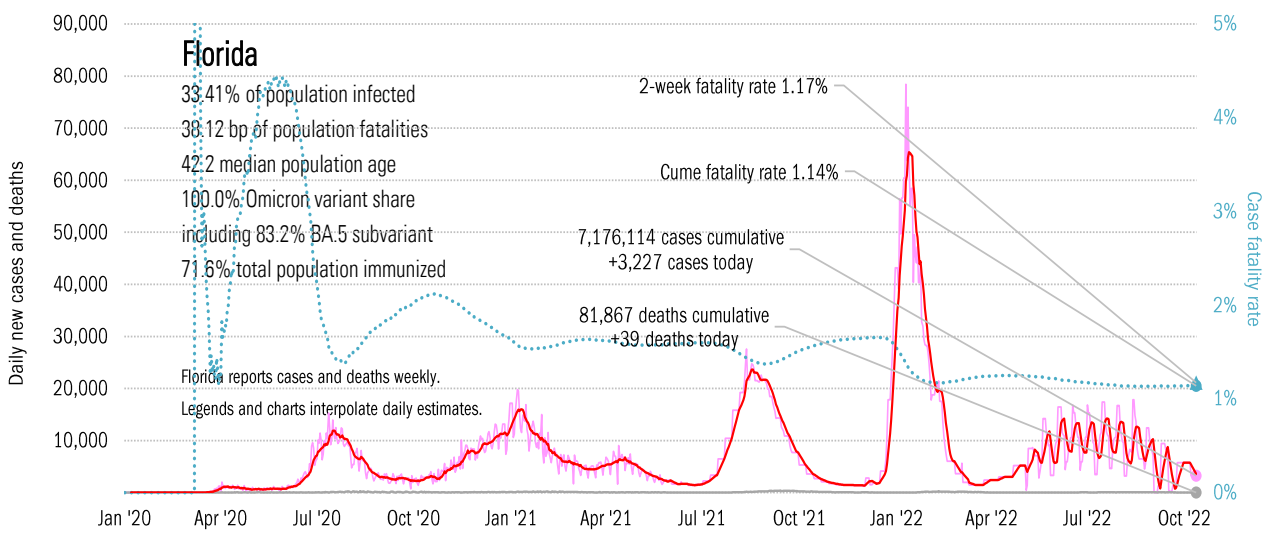
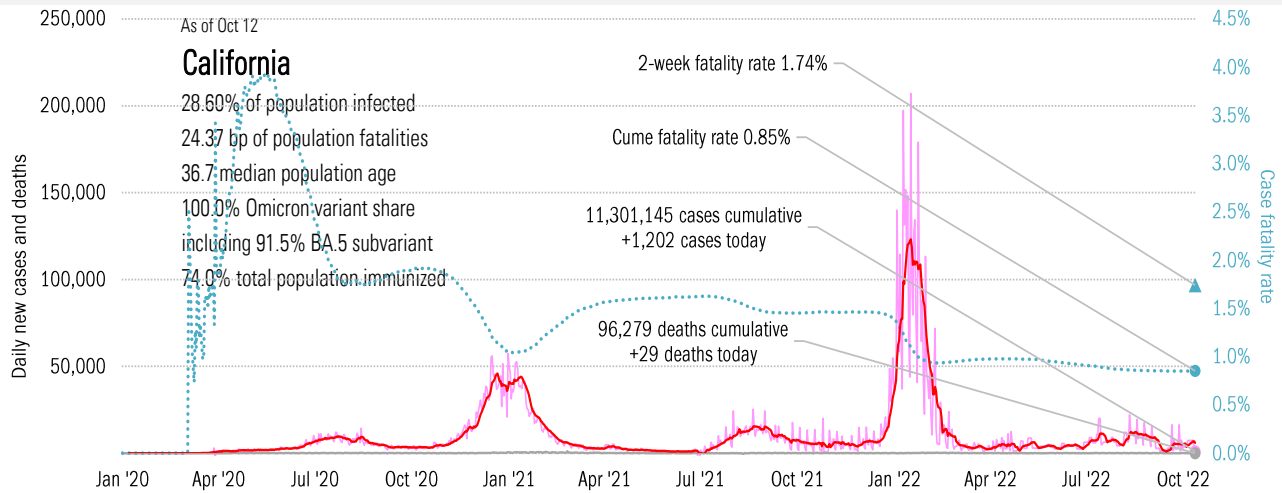
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

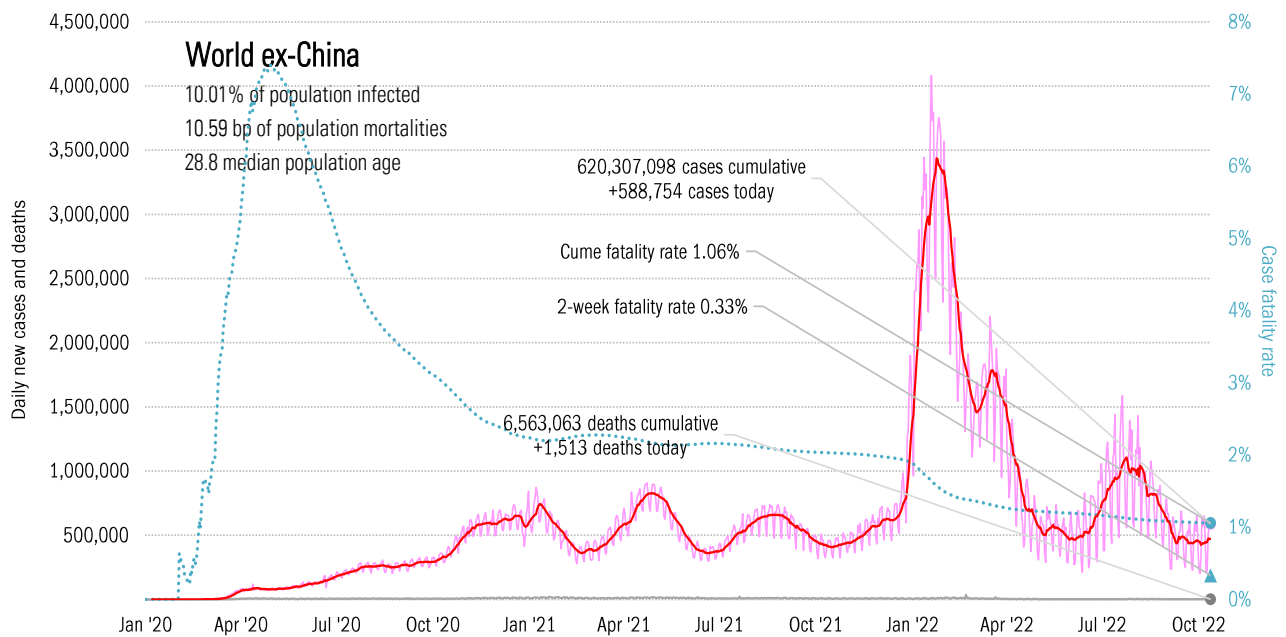
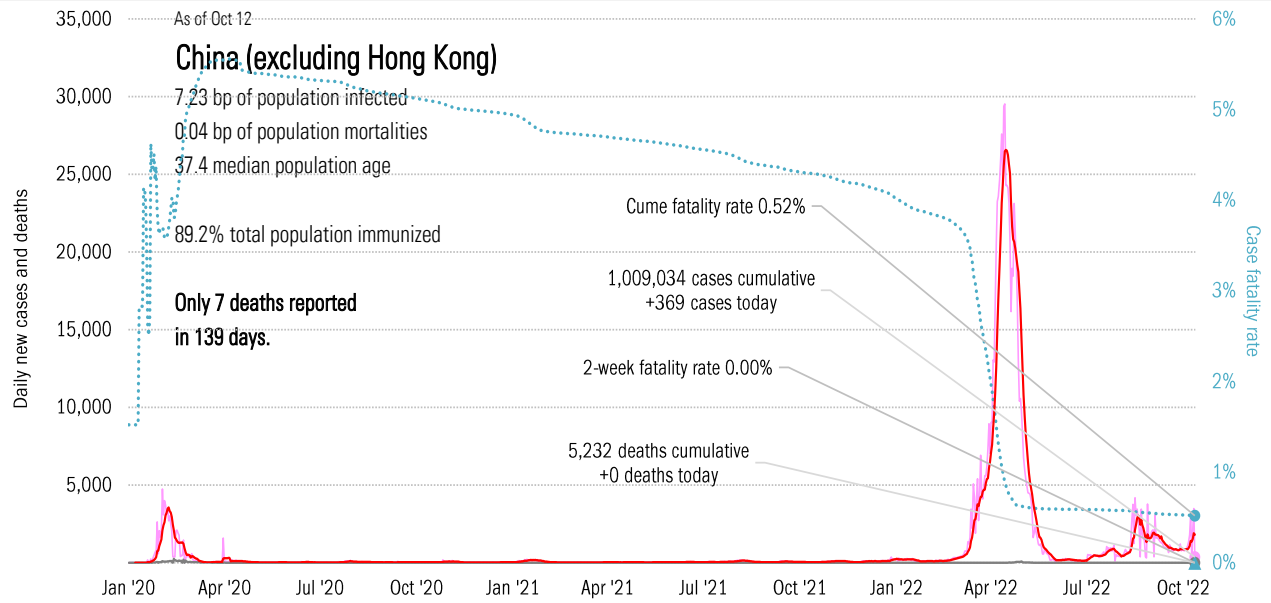
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

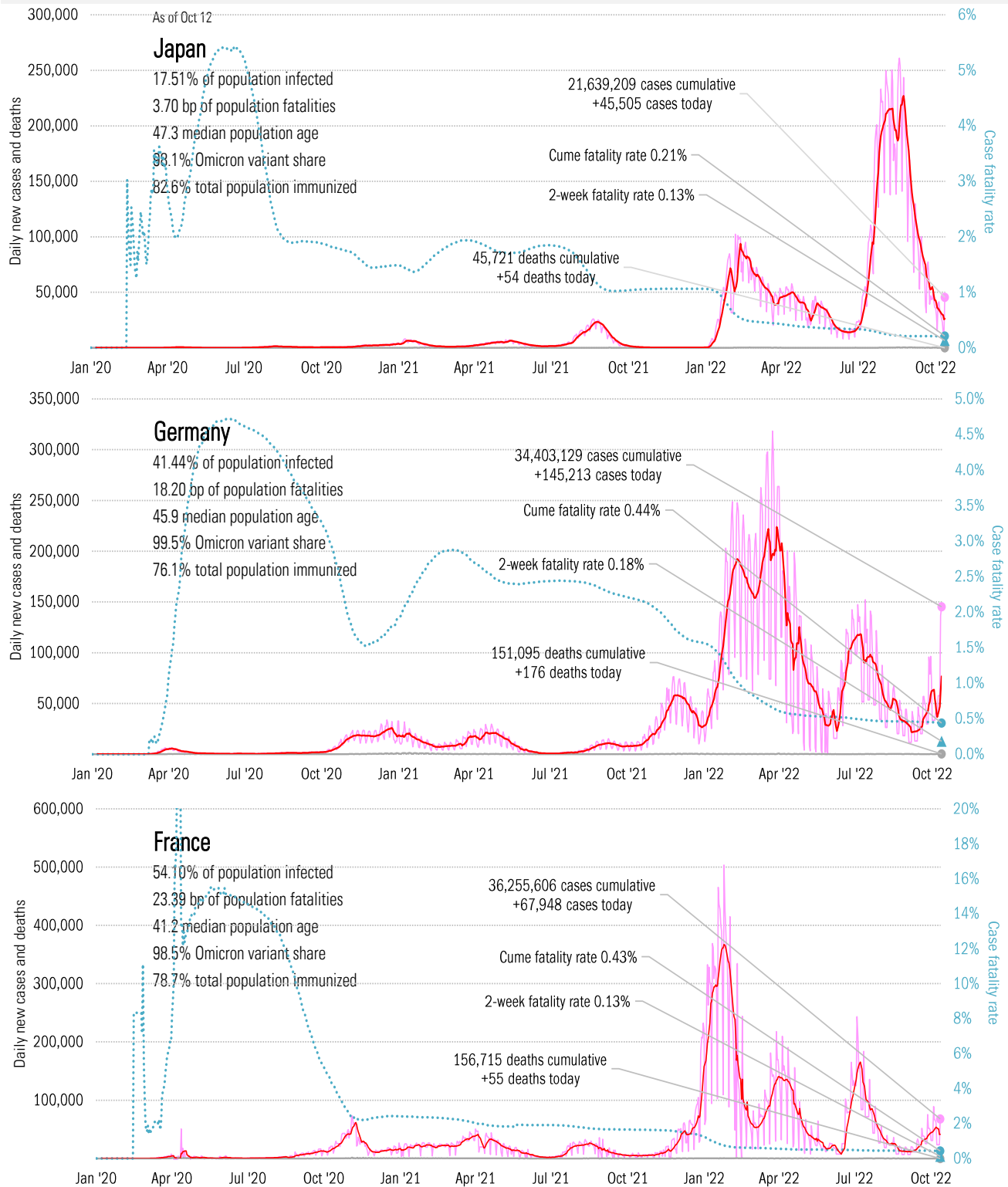
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

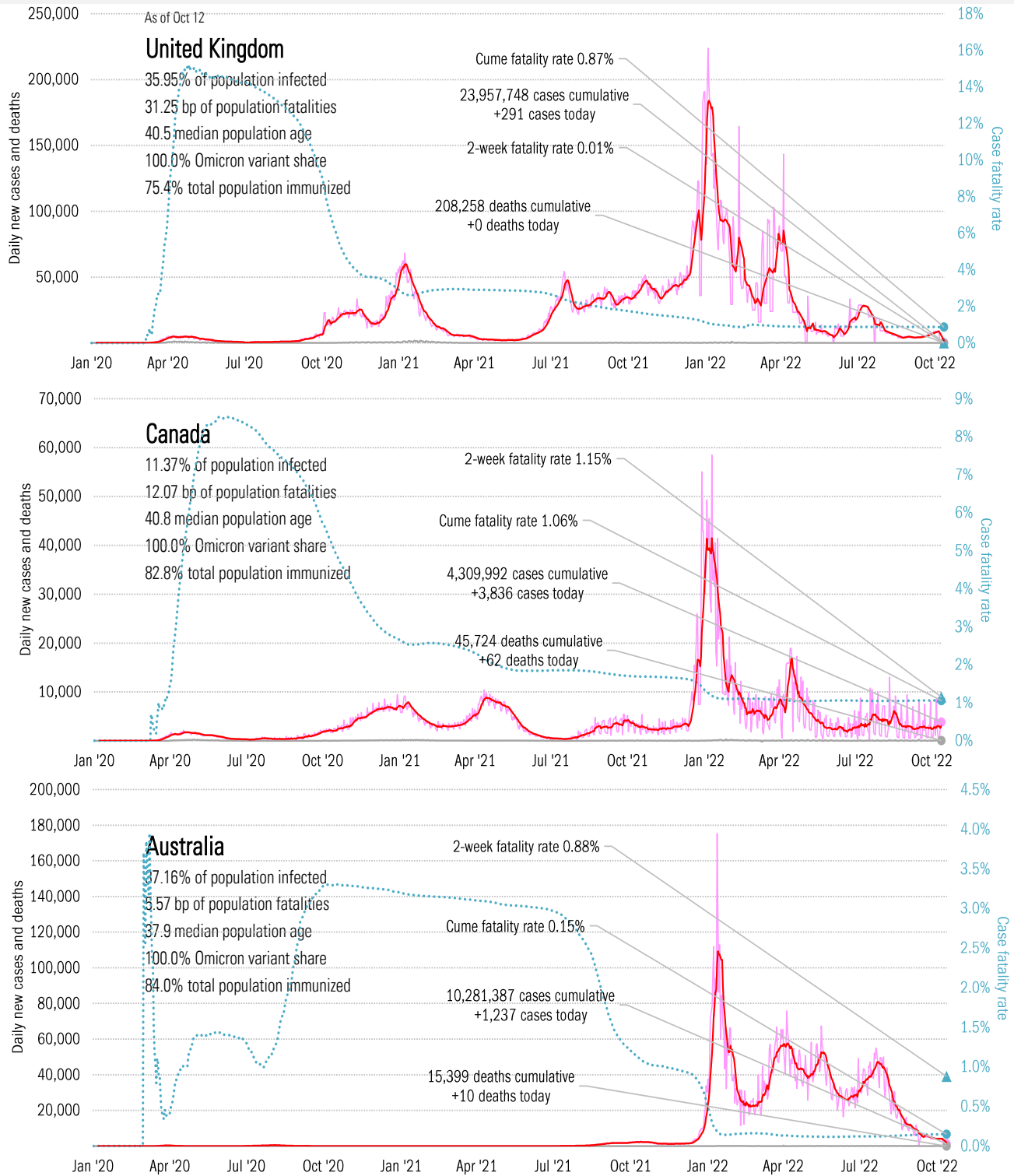
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

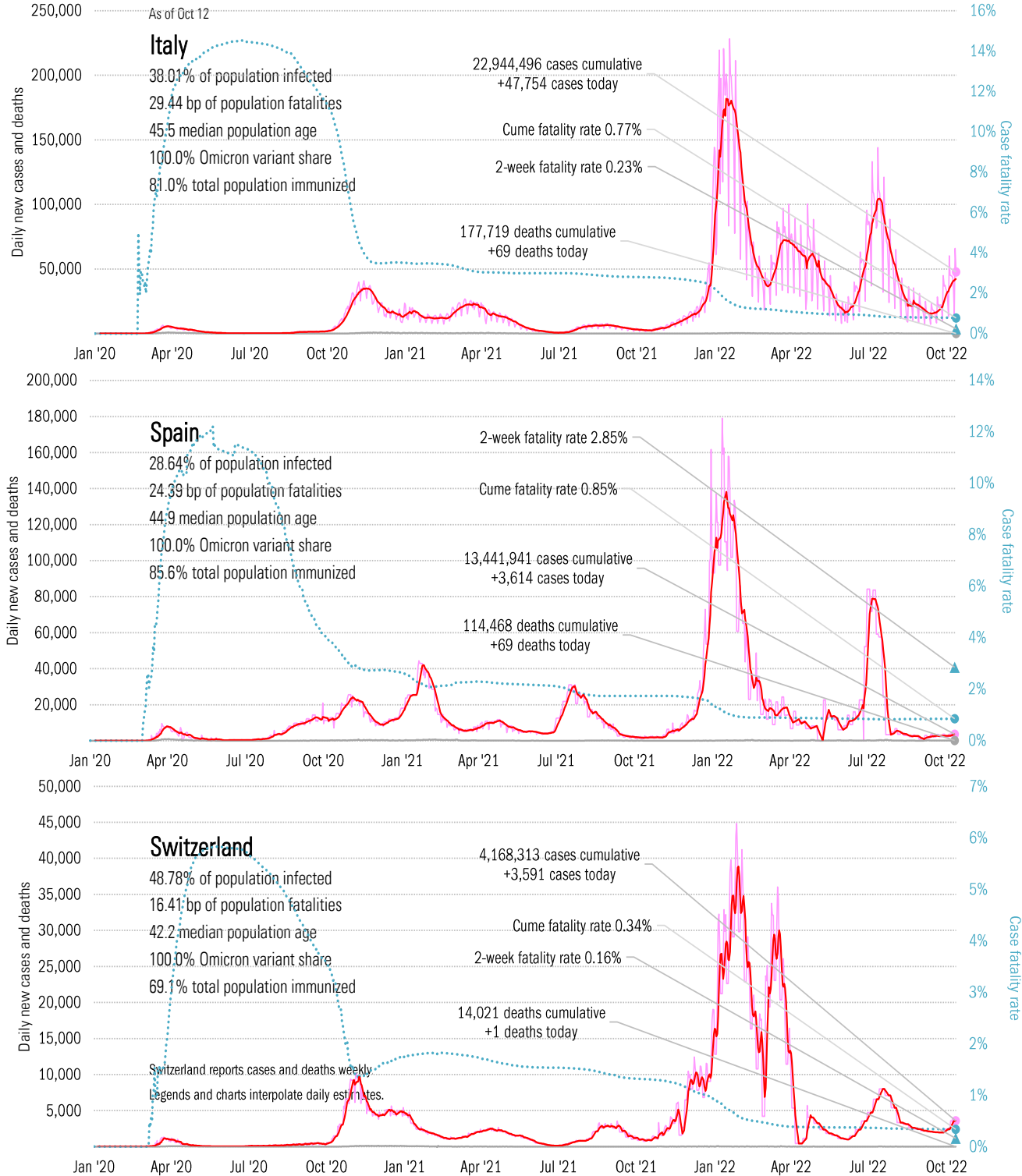
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

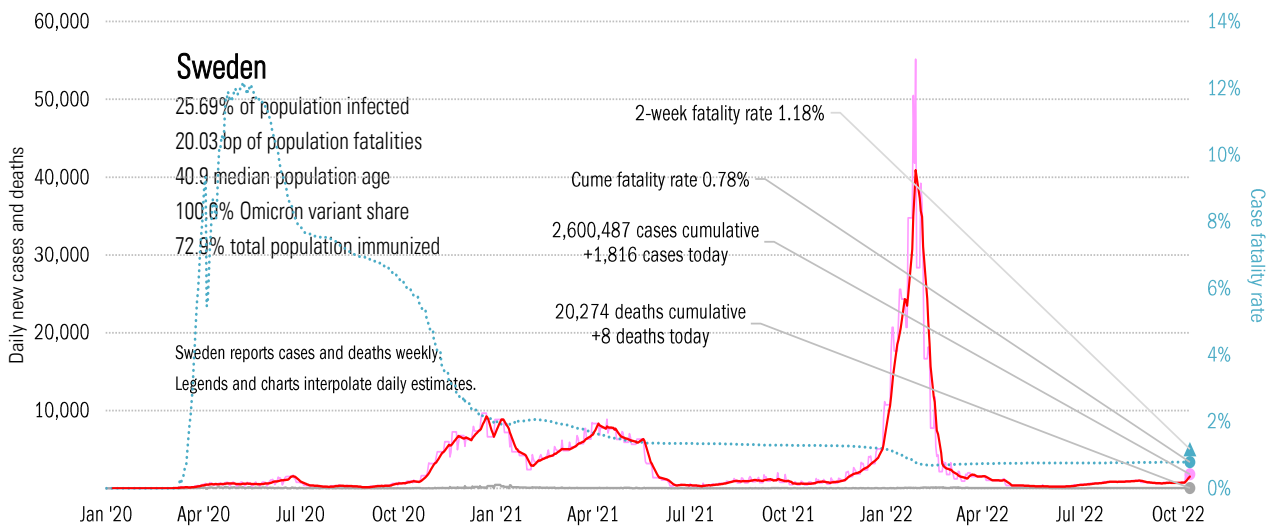
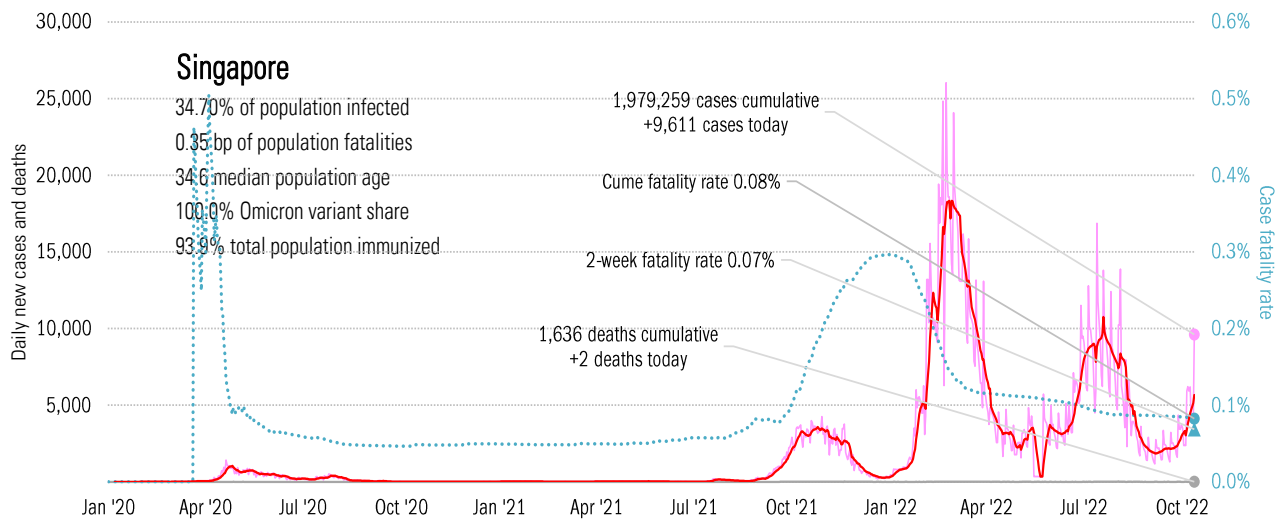
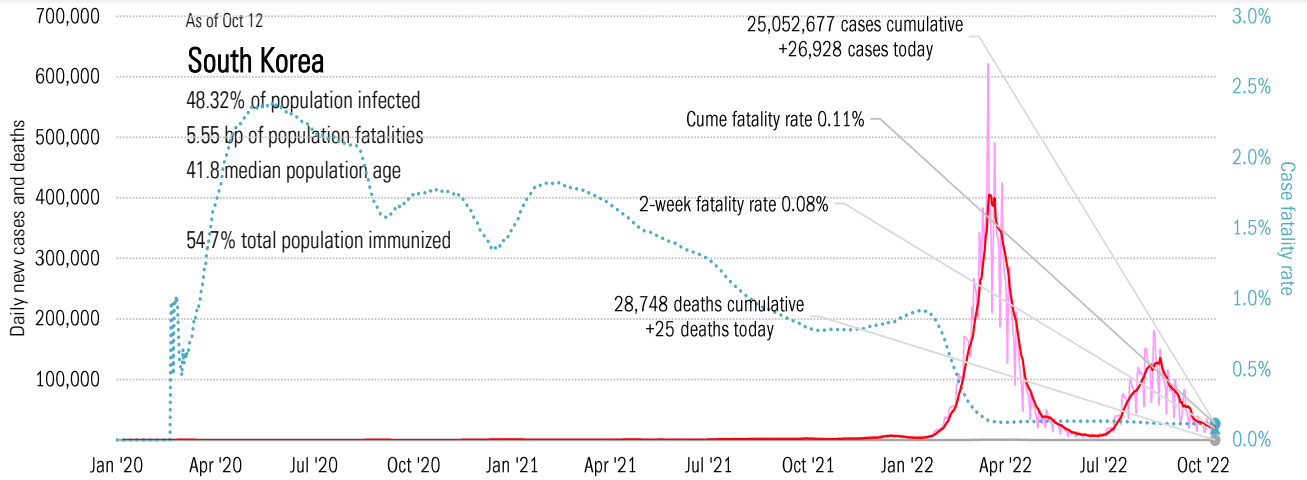
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

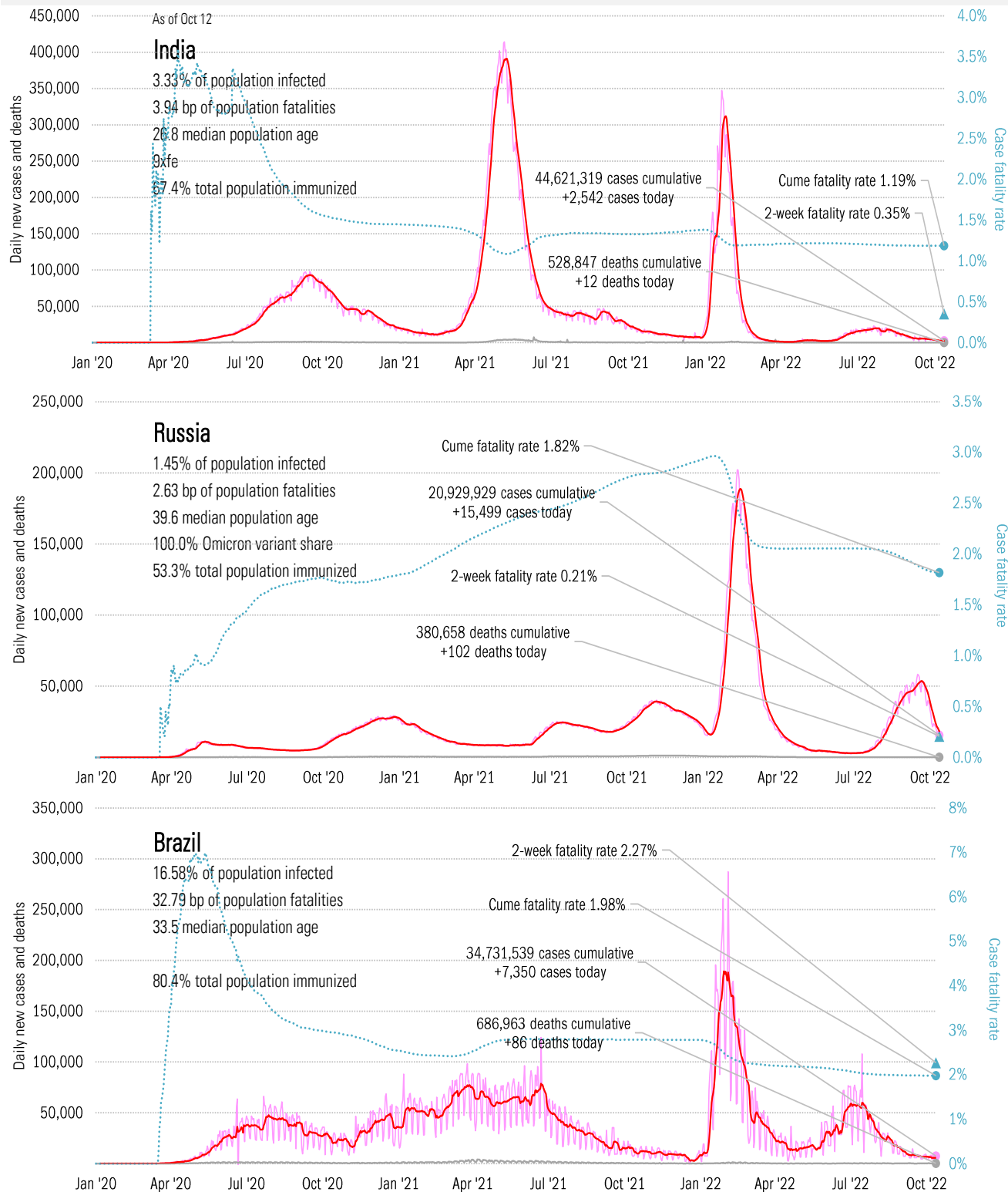
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

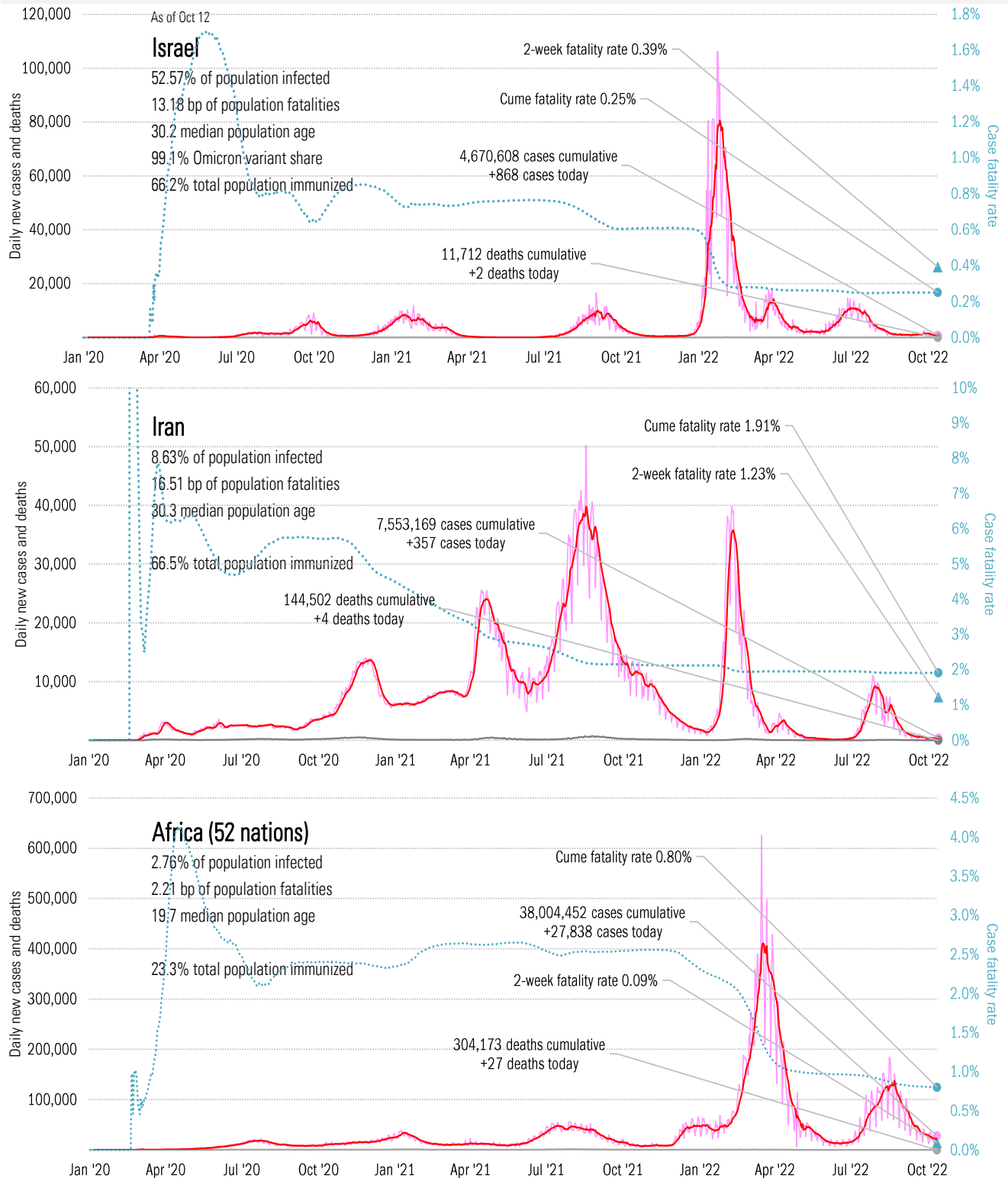
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

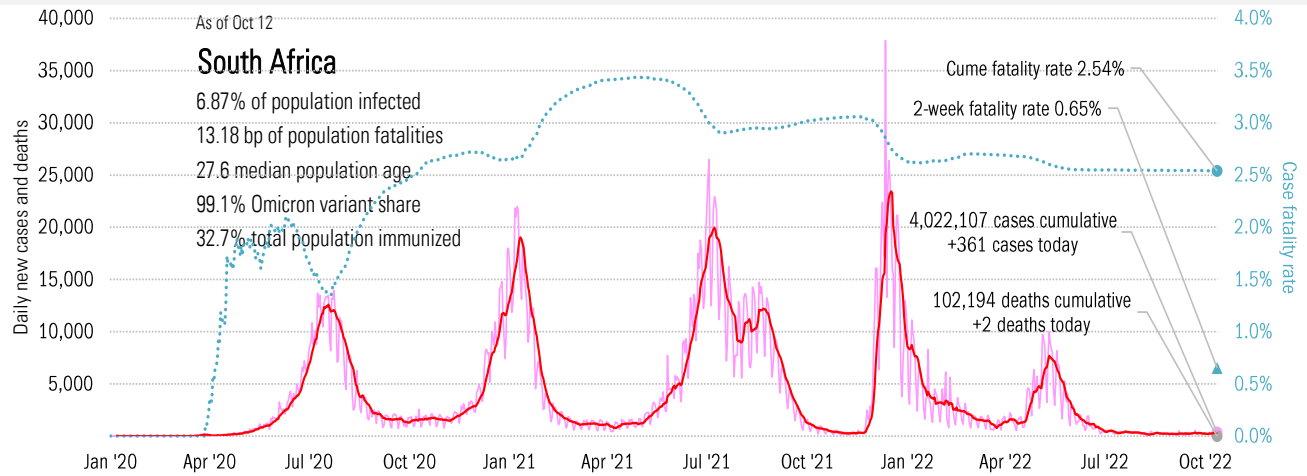
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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