

Data Insights: Covid-2019 Monitor

Sunday, November 13, 2022

The global scorecard

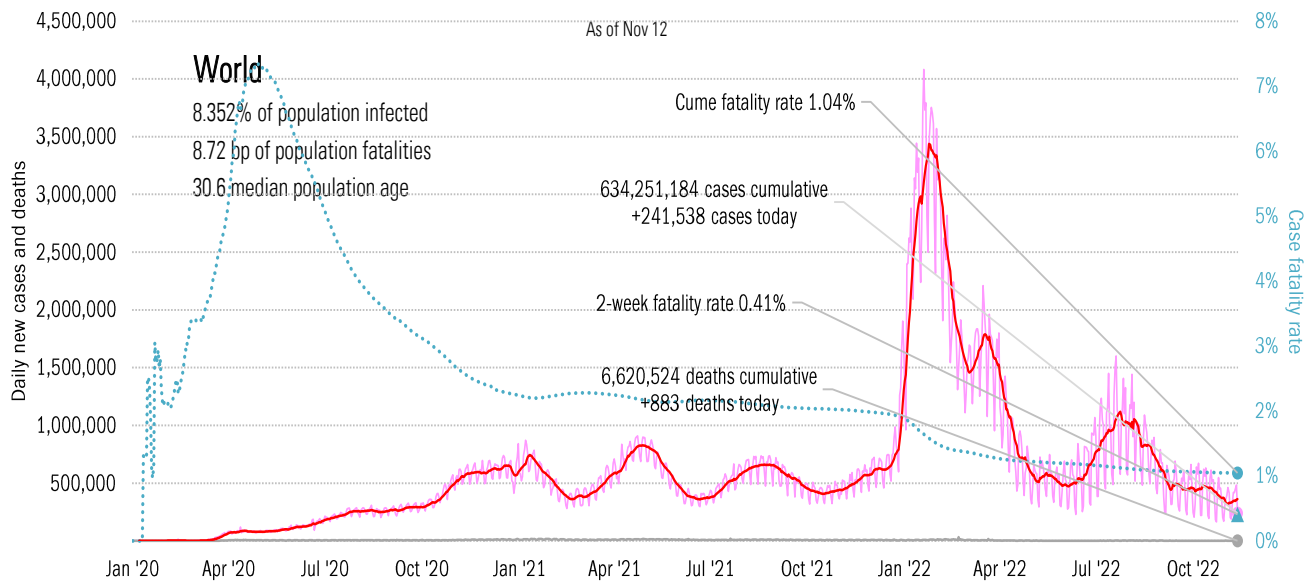
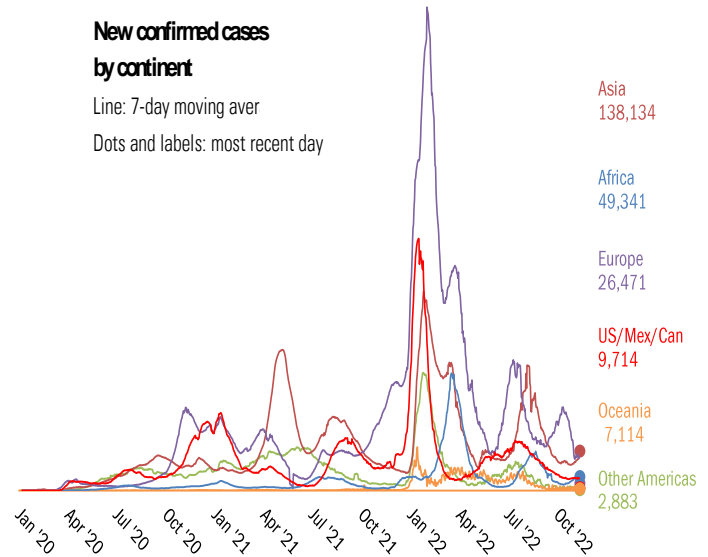
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	79,486	United States	331
Korea, South	48,465	Japan	95
United States	35,523	Russia	61
China	24,261	Taiwan*	60
Taiwan*	19,208	Korea, South	48
Spain	7,723	Indonesia	33
Australia	7,114	Chile	30
Chile	6,604	Philippines	27
Indonesia	6,179	Portugal	20
Russia	5,448	Cyprus	10
240,011		715	

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

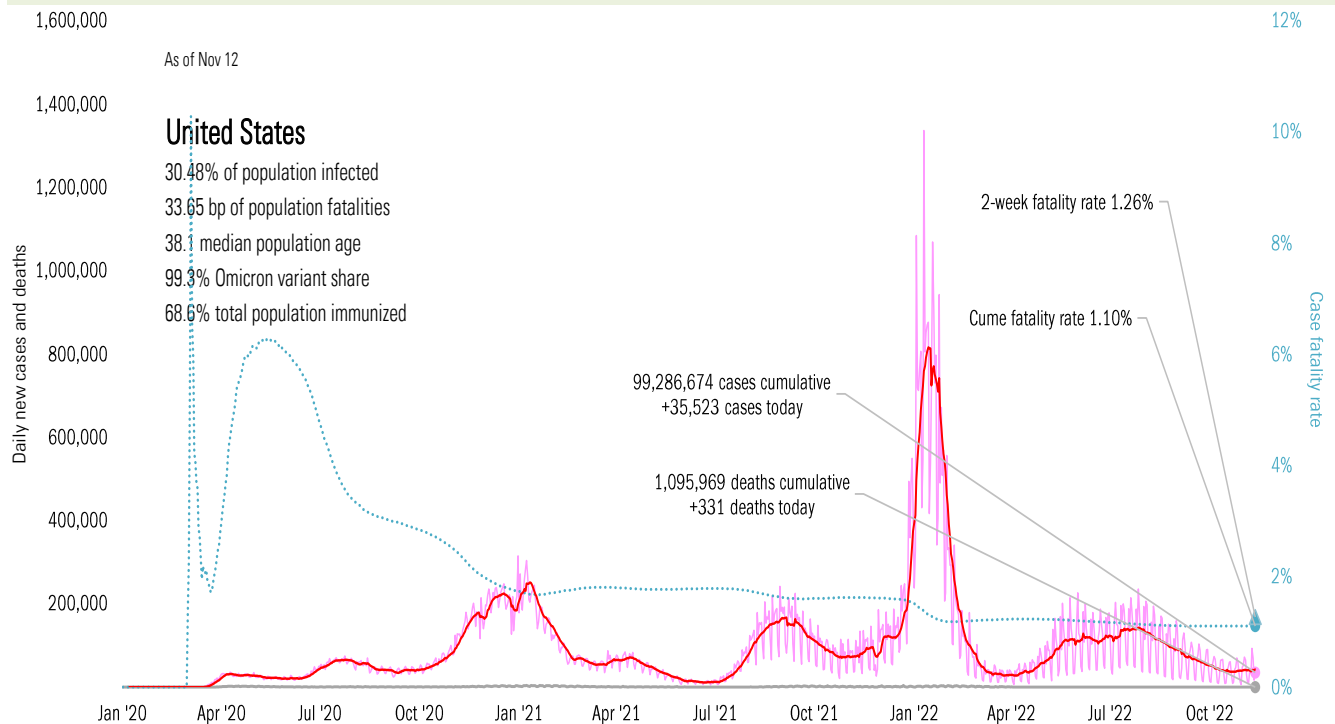
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	3,533		CA	72		CA	317		CA	11,412,662		CA	97,106		TX	552,612		RI	90%	VT	86%
FL	3,308		FL	26		TX	185		FL	8,506,766		TX	91,256		CA	511,440		MA	88%	TX	85%
IL	2,186		IL	26		CO	107		TX	8,056,646		FL	82,719		FL	500,941		MN	86%	AL	85%
NJ	1,815		MI	24		OK	42		NY	6,301,572		NY	73,425		NY	314,681		MO	86%	AK	85%
PA	1,653		PA	22		KS	39		IL	3,834,925		PA	47,994		GA	228,815		WA	86%	MA	84%
KY	1,611		NY	17		CR	53		PA	3,330,062		GA	40,803		CH	225,051		NH	84%	NC	84%
CH	1,552		GA	15		MI	132		NC	3,255,540		CH	40,257		PA	211,442		DE	83%	NM	84%
MI	1,427		MA	15		NY	349		CH	3,208,165		IL	40,109		IL	193,076		GA	82%	NE	84%
MD	1,350		NJ	14		AZ	93		GA	2,929,434		MI	39,574		MI	168,321		WV	82%	RI	82%
CO	1,305		MD	10		IN	78		MI	2,907,819		NJ	34,986		KY	147,160		DC	82%	GA	82%
19,741			241			1,395			53,743,591			588,229			3,053,539						
All states	35,523			331			3,390		All states	99,286,674			1,095,969			5,545,496		All states	70%		67%
Top ten	56%			73%			41%		Top ten	54%			55%			55%		Median	78%		75%

Some states not reporting

Five most improved US states

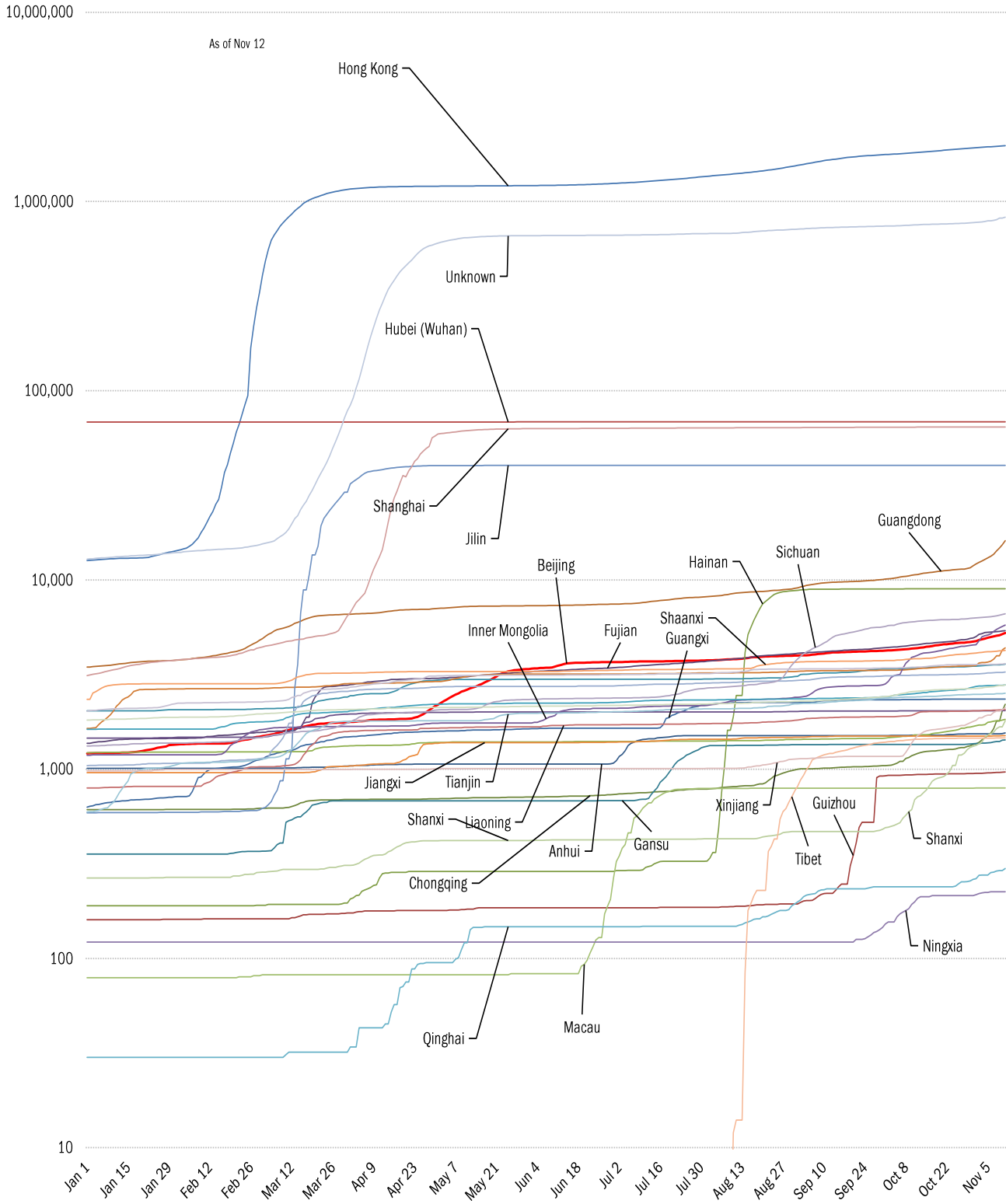
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
VA	-1,251	MO	-3	IL	-59
CT	-970	AR	-1	CH	-53
AR	-284	CO	-1	MO	-45
AK	0	ME	-1	VA	-37
AL	0	TX	-1	MD	-30



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

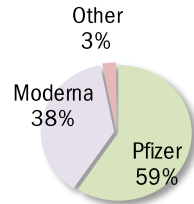


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	662,681,441		+0.815 million		US	68.5%	80.2%
			Of which boosters: +0.815 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	France	78.3%	80.5%
Total population	275,346,421	82%	234,555,714	70%	Spain	85.5%	86.9%
Age 12 to 17	18,347,933	73%	15,688,853	62%	Germany	76.2%	77.7%
Age 18 to 64	183,281,042	90%	155,734,230	77%	Italy	81.3%	86.1%
Age 65 and over	60,724,196	100%	53,130,217	97%	Australia	83.2%	85.7%
					Israel	65.2%	71.1%
					Canada	82.3%	88.3%
					Japan	83.1%	84.2%
					Africa	24.8%	31.0%
					India	67.1%	72.5%
					Brazil	80.0%	87.0%
					China	89.2%	91.4%



AK	72.3%
	64.7%

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

"Immunity" = two doses

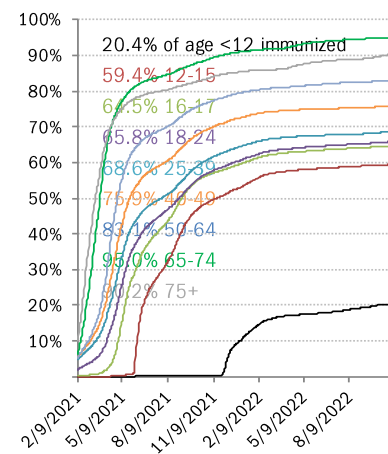
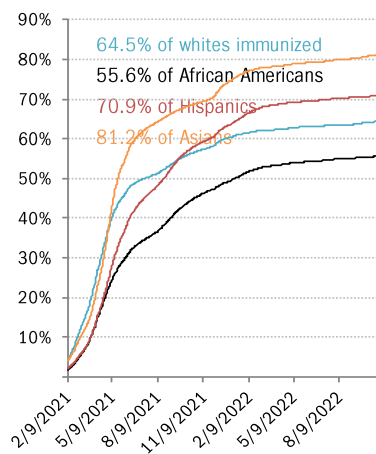
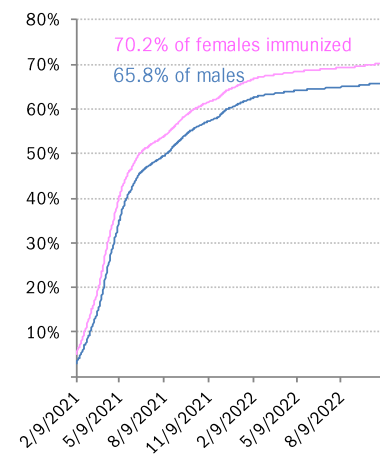
Best
Middle
Worst

Global data differs due to sources, timing

As of Nov 11

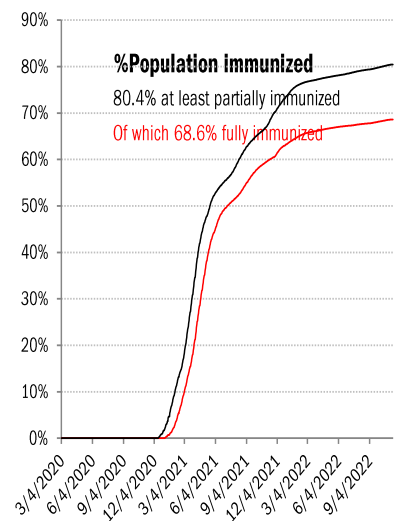
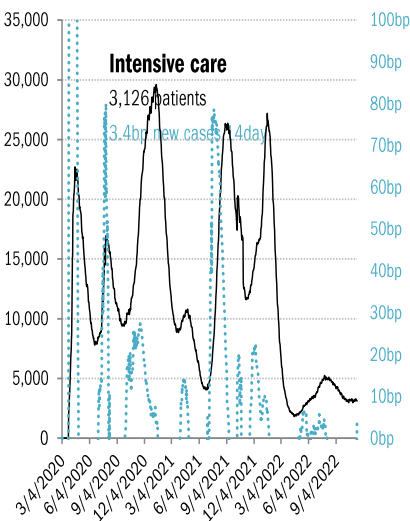
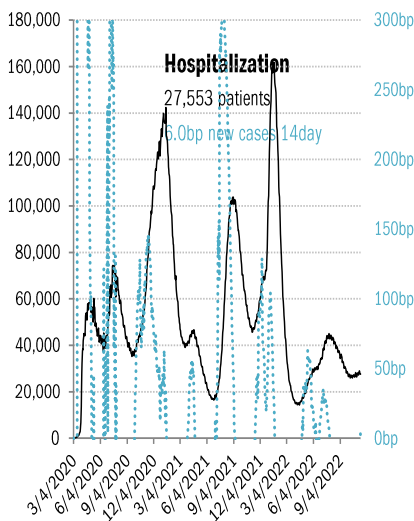
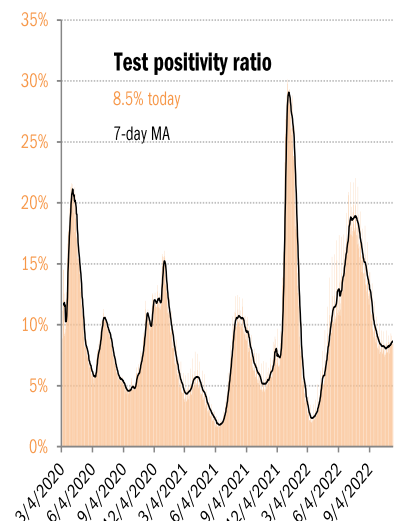
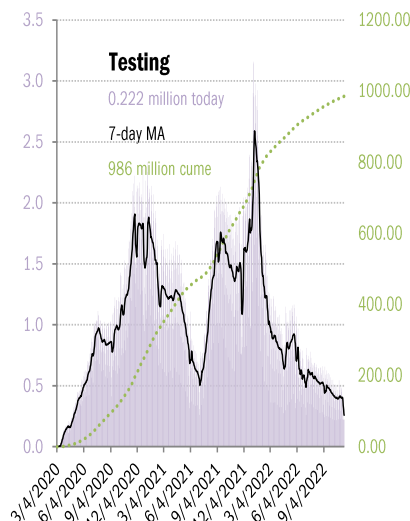
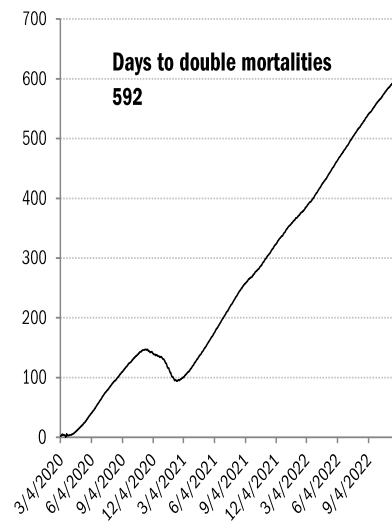
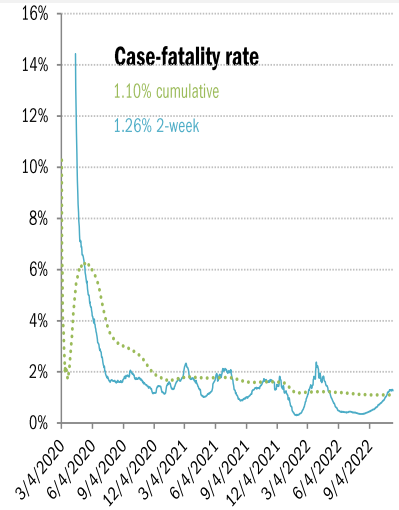
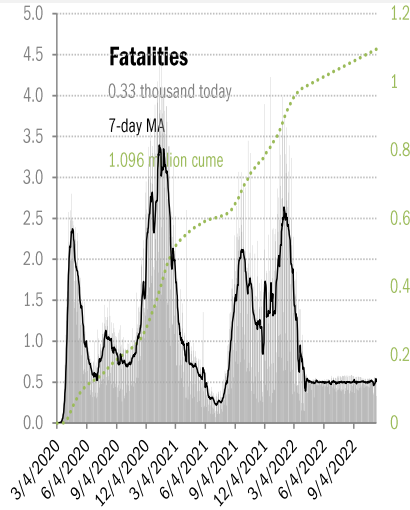
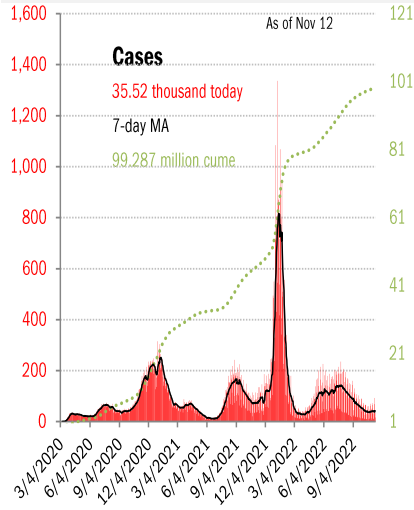
					WI							ME
					74.3%							95.0%
					67.6%							82.4%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
84.2%	63.3%	67.5%	68.5%	77.9%	78.5%	68.9%				93.4%	95.0%	86.2%
75.2%	56.0%	58.6%	57.9%	71.4%	70.7%	61.9%				79.8%	84.4%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
80.5%	78.0%	60.3%	82.3%	70.0%	63.8%	65.2%	89.2%			93.6%	95.0%	
71.6%	62.9%	52.6%	65.3%	63.8%	57.3%	60.0%	72.1%			78.3%	82.9%	
CA	UT	CO	NE	MO	KY	WV	VA			MD	CT	RI
85.5%	74.5%	82.7%	72.6%	68.6%	68.2%	67.0%	89.6%			90.5%	95.0%	95.0%
74.4%	66.1%	72.8%	65.6%	58.3%	59.1%	59.3%	75.7%			78.8%	82.2%	86.7%
	AZ	NM	KS	AR	TN	NC	SC			DC	DE	
	76.3%	92.7%	75.3%	69.1%	64.0%	90.3%	70.3%			95.0%	86.6%	
	65.4%	74.2%	64.5%	56.3%	56.0%	65.8%	59.3%			83.6%	72.0%	
			OK	LA	MS	AL	GA					
			73.8%	62.5%	61.3%	64.4%	67.6%					
			59.8%	54.8%	53.4%	52.6%	56.7%					
			TX							FL		PR
			75.5%							81.7%		95.0%
			62.7%							68.9%		86.4%

The demographics of US vaccination

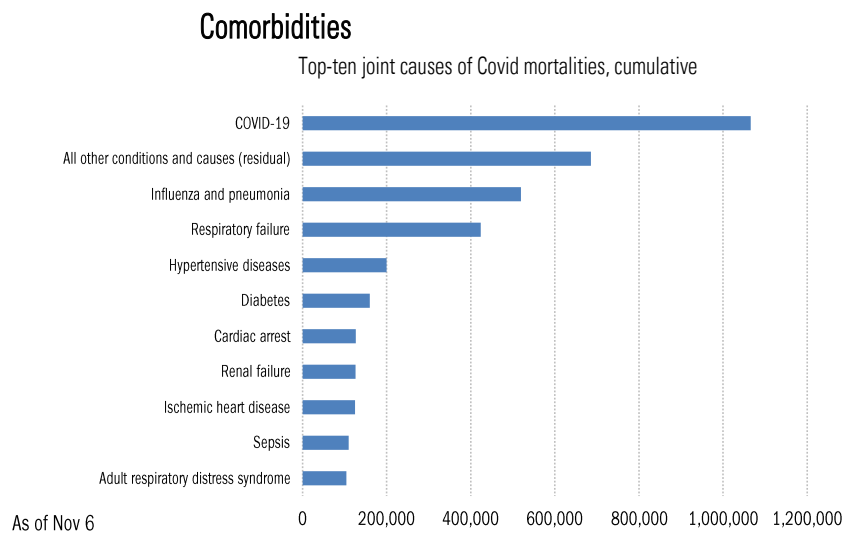
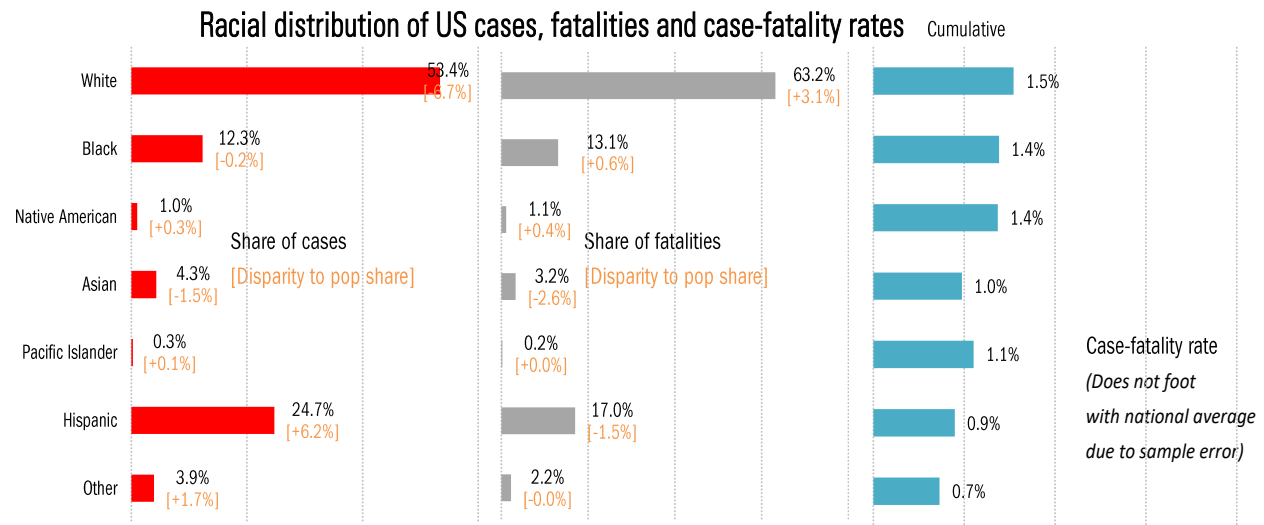
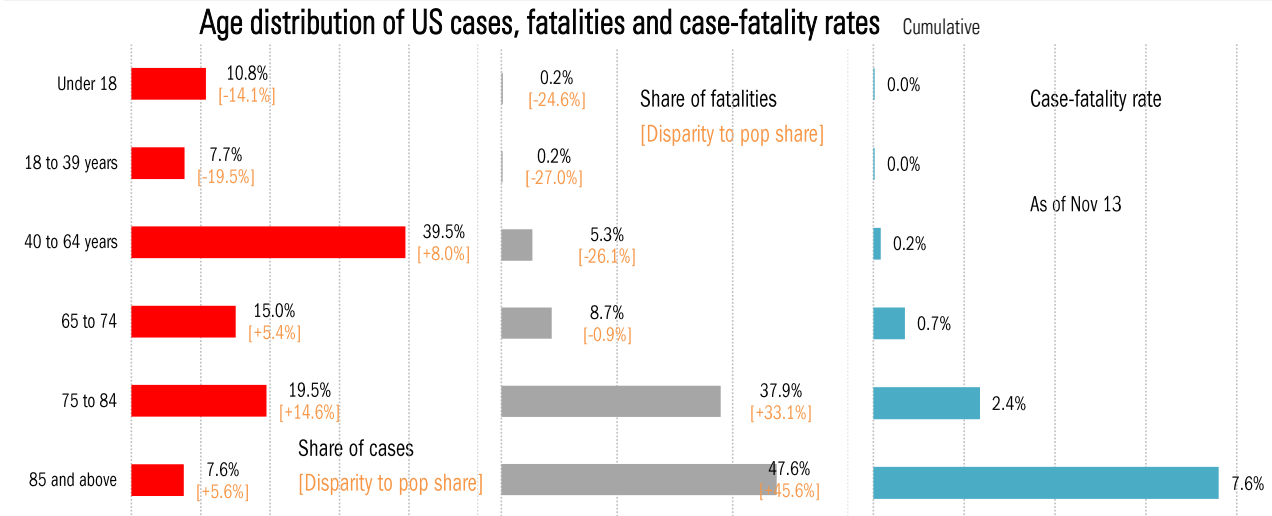


Source: CDC, CDC, Our World in Data, TrendMacro calculations

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

[Two Planes Collide in Midair at Dallas Air Show, F.A.A. Says](#)

Margarita Birnbaum and Vimal Patel
New York Times
November 12, 2022

[This flu season is looking really scary, in one chart](#)

Keren Landman
Vox
November 12, 2022

[Stanford quietly drops vaccine requirement](#)

Steve Kirsch
Steve Kirsch's Newsletter
November 12, 2022

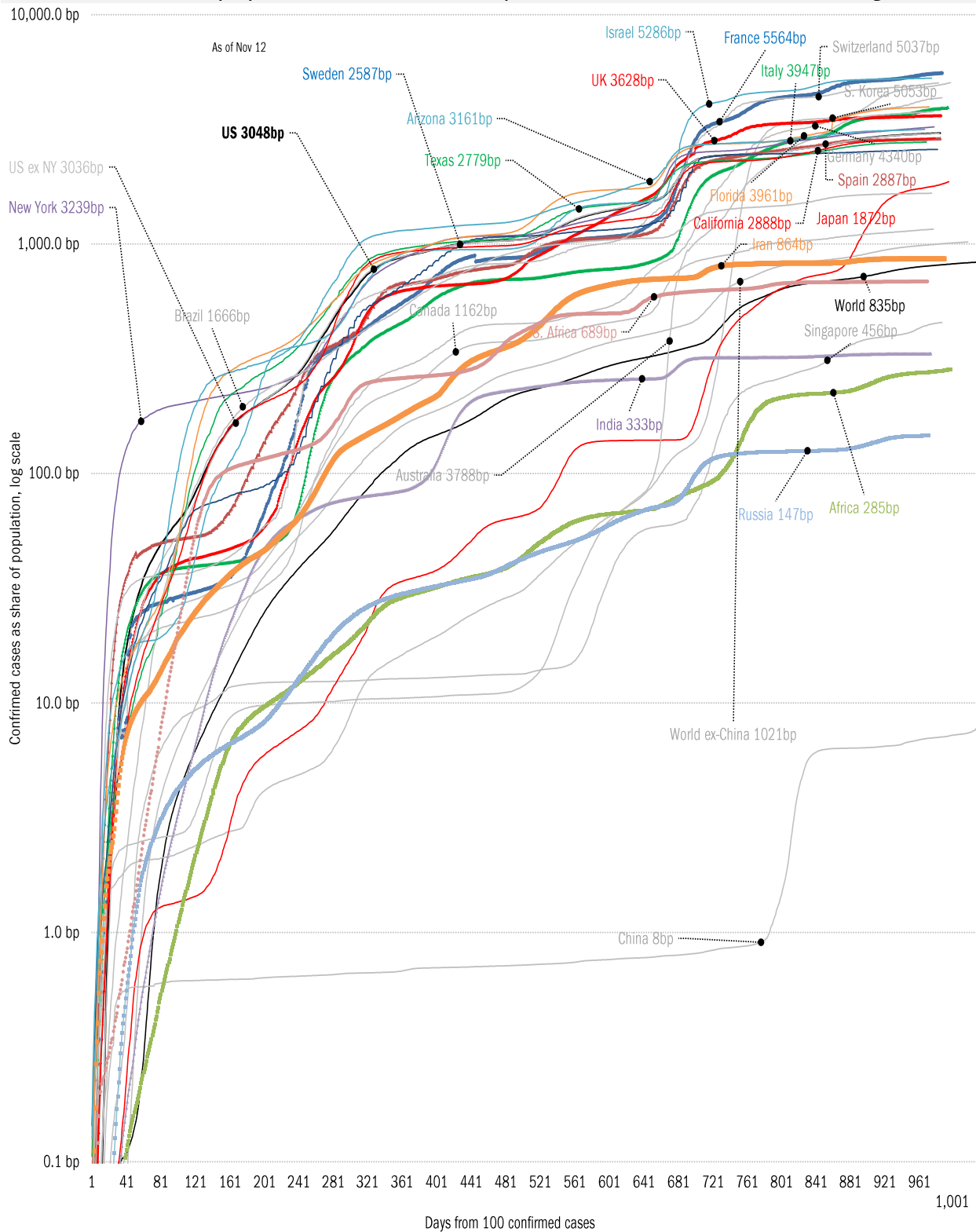
Meme of the day



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

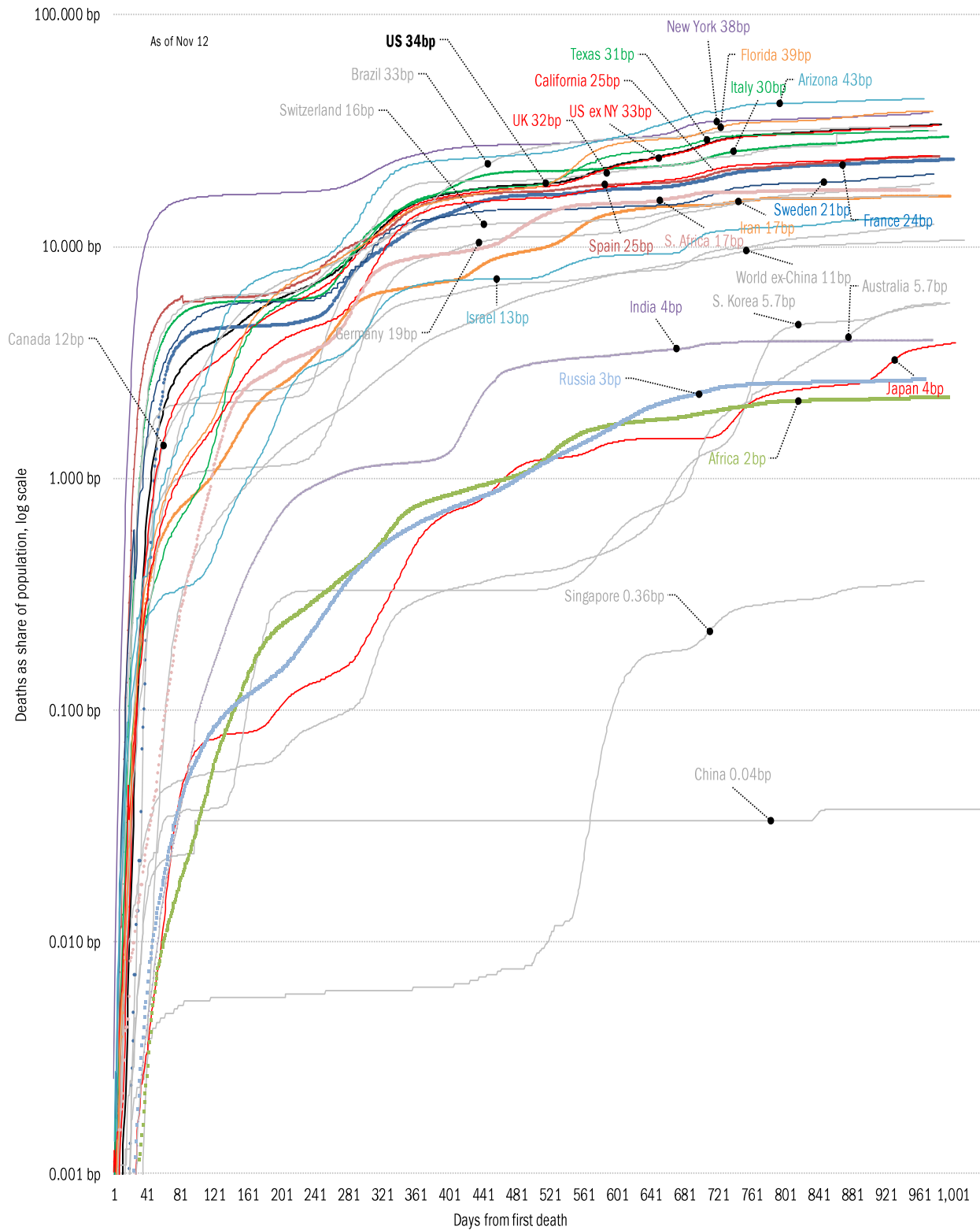
The global coronavirus case accelerometer... tracking the world's infection curves

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

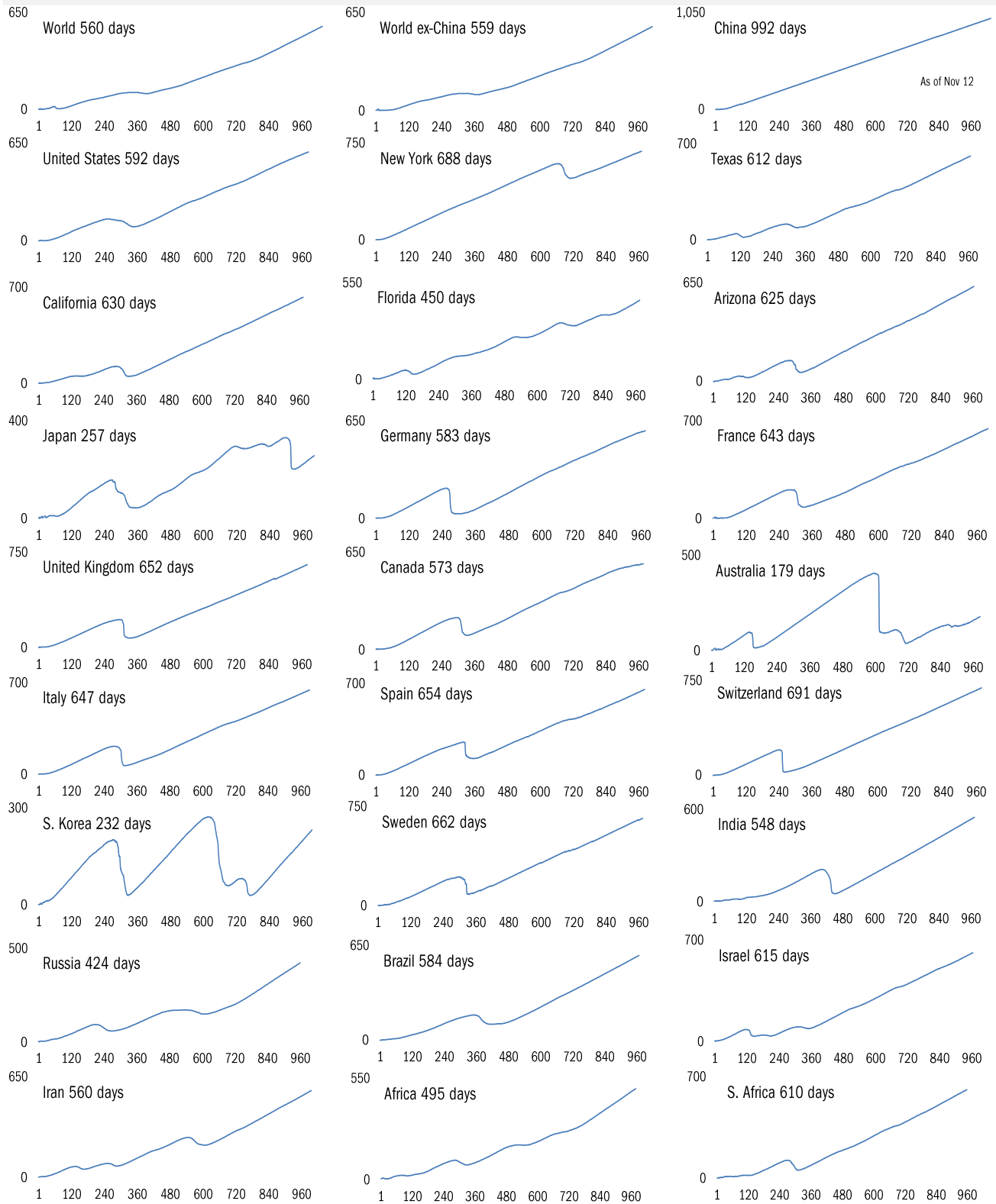


Source: [Johns Hopkins](#), TrendMacro calculations

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

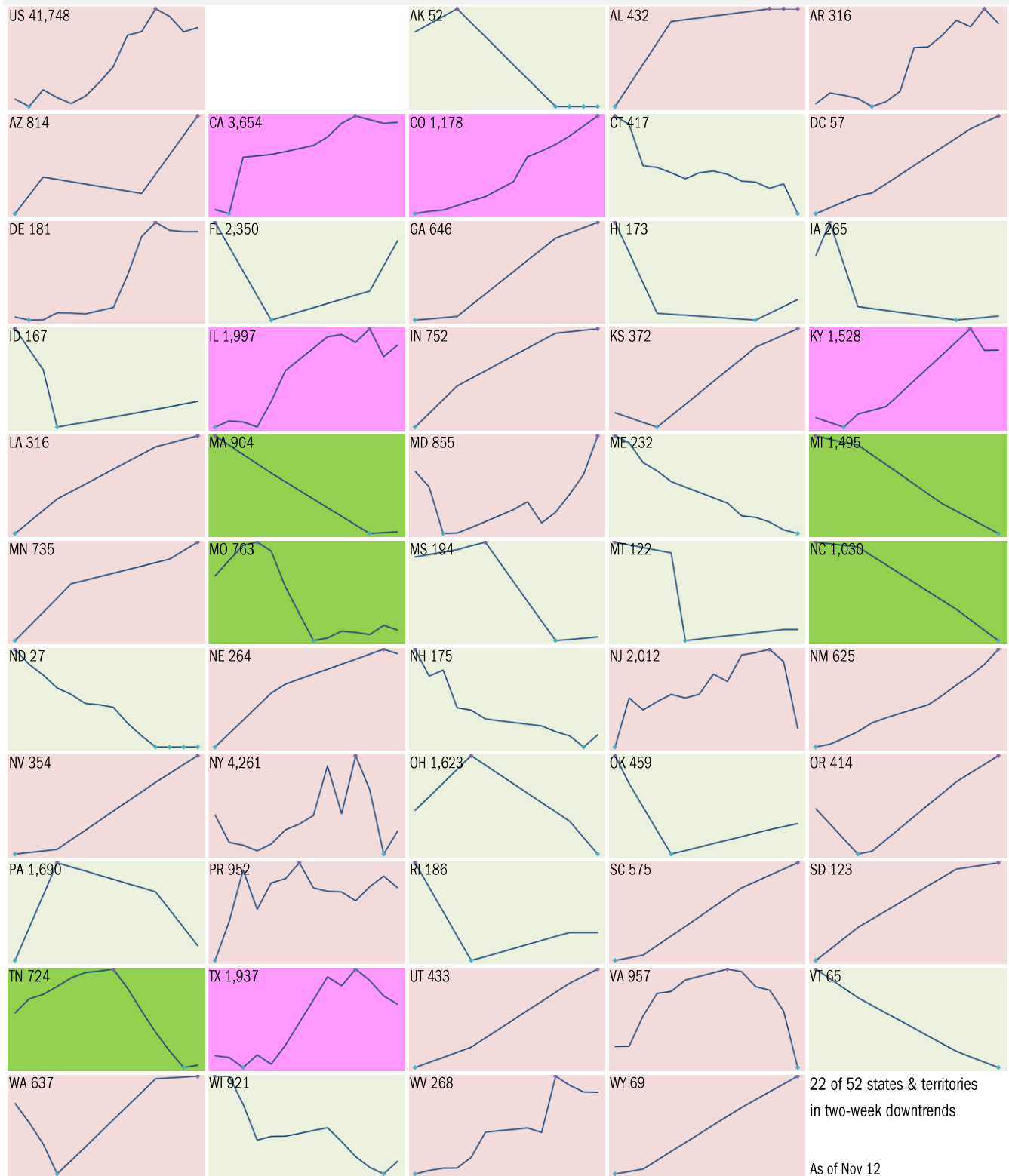


Source: [Johns Hopkins](#), TrendMacro calculations

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

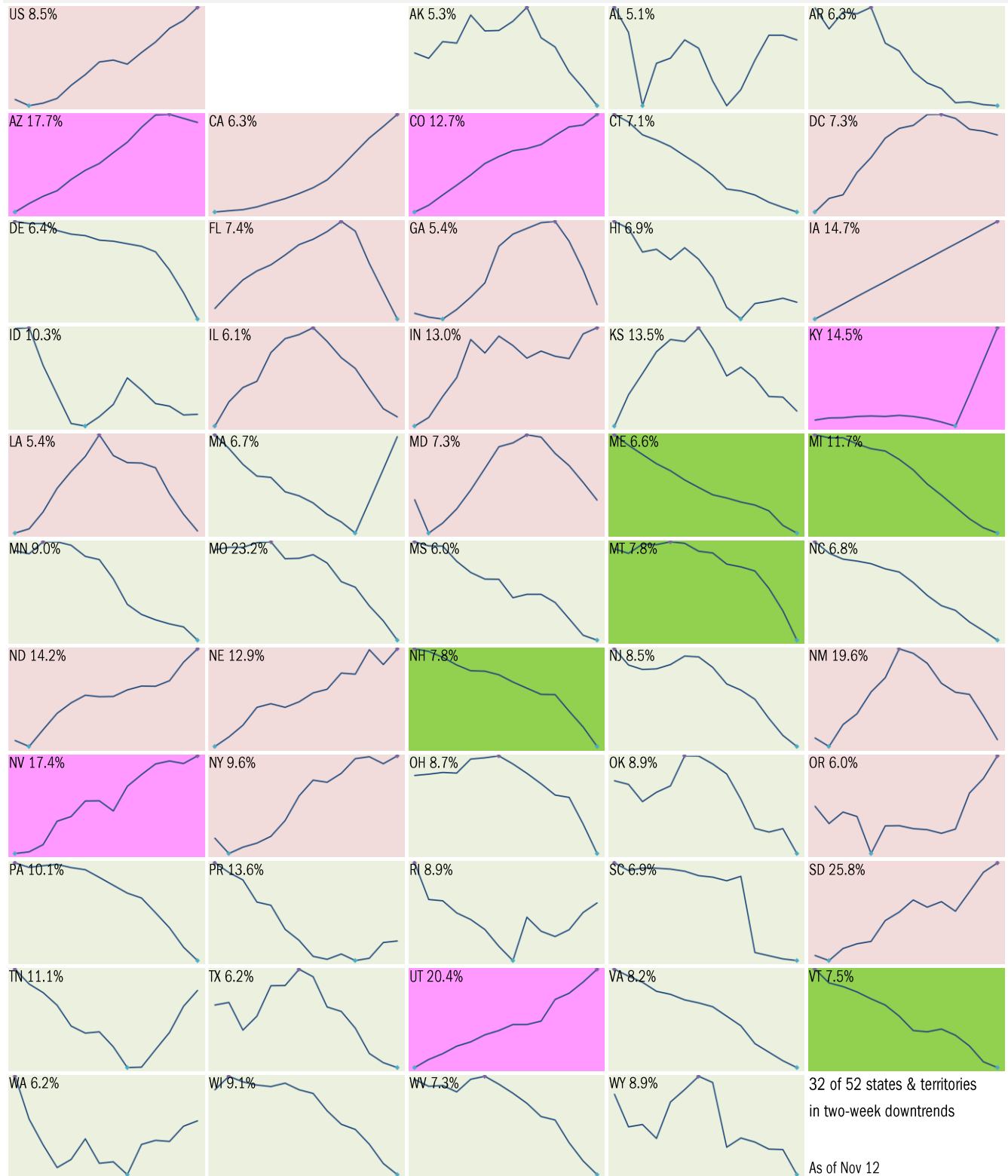


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

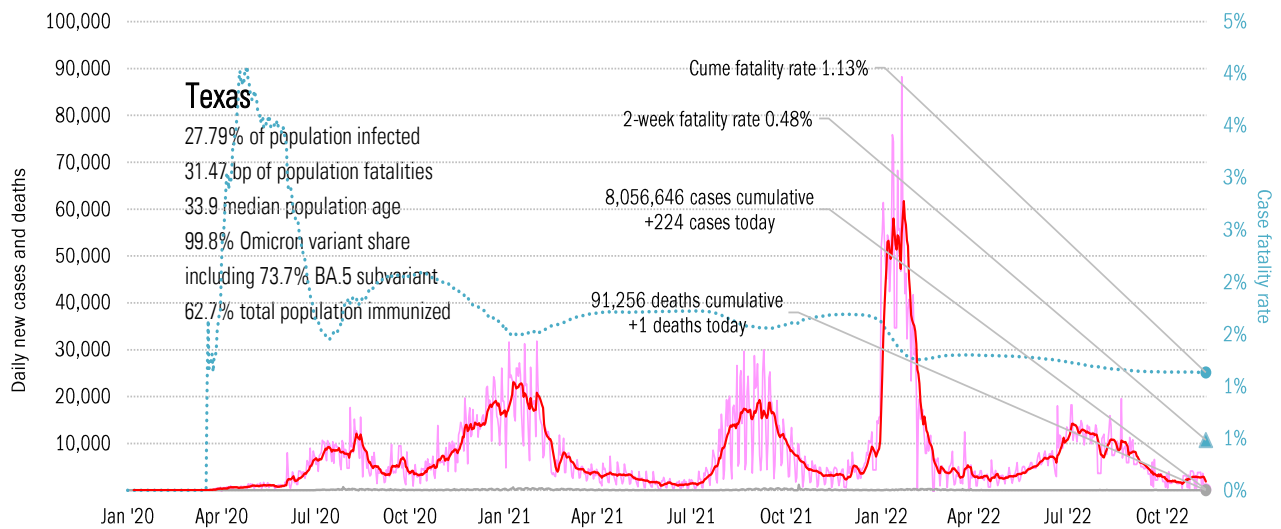
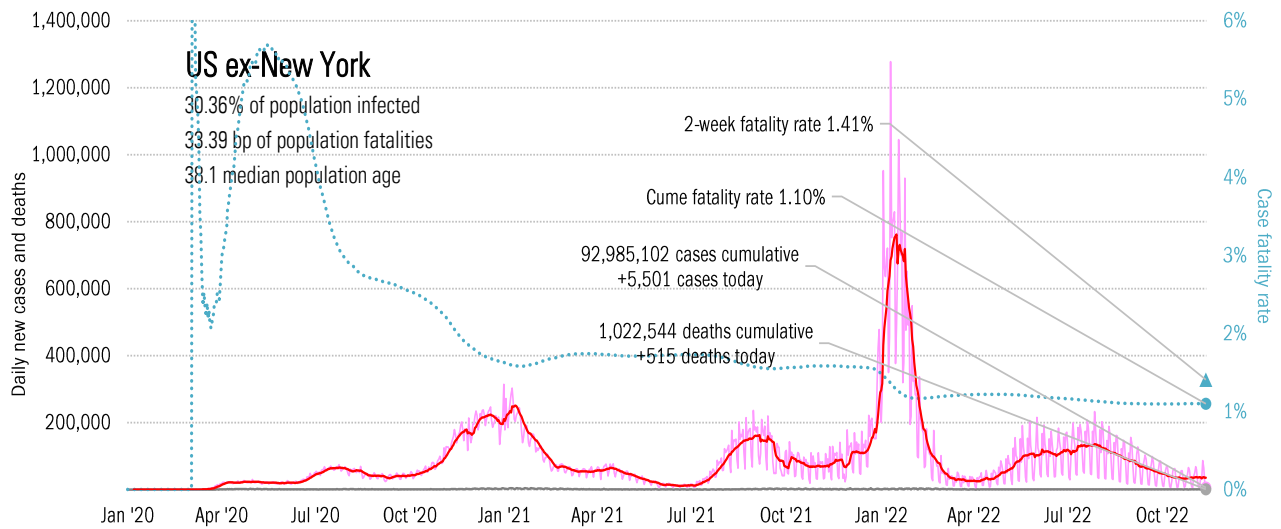
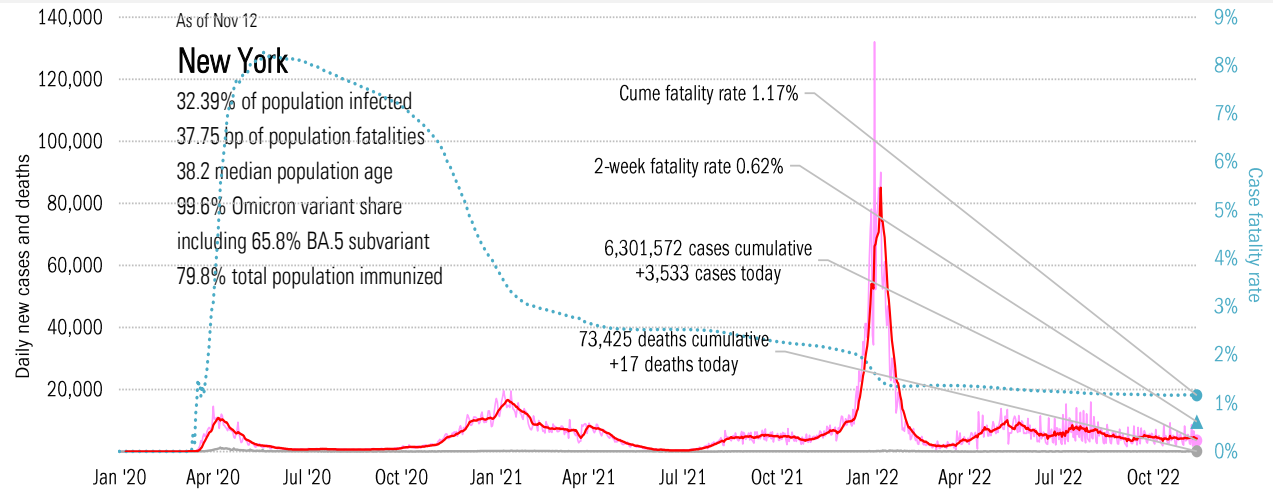
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

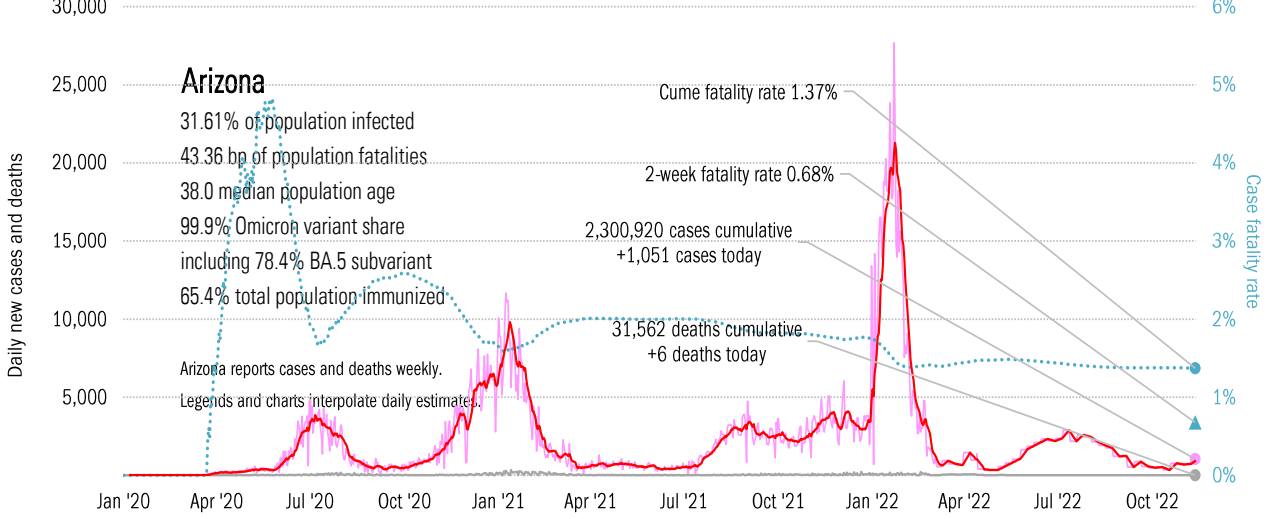
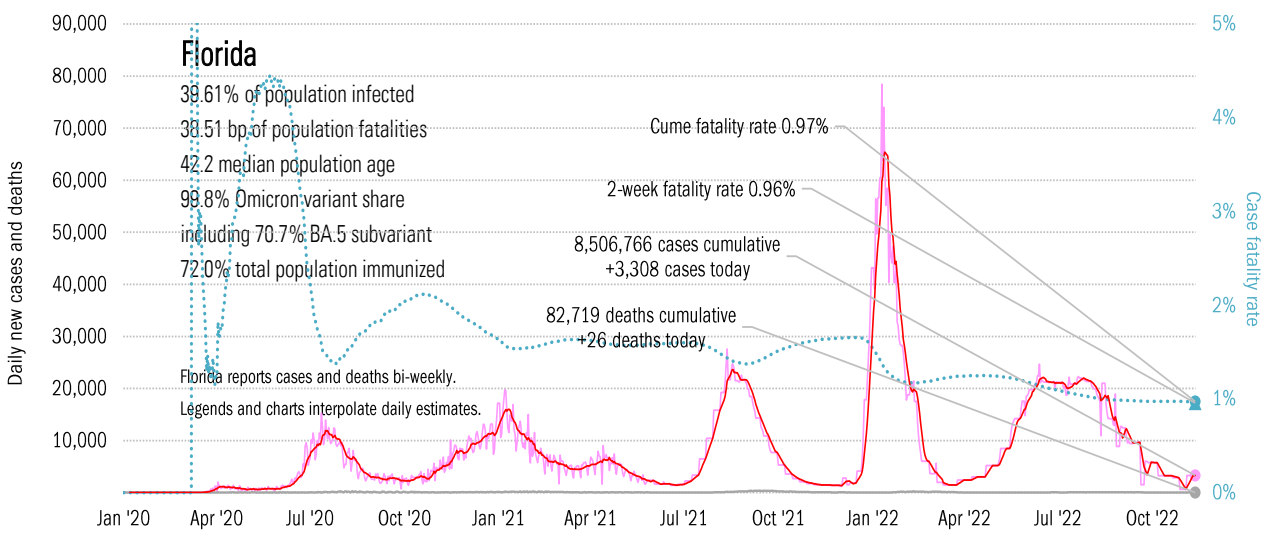
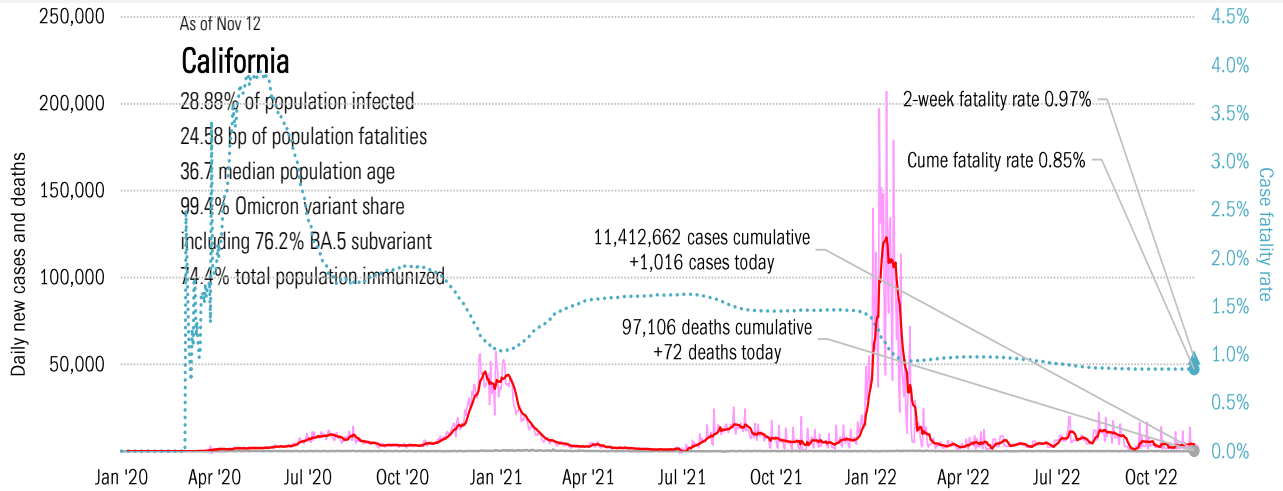
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

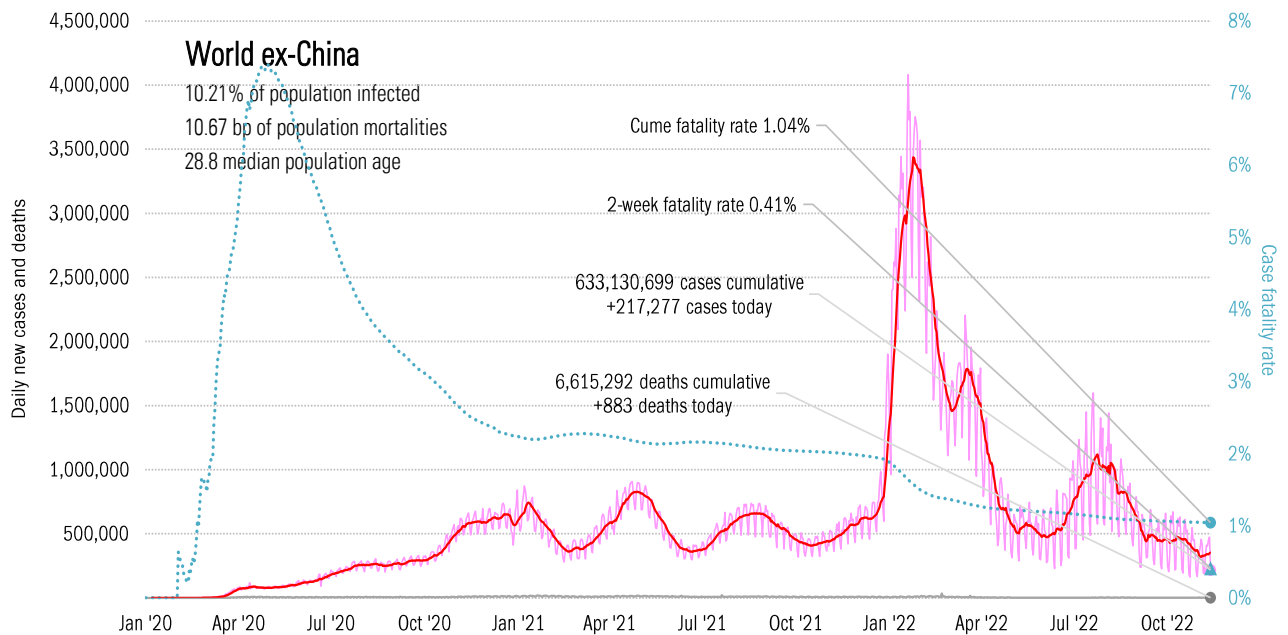
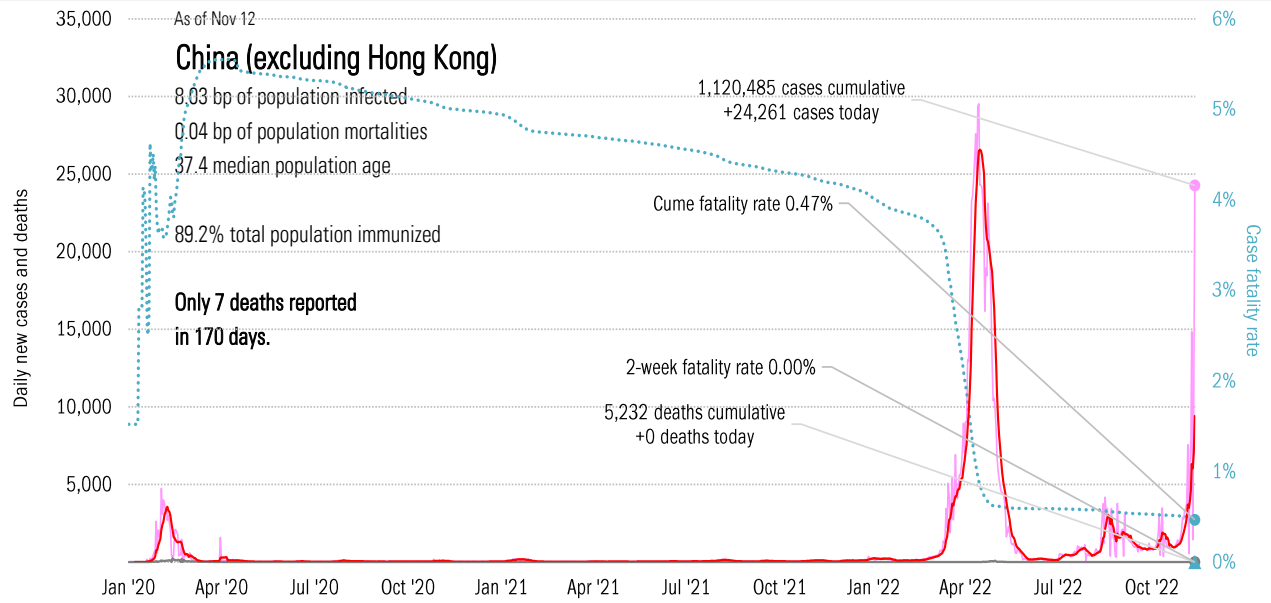
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

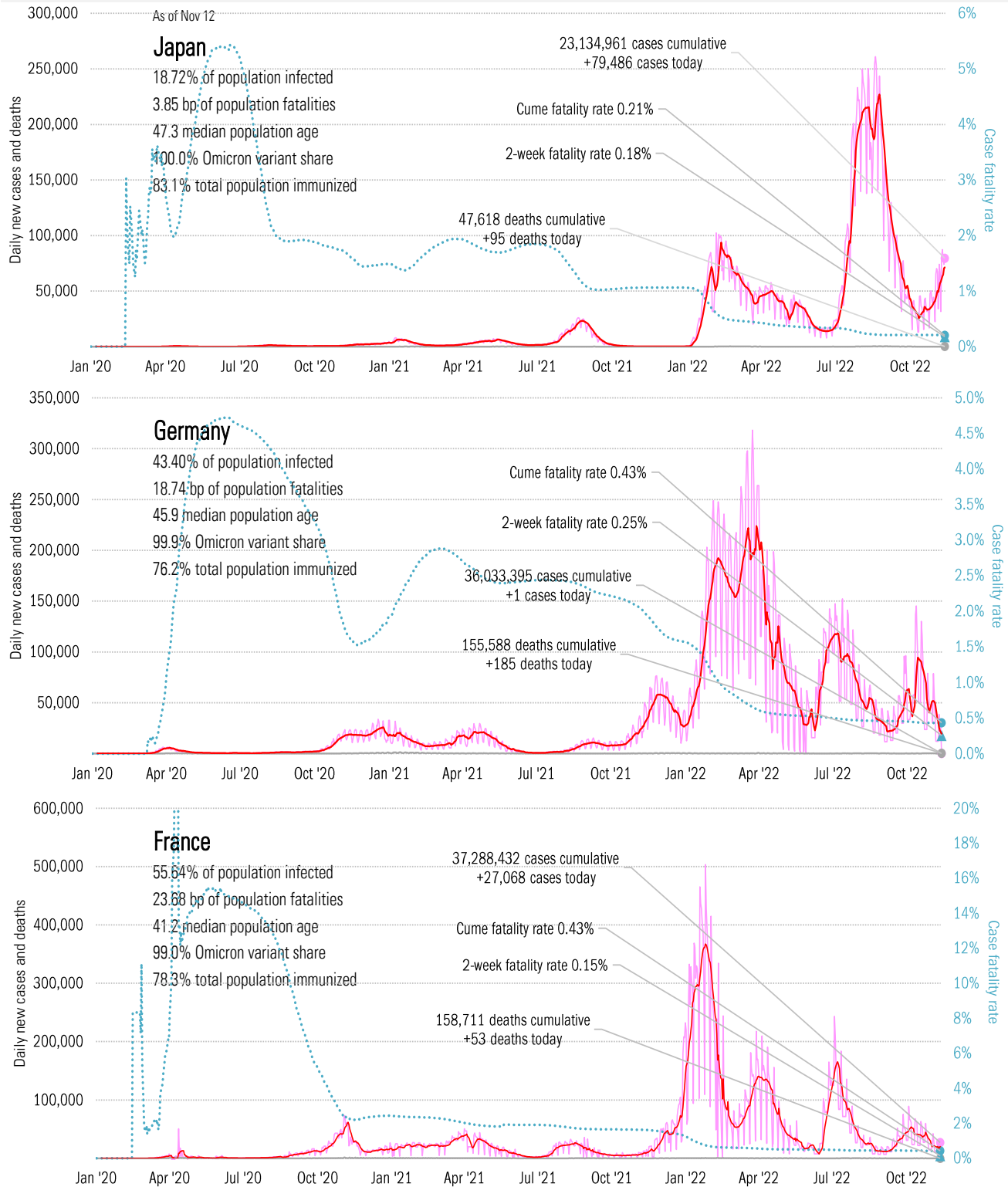
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

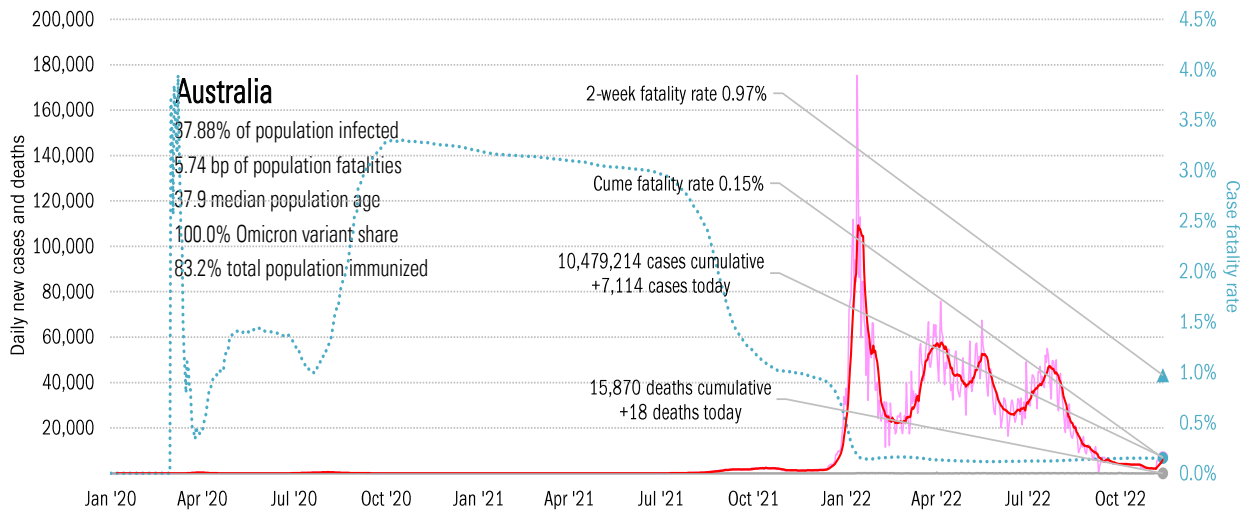
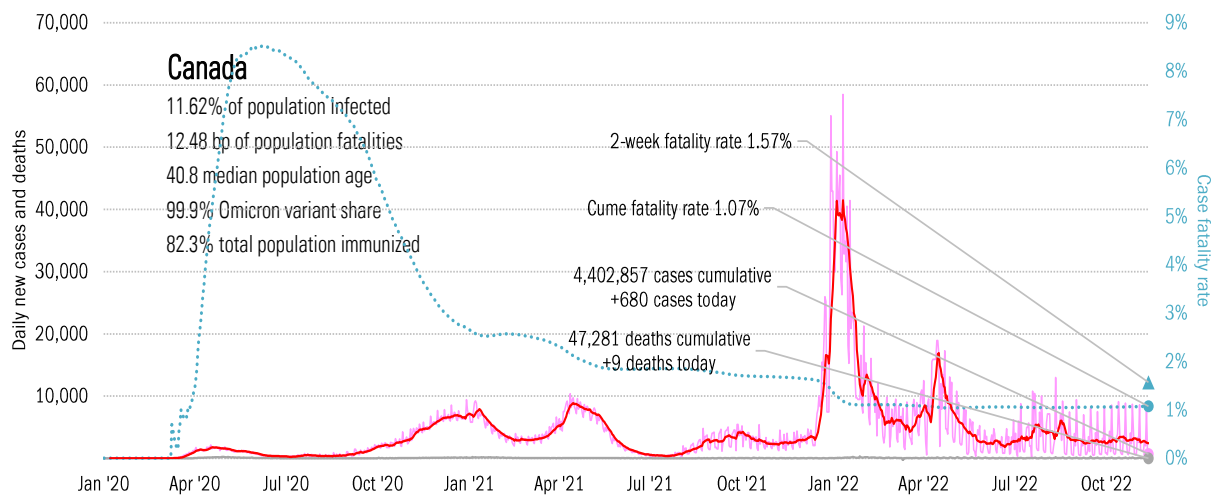
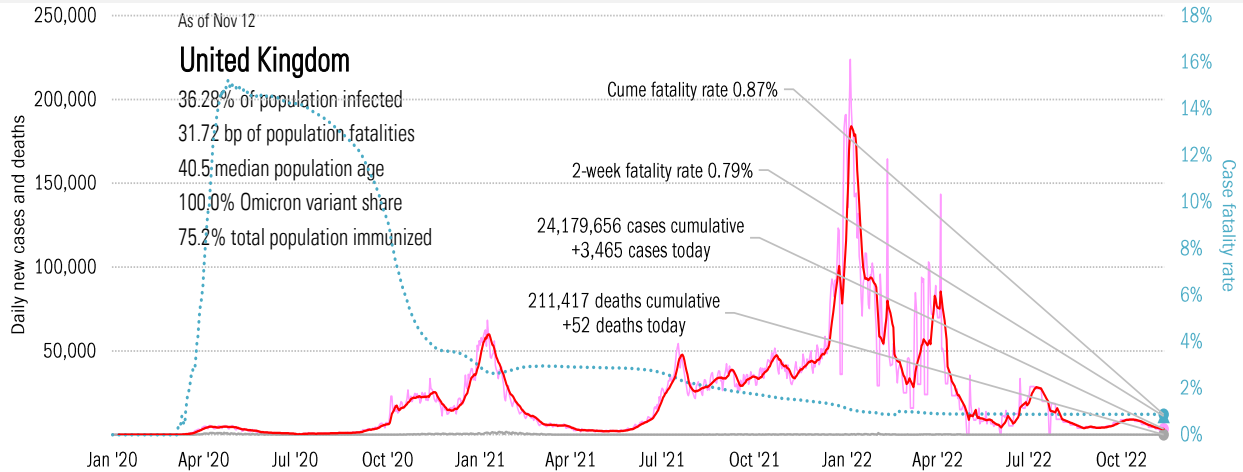
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

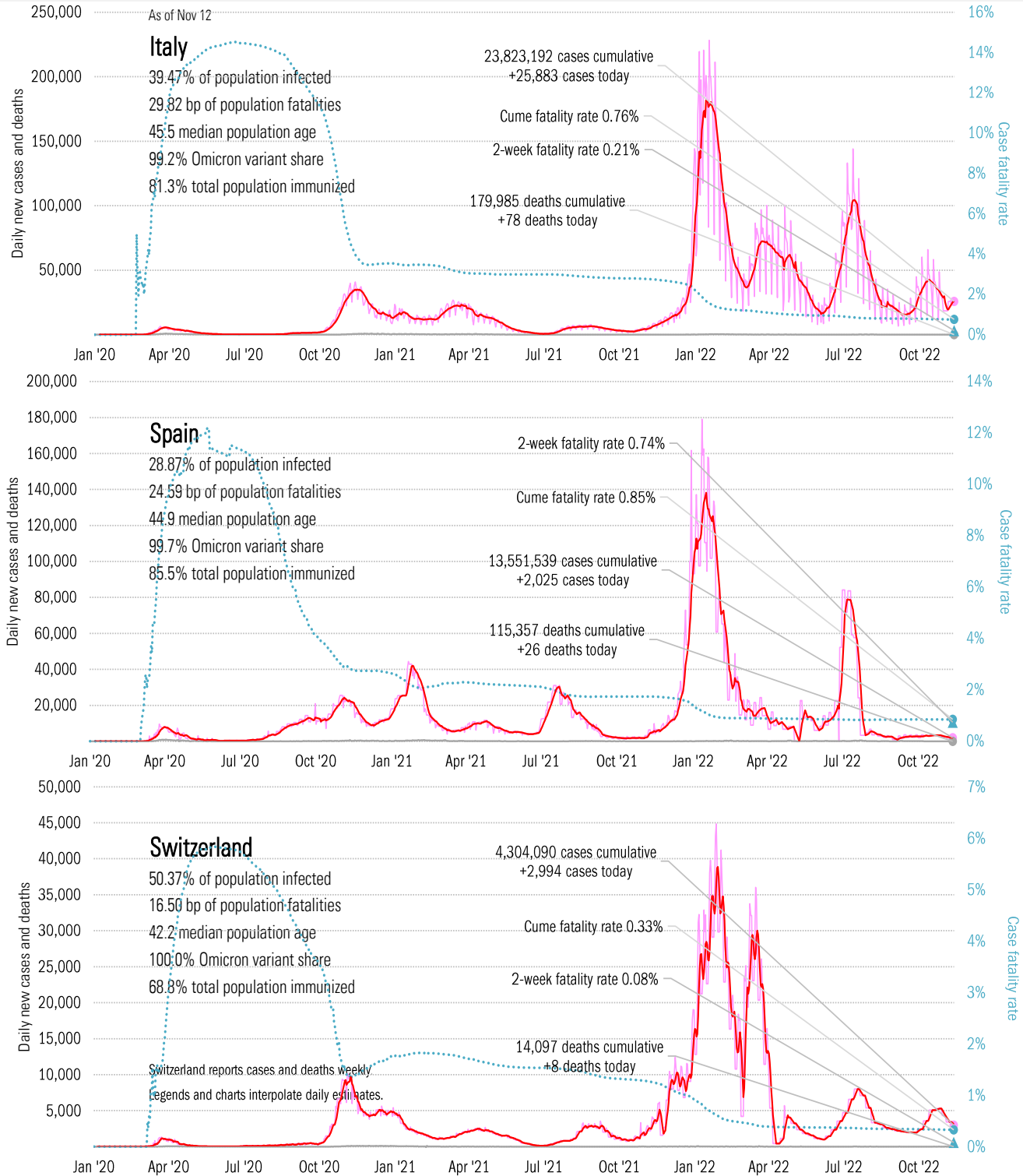
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

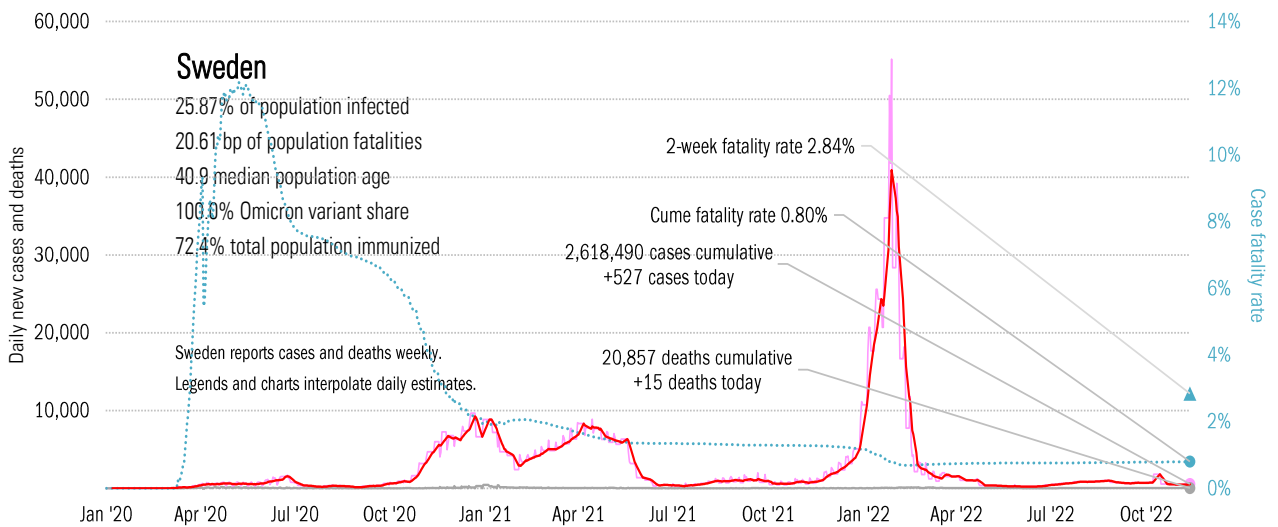
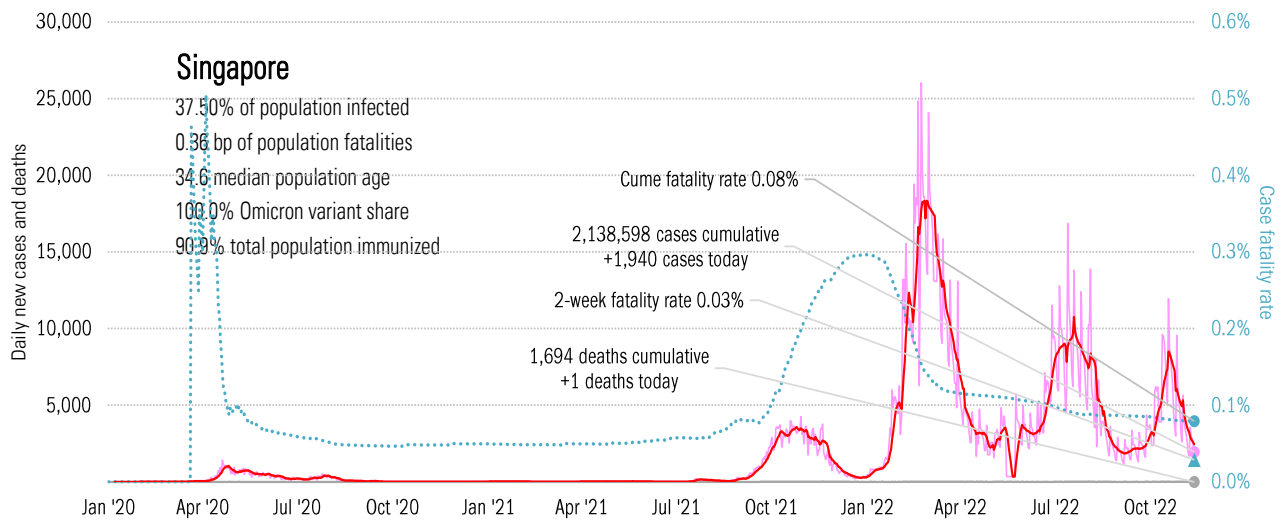
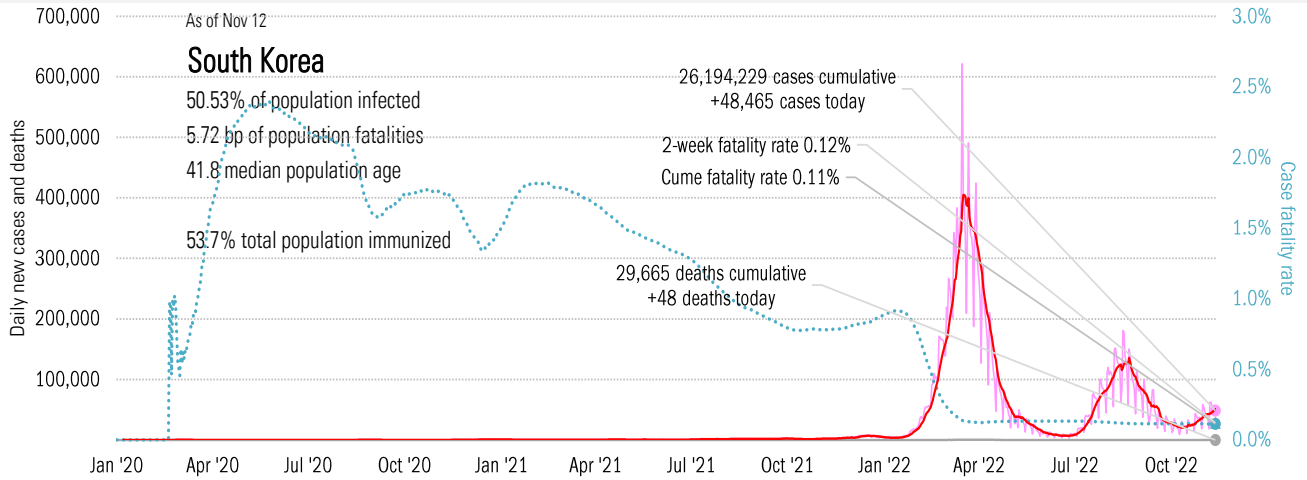
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

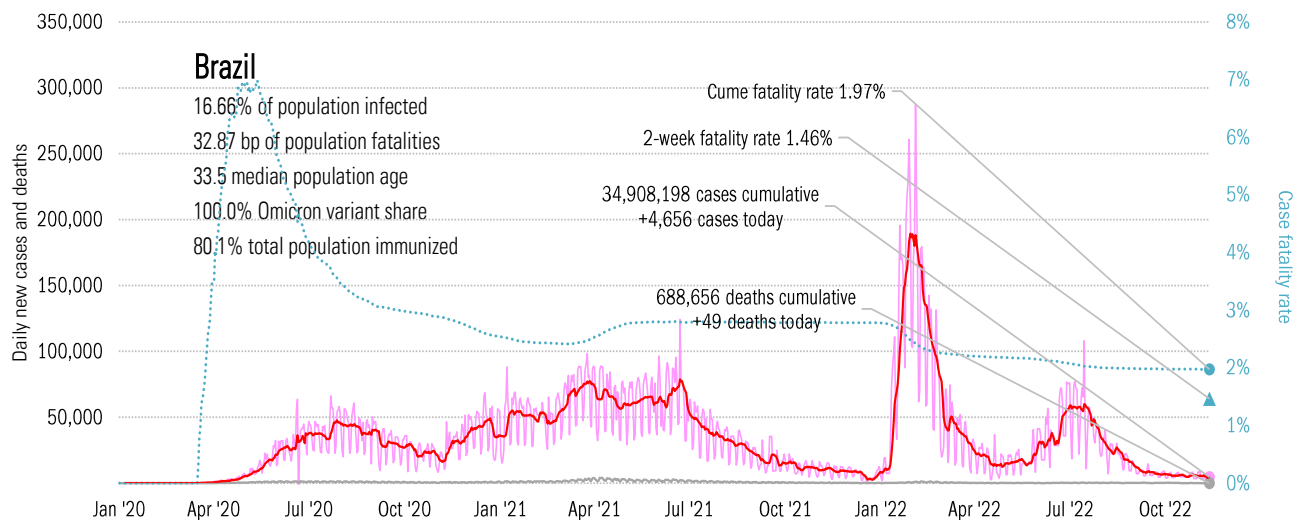
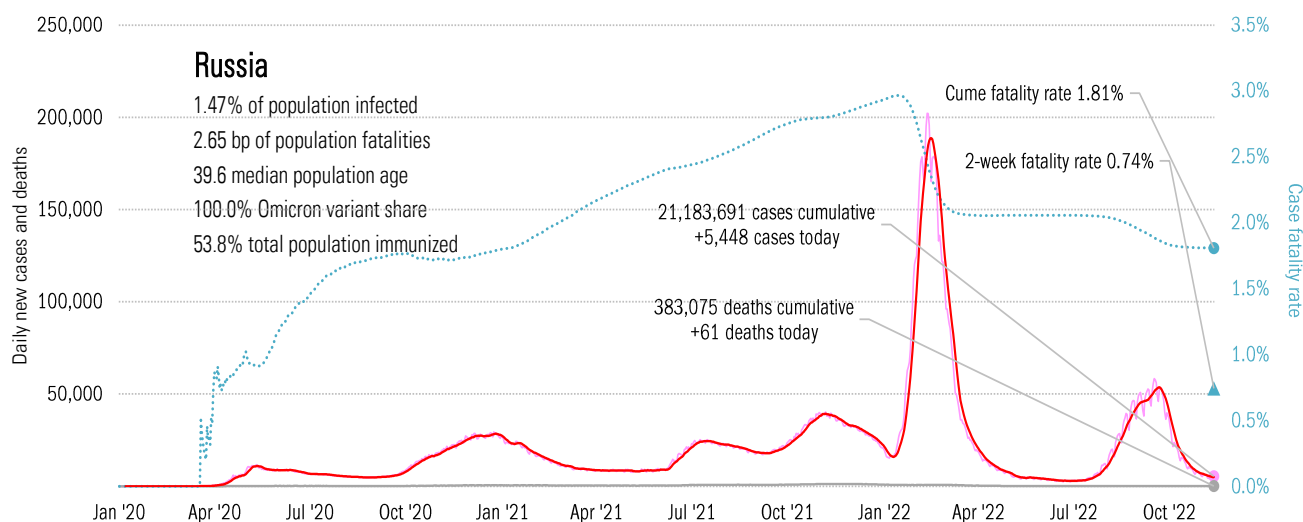
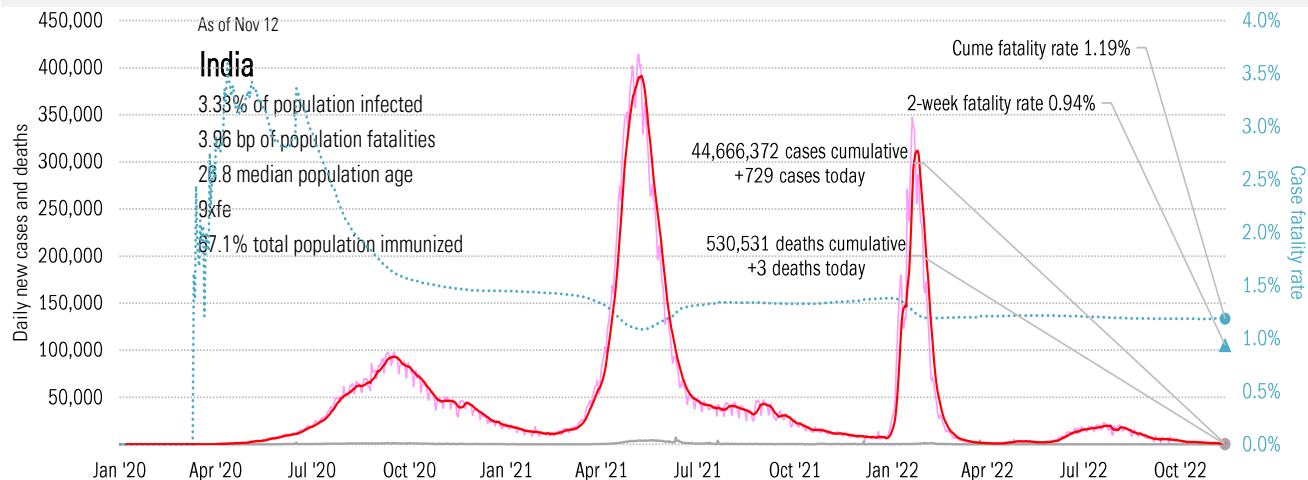
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

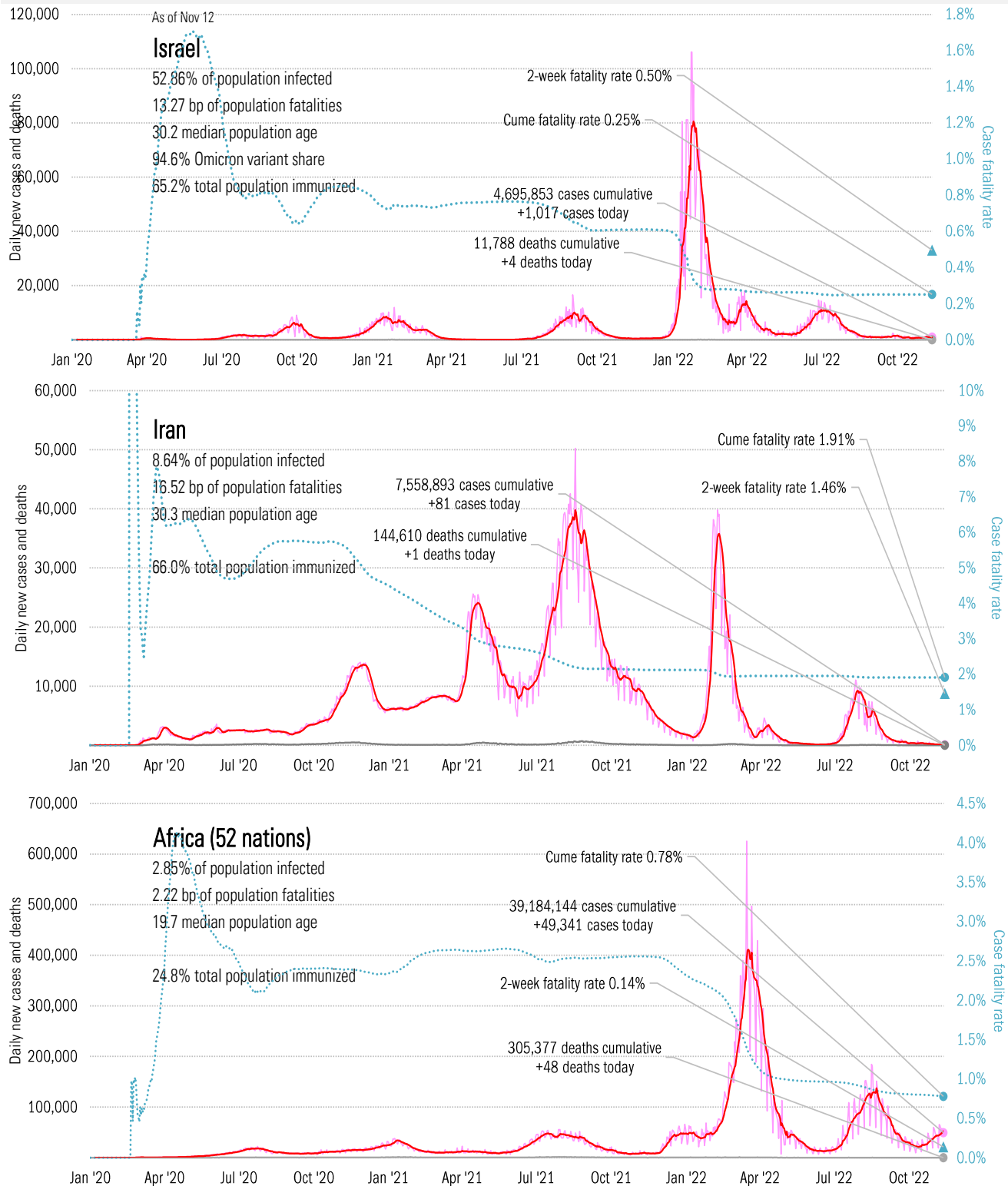
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

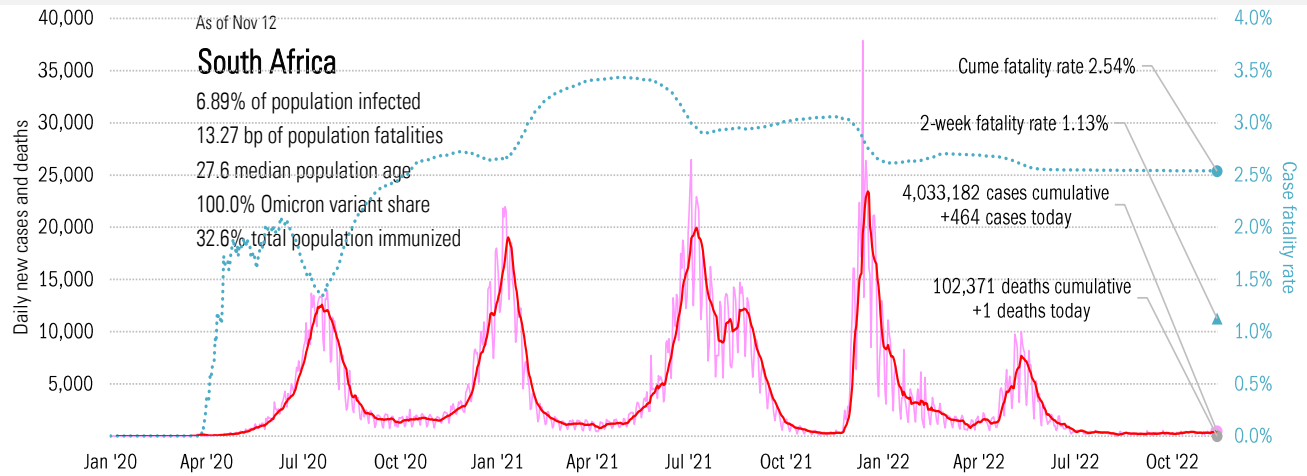
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations