

Data Insights: Covid-2019 Monitor

Thursday, November 17, 2022

The global scorecard

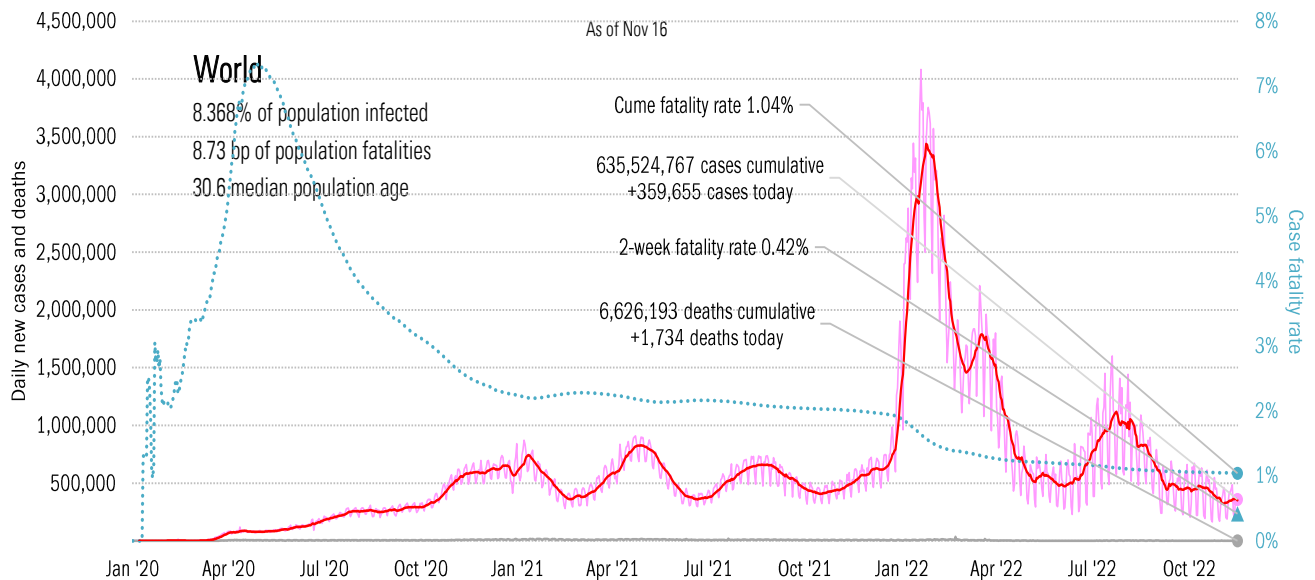
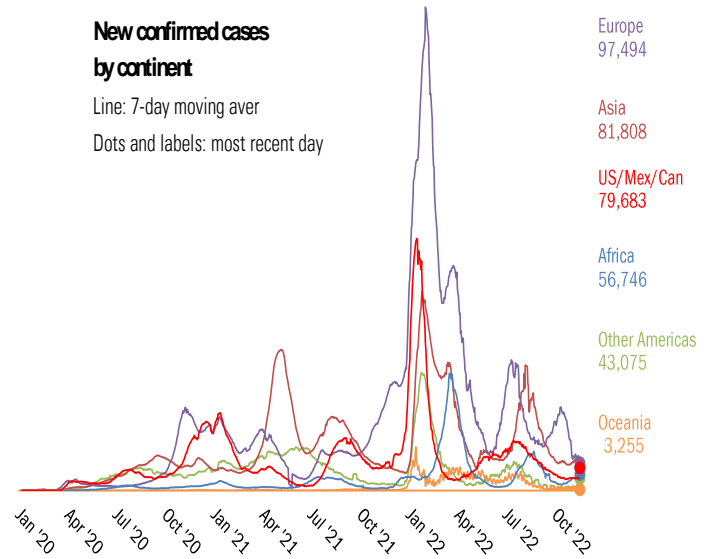
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	55,437	United States	398
United States	46,305	Malawi	211
China	39,974	Germany	162
France	33,920	Brazil	108
Germany	33,306	Ukraine	104
Brazil	29,875	Canada	98
Taiwan*	22,676	Hungary	73
Indonesia	8,486	Taiwan*	69
Ukraine	7,363	Korea, South	67
Chile	6,589	Russia	62
283,931		1,352	
World	359,655	World	1,734
Top ten	79%	Top ten	78%

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

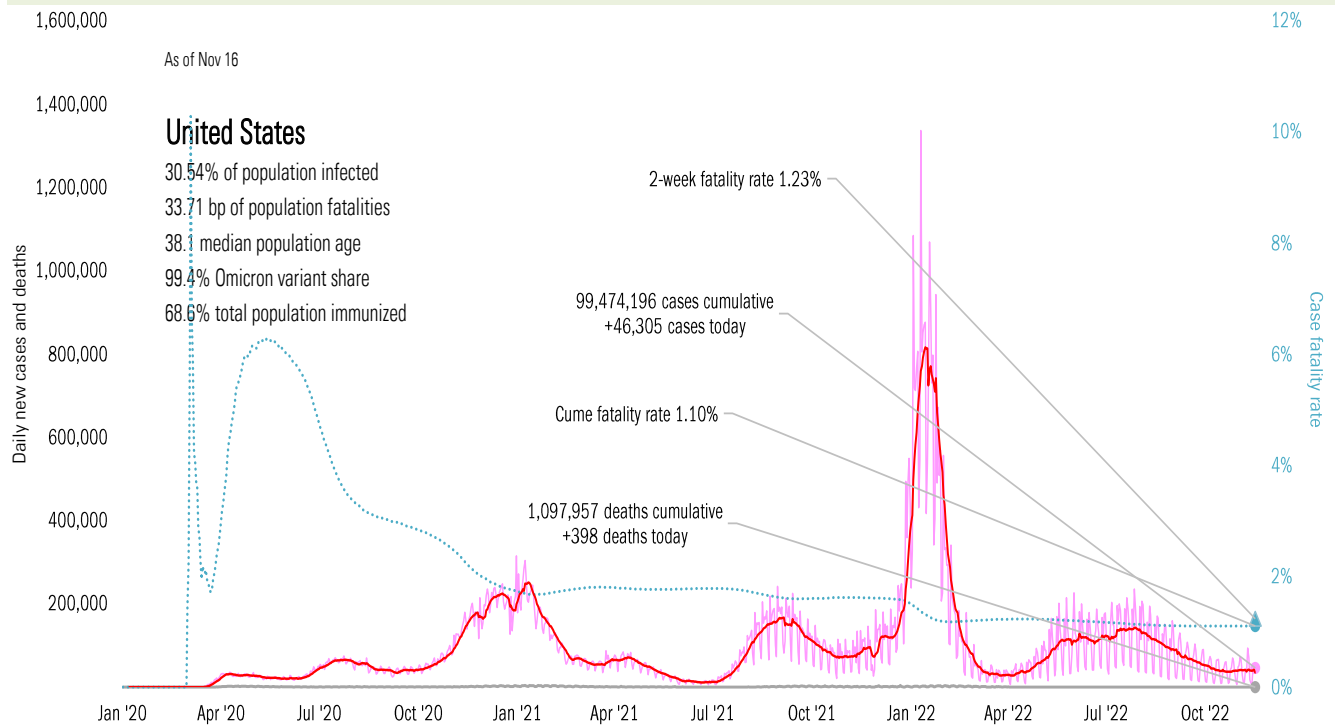
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	3,979		OR	44		NE	24		CA	11,423,501		CA	97,165		TX	553,079		MA	86%	UT	108%
TX	3,811		FL	26		PR	19		FL	8,519,998		TX	91,308		CA	512,444		RI	85%	TX	86%
OR	3,355		IL	21		DE	17		TX	8,068,892		FL	82,719		FL	501,499		MN	83%	AK	85%
FL	3,308		WI	21		NH	20		NY	6,320,662		NY	73,574		NY	315,529		WA	83%	MA	83%
CA	3,140		MI	21		AR	27		IL	3,845,953		PA	48,126		GA	229,001		DC	83%	RI	82%
IL	2,186		VA	20		NV	27		PA	3,340,015		GA	40,915		CH	225,476		MO	82%	NC	81%
MI	2,143		PA	19		MT	13		NC	3,262,335		CH	40,257		PA	211,954		NH	82%	NH	81%
NJ	1,972		CA	16		NM	32		CH	3,208,165		IL	40,174		IL	193,438		MD	81%	AL	81%
CO	1,751		GA	16		ME	13		GA	2,933,229		MI	39,697		MI	168,656		AK	81%	NM	80%
KY	1,611		TX	16		RI	8		MI	2,920,679		NJ	35,017		KY	147,279		DE	81%	GA	80%
27,257			220			200			53,843,429			588,952			3,058,355						
All states 46,305			398			3,016			All states 99,474,196			1,097,957			5,554,634			All states 70%		67%	
Top ten 59%			55%			7%			Top ten 54%			55%			55%			Median 76%		74%	

Some states not reporting

Five most improved US states

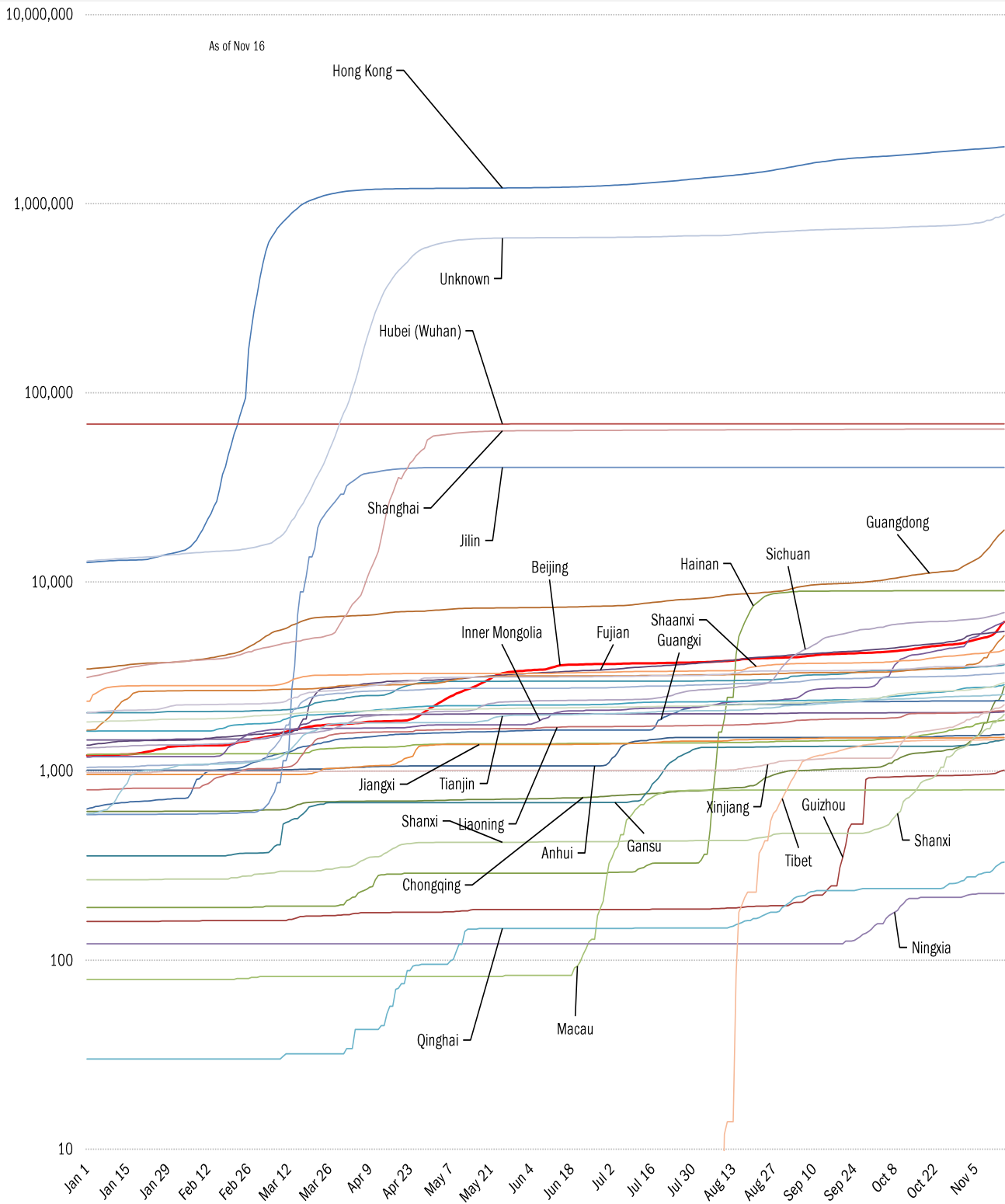
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CT	-456	CO	-17	CA	-111
ME	-221	WV	-3	KY	-66
WY	-67	CT	-2	GA	-63
AR	-24	MS	-2	PA	-63
WV	-1	UT	-2	MD	-56



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"

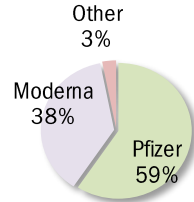


Source: [Johns Hopkins](#), TrendMacro calculations

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

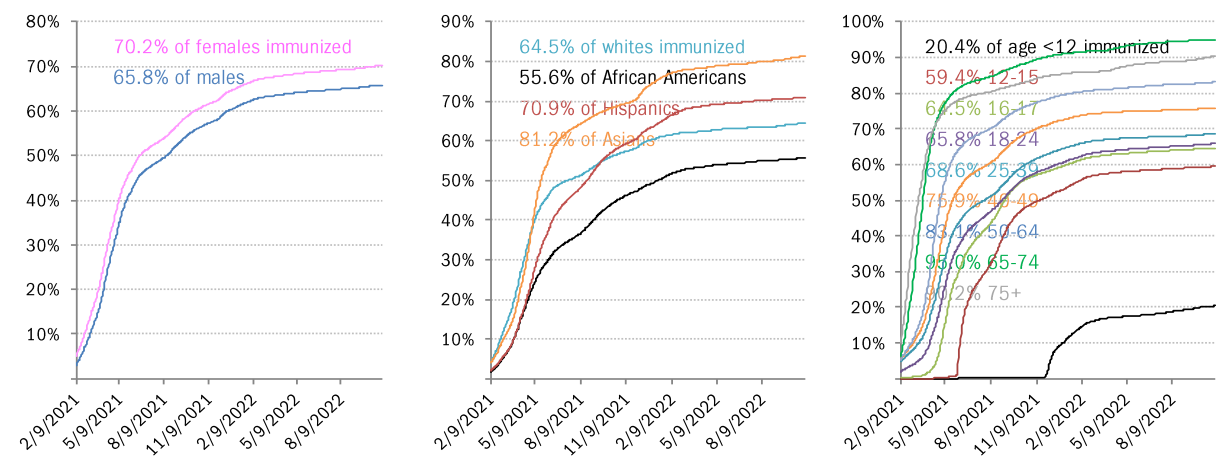
"Immunity" = two doses

Global data differs due to sources, timing

As of Nov 11

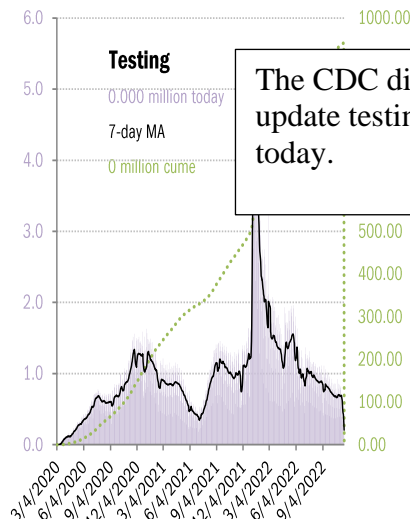
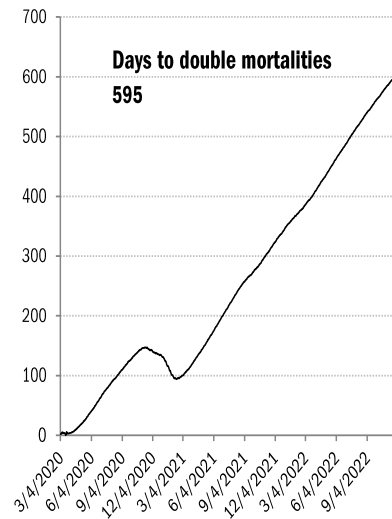
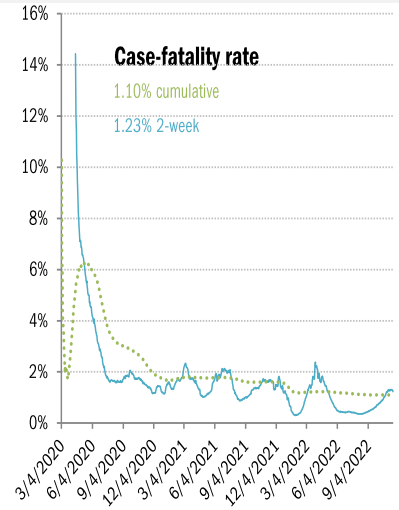
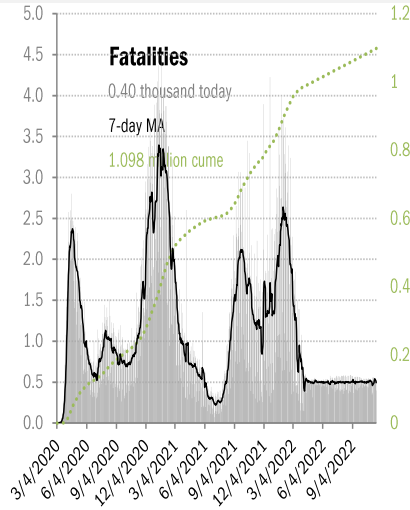
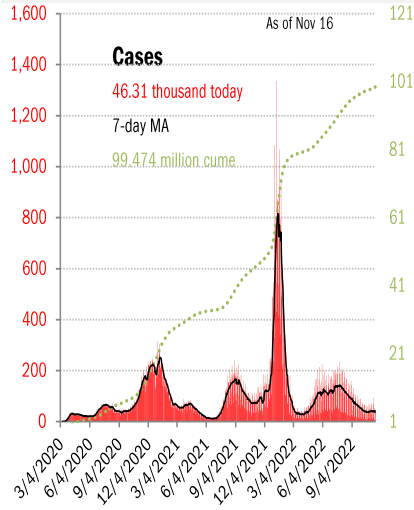
					WI							ME
					74.3%							95.0%
					67.6%							82.4%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
84.2%	63.3%	67.5%	68.5%	77.9%	78.5%	68.9%				93.4%	95.0%	86.2%
75.2%	56.0%	58.6%	57.9%	71.4%	70.7%	61.9%				79.8%	84.4%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
80.5%	78.0%	60.3%	82.3%	70.0%	63.8%	65.2%	89.2%			93.6%	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

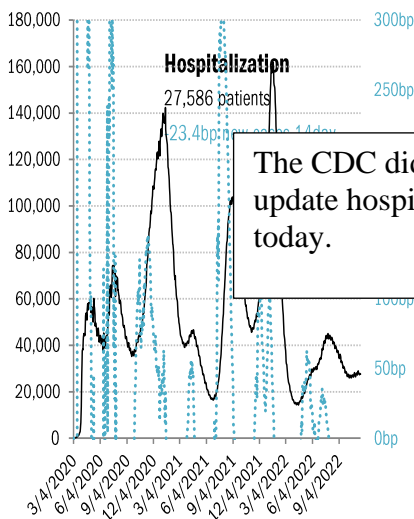
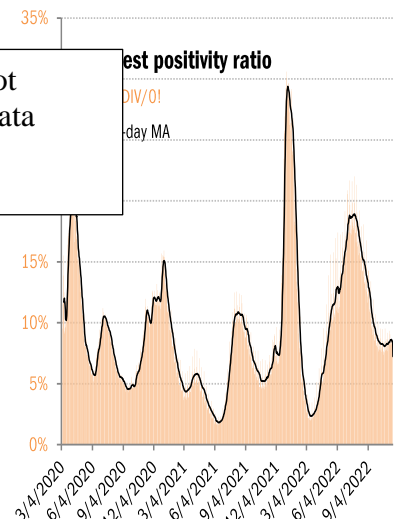


Source: CDC, CDC, Our World in Data, TrendMacro calculations

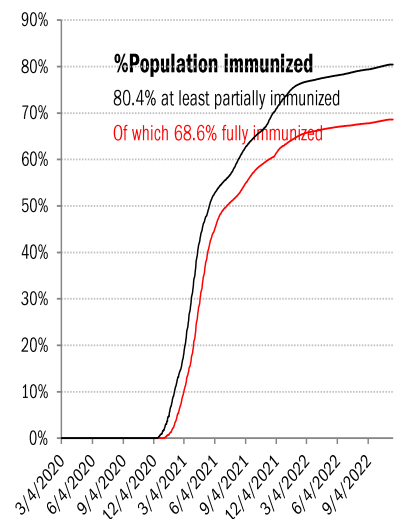
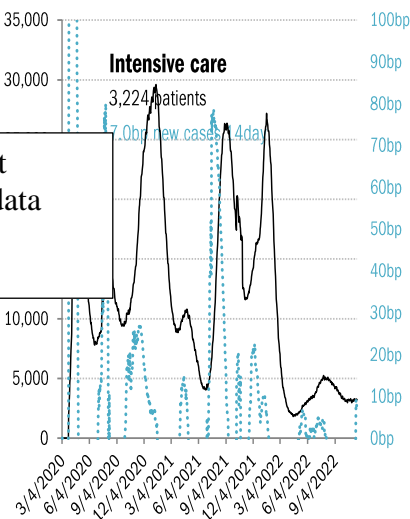
US deep-dive



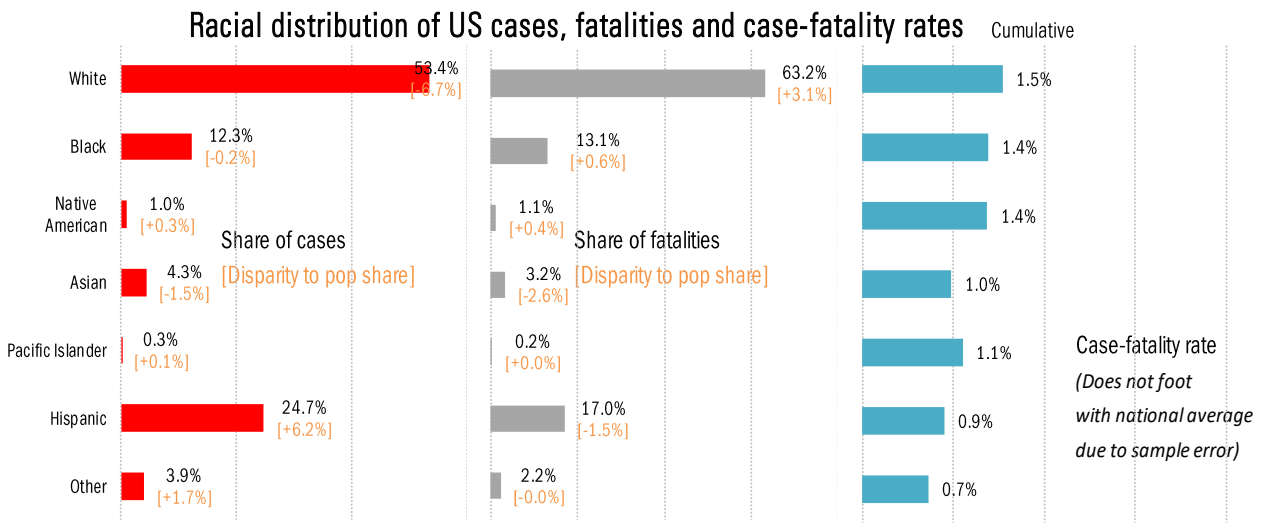
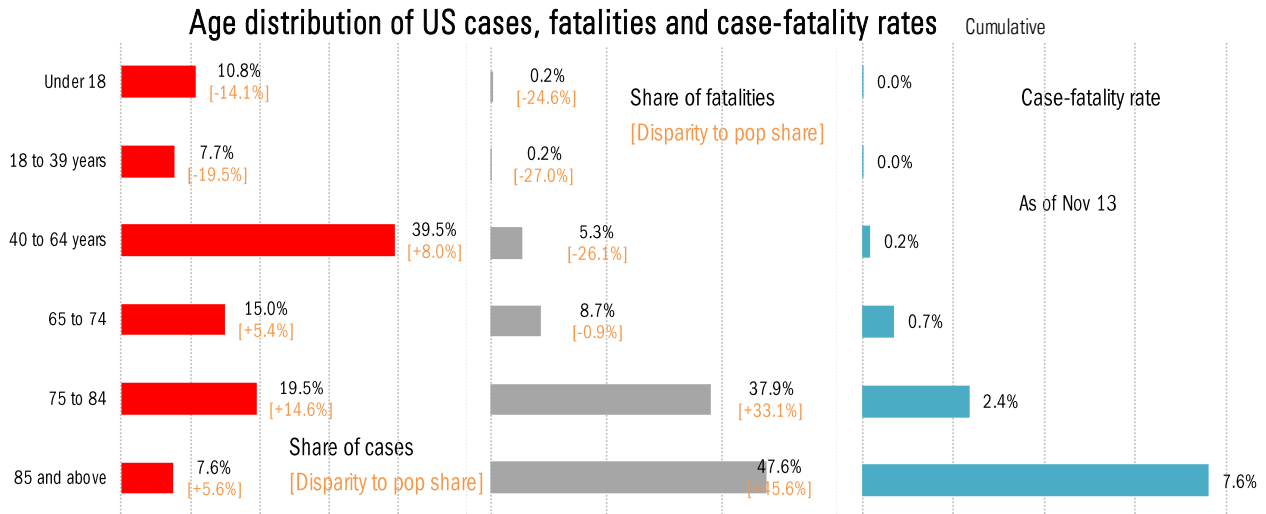
The CDC did not update testing data today.



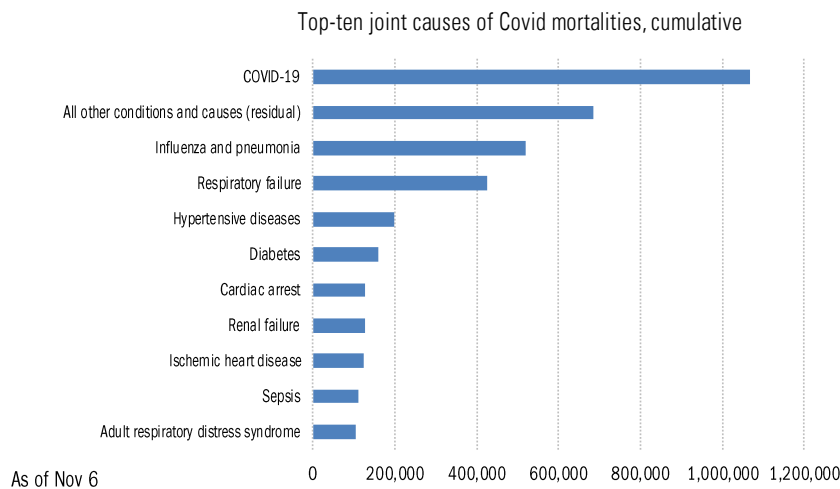
The CDC did not update hospital data today.



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

[A Covid Emergency Surprise](#)

Wall Street Journal

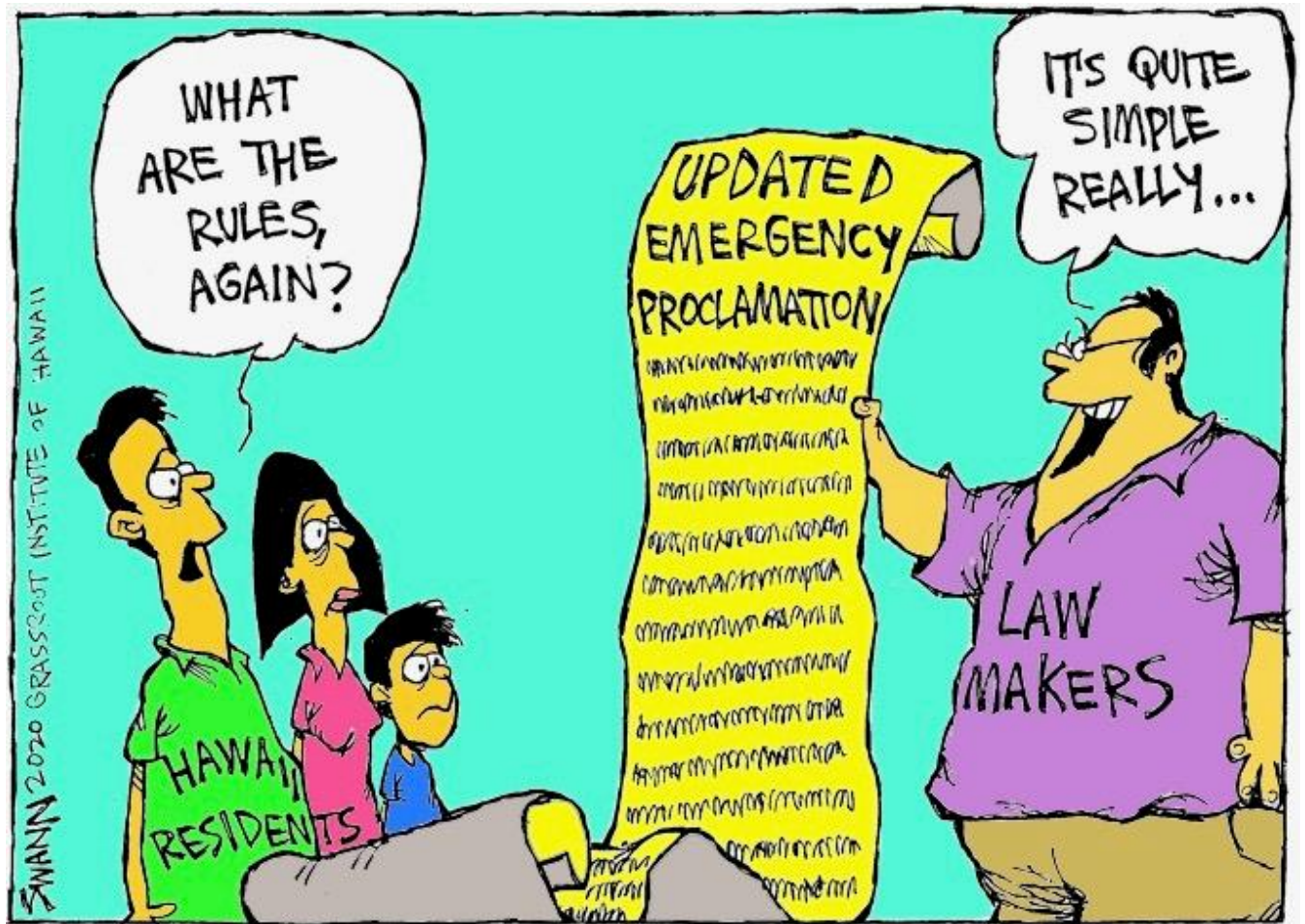
November 16, 2022

[Senate Votes 62-36 To End COVID National Emergency](#)

Committee to Unleash Prosperity Hotline

November 16, 2022

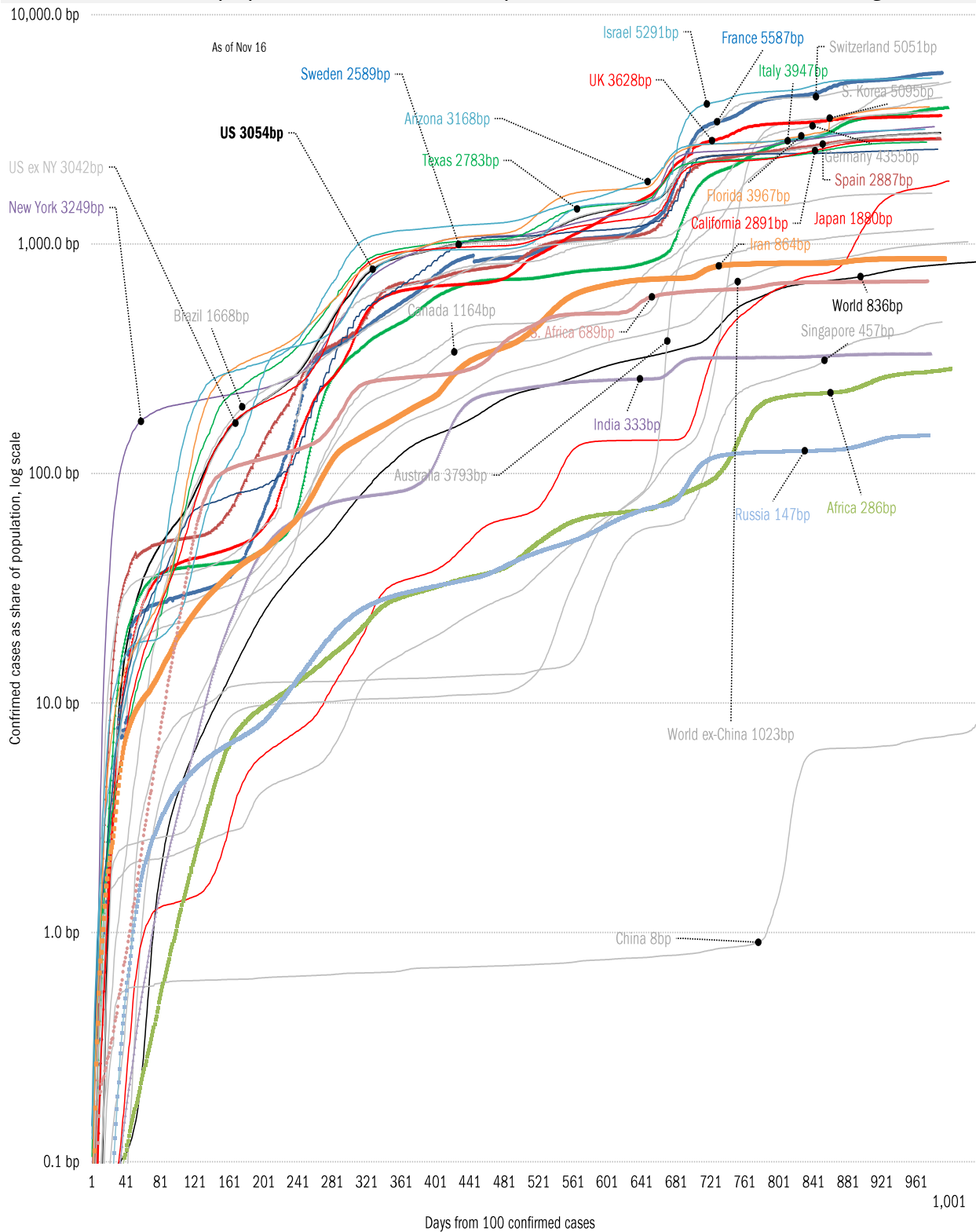
Meme of the day



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

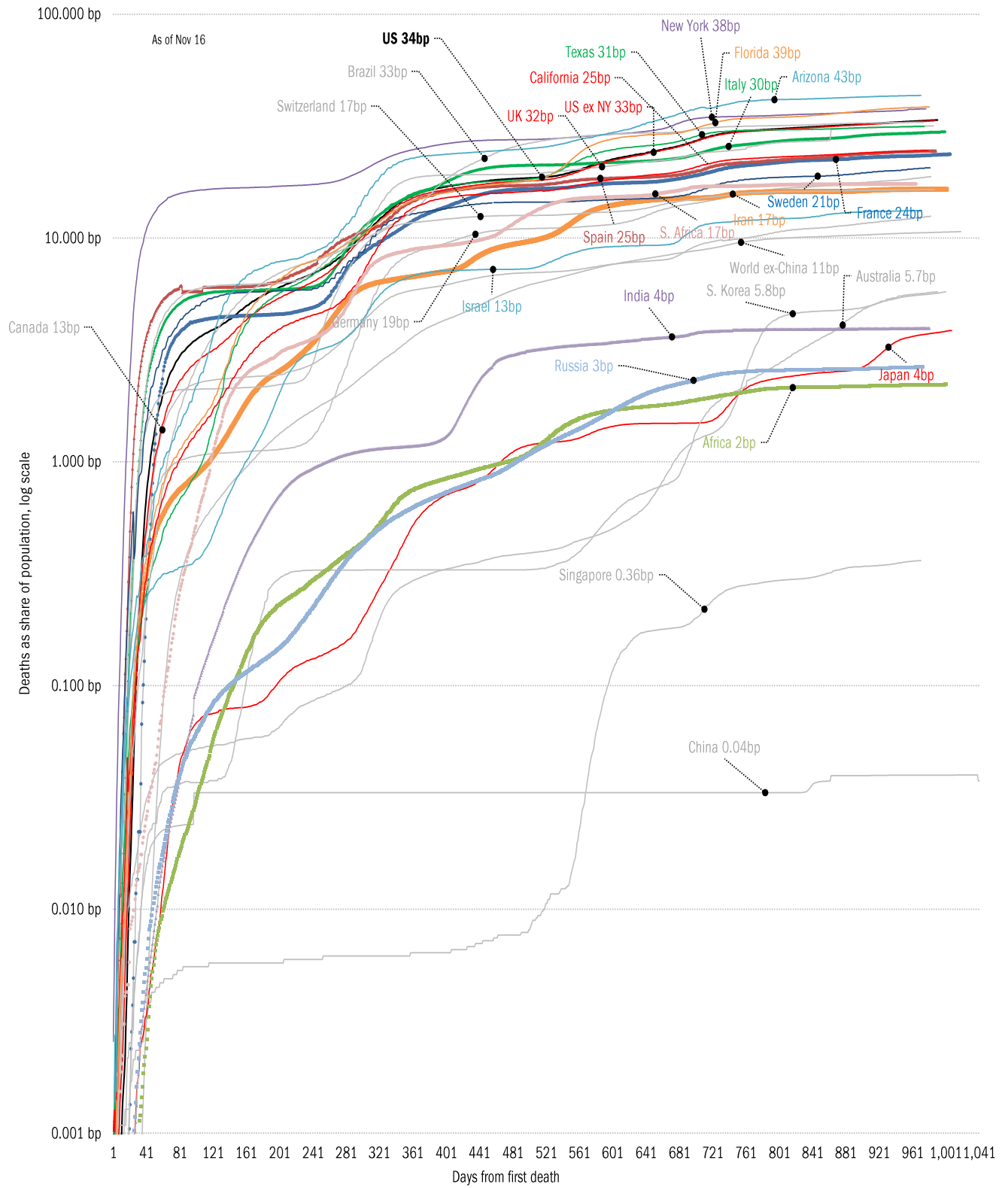
The global coronavirus case accelerometer... tracking the world's infection curves

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

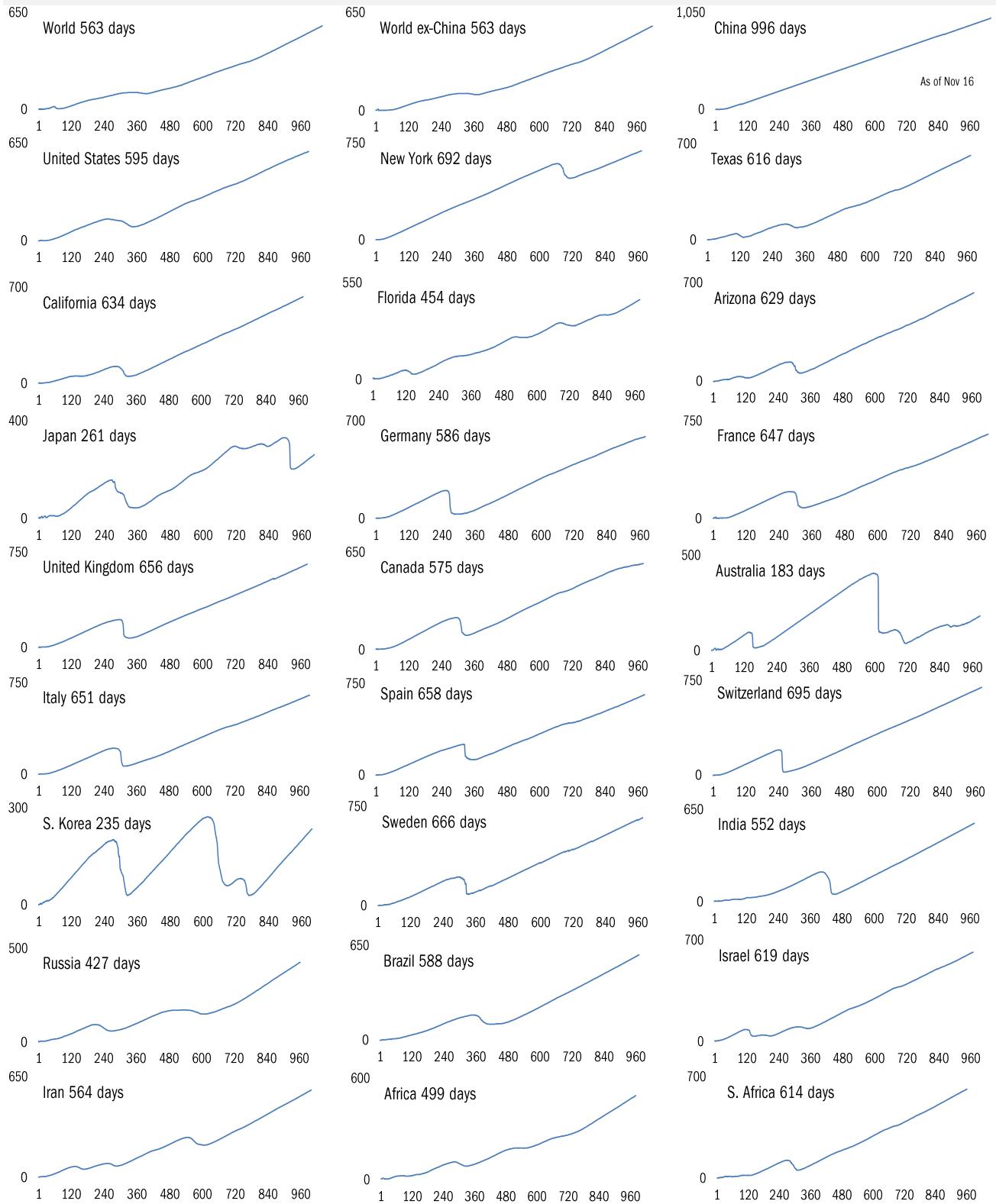


Source: [Johns Hopkins](#), TrendMacro calculations

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

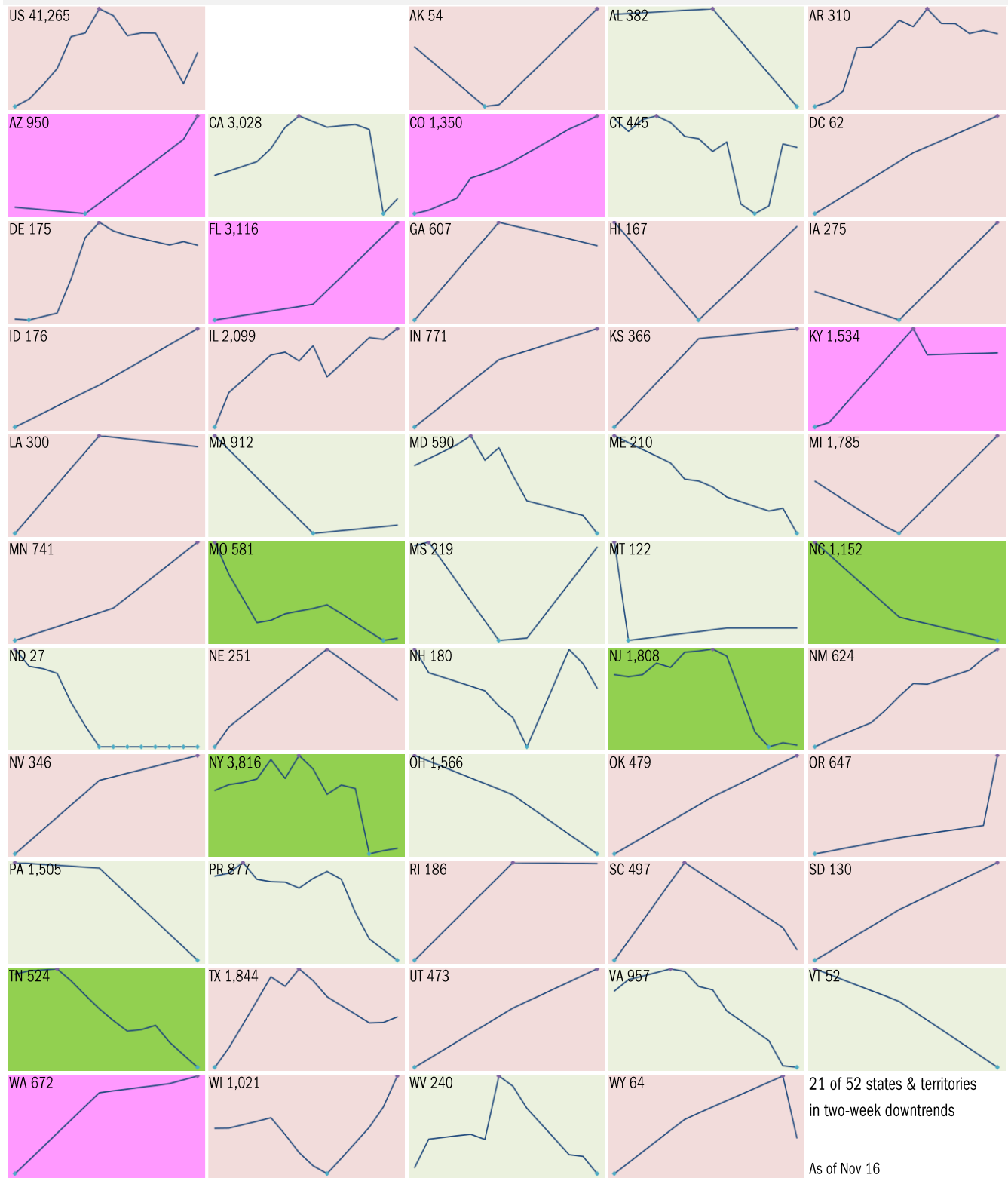


Source: [Johns Hopkins](#), TrendMacro calculations

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

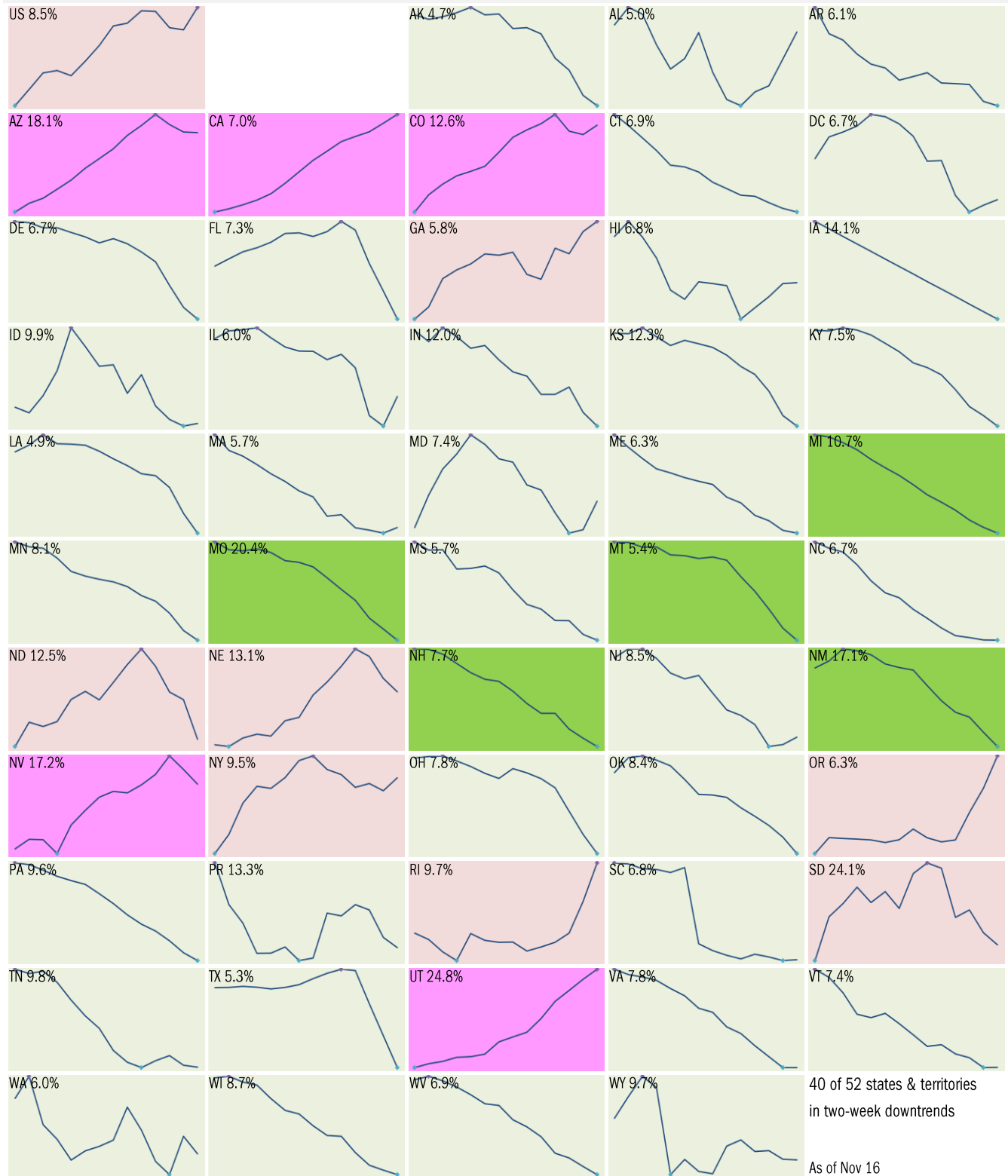


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

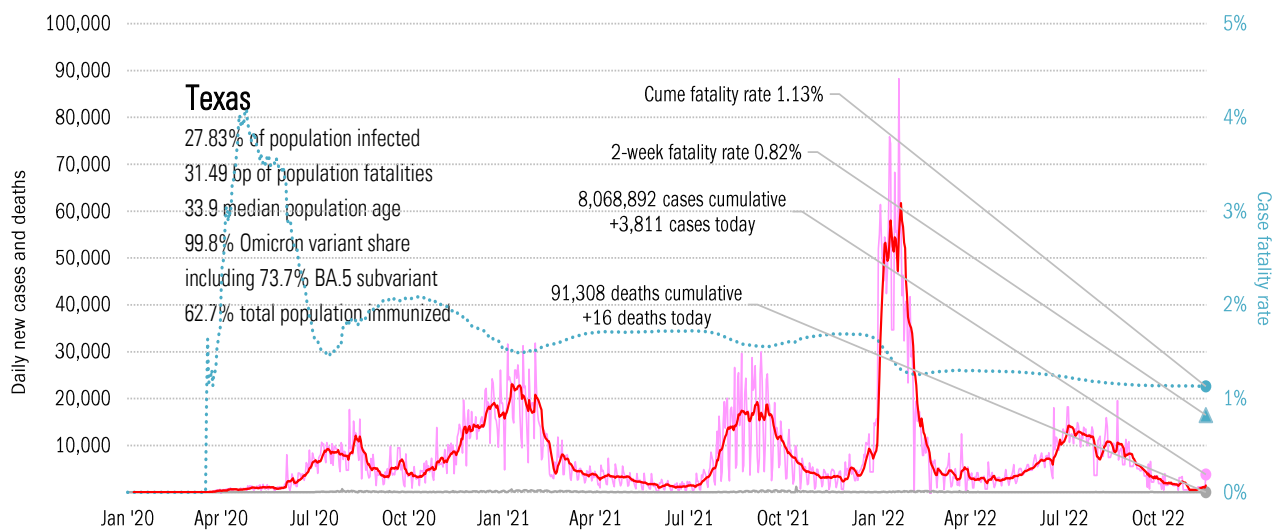
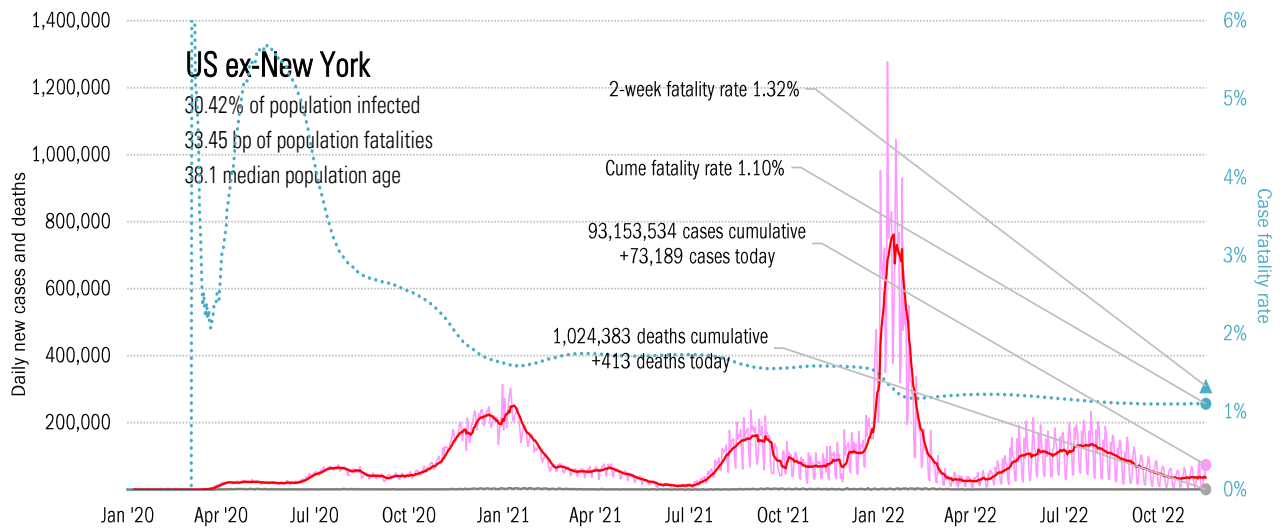
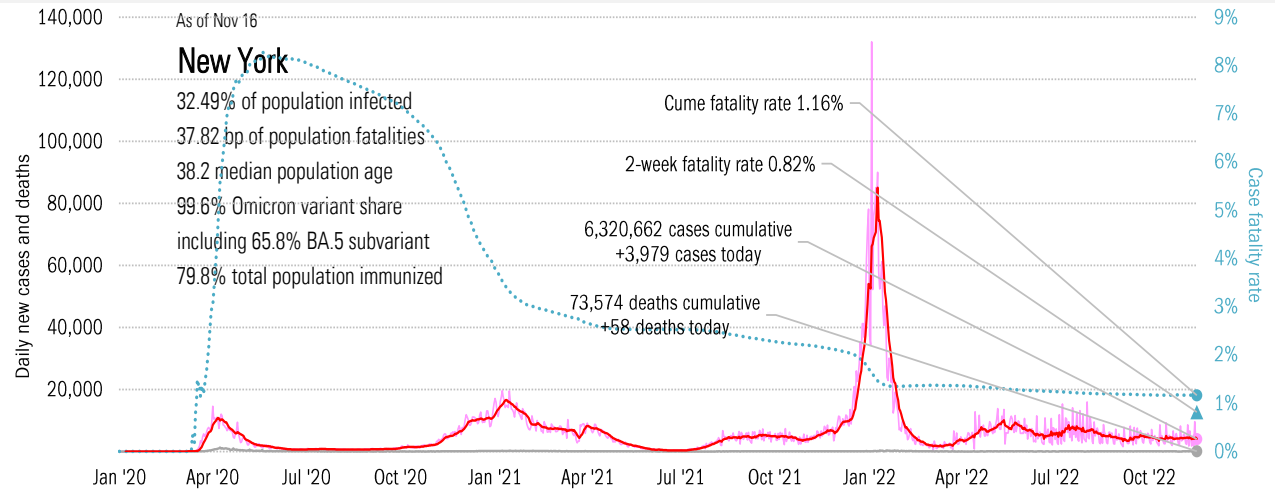
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

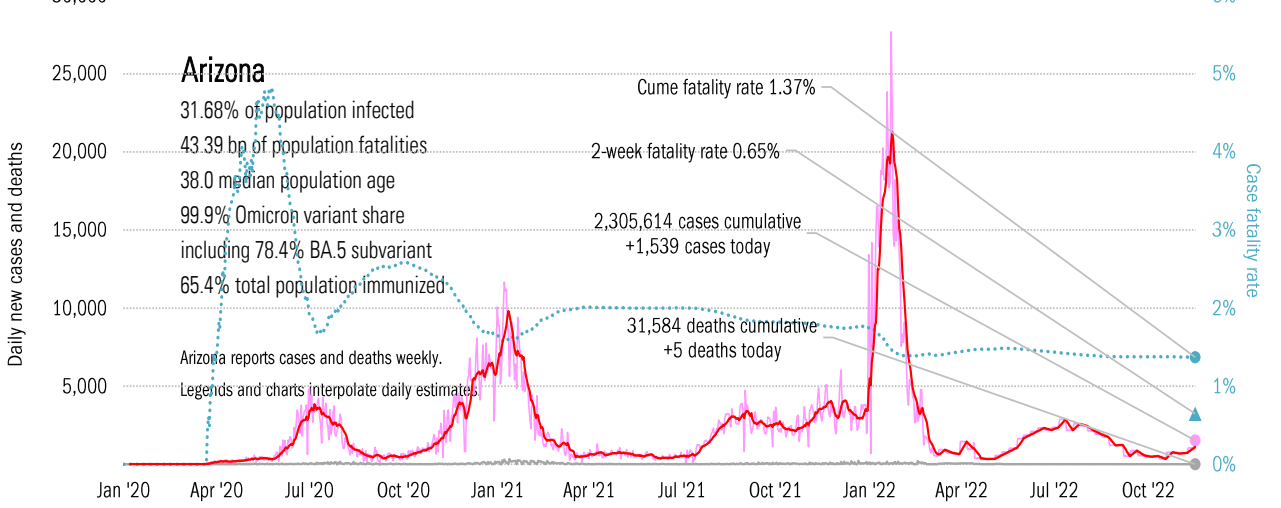
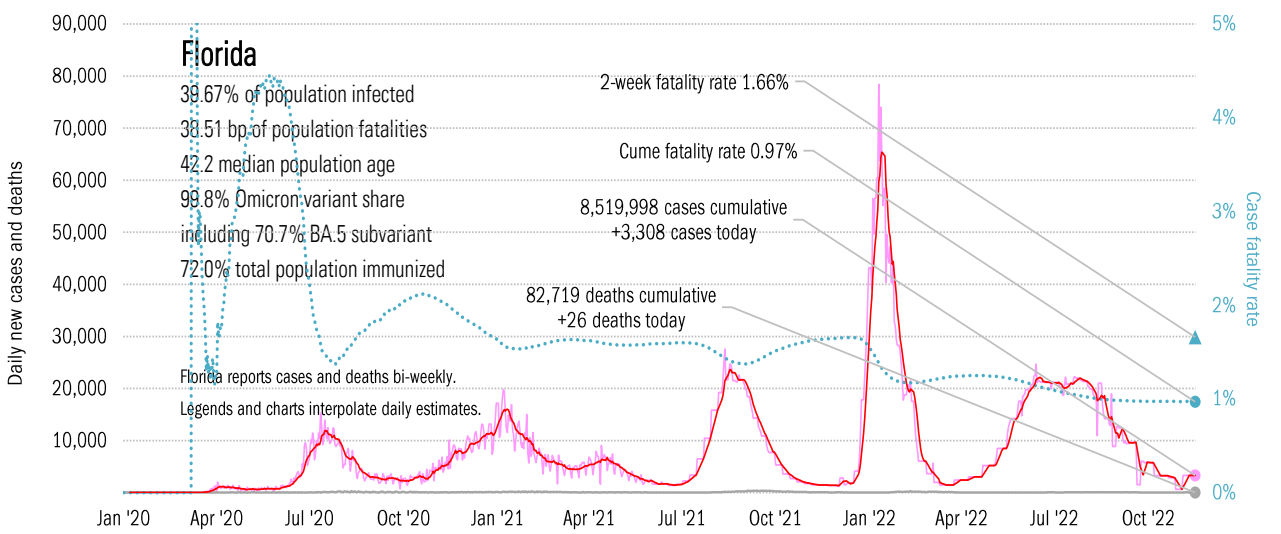
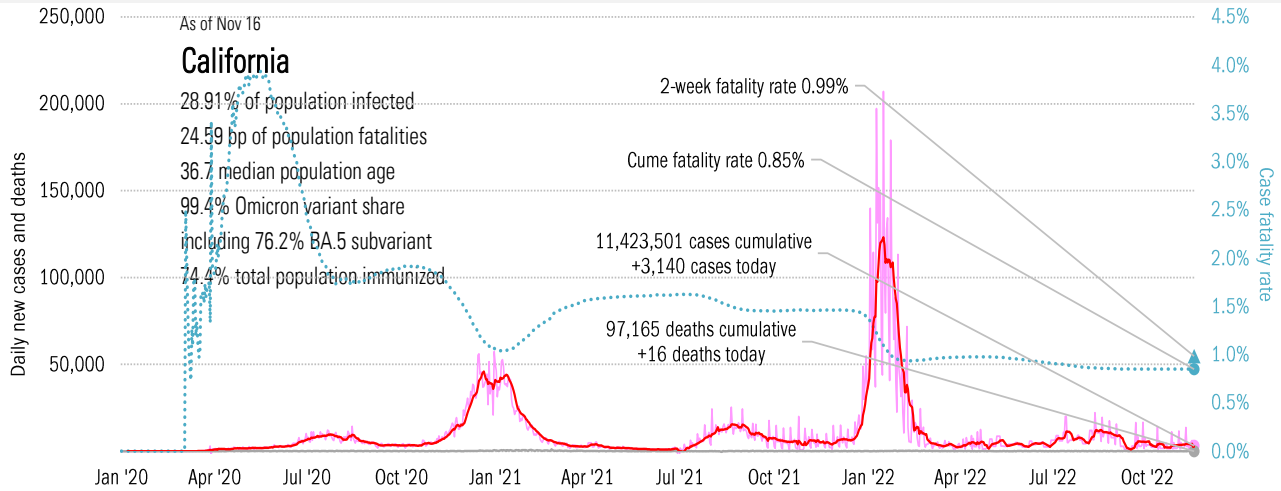
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

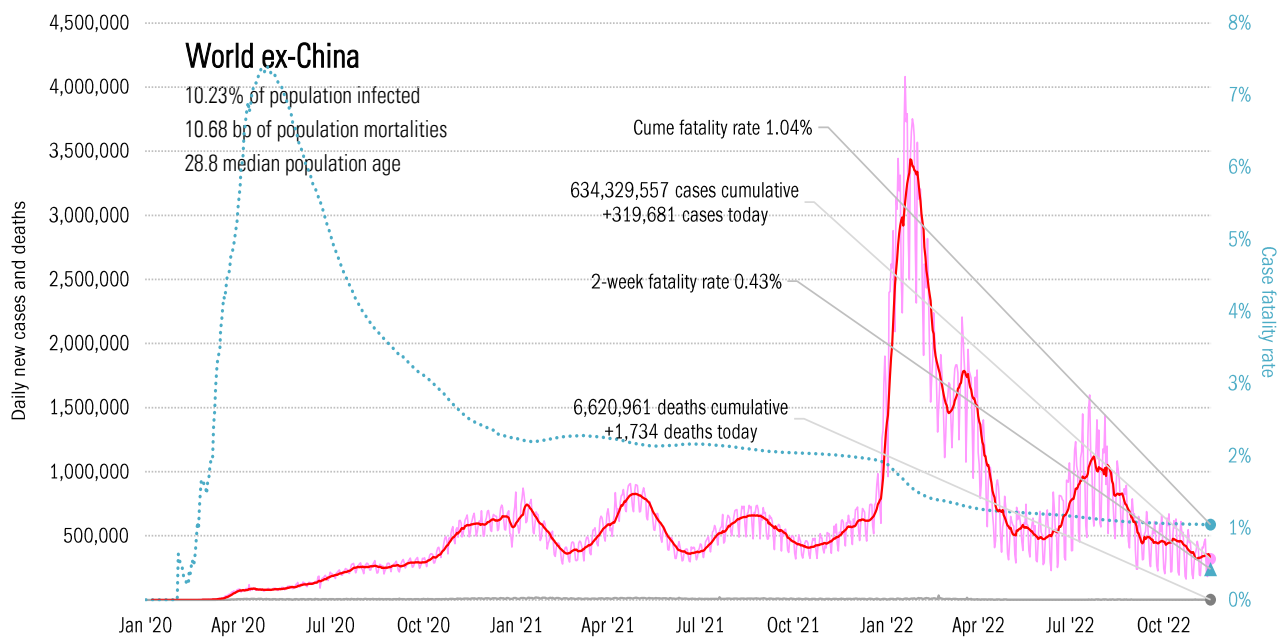
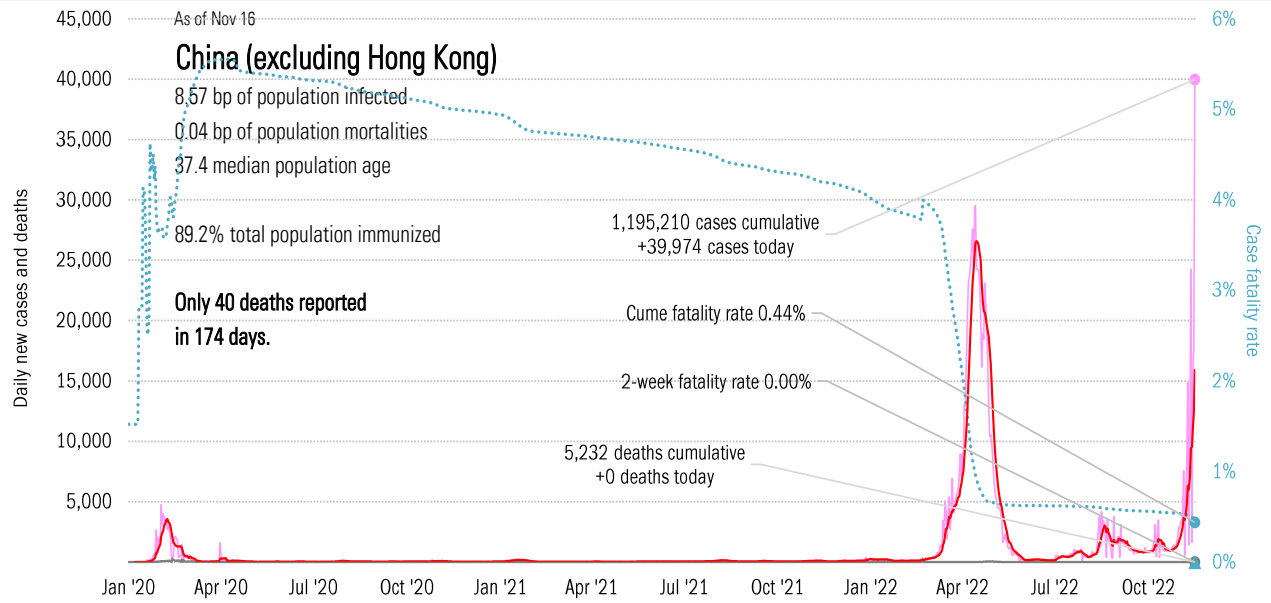
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

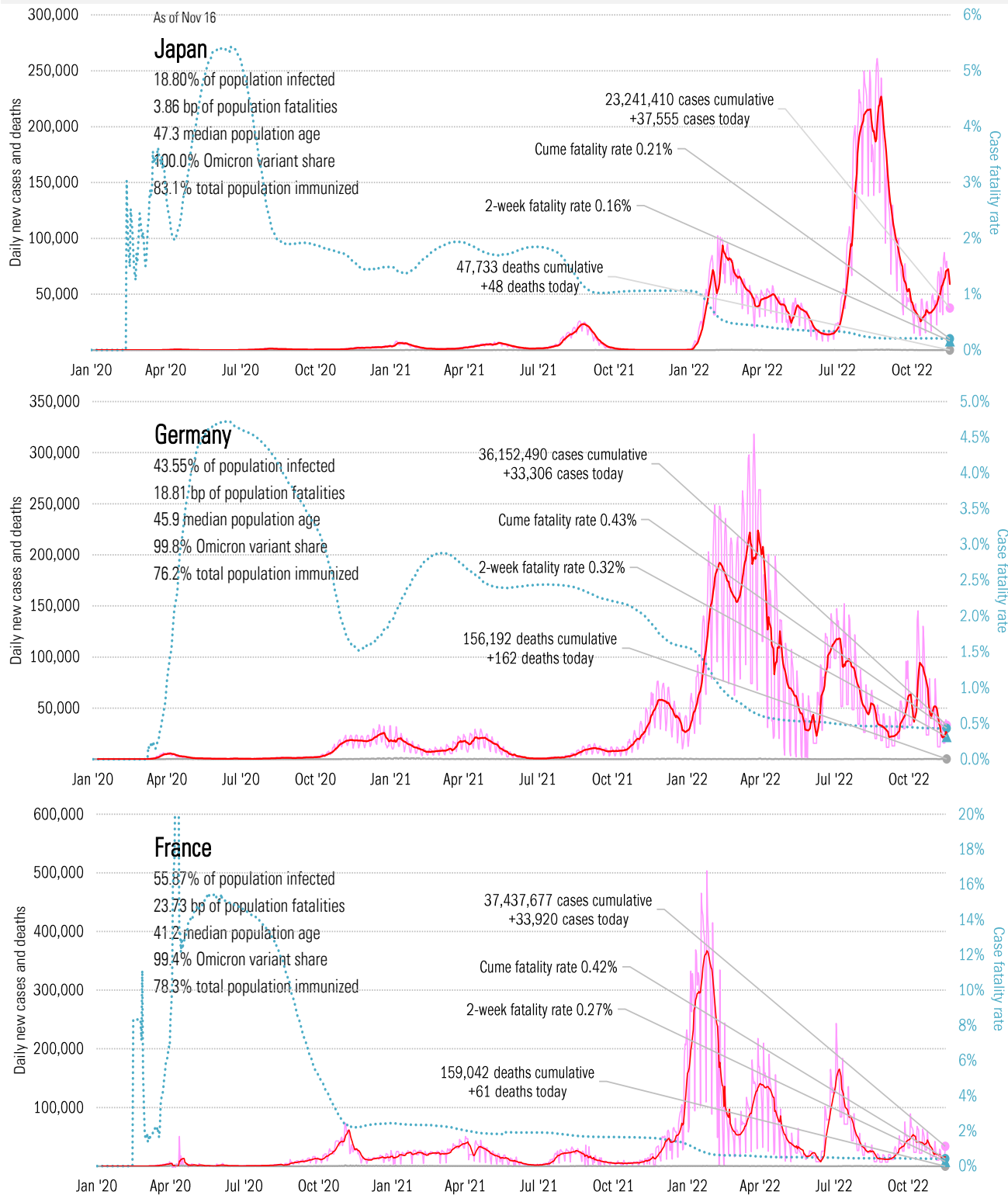
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

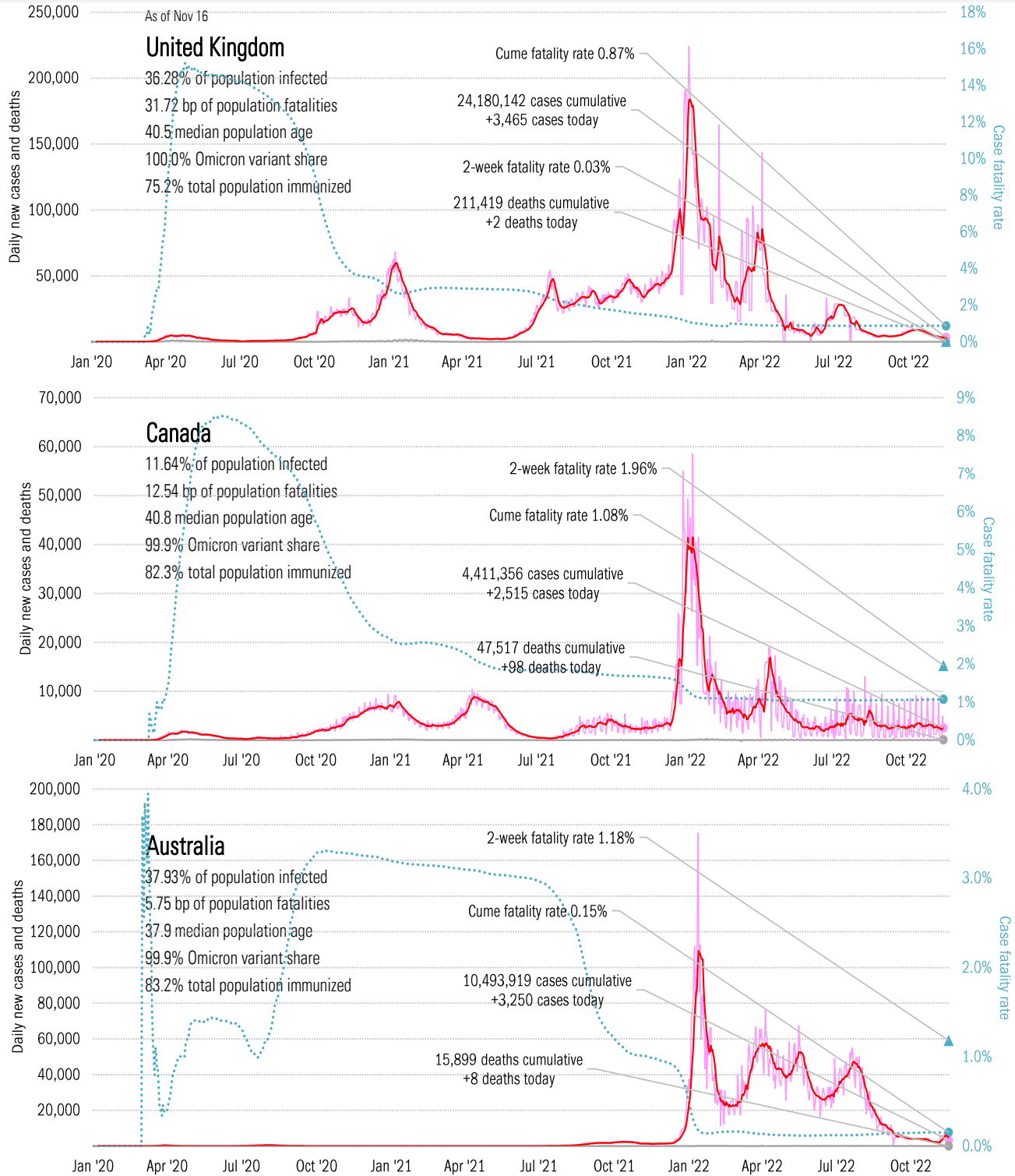
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

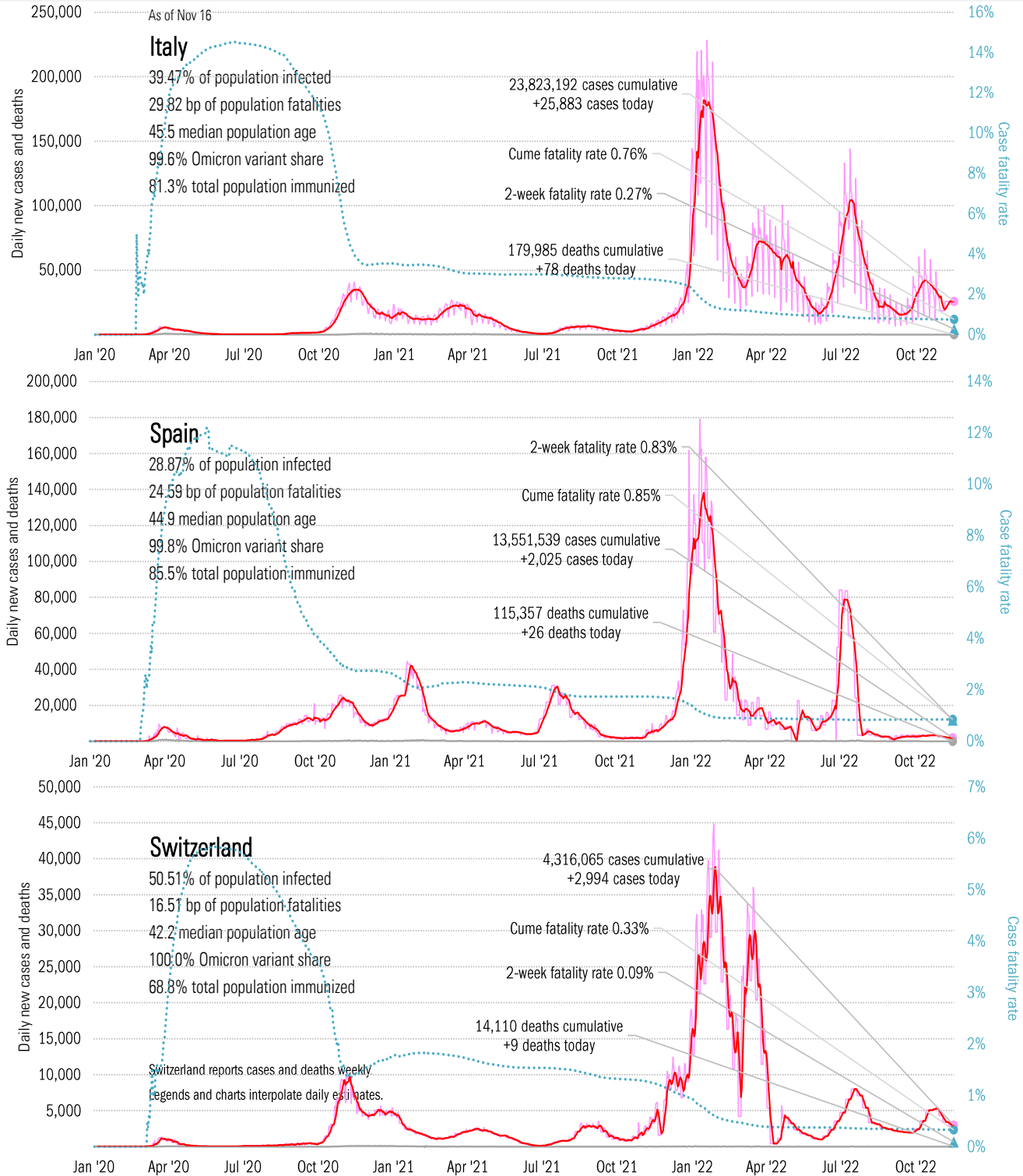
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

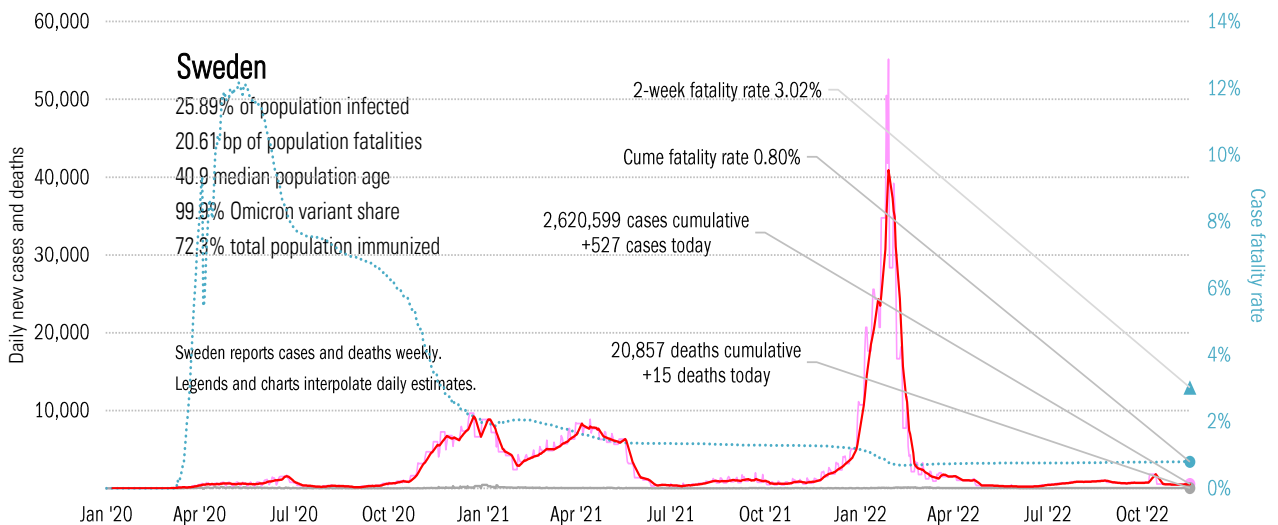
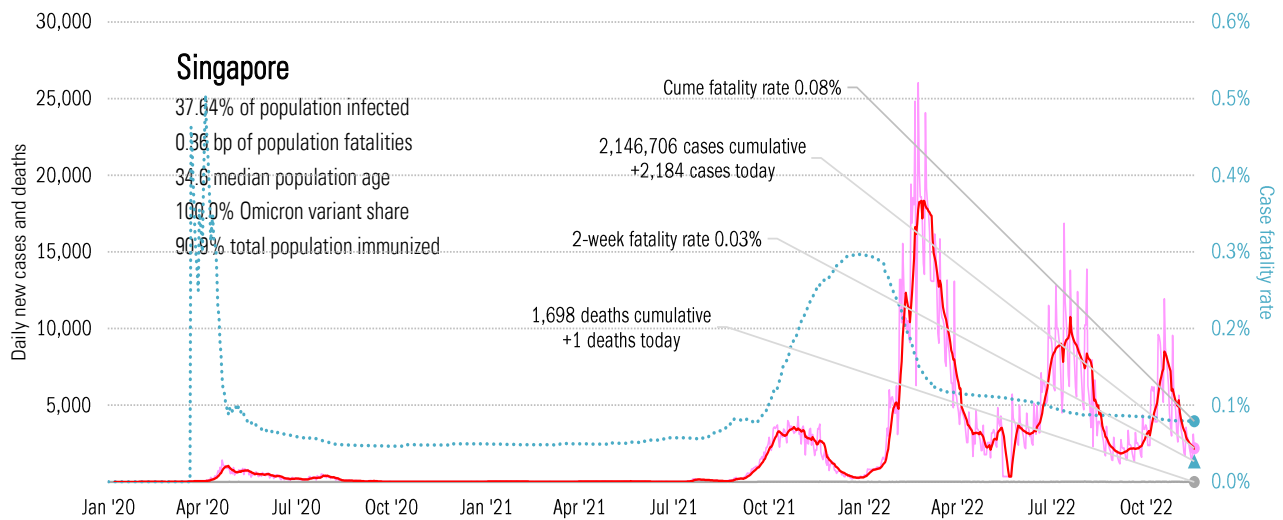
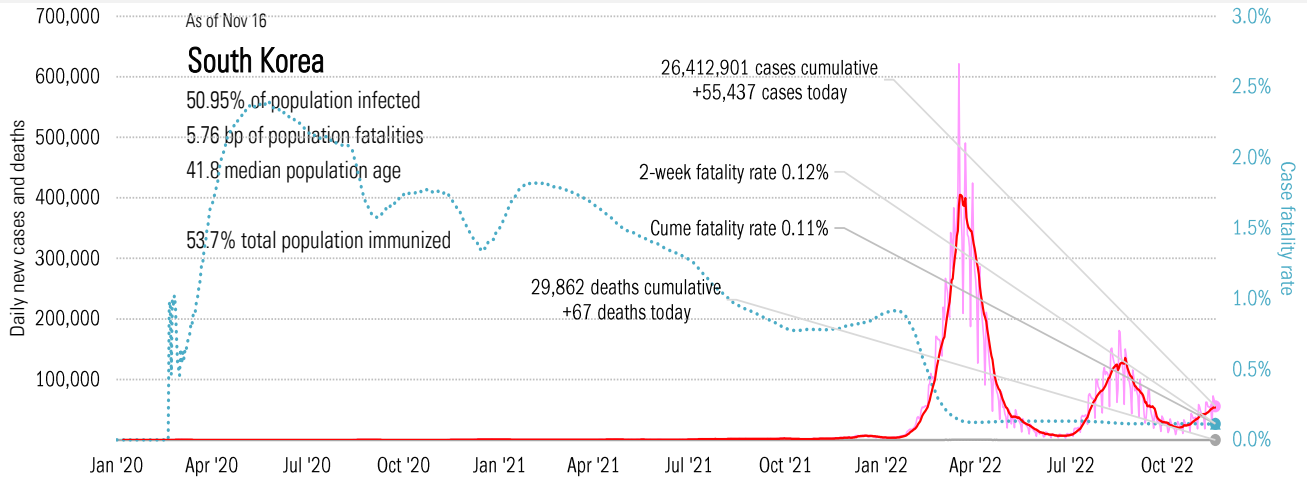
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

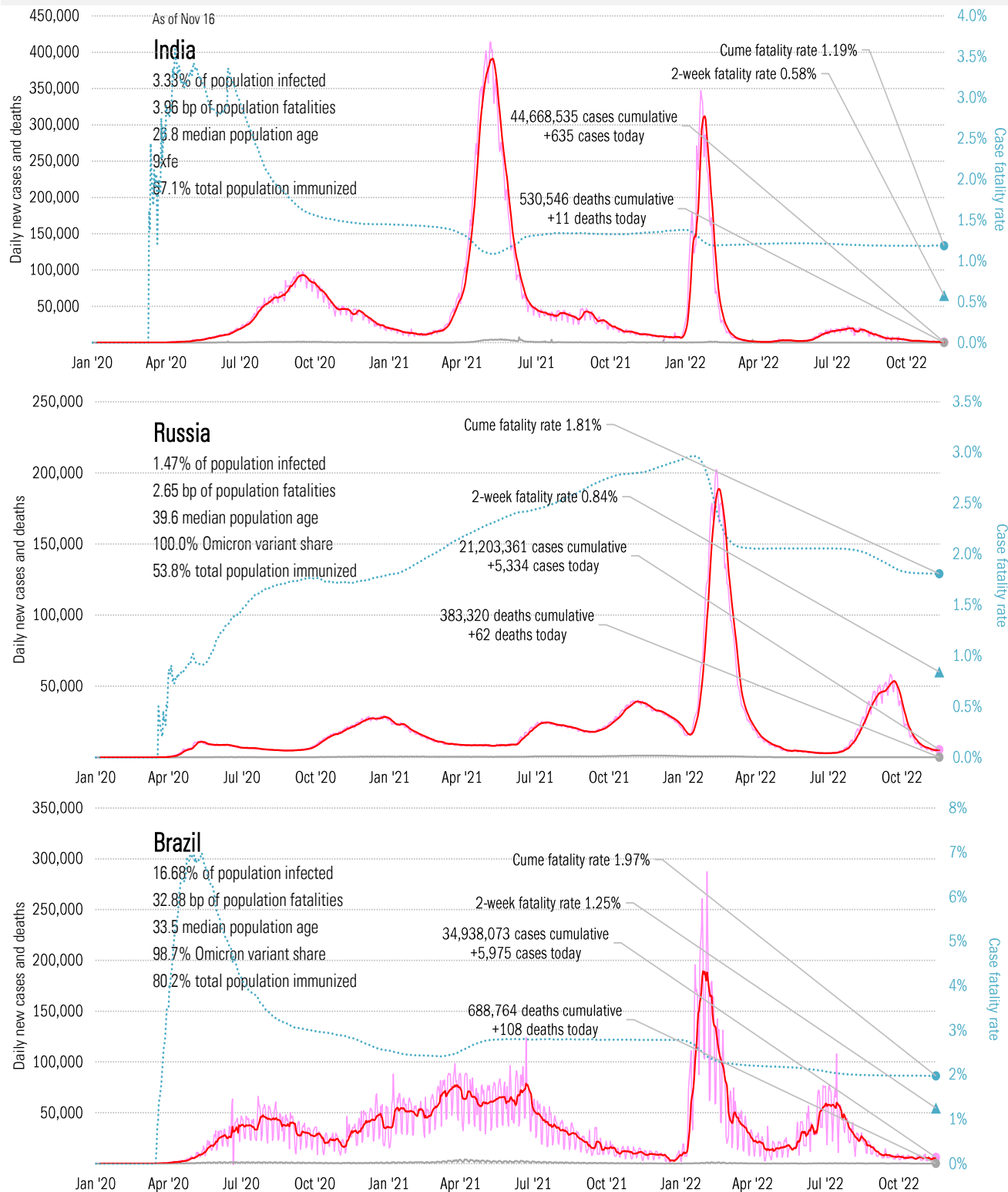
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

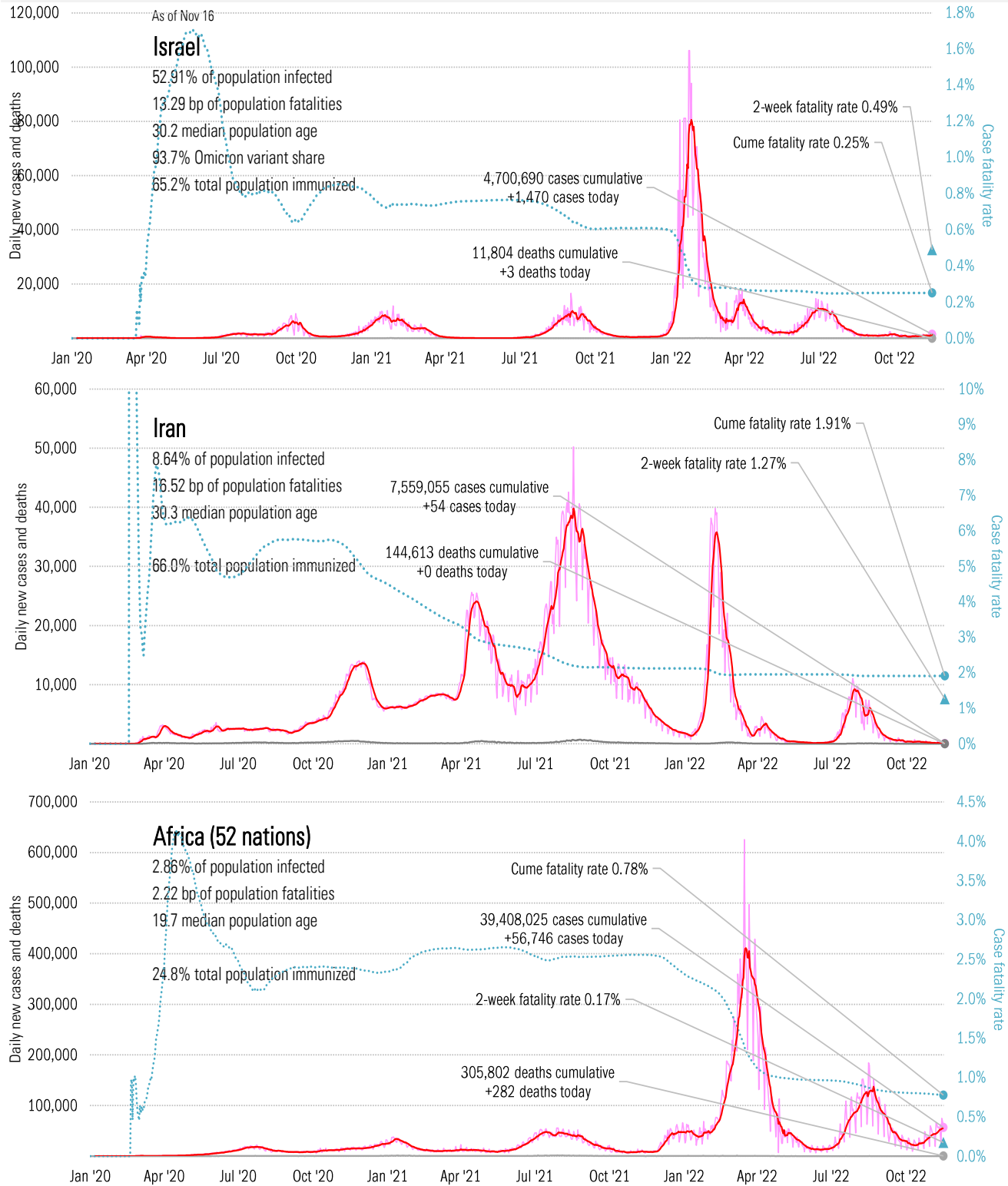
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

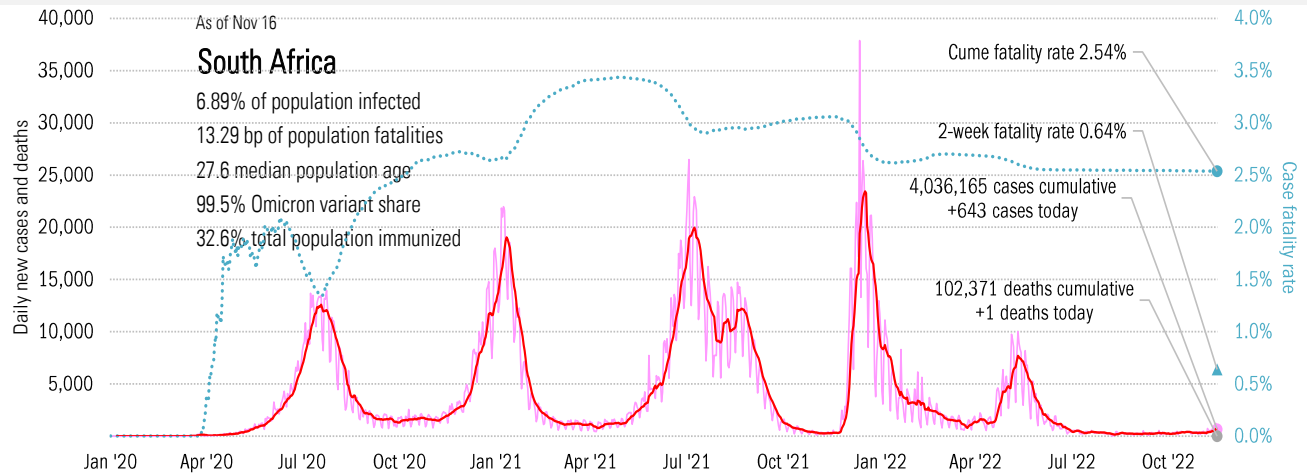
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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