

Data Insights: Covid-2019 Monitor

Saturday, November 12, 2022

The global scorecard

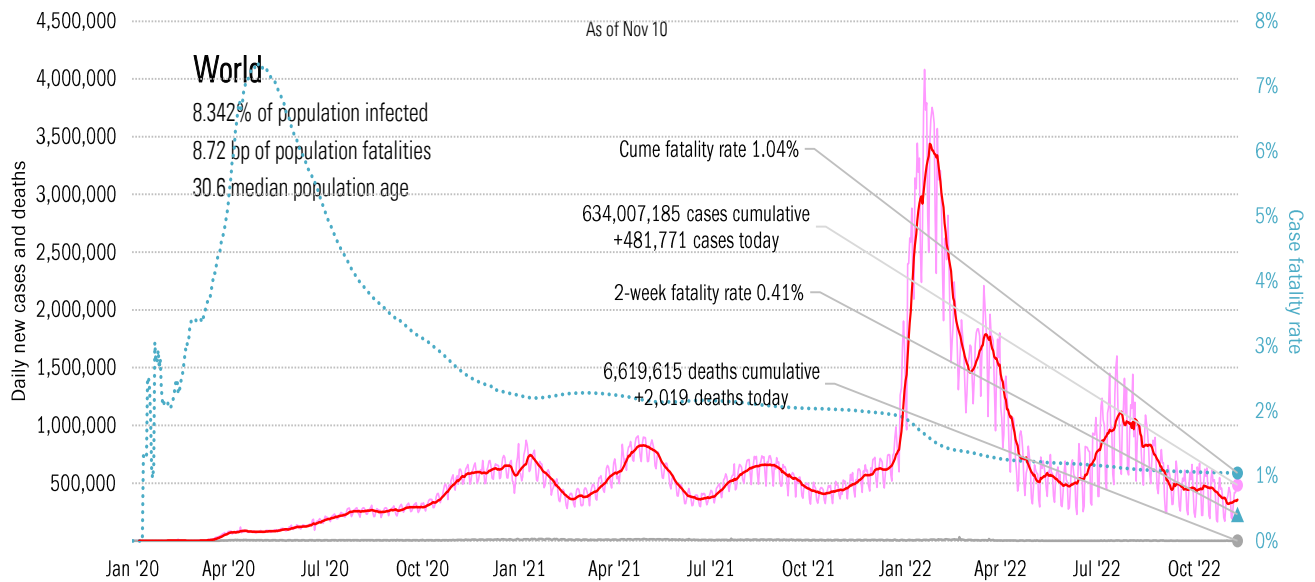
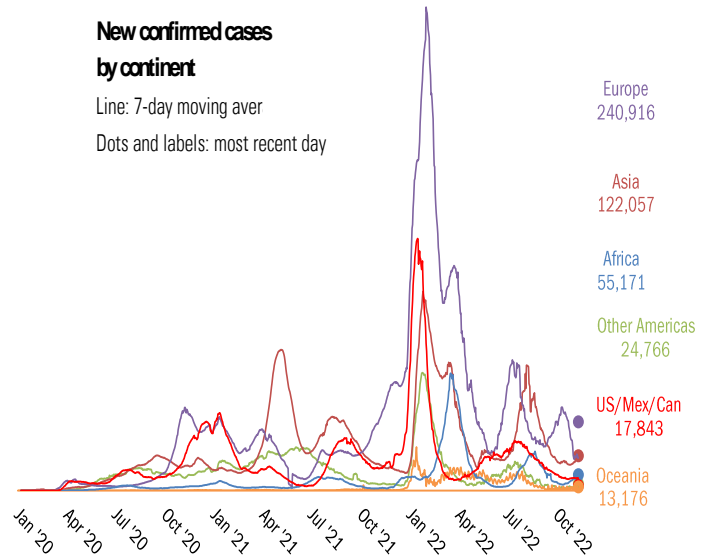
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	78,577	United Kingdom	734
Korea, South	54,519	United States	364
United States	41,321	Germany	216
Brazil	34,084	Brazil	212
Germany	33,703	Finland	172
Australia	28,958	Canada	153
France	27,068	Sweden	104
United Kingdom	24,253	Japan	100
Taiwan*	22,320	Taiwan*	66
Finland	11,930	Russia	59
356,733		2,180	
World	452,326	World	2,744
Top ten	79%	Top ten	79%

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

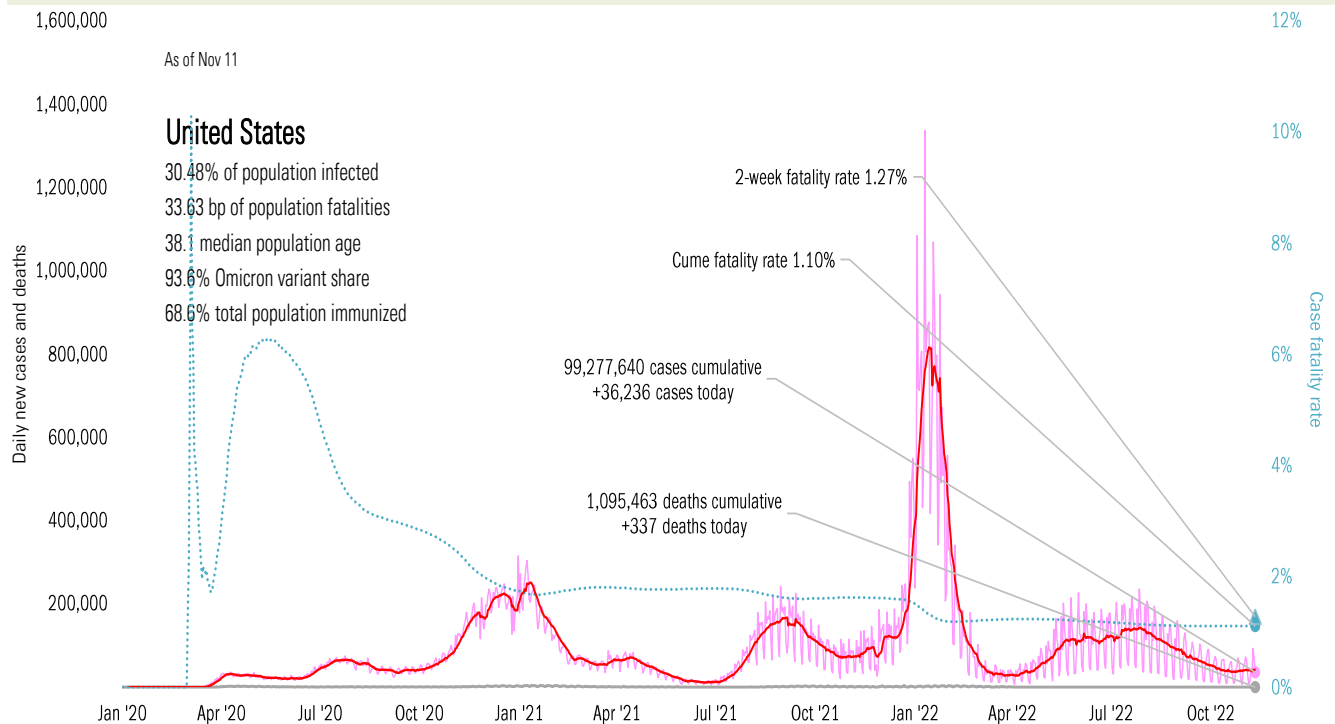
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use			
FL	3,308		CA	72		GA	126		CA	11,412,662		CA	97,106		TX	562,386		RI	90%		VT	87%	
IL	2,186		FL	26		AZ	108		FL	8,503,458		TX	91,256		CA	511,118		MA	88%		MA	85%	
NJ	1,815		IL	26		OR	40		TX	8,056,646		FL	82,719		FL	500,798		MN	87%		TX	85%	
NY	1,741		MI	24		NE	28		NY	6,298,039		NY	73,434		NY	314,331		WA	86%		NM	85%	
PA	1,653		PA	22		KS	40		IL	3,834,924		PA	47,994		GA	228,865		GA	86%		AK	85%	
KY	1,611		NY	17		UT	33		PA	3,330,062		GA	40,803		CH	224,919		MO	85%		AL	84%	
CH	1,552		GA	15		NC	79		NC	3,255,540		CH	40,289		PA	211,238		NH	85%		NC	84%	
MI	1,427		MA	15		LA	48		CH	3,208,165		IL	40,109		IL	192,828		DE	85%		GA	83%	
MD	1,350		NJ	14		CO	81		GA	2,929,434		MI	39,574		MI	168,163		WV	84%		RI	82%	
CO	1,305		MD	10		MN	78		MI	2,907,819		NJ	34,986		KY	147,118		MD	83%		KY	82%	
17,949			241			661			53,736,749			588,270			3,051,764								
All states	36,236			337			3,379		All states	99,277,640			1,095,463			5,542,155		All states	70%			67%	
Top ten	50%			72%			20%		Top ten	54%			55%			55%		Median	79%			76%	

Some states not reporting

Five most improved US states

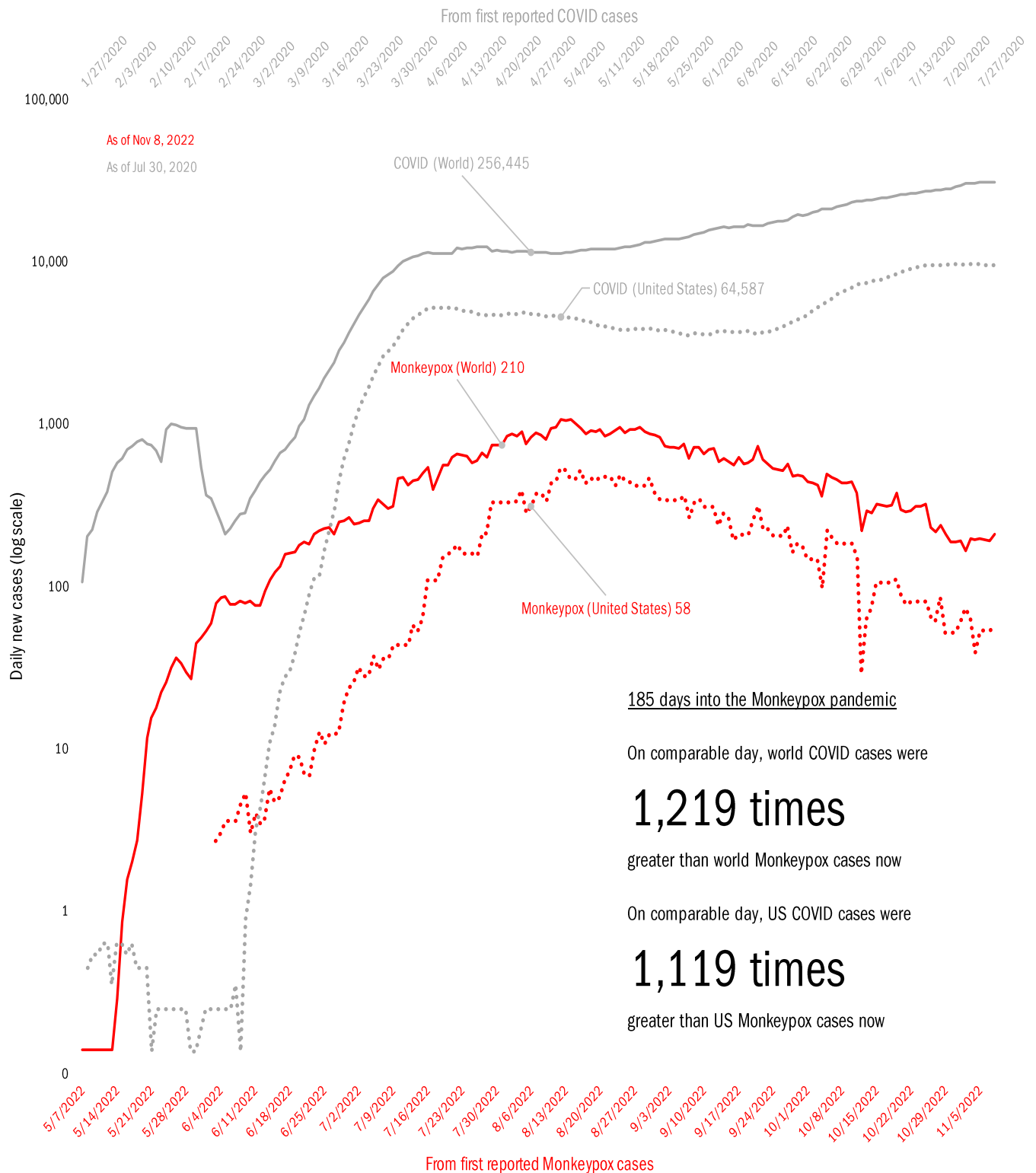
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-3,185	ME	-12	IL	-91
NY	-2,721	CO	-7	CH	-86
TX	-484	RI	-3	NY	-44
NJ	-320	OR	-2	TN	-29
CO	-166	NM	-2	SC	-22



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

The Monkeypox contextualizer

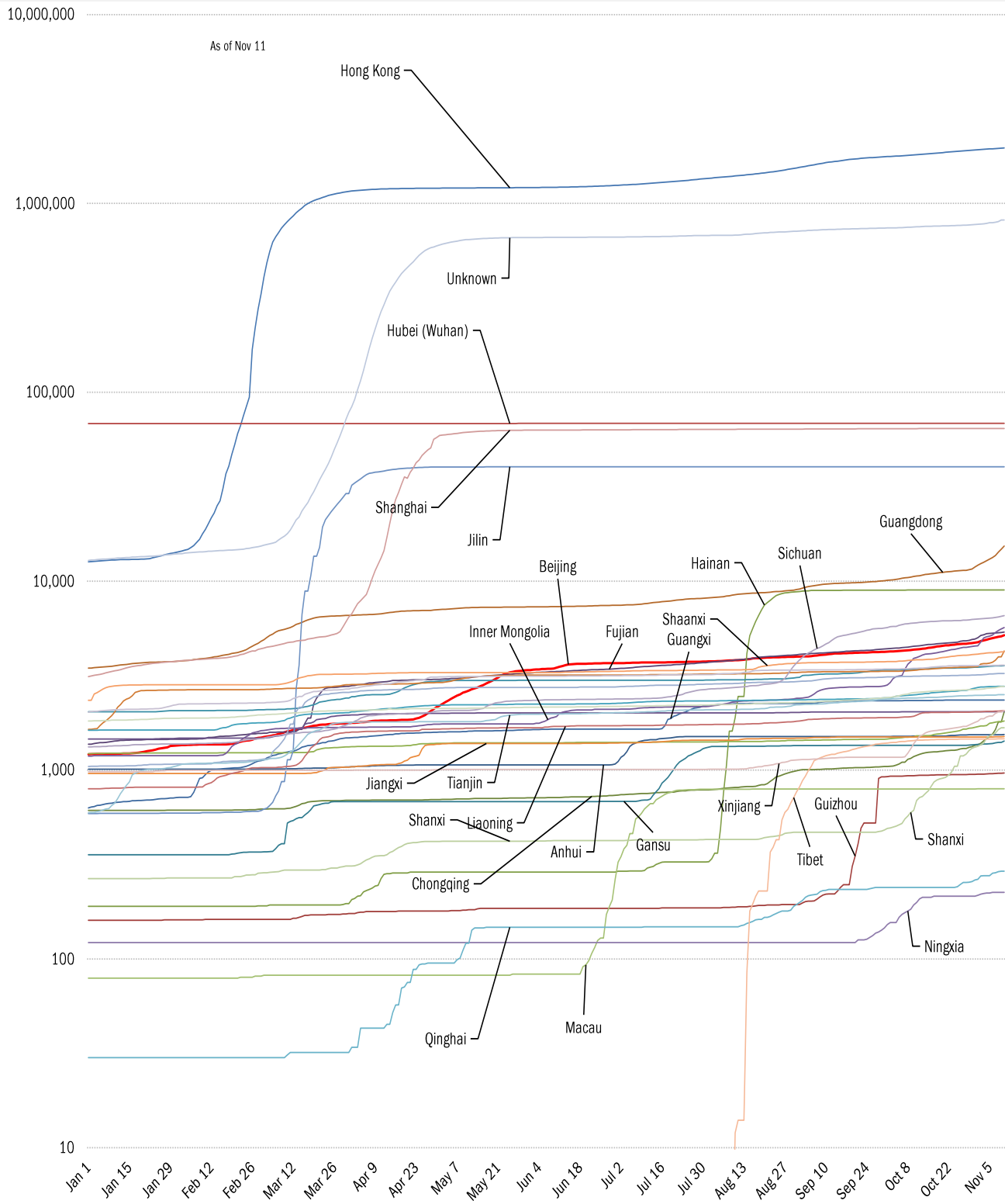
The course of case growth versus COVID



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"

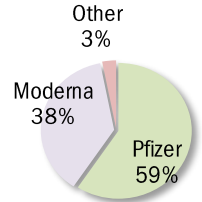


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	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

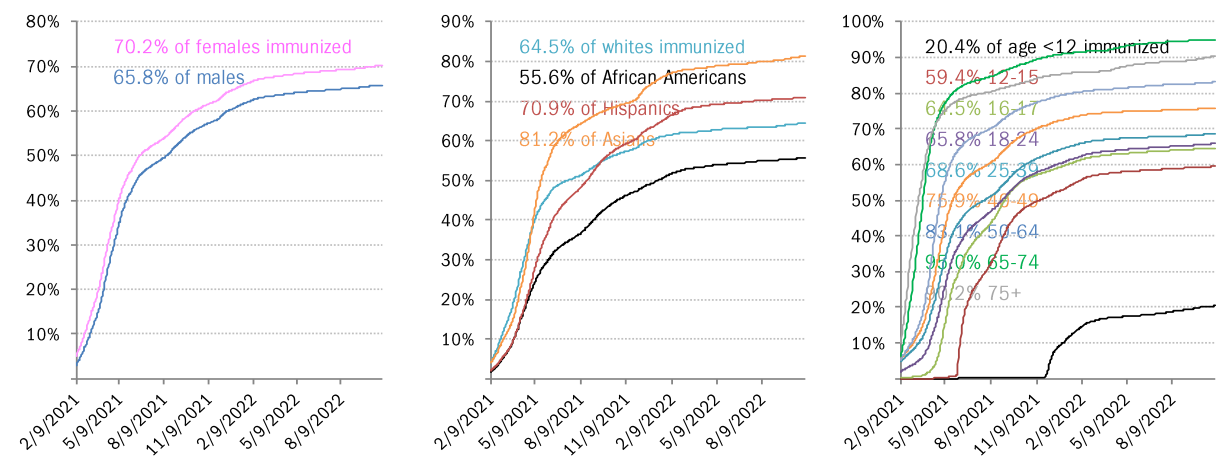
"Immunity" = two doses

Global data differs due to sources, timing

As of Nov 11

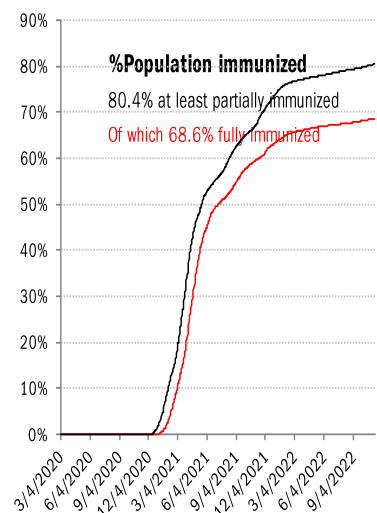
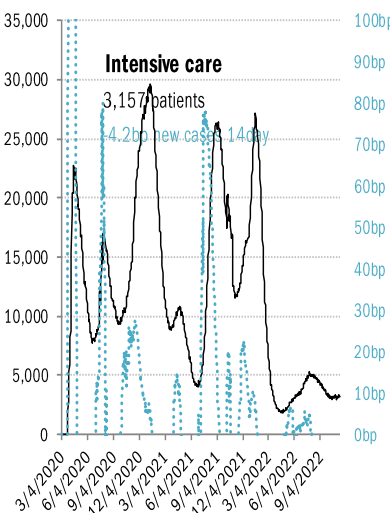
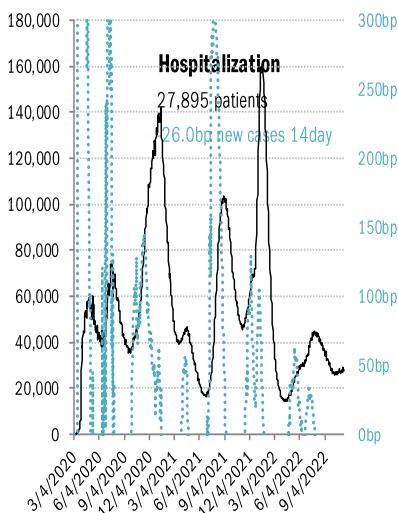
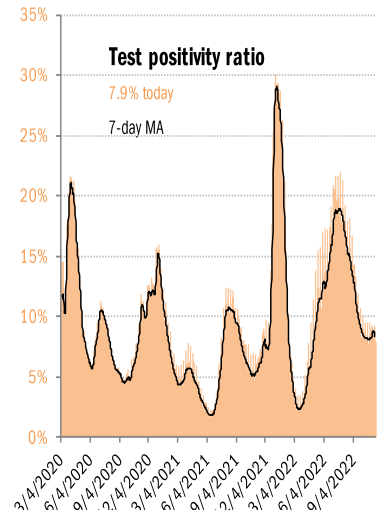
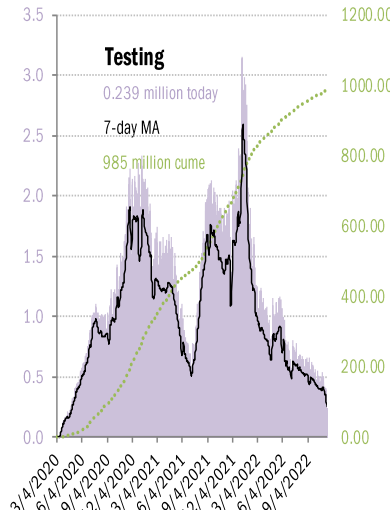
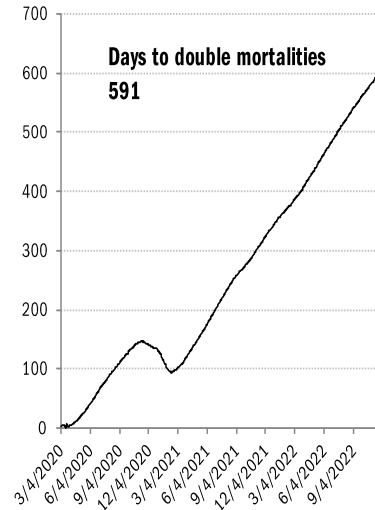
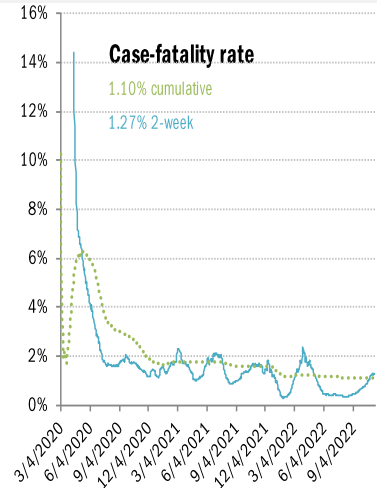
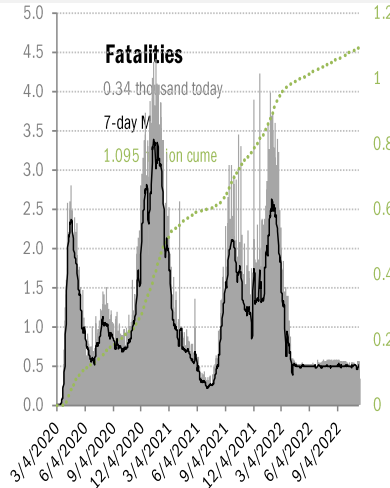
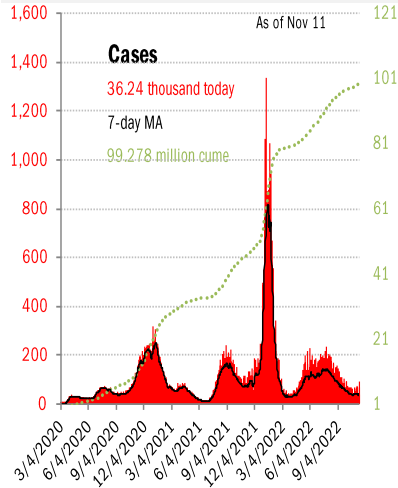
					WI						ME
					74.3%						95.0%
					67.6%						82.4%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
84.2%	63.3%	67.5%	68.5%	77.9%	78.5%	68.9%			93.4%	95.0%	86.2%
75.2%	56.0%	58.6%	57.9%	71.4%	70.7%	61.9%			79.8%	84.4%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
80.5%	78.0%	60.3%	82.3%	70.0%	63.8%	65.2%	89.2%	93.6%	95.0%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

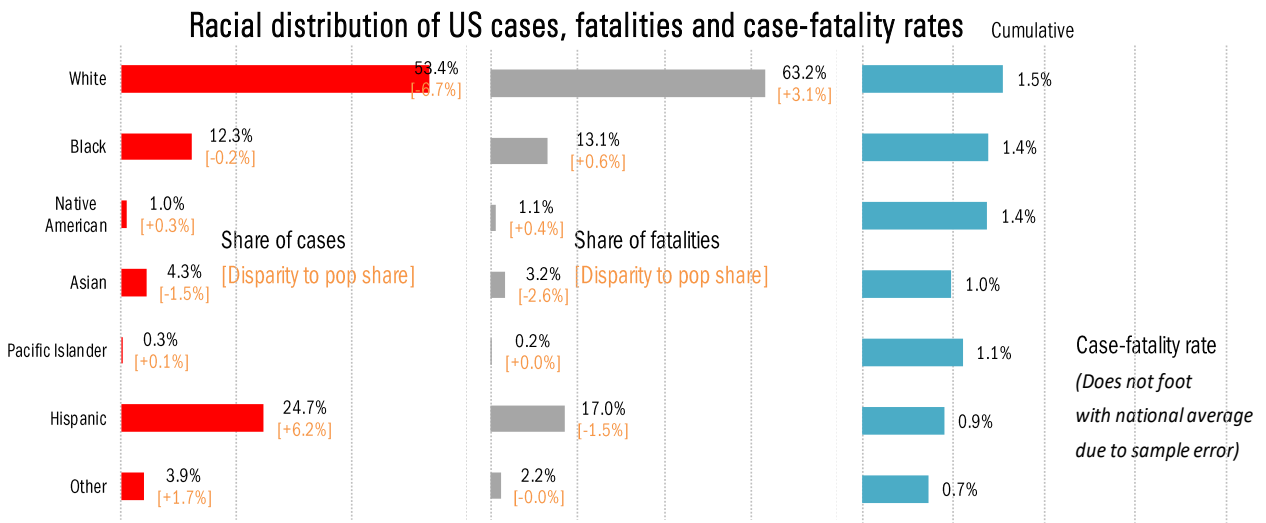
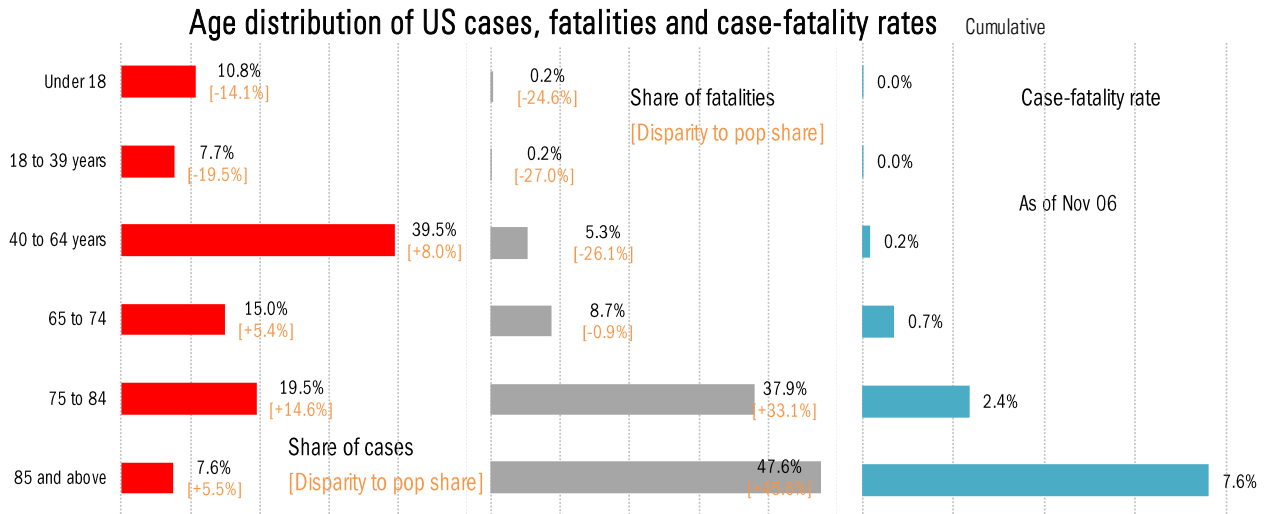


Source: CDC, CDC, Our World in Data, TrendMacro calculations

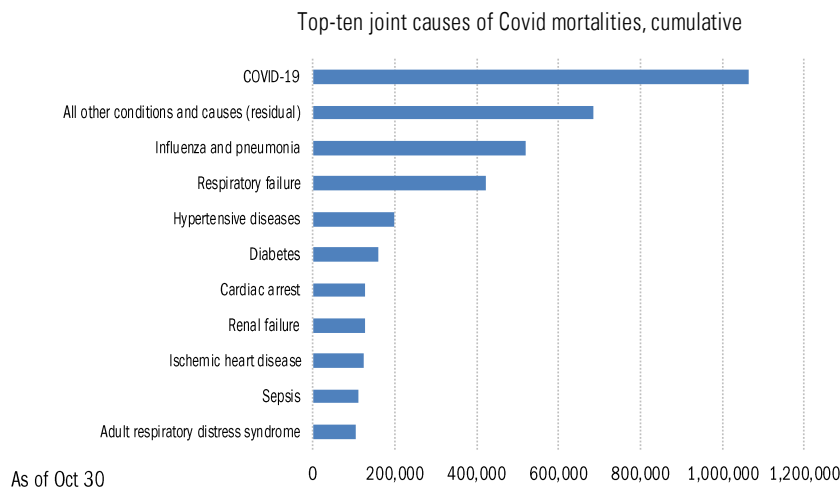
US deep-dive



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

[How the GOP Won Over a Liberal Canadian](#)

Gabrielle Bauer
Wall Street Journal
November 11, 2022

[Full Text & Analysis: China's 20 measures to optimize COVID controls](#)

Zichen Wang
Pekingology
November 11, 2022

[The incredible disappointment of Elon Musk's first weeks owning Twitter \(PART ONE\)](#)

Alex Berenson
Unreported Truths
November 11, 2022

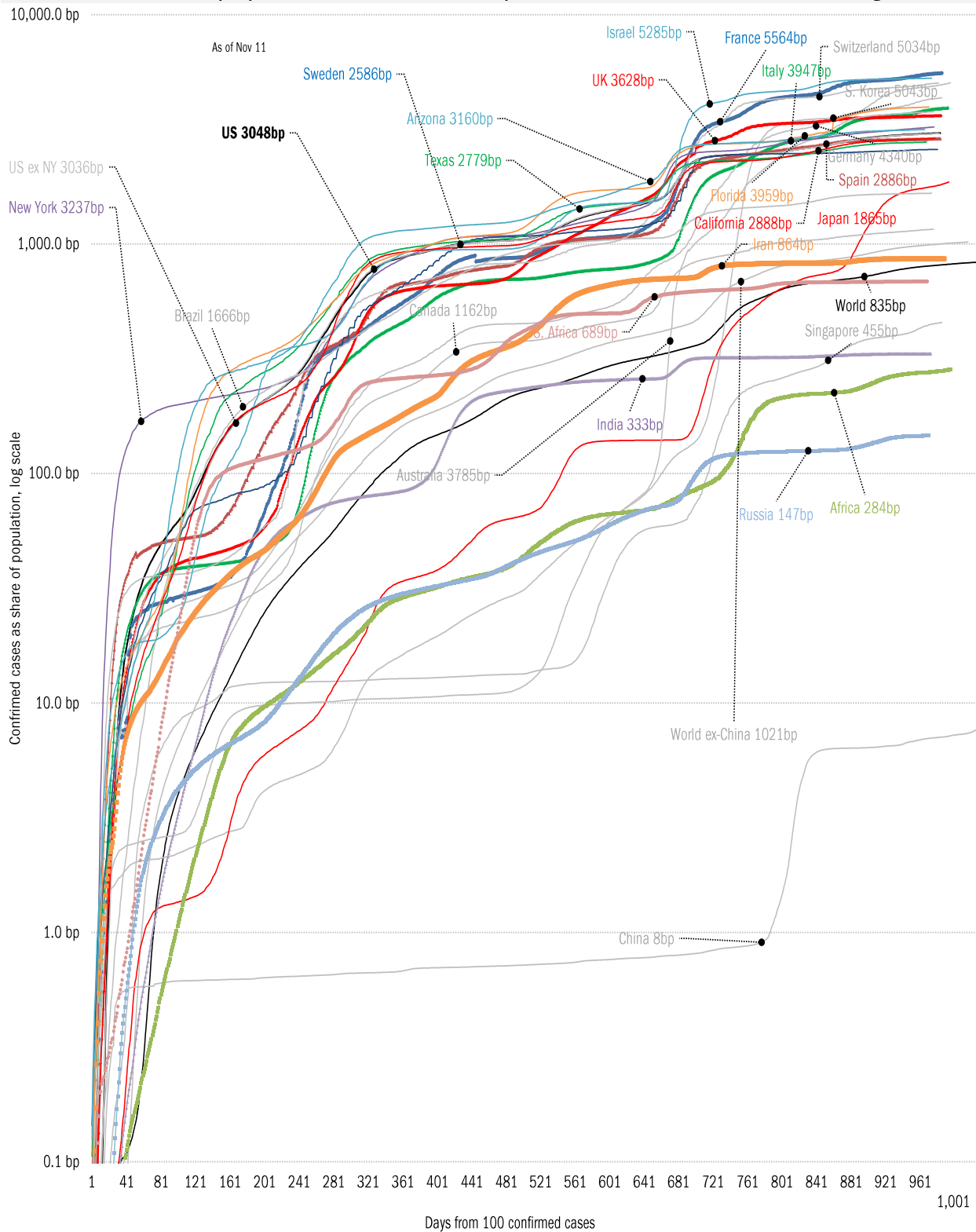
Meme of the day



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

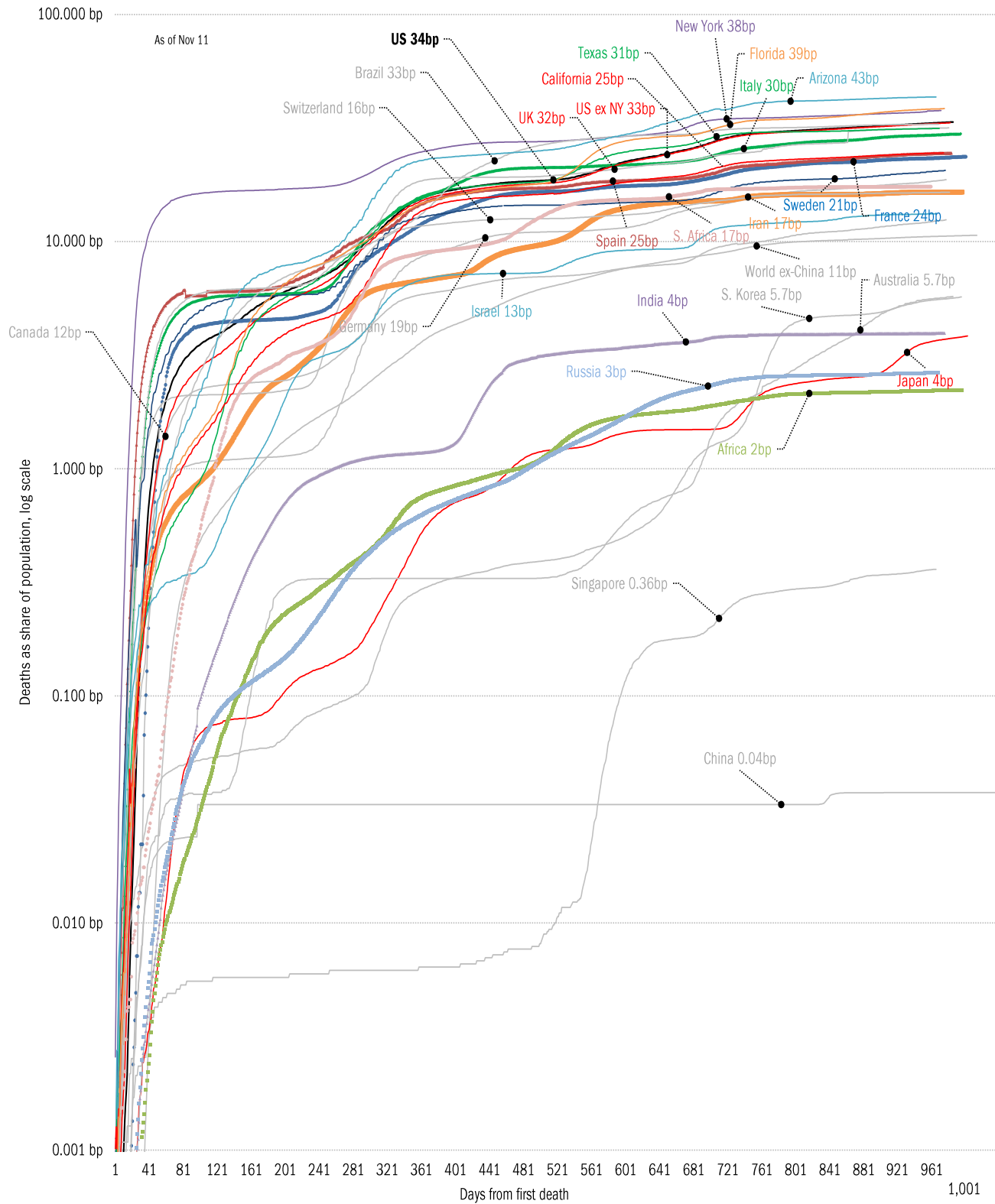
The global coronavirus case accelerometer... tracking the world's infection curves

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

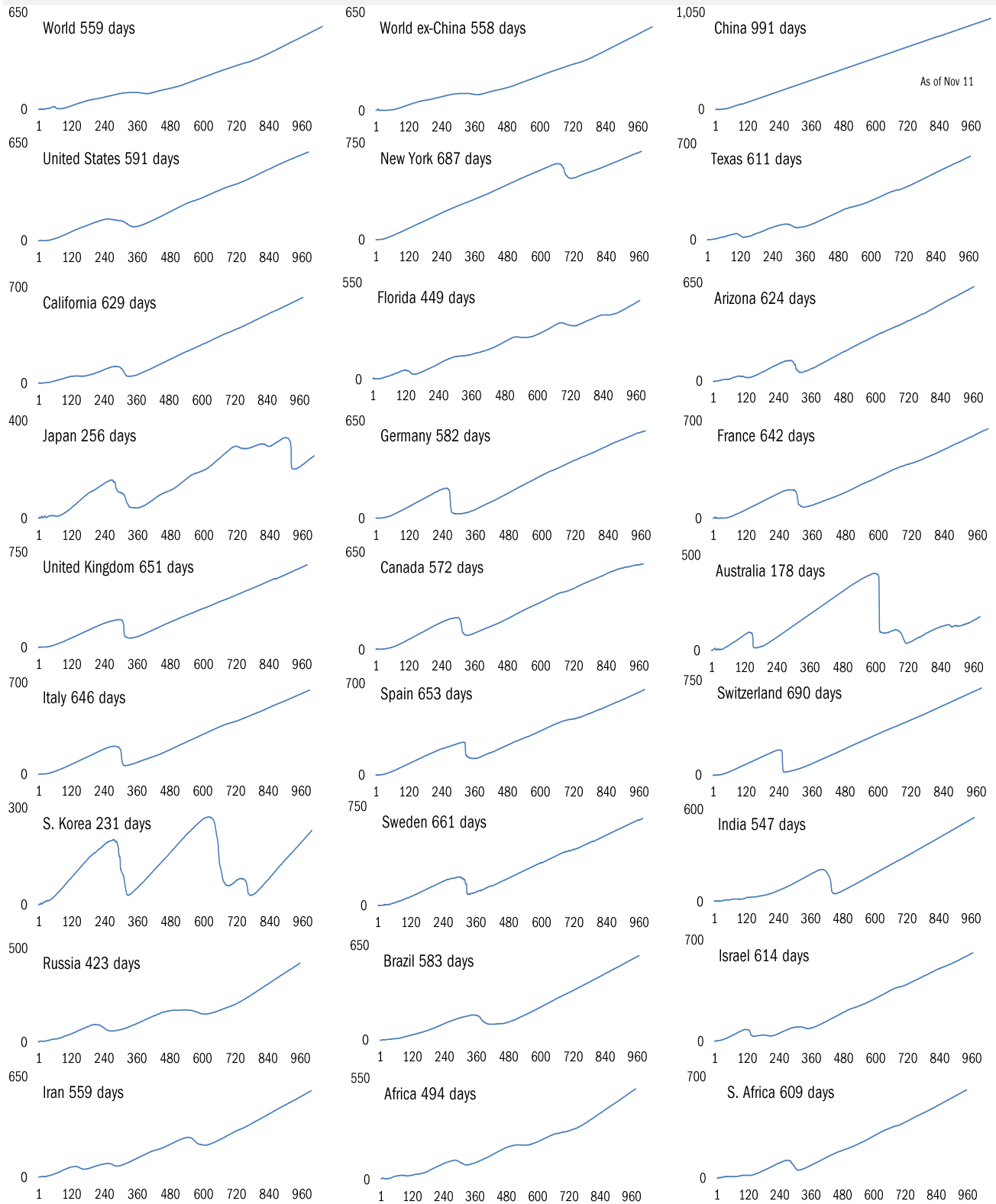


Source: [Johns Hopkins](#), TrendMacro calculations

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

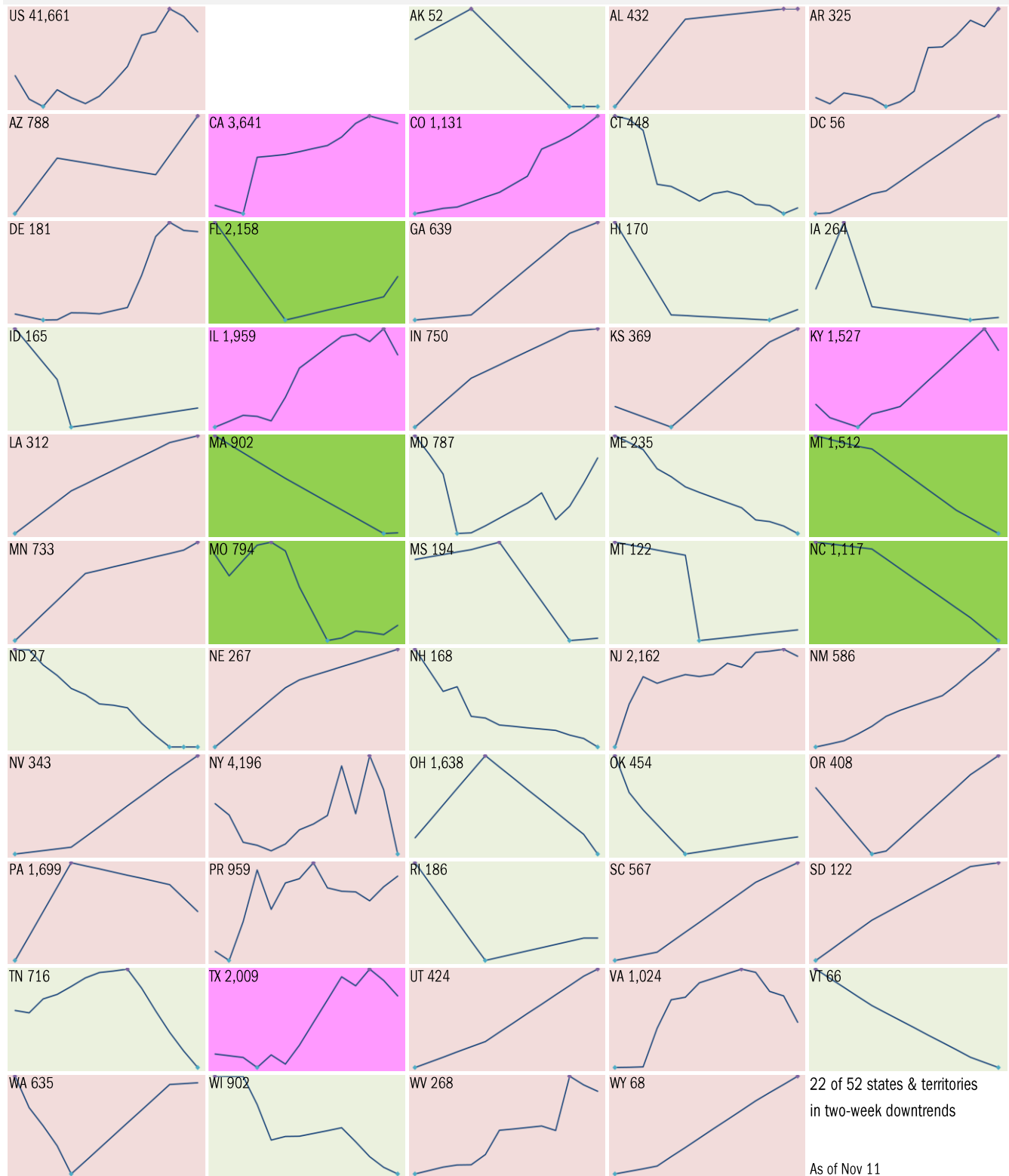


Source: [Johns Hopkins](#), TrendMacro calculations

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

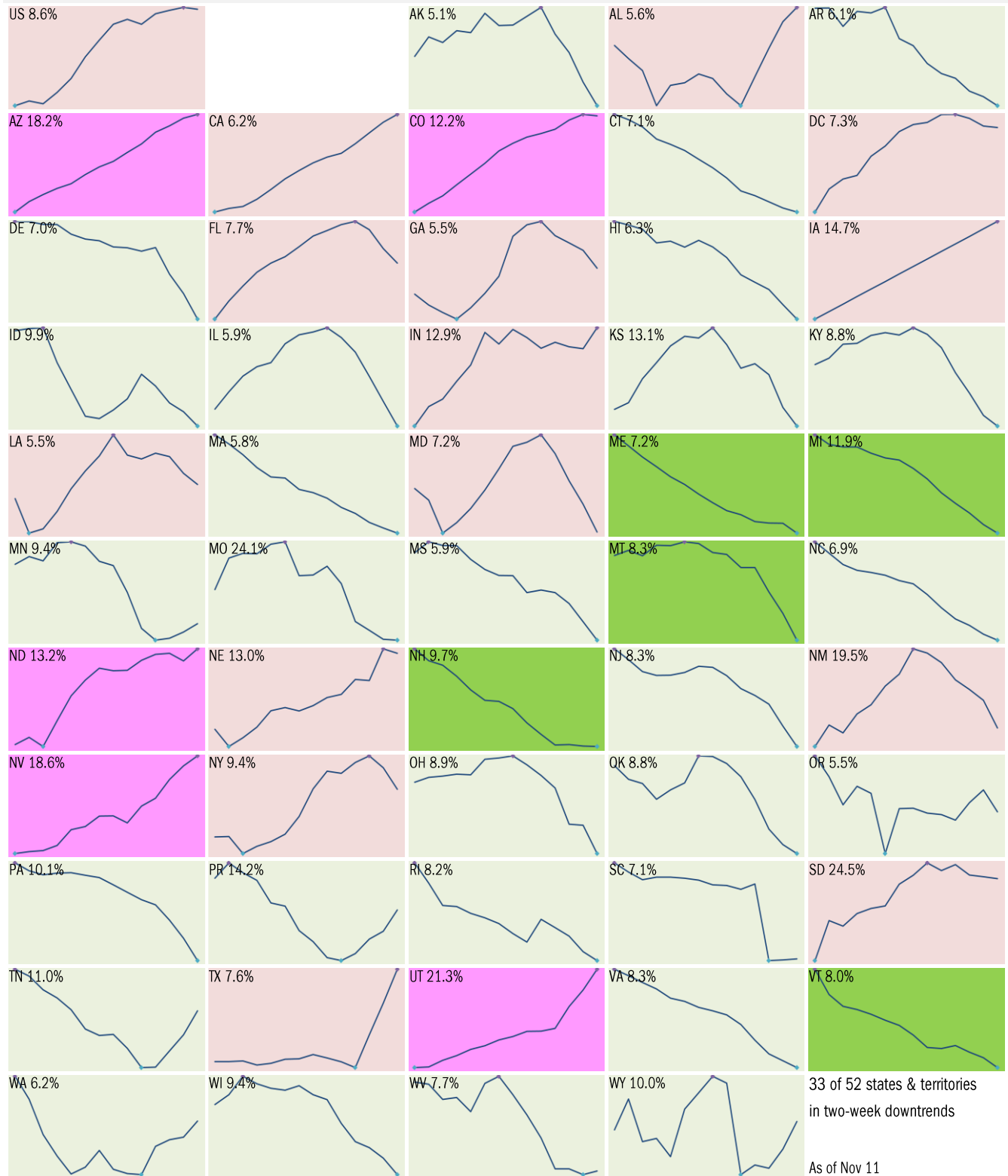


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

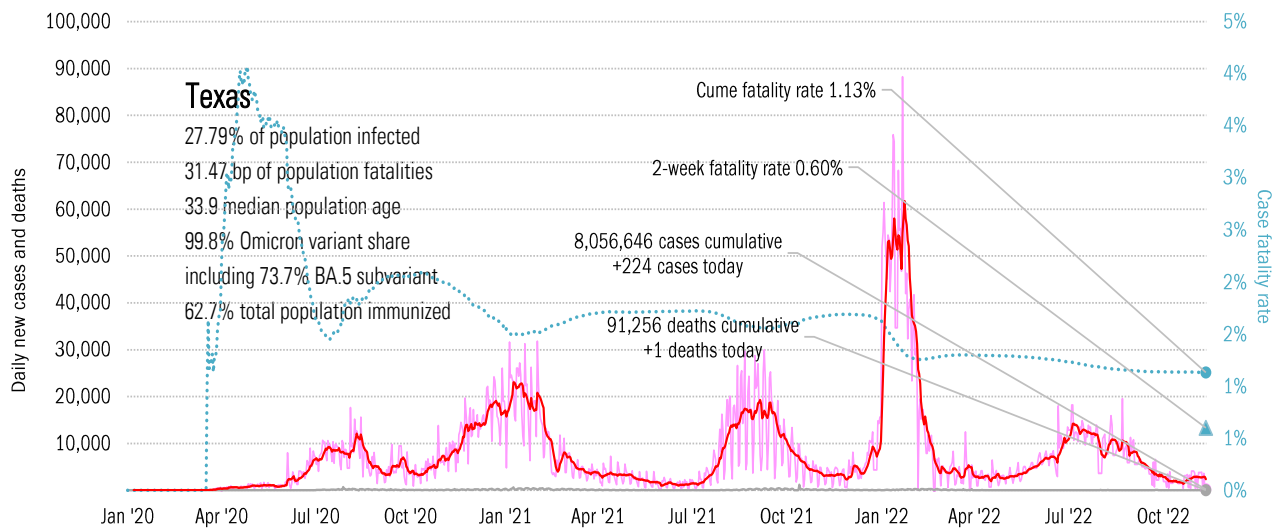
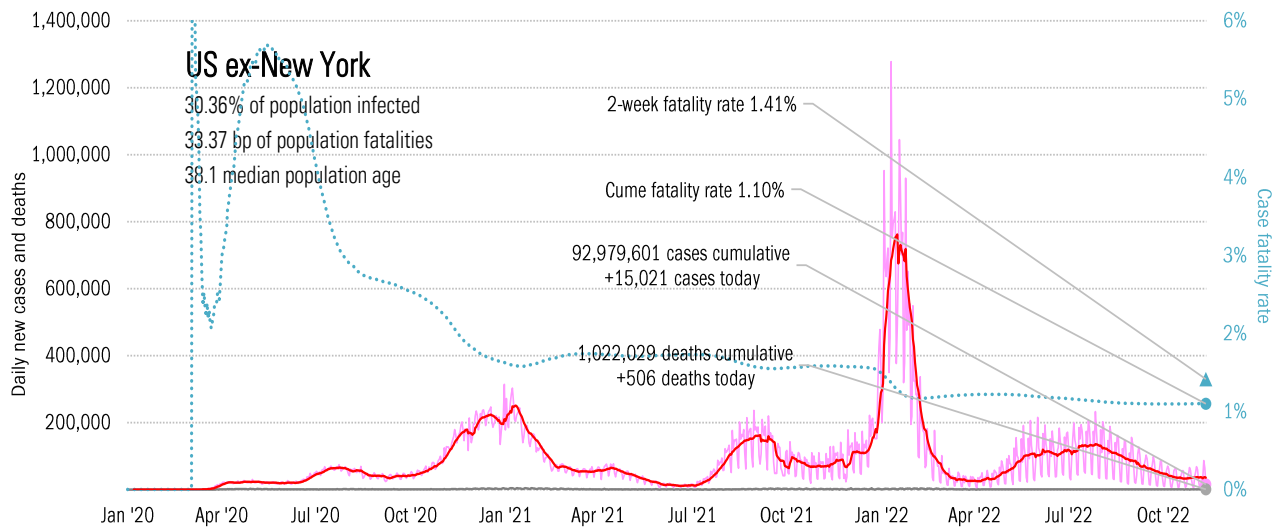
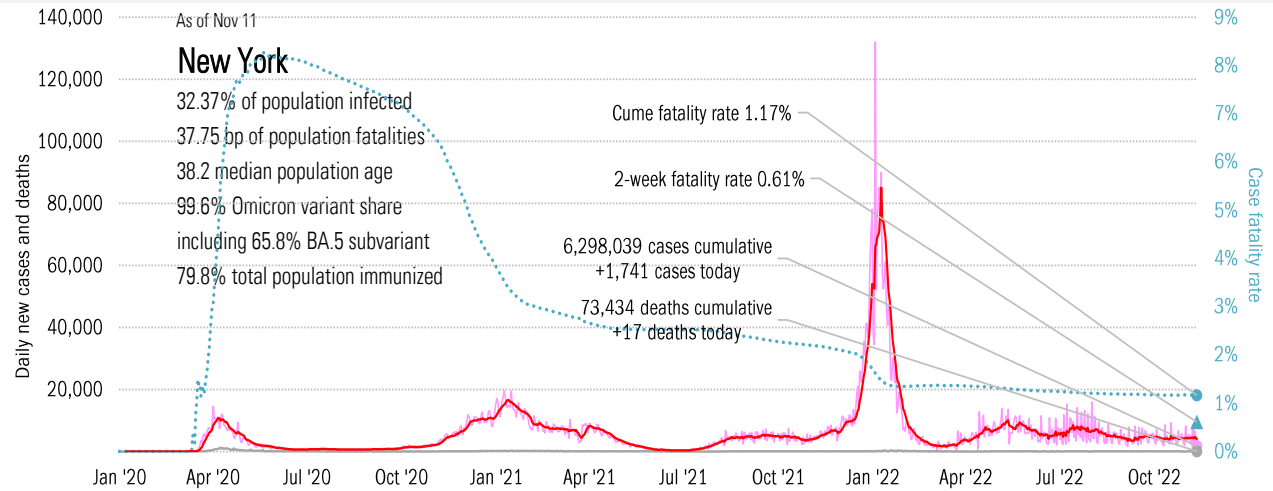
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

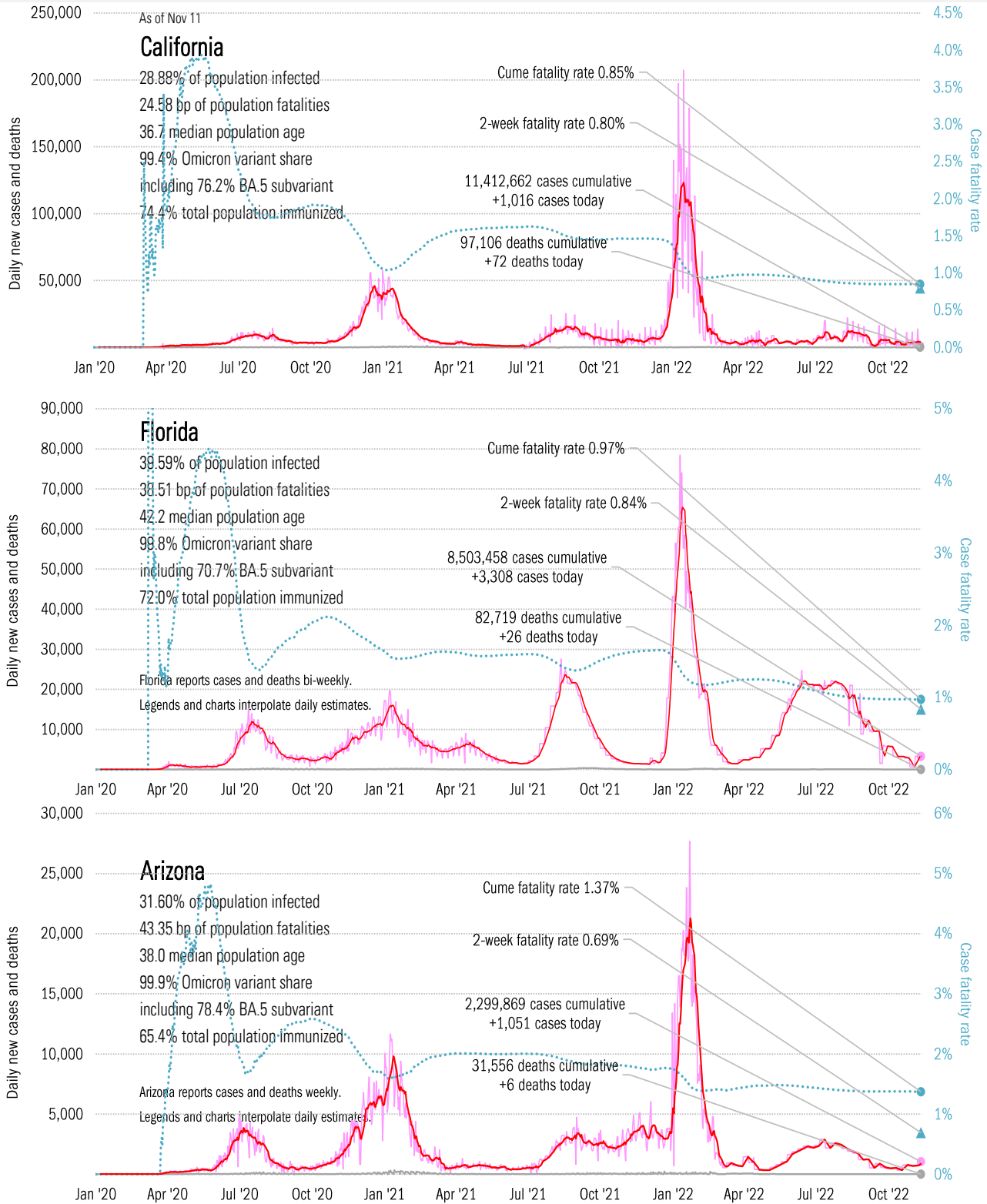
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

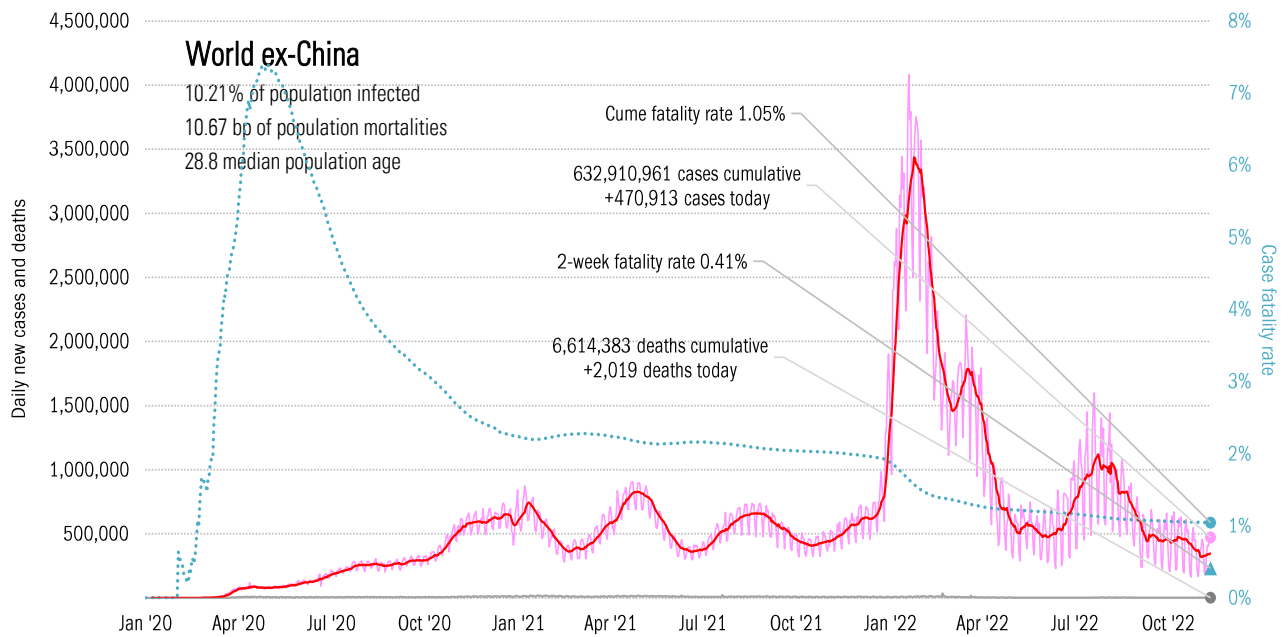
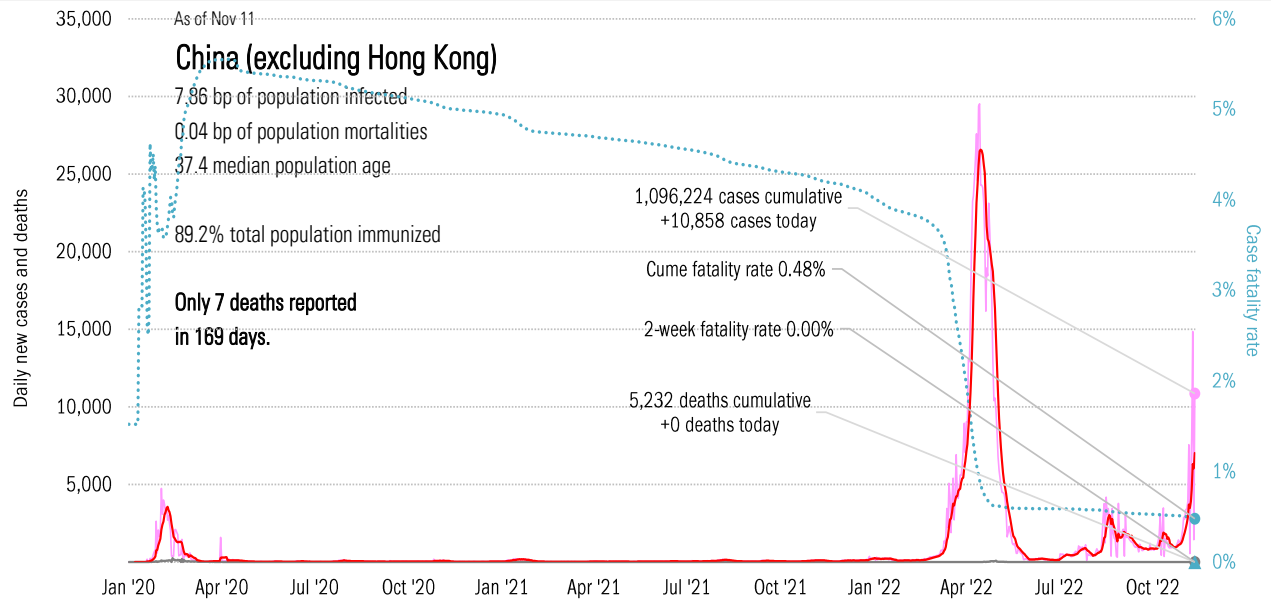
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

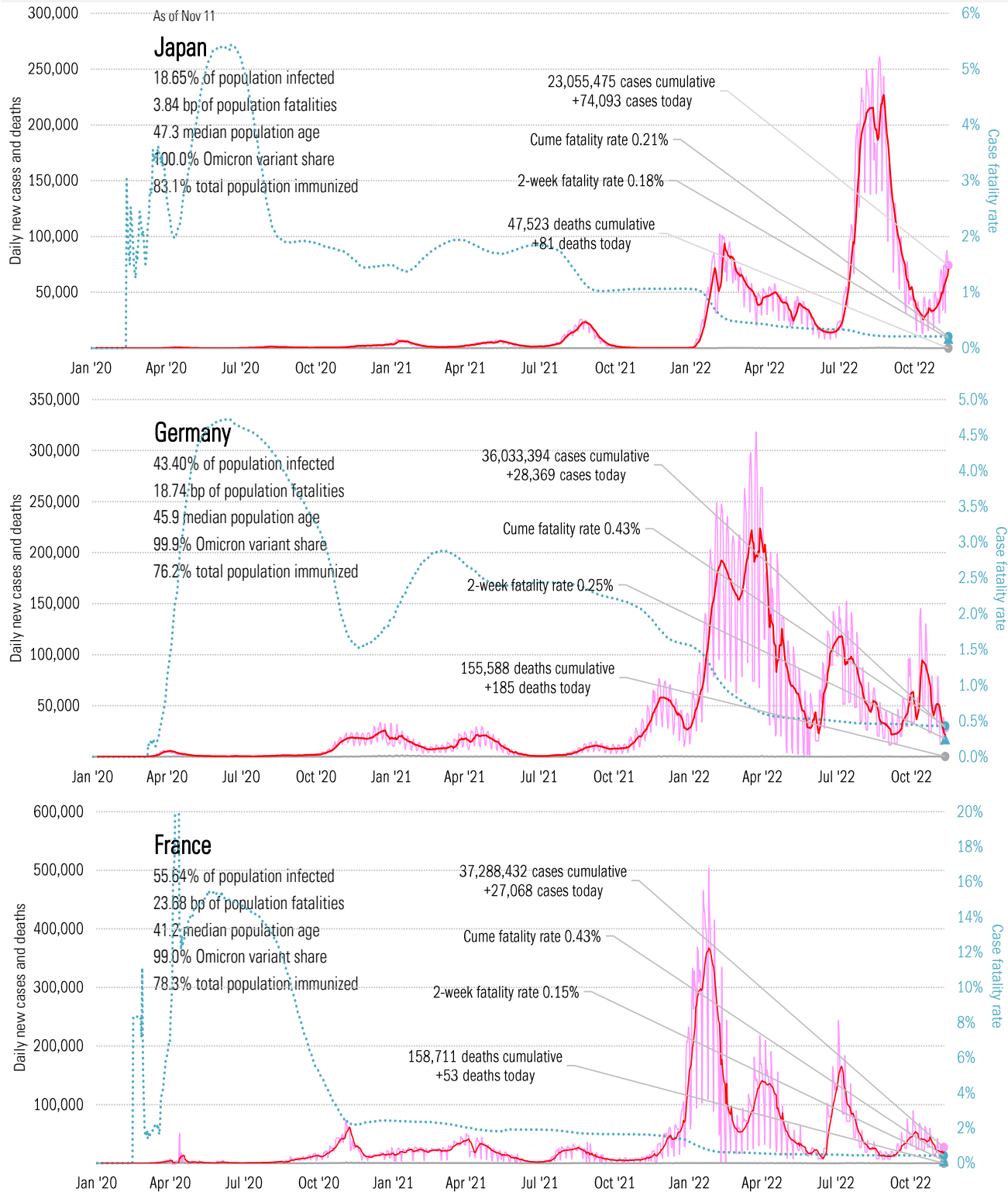
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

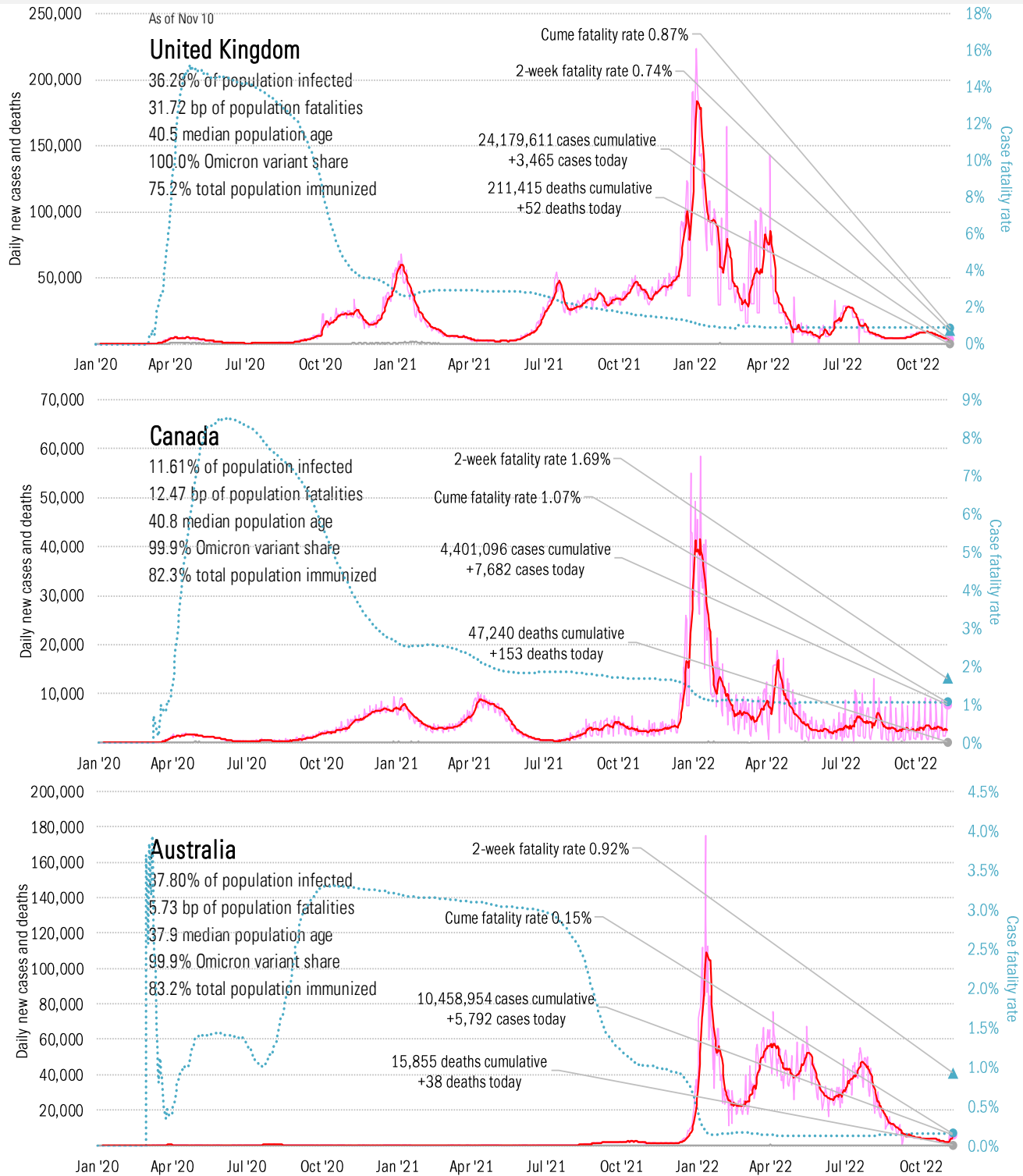
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

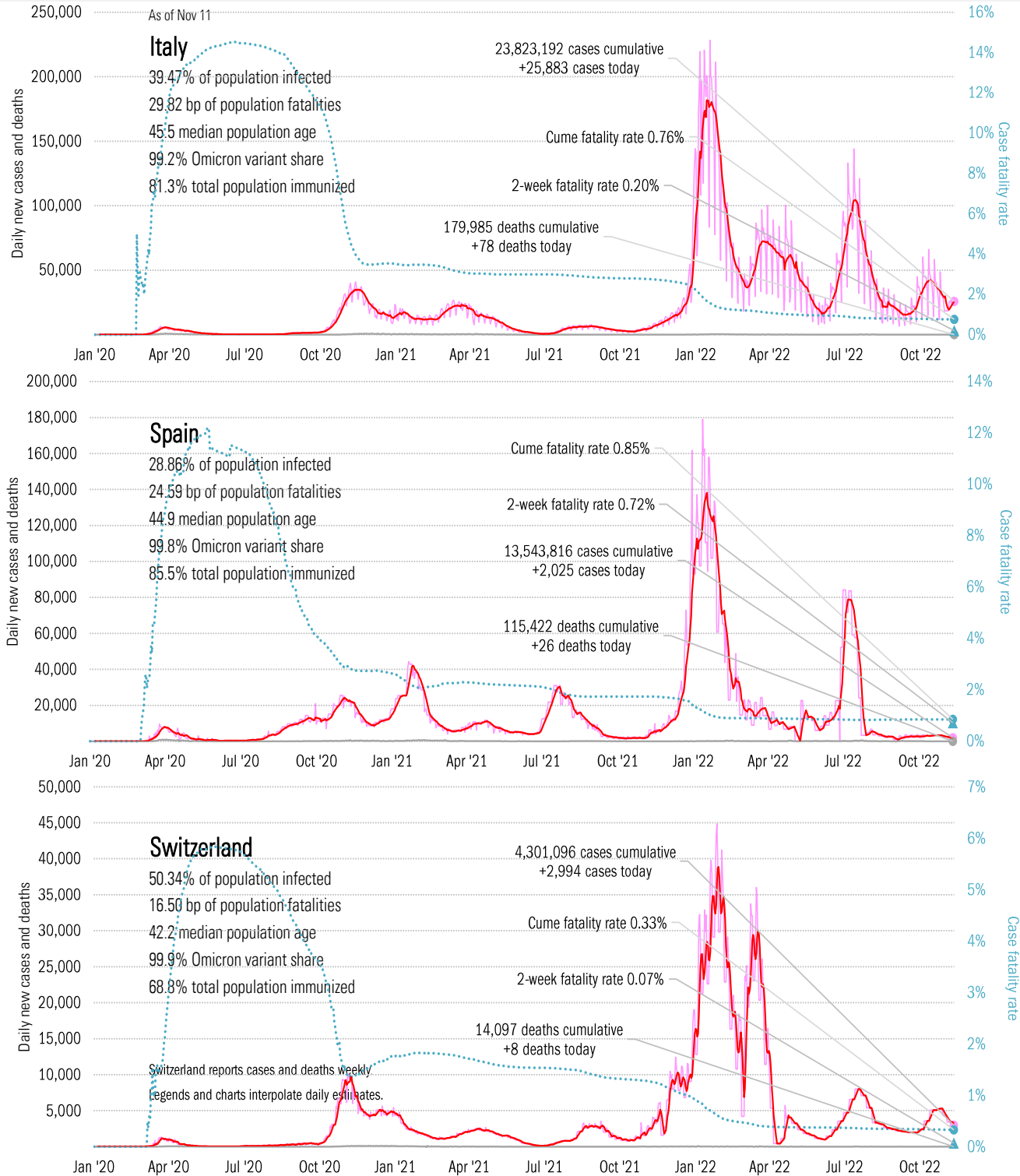
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

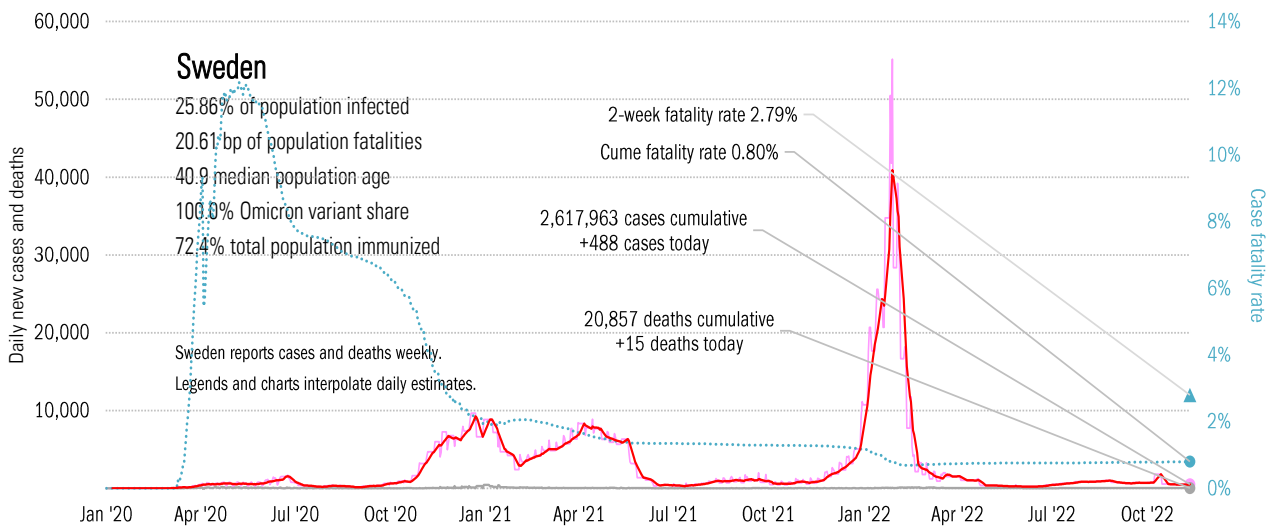
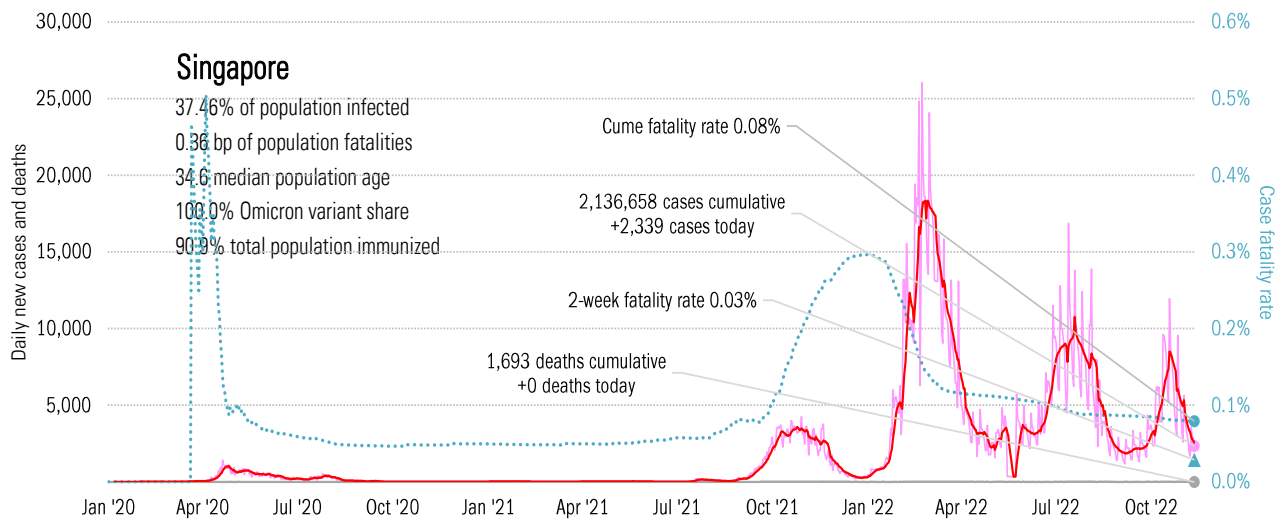
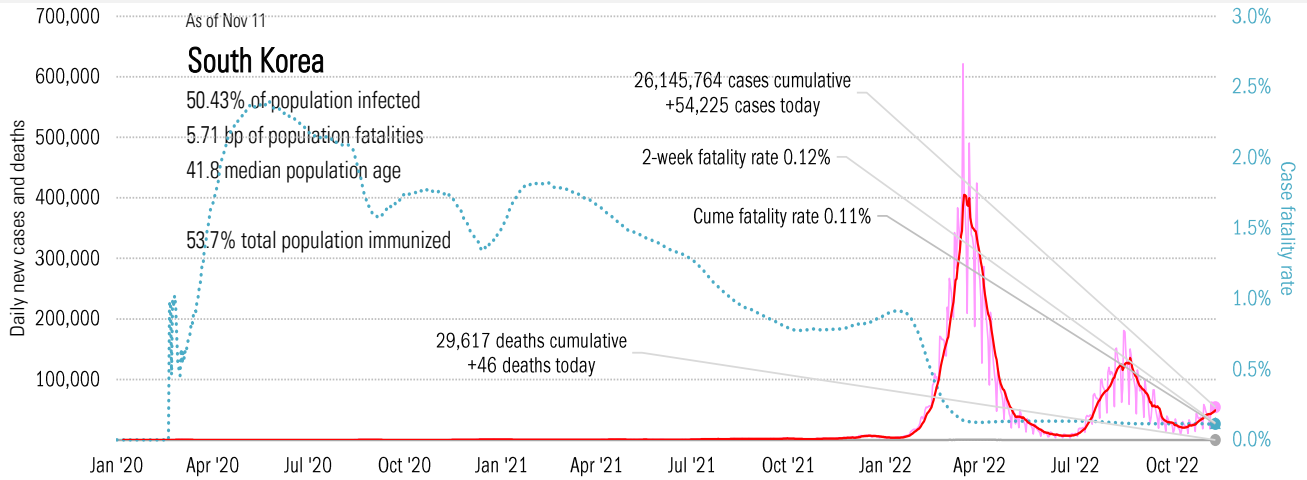
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

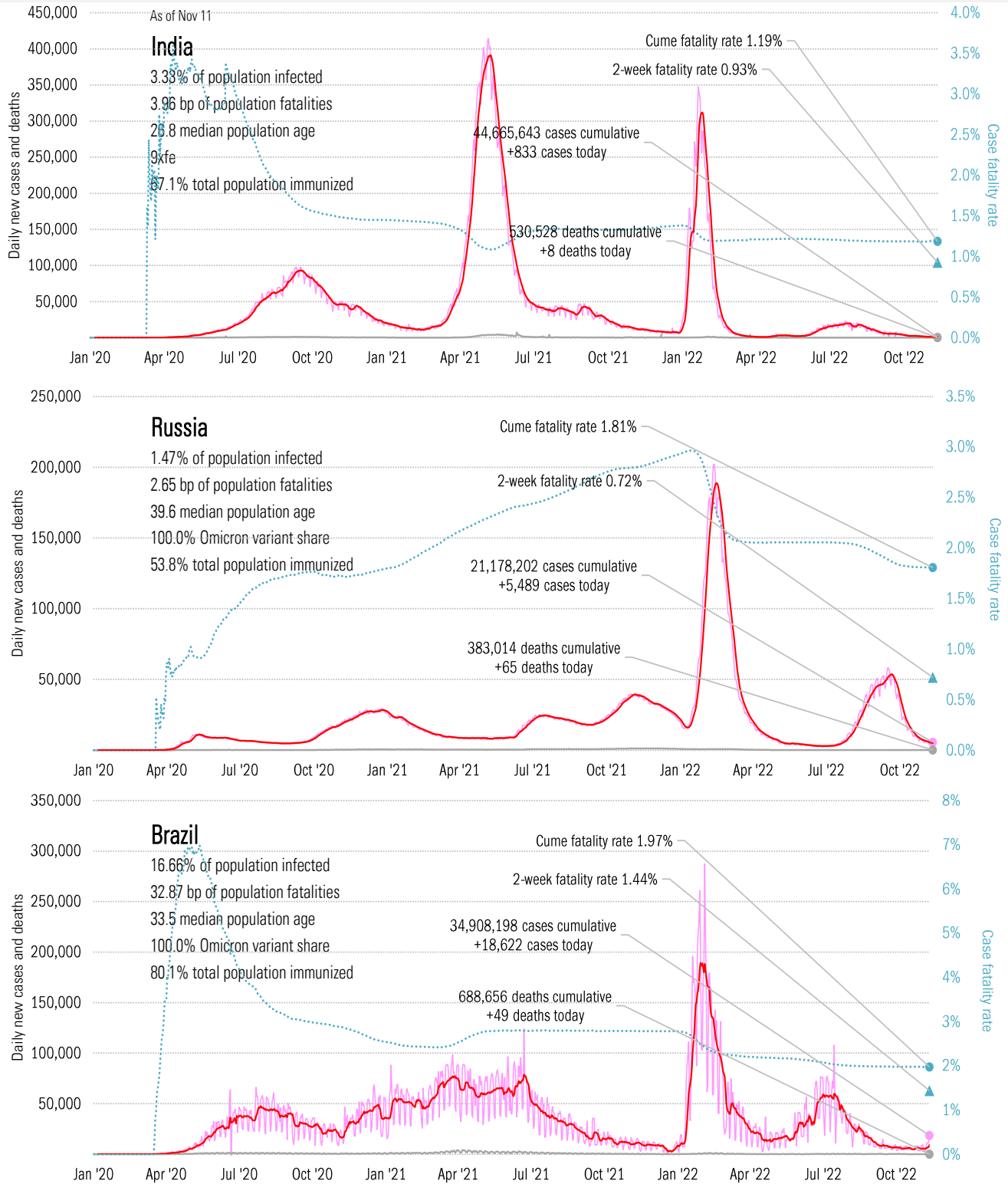
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

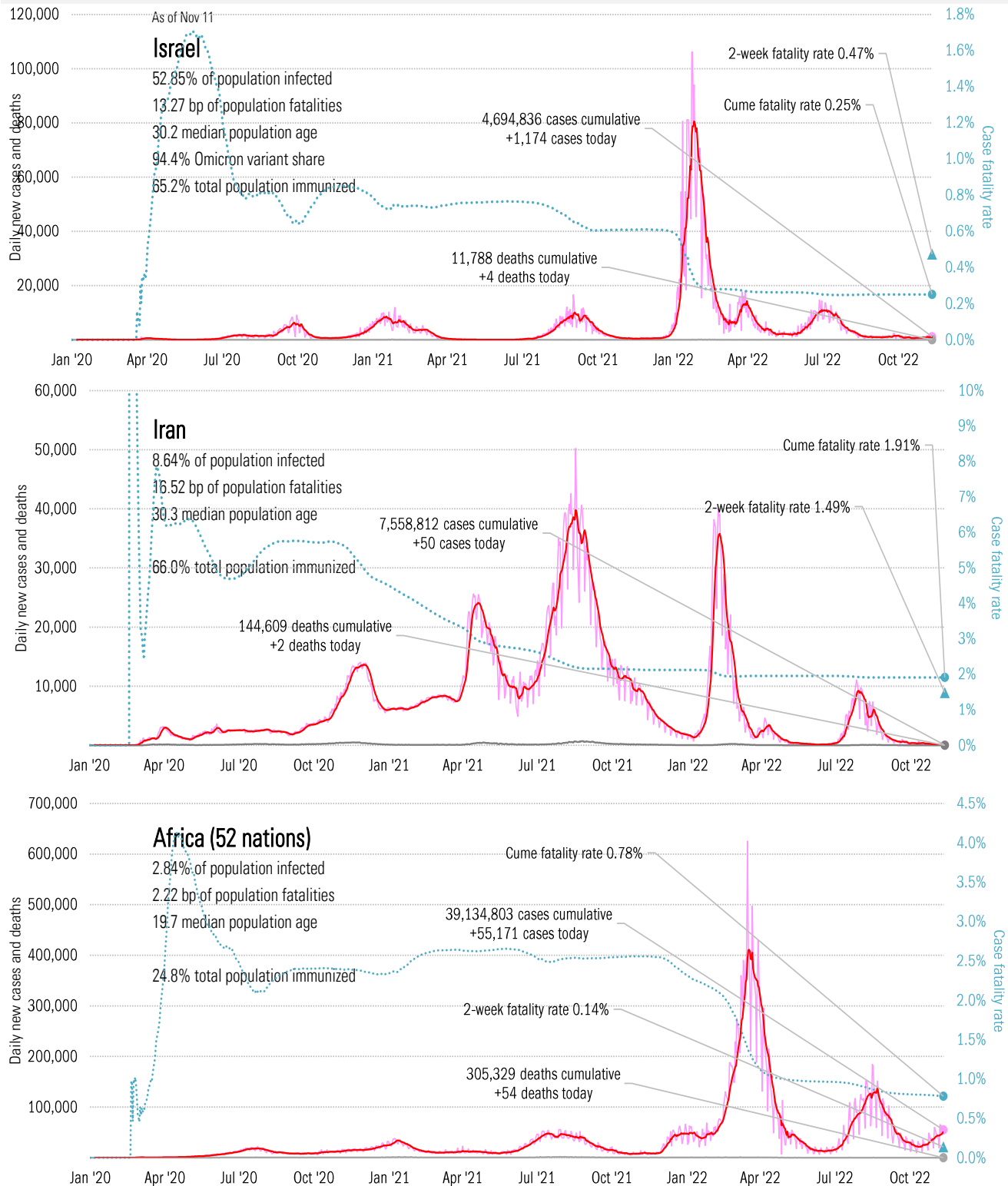
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

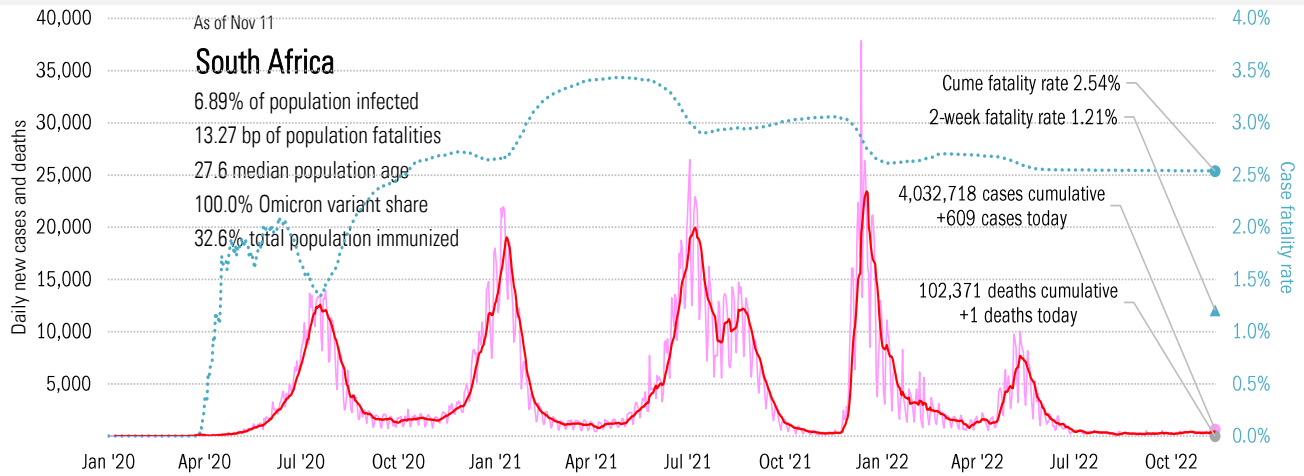
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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