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Data Insights: Covid-2019 Monitor

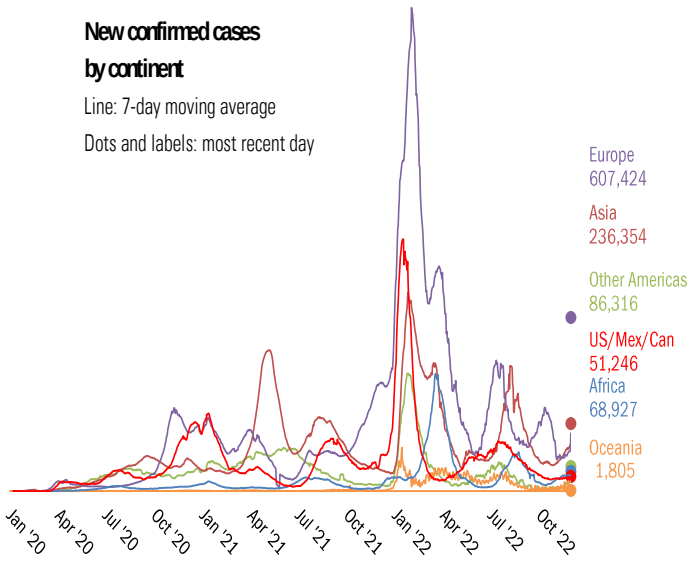
Wednesday, November 30, 2022

The global scorecard

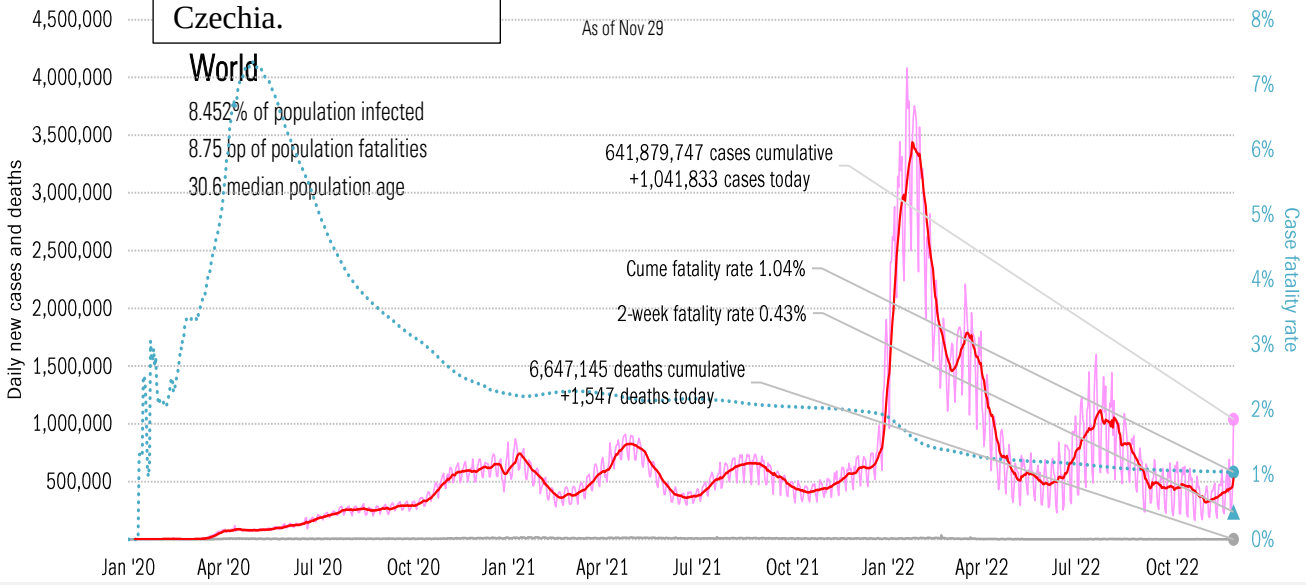
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Czechia	385,842	United States	466
Japan	135,096	Brazil	223
China	71,312	Japan	153
Korea, South	67,415	Germany	134
Greece	44,184	Greece	131
United States	42,393	France	104
Italy	32,732	Indonesia	54
France	23,512	Korea, South	52
Brazil	19,524	Russia	51
Taiwan*	17,281	Taiwan*	21
	839,291		1,389



World cases are distorted upward today due to data error in Czechia.



Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

Cases: 7-day average and daily Deaths: Daily

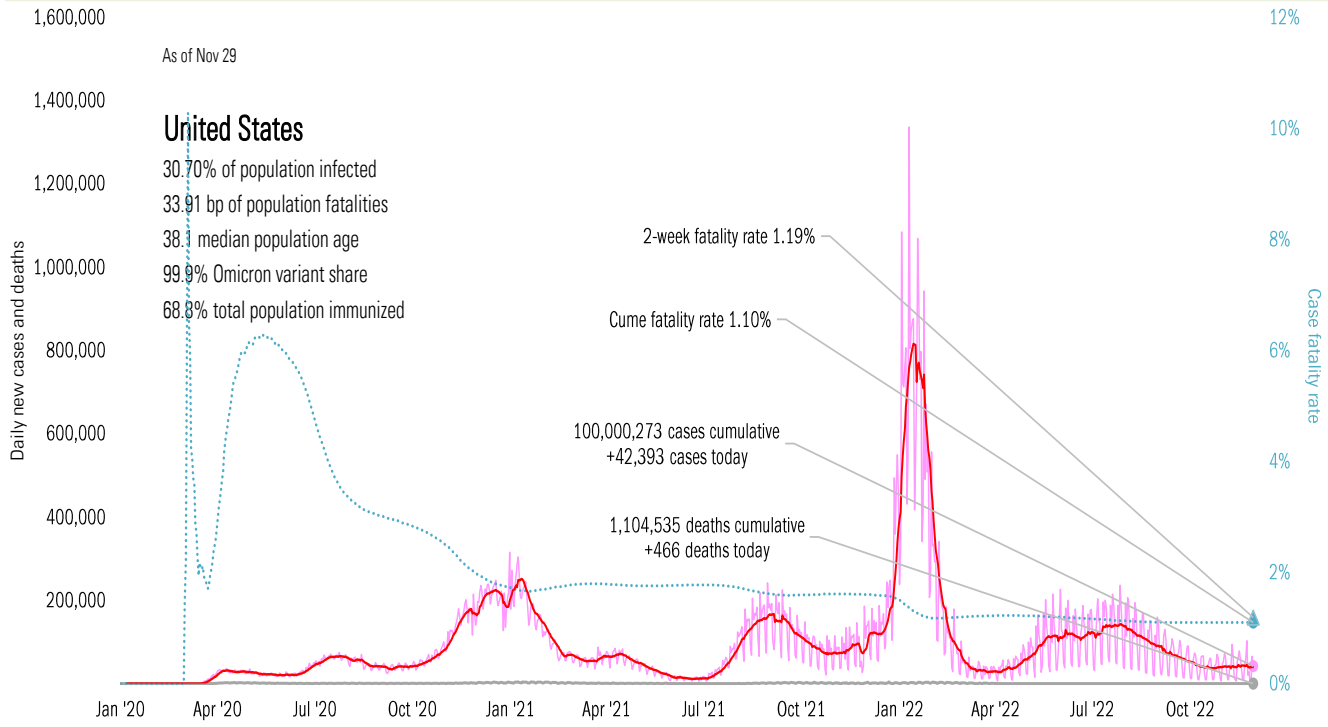
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	6,354	NY	76	CA	653	CA	11,500,689	CA	97,518	TX	555,998	DE	124%	DE	115%
FL	3,355	FL	48	OH	189	TX	8,095,030	TX	91,397	CA	519,462	RI	88%	TX	87%
IL	2,533	NV	24	MA	119	FL	7,239,478	FL	82,875	FL	504,126	MA	85%	VT	84%
CA	2,516	MD	23	IN	94	NY	6,373,859	NY	73,947	NY	320,342	MN	85%	AK	83%
NJ	2,283	UT	21	TX	285	IL	3,871,718	PA	48,271	GA	229,994	WA	84%	NM	82%
AZ	1,916	PA	21	TN	69	PA	3,350,584	GA	41,024	OH	227,892	NH	83%	NC	82%
VA	1,654	VA	19	VA	81	NC	3,268,501	OH	40,466	PA	214,231	MO	82%	AL	82%
OH	1,571	IL	18	KS	58	OH	3,227,759	IL	40,282	IL	196,031	OR	81%	MA	82%
WI	1,382	NJ	17	GA	89	MI	2,938,443	MI	40,085	MI	170,248	MD	80%	RI	81%
CO	1,352	MI	16	AR	39	GA	2,937,280	NJ	35,110	KY	147,942	GA	80%	KY	81%
	24,916		283		1,676		52,803,341		590,975		3,086,266				
All states	42,393		466		4,304	All states	100,000,273		1,104,535		5,607,308	All states	70%		67%
Top ten	59%		61%		39%	Top ten	53%		55%		55%	Median	77%		74%

Some states not reporting

Five most improved US states

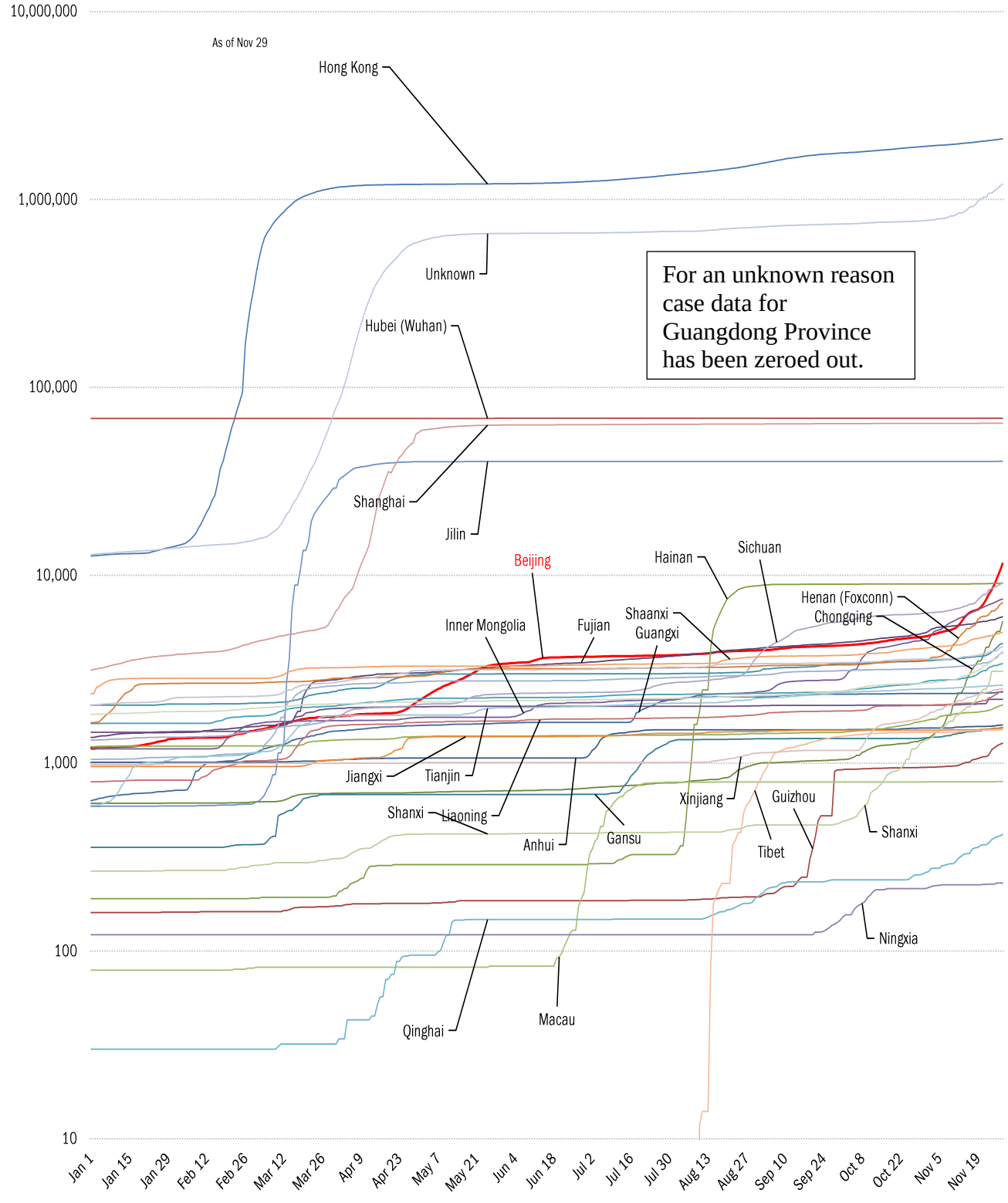
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,557	CA	-65	TX	-78
CA	-3,169	MS	-15	PA	-58
CO	-689	NH	-4	FL	-54
TX	-670	MT	-2	IL	-41
WV	-576	AK	0	MI	-41



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

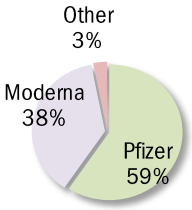
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	667,039,757				+0.623 million
				Of which boosters:	+0.560 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	275,804,550	83%	234,917,605	70%	+0.052 million
Age 12 to 17	18,368,587	73%	15,705,157	62%	+0.002 million
Age 18 to 64	183,557,662	90%	155,937,514	77%	+0.029 million
Age 65 and over	60,811,399	100%	53,206,659	97%	+0.011 million

Immunity	Full	Partial
US	68.6%	80.4%
UK	75.2%	79.7%
France	78.3%	80.5%
Spain	85.5%	86.9%
Germany	76.2%	77.7%
Italy	81.3%	86.1%
Australia	83.2%	85.7%
Israel	65.2%	71.1%
Canada	82.4%	88.8%
Japan	83.1%	84.2%
Africa	24.8%	31.0%
India	67.1%	72.5%
Brazil	80.2%	87.2%
China	89.2%	91.4%

Global data differs due to sources, timing



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

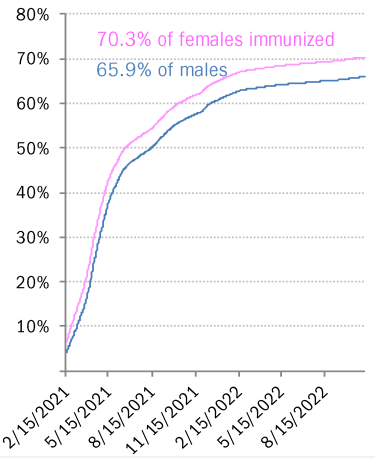
"Immunity" = two doses

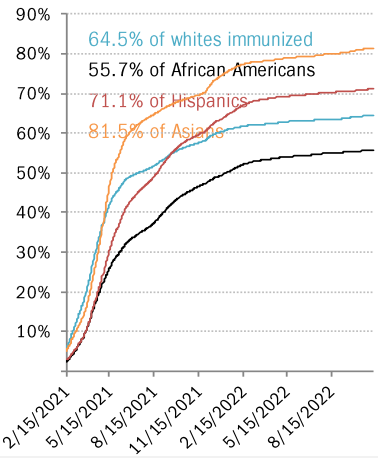
Best
Middle
Worst

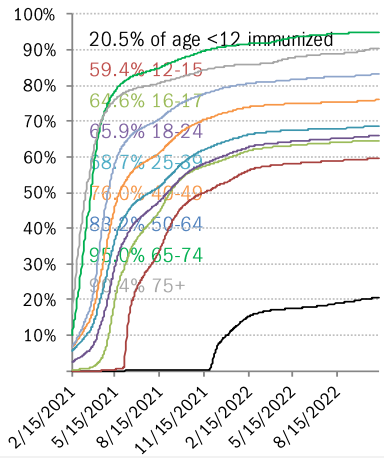
As of Nov 18

					WI					ME
					74.4%					95.0%
					67.7%					82.5%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%		93.5%	95.0%	86.3%
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%		79.9%	84.6%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	89.4%	93.7%	95.0%	
71.7%	63.0%	52.7%	65.5%	63.9%	57.4%	60.0%	72.3%	78.4%	83.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
85.7%	74.5%	82.9%	72.7%	68.7%	68.3%	67.0%	89.9%	90.7%	95.0%	95.0%
74.6%	66.1%	72.9%	65.7%	58.5%	59.2%	59.4%	75.9%	78.9%	82.3%	86.8%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	76.5%	92.9%	75.4%	69.2%	64.0%	90.5%	70.3%	95.0%	86.6%	
	65.5%	74.4%	64.6%	56.4%	56.0%	66.0%	59.4%	84.1%	72.0%	
			OK	LA	MS	AL	GA			
			73.9%	62.5%	61.3%	64.5%	67.7%			
			59.9%	54.8%	53.4%	52.7%	56.7%			
HI			TX					FL		PR
90.6%			75.6%					81.8%		95.0%
80.9%			62.8%					68.9%		86.5%

The demographics of US vaccination

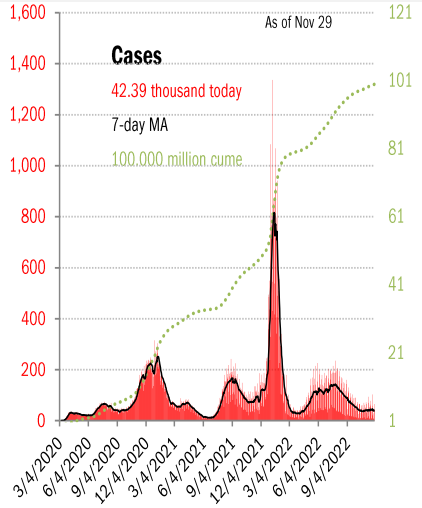


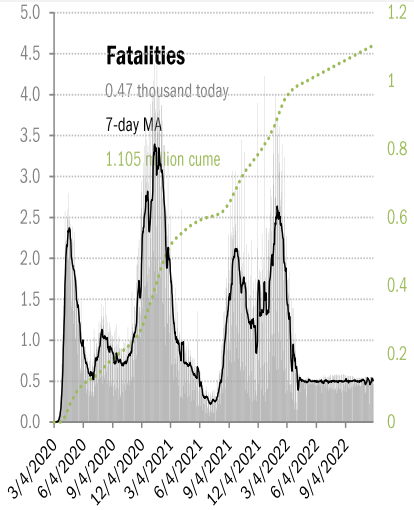


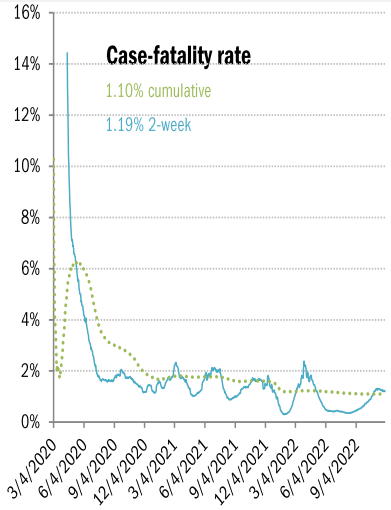


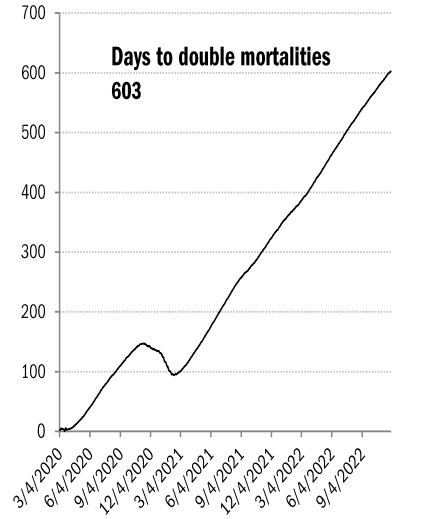
Source: CDC, CDC, Our World in Data, TrendMacro calculations

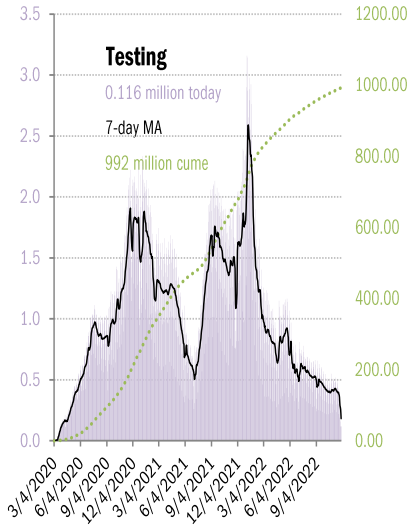
US deep-dive

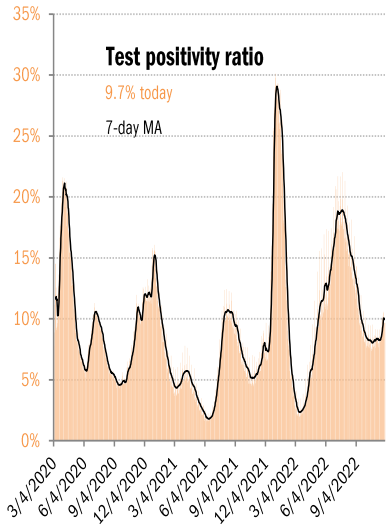


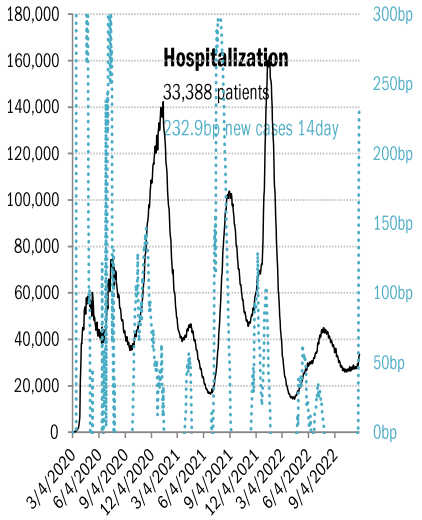


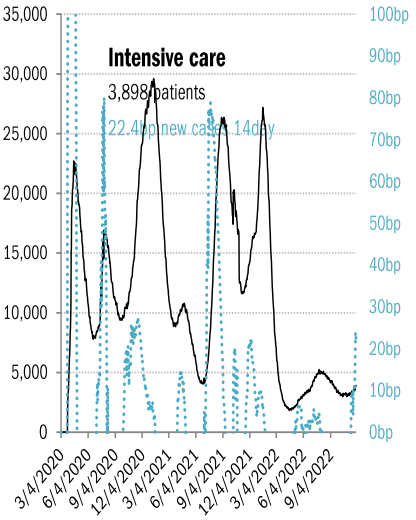


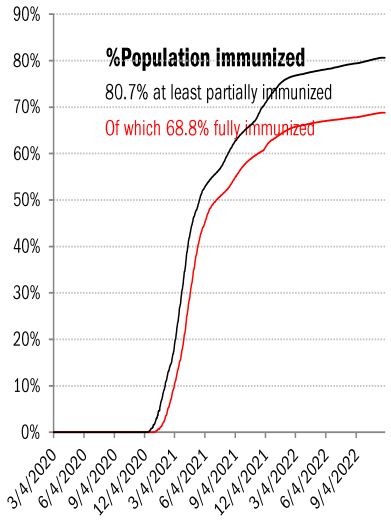












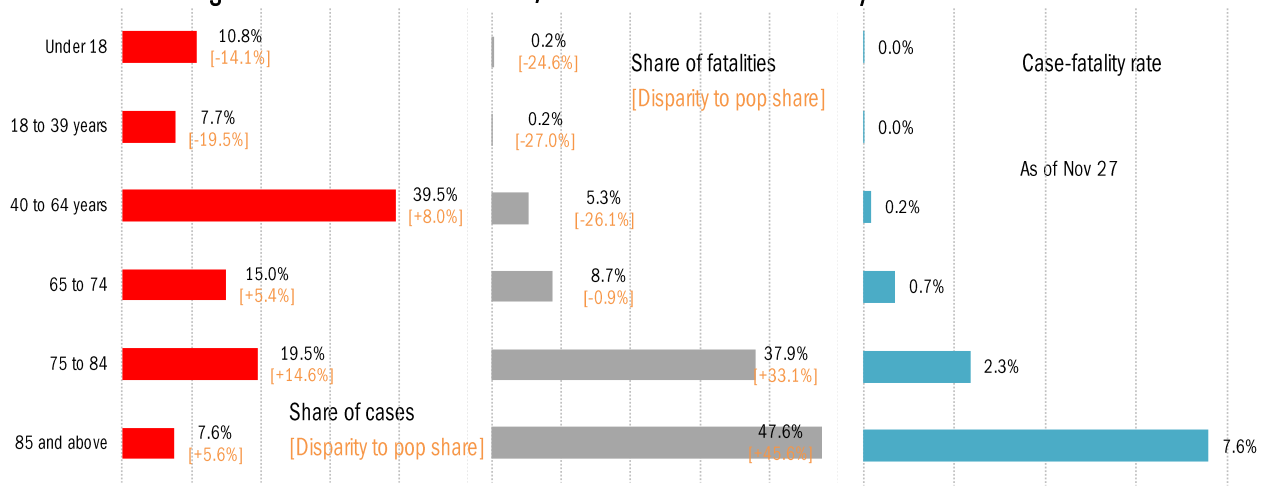
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

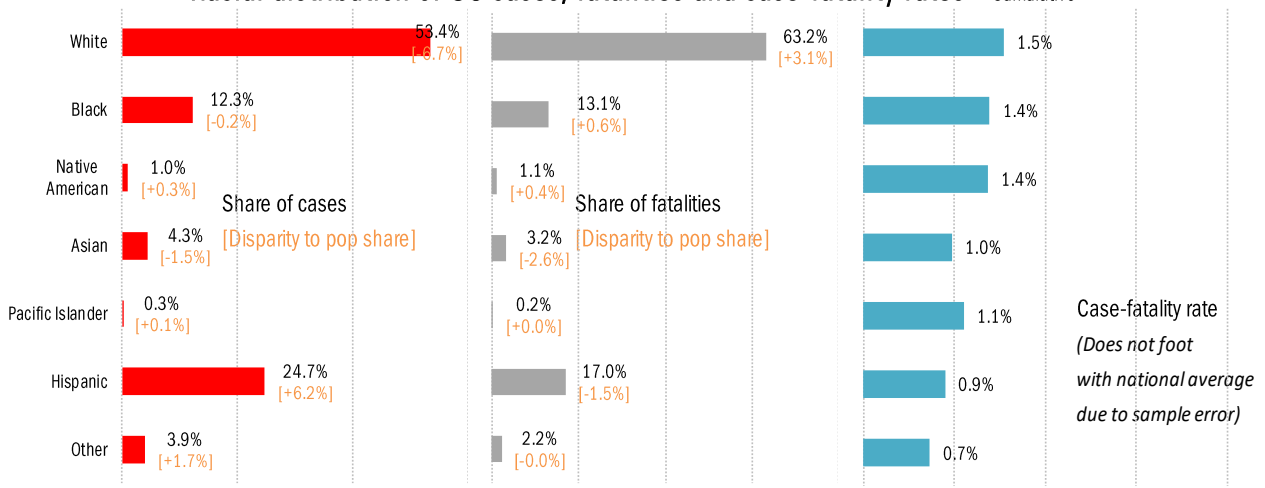
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



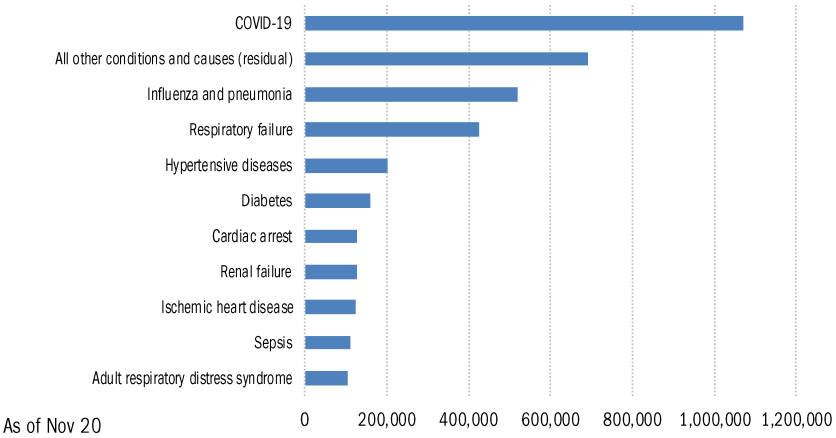
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Nov 20

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

Covid restrictions lifted in Chinese city of Guangzhou after protests
Helen Davidson
The Guardian
November 30, 2022

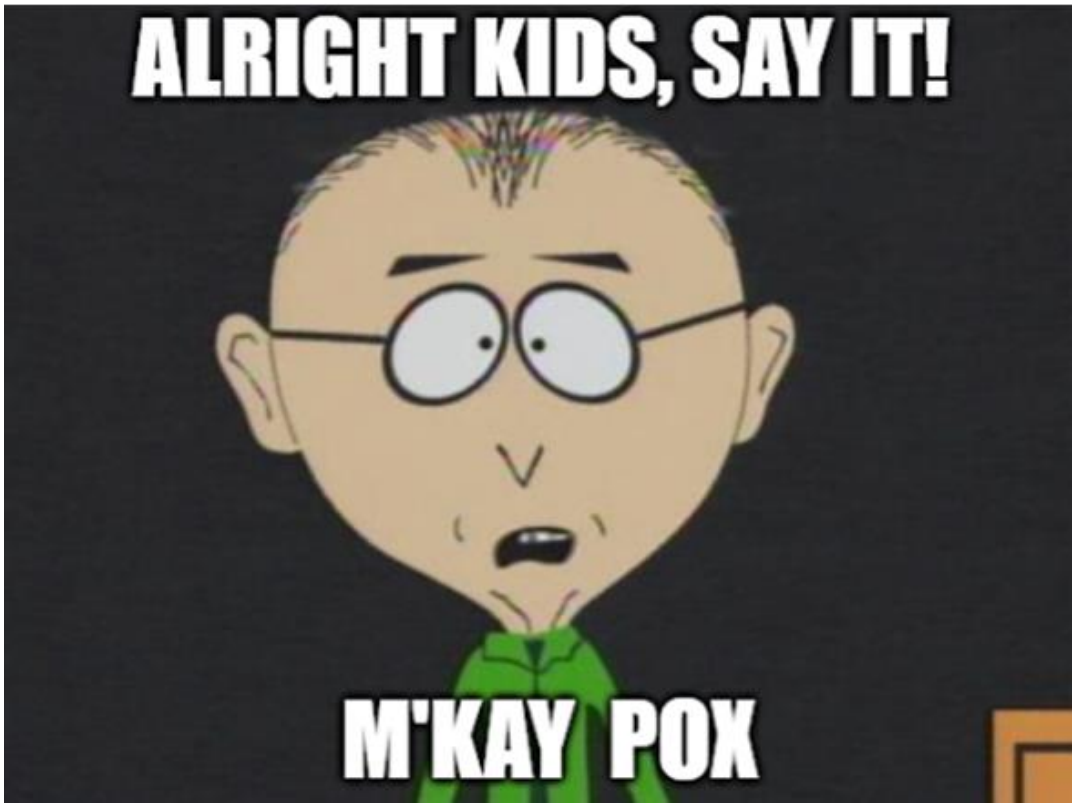
Zero-Covid and Xi Jinping's Deal With the Devil
Holman W. Jenkins, Jr.
Wall Street Journal
November 29, 2022

China's Failed Covid Vaccine Nationalism
Wall Street Journal
November 29, 2022

Twitter stops enforcing Covid-19 misinformation policy
Rebecca Kern
Politico
November 29, 2022

Fall 2022
Virus Update: Don't Panic
Phil Kerpen
Committee to Unleash Prosperity Hotline
November 29, 2022

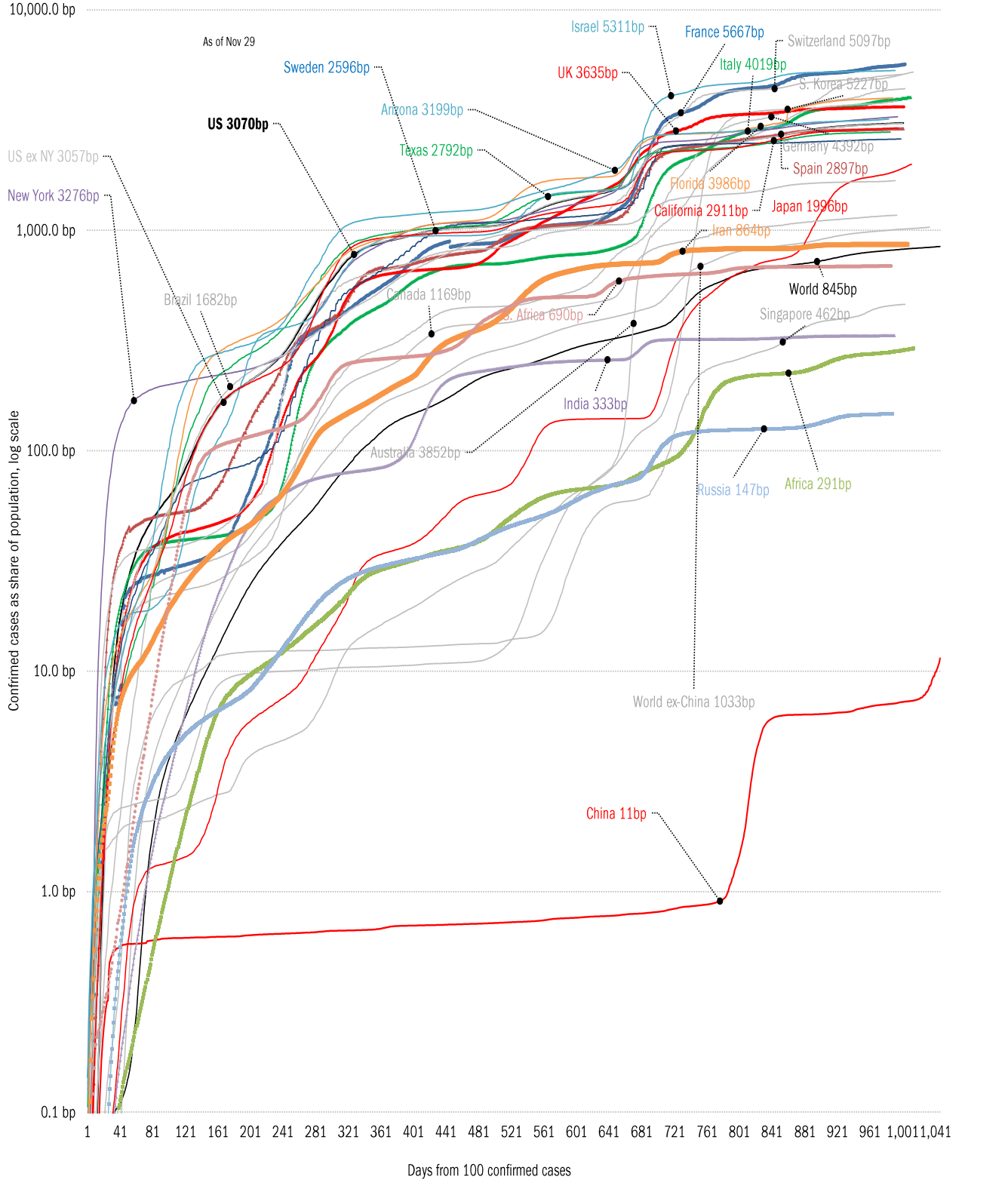
Meme of the Day



Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP

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

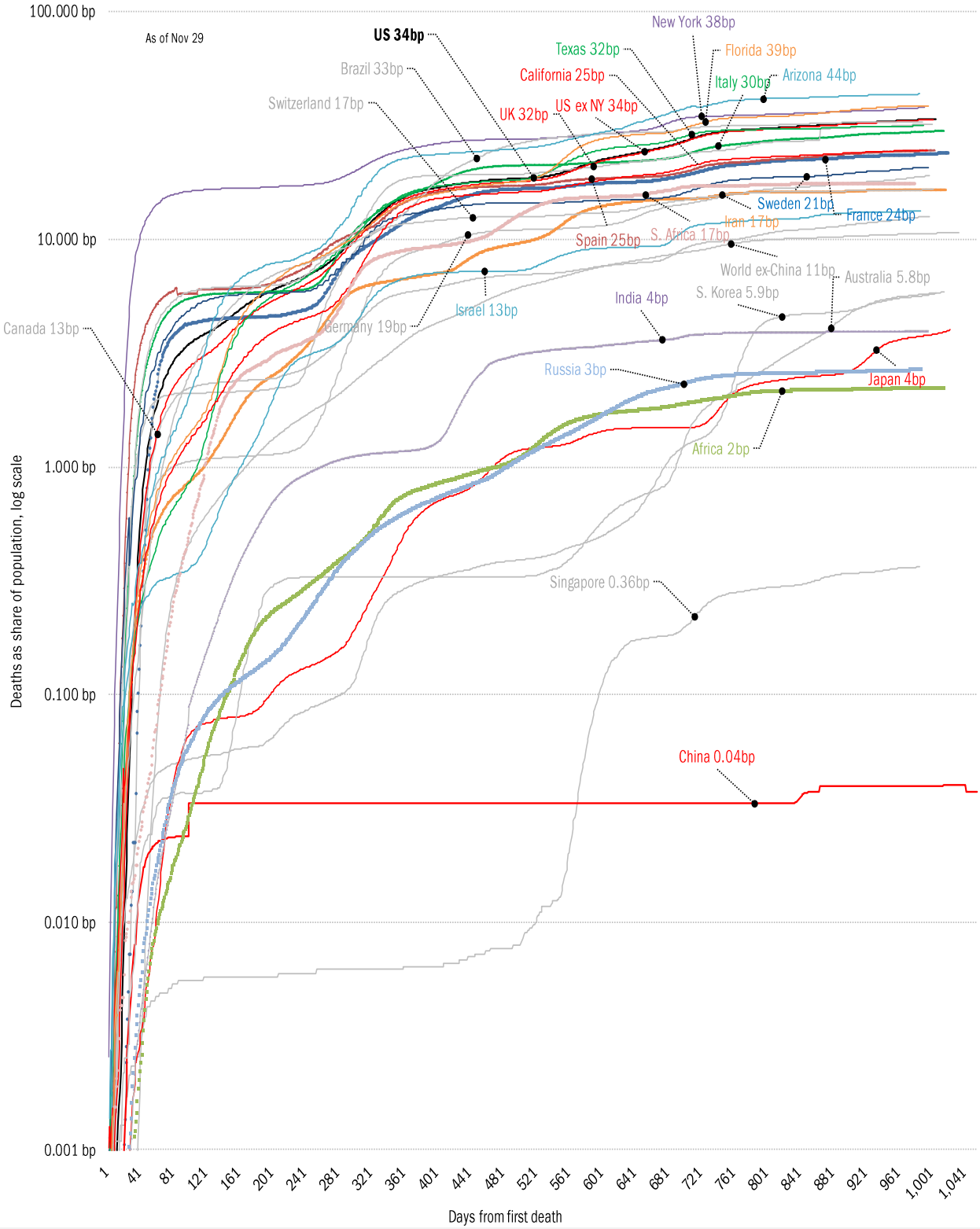
Share of infected population from first day with 100 confirmed cases, log scale



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

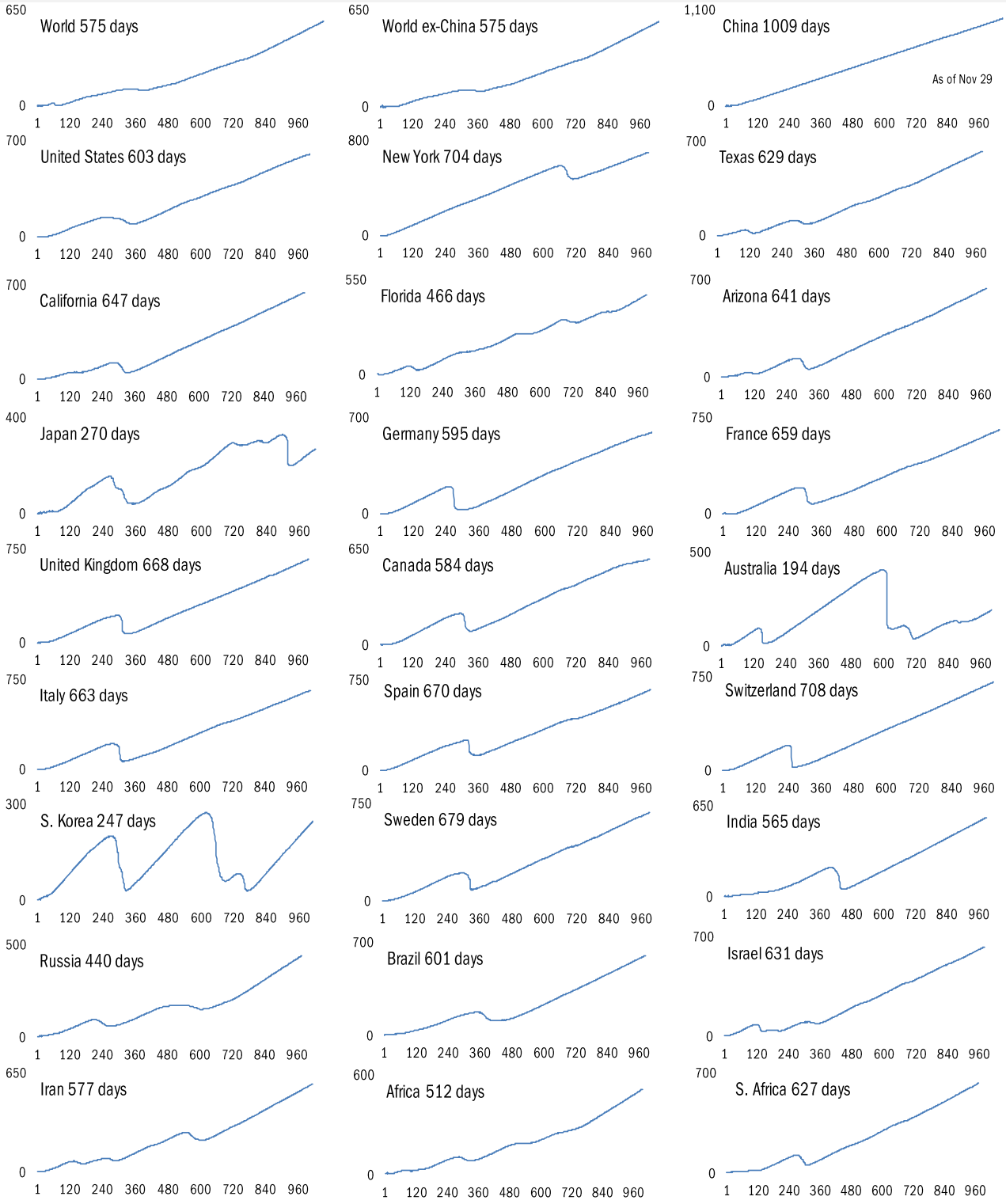


Source: Johns Hopkins, TrendMacro calculations

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

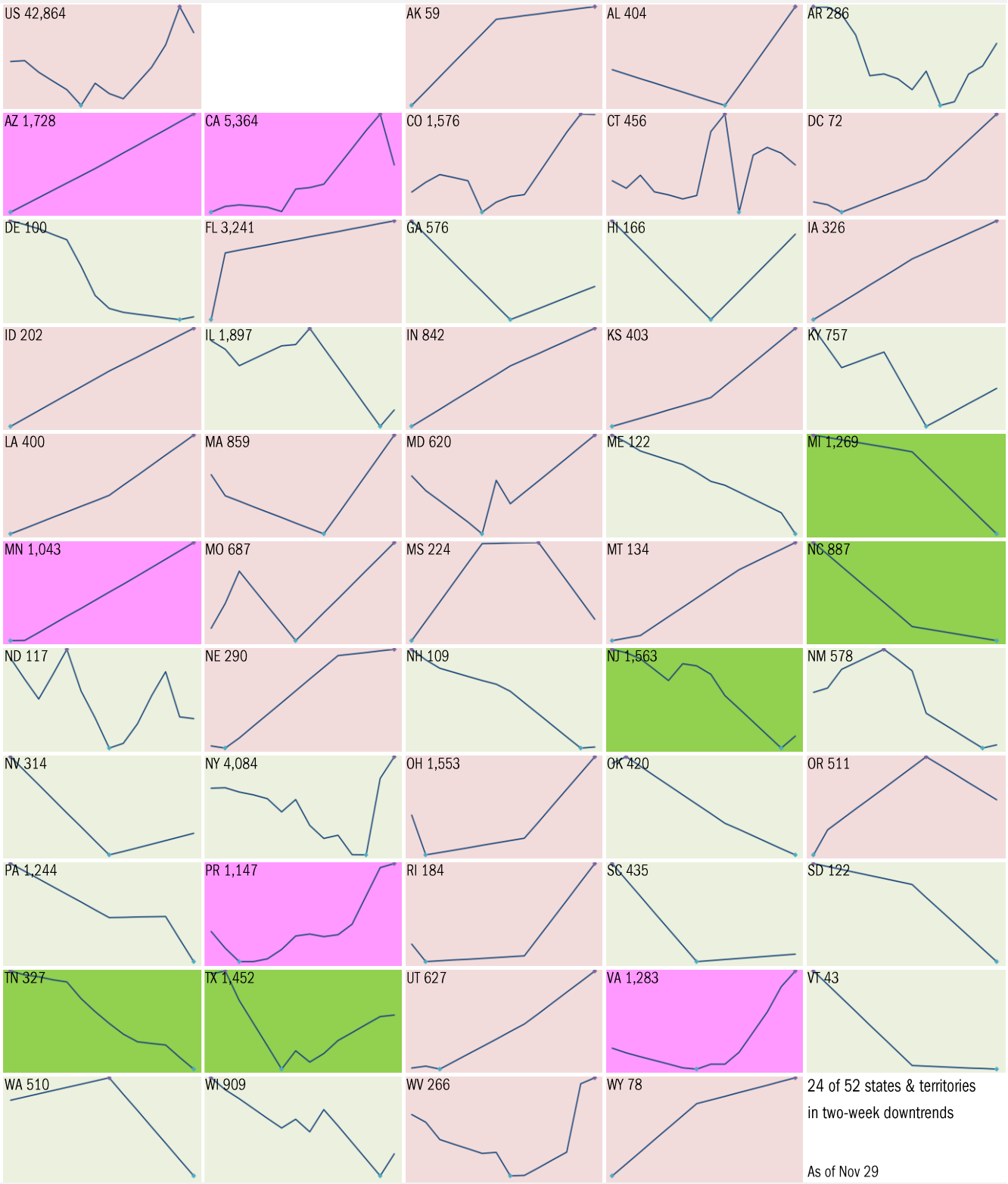


Source: Johns Hopkins, TrendMacro calculations

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

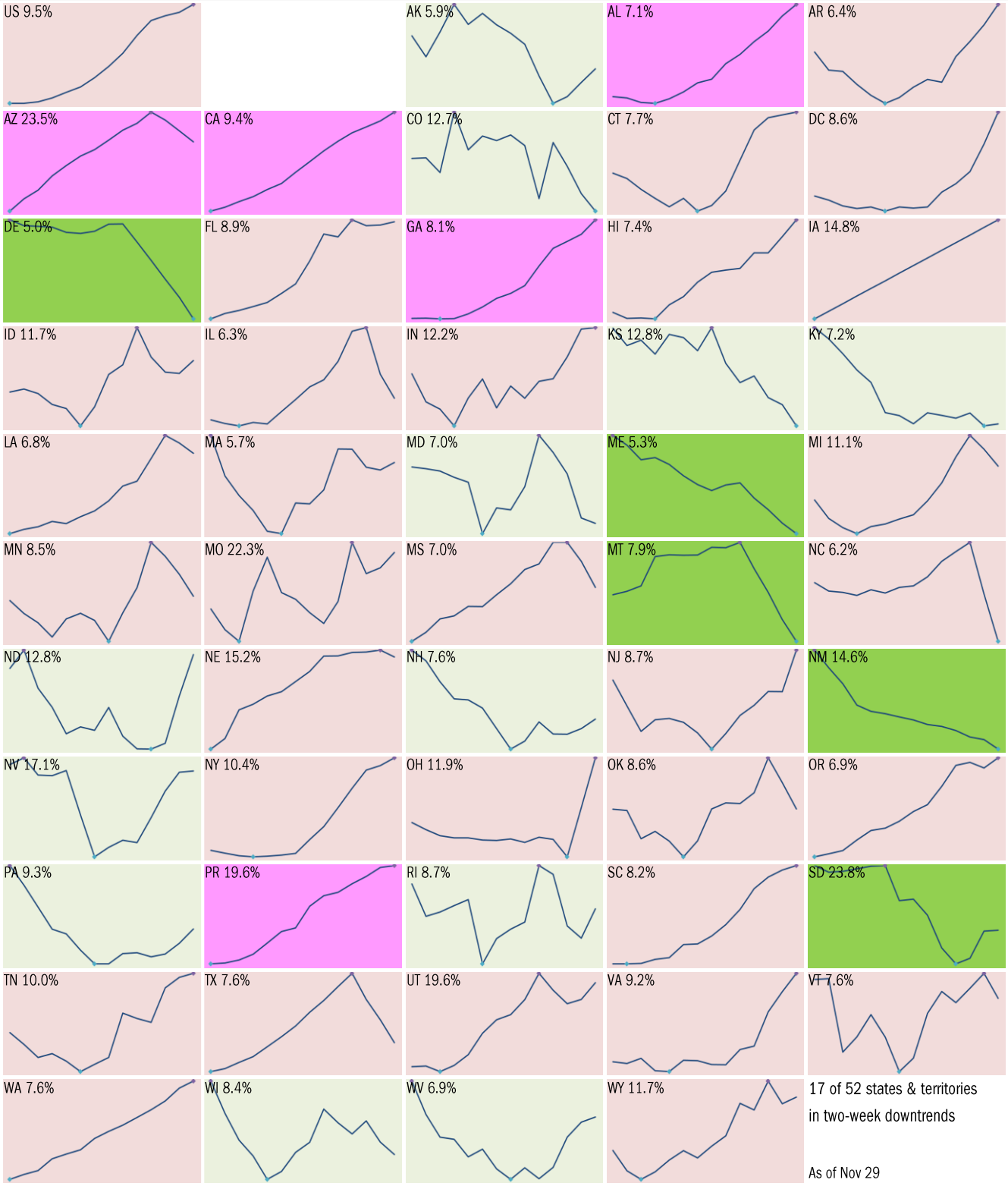


Source: Johns Hopkins, TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

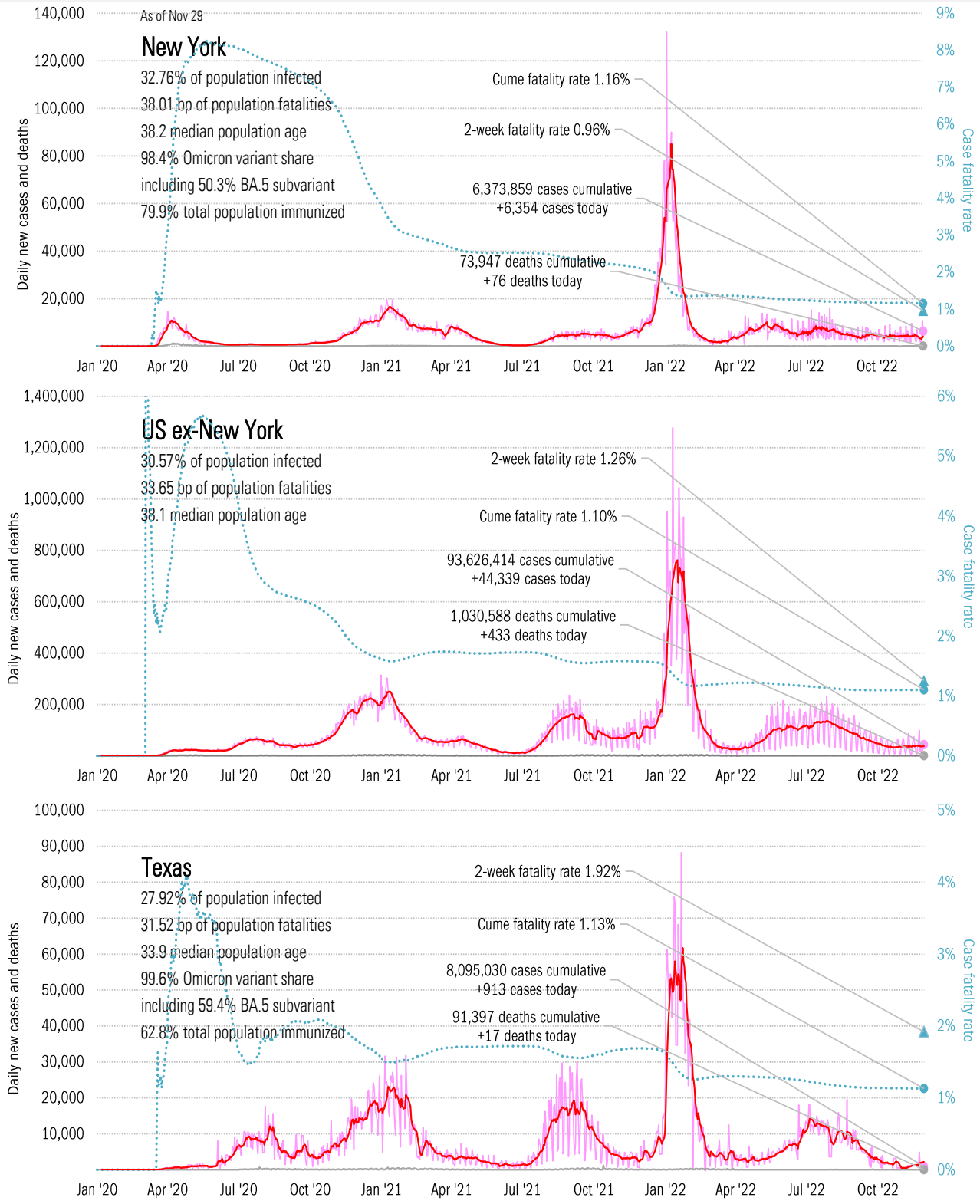
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

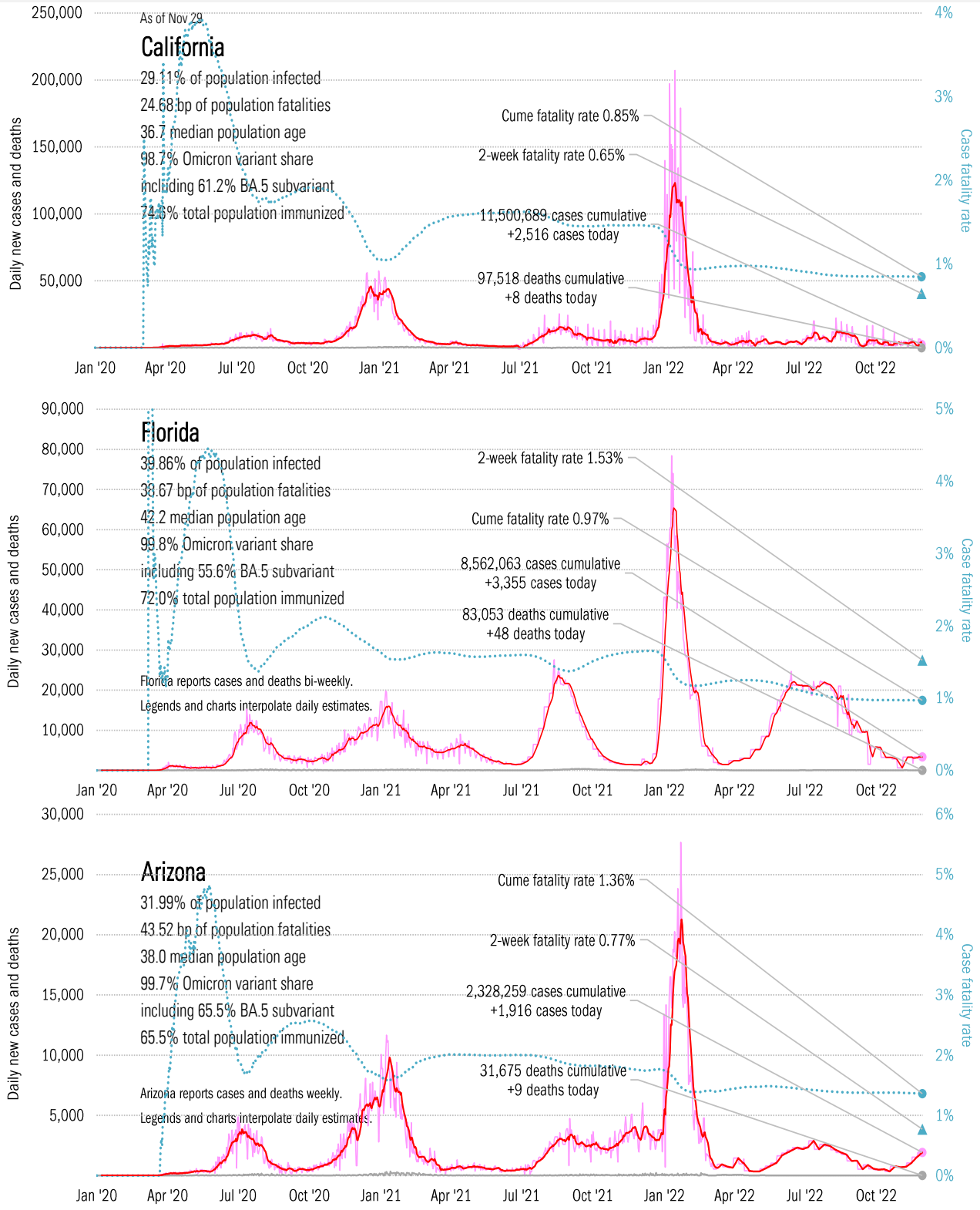
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

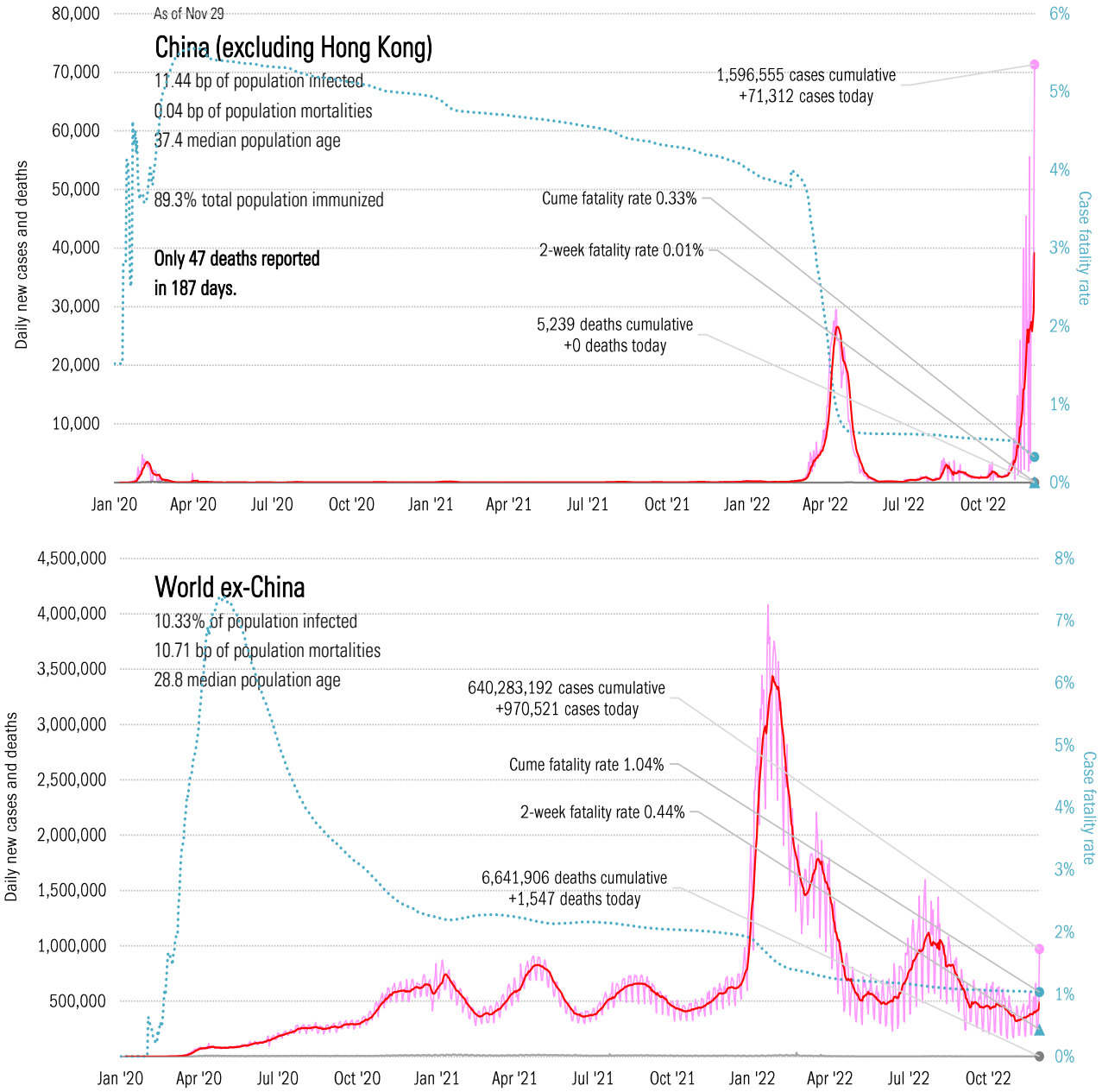
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

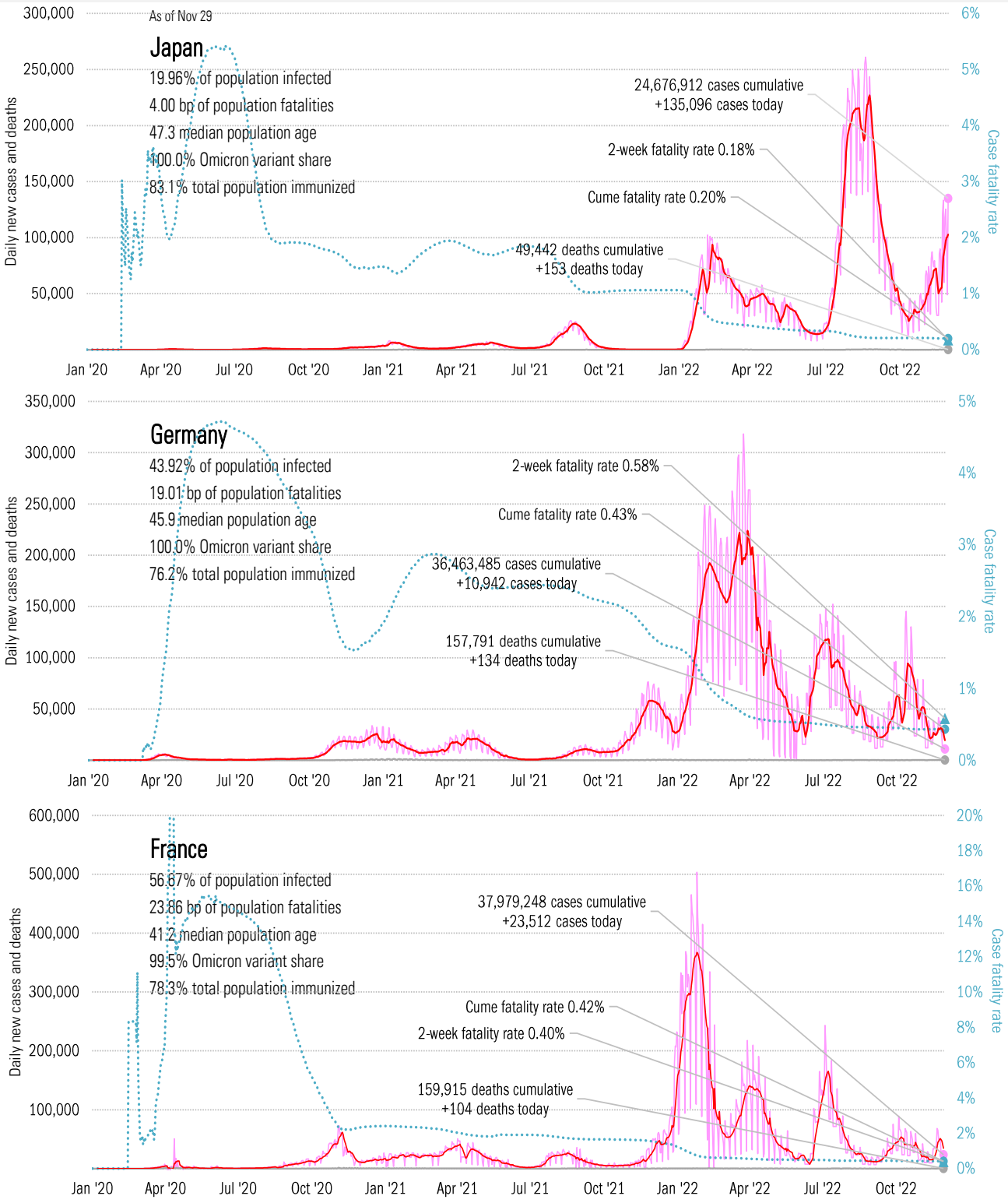
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

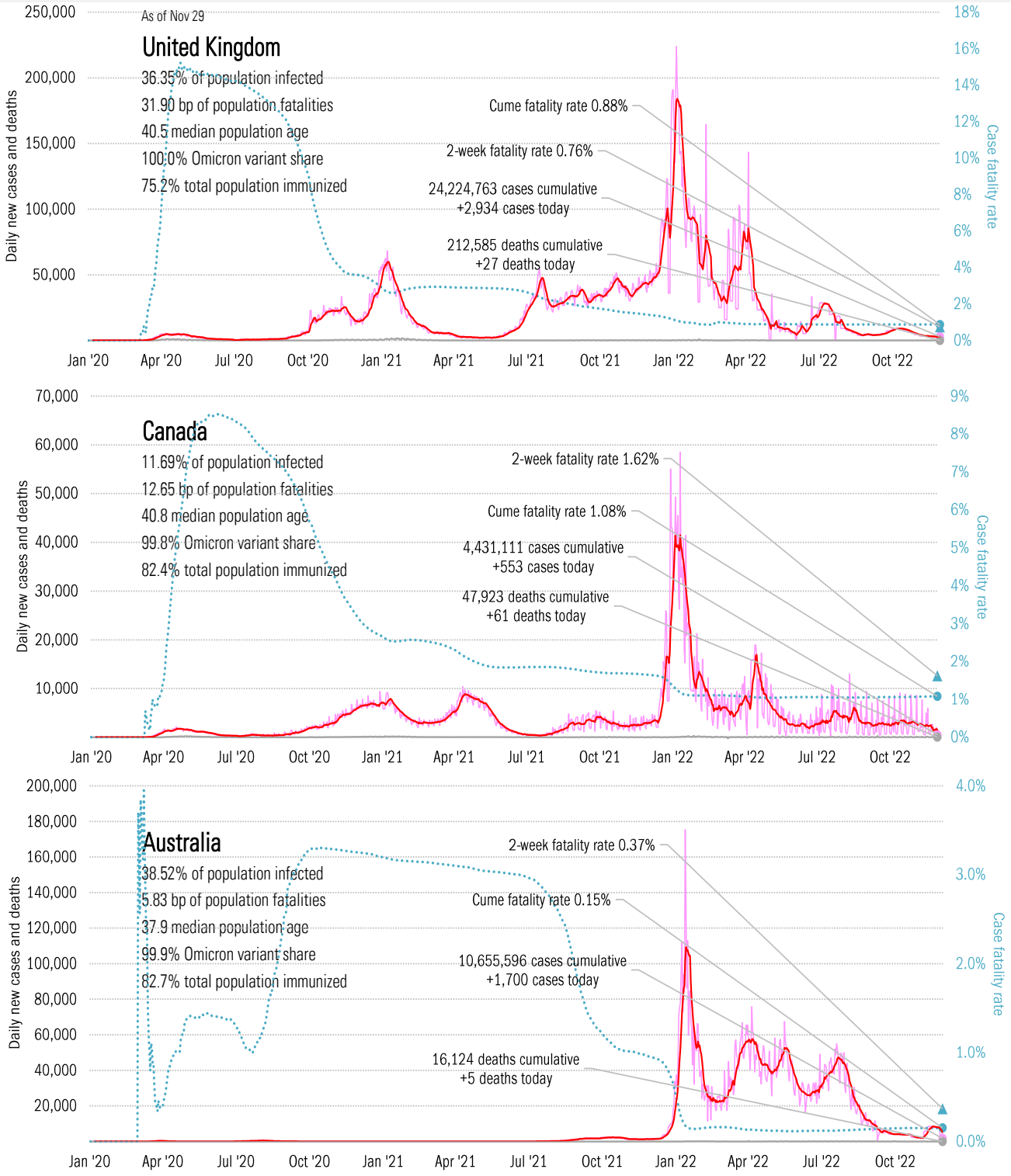
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

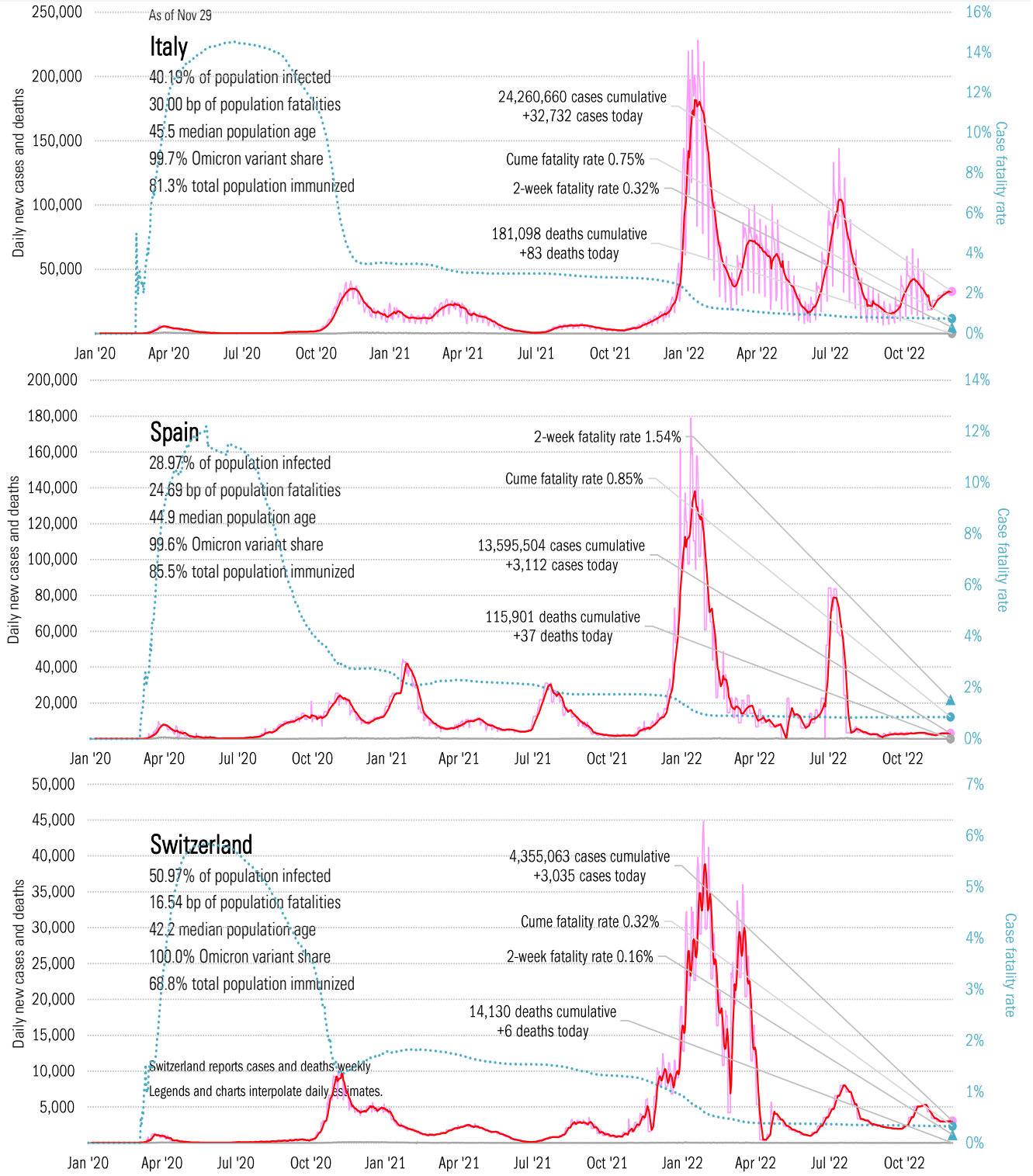
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

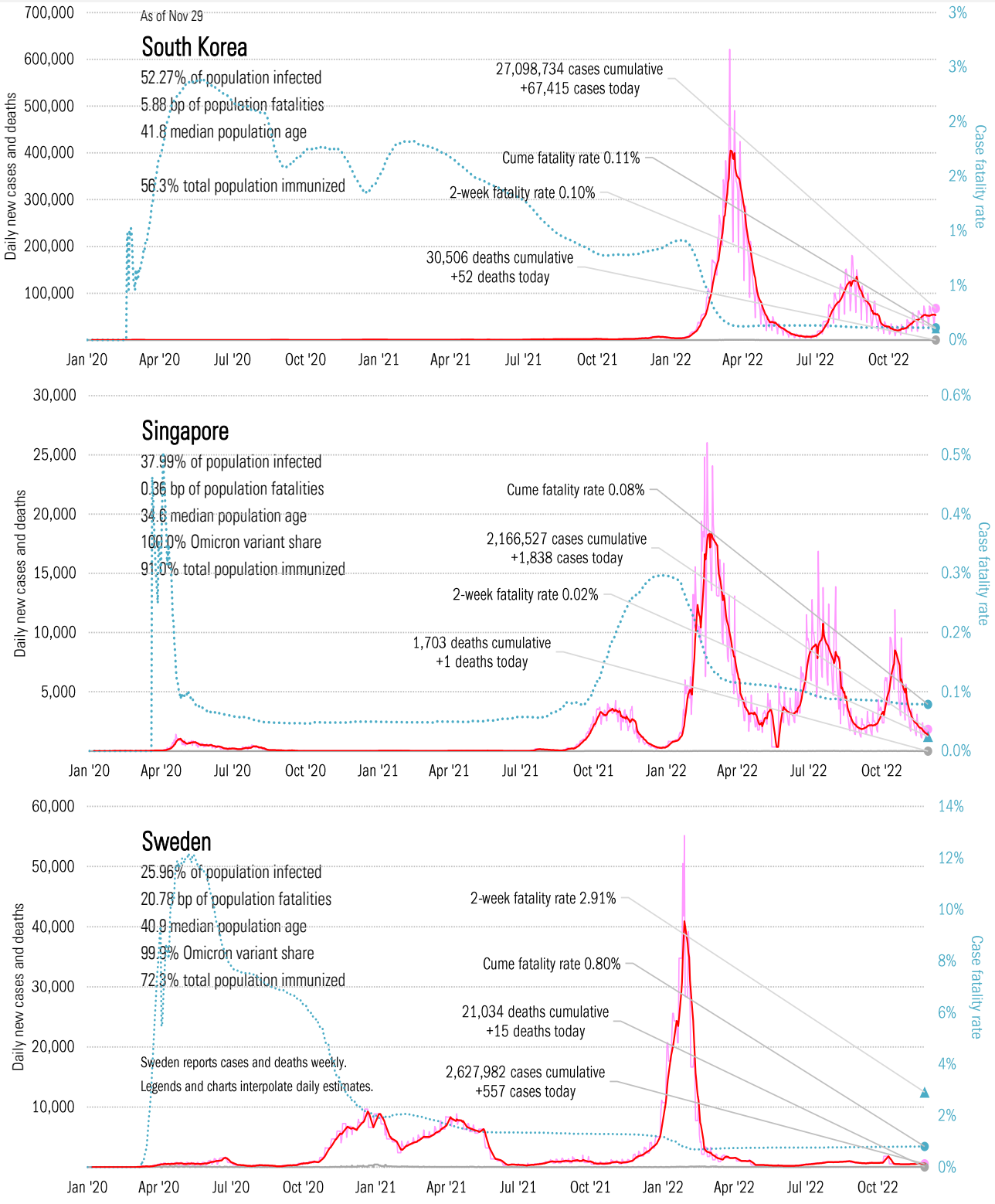
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

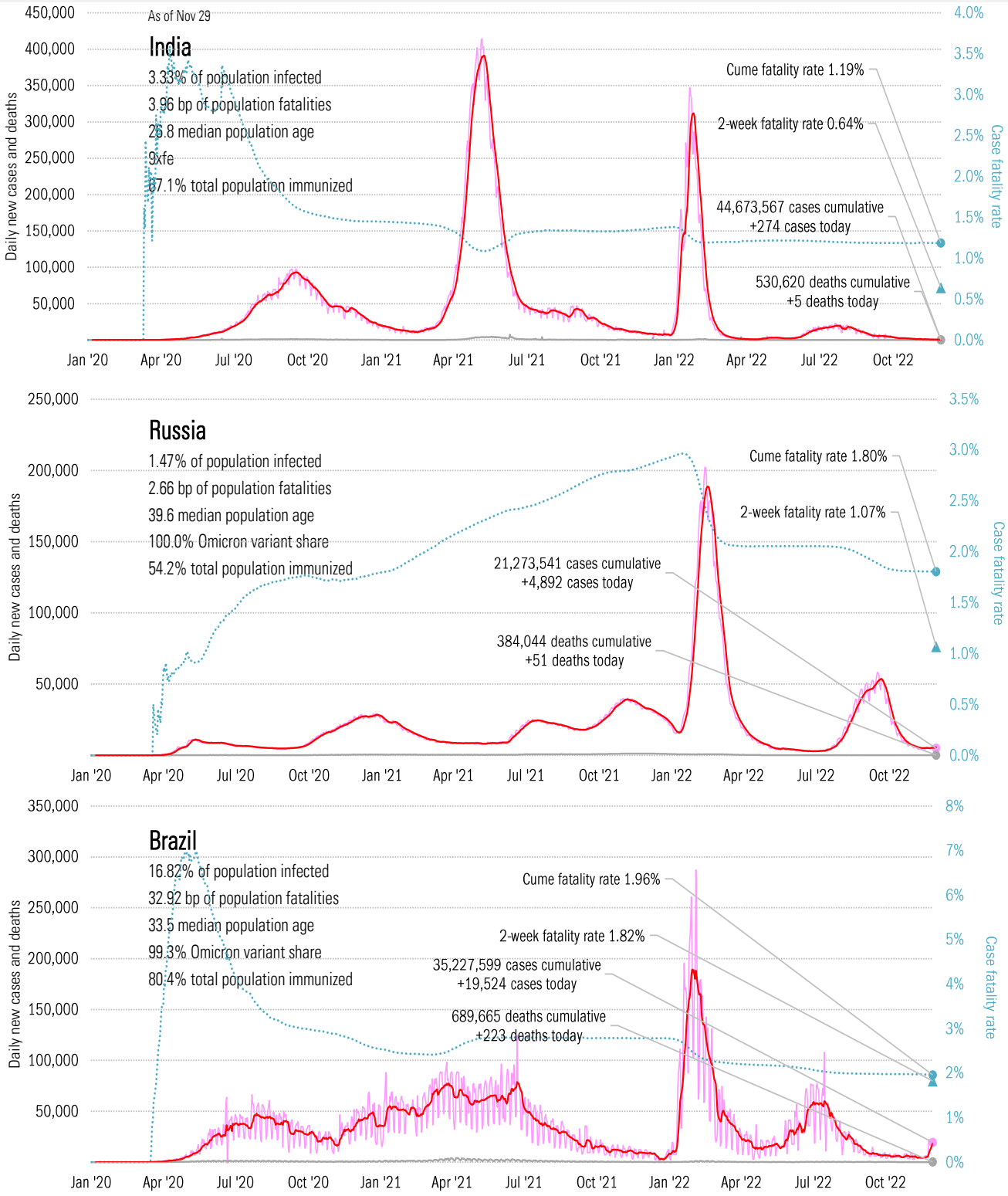
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

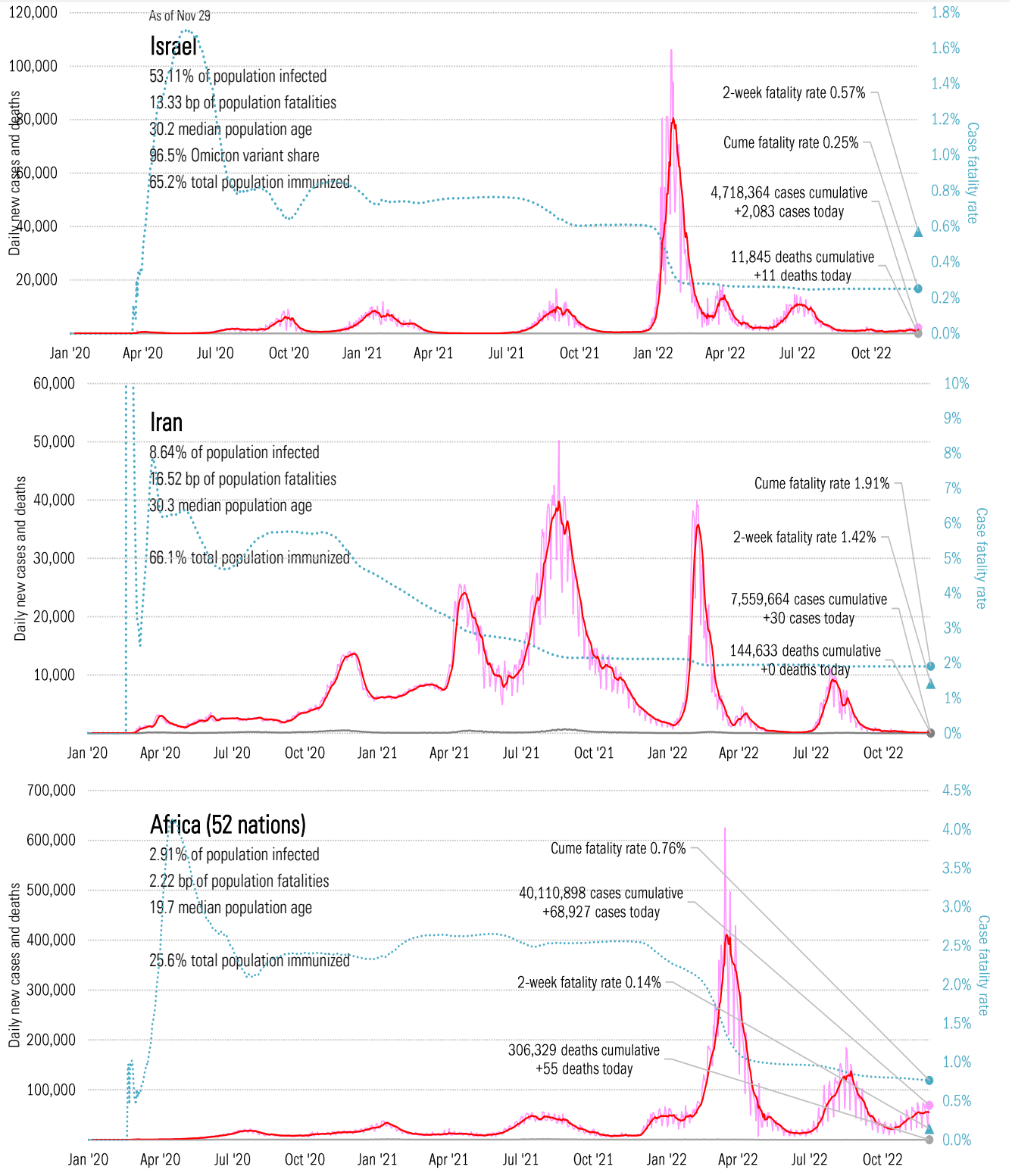
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

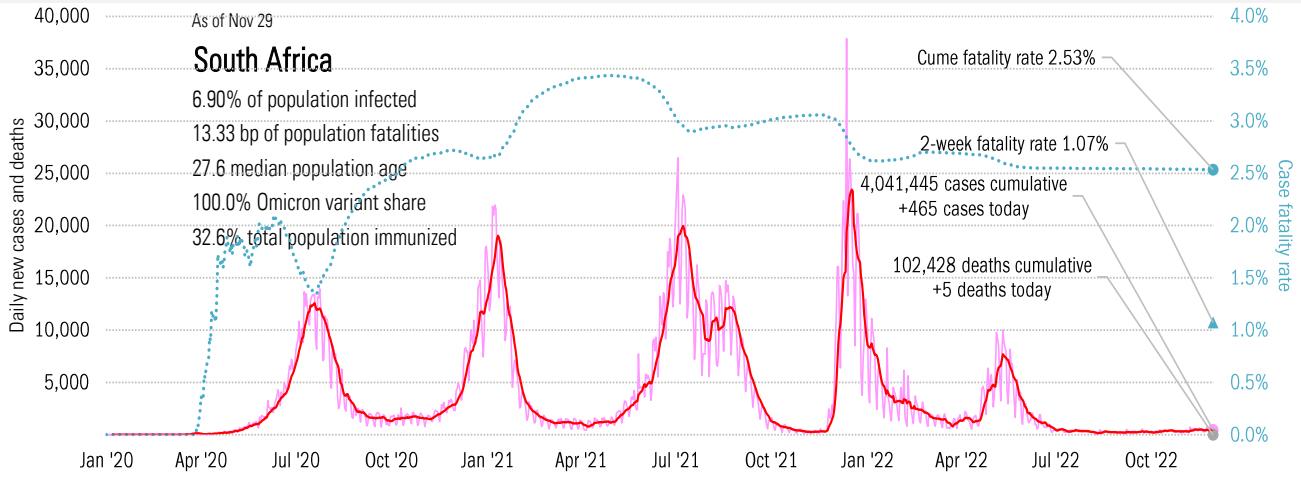
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations