

Data Insights: Covid-2019 Monitor

Thursday, December 8, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

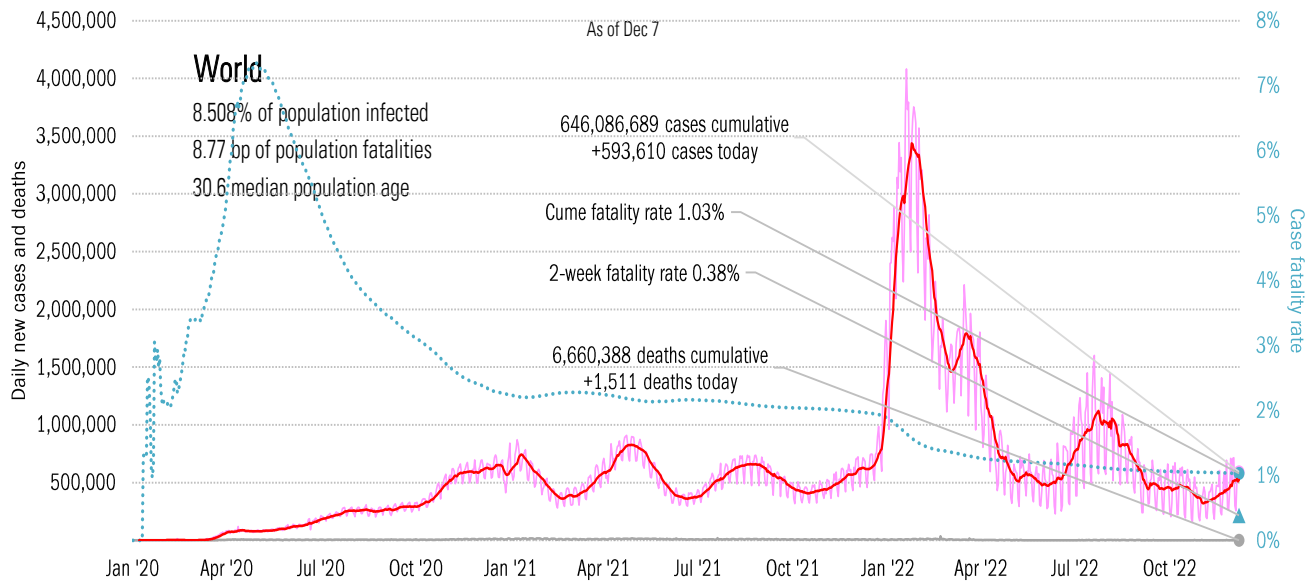
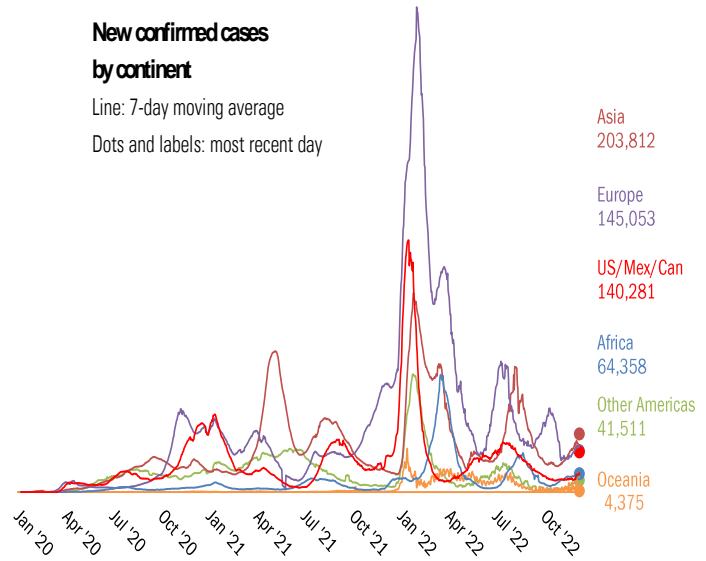
The worst ten countries

New cases		New Deaths	
Japan	149,383	United States	452
United States	80,996	Japan	211
France	76,029	Brazil	155
Korea, South	65,253	Italy	91
Italy	32,489	Korea, South	61
China	25,276	Russia	57
Brazil	19,548	Canada	52
Taiwan*	16,723	Hungary	50
Peru	15,861	Netherlands	46
Germany	8,051	Indonesia	41
489,610		1,216	
World	593,610	World	1,511
Top ten	82%	Top ten	80%

New confirmed cases by continent

Line: 7-day moving average

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

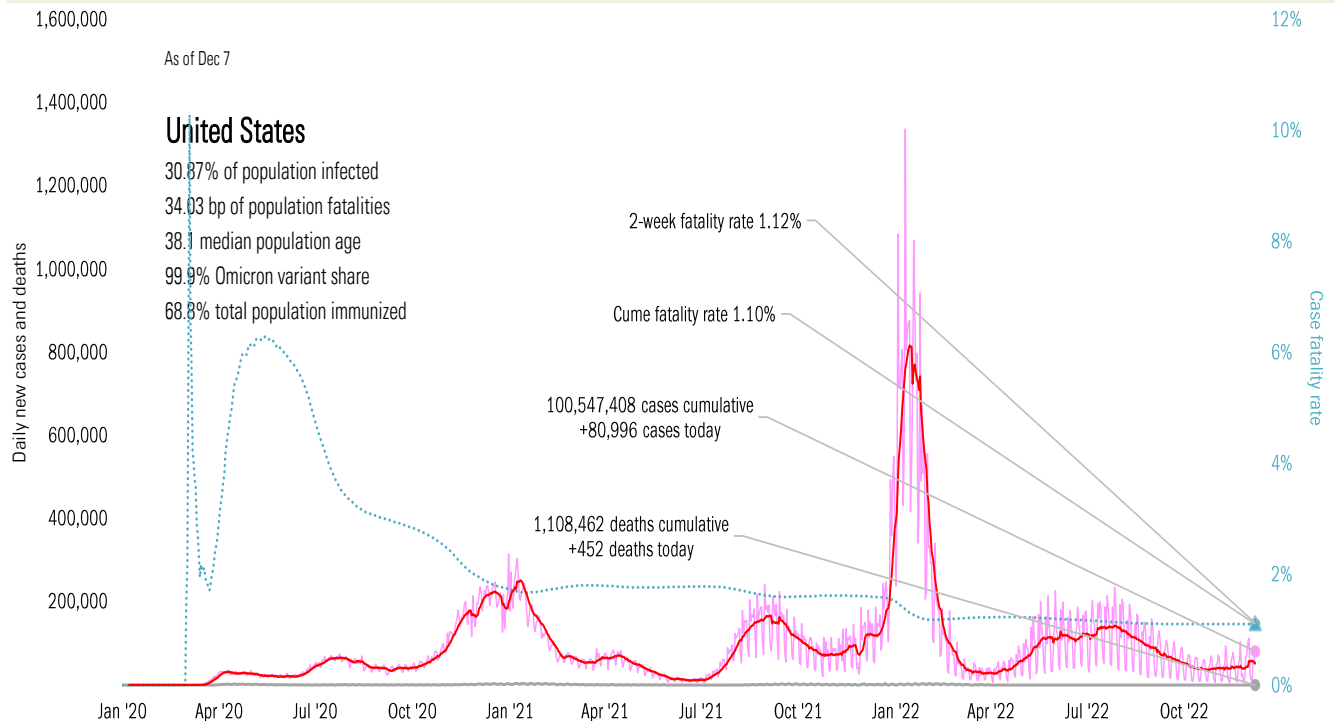
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MI	11,918		NY	51		CA	808		CA	11,561,967		CA	97,682		TX	558,653		RI	91%	NM	92%
NY	5,883		FL	47		GA	170		TX	8,132,211		TX	91,504		CA	525,251		WA	88%	TX	91%
AL	5,807		MI	35		MA	131		FL	7,270,410		FL	83,201		FL	506,092		MA	88%	AL	88%
CA	5,107		CA	27		TN	94		NY	6,425,244		NY	74,217		NY	323,926		NH	88%	MA	87%
FL	4,419		NC	23		LA	82		IL	3,900,000		PA	48,527		GA	231,111		MN	87%	NH	87%
UT	4,394		NM	21		FL	261		PA	3,374,733		GA	41,070		CH	229,701		MO	86%	VT	87%
NV	4,224		PA	20		MN	99		NC	3,286,948		CH	40,558		PA	215,670		WV	85%	GA	86%
IL	4,019		WA	18		AZ	194		CH	3,243,850		IL	40,385		IL	198,045		AK	85%	AK	85%
TX	3,574		NJ	17		IN	140		MI	2,950,361		MI	40,327		MI	171,403		GA	85%	KY	85%
NJ	3,051		VA	16		MI	166		GA	2,943,519		NJ	35,203		KY	148,446		CR	85%	CK	85%
52,396			274			2,145			53,089,243			592,674			3,108,298						
All states	80,996			452			5,305		All states	100,547,408			1,108,462			5,647,584		All states	70%		67%
Top ten	65%			61%			40%		Top ten	53%			55%			55%		Median	81%		78%

Some states not reporting

Five most improved US states

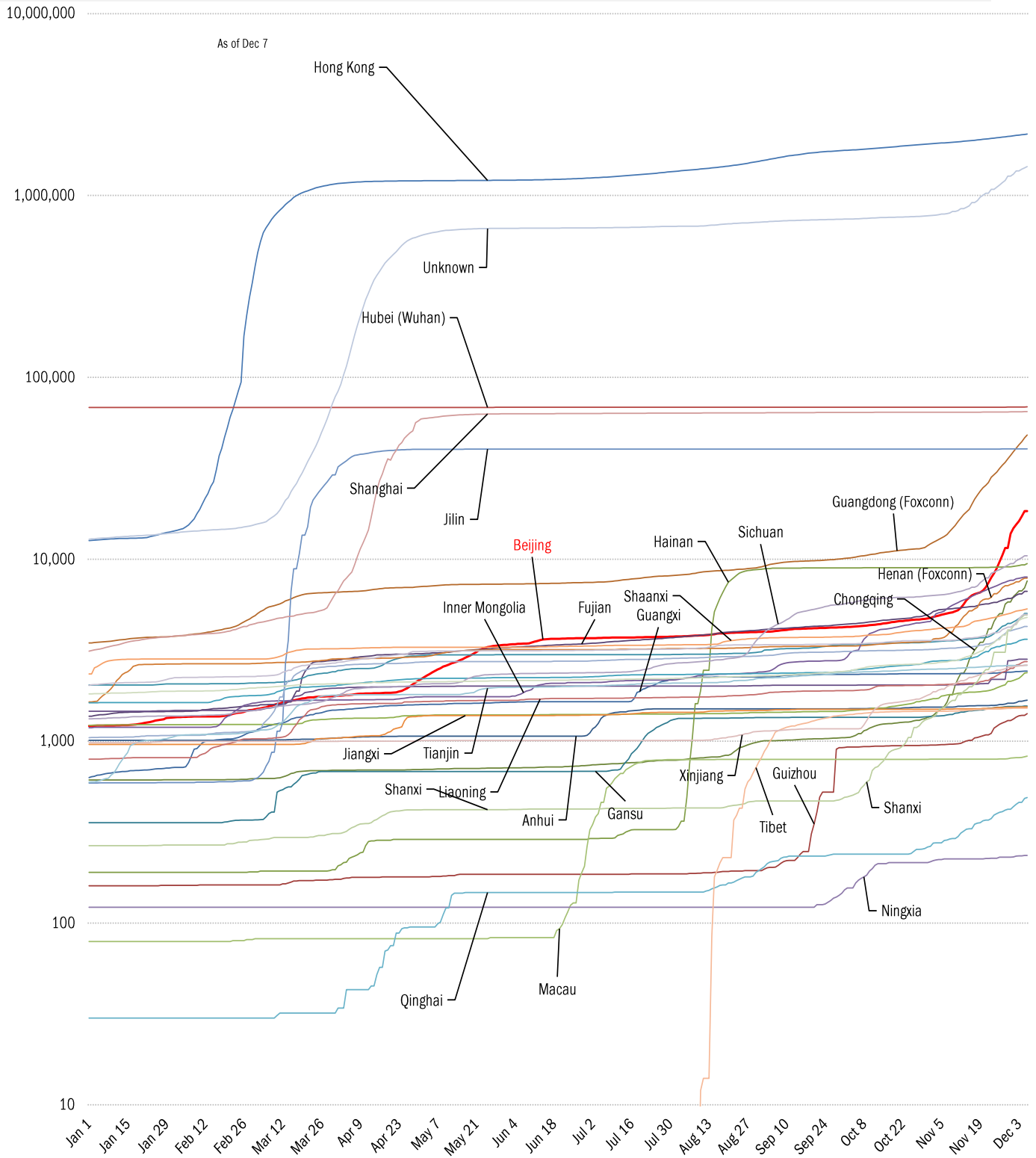
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
MD	-1,306	NY	-25	TX	-206
MO	-615	MA	-13	CA	-161
CT	-176	MD	-9	NY	-113
ME	-141	IL	-4	CH	-92
AR	-97	TN	-4	KY	-76



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

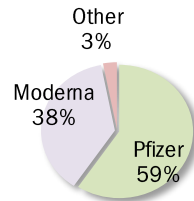
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative	Today	Immunity	Full	Partial
	671,635,963	+0.328 million	US	68.8%	80.7%
		Of which boosters: +0.325 million	UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today
Total population	275,701,442	83%	235,149,532	70%	+0.017 million
Age 12 to 17	18,361,225	73%	15,723,595	62%	+0.001 million
Age 18 to 64	183,423,335	90%	156,037,449	77%	+0.007 million
Age 65 and over	60,769,877	100%	53,226,370	97%	+0.001 million

France	78.3%	80.5%
Spain	85.5%	86.9%
Germany	76.2%	77.8%
Italy	81.3%	86.2%
Australia	82.7%	85.0%
Israel	65.2%	71.1%
Canada	82.4%	89.2%
Japan	83.1%	84.2%
Africa	25.6%	31.7%
India	67.1%	72.5%
Brazil	80.9%	87.3%
China	89.3%	91.5%

Global data differs due to sources, timing



AK
72.5%
64.8%

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

"Immunity" = two doses

Best
Middle
Worst

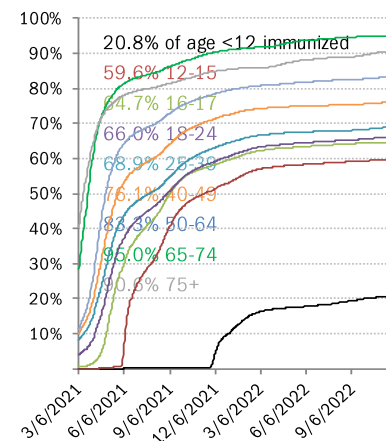
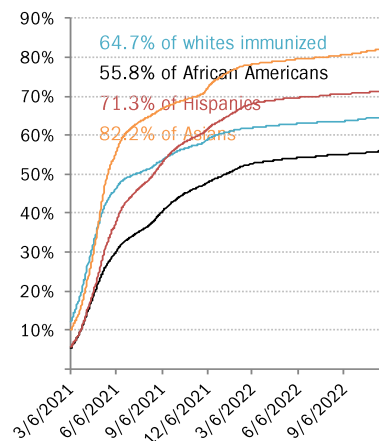
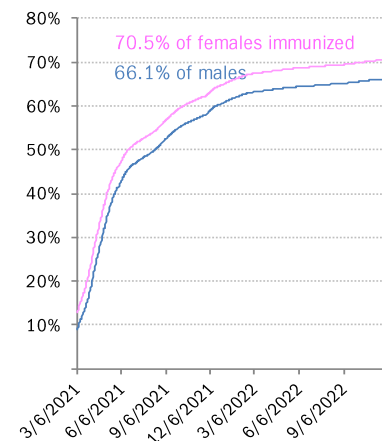
WI
74.6%
67.8%

As of Dec 2

ME
95.0%
82.7%

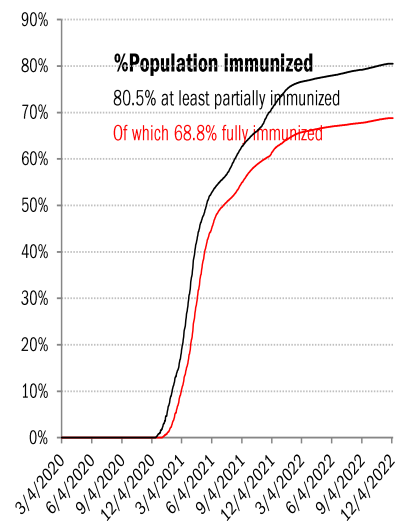
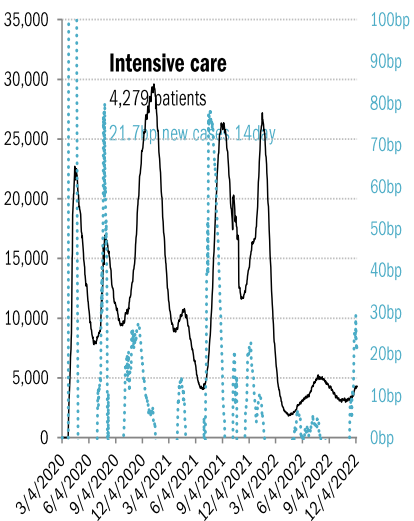
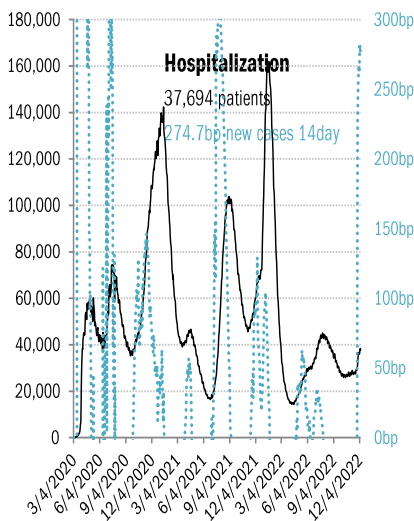
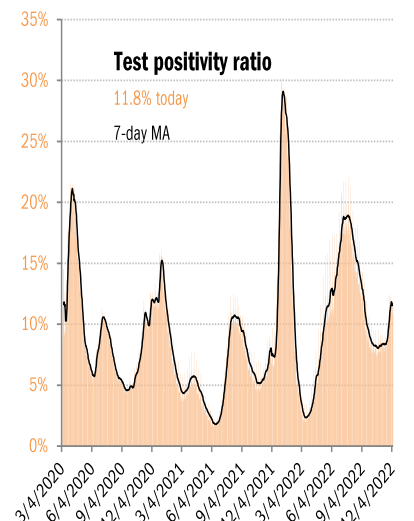
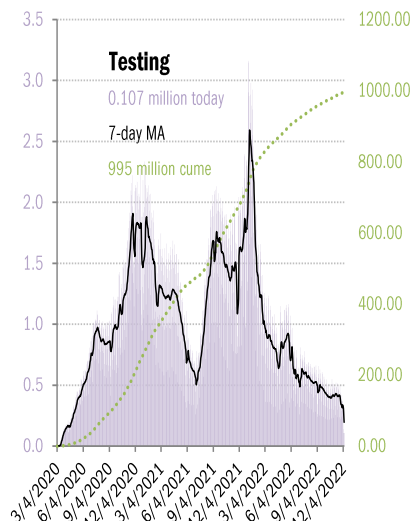
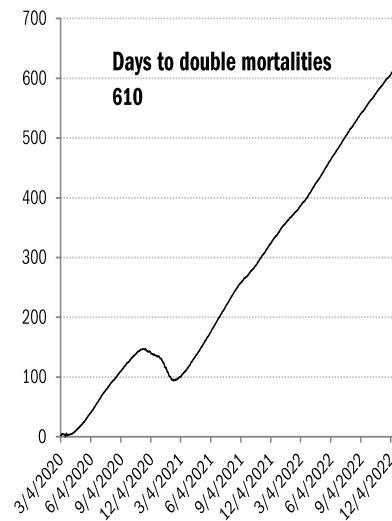
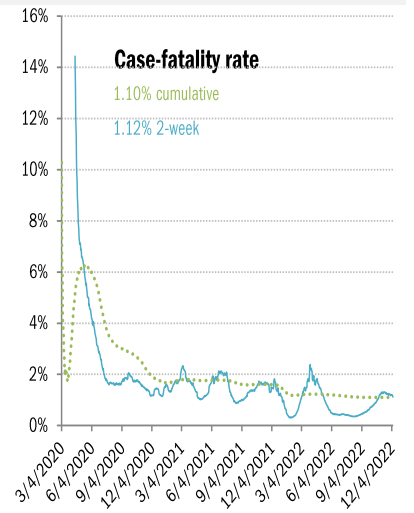
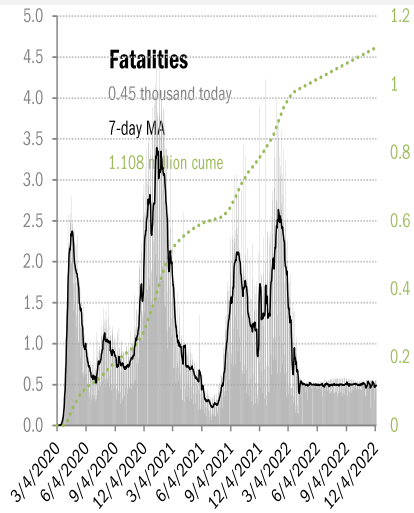
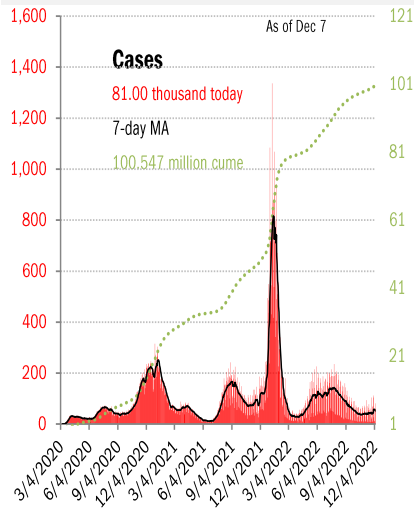
WA: 84.5% / 75.5%	ID: 63.5% / 56.1%	MT: 67.8% / 58.8%	ND: 68.8% / 58.2%	MN: 78.2% / 71.6%	IL: 78.8% / 70.9%	MI: 69.1% / 62.0%	NY: 93.7% / 80.1%	VT: 95.0% / 84.8%	NH: 86.4% / 70.5%	
OR: 80.9% / 71.8%	NV: 78.3% / 63.1%	WY: 60.5% / 52.8%	SD: 83.0% / 65.7%	IA: 70.2% / 64.0%	IN: 64.0% / 57.5%	OH: 65.3% / 60.1%	PA: 89.7% / 72.5%	NJ: 93.9% / 78.6%	MA: 95.0% / 83.4%	
CA: 84.0% / 74.2%	UT: 74.7% / 66.3%	CO: 83.1% / 73.0%	NE: 72.9% / 65.8%	MO: 68.9% / 58.6%	KY: 68.4% / 59.3%	WV: 67.1% / 59.4%	VA: 90.2% / 76.1%	MD: 90.9% / 79.1%	CT: 95.0% / 82.5%	RI: 95.0% / 87.0%
AZ: 76.7% / 65.6%	NM: 93.3% / 74.6%	KS: 75.6% / 64.8%	AR: 69.4% / 56.5%	TN: 64.1% / 56.1%	NC: 90.9% / 66.3%	SC: 70.5% / 59.5%	DC: 95.0% / 84.6%	DE: 86.7% / 72.0%		
OK: 74.1% / 60.0%	LA: 62.5% / 54.8%	MS: 61.4% / 53.5%	AL: 64.7% / 52.9%	GA: 67.7% / 56.7%						
HI: 90.8% / 81.0%	TX: 75.7% / 62.9%						FL: 81.9% / 69.0%		PR: 95.0% / 86.7%	

The demographics of US vaccination

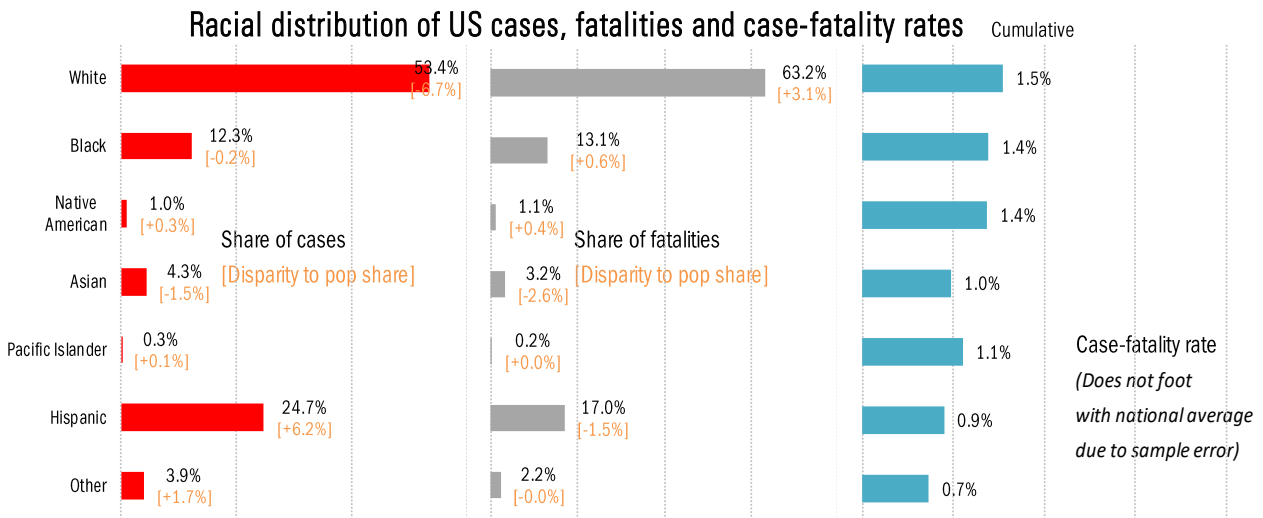
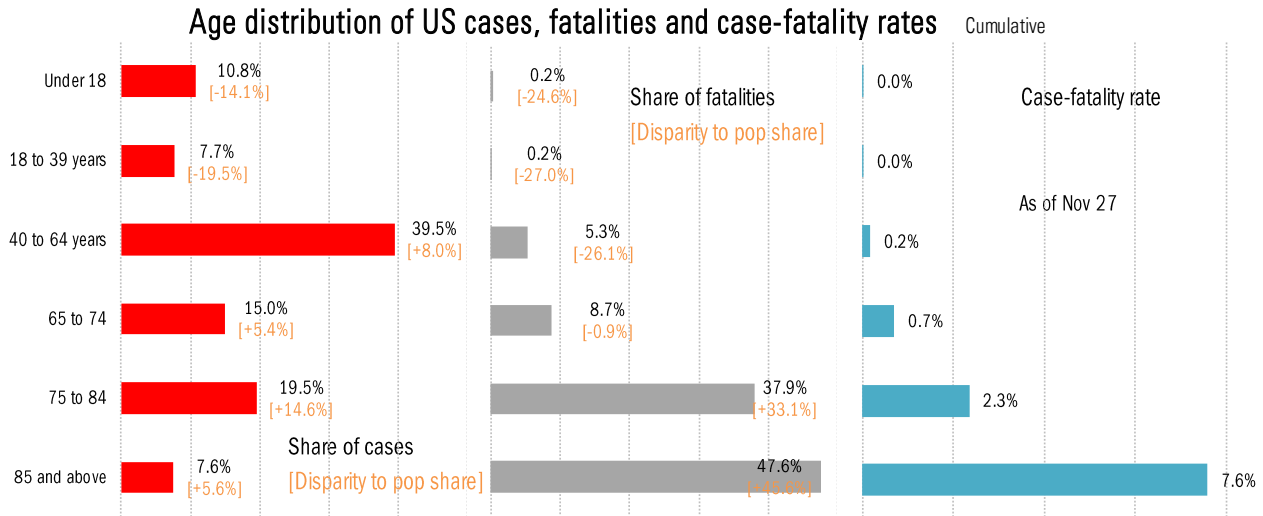


Source: CDC, CDC, Our World in Data, TrendMacro calculations

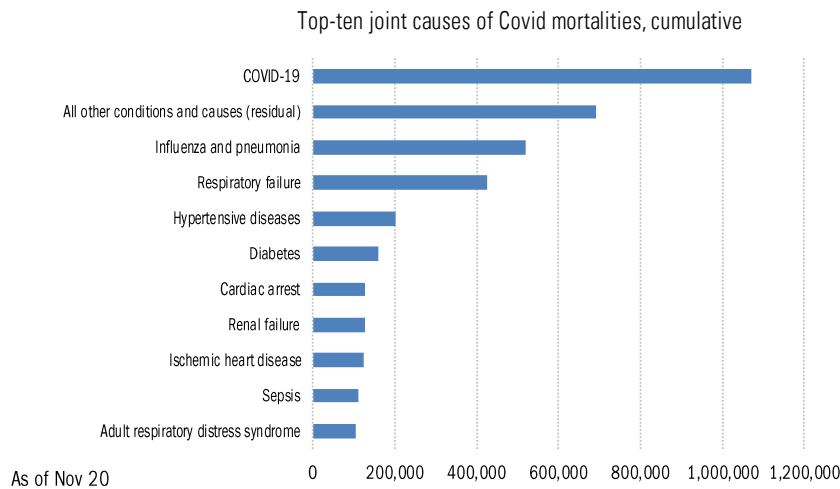
US deep-dive



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

[Hong Kong Shortens Covid Isolation, Eases Testing for Travelers](#)

Shirley Zhao
Bloomberg
December 8, 2022

[‘Weakened’ President Xi faces being toppled in coup after humiliating Covid climbdown, warns ex-diplomat](#)

Katie Davis
US Sun
December 7, 2022

[COVID-19 vaccine boosters for young adults: a risk benefit assessment and ethical analysis of mandate policies at universities](#)

Kevin Bardosh et al.
BMJ Journal of Medical Ethics
December 5, 2022

[Duke University surgeons are refusing a 14-year-old girl a kidney transplant because she has not received the Covid shot](#)

Alex Berenson
Unreported Truths
December 7, 2022

[mRNA Covid booster campaigns have flamed out. Will lower excess mortality follow?](#)

Alex Berenson
Unreported Truths
December 5, 2022

Meme of the Day

Shanghai Macro Strategist
@ShanghaiMacro

What a sharp turn in narrative! The state media CCTV featured the head of Beijing Institute of Respiratory Health, who stated that "compared with the 2009 H1N1, Omicron is less likely to cause pneumonia and severe symptoms." He is not even comparing Omicron to Alpha and Delta...

权威解读：奥密克戎变异株导致肺炎或重症比例比流感低

葛冬瑾 刚刚

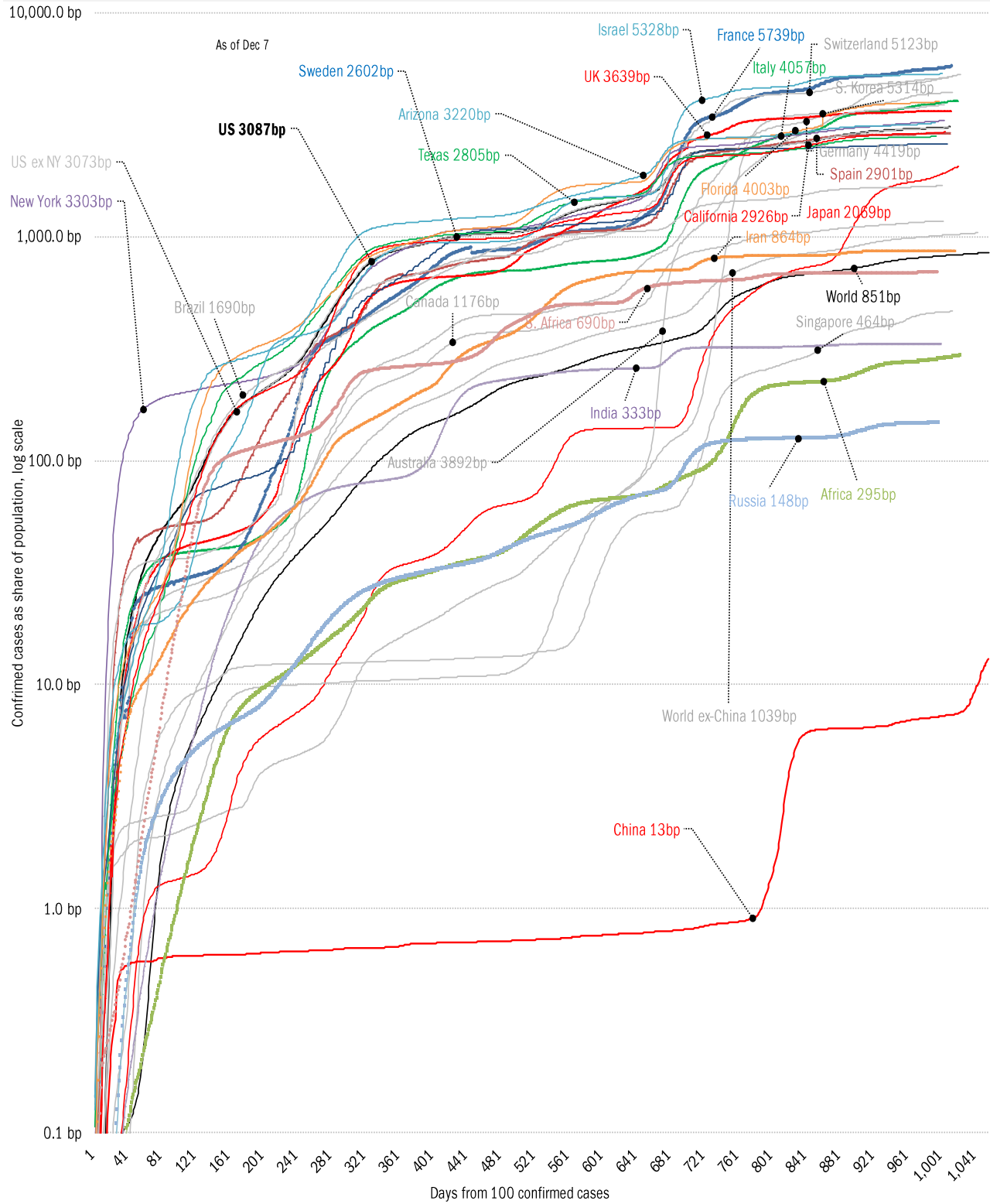
“摘要：据央视新闻，北京市呼吸疾病研究所所长童朝晖表示，国际和国内监测数据证实，奥密克戎变异株及其进化分支的...”

据央视新闻，北京市呼吸疾病研究所所长童朝晖表示，国际和国内监测数据证实，奥密克戎变异株及其进化分支的致病力和毒力相比原始株和德尔塔等变异株明显减弱。童朝晖表示，奥密克戎变异株引起重症和死亡的比例明显低于之前原始株和关切变异株，这既是奥密克戎变异株的特点，也与人群接种疫苗免疫水平提高和国家采取的积极预防策略有关。与2009年全球流感流行时期相比，目前奥密克戎变异株导致肺炎或者重症、危重症的比例相对较低。

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

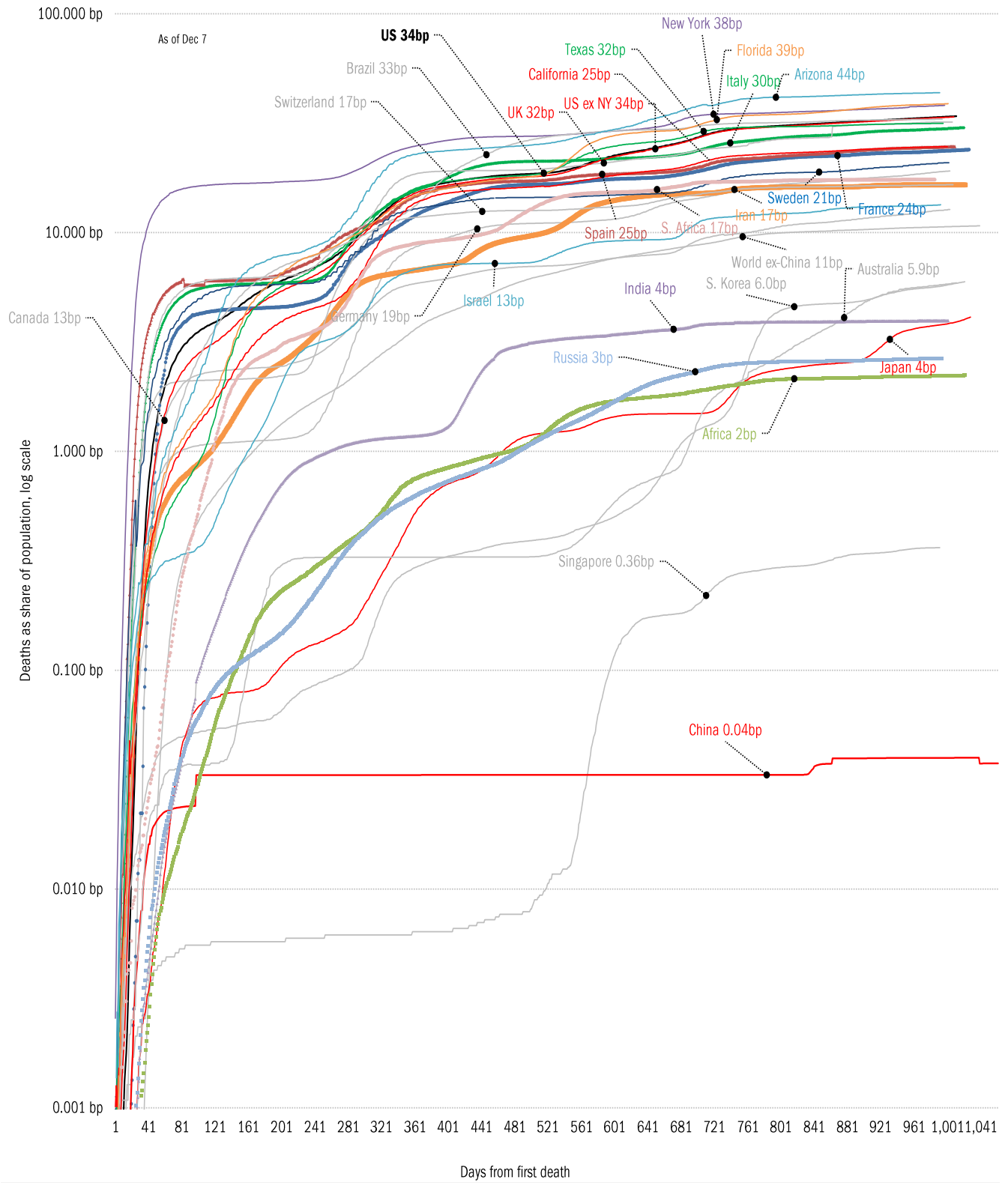
The global coronavirus case accelerometer... tracking the world's infection curves

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

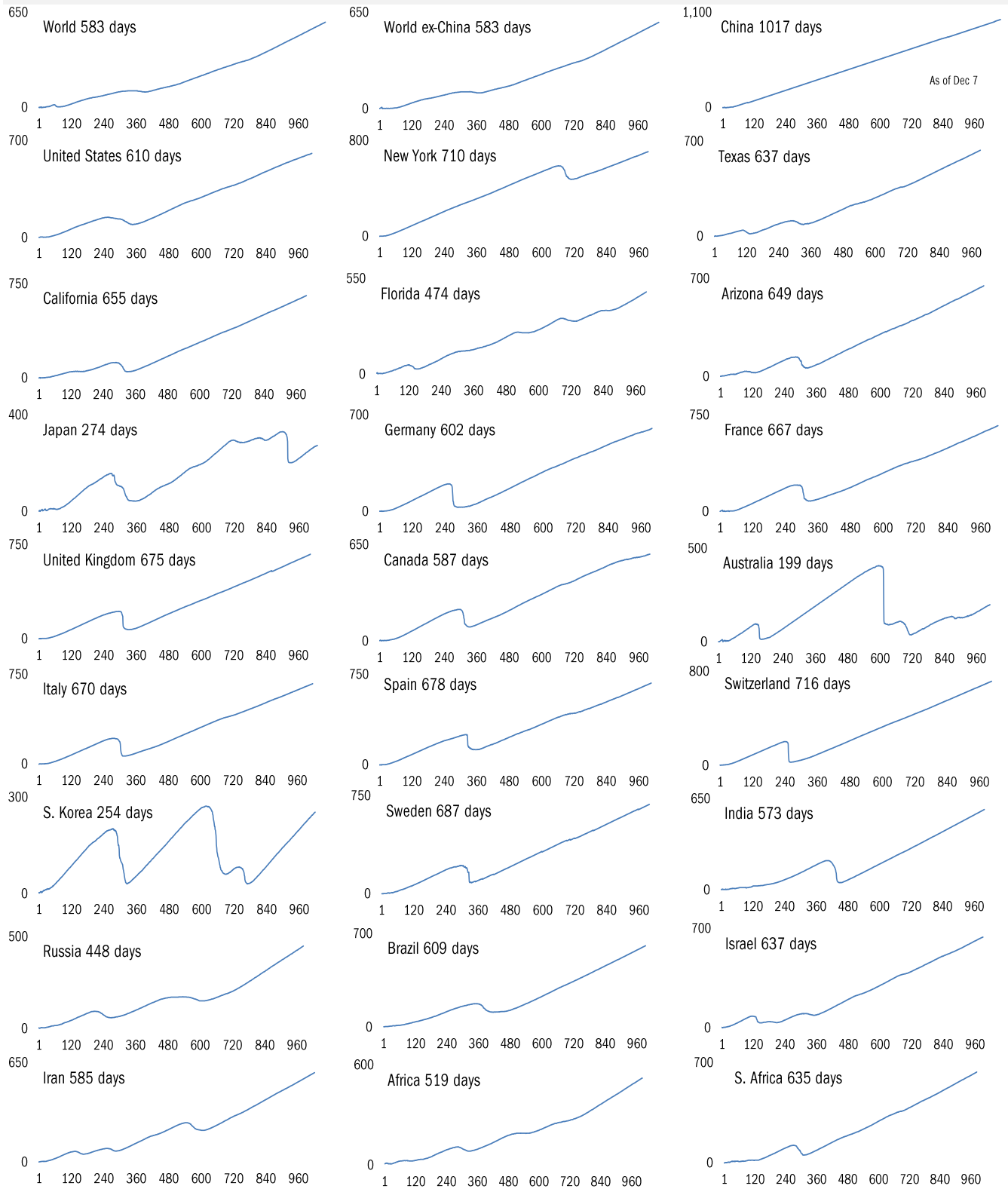


Source: [Johns Hopkins](#), TrendMacro calculations

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

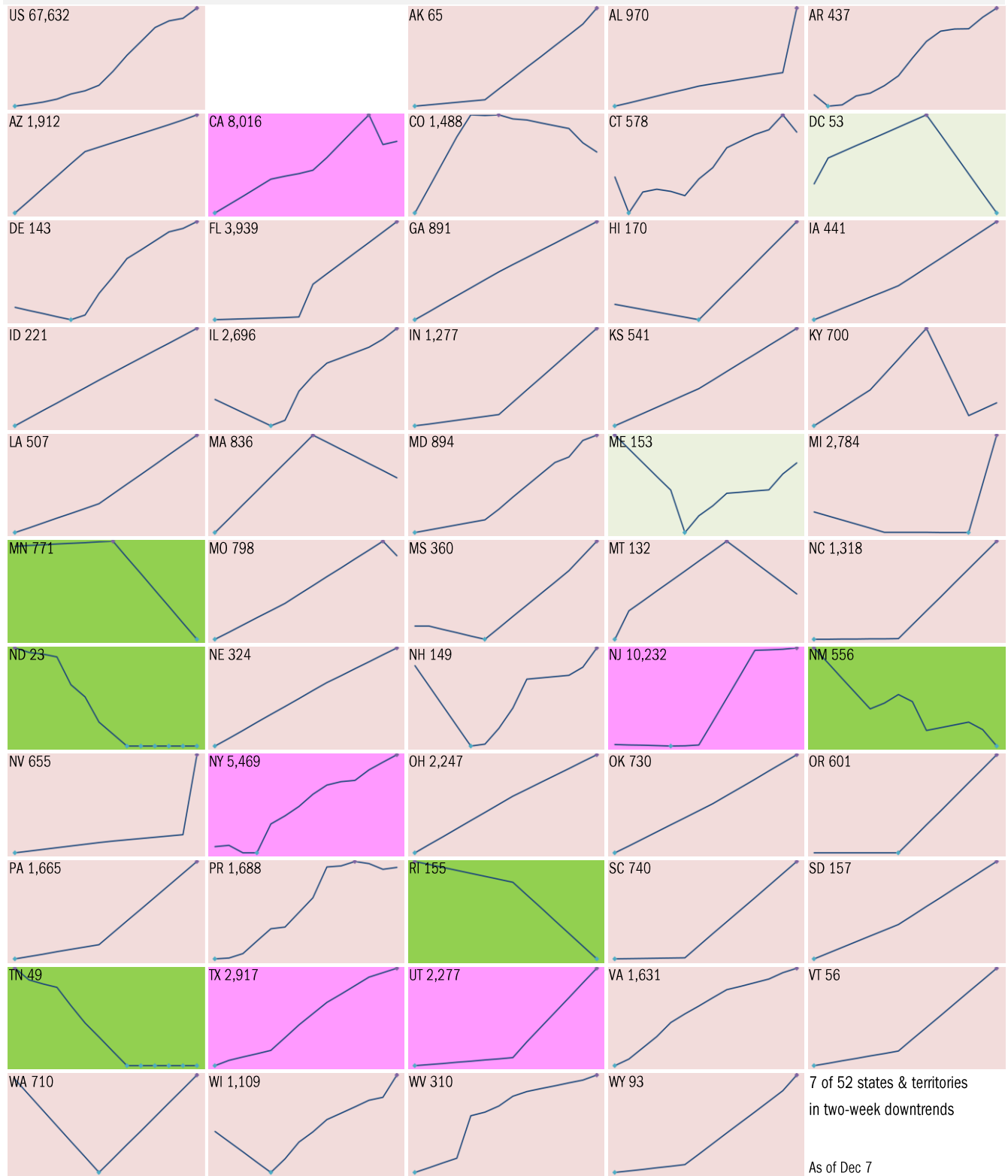


Source: [Johns Hopkins](#), TrendMacro calculations

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

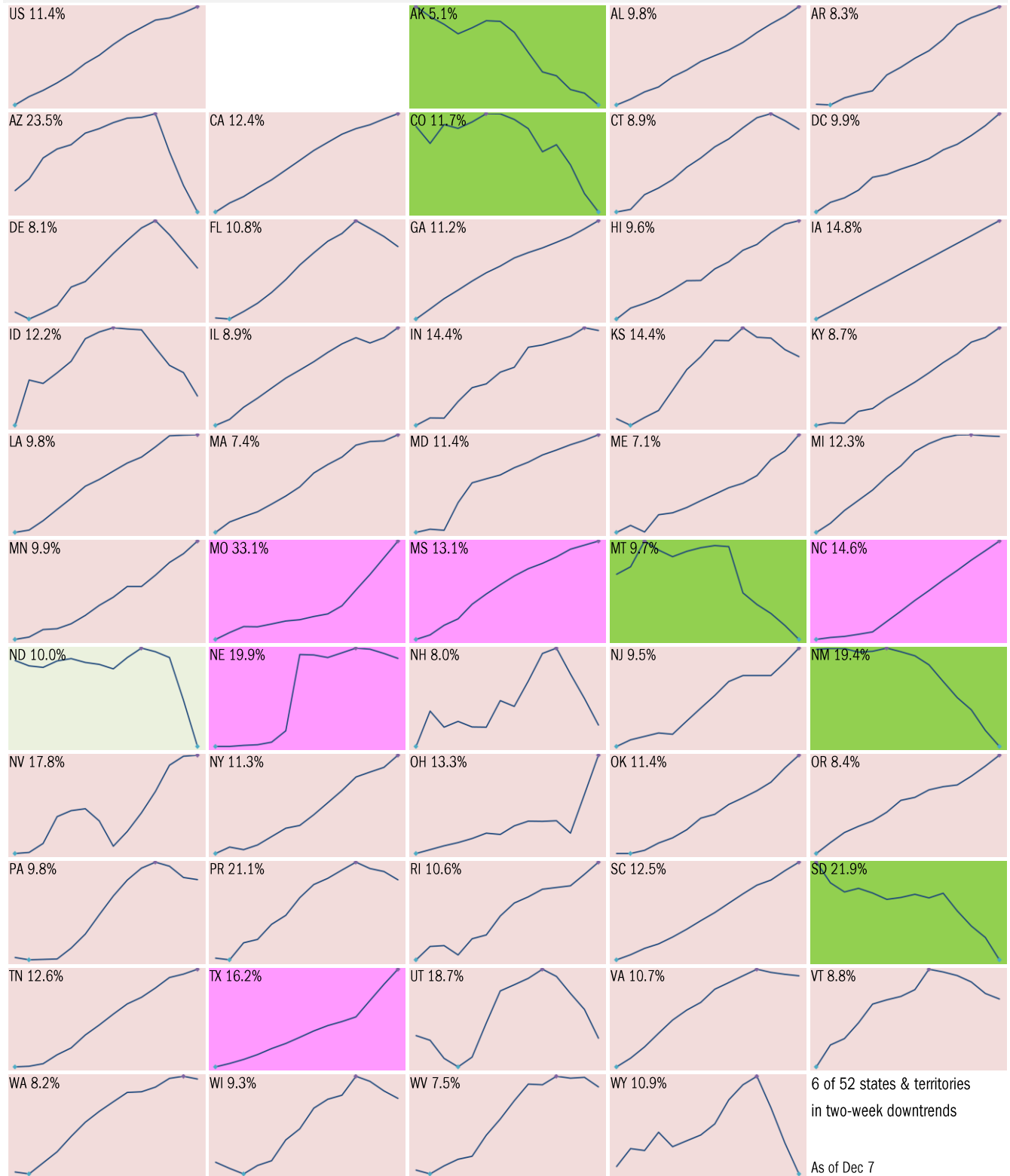


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

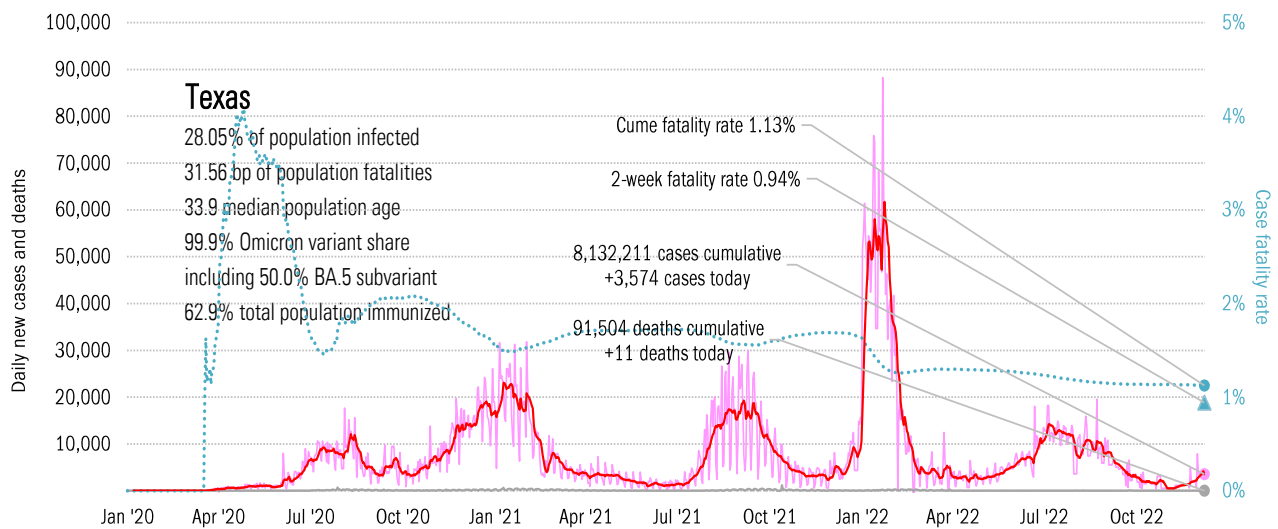
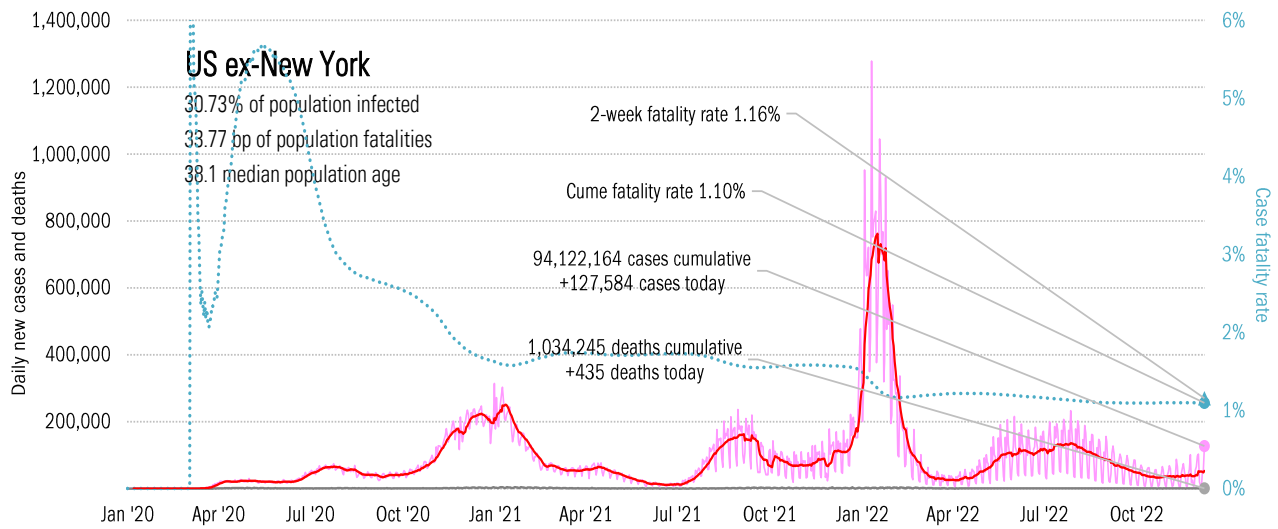
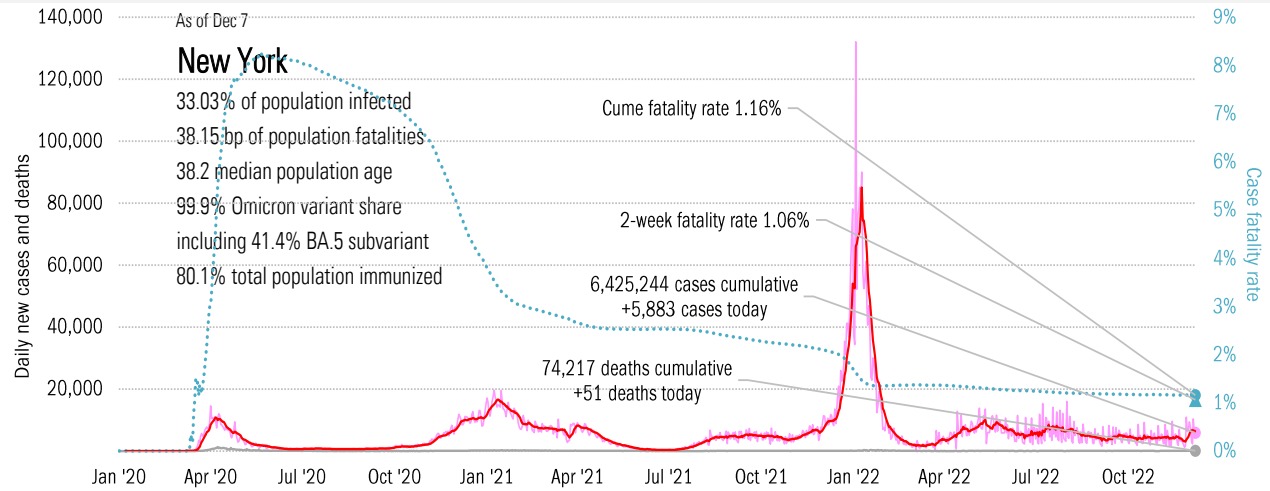
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

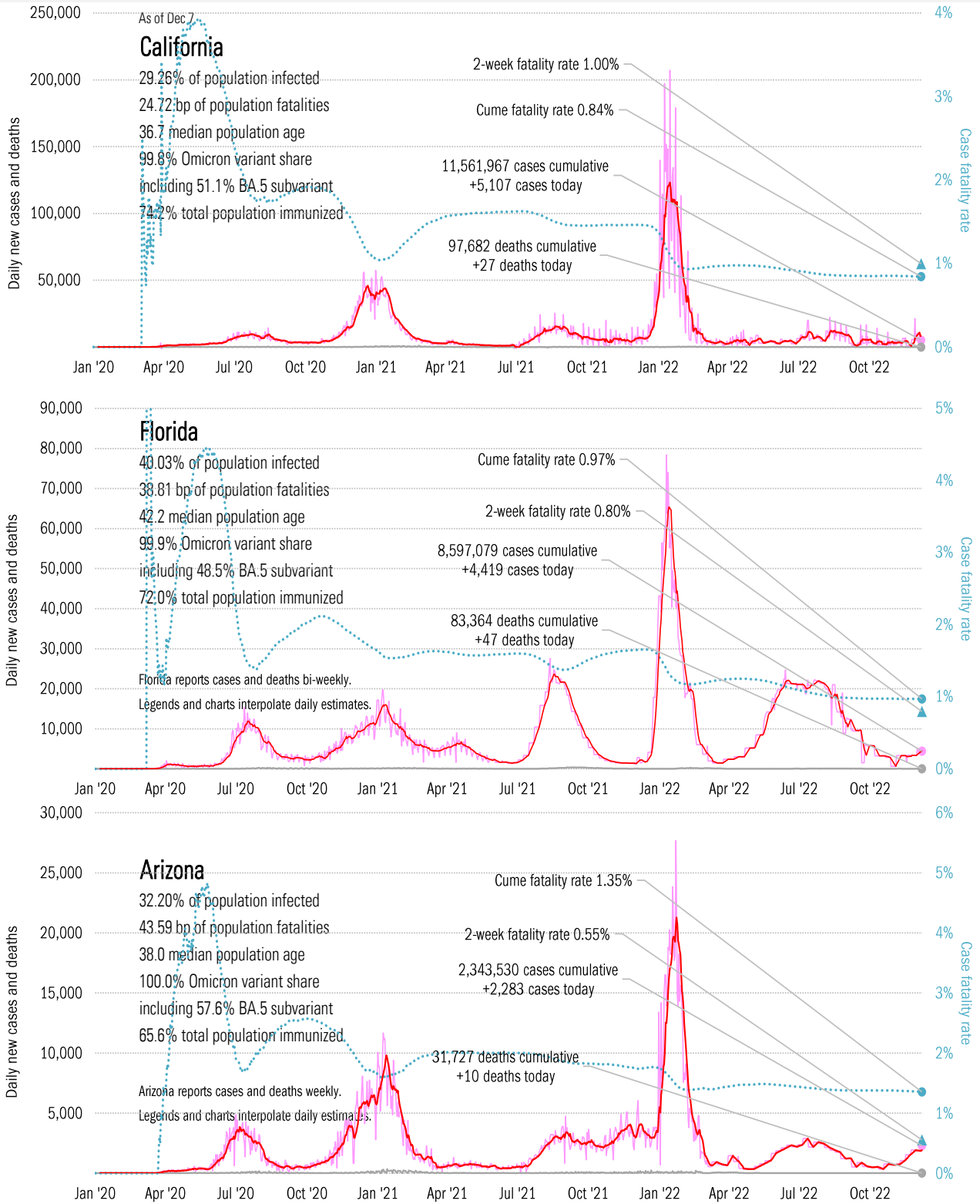
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

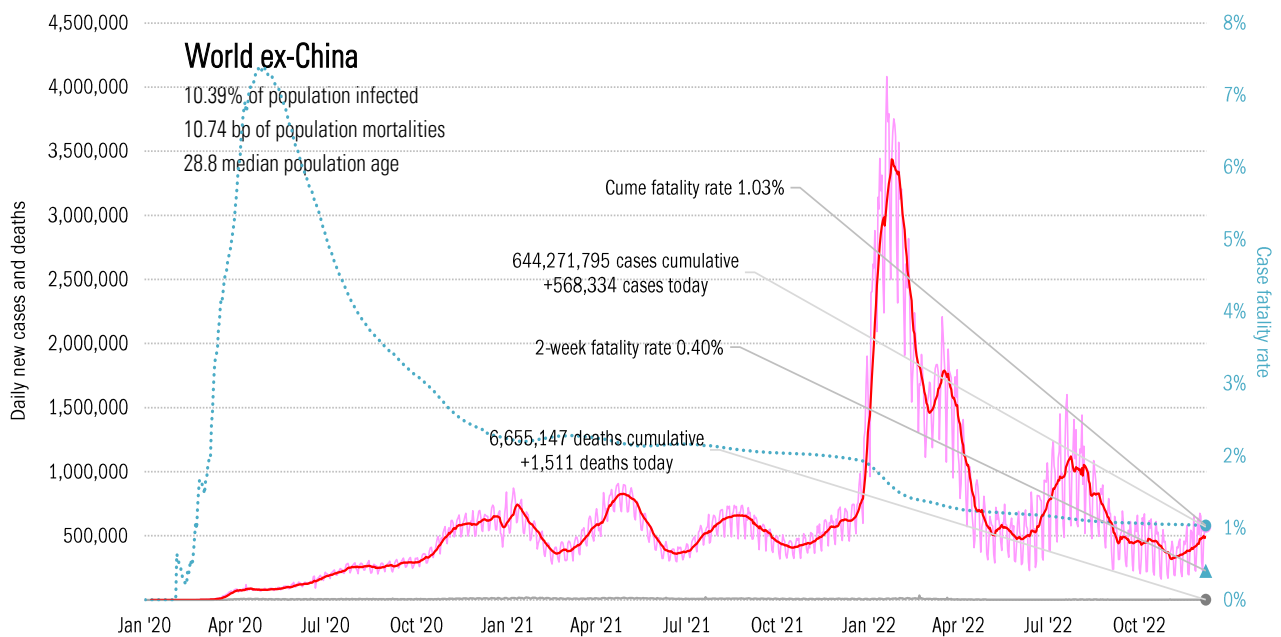
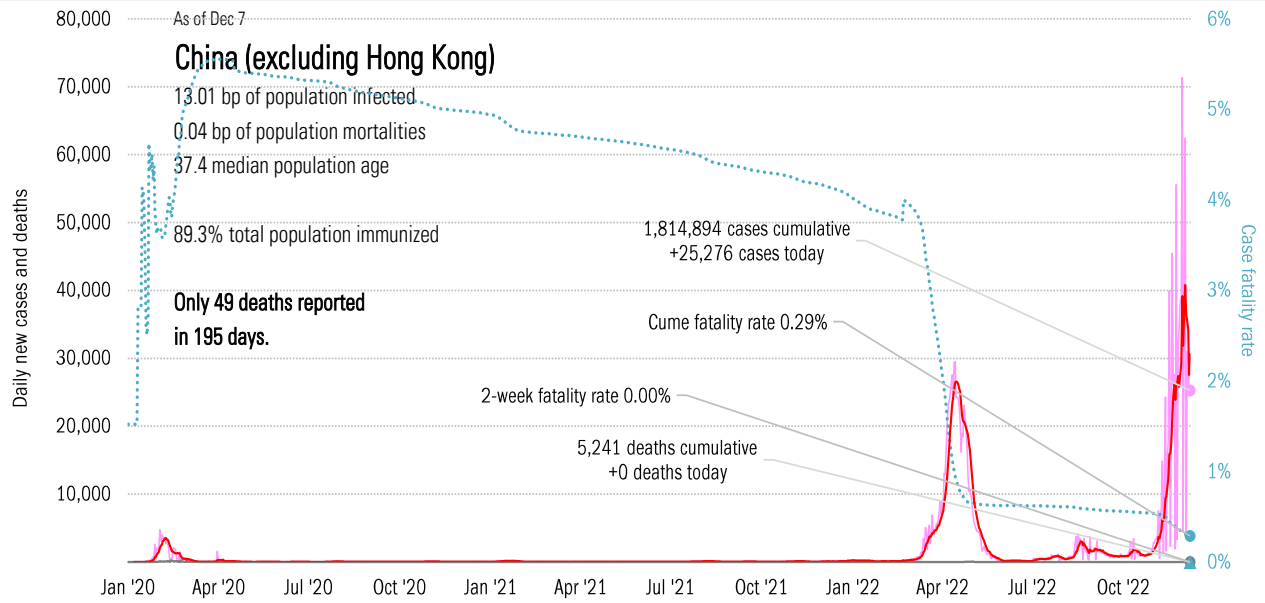
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

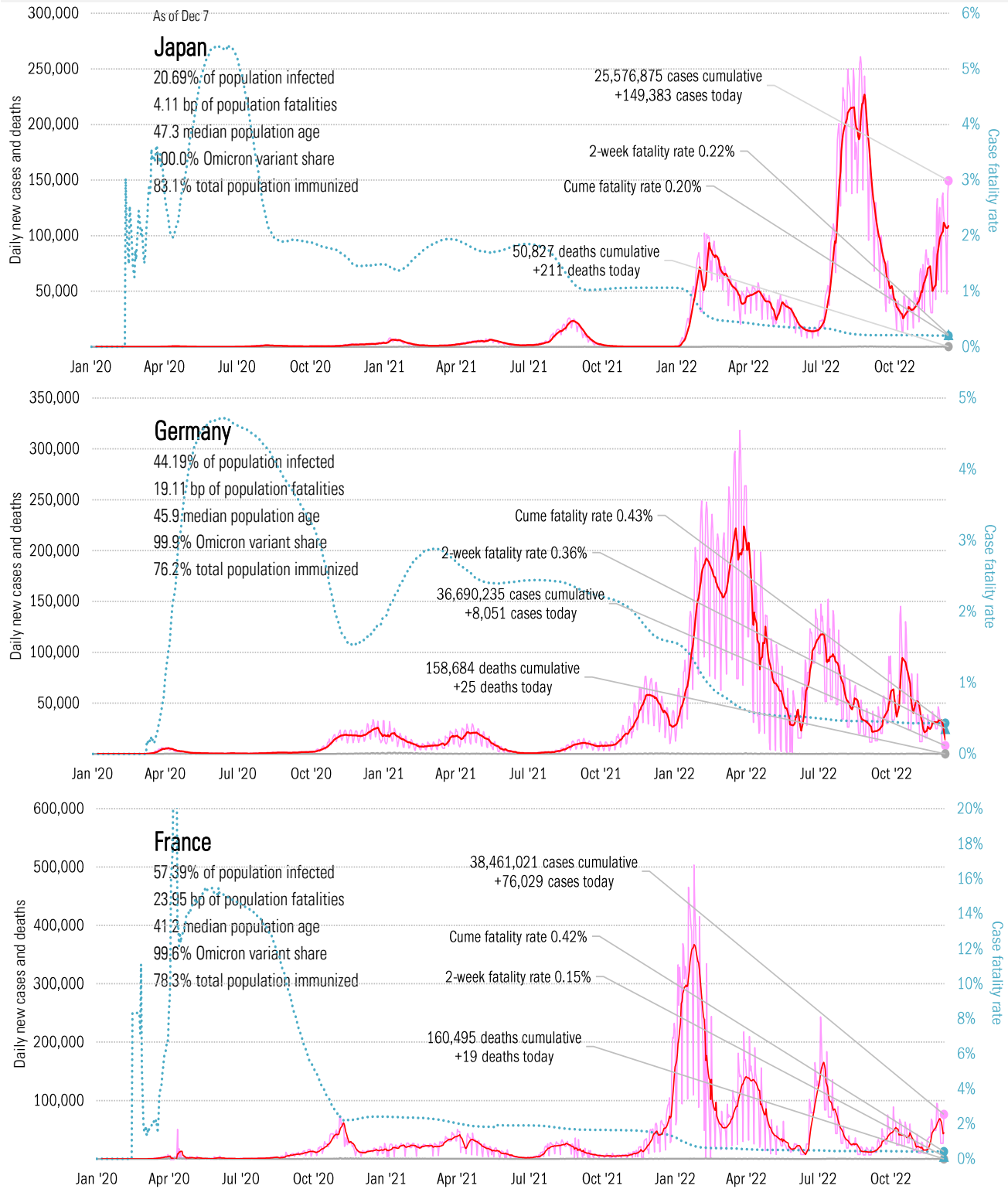
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

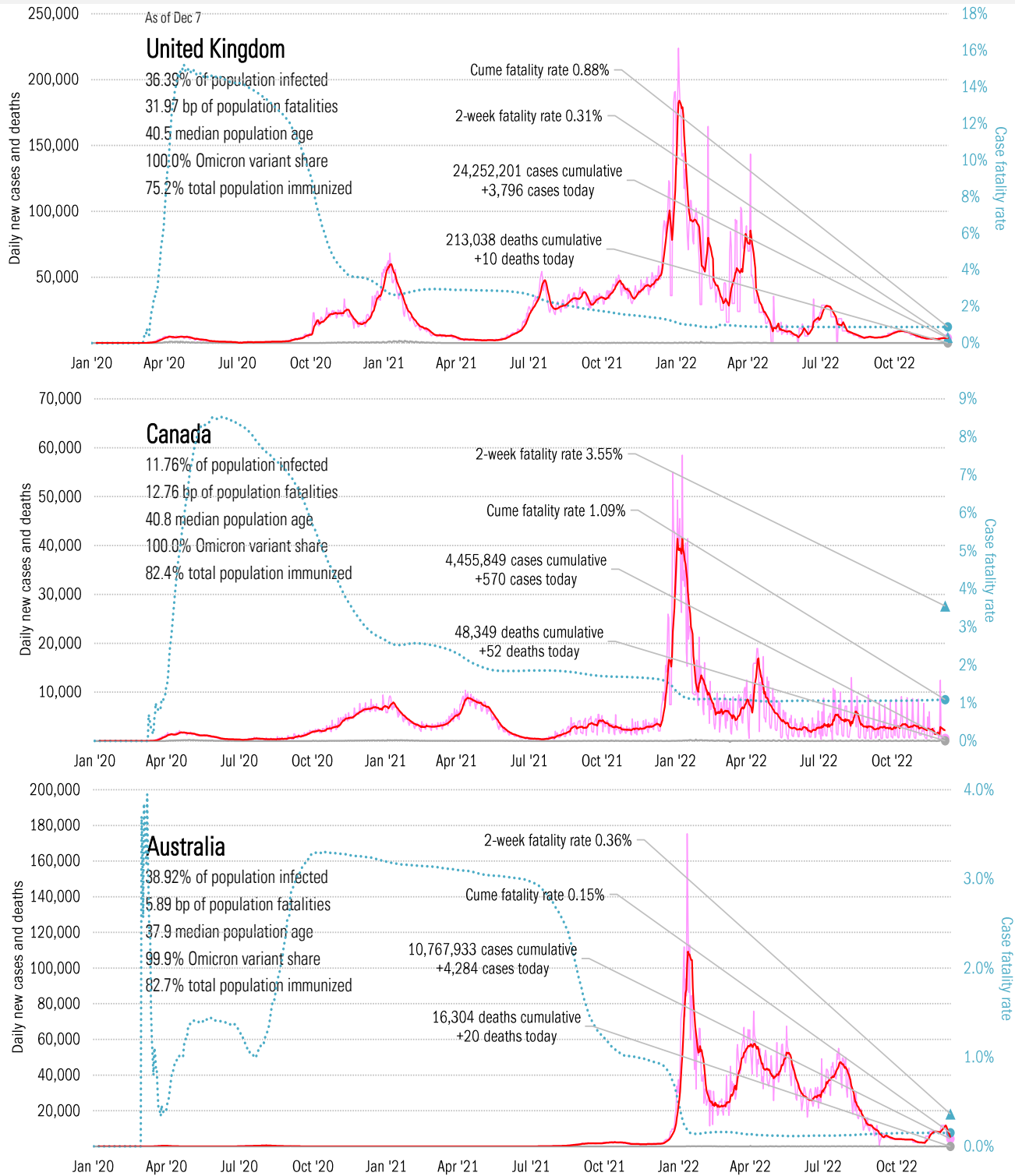
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

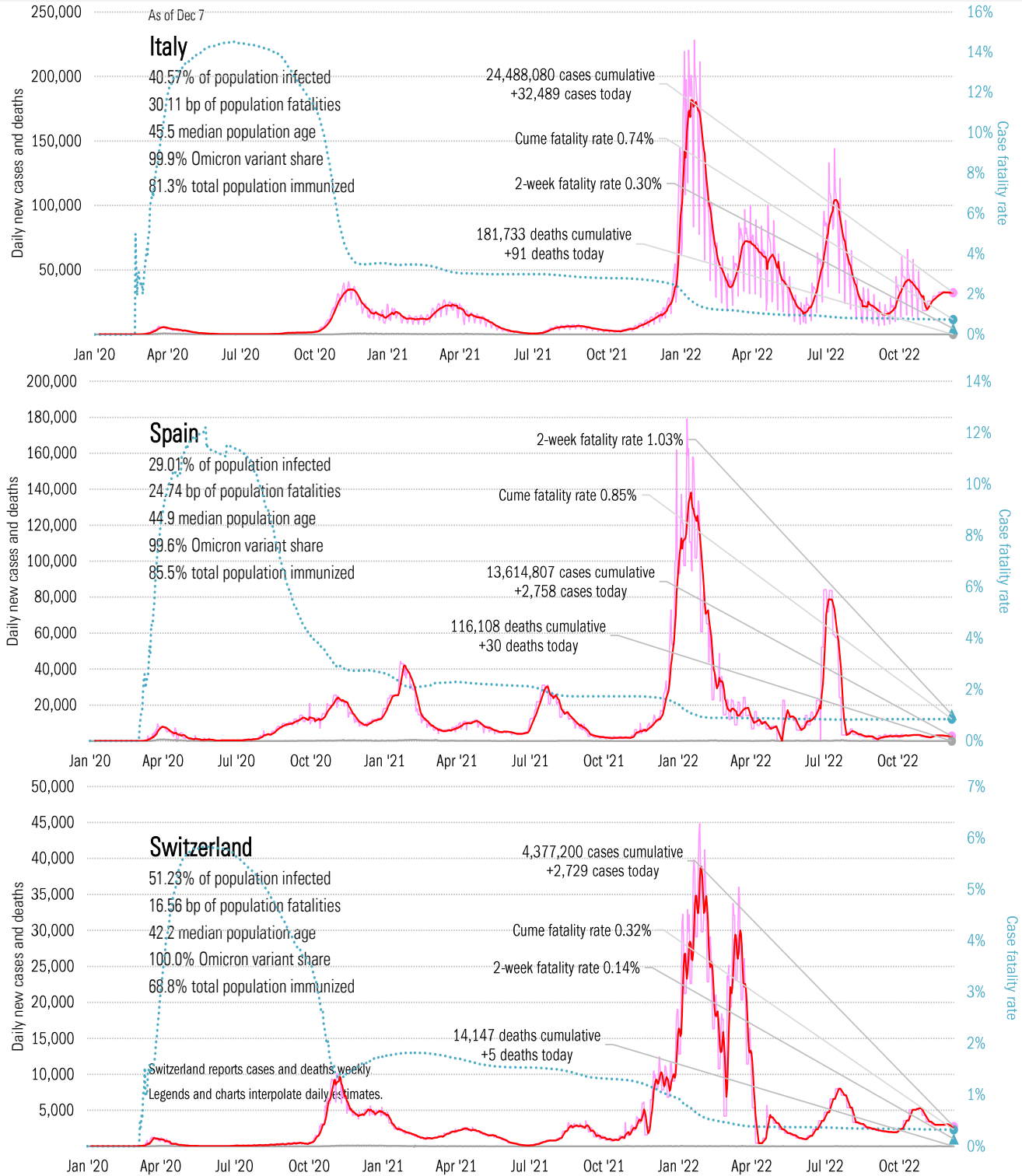
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

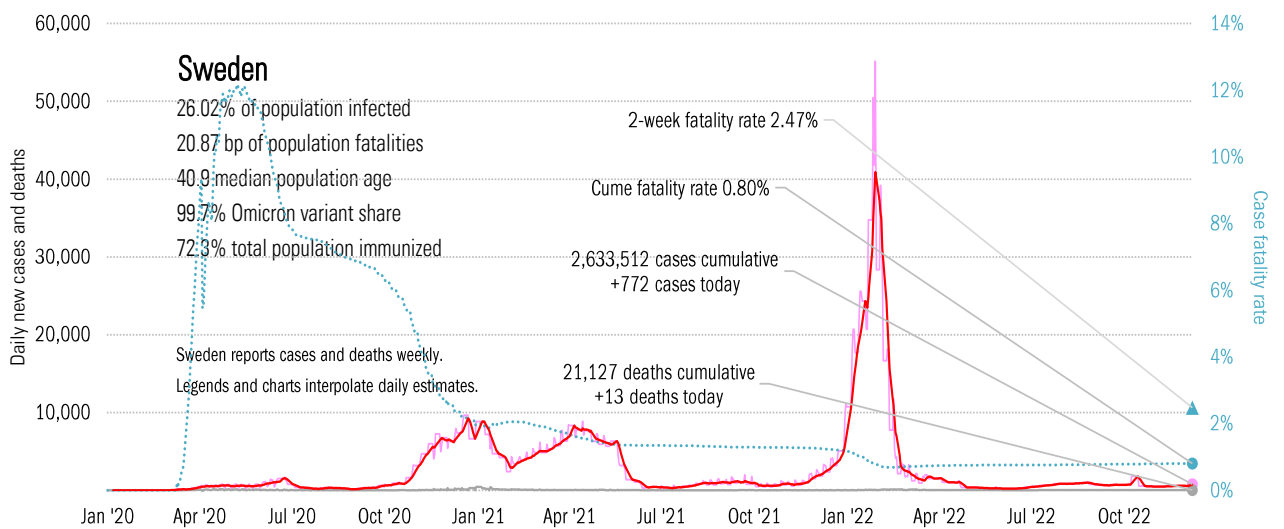
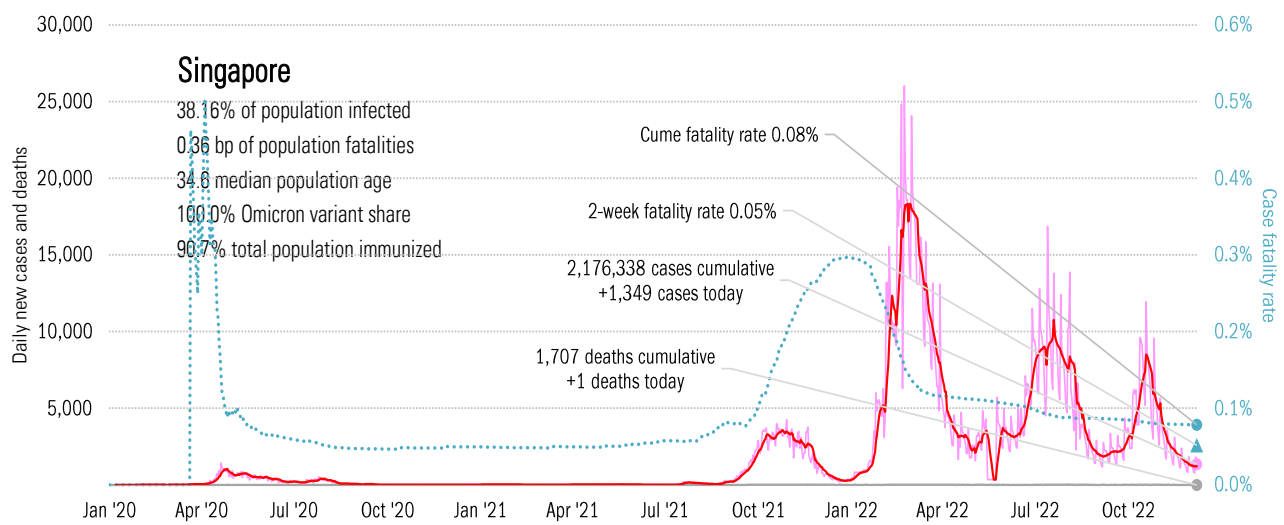
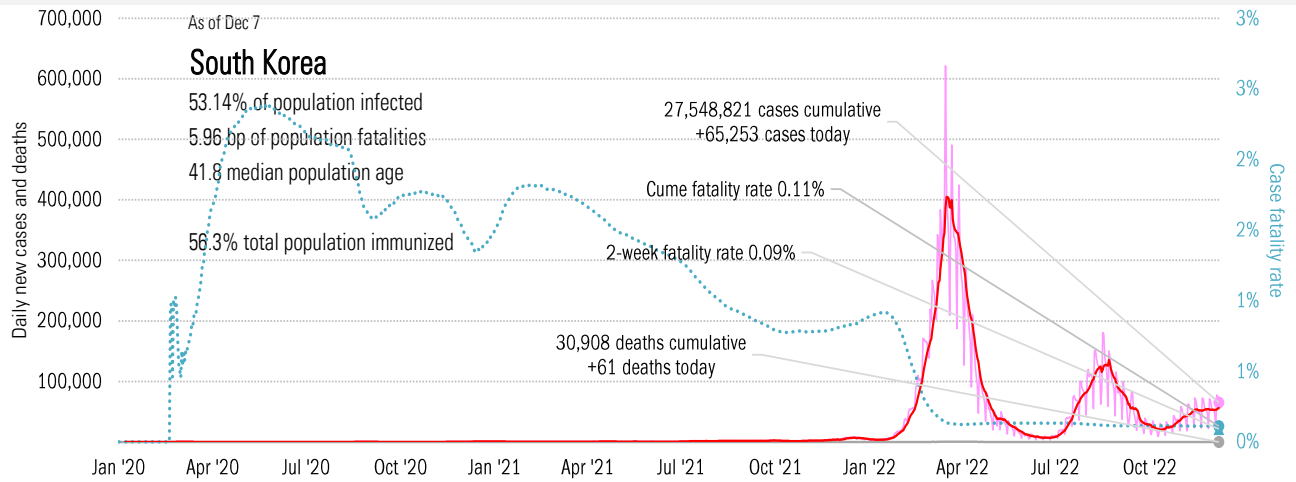
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

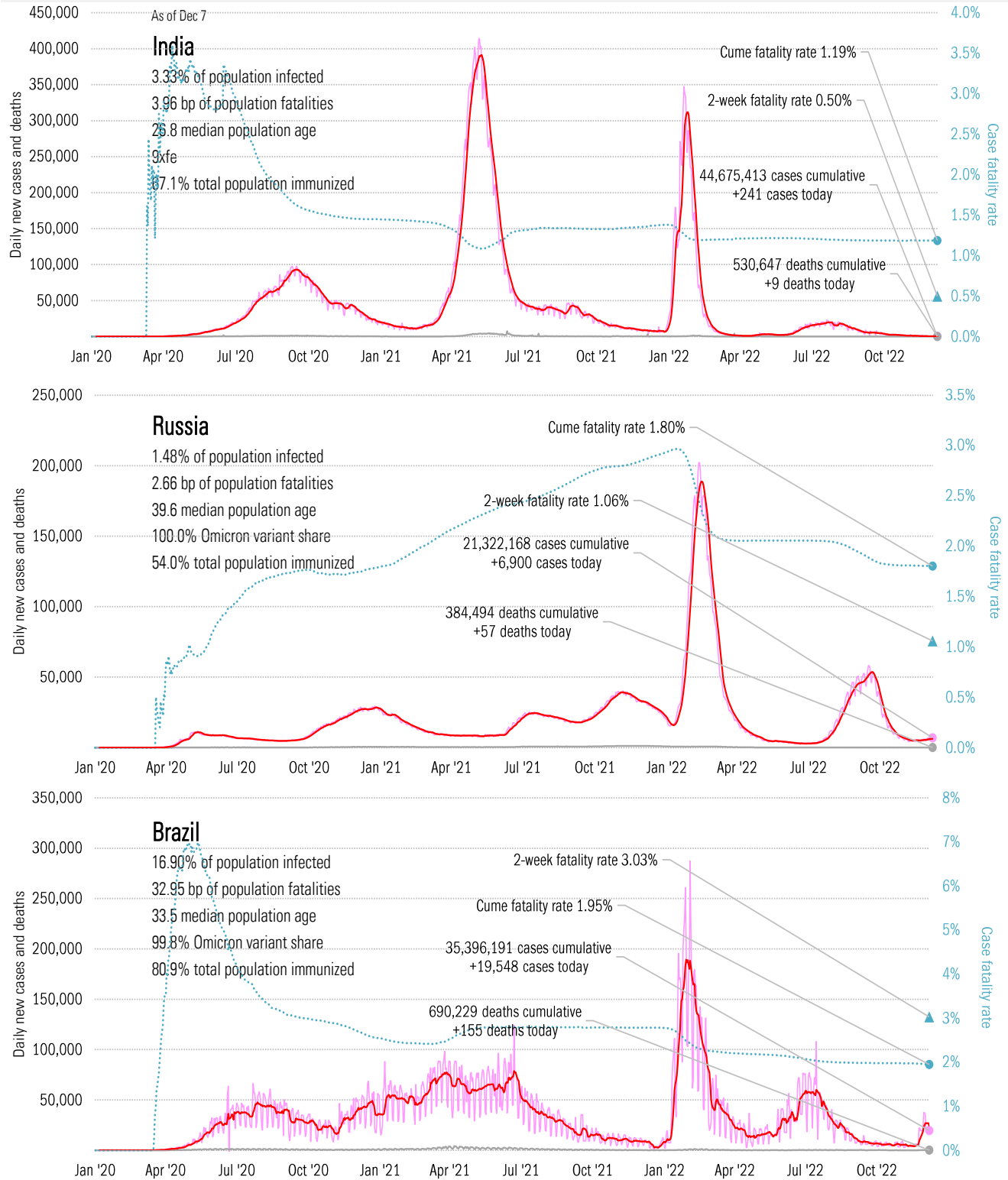
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

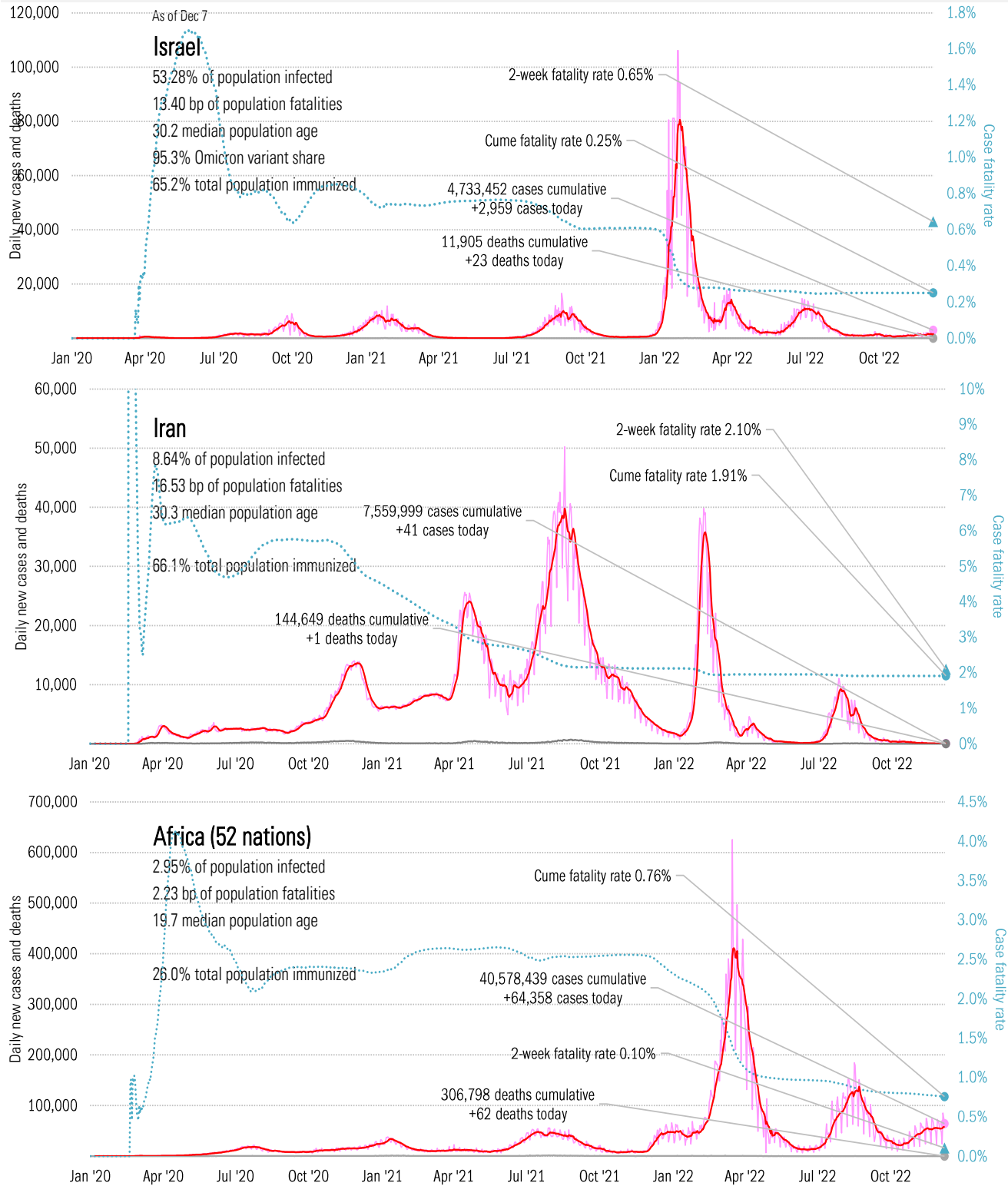
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

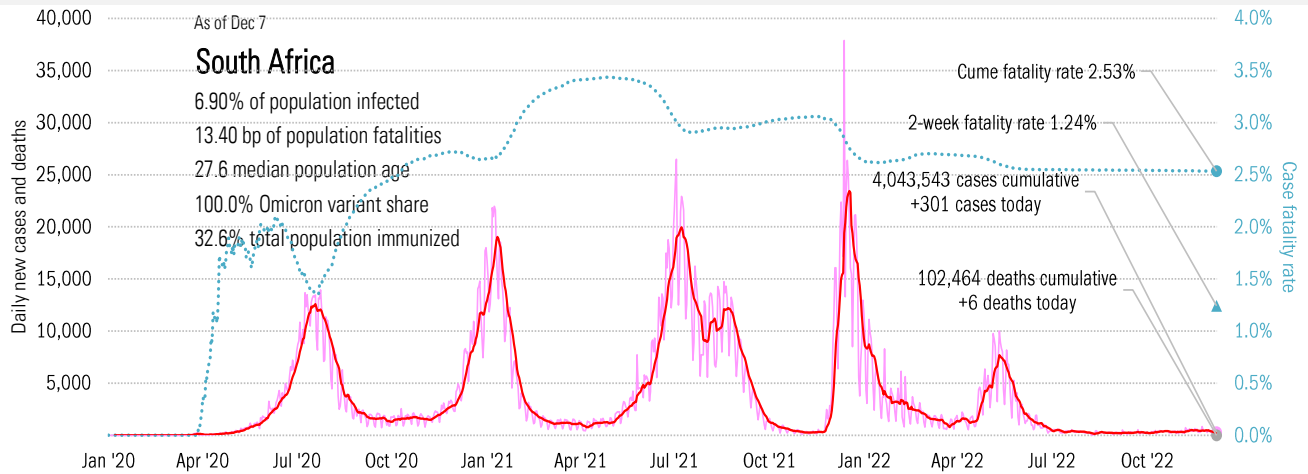
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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