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Data Insights: Covid-2019 Monitor

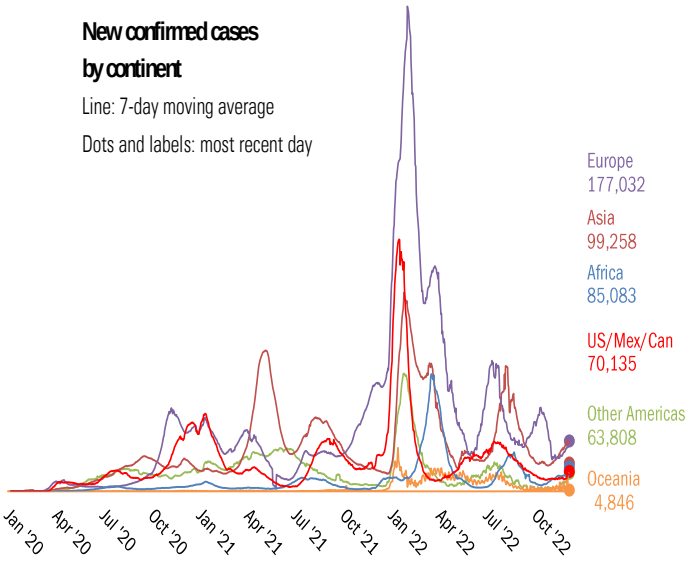
Tuesday, December 6, 2022

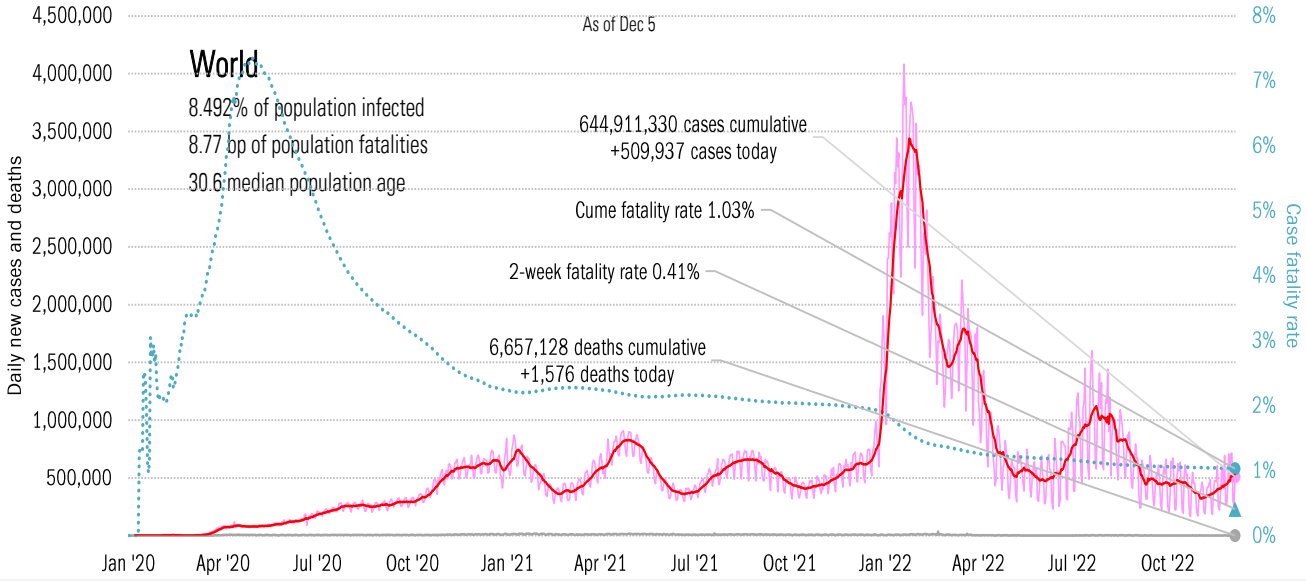
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	77,604	United States	263
United States	57,995	Brazil	155
Japan	47,621	Canada	131
France	34,548	Japan	117
Italy	32,489	Italy	91
China	30,253	Mexico	67
Brazil	19,548	United Kingdom	64
Germany	15,596	Germany	63
Mexico	12,617	Russia	52
Taiwan*	10,241	France	51
	338,511		1,054
World	509,937	World	1,576
Top ten	66%	Top ten	67%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

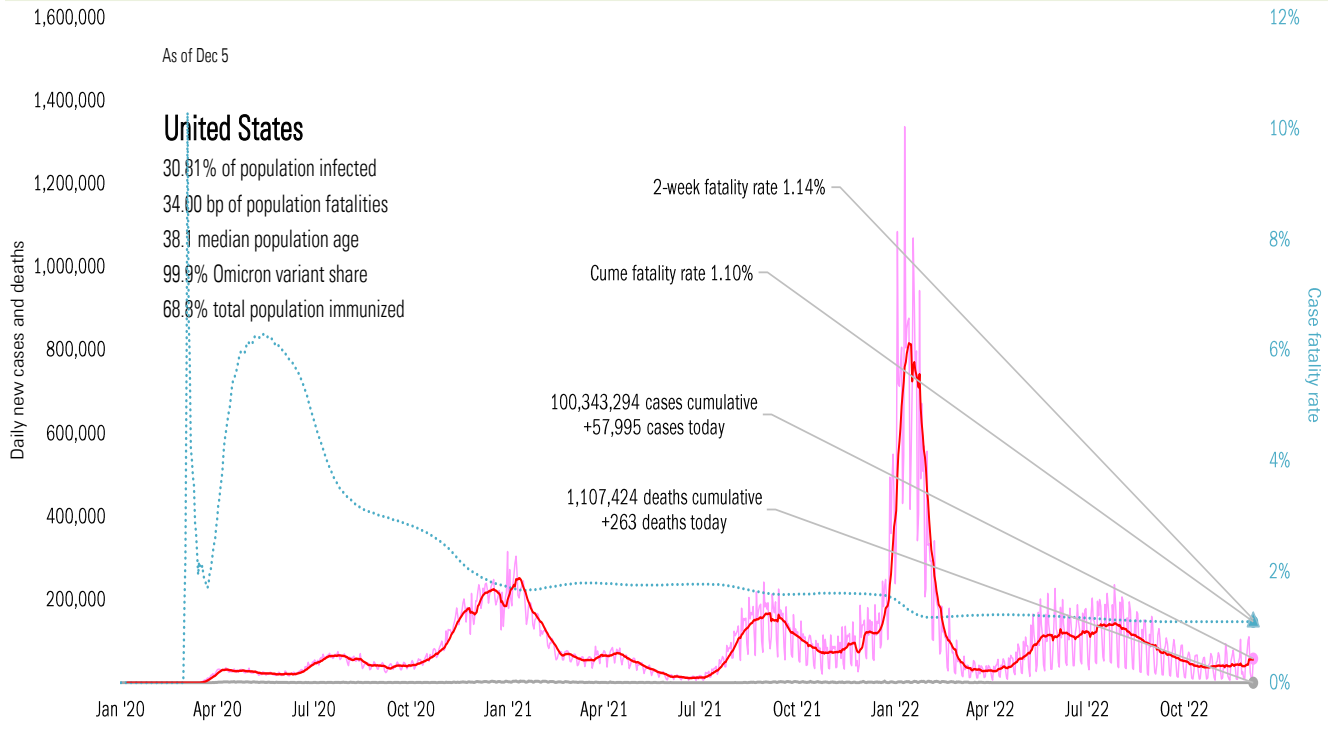
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	10,347	FL	47	CA	719	CA	11,553,501	CA	97,645	TX	557,913	DE	128%	DE	129%
CA	10,040	NY	40	GA	151	TX	8,106,370	TX	91,427	CA	523,763	RI	90%	TX	89%
FL	4,419	CA	28	AZ	177	FL	7,270,410	FL	83,201	FL	505,610	MA	88%	AK	88%
UT	4,394	UT	17	PA	196	NY	6,413,729	NY	74,090	NY	322,944	MN	87%	NC	87%
IL	2,498	PA	17	TX	295	IL	3,892,893	PA	48,387	GA	230,754	WA	87%	RI	86%
OH	2,299	MI	16	FL	238	PA	3,361,643	GA	41,070	OH	229,283	AK	87%	MA	86%
NJ	1,936	IL	16	MI	116	NC	3,275,343	OH	40,558	PA	215,318	WV	86%	VT	86%
AZ	1,855	MA	13	IN	117	OH	3,243,850	IL	40,355	IL	197,543	MO	85%	AL	85%
PA	1,459	NE	10	WI	84	GA	2,943,519	MI	40,085	MI	171,042	GA	85%	GA	84%
MI	1,262	WV	9	AL	65	MI	2,938,443	NJ	35,169	KY	148,337	MD	84%	NM	84%
	40,509		212		2,158		52,999,701		591,987		3,102,507				
All states	57,995		263		4,481	All states	100,343,294		1,107,424		5,636,450	All states	70%		67%
Top ten	70%		81%		48%	Top ten	53%		55%		55%	Median	79%		77%

Some states not reporting

Five most improved US states

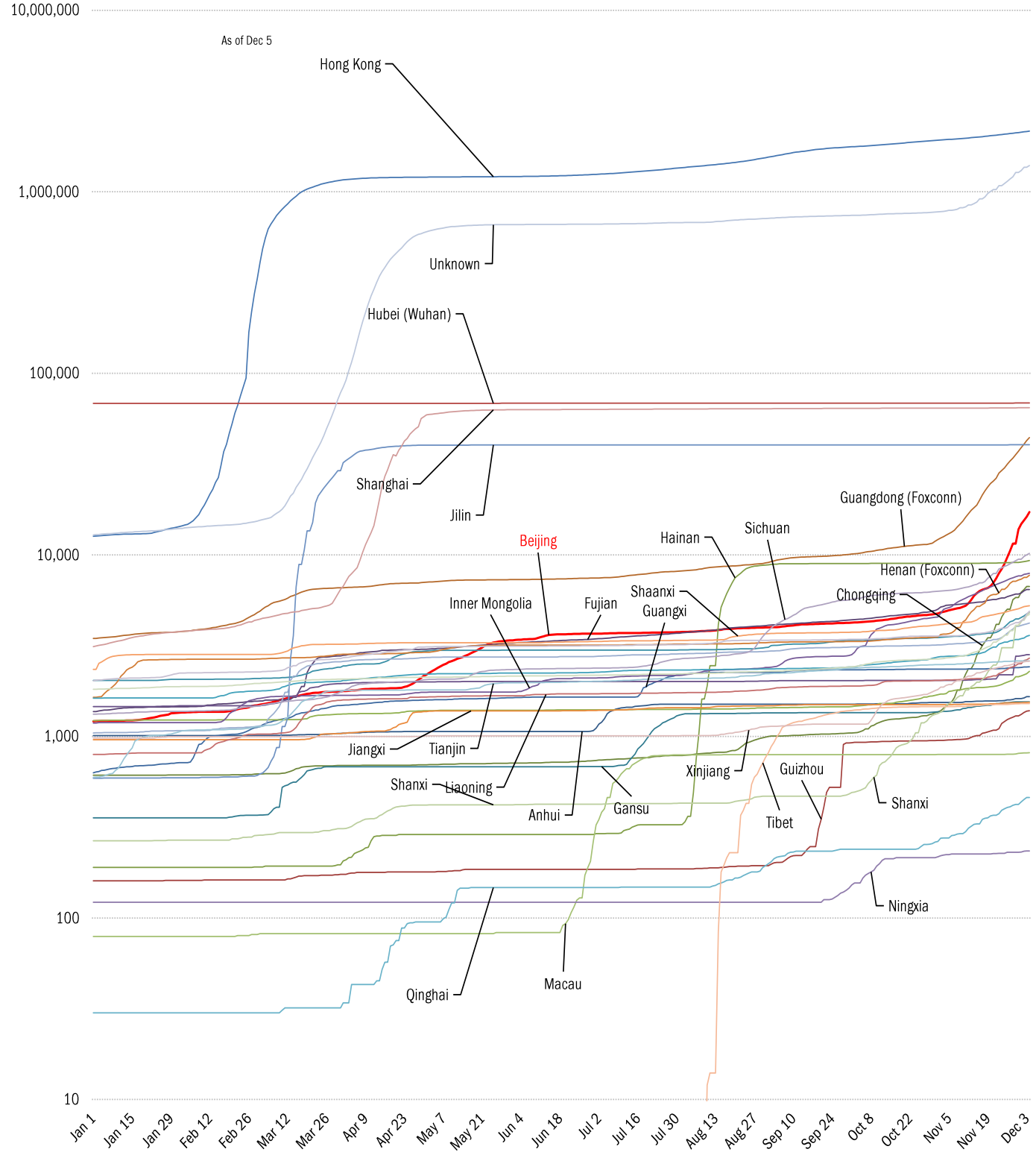
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NJ	-29,086	NJ	-9	NY	-120
KS	-402	SC	-4	CA	-99
MD	-256	AK	0	VA	-72
CA	-228	AL	0	NJ	-71
CT	-90	AR	0	CO	-61



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

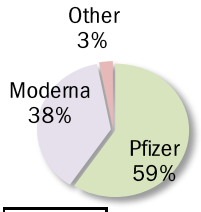
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	671,635,963				+0.328 million
				Of which boosters:	+0.325 million
	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

Immunity	Full	Partial
US	68.8%	80.7%
UK	75.2%	79.7%
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



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

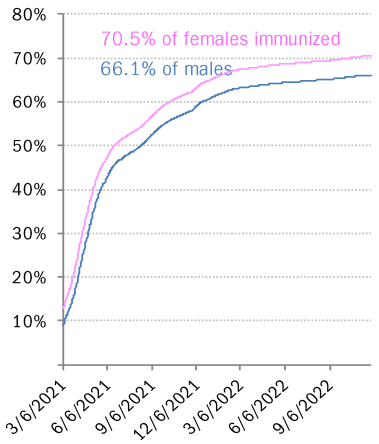
"Immunity" = two doses

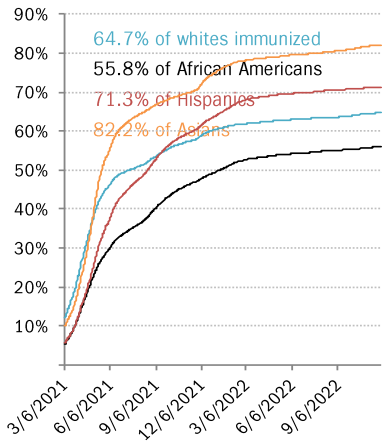
Best
Middle
Worst

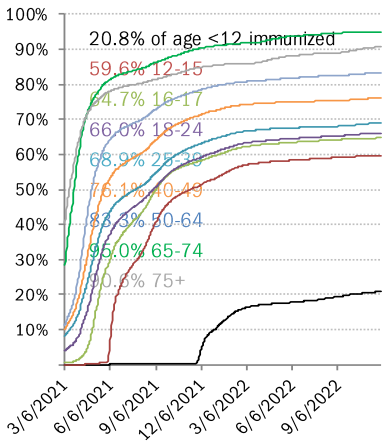
As of Dec 2

					WI						ME
					74.6%						95.0%
AK					67.8%						82.7%
72.5%											
64.8%											
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
84.5%	63.5%	67.8%	68.8%	78.2%	78.8%	69.1%		93.7%	95.0%	86.4%	
75.5%	56.1%	58.8%	58.2%	71.6%	70.9%	62.0%		80.1%	84.8%	70.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
80.9%	78.3%	60.5%	83.0%	70.2%	64.0%	65.3%	89.7%	93.9%	95.0%		
71.8%	63.1%	52.8%	65.7%	64.0%	57.5%	60.1%	72.5%	78.6%	83.4%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
84.0%	74.7%	83.1%	72.9%	68.9%	68.4%	67.1%	90.2%	90.9%	95.0%	95.0%	
74.2%	66.3%	73.0%	65.8%	58.6%	59.3%	59.4%	76.1%	79.1%	82.5%	87.0%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	76.7%	93.3%	75.6%	69.4%	64.1%	90.9%	70.5%	95.0%	86.7%		
	65.6%	74.6%	64.8%	56.5%	56.1%	66.3%	59.5%	84.6%	72.0%		
			OK	LA	MS	AL	GA				
			74.1%	62.5%	61.4%	64.7%	67.7%				
HI			60.0%	54.8%	53.5%	52.9%	56.7%				
90.8%			TX					FL		PR	
81.0%			75.7%					81.9%		95.0%	
			62.9%					69.0%		86.7%	

The demographics of US vaccination

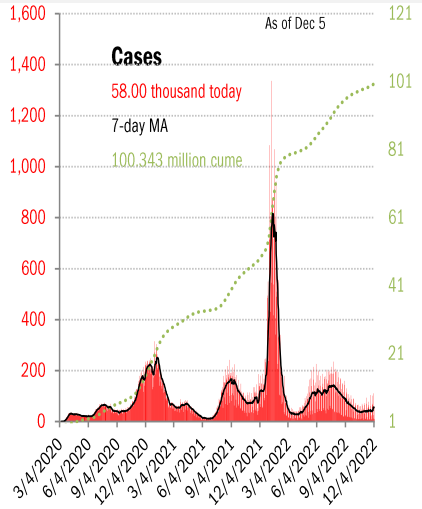


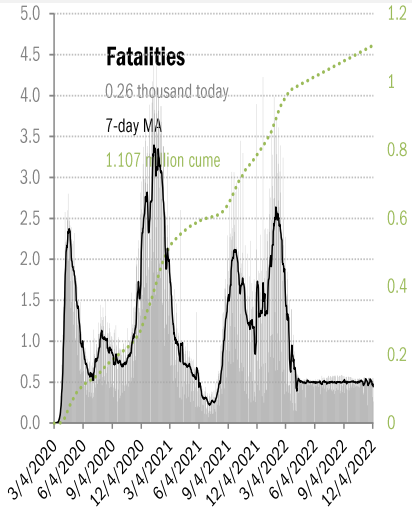


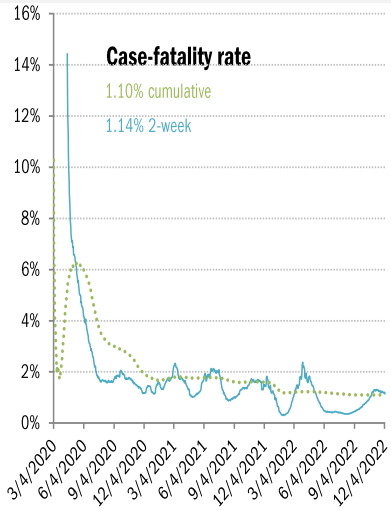


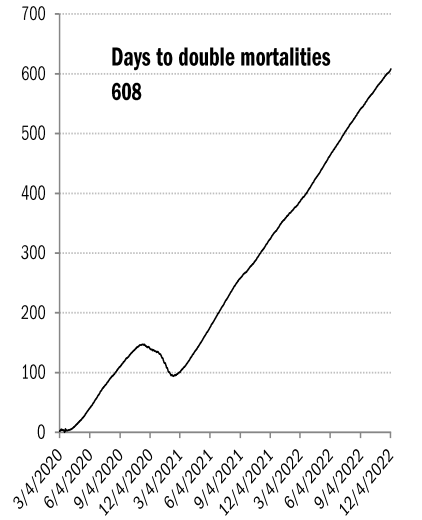
Source: CDC, CDC, Our World in Data, TrendMacro calculations

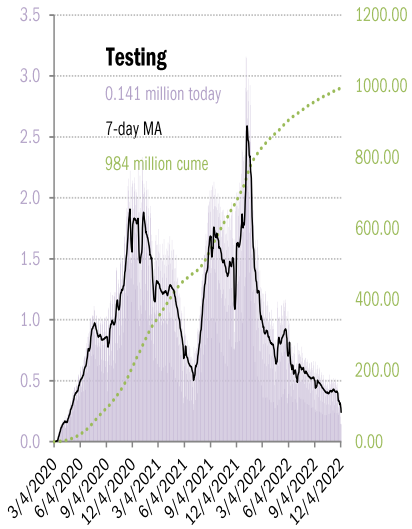
US deep-dive

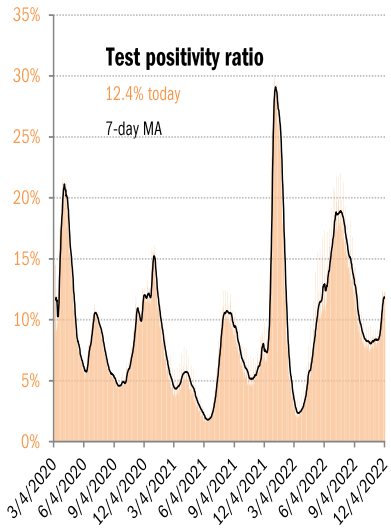


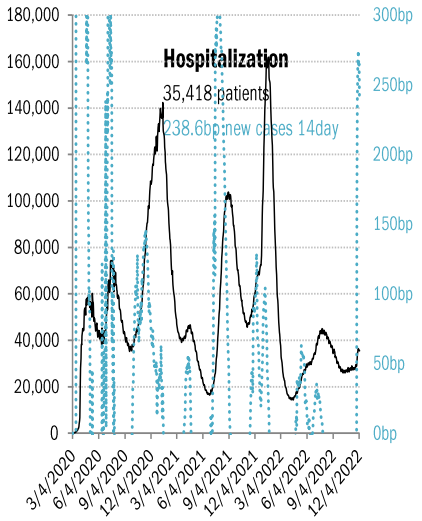


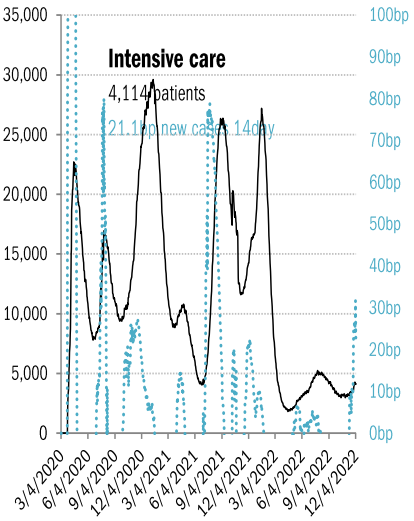


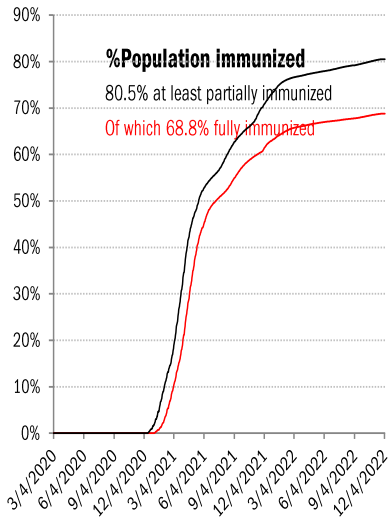










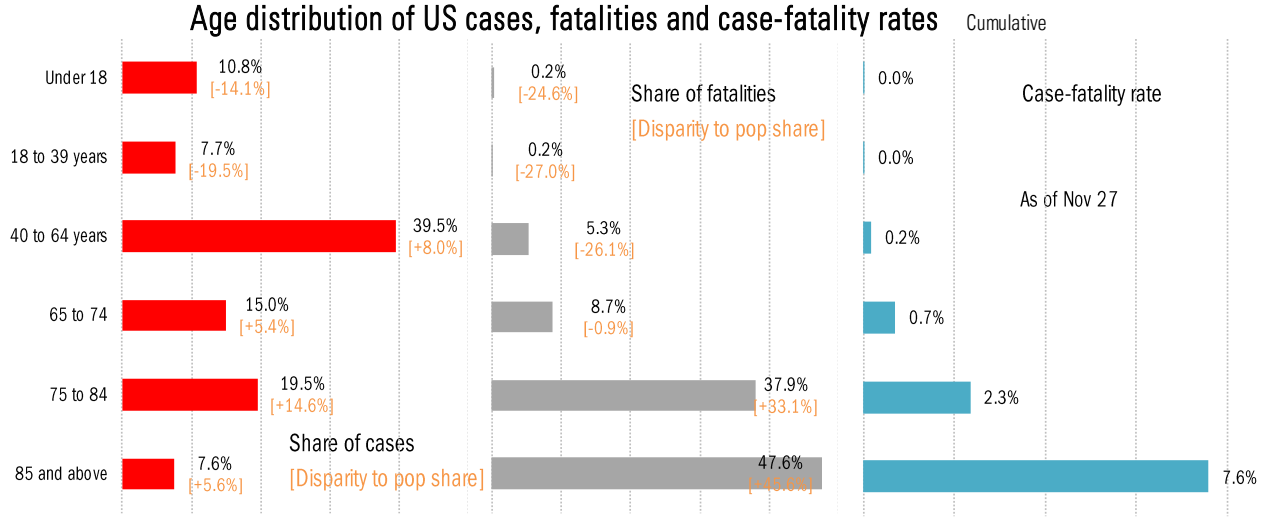


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

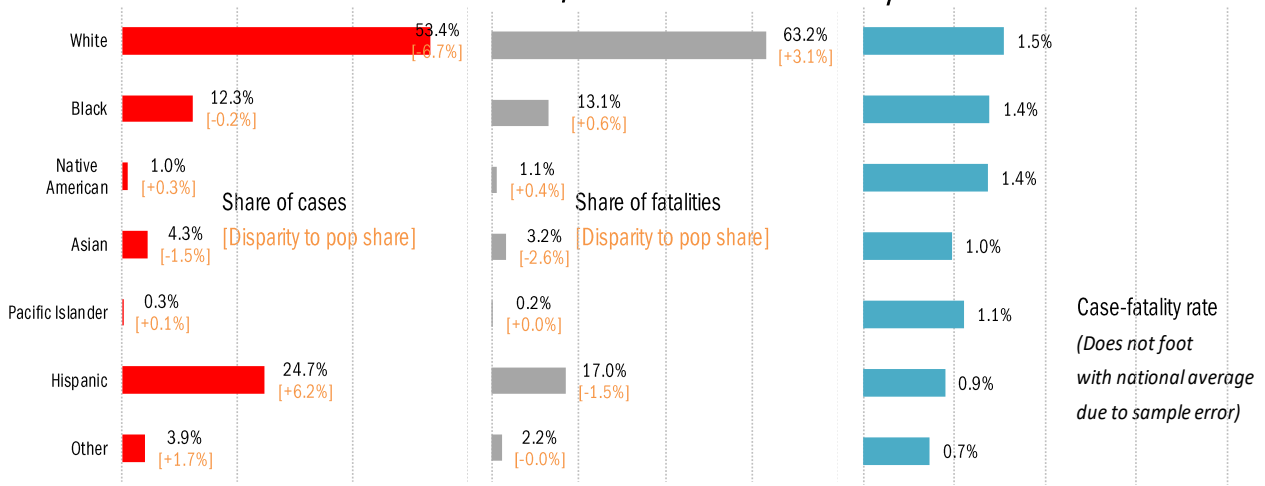
US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

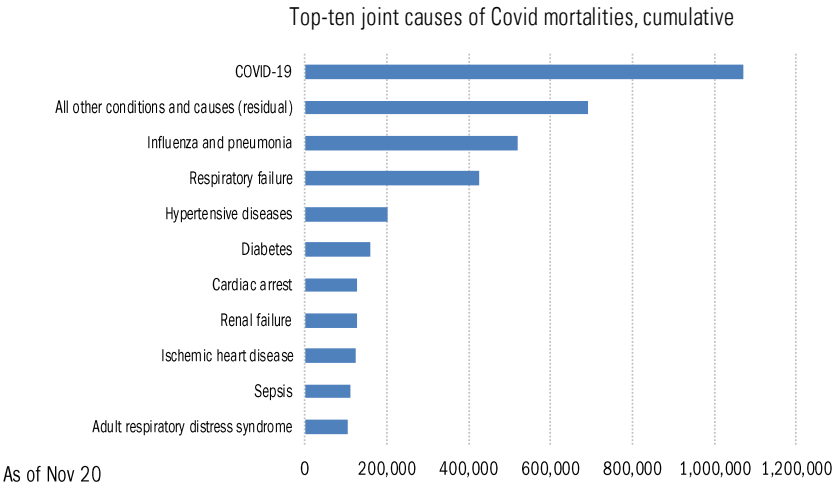
Age distribution of US cases, fatalities and case-fatality rates



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



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

Billions in Covid Aid Went to Hospitals That Didn't Need It
Melanie Evans, Liz Essley Whyte and Tom McGinty
Wall Street Journal
December 5, 2022

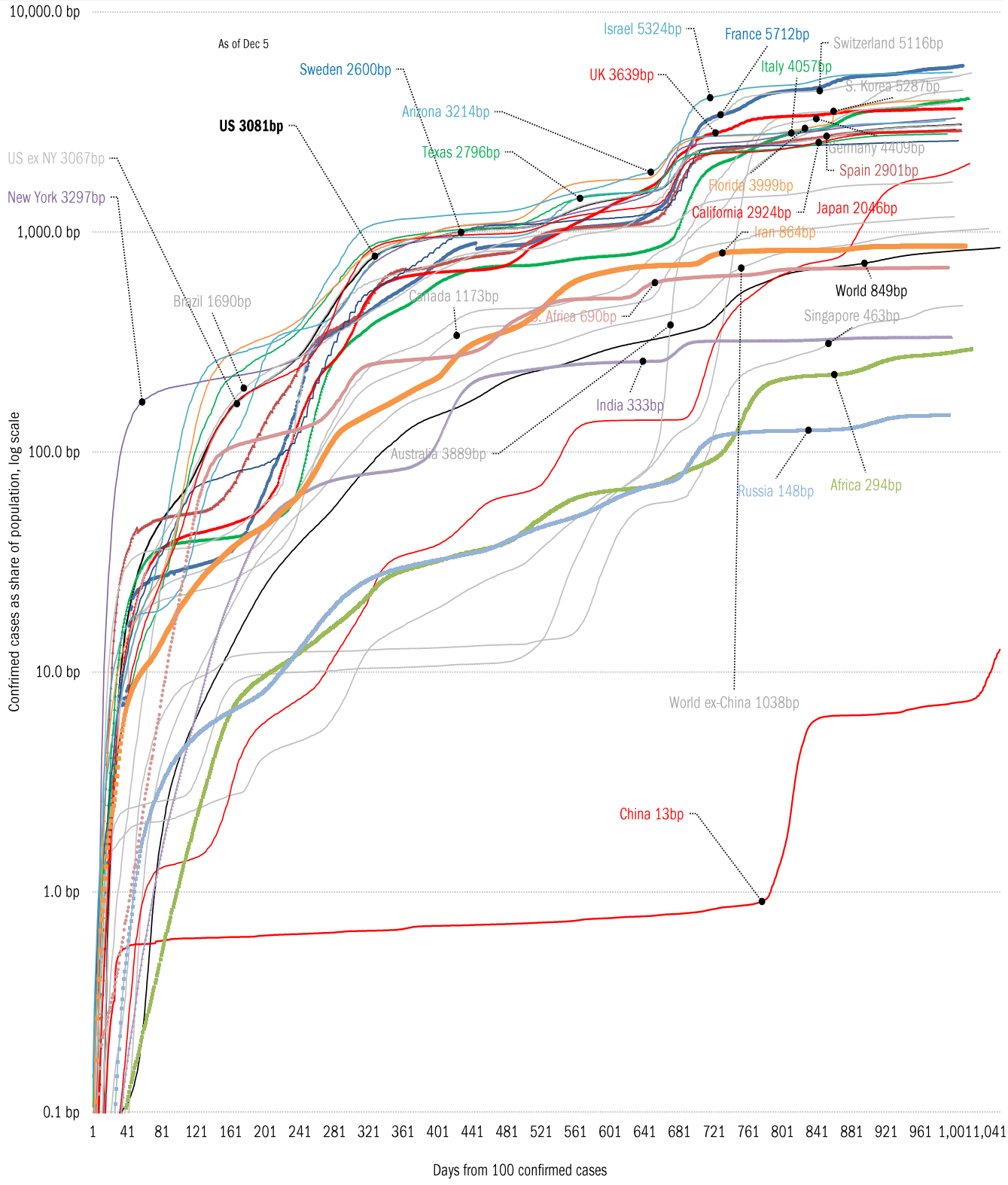
mRNA Covid booster campaigns have flamed out. Will lower excess mortality follow?
Alex Berenson
Unreported Truths
December 5, 2022

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

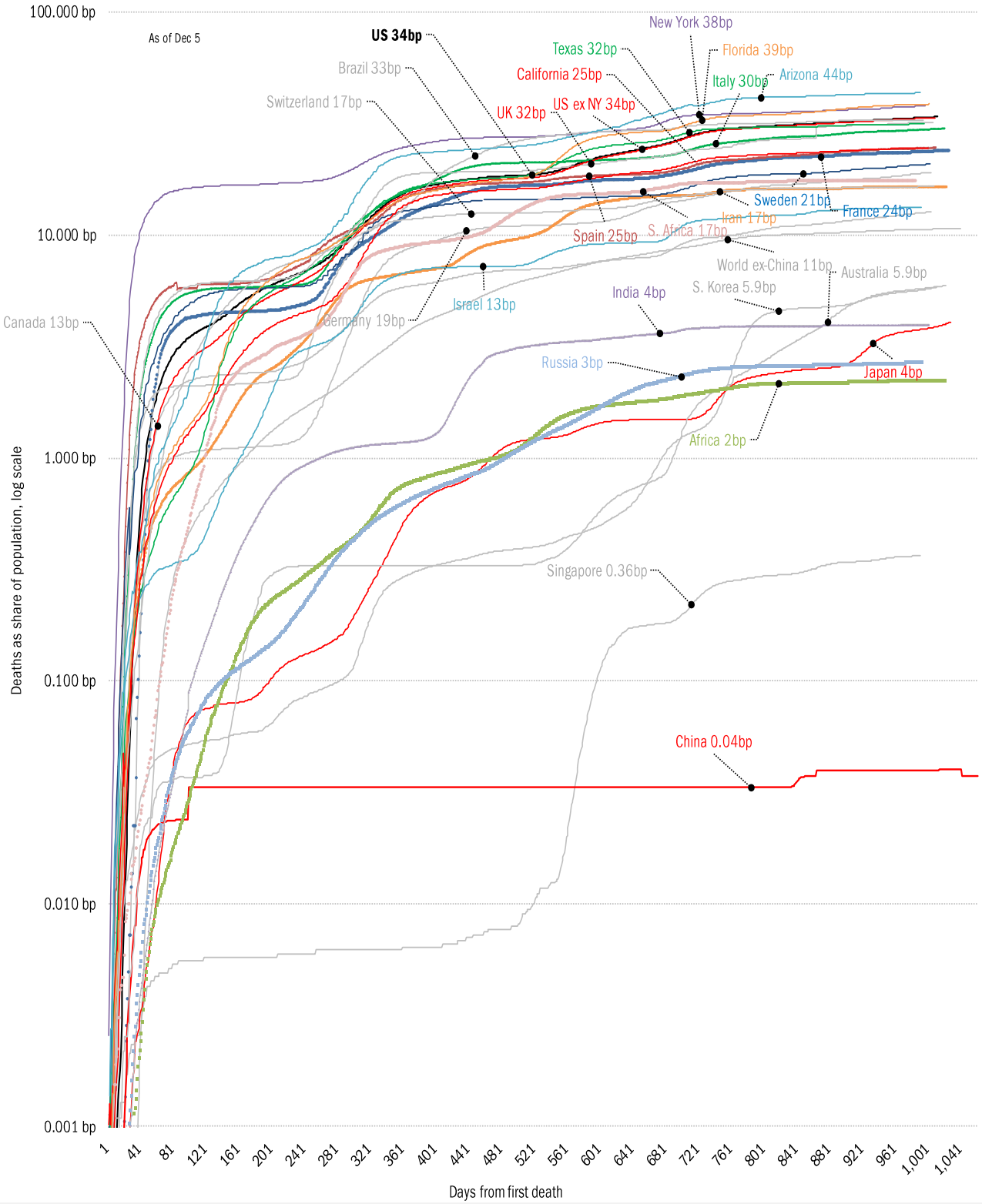
Share of infected population from first day with 100 confirmed cases, log scale



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

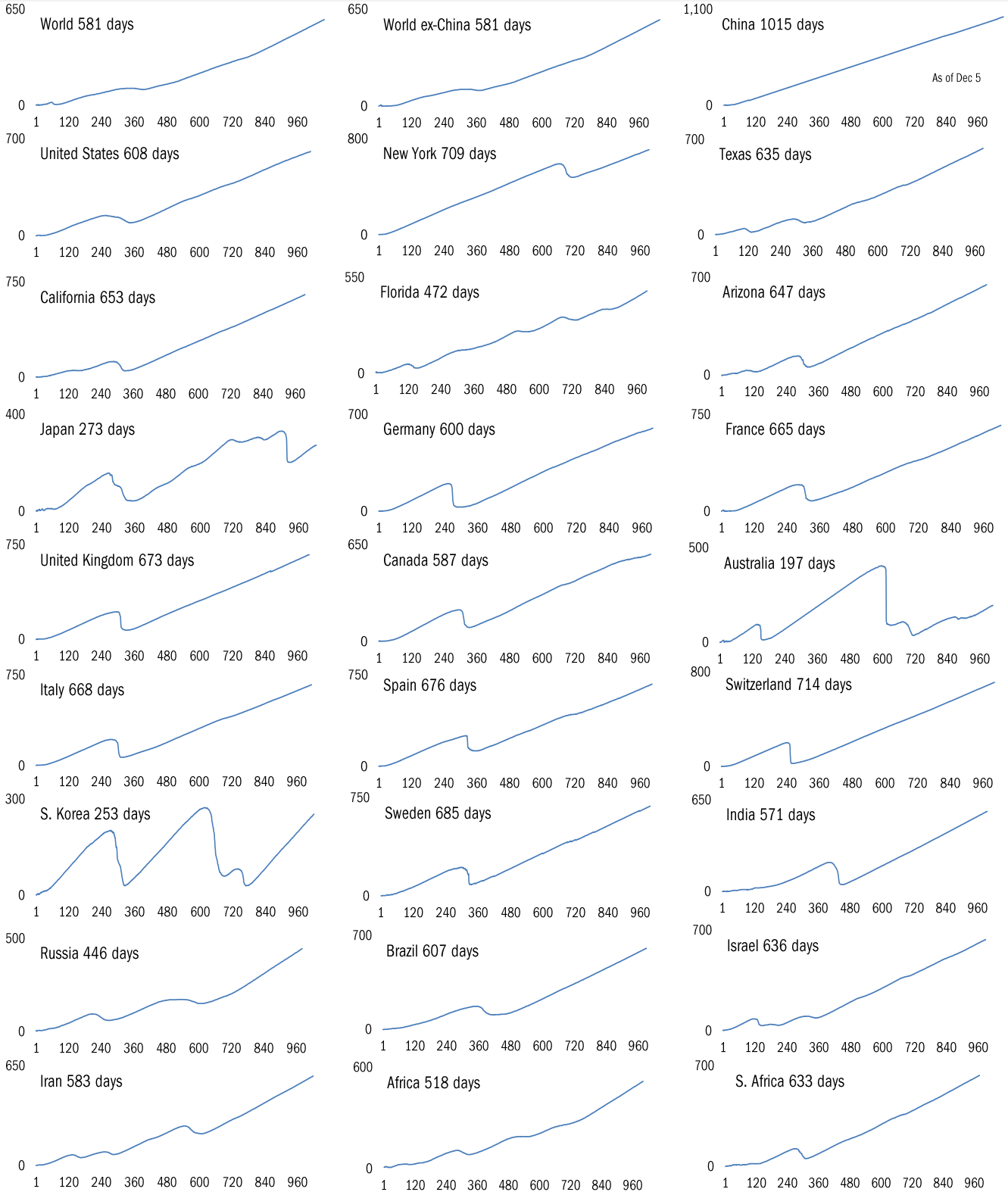


Source: Johns Hopkins, TrendMacro calculations

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

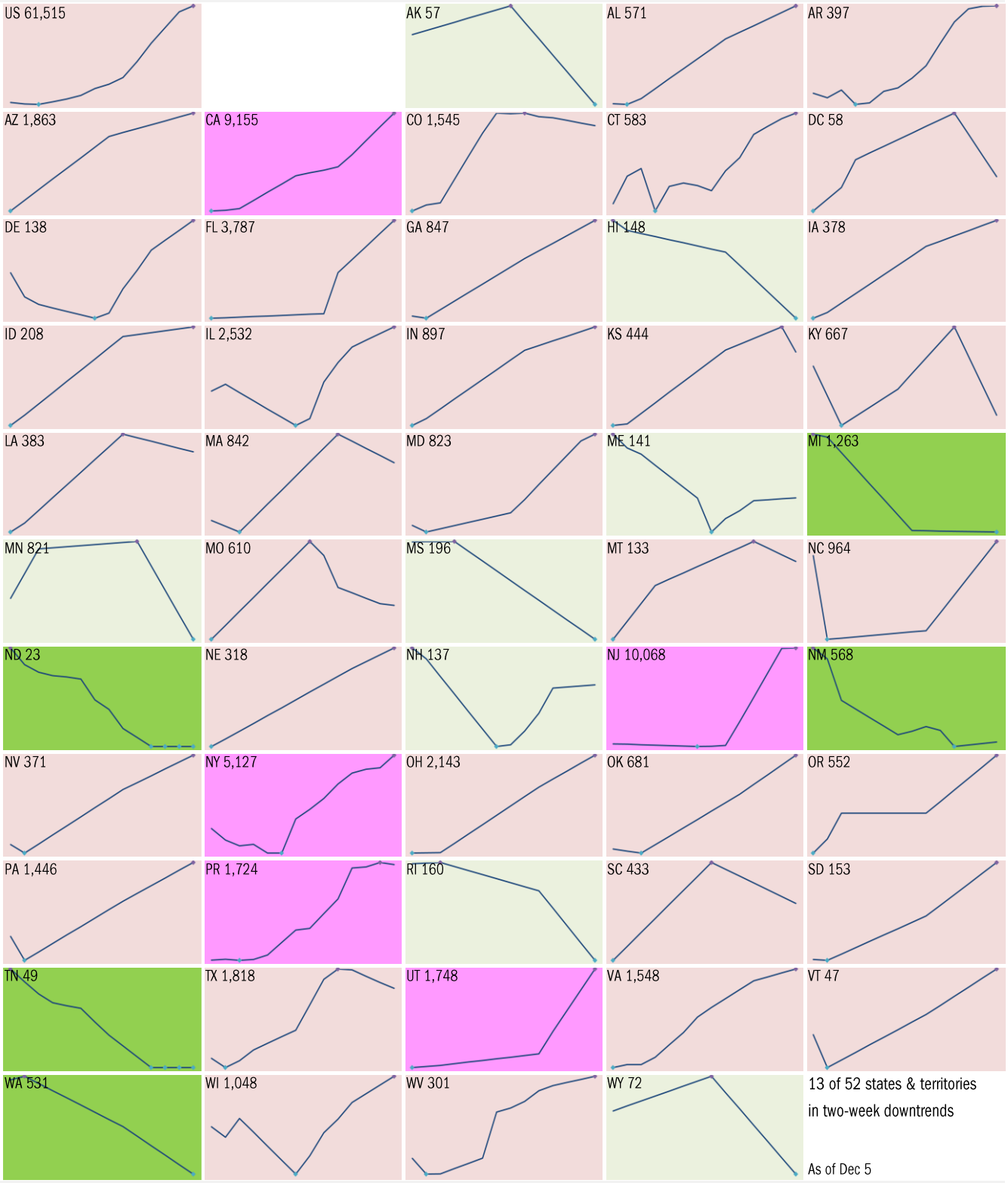


Source: Johns Hopkins, TrendMacro calculations

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

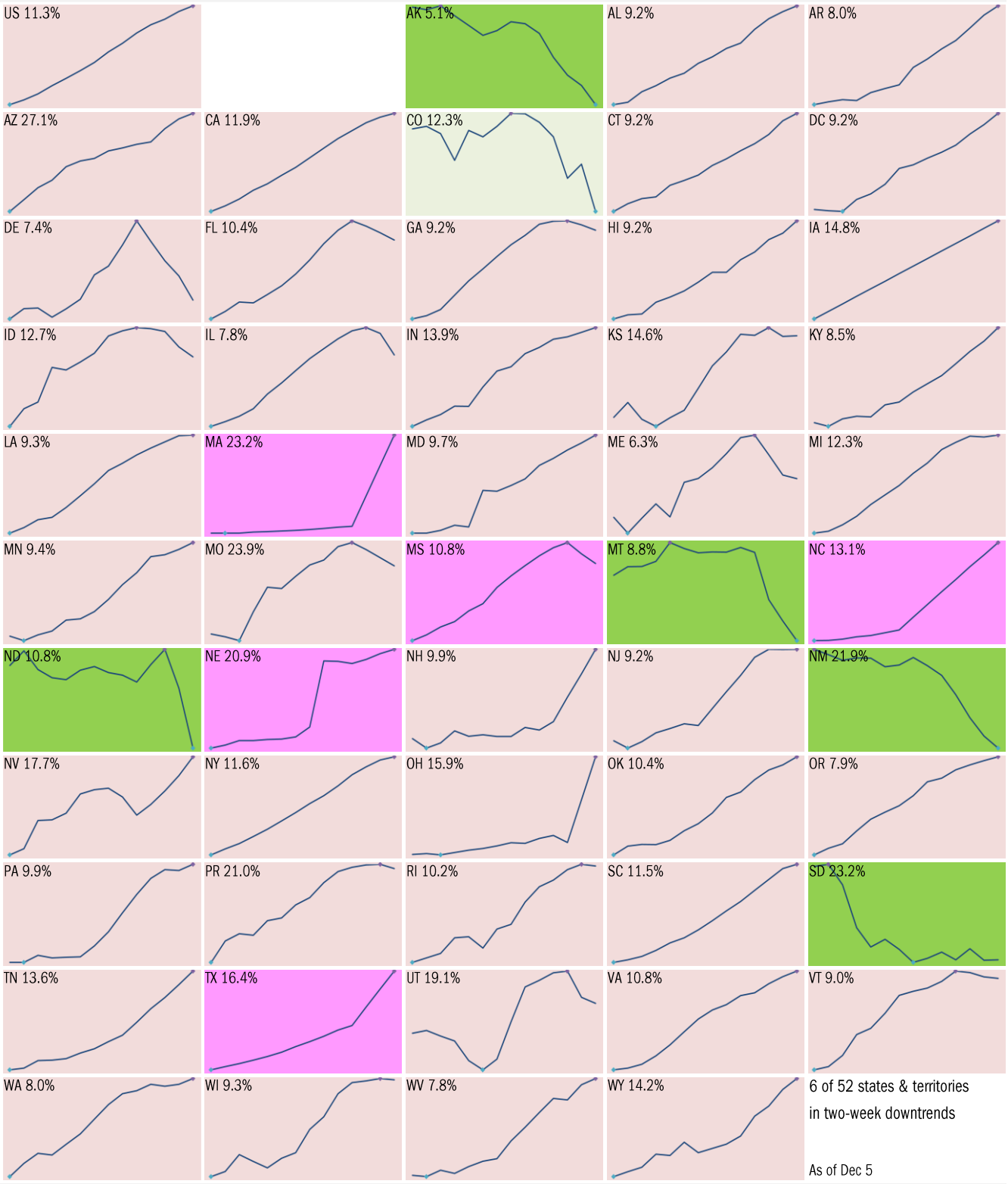


Source: Johns Hopkins, TrendMacro calculations

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

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

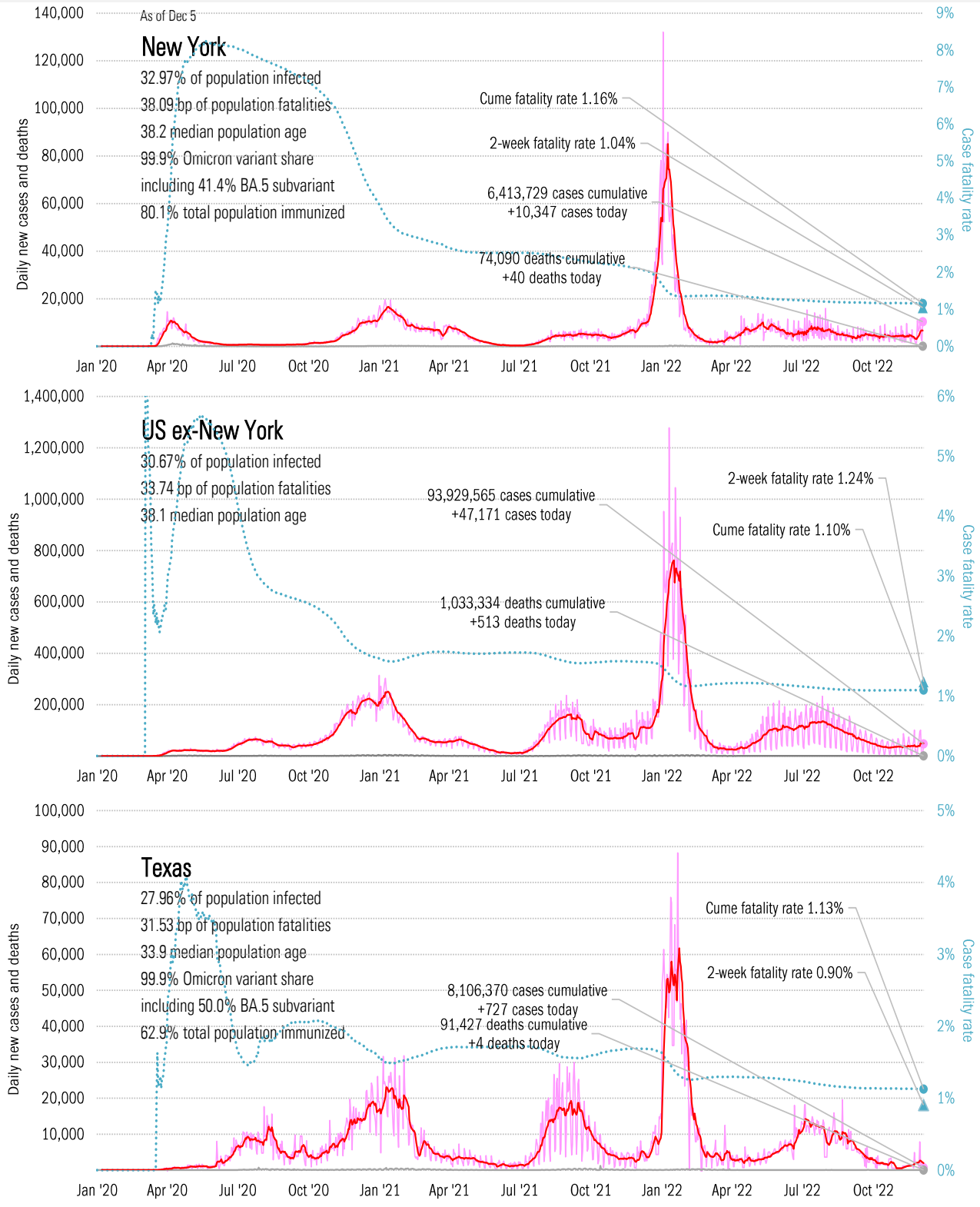
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

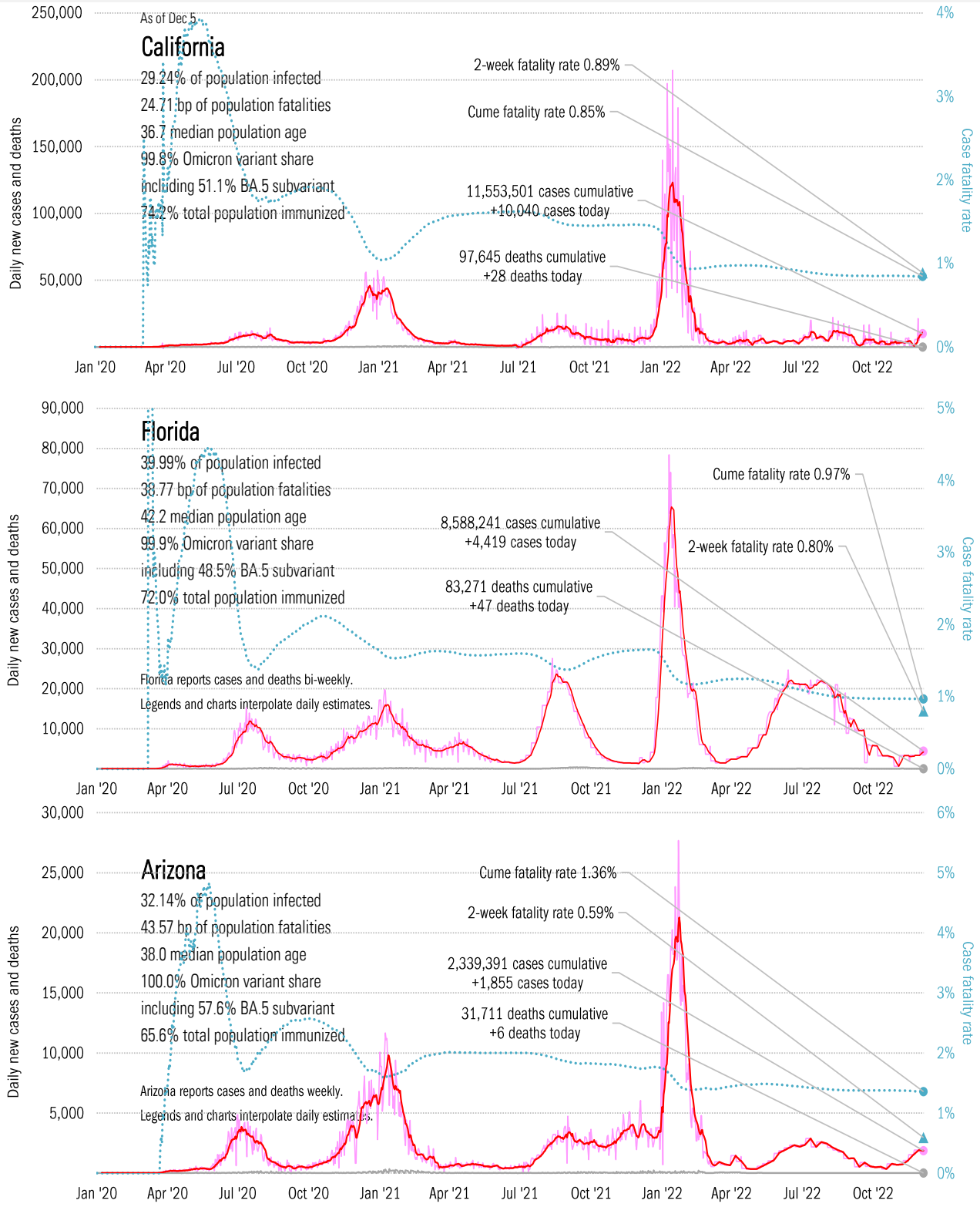
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

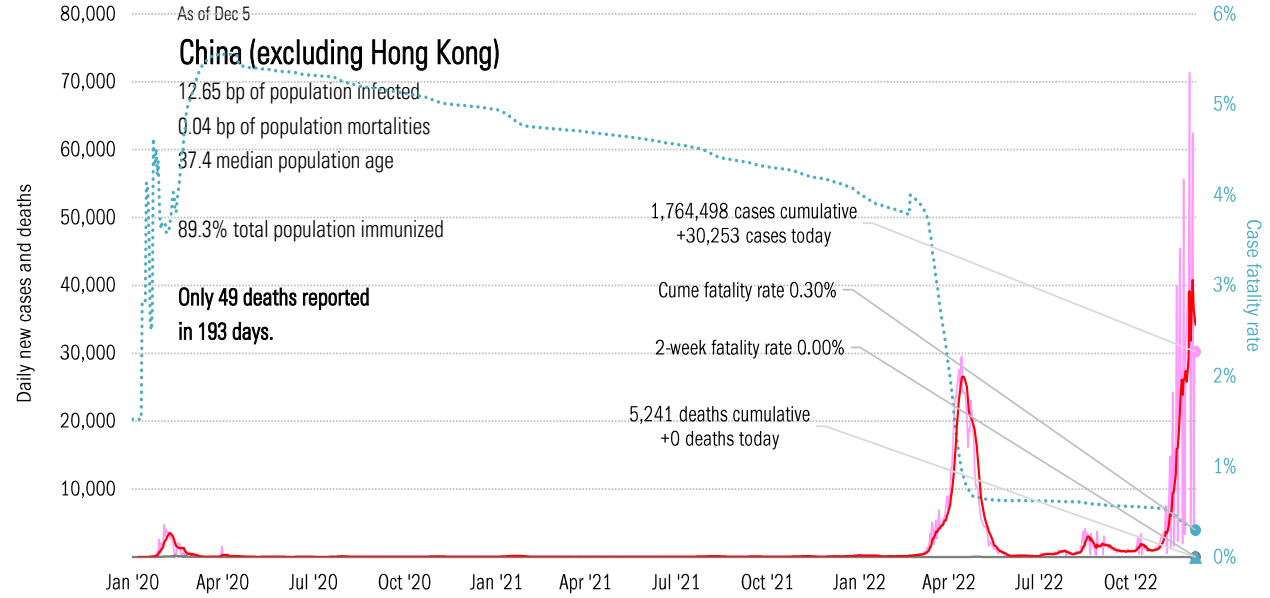
Cases: 7-day average and daily Deaths: Daily

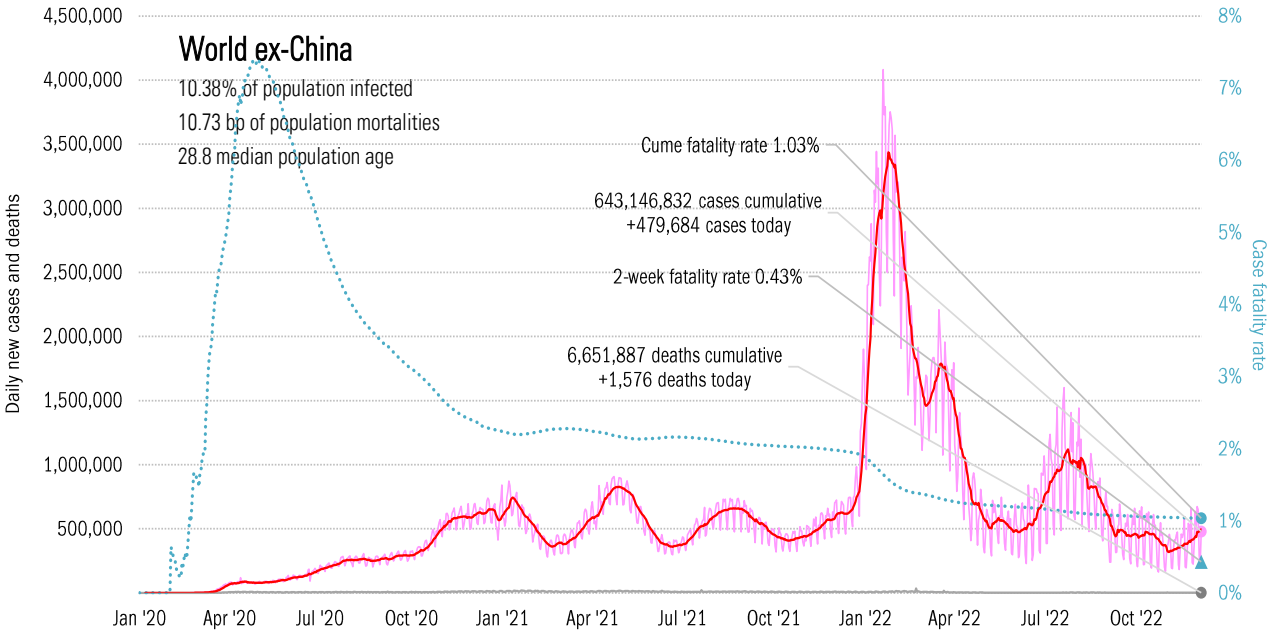


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

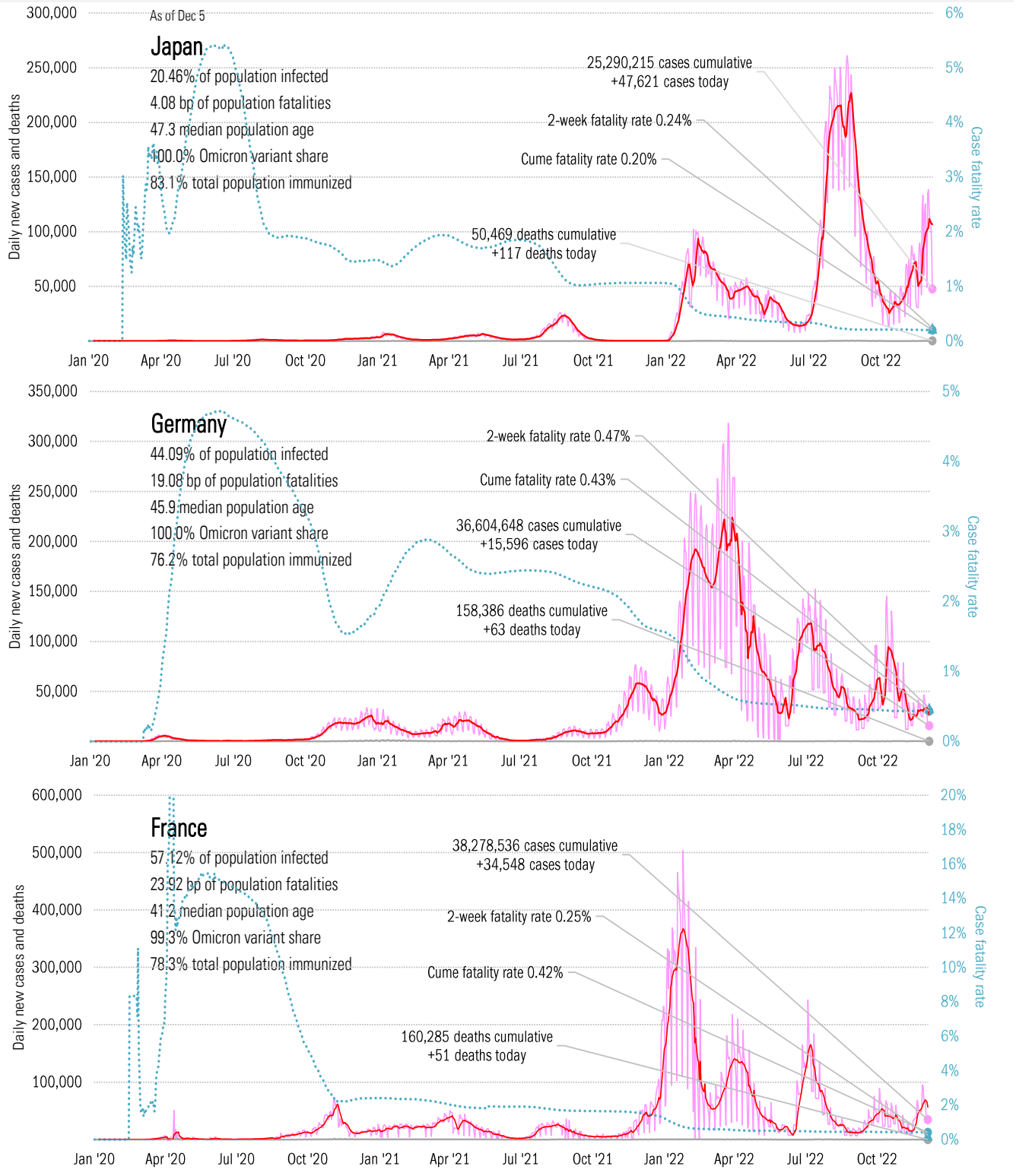




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

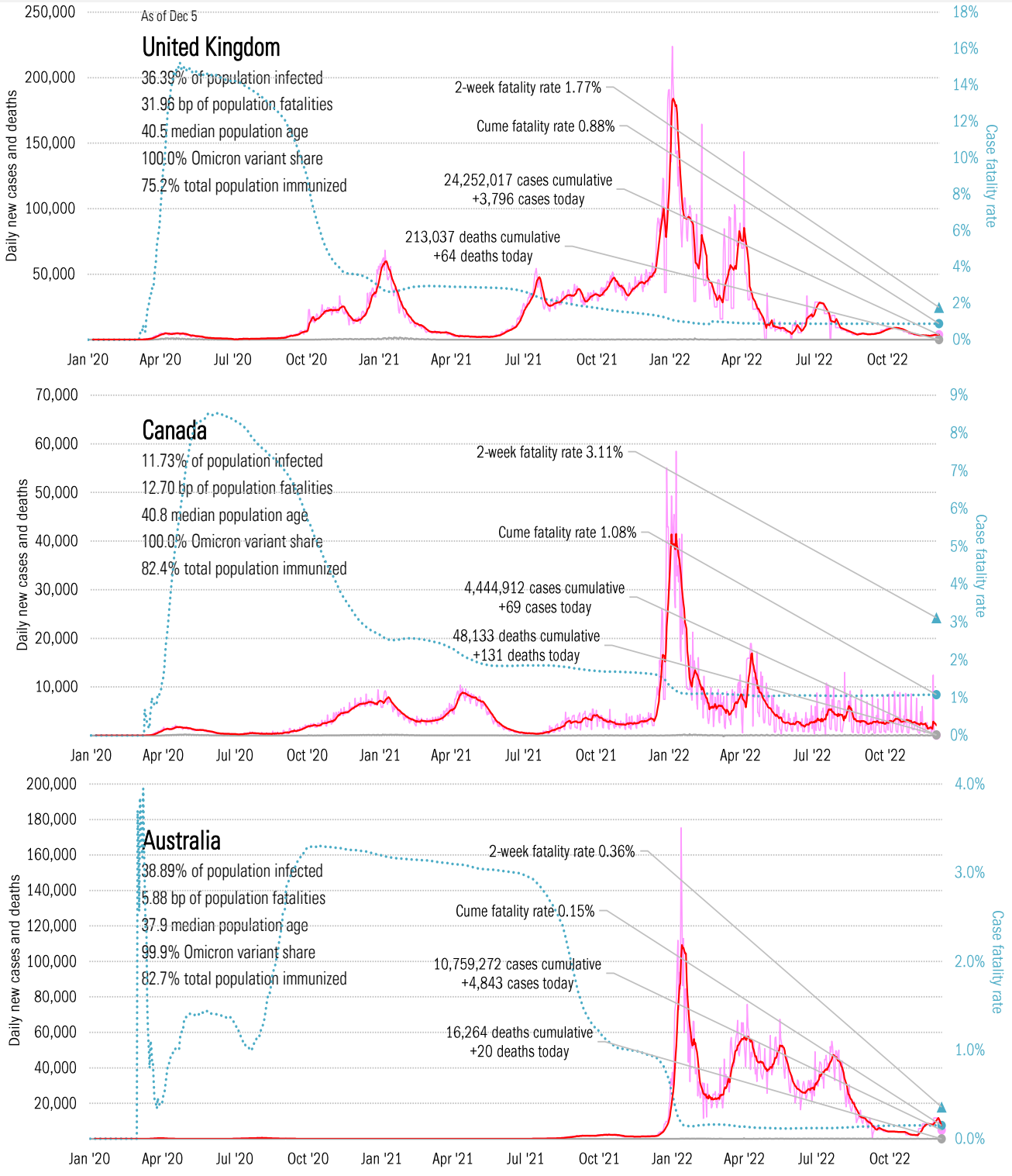
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

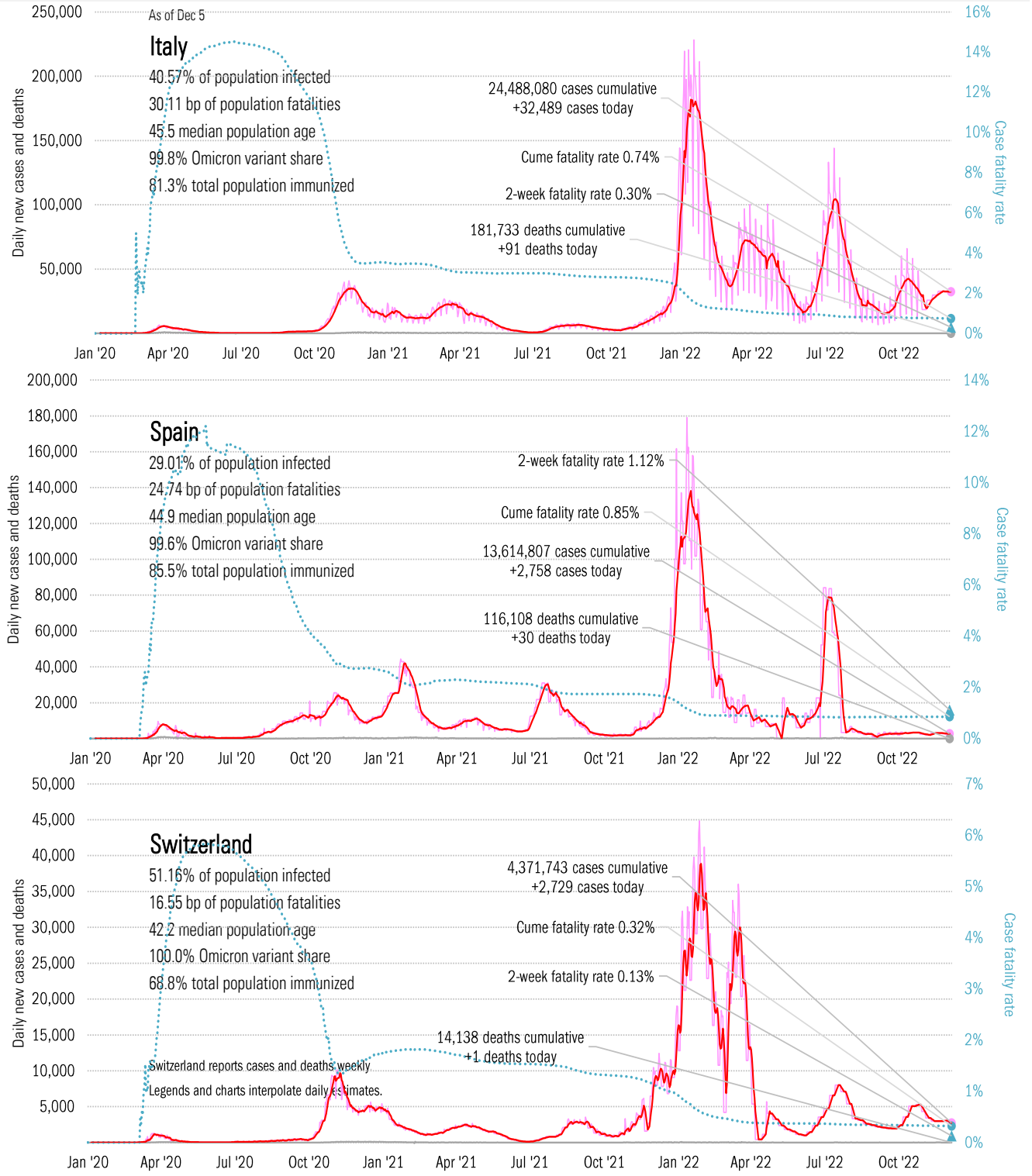
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

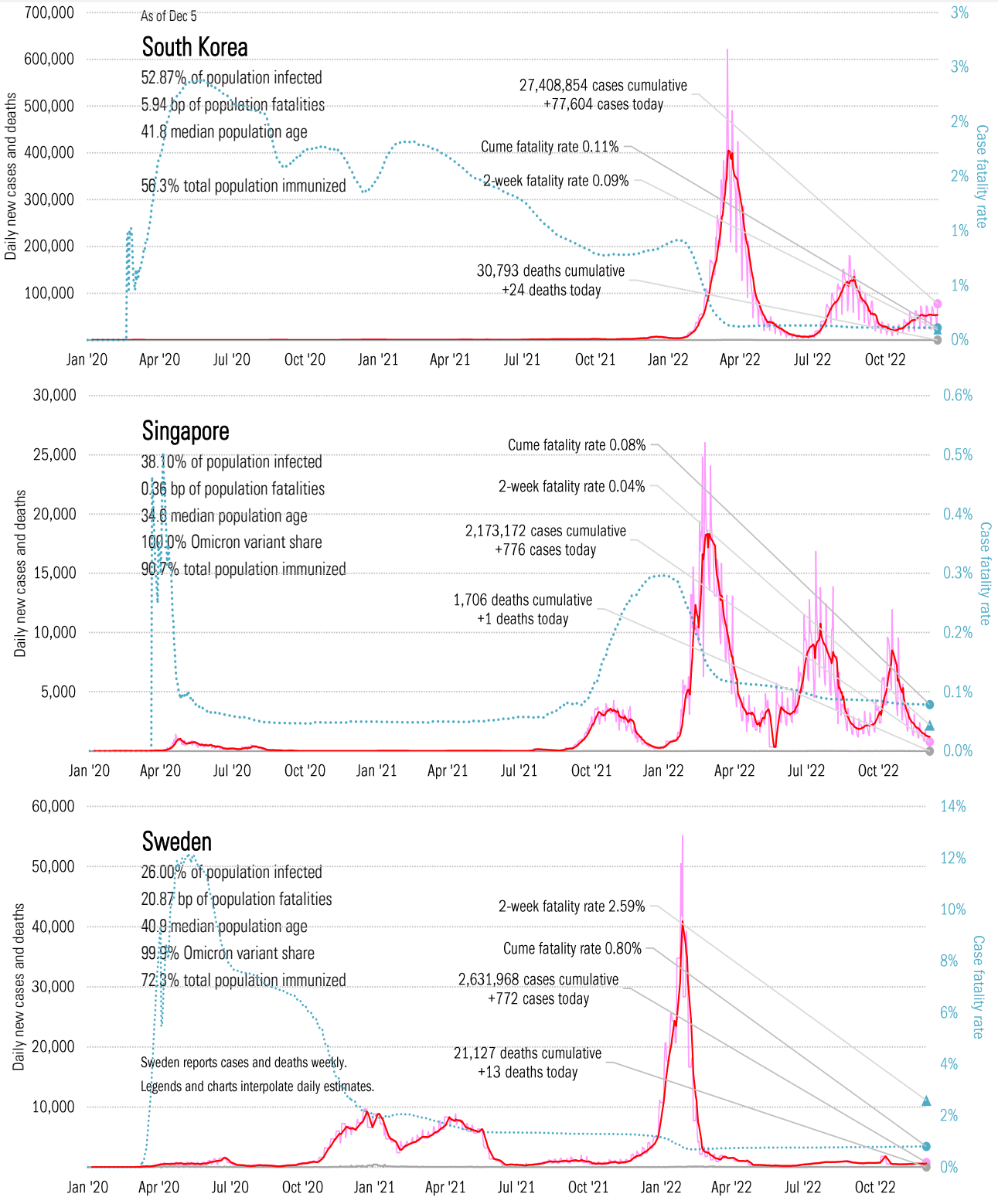
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

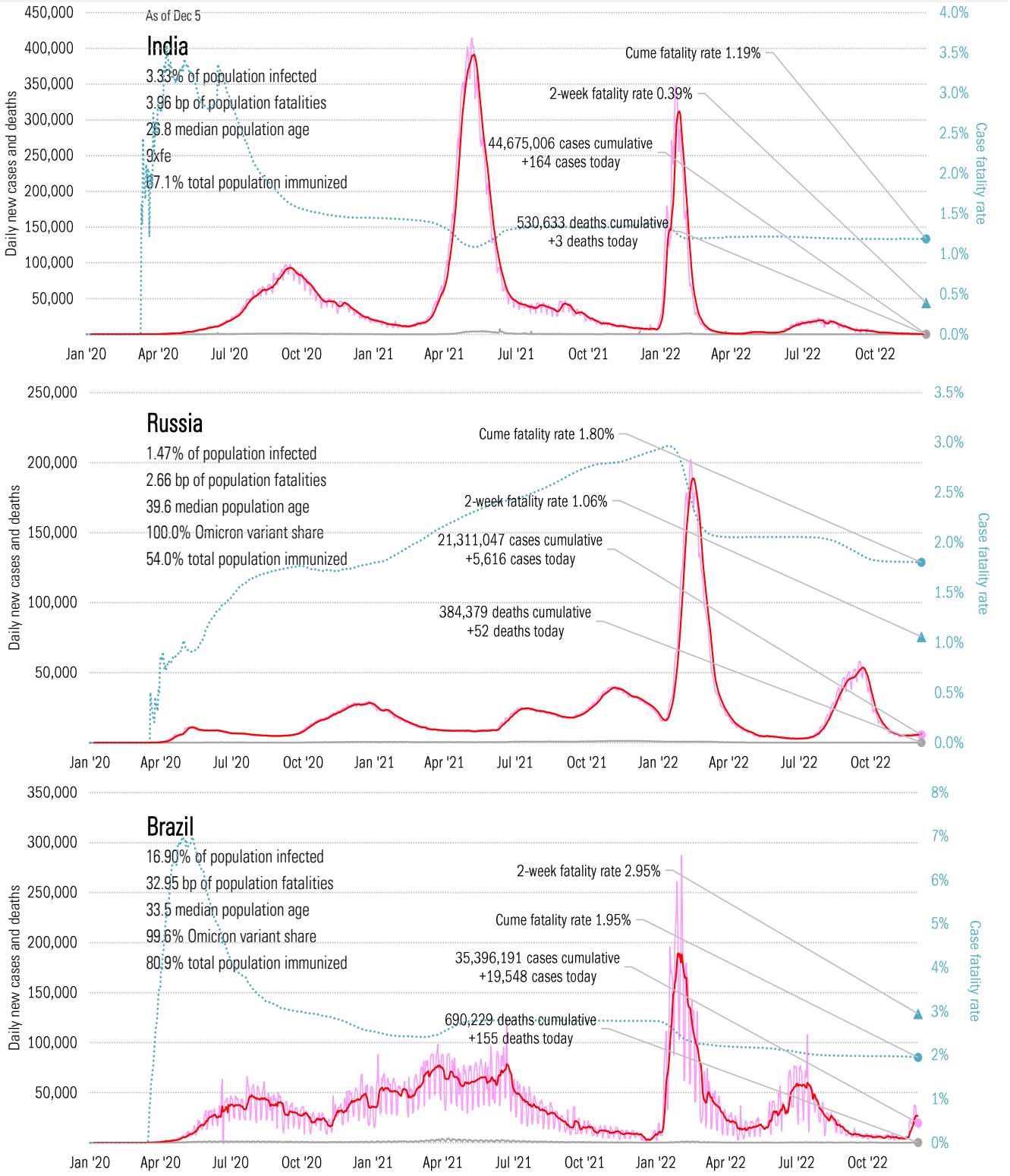
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

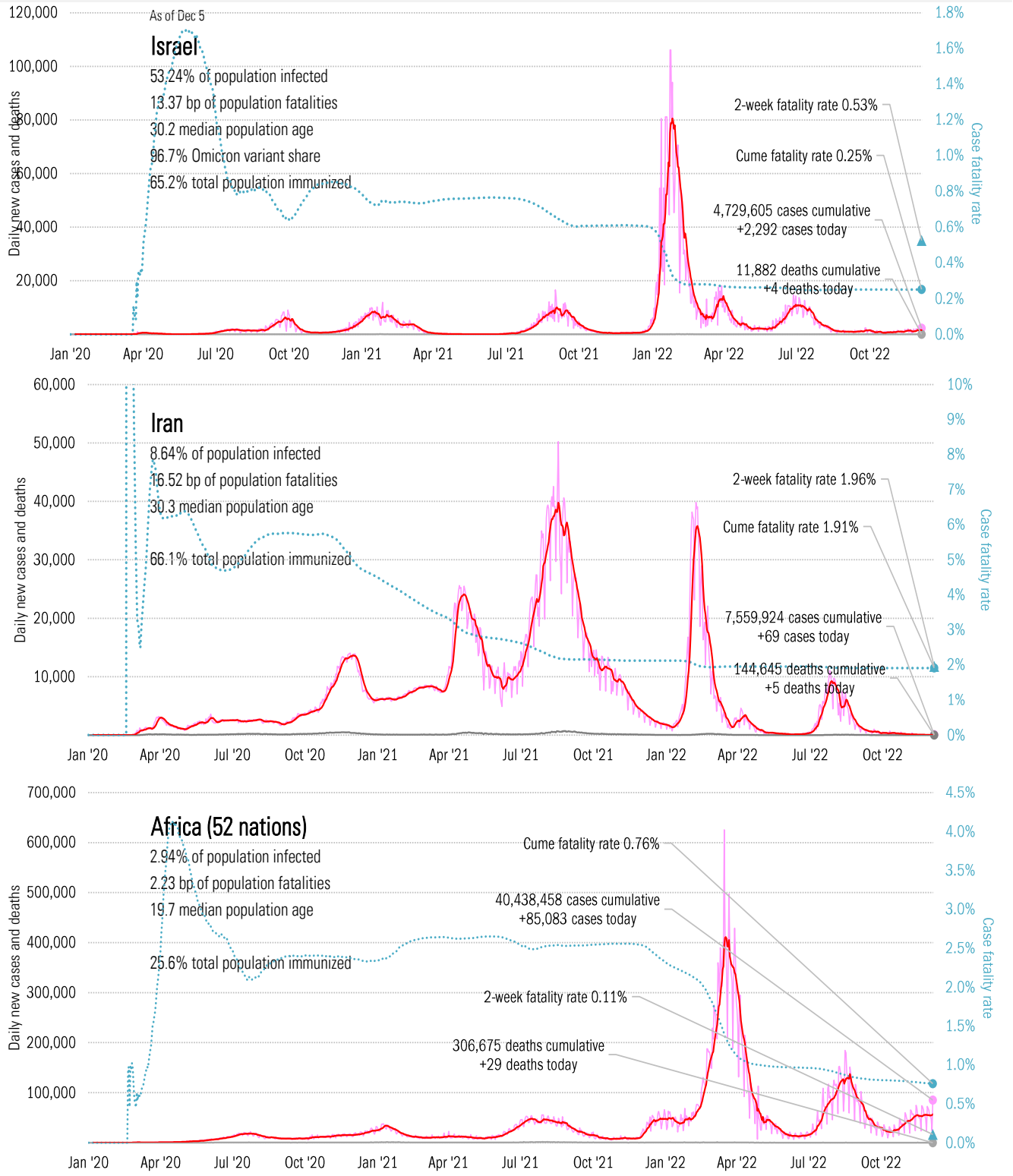
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

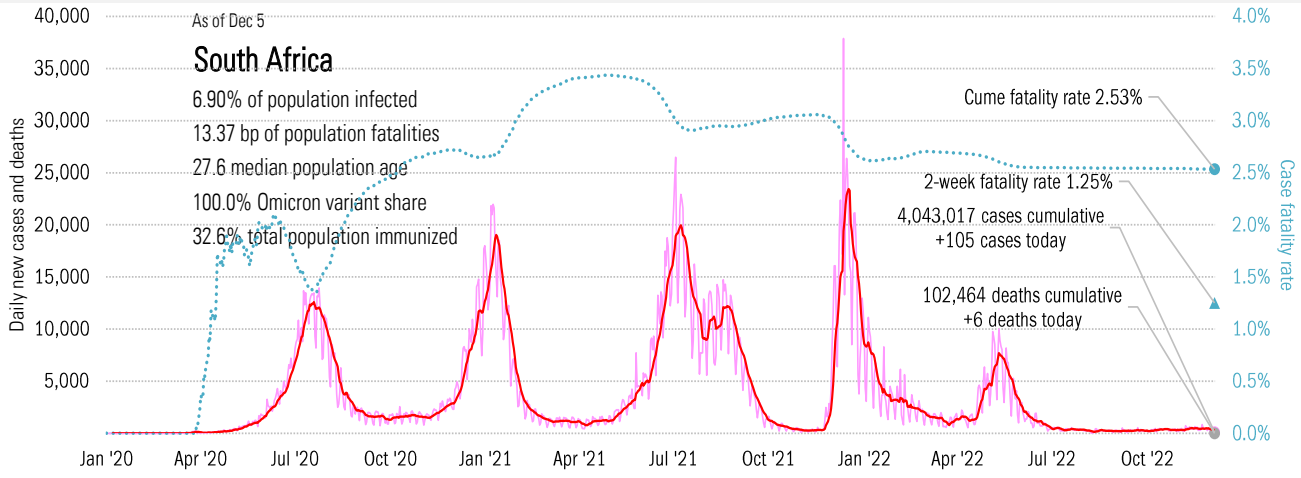
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations