

Data Insights: Covid-2019 Monitor

Saturday, December 3, 2022

The global scorecard

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

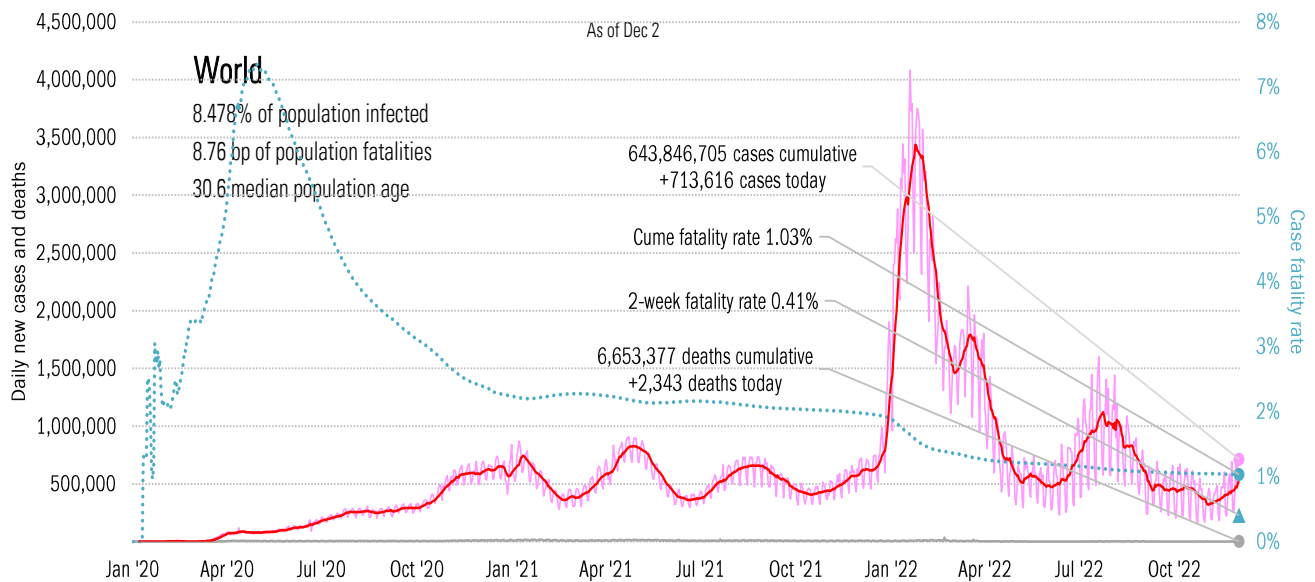
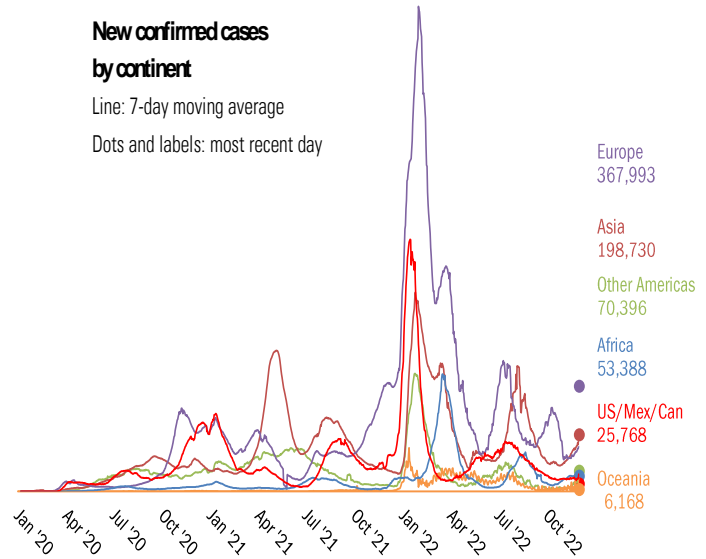
The worst ten countries

New cases		New Deaths	
Japan	109,928	United States	321
United States	102,601	Japan	187
China	62,441	Canada	131
France	59,008	Brazil	129
Korea, South	52,726	Italy	91
Brazil	35,409	Germany	89
Italy	32,489	Ukraine	82
Germany	27,841	France	67
Taiwan*	14,073	Portugal	67
Peru	12,746	United Kingdom	64
509,262		1,228	
World	713,616	World	2,343
Top ten	71%	Top ten	52%

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

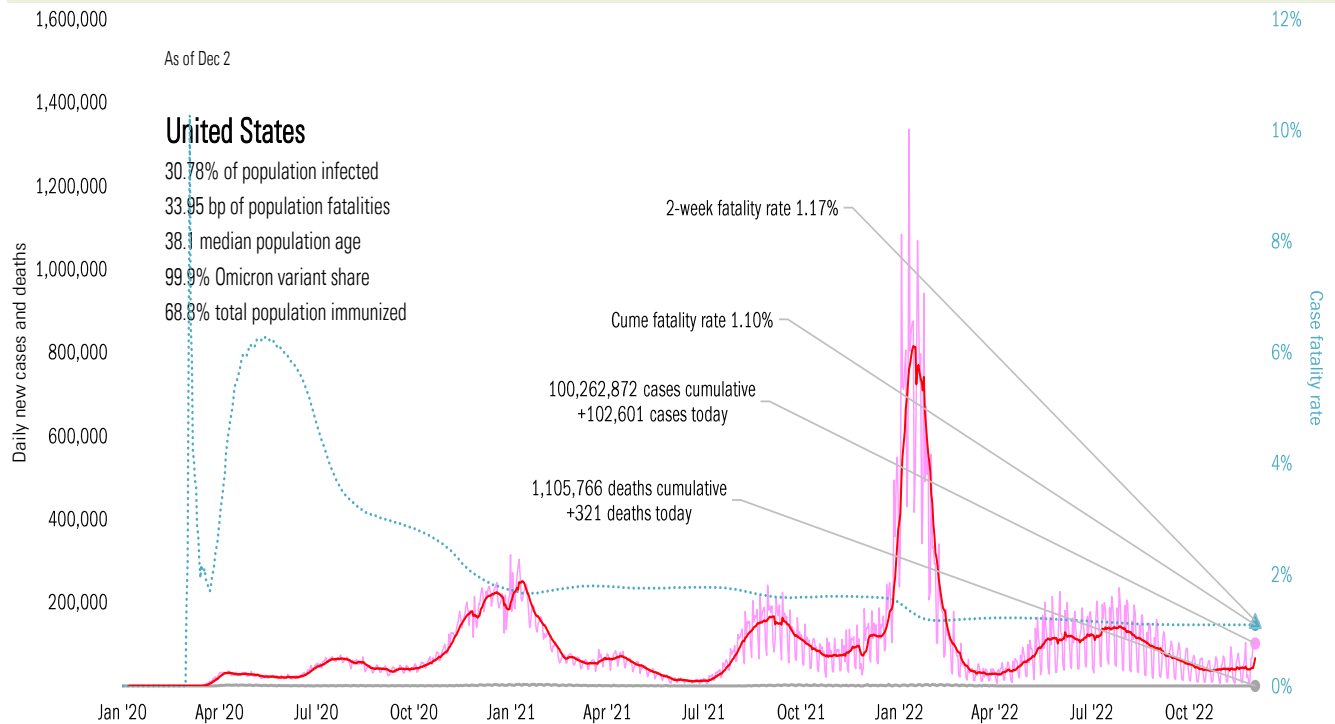
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NJ	31,022		FL	47		CA	770		CA	11,543,461		CA	97,617		TX	557,047		RI	91%	DE	133%
CA	10,268		NY	34		NY	452		TX	8,105,643		TX	91,423		CA	521,708		MN	88%	TX	92%
PA	10,213		VA	20		TX	353		FL	7,270,410		FL	83,201		FL	504,817		MA	88%	AL	87%
NY	7,600		NJ	17		OH	250		NY	6,397,825		NY	74,050		NY	321,930		MO	87%	MA	87%
MA	5,830		UT	17		GA	152		IL	3,885,398		PA	48,387		GA	230,413		NH	87%	NC	87%
FL	4,419		PA	17		IL	239		PA	3,360,797		GA	41,070		CH	228,679		WA	87%	KY	86%
UT	4,394		MI	16		PA	197		NC	3,275,343		CH	40,558		PA	214,718		WV	86%	NH	86%
IL	3,299		CA	14		FL	216		CH	3,243,850		IL	40,339		IL	196,817		MD	86%	AK	85%
CH	2,299		IL	14		NJ	177		GA	2,943,519		MI	40,085		MI	170,652		GA	86%	RI	85%
VA	1,910		MA	13		CT	88		MI	2,938,443		NJ	35,161		KY	148,191		CT	84%	GA	85%
81,254			208			2,894			52,964,689			591,891			3,094,972						
All states	102,601			321			5,017		All states	100,262,872			1,105,766			5,622,906		All states	70%		67%
Top ten	79%			65%			58%		Top ten	53%			55%			55%		Median	81%		79%

Some states not reporting

Five most improved US states

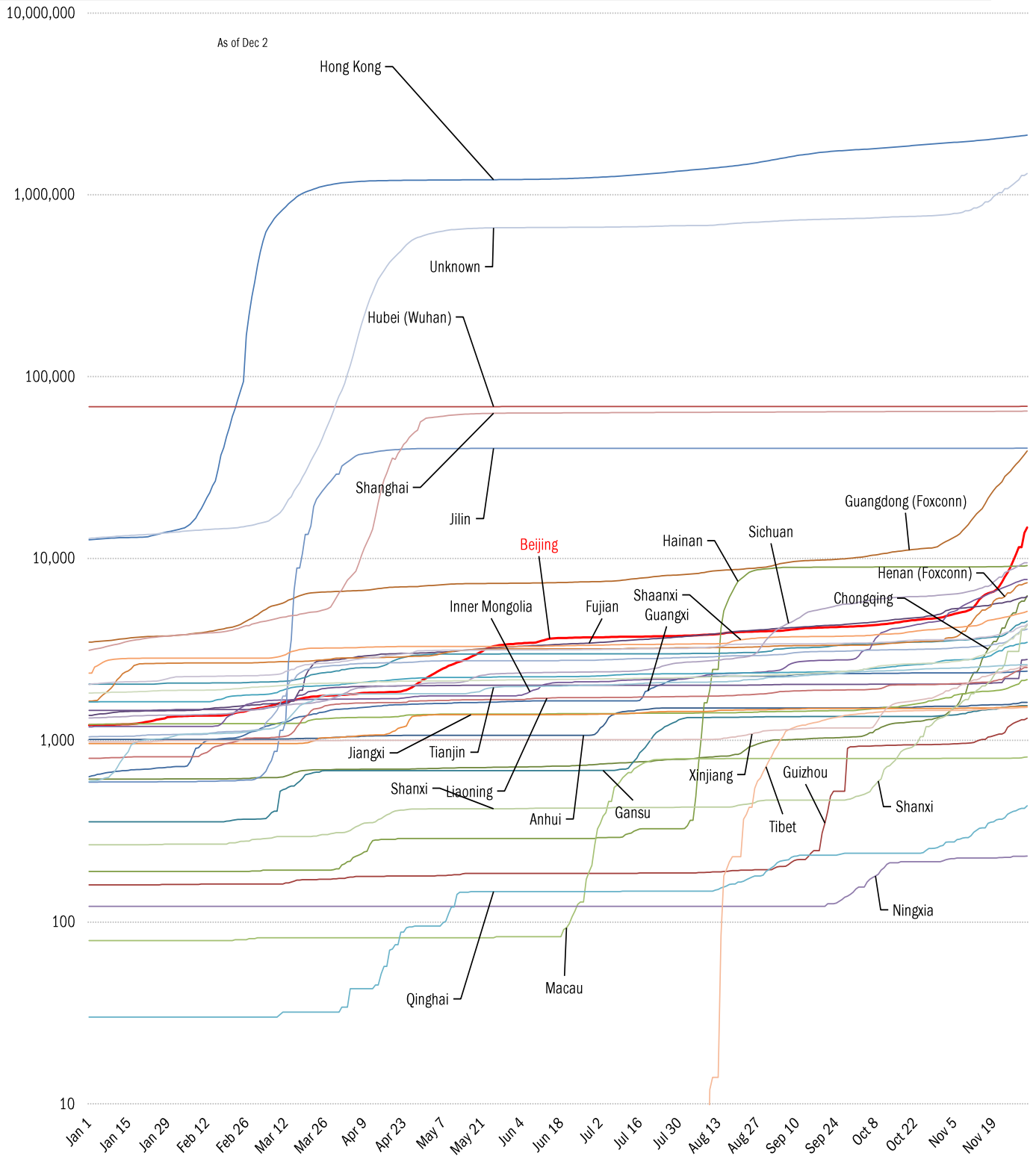
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-1,843	CA	-60	IN	-24
TX	-1,418	IL	-8	SC	-21
IL	-1,359	MD	-8	ME	-16
FL	-728	WI	-6	MI	-15
NE	-329	UT	-4	NE	-8



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"

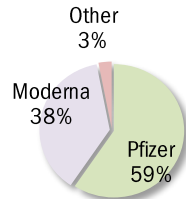


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	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	France	78.3%	80.5%
Total population	275,701,442	83%	235,149,532	70%	+0.017 million	Spain	85.5%	86.9%
Age 12 to 17	18,361,225	73%	15,723,595	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	183,423,335	90%	156,037,449	77%	+0.007 million	Italy	81.3%	86.2%
Age 65 and over	60,769,877	100%	53,226,370	97%	+0.001 million	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%



AK
72.5%
64.8%

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

Best
Middle
Worst

"Immunity" = two doses

WI
74.6%
67.8%

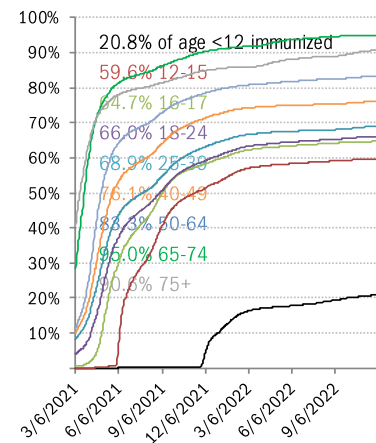
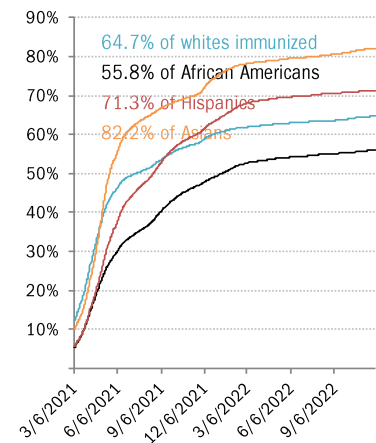
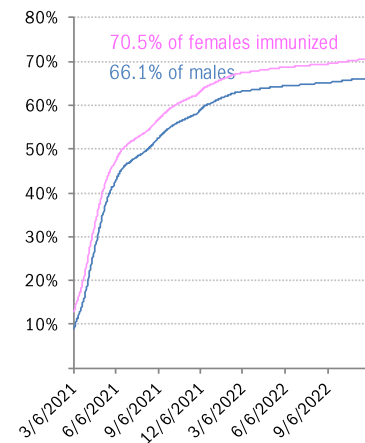
As of Dec 2

ME
95.0%
82.7%

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%						
60.0%	54.8%	53.5%	52.9%	56.7%						
TX										
75.7%										
62.9%										
HI										
90.8%										
81.0%										
FL										
81.9%										
69.0%										
PR										
95.0%										
86.7%										

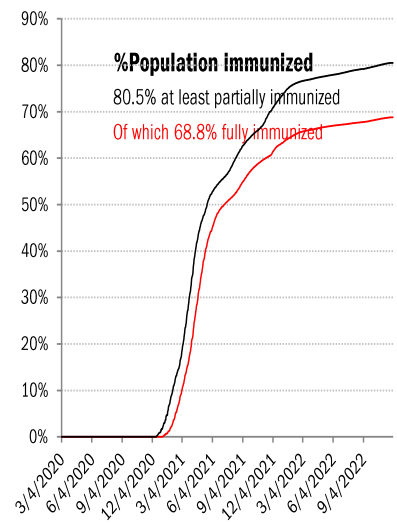
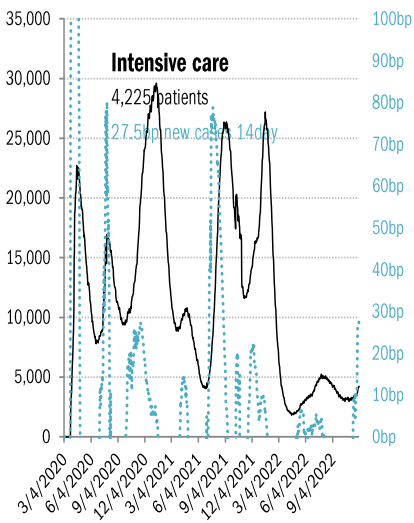
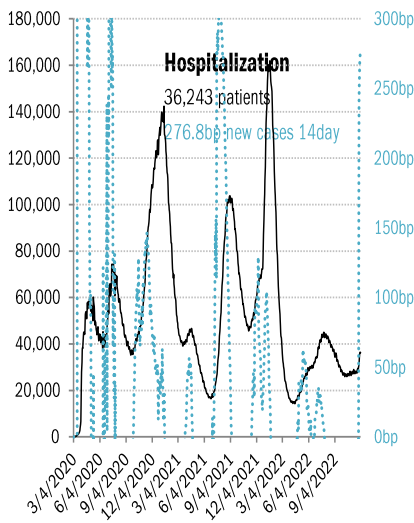
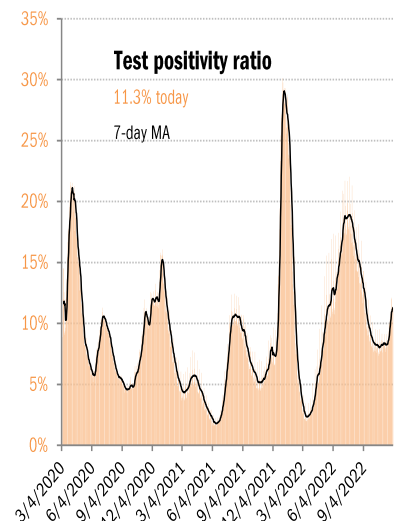
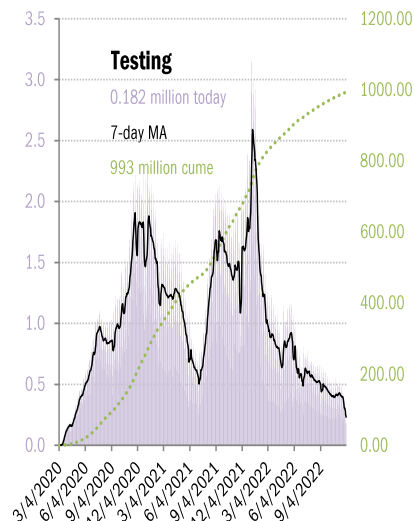
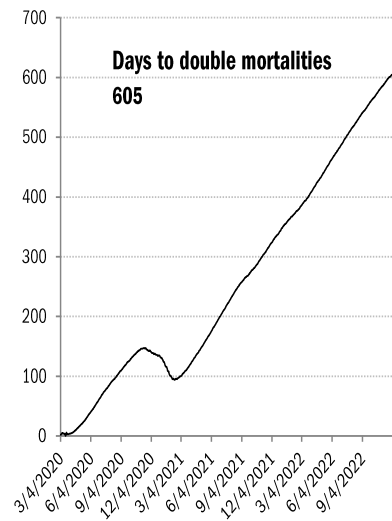
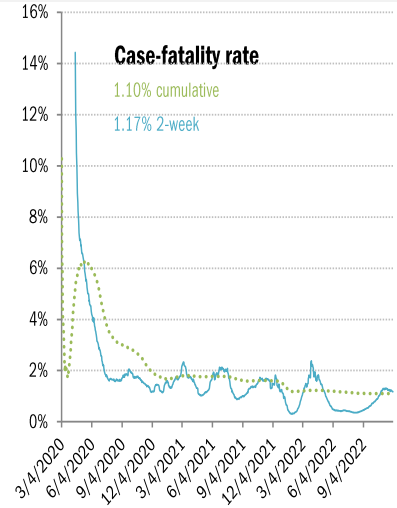
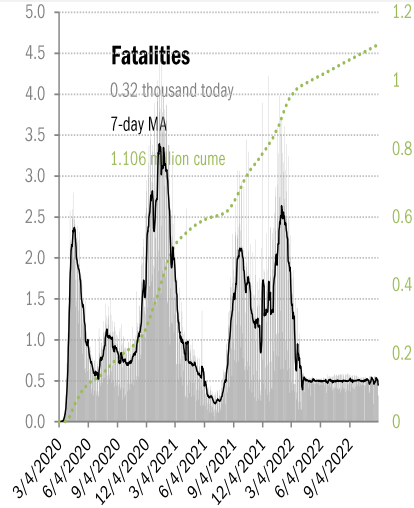
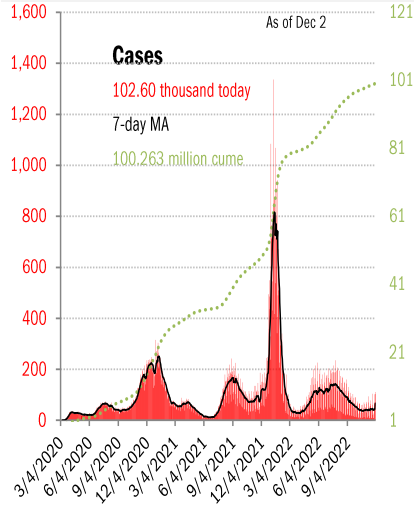
Global data differs due to sources, timing

The demographics of US vaccination

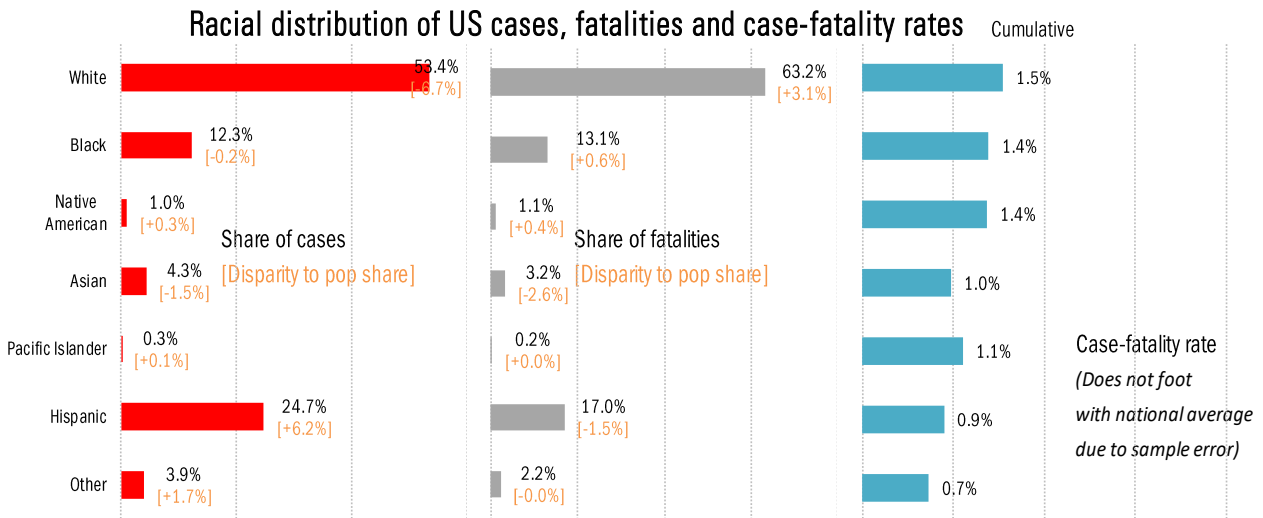
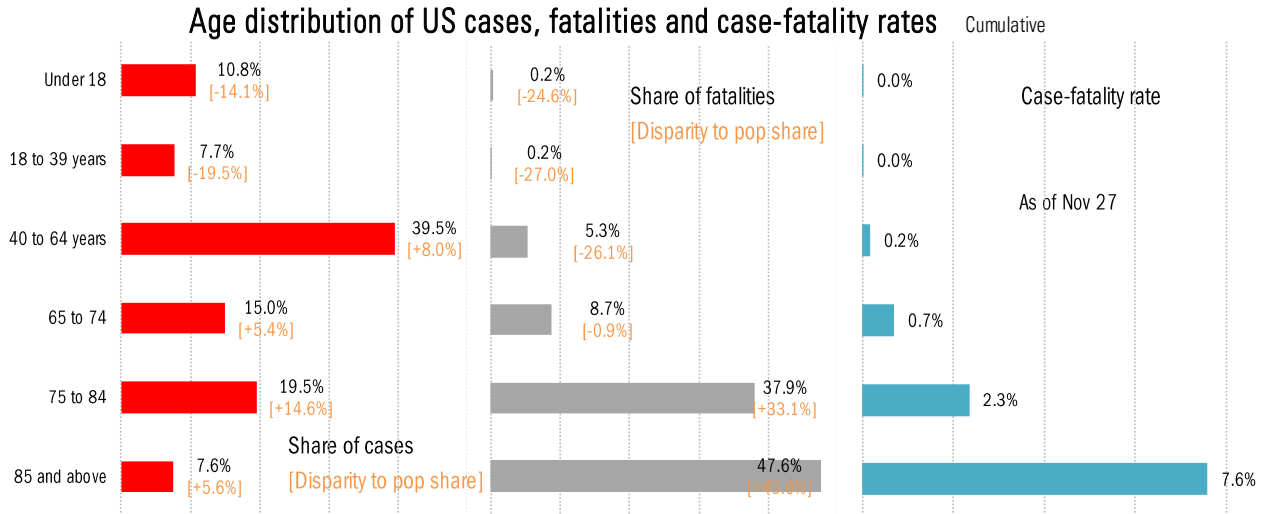


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

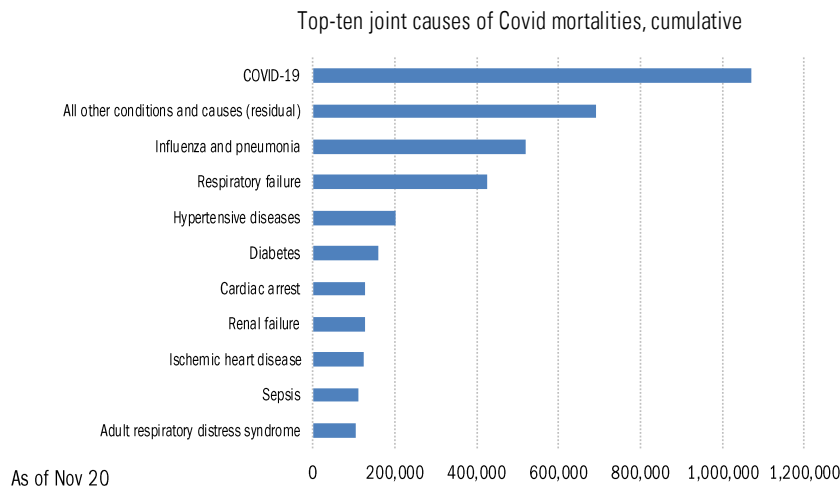
US deep-dive



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

[As respiratory viruses strain US health care systems, Biden administration tells states how it's ready to help](#)

Deidre McPhillips
CNN
December 3, 2022

[The Science Deniers at the New England Journal of Medicine](#)

Neil A. Kurtzman
American Greatness
December 2, 2022

[Beijing, Shenzhen loosen more COVID curbs as China fine-tunes policy](#)

Brenda Goh
Reuters
December 2, 2022

[Rigorous international study of N95 masks upends federal COVID narrative](#)

Greg Piper
Just the News
December 2, 2022

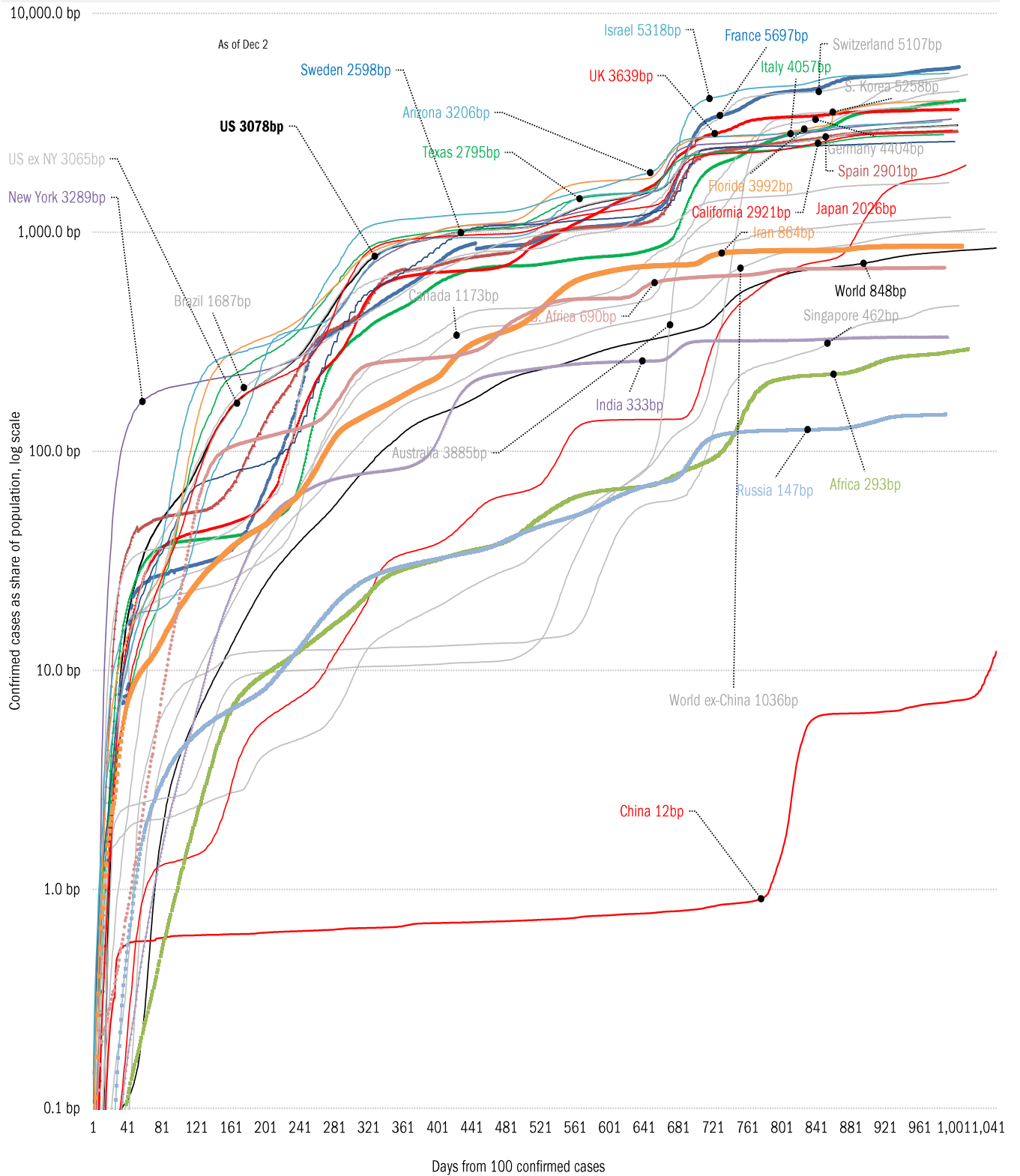
Meme of the Day



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

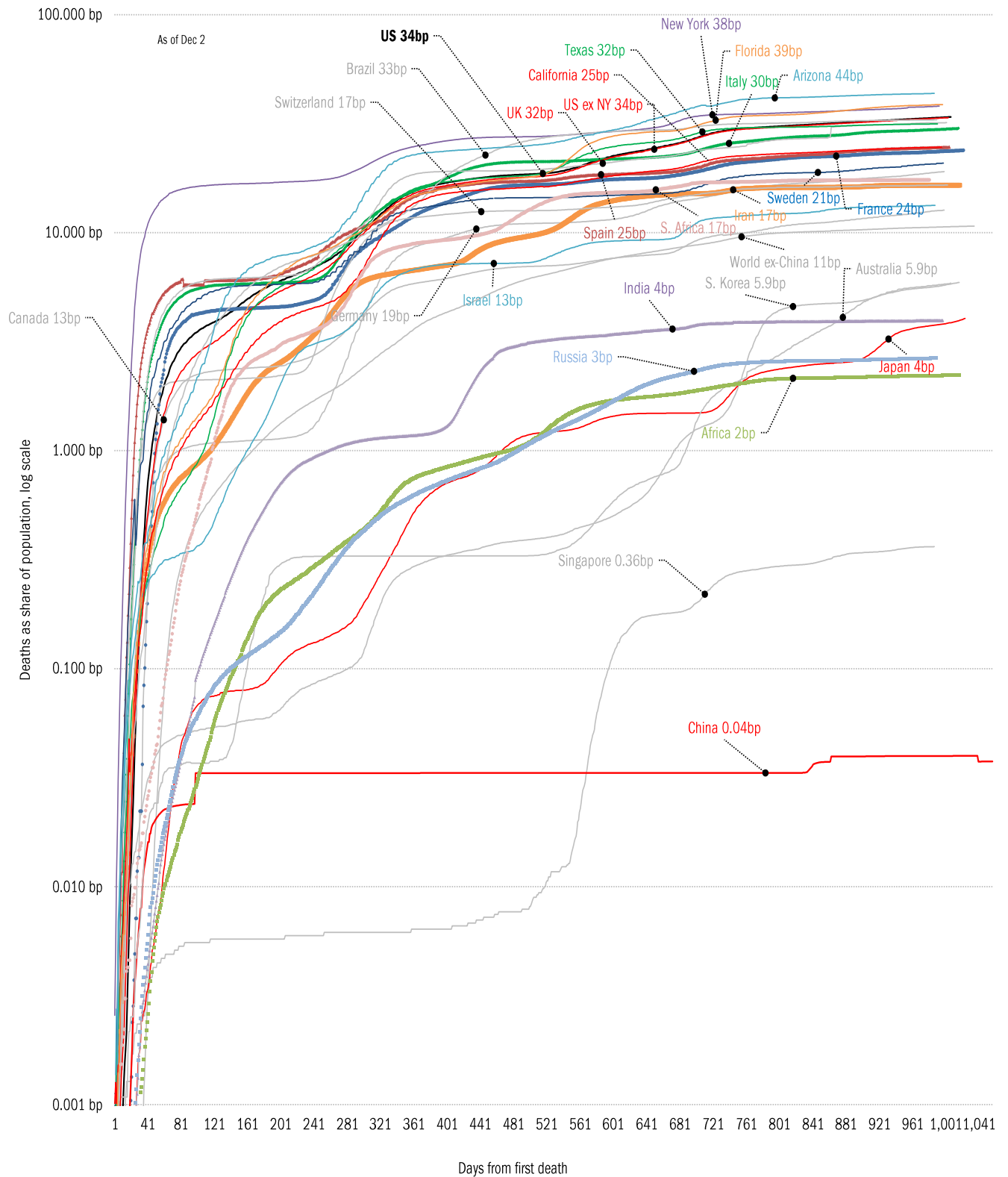
The global coronavirus case accelerometer... tracking the world's infection curves

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



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

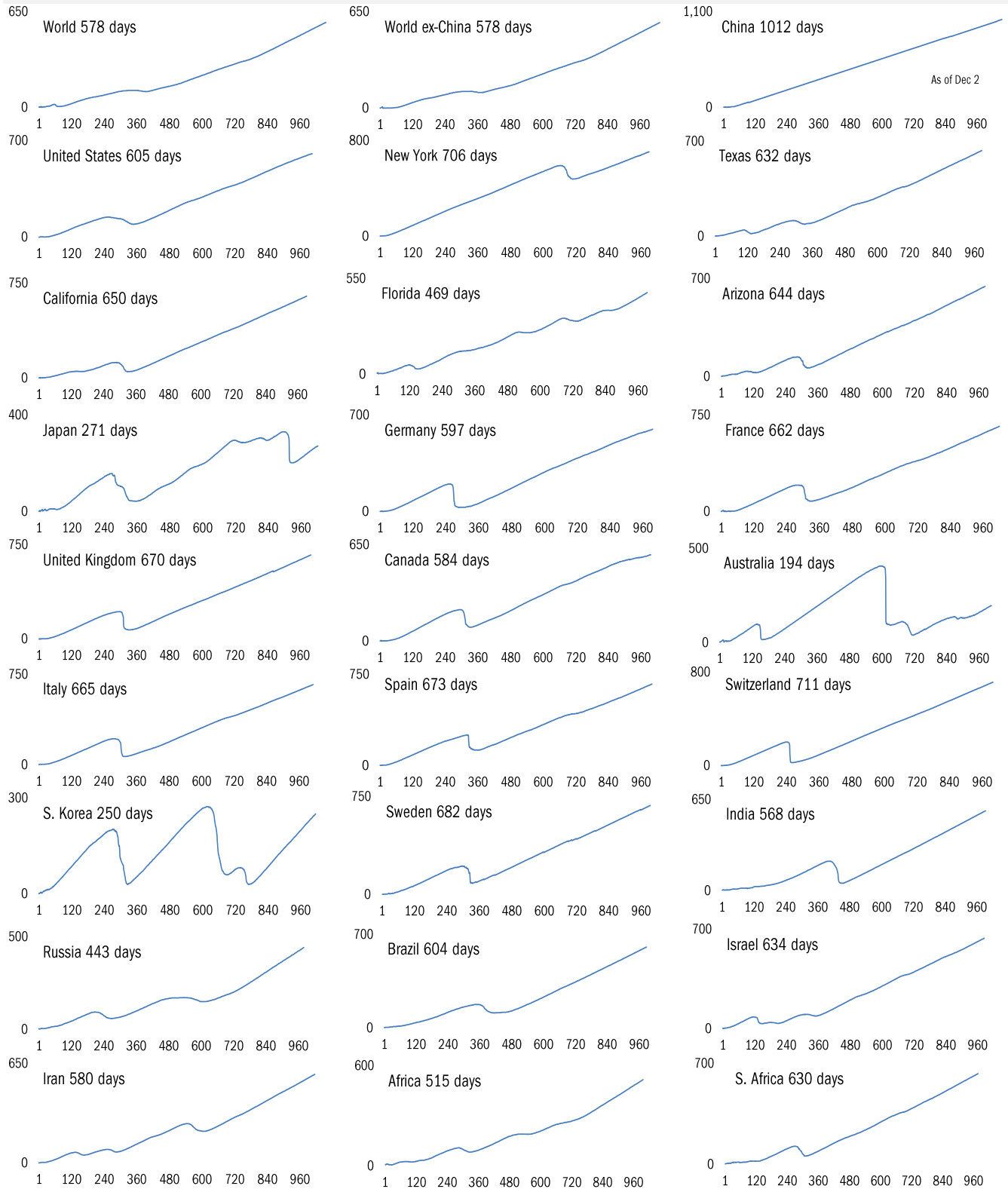
The global coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale



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

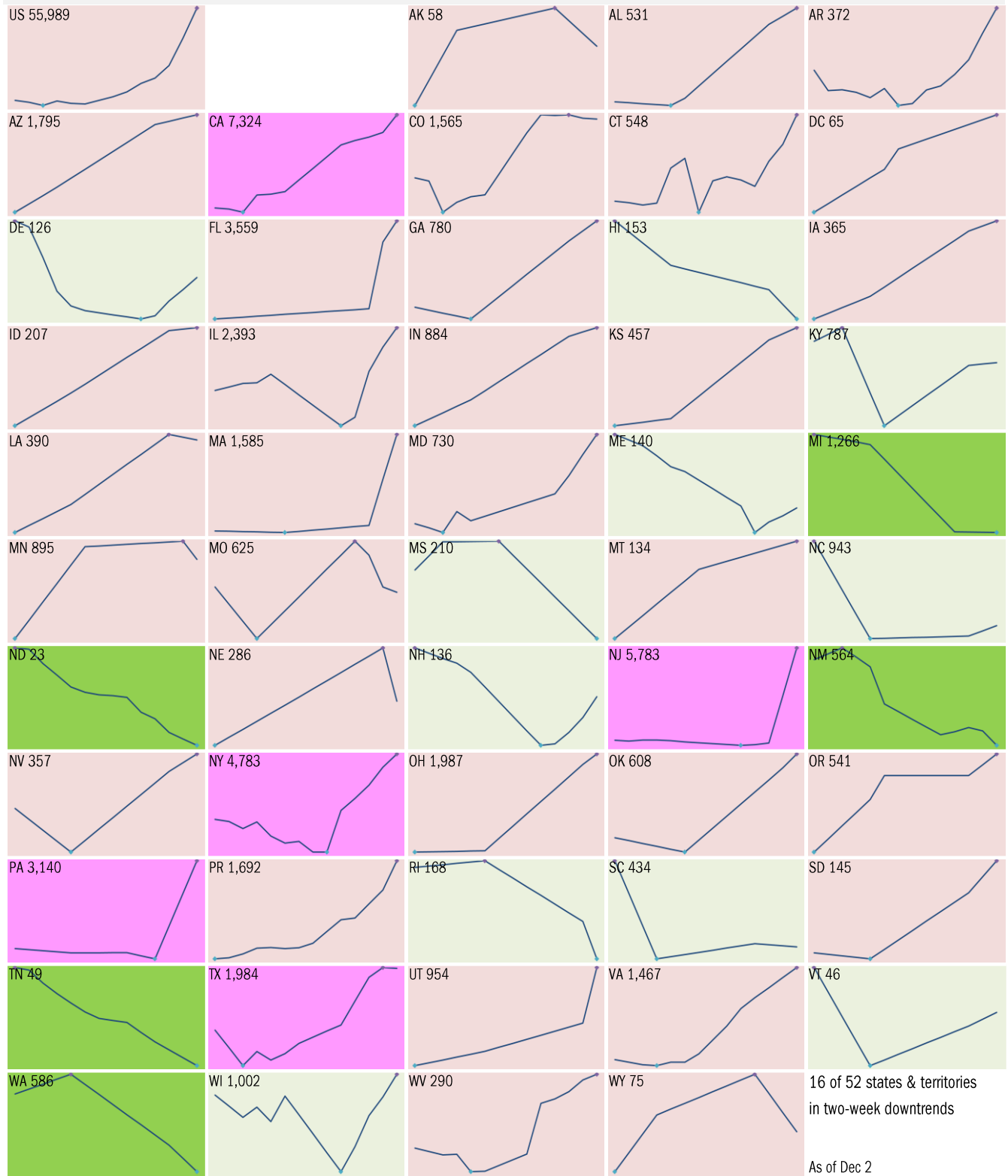


Source: [Johns Hopkins](#), TrendMacro calculations

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

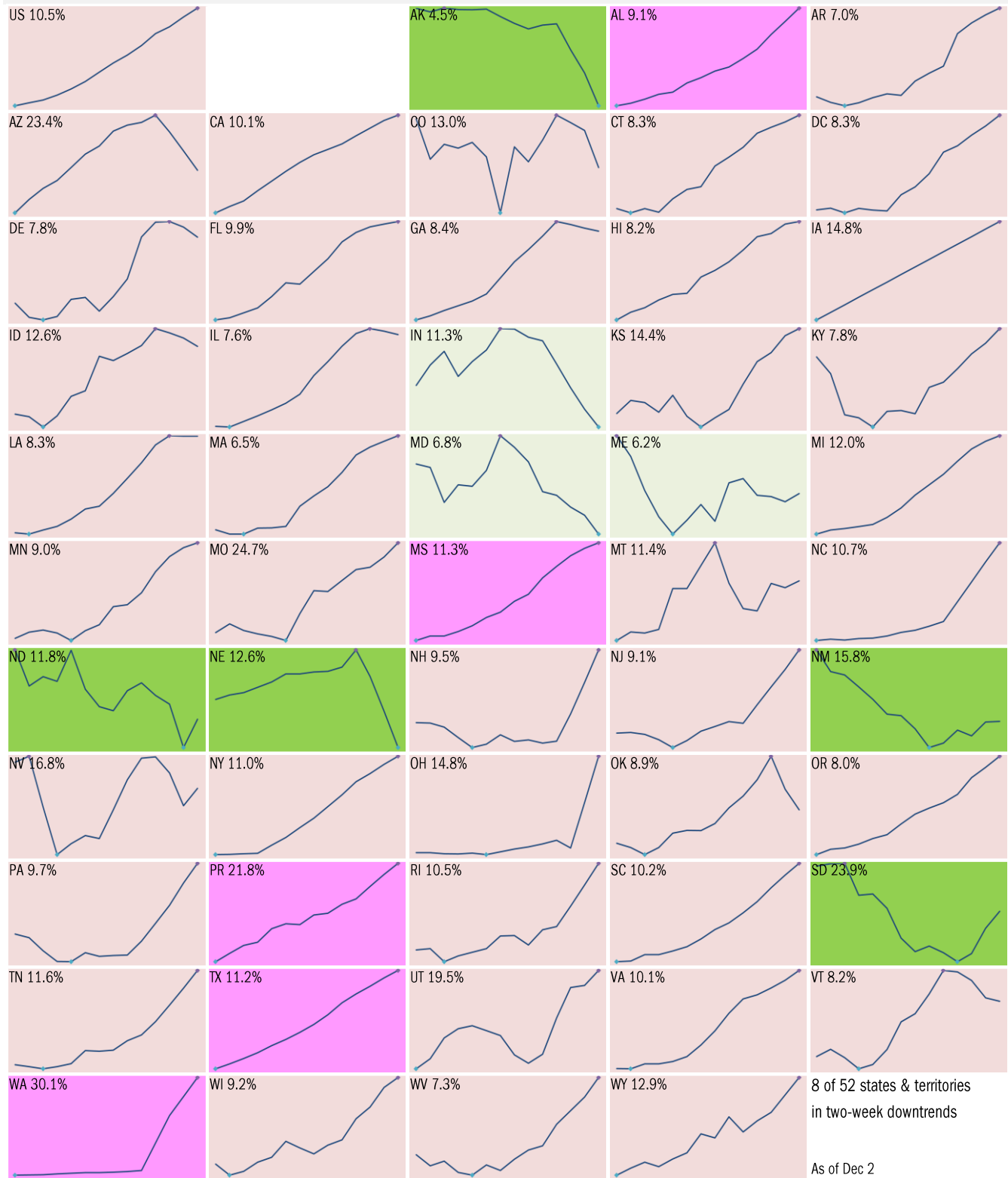


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

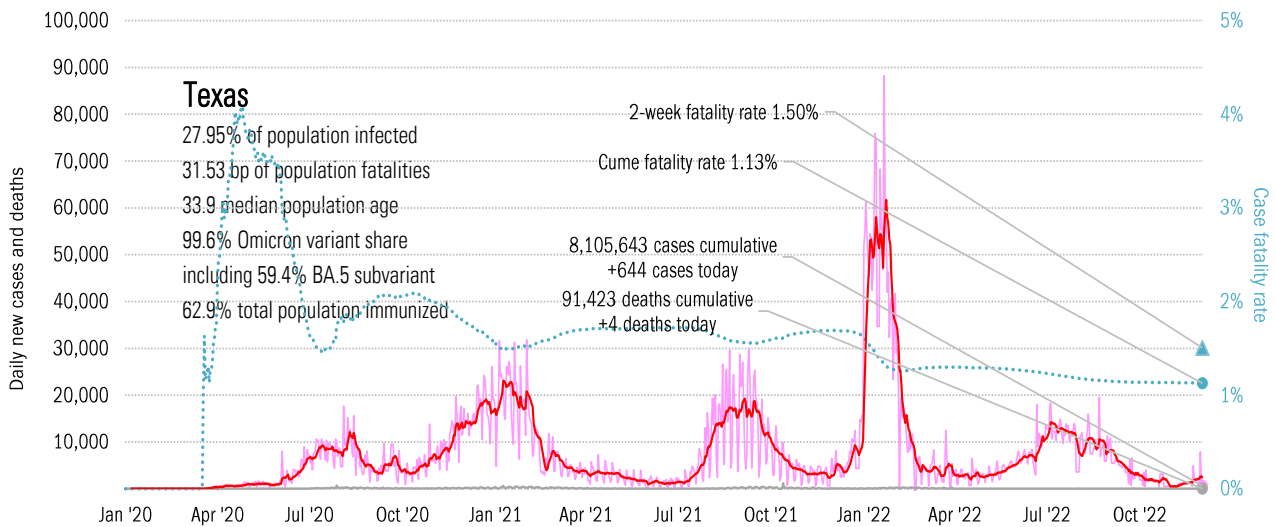
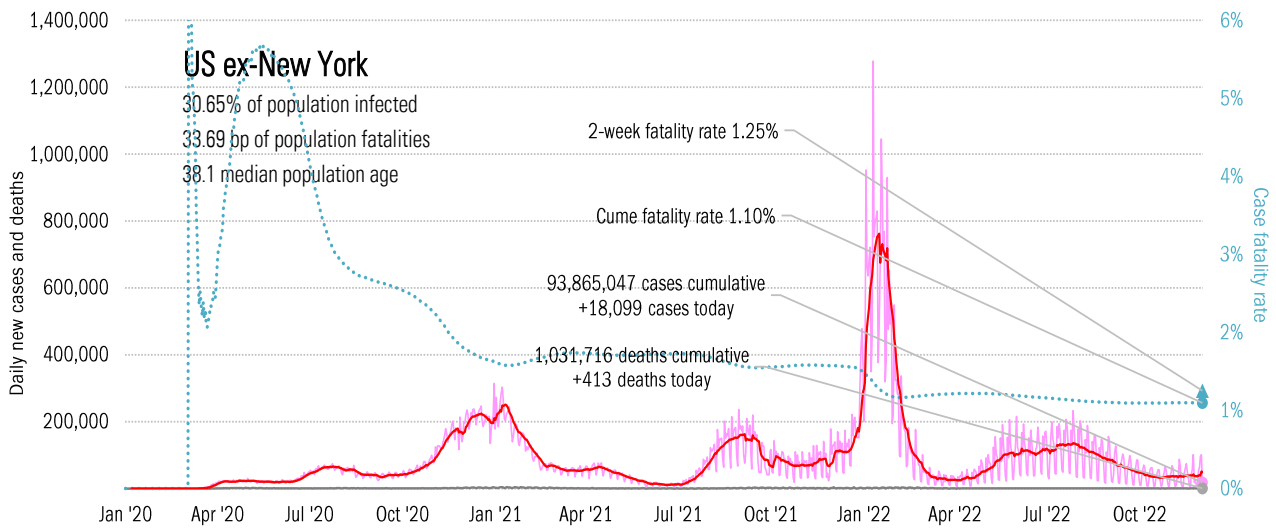
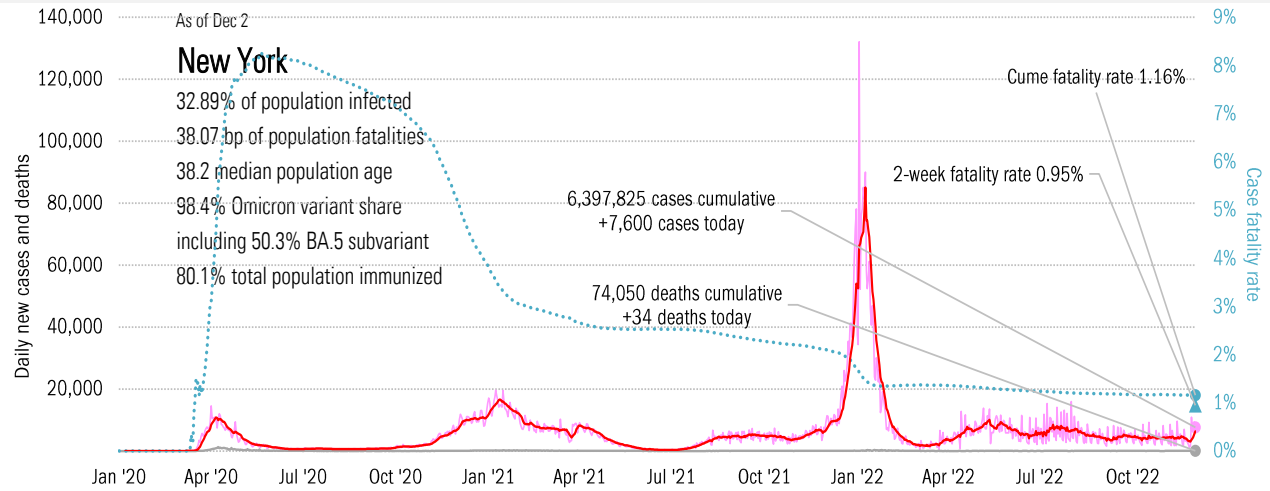
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

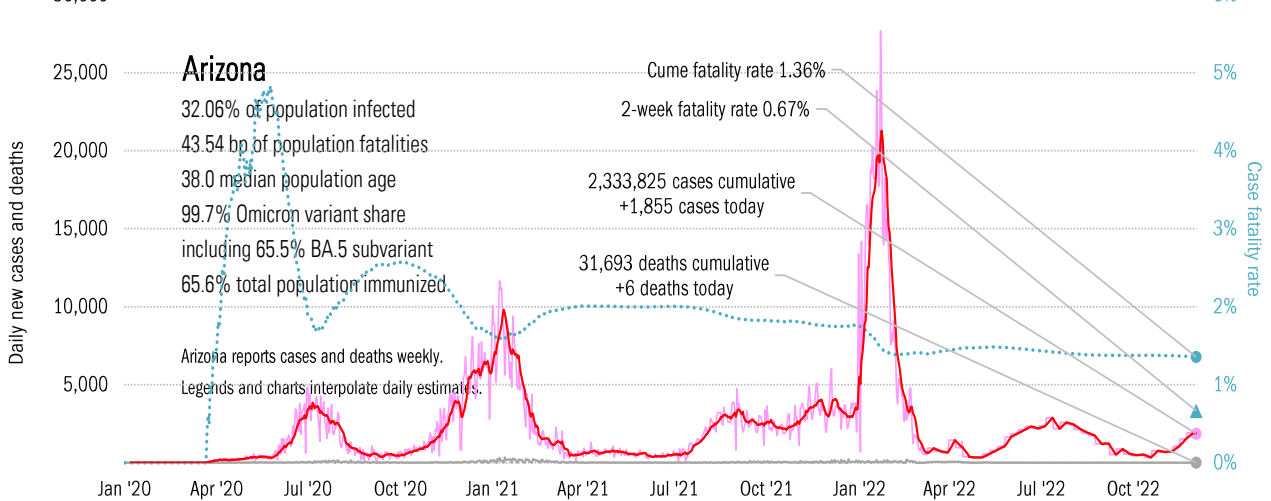
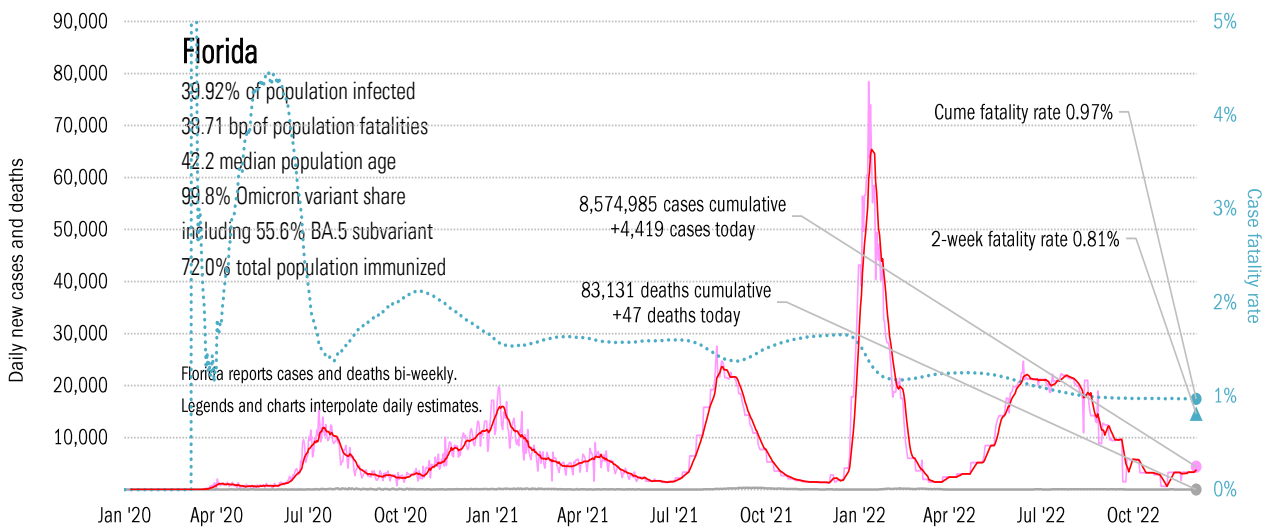
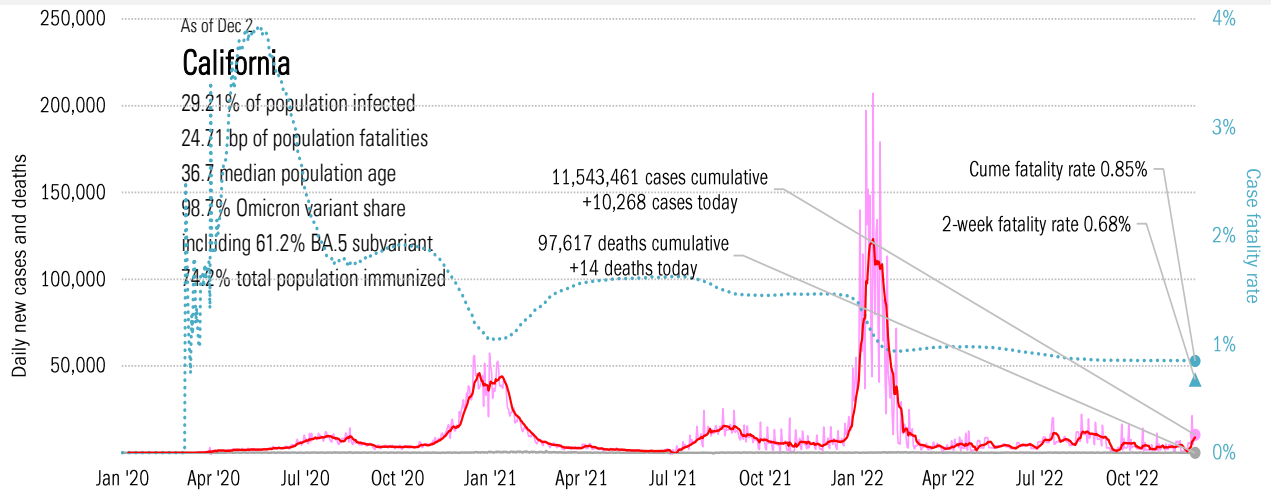
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

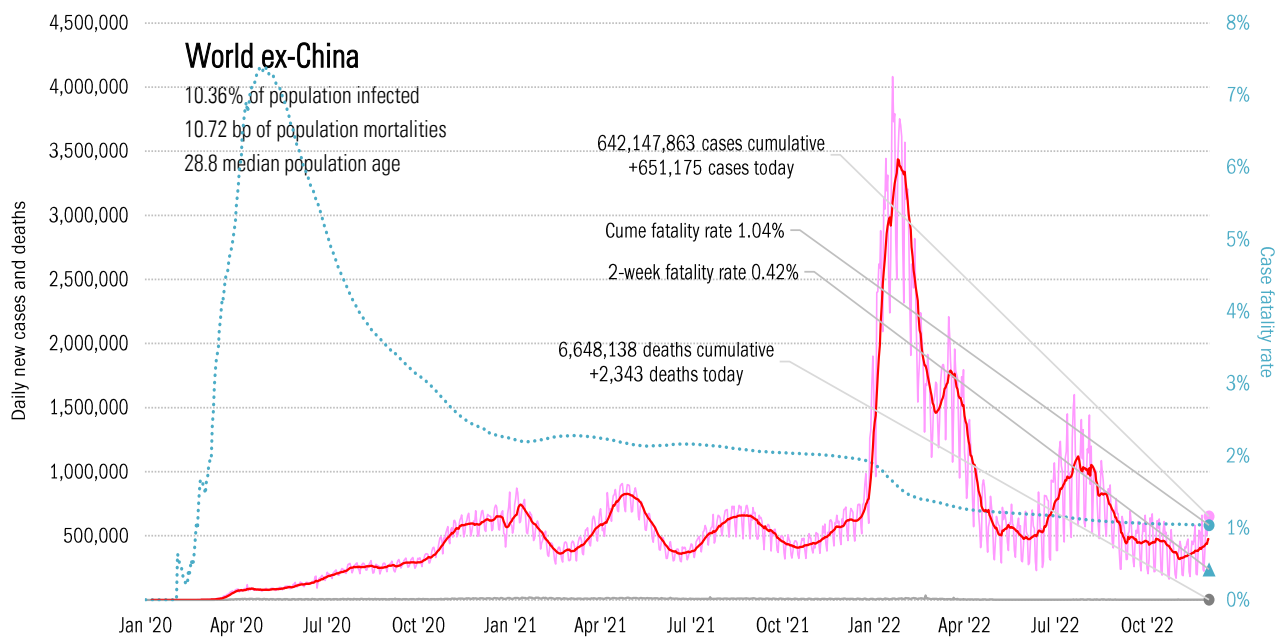
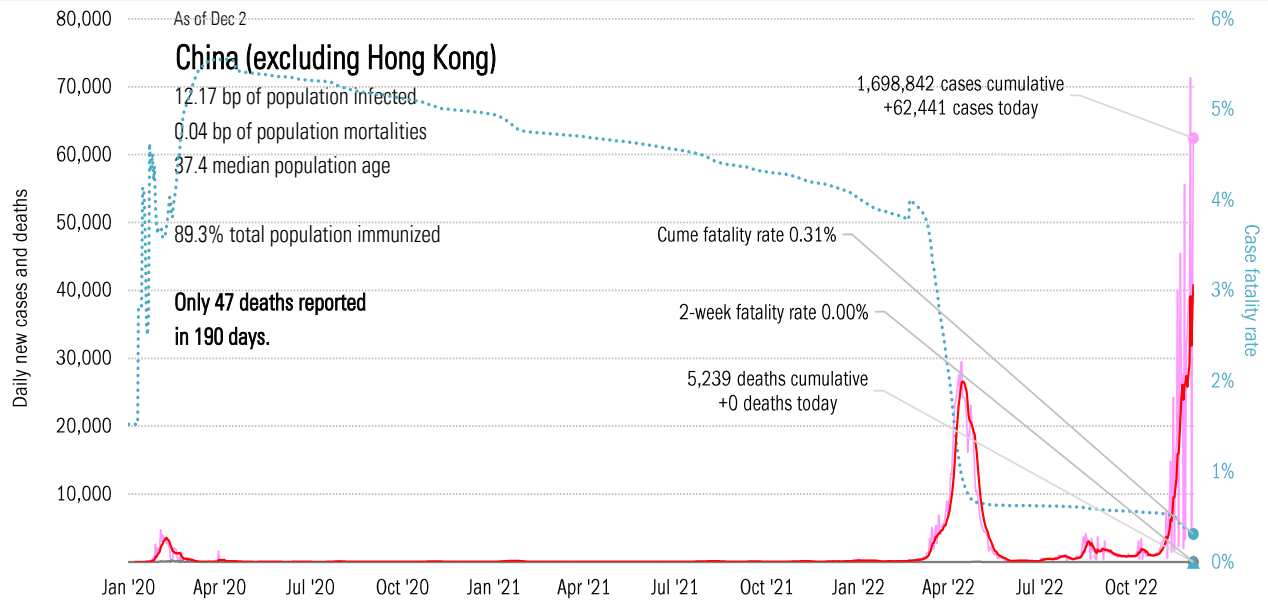
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

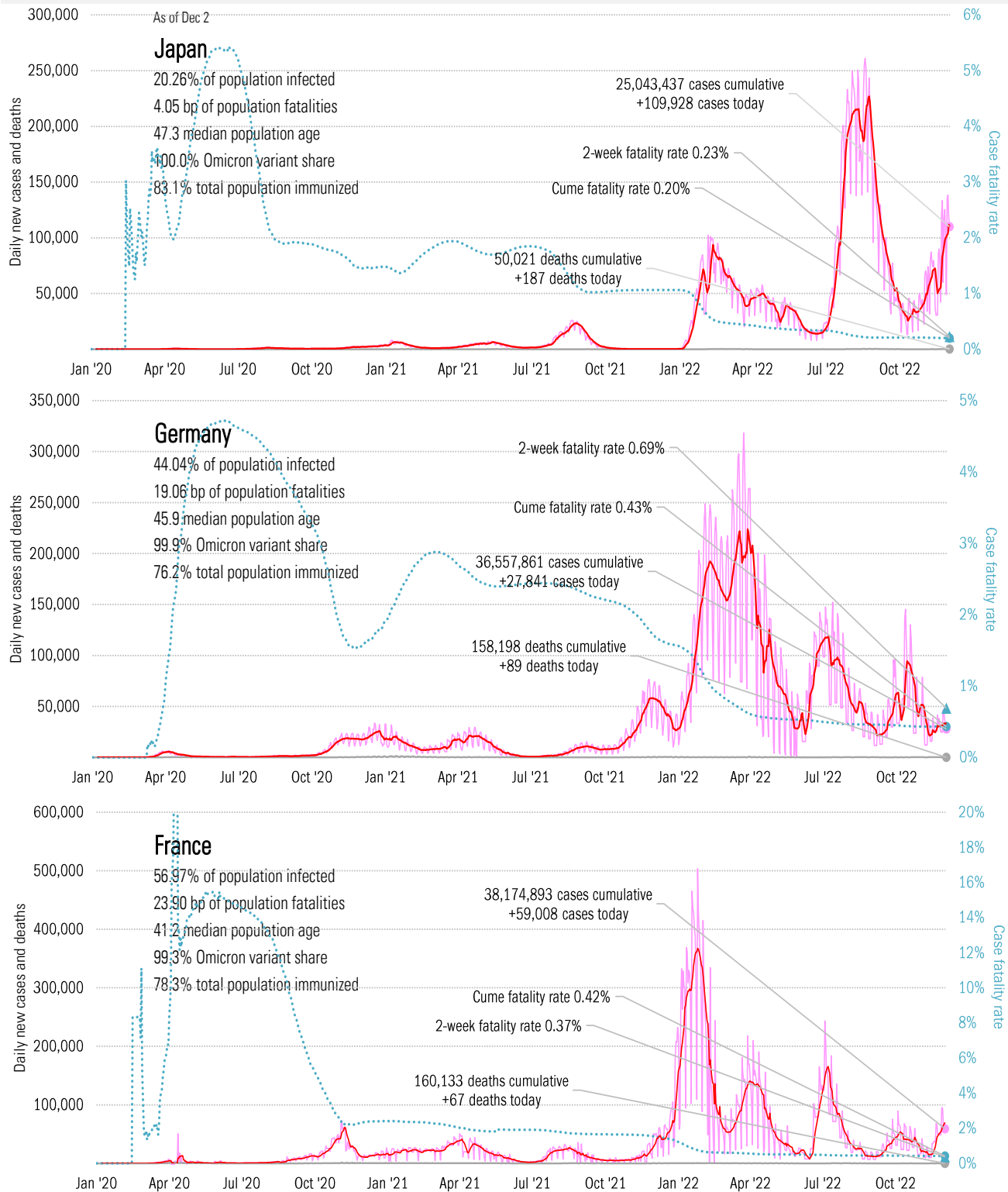
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

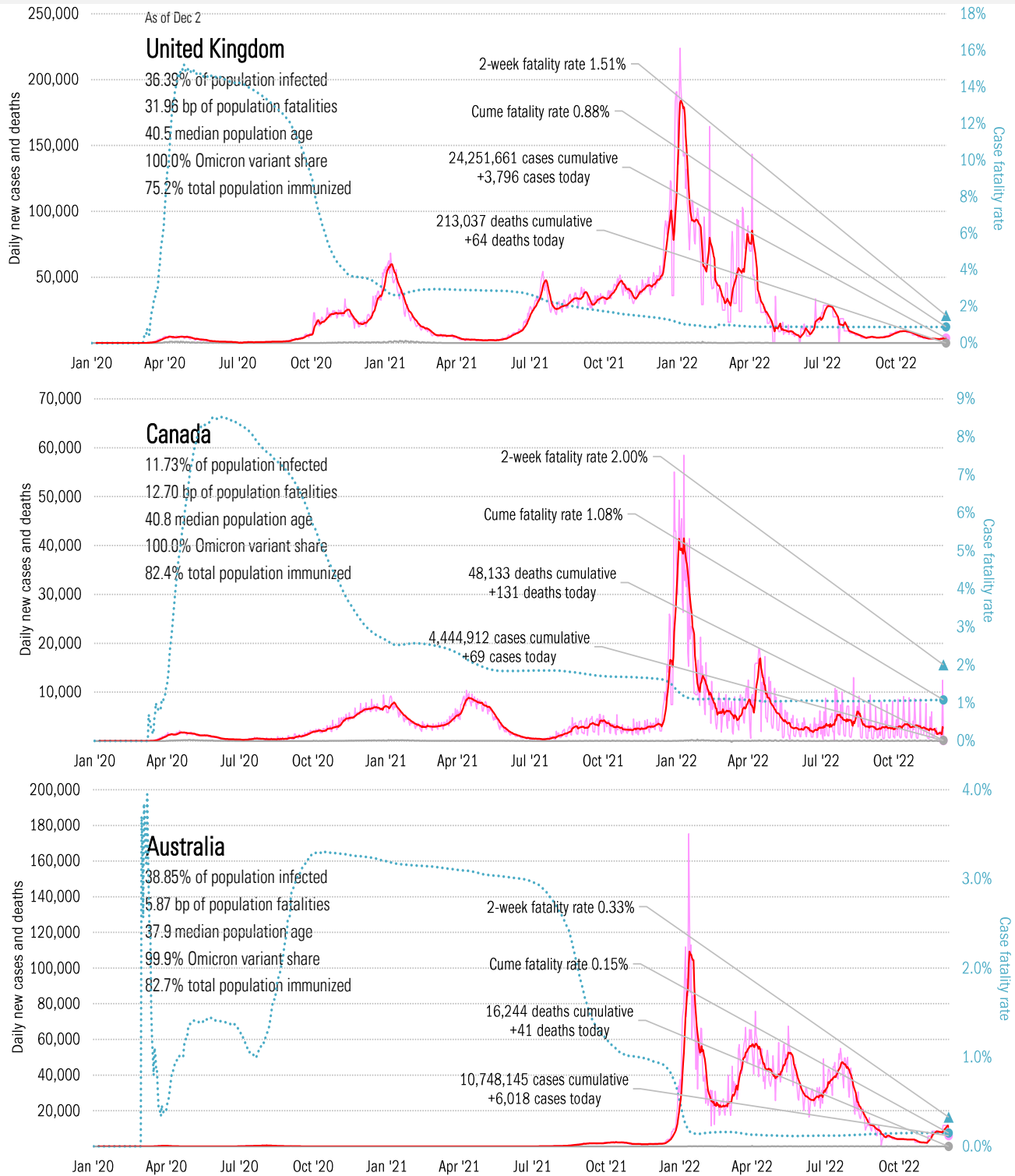
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

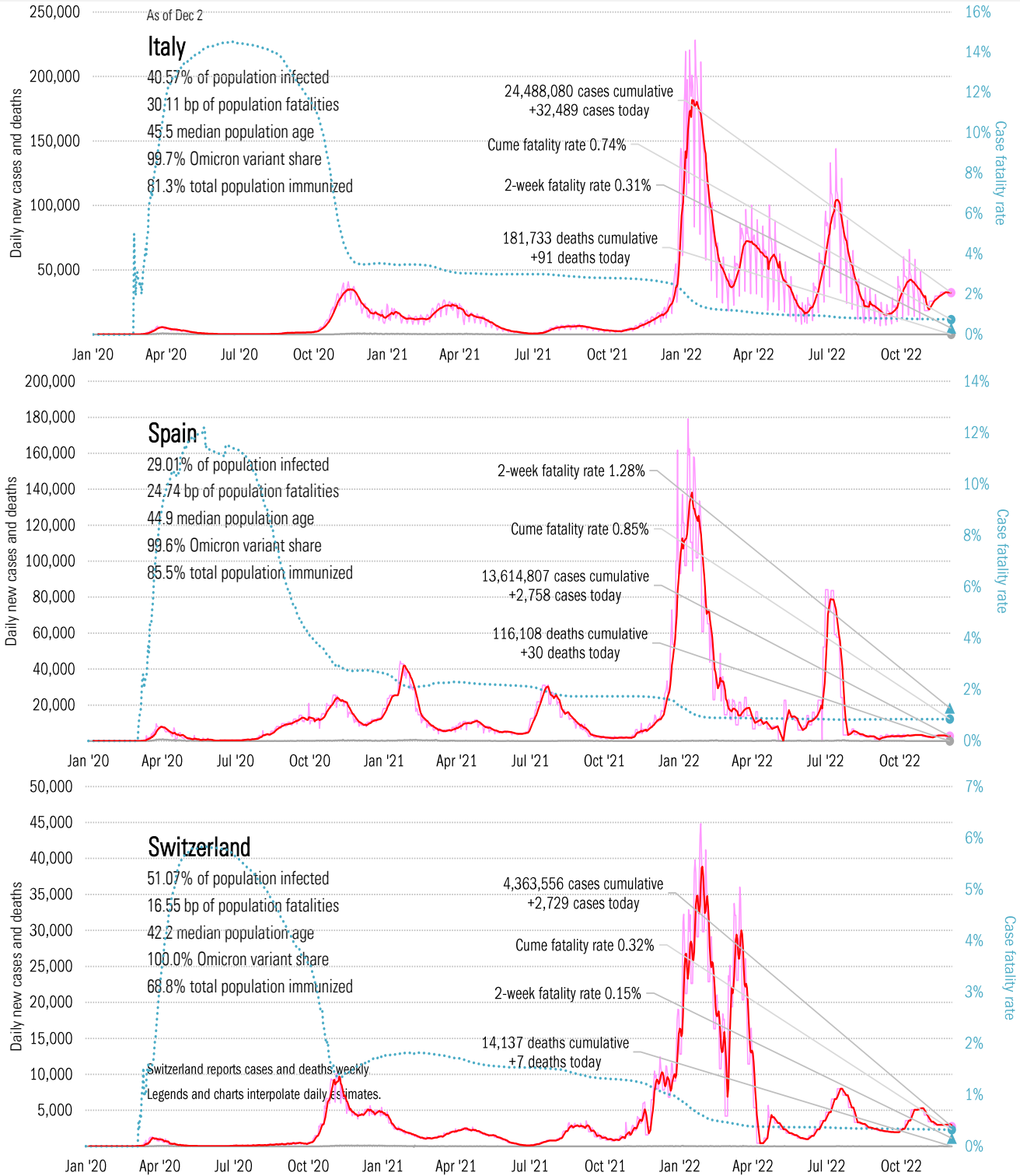
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

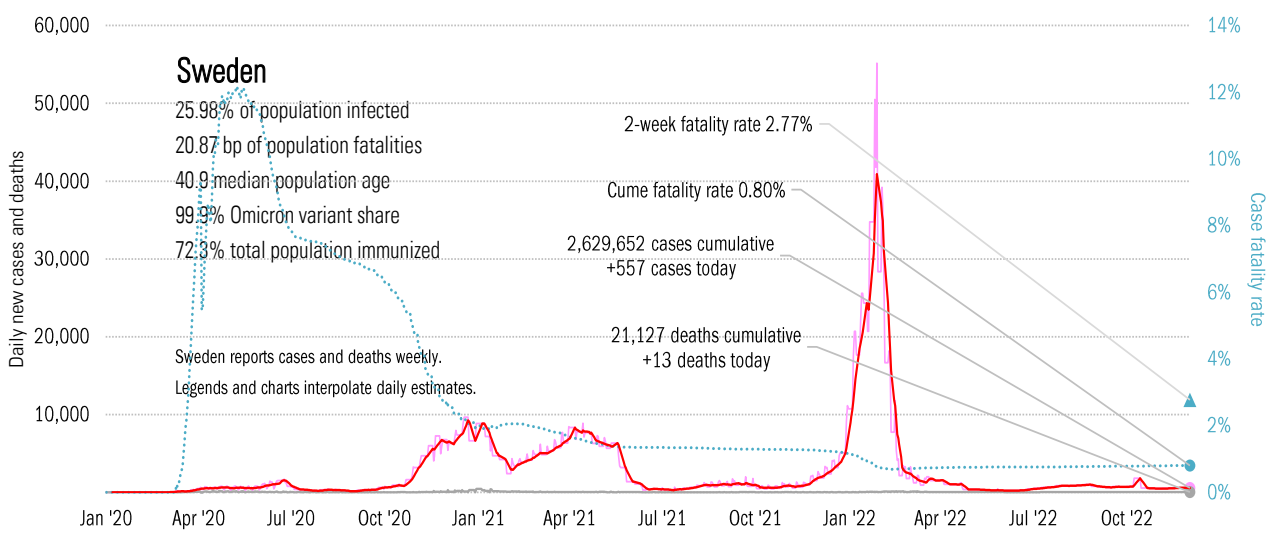
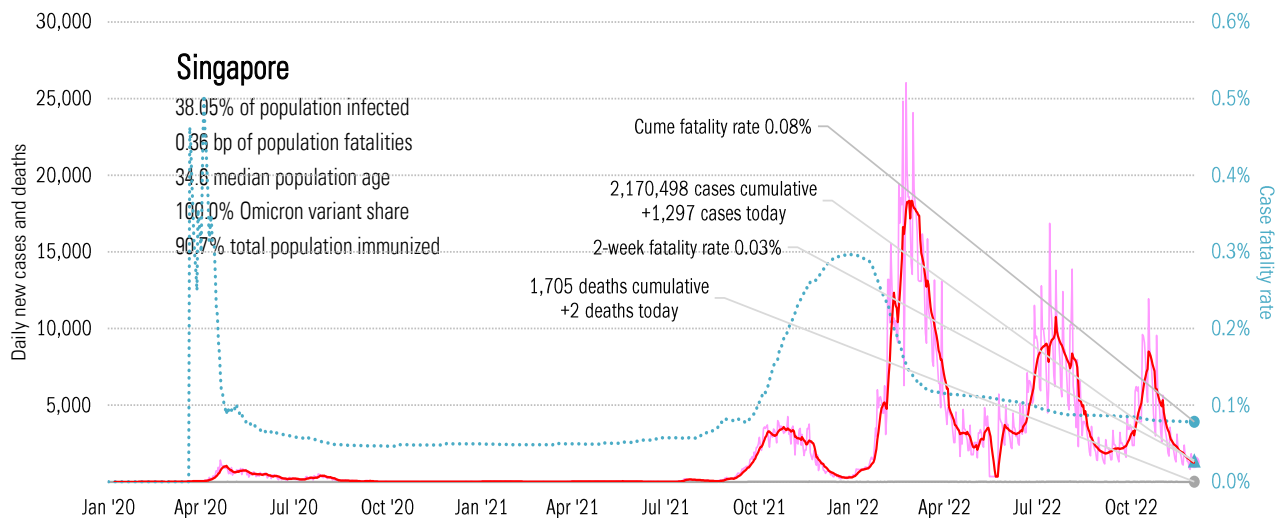
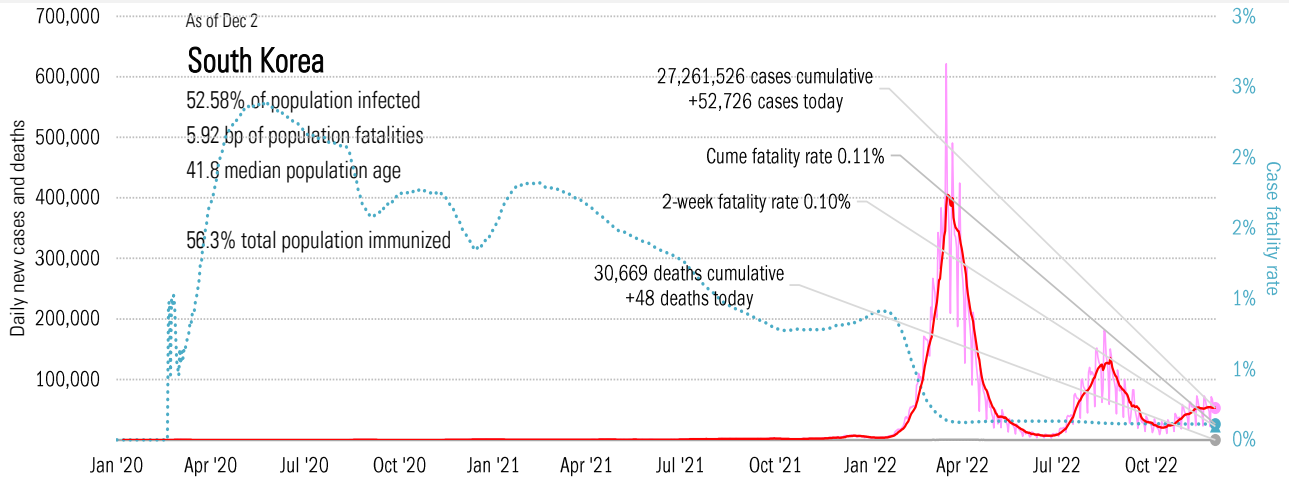
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

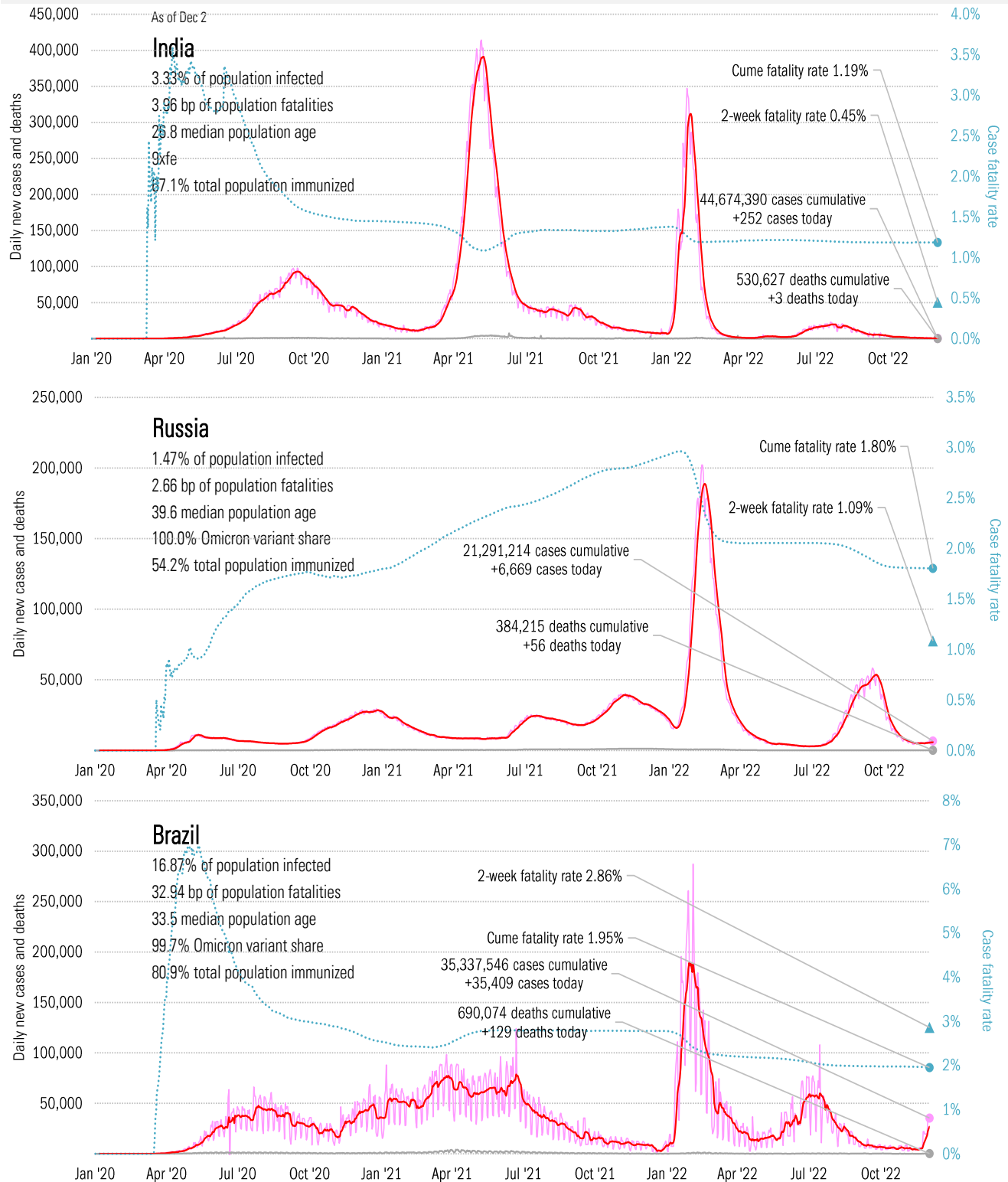
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

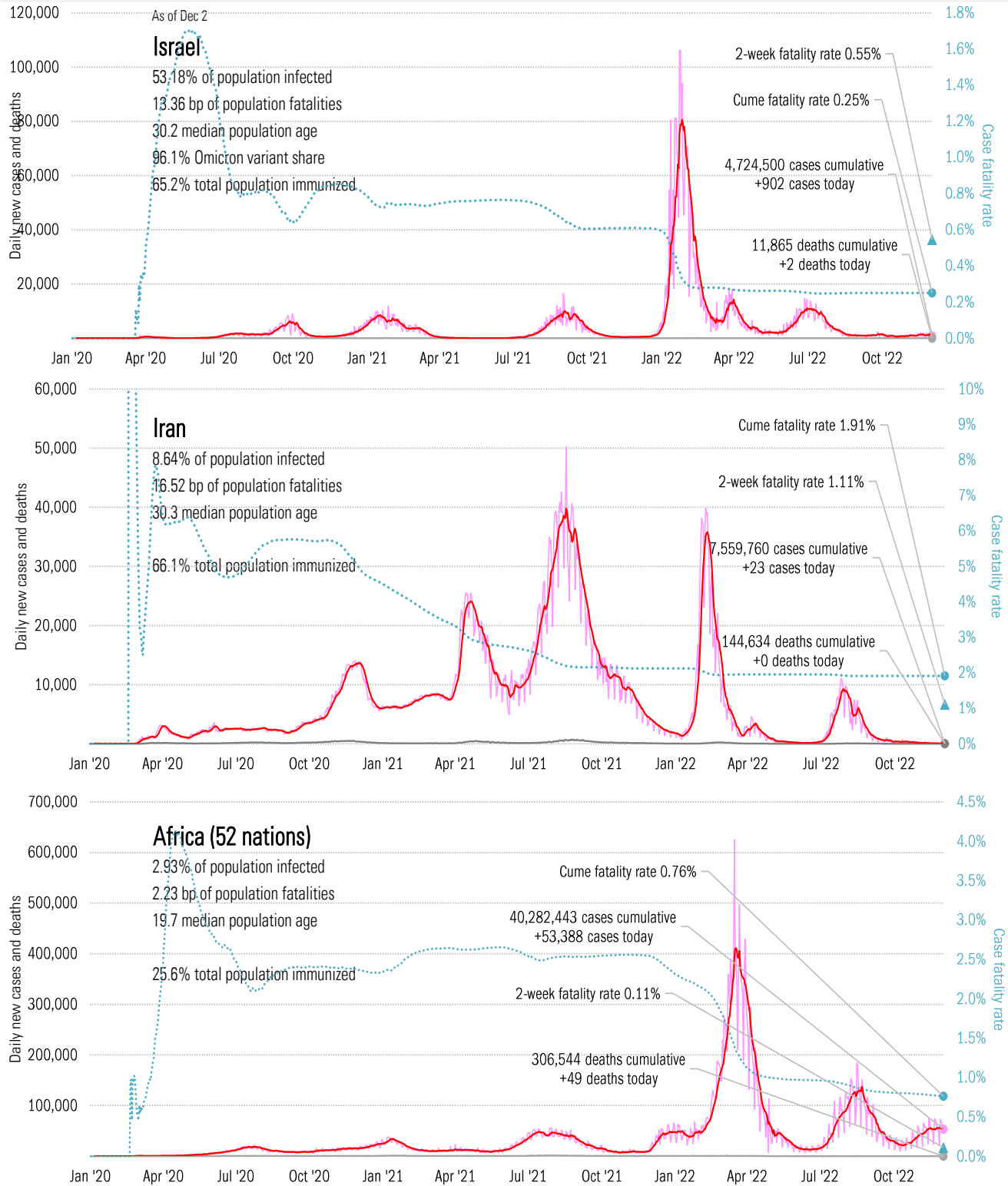
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

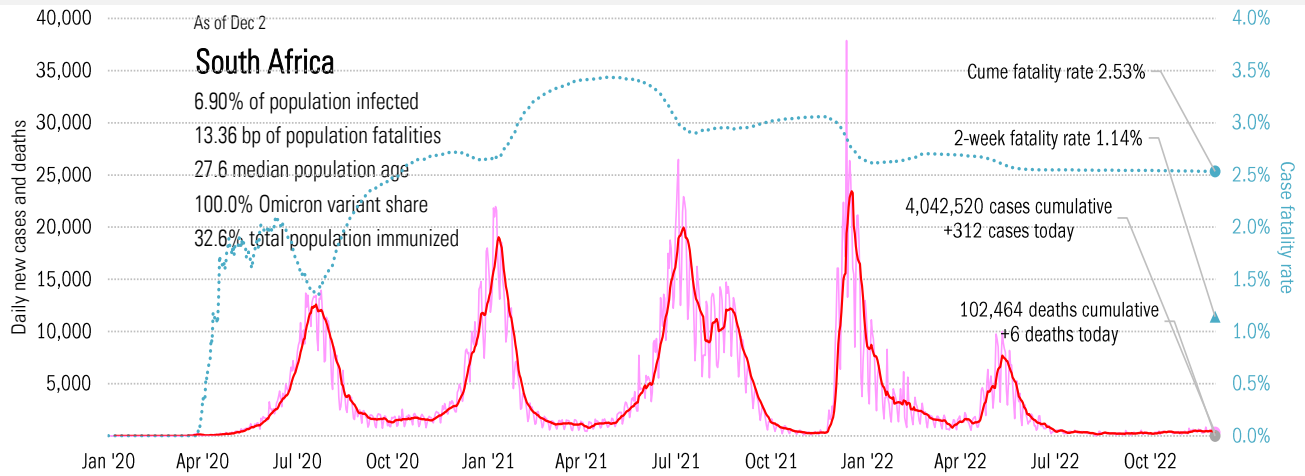
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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