

Data Insights: Covid-2019 Monitor

Monday, December 12, 2022

The global scorecard

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

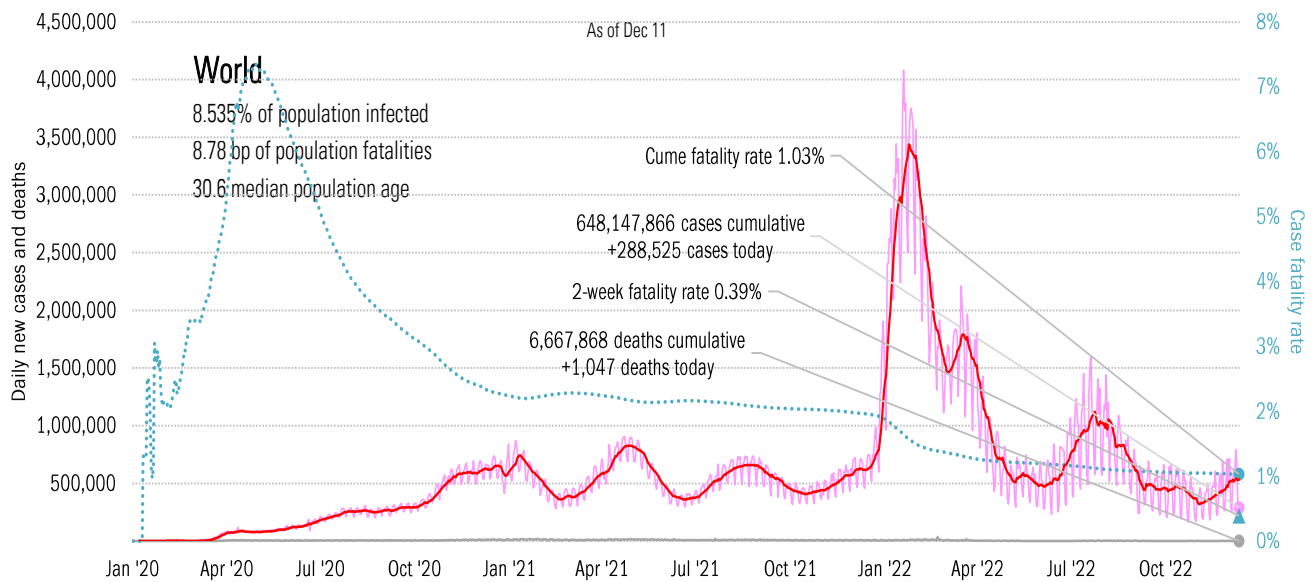
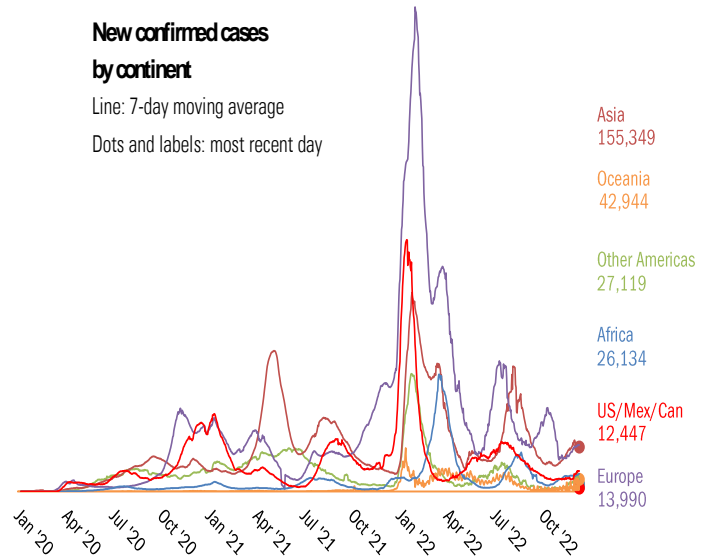
The worst ten countries

New cases		New Deaths	
Japan	119,174	United States	292
France	71,621	Japan	190
United States	56,894	Brazil	149
New Zealand	40,071	Germany	120
Germany	35,826	Thailand	107
Italy	31,618	Italy	98
Argentina	27,119	France	94
Korea, South	25,667	Russia	50
Brazil	22,588	Spain	45
Taiwan*	14,083	Taiwan*	38
444,660		1,183	

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

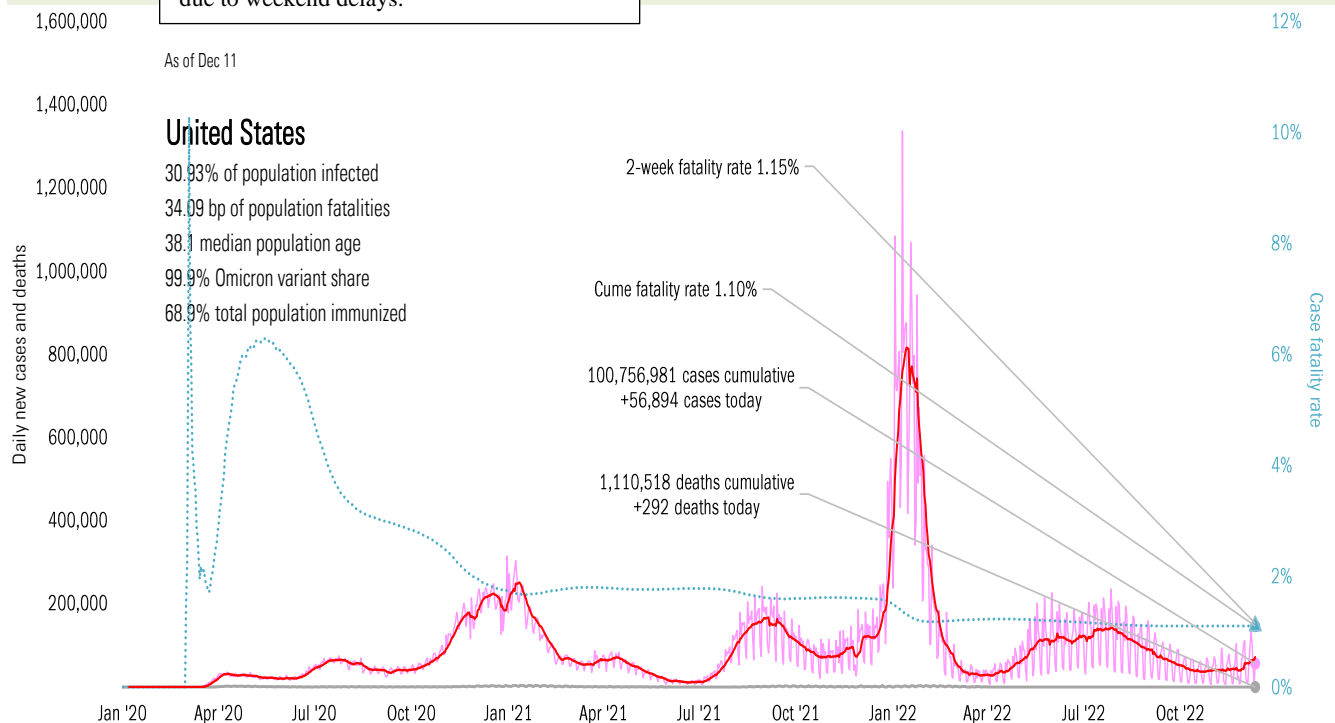
New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	6,472		MI	35		TX	389		CA	11,623,042		CA	97,834		TX	560,145		RI	92%	TX	88%
FL	4,419		NY	31		CH	241		TX	8,135,739		TX	91,514		CA	527,889		WA	89%	NH	88%
IL	3,467		ND	25		GA	140		FL	7,270,410		FL	83,201		FL	507,054		MA	88%	MA	88%
NY	3,211		NJ	22		PA	219		NY	6,446,939		NY	74,283		NY	325,746		MO	86%	NC	87%
NJ	2,941		PA	20		NY	394		IL	3,906,801		PA	48,527		GA	231,413		MN	86%	AK	87%
TX	2,309		WA	18		TN	94		PA	3,374,733		GA	41,172		CH	230,697		WV	86%	NM	86%
CH	2,294		CA	17		AL	71		NC	3,286,948		CH	40,644		PA	216,340		MD	86%	RI	85%
AZ	2,283		FL	15		MO	105		CH	3,259,911		IL	40,406		IL	199,002		GA	86%	AL	85%
VA	1,877		GA	15		CT	74		GA	2,953,341		MI	40,327		MI	171,928		CR	85%	WV	85%
PA	1,870		MA	12		VA	100		MI	2,950,361		NJ	35,235		NJ	149,001		NV	84%	CK	83%
31,144			210			1,827			53,208,225			593,143			3,119,215						
All states	56,894			292			4,892		All states	100,756,981			1,110,518			5,666,797		All states	70%		67%
Top ten	55%			72%			37%		Top ten	53%			55%			55%		Median	78%		78%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
AR	-275	VA	-17	CA	-142
AK	0	AR	-8	IN	-33
AL	0	DE	-2	SC	-24
AZ				IL	-22
CA				MI	-16

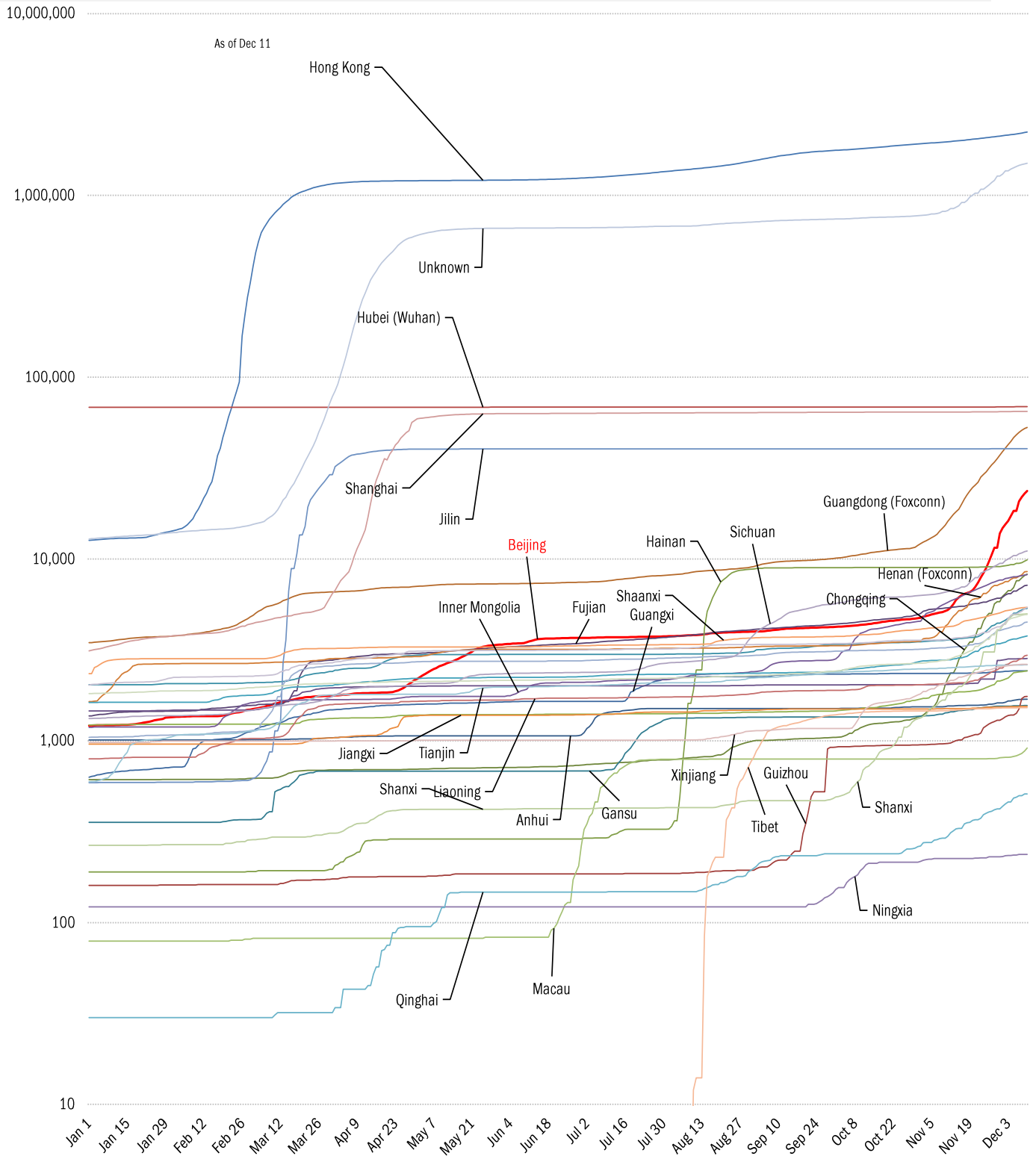
US state improvement data distorted today due to weekend delays.



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"

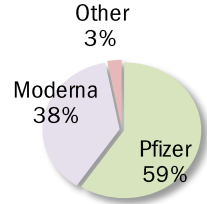


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial		
Doses	674,343,860		+0.193 million	US	68.9%	80.6%		
			Of which boosters: +0.168 million	UK	75.2%	79.7%		
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.5%
Total population	276,021,875	83%	235,392,888	70%	+0.017 million	Spain	85.5%	86.9%
Age 12 to 17	18,376,705	73%	15,735,507	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	183,614,597	90%	156,164,584	77%	+0.009 million	Italy	81.3%	86.2%
Age 65 and over	60,829,321	100%	53,278,288	97%	+0.004 million	Australia	82.7%	84.9%
						Israel	65.2%	71.1%
						Canada	82.5%	89.6%
						Japan	83.1%	84.3%
						Africa	26.0%	32.0%
						India	67.1%	72.5%
						Brazil	80.9%	87.4%
						China	89.3%	91.5%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

AK
72.6%
64.8%

Immunity = two doses

WI
74.7%
67.8%

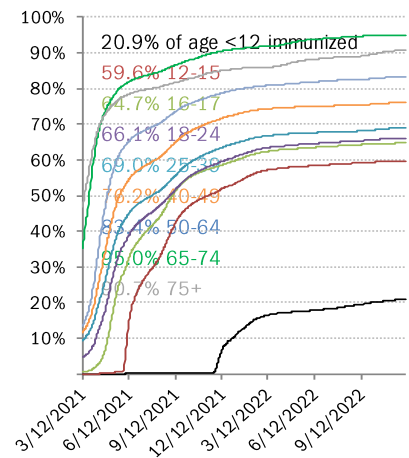
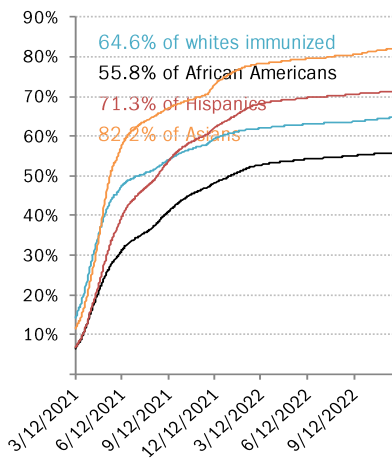
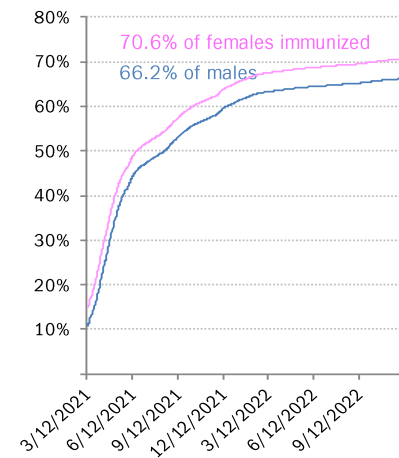
As of Dec 9

ME
95.0%
82.8%

WA 84.6% 75.6%	ID 63.6% 56.2%	MT 67.9% 58.9%	ND 68.9% 58.3%	MN 78.3% 71.7%	IL 78.8% 70.9%	MI 69.1% 62.1%	NY 93.8% 80.2%	VT 95.0% 85.0%	NH 87.2% 71.3%	
OR 81.0% 71.9%	NV 78.3% 63.1%	WY 60.5% 52.8%	SD 83.1% 65.8%	IA 70.3% 64.0%	IN 64.0% 57.5%	OH 65.4% 60.2%	PA 89.8% 72.7%	NJ 94.0% 78.6%	MA 95.0% 83.6%	
CA 84.1% 74.2%	UT 74.8% 66.3%	CO 83.2% 73.1%	NE 73.0% 65.9%	MO 68.9% 58.7%	KY 68.5% 59.3%	WV 67.2% 59.5%	VA 90.3% 76.1%	MD 91.0% 79.2%	CT 95.0% 82.6%	RI 95.0% 87.1%
	AZ 76.8% 65.6%	NM 93.4% 74.7%	KS 75.7% 64.8%	AR 69.5% 56.6%	TN 64.2% 56.1%	NC 91.1% 66.4%	SC 70.6% 59.6%	DC 95.0% 84.8%	DE 86.7% 72.0%	
			OK 74.2% 60.1%	LA 62.6% 54.8%	MS 61.4% 53.5%	AL 64.7% 52.9%	GA 67.9% 56.9%			
				TX 75.8% 62.9%				FL 82.0% 69.1%		PR 95.0% 86.7%

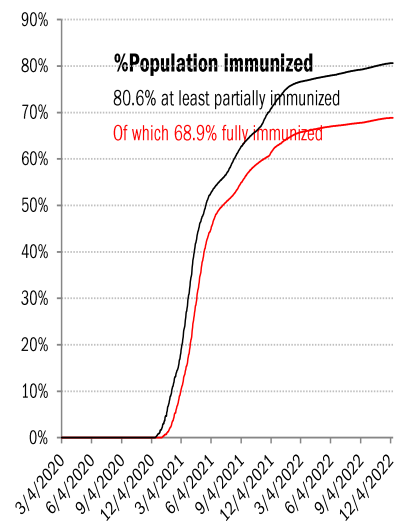
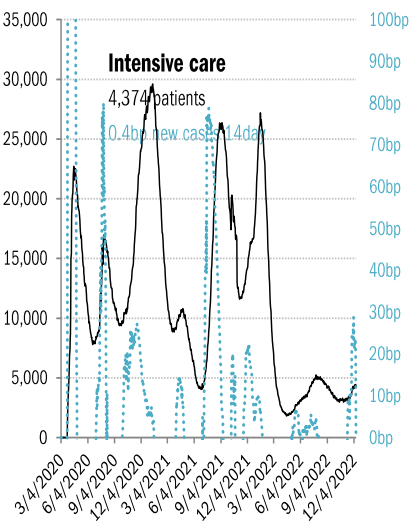
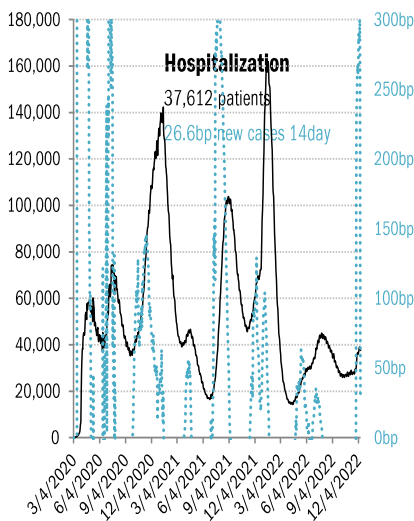
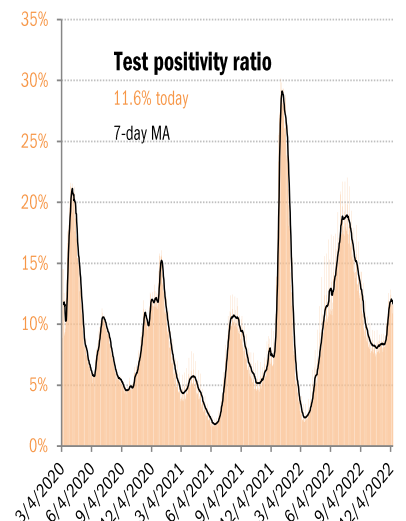
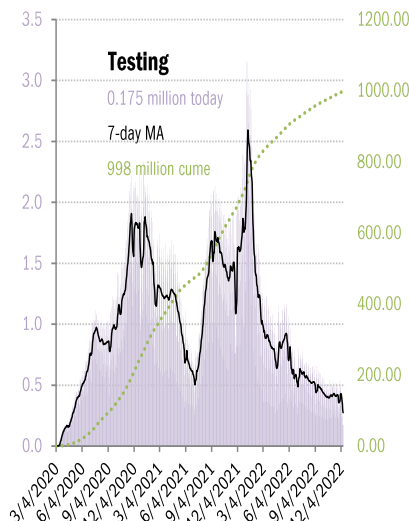
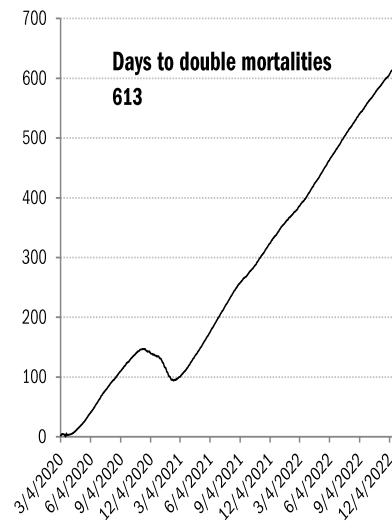
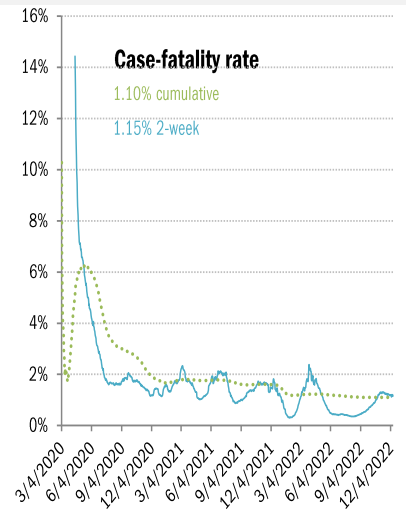
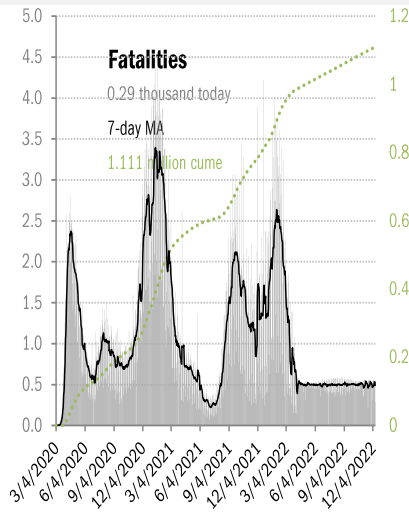
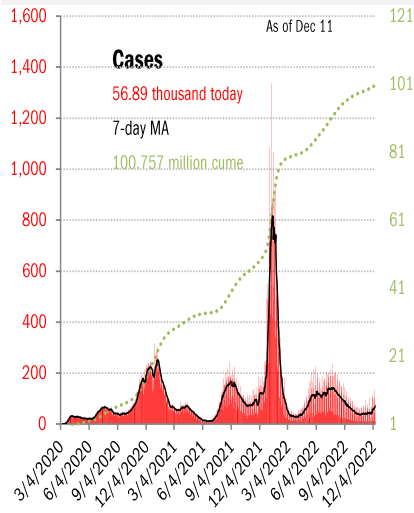
HI
90.9%
81.1%

The demographics of US vaccination

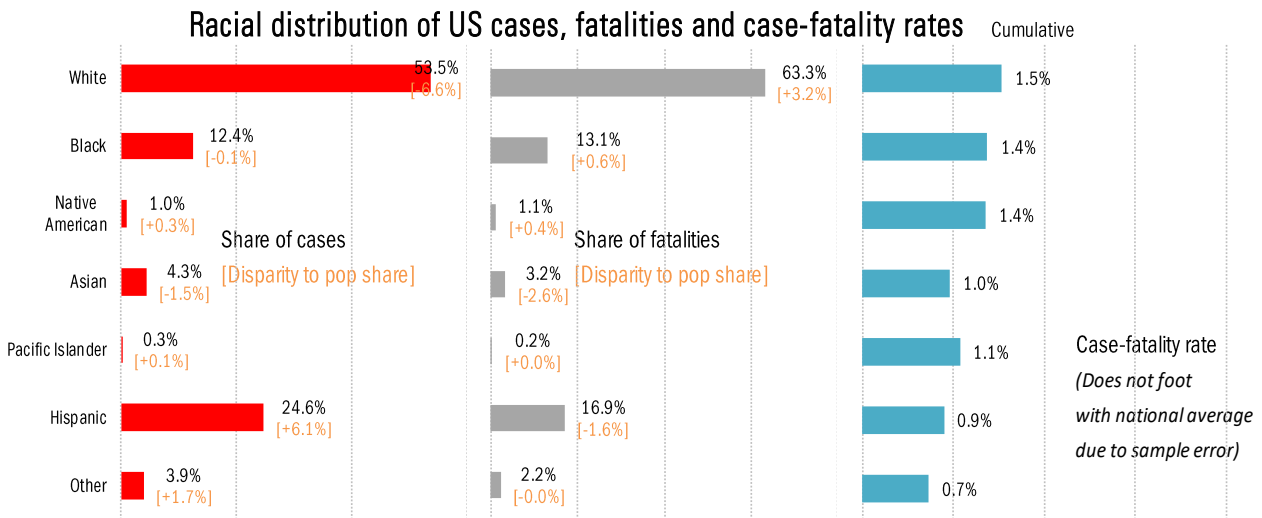
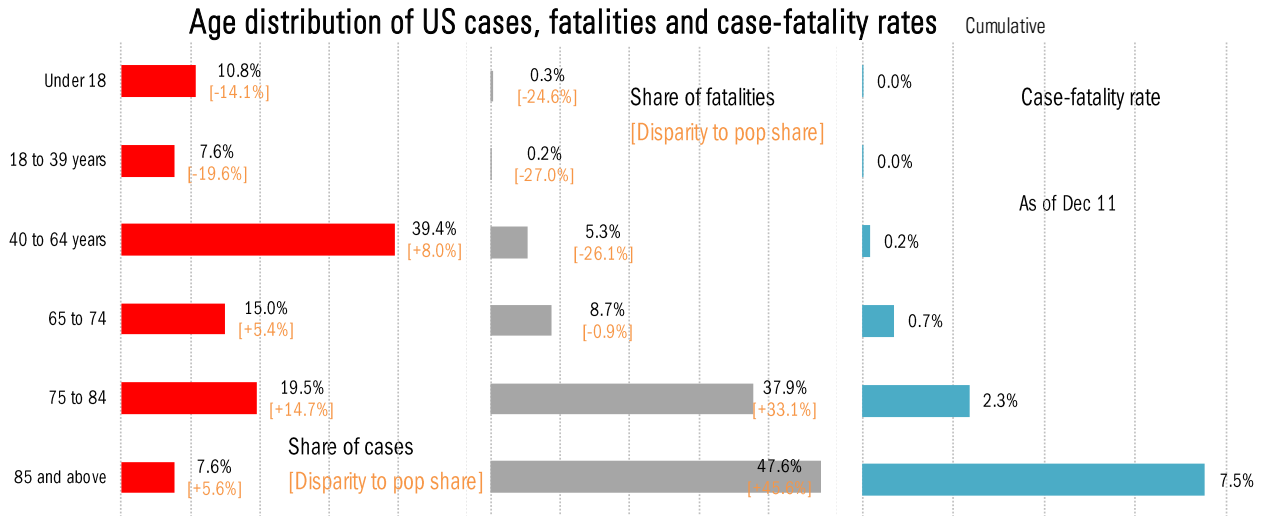


Source: CDC, CDC, Our World in Data, TrendMacro calculations

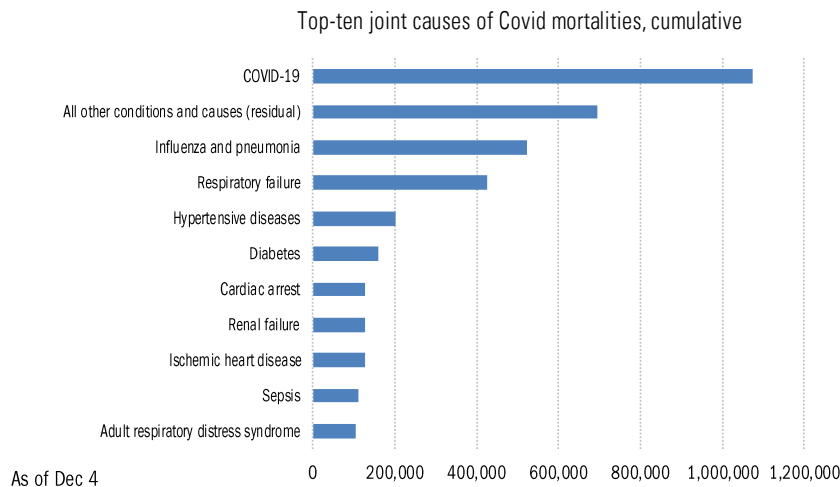
US deep-dive



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

[Anthony Fauci: A Message to the Next Generation of Scientists](#)

Anthony Fauci
New York Times
December 10, 2022

[Western Scientists Cheered On China's Covid Repression](#)

Allysia Finley
Wall Street Journal
December 11, 2022

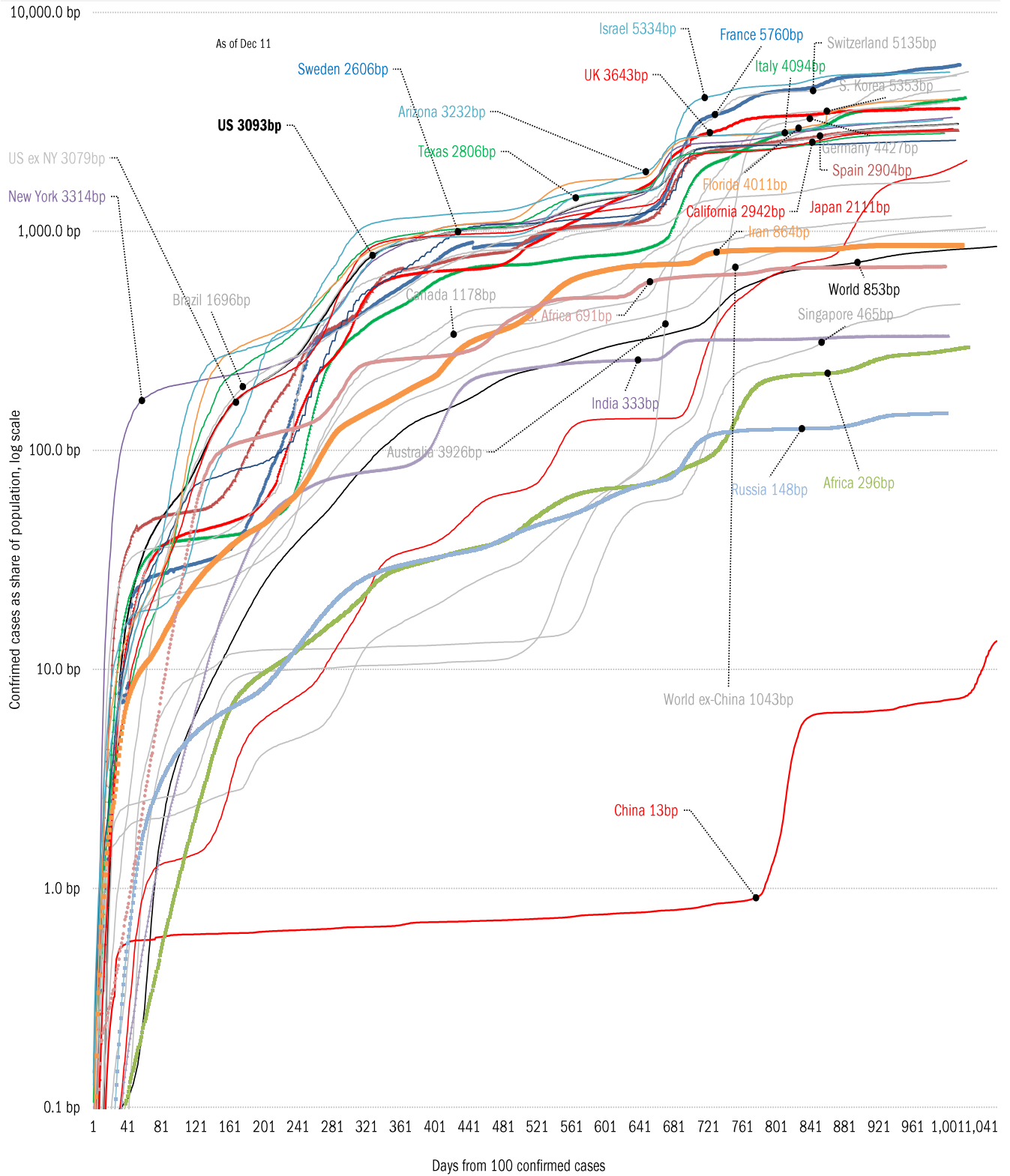
Meme of the Day



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

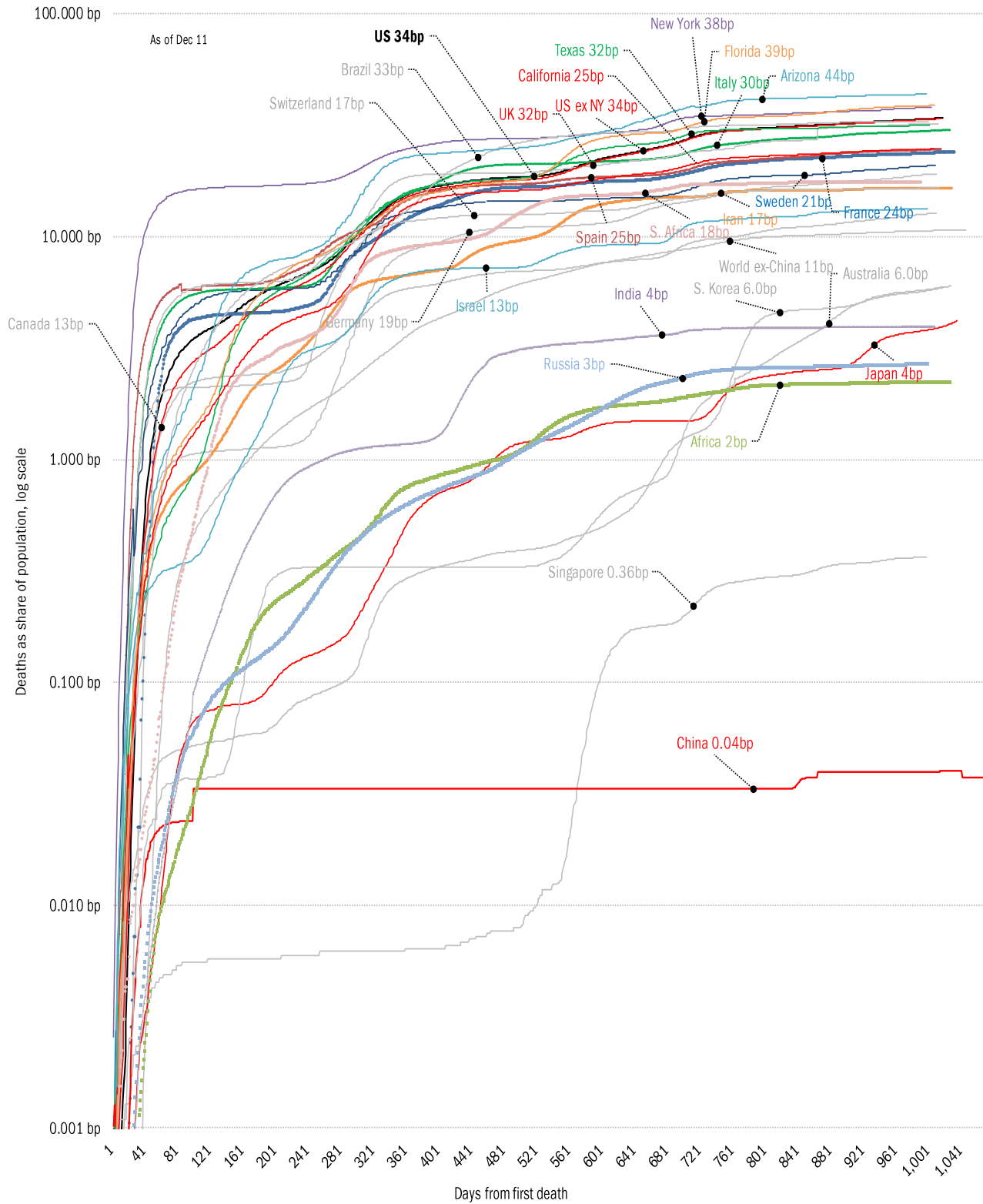
The global coronavirus case accelerometer... tracking the world's infection curves

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

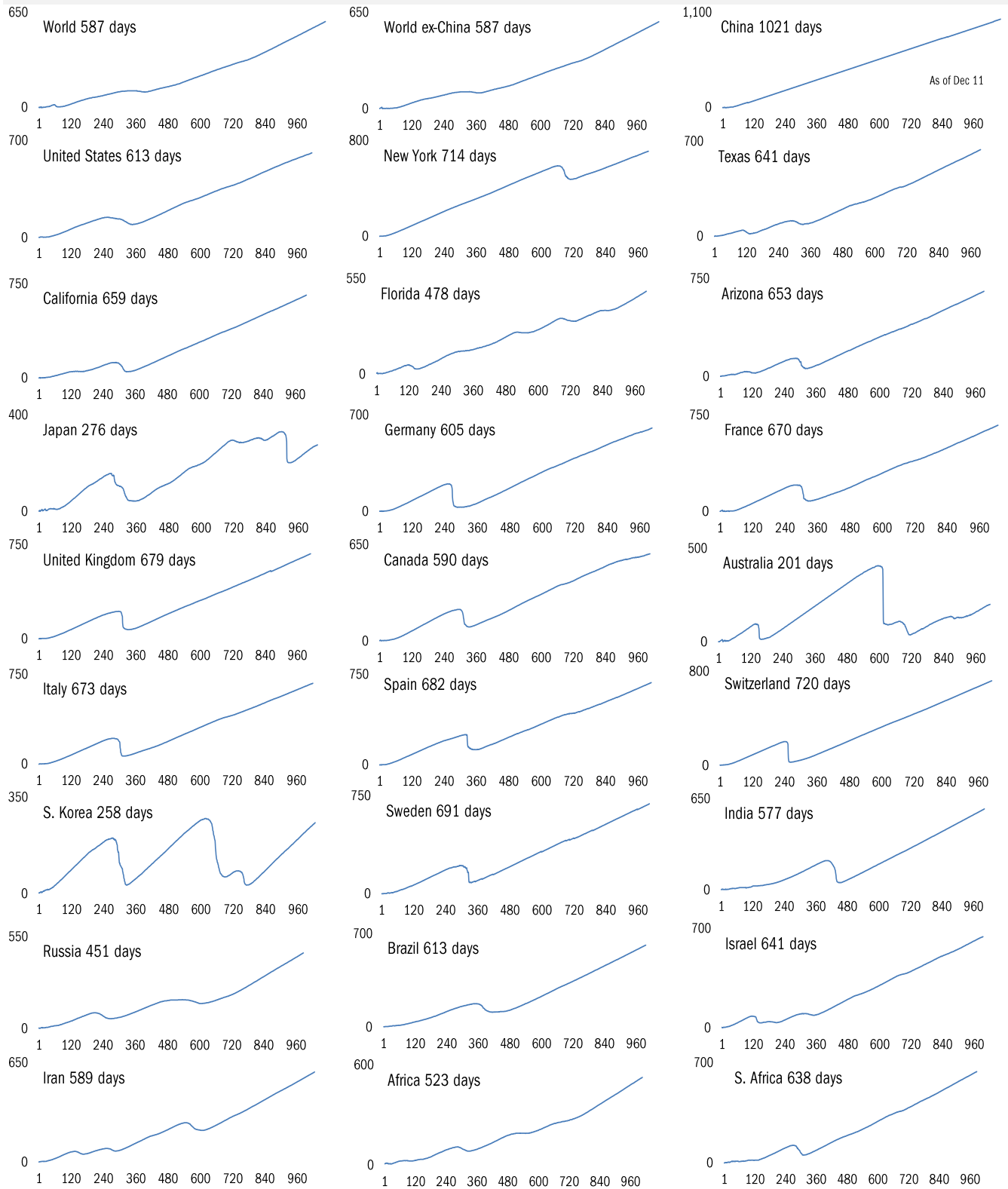


Source: [Johns Hopkins](#), TrendMacro calculations

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

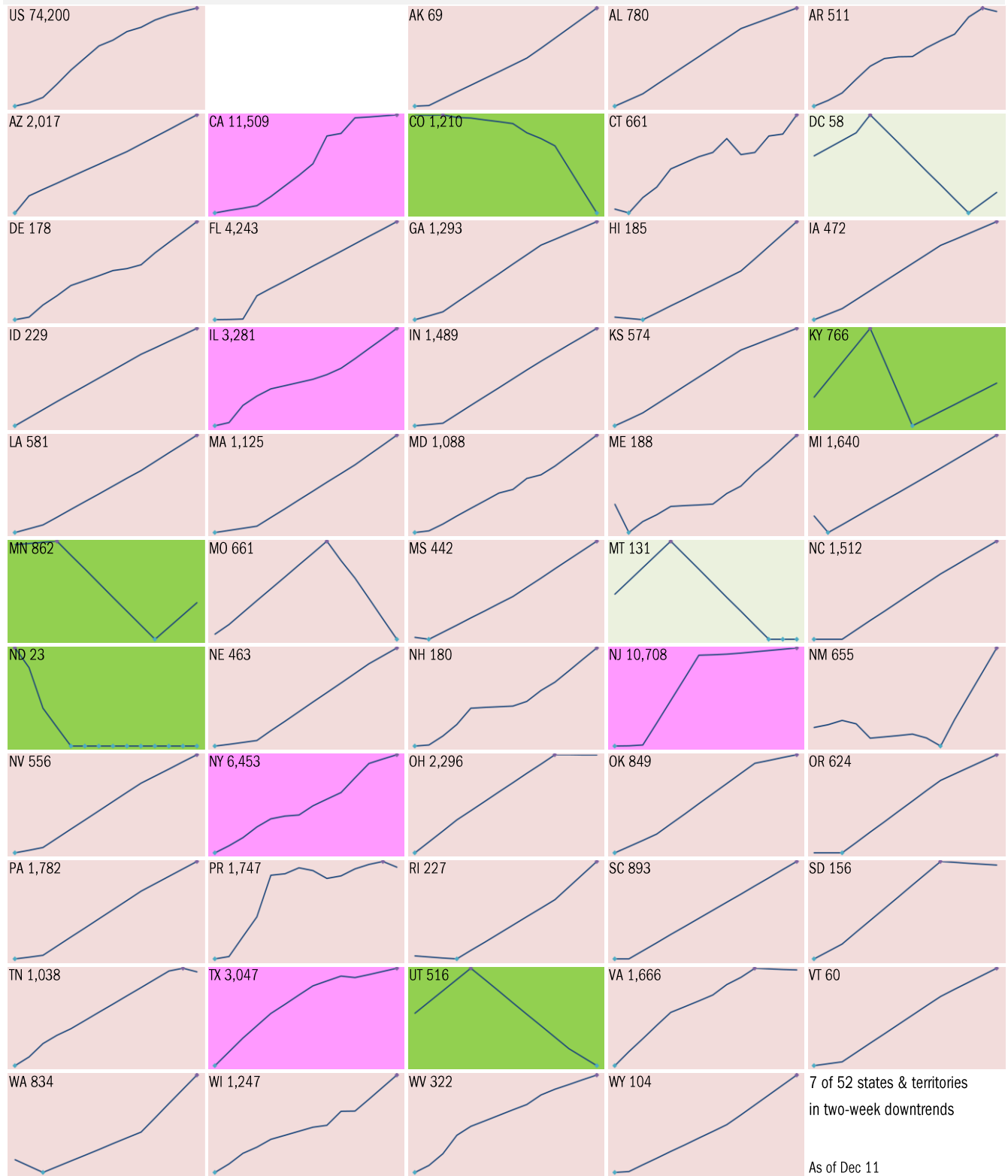


Source: [Johns Hopkins](#), TrendMacro calculations

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

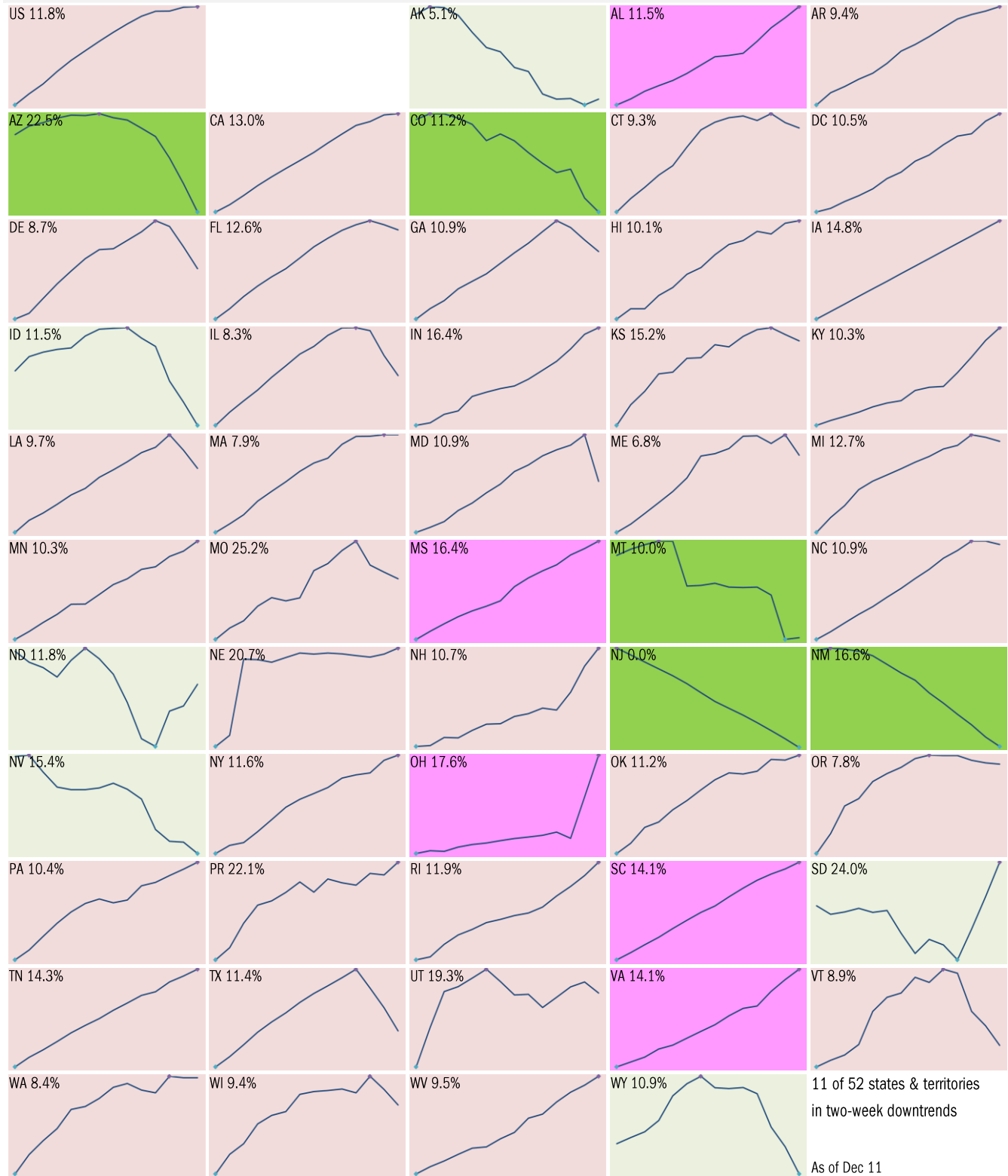


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

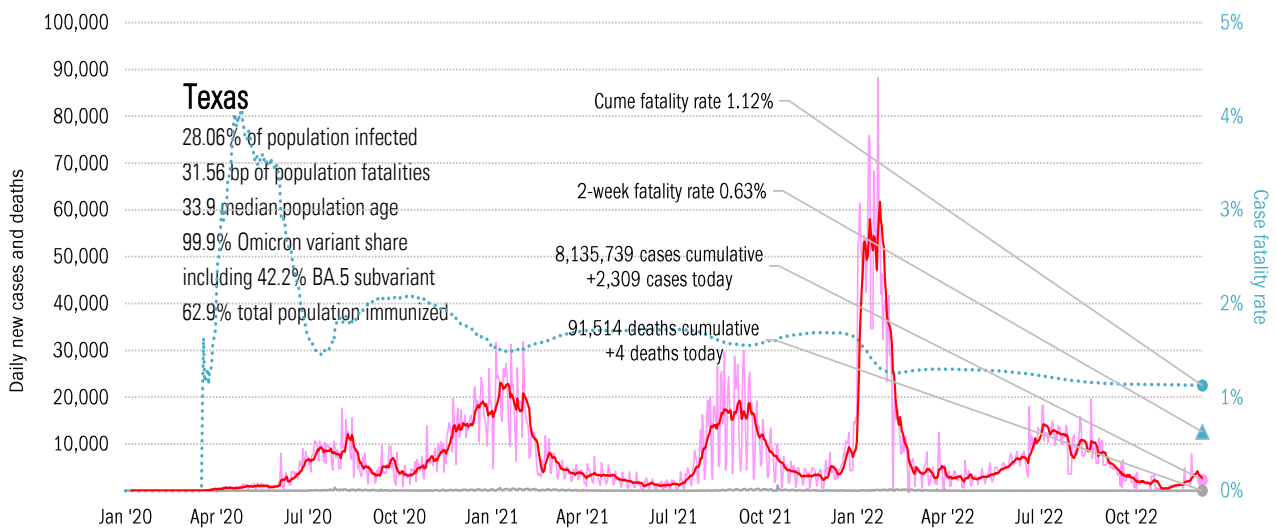
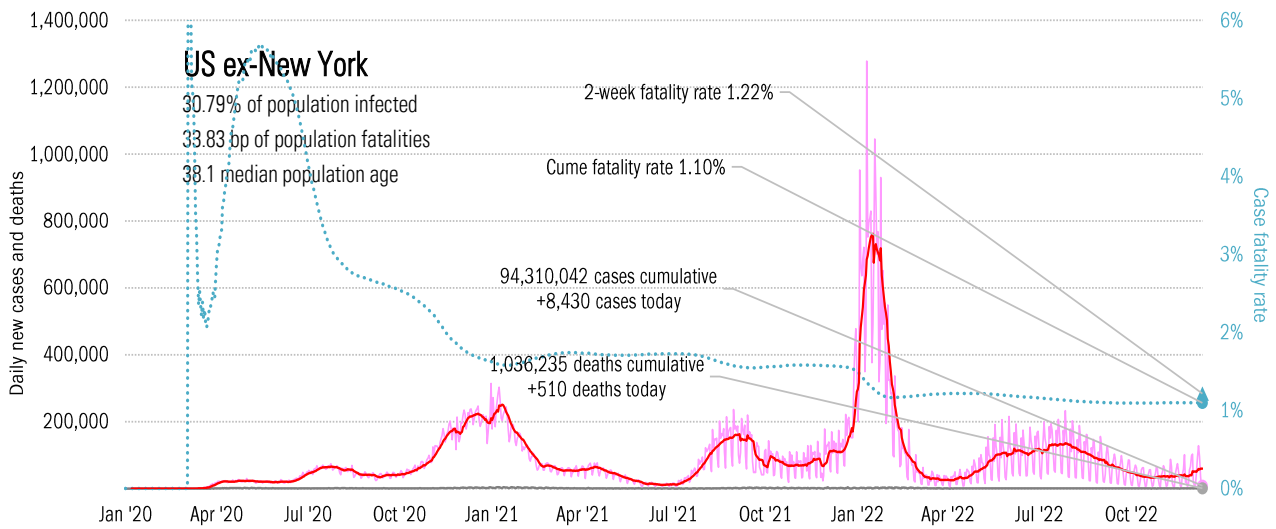
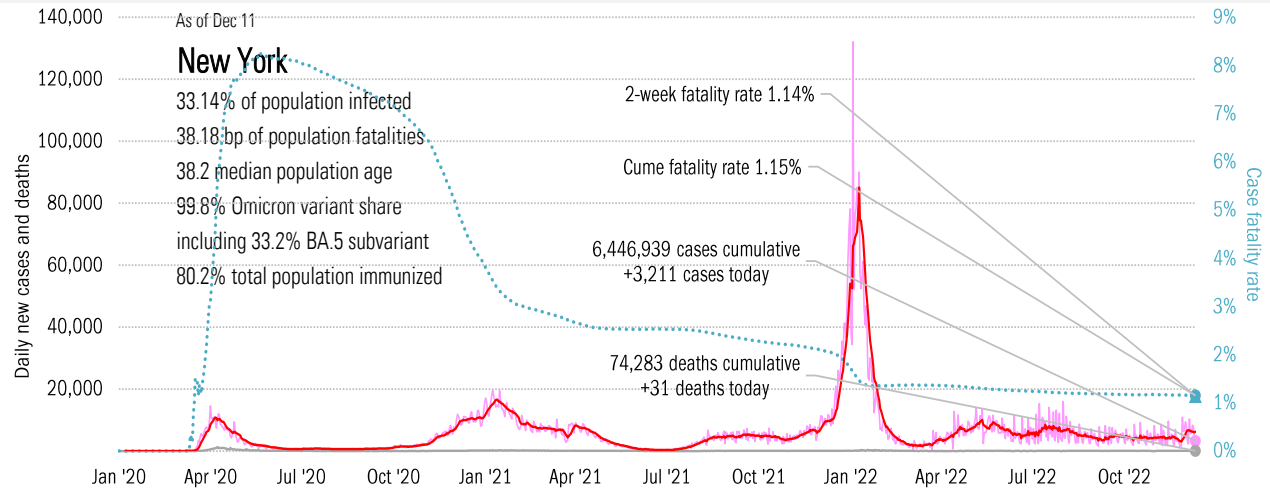
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

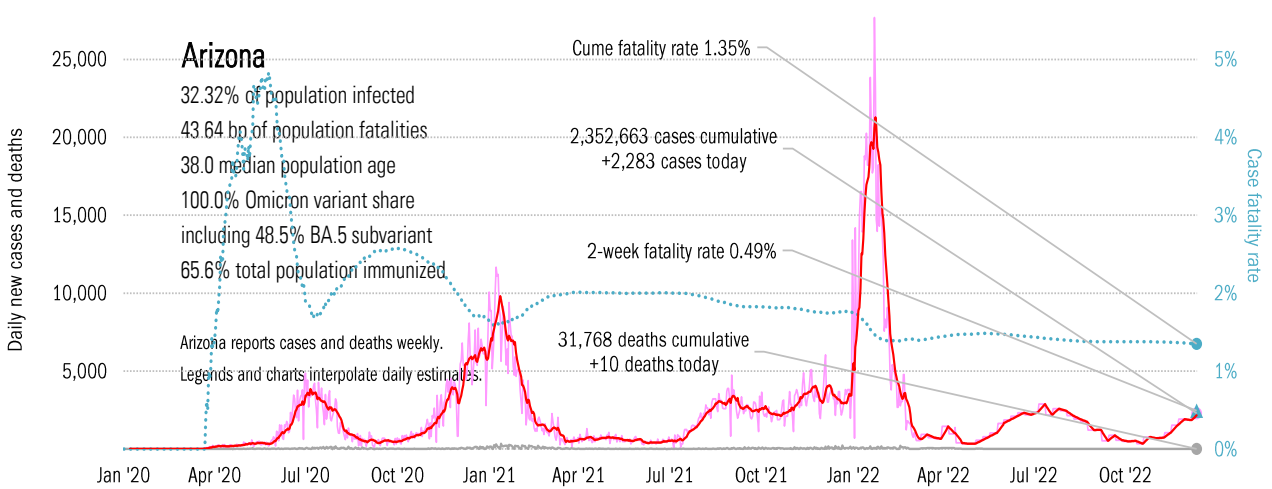
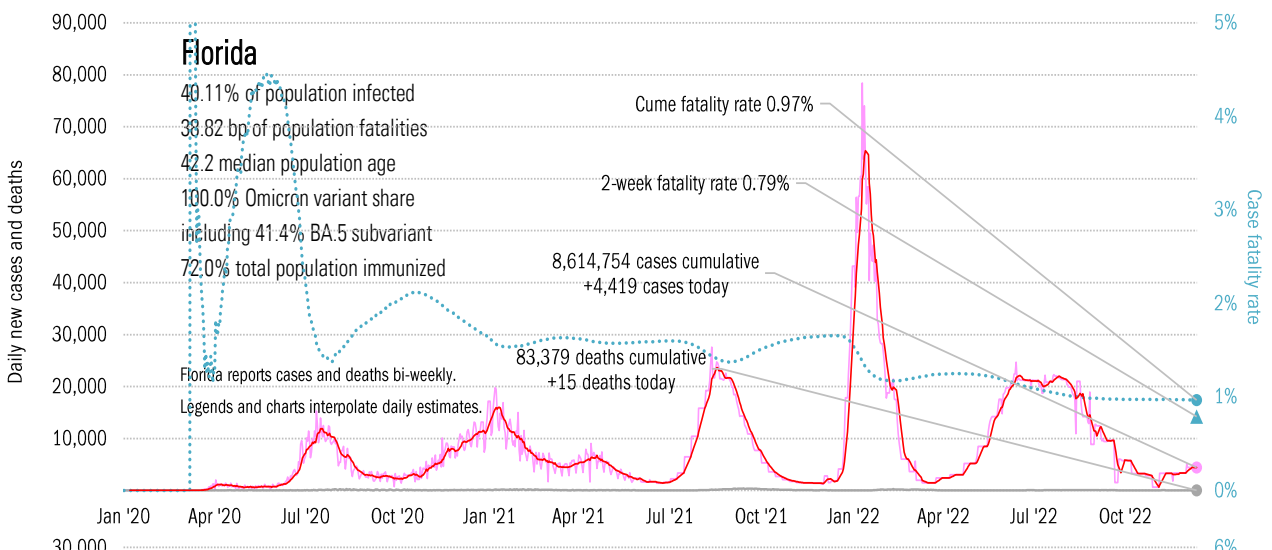
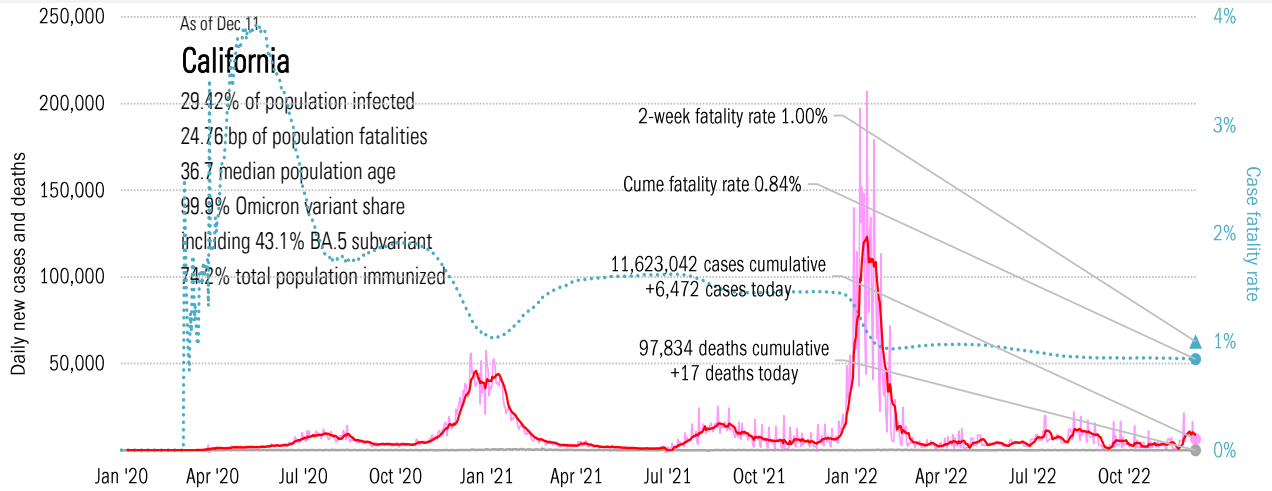
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

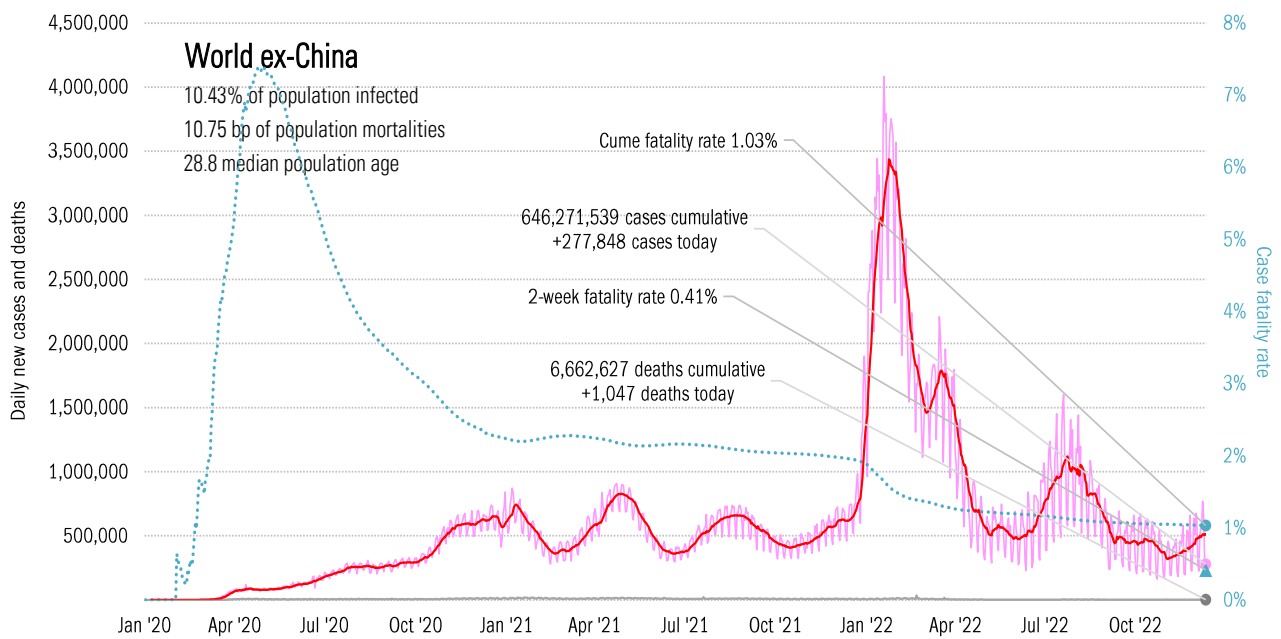
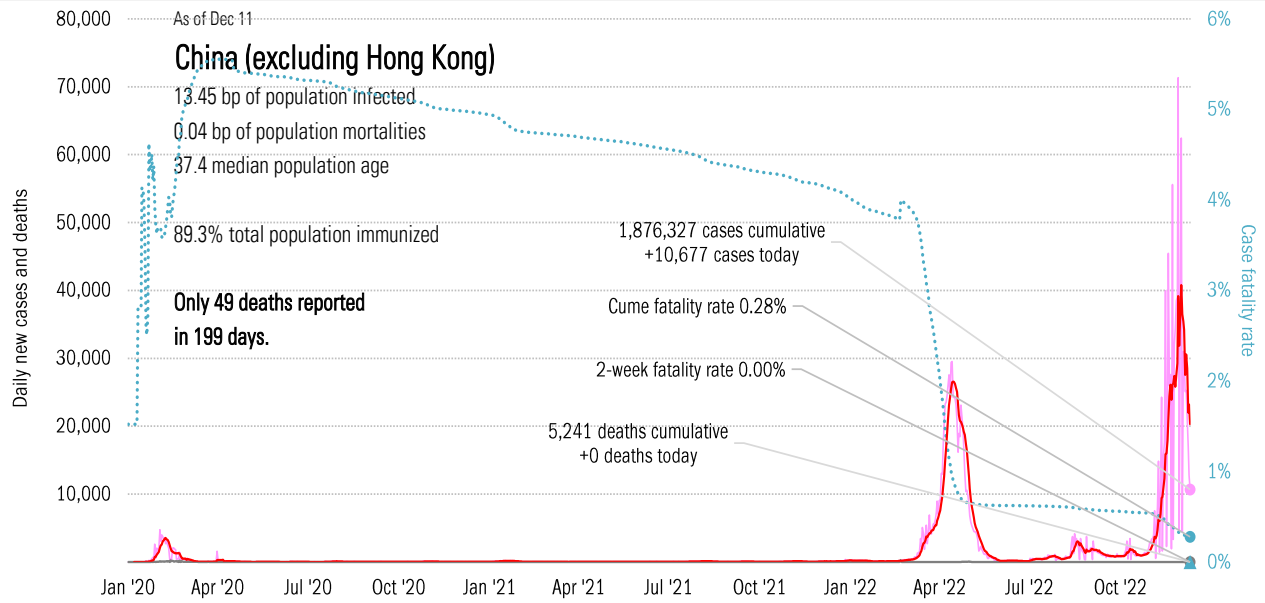
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

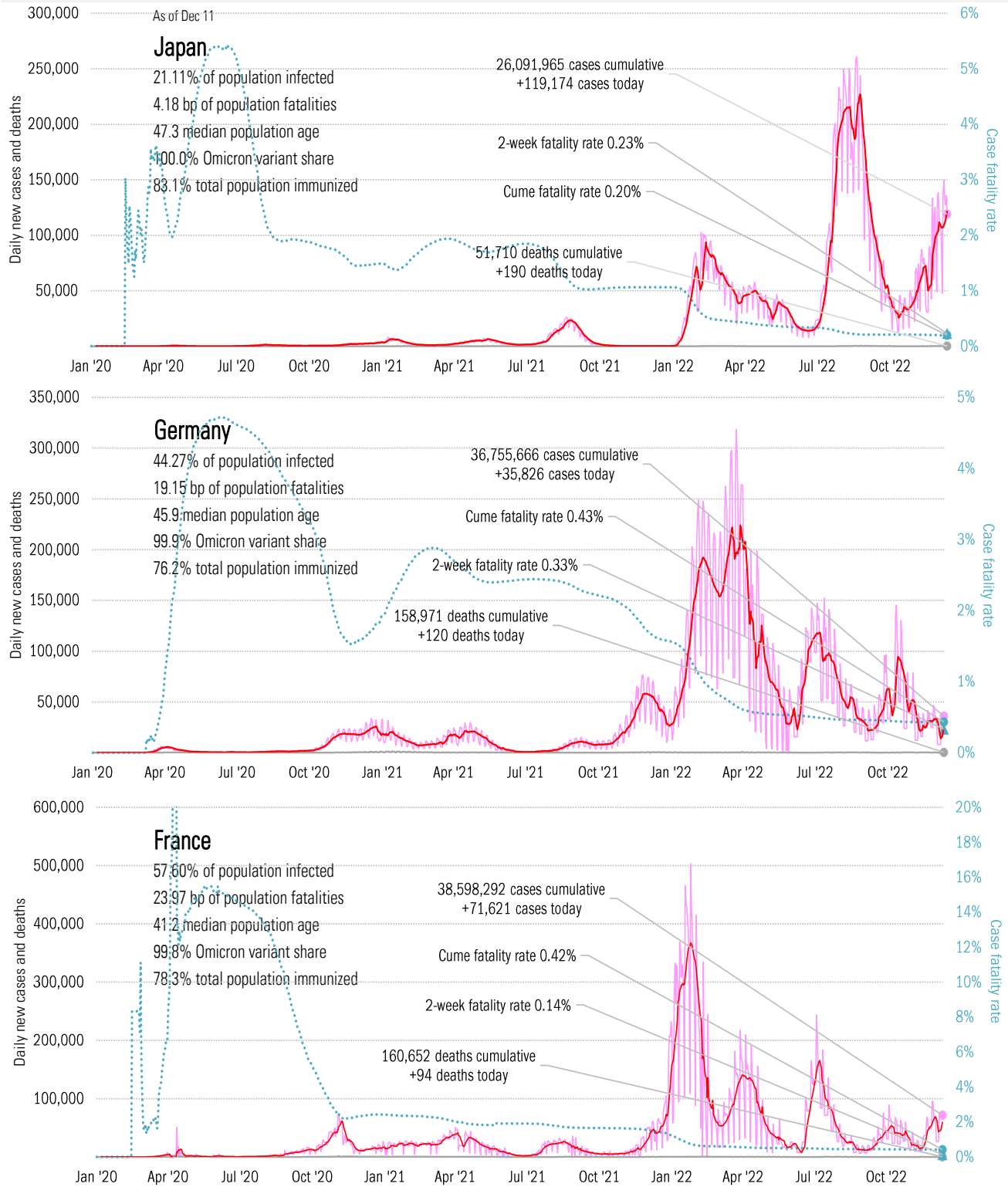
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

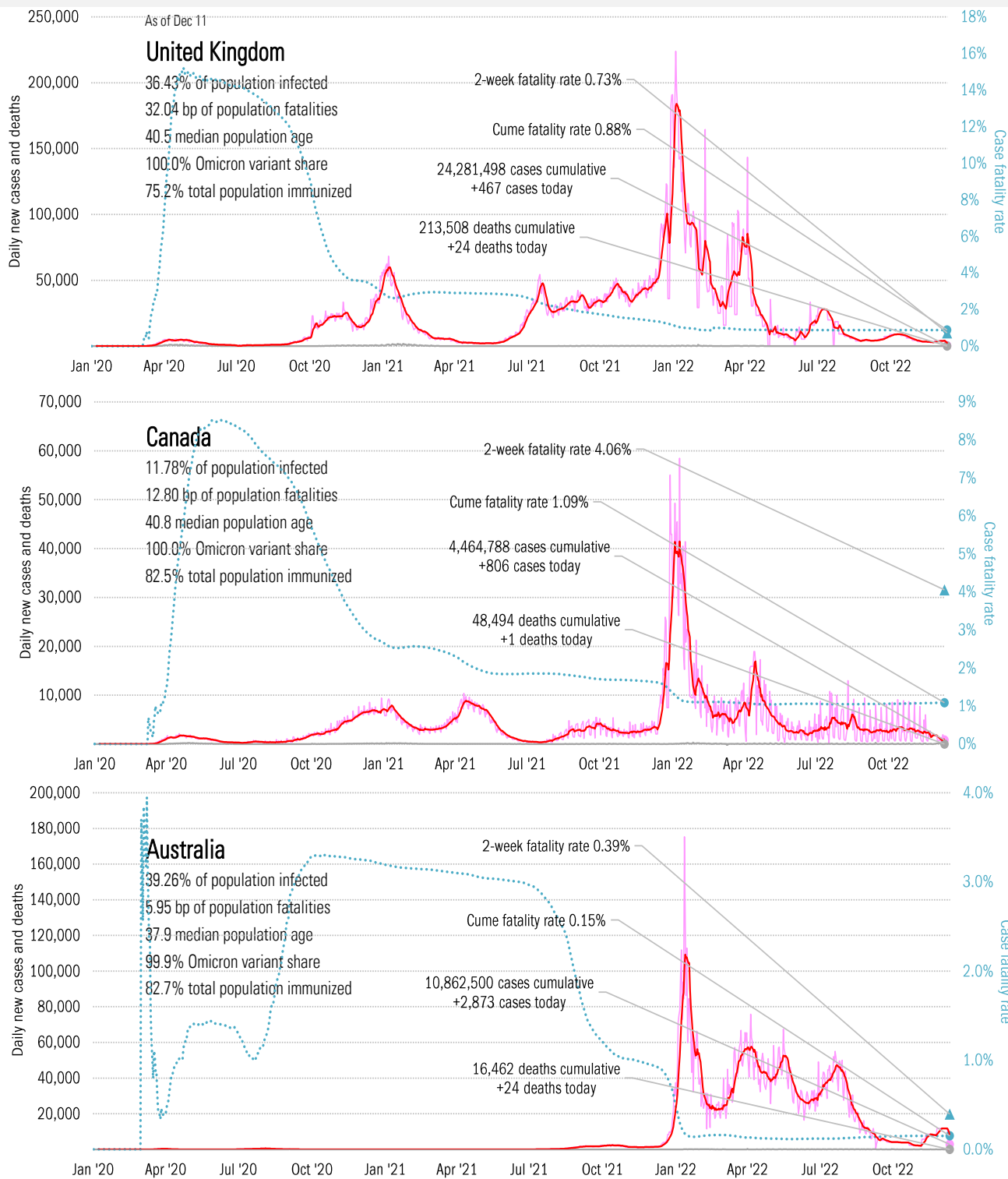
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

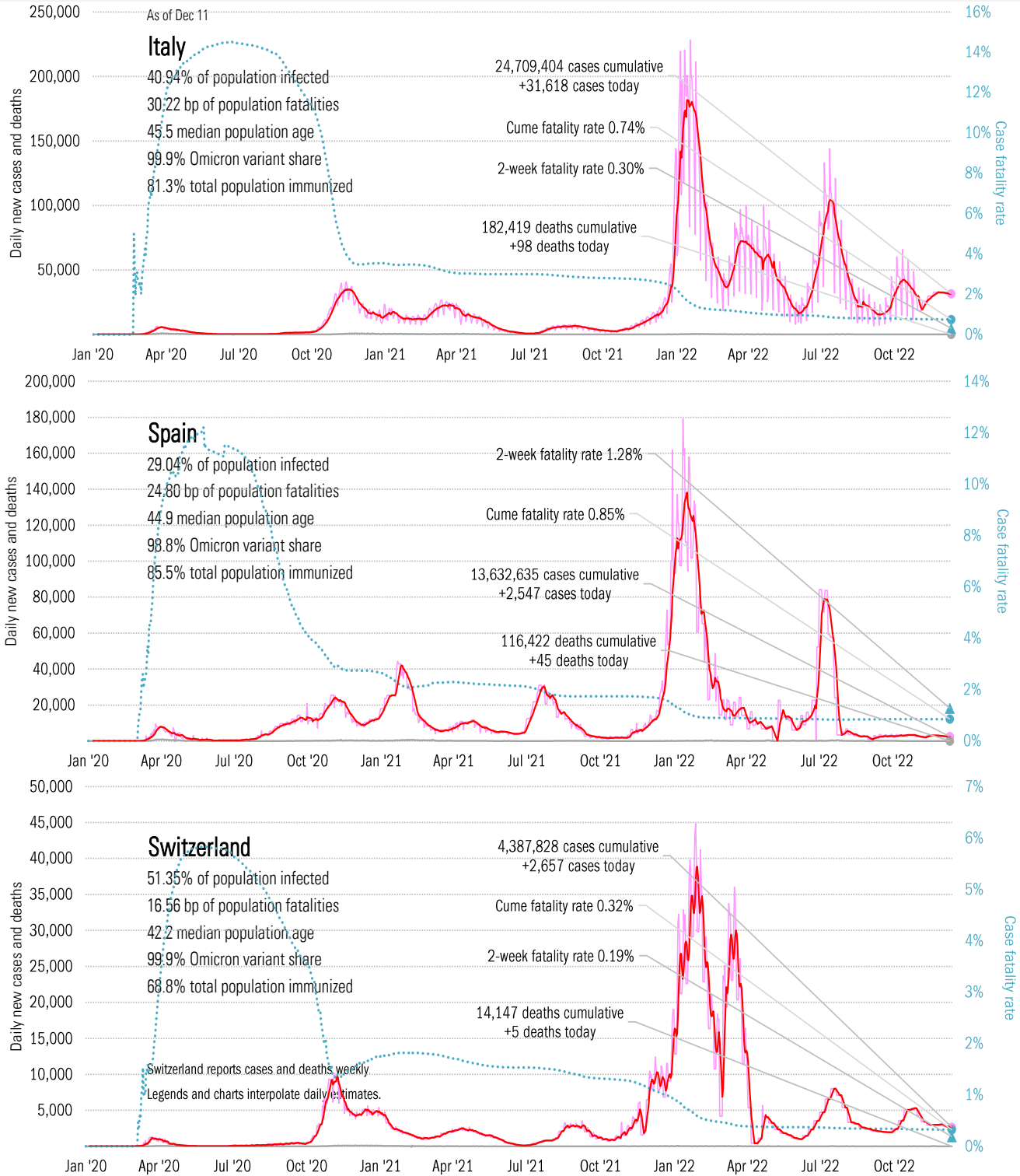
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

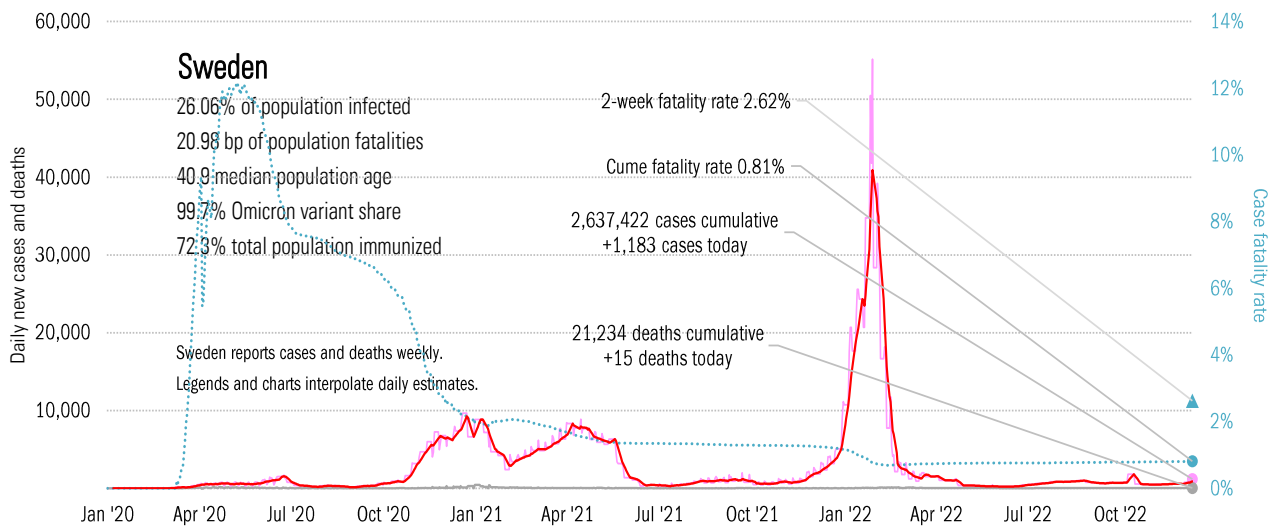
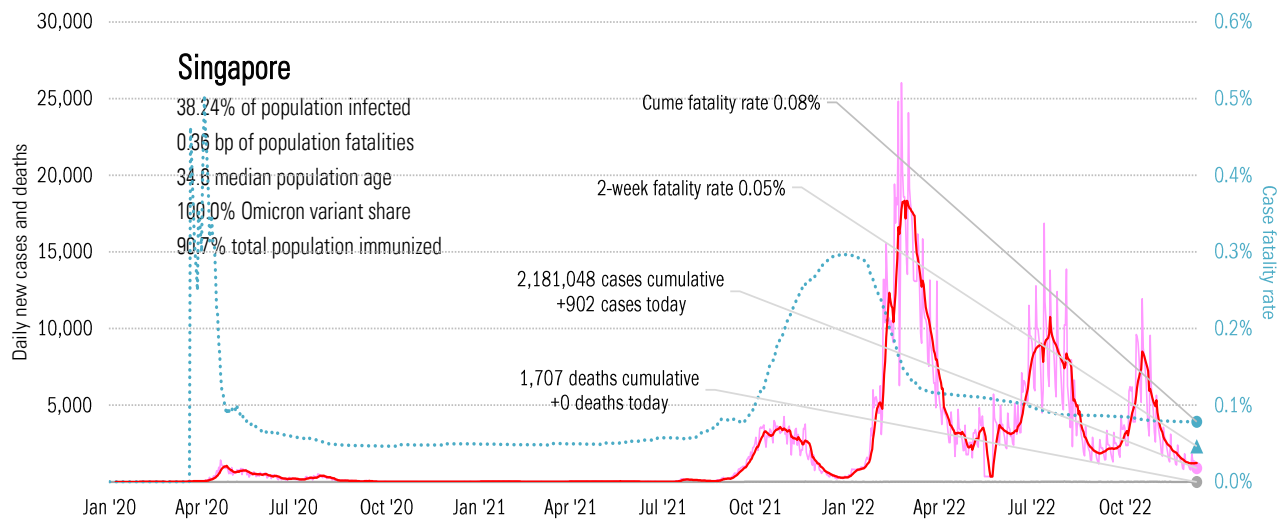
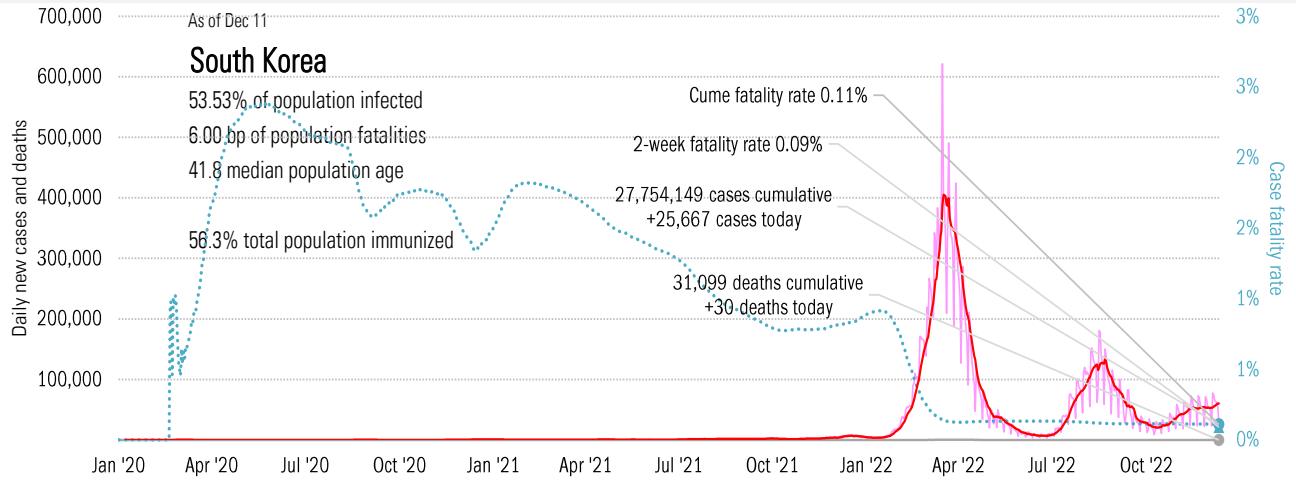
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

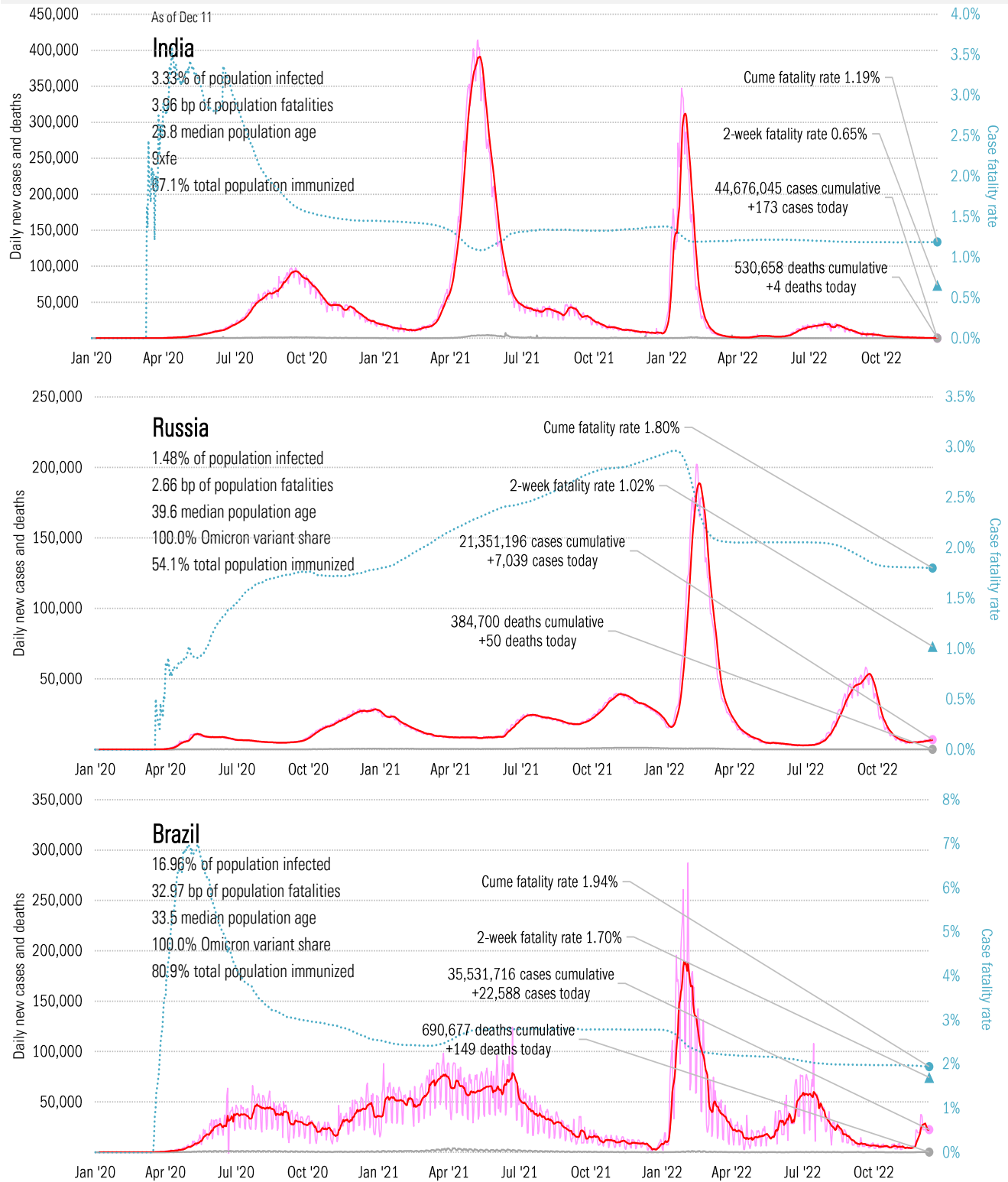
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

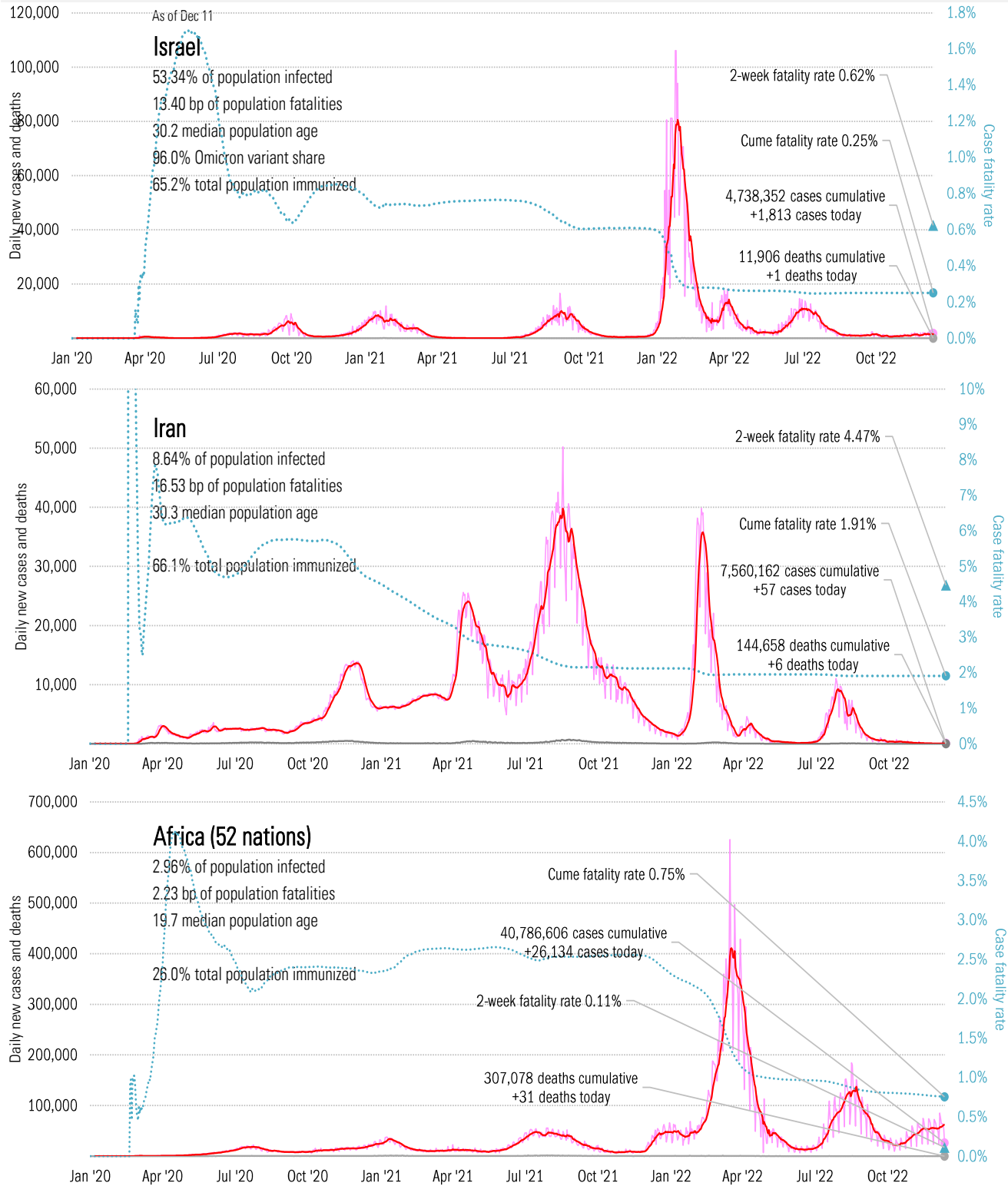
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

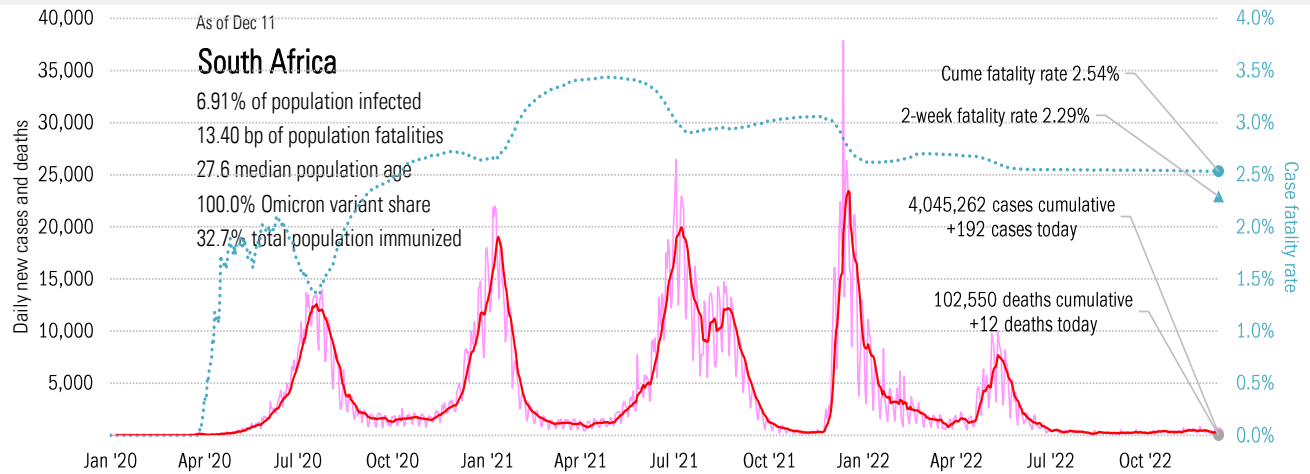
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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