

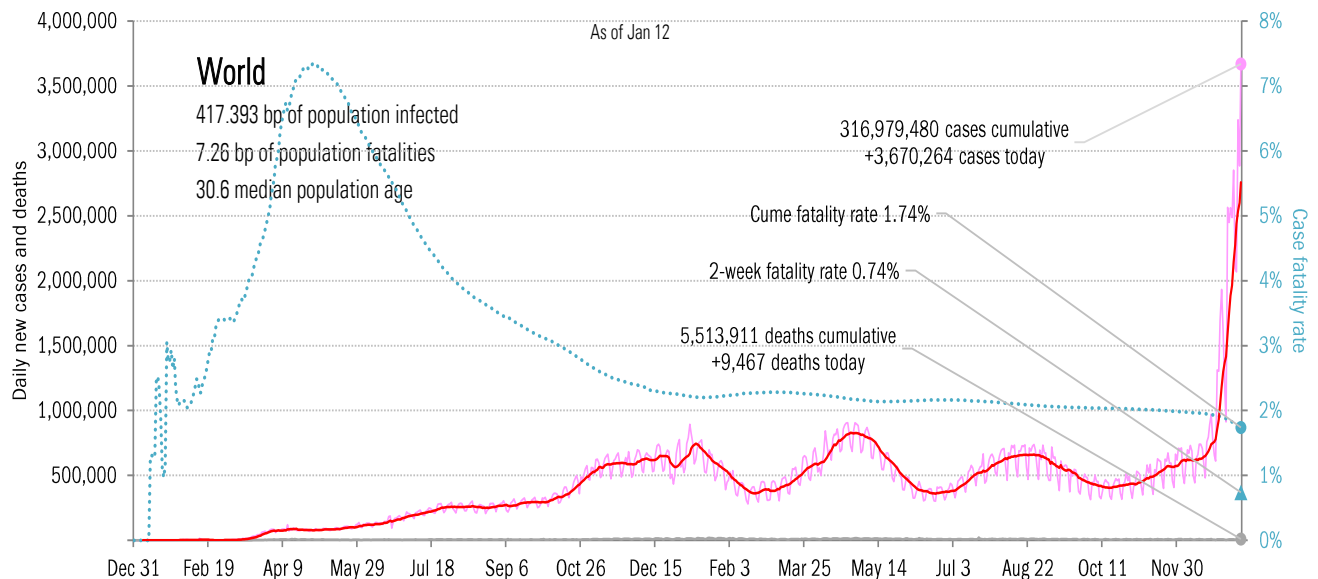
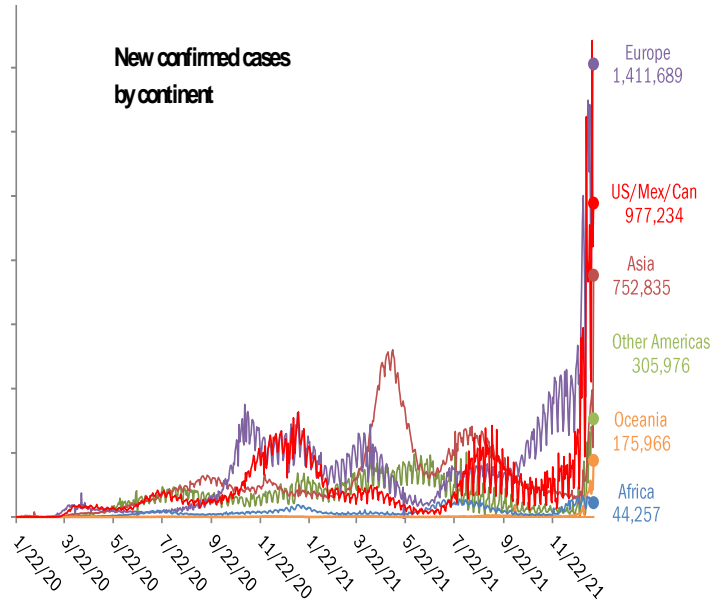
Data Insights: Covid-2019 Monitor

Thursday, January 13, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	897,278	United States	2,725
India	442,137	India	822
France	361,885	Russia	729
Italy	196,205	Poland	684
Spain	179,125	United Kingdom	403
Australia	175,271	Germany	317
United Kingdom	131,860	Italy	313
Argentina	131,082	France	246
Brazil	87,873	Ukraine	209
Germany	86,232	Mexico	190
2,688,948		6,638	
World	3,670,264	World	9,467
Top ten	73%	Top ten	70%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

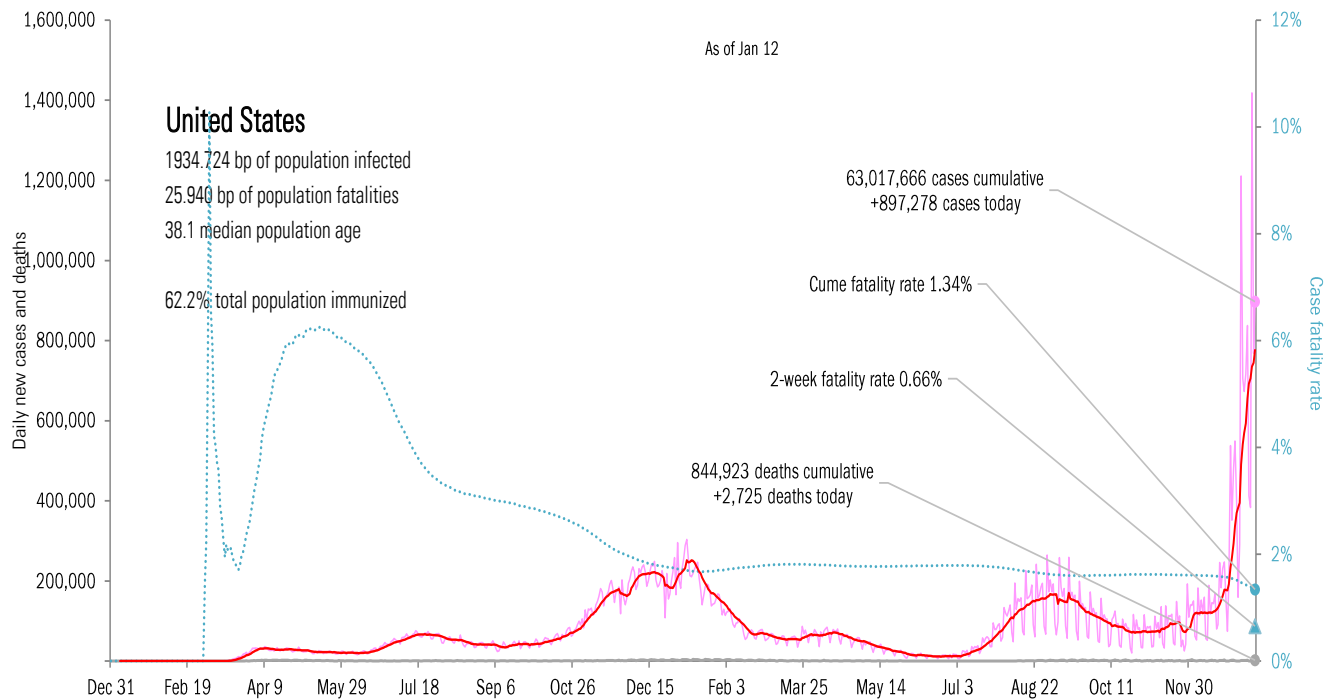
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	109,240		MI	398		CA	340		CA	6,559,027		CA	77,360		TX	421,690		MD	87%	TX	95%
TN	77,519		NY	209		TX	191		TX	5,217,482		TX	76,790		FL	358,337		WA	86%	KY	91%
TX	74,137		PA	204		NC	142		FL	4,692,747		FL	62,865		CA	354,138		RI	86%	AL	91%
FL	74,049		IA	182		PA	116		NY	4,312,866		NY	61,195		NY	211,992		PA	85%	IN	91%
NY	55,458		TX	147		FL	100		IL	2,522,953		PA	38,103		GA	179,596		MA	85%	NH	90%
MI	35,759		IL	144		SC	97		PA	2,351,028		GA	31,801		CH	166,557		GA	85%	NM	90%
IL	34,573		CA	134		MA	84		CH	2,246,974		IL	31,237		PA	153,290		MN	84%	MO	90%
PA	29,941		IN	127		AZ	70		GA	2,069,066		CH	30,435		IL	136,410		MI	84%	RI	90%
NC	25,445		NJ	103		AR	66		MI	1,940,708		MI	30,412		MI	123,886		FL	83%	AR	89%
MA	24,296		MD	87		WA	65		NC	1,930,710		NJ	29,737		KY	123,799		IN	83%	CK	88%
540,417			1,735			1,271			33,843,561			469,935			2,229,695						
All states 897,278			2,725			1,038			All states 63,017,666			844,923			4,022,087			All states 70%		67%	
Top ten 60%			64%			122%			Top ten 54%			56%			55%			Median 80%		84%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-26,975	CH	-363	FL	-628	GA	+30 bp
MS	-22,221	AZ	-207	NY	-456	MP	+30 bp
MN	-18,762	MO	-175	CH	-395	RI	+20 bp
LA	-12,494	NY	-88	GA	-336	AL	+10 bp
CO	-9,511	FL	-66	CA	-317	AR	+10 bp

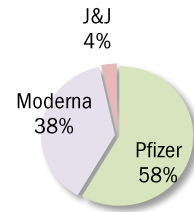


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	535,889,239	+1.343 million	US	62.2%	74.6%
Boosters	78,204,408	+0.727 million	UK	70.0%	76.3%
	One dose	% Pop	Immune	% pop	New immune today
Total population	253,714,384	76%	213,336,021	64%	+0.230 million
Age 12 to 17	15,461,173	65%	12,936,553	54%	+0.003 million
Age 18 to 64	171,451,997	84%	144,641,524	71%	+0.100 million
Age 65 and over	58,109,757	100%	49,837,904	91%	+0.065 million

France	74.6%	78.9%
Spain	81.5%	86.0%
Germany	71.7%	74.2%
Italy	74.9%	81.4%
Australia	77.4%	80.3%
Israel	64.6%	71.7%
Canada	77.7%	84.0%
Japan	78.9%	80.3%
Africa	10.0%	15.3%
India	46.2%	64.5%
Brazil	67.8%	77.9%
China	84.2%	87.4%



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

Every American >18 immunized in **272 days** by Oct 11, 2022
 75.3% of population >18 immunized
 22.2% previously tested positive
97.5% vs 60% adult herd immunity

Global data differs due to sources, timing

AK
65.7%
56.8%

WI
69.1%
62.6%

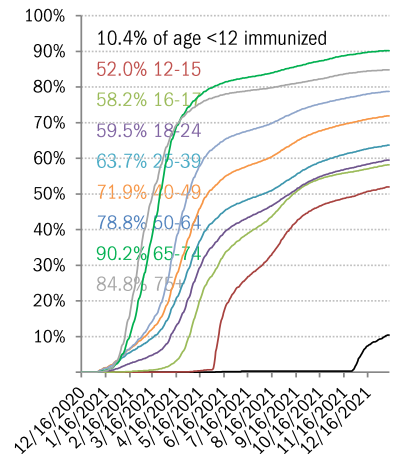
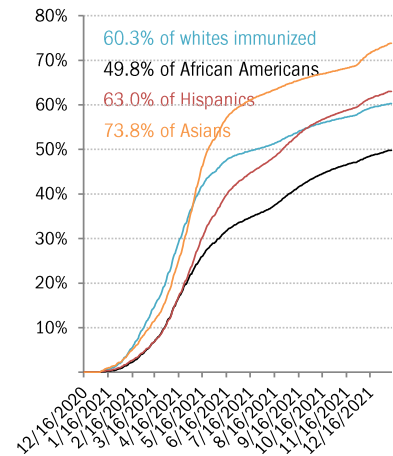
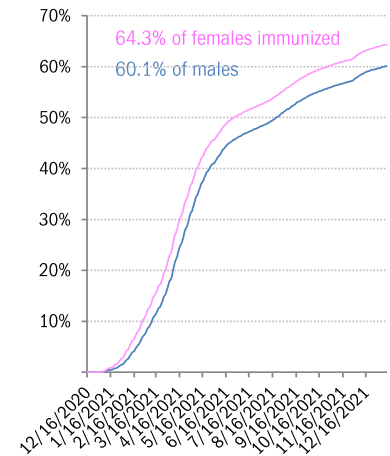
ME
87.0%
76.5%

As of Jan 13

WA 76.6% 68.6%	ID 52.6% 46.5%	MT 62.5% 54.4%	ND 62.9% 53.1%	MN 72.2% 66.1%	IL 73.7% 65.0%	MI 64.2% 57.4%	NY 85.7% 72.7%	VT 90.5% 78.3%	NH 95.0% 67.8%	
OR 74.7% 67.0%	NV 70.8% 57.2%	WY 56.5% 48.0%	SD 72.1% 57.8%	IA 65.6% 59.5%	IN 58.6% 52.4%	OH 61.3% 55.9%	PA 79.9% 64.6%	NJ 85.3% 71.3%	MA 92.4% 75.3%	
CA 84.3% 67.0%	UT 68.0% 59.4%	CO 75.4% 66.8%	NE 67.2% 60.5%	MO 63.1% 53.5%	KY 63.2% 54.7%	WV 62.6% 55.5%	VA 80.2% 68.7%	MD 81.6% 71.1%	CT 90.5% 75.5%	RI 91.3% 77.5%
	AZ 68.4% 57.7%	NM 81.9% 66.9%	KS 70.4% 57.6%	AR 63.6% 51.8%	TN 59.4% 51.8%	NC 78.5% 57.3%	SC 63.8% 53.7%	DC 90.3% 68.3%	DE 77.9% 64.8%	
			OK 67.2% 54.1%	LA 58.2% 50.8%	MS 56.4% 48.8%	AL 59.3% 48.2%	GA 62.1% 51.7%			
			TX 67.9% 57.6%					FL 75.5% 63.9%	PR 90.0% 77.6%	

HI
91.8%
64.6%

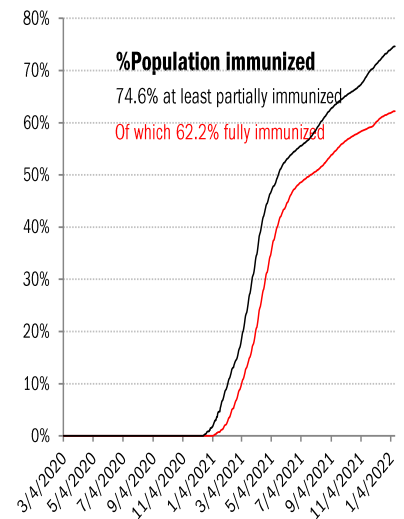
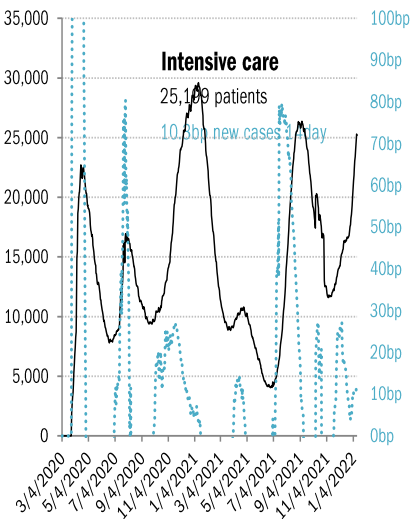
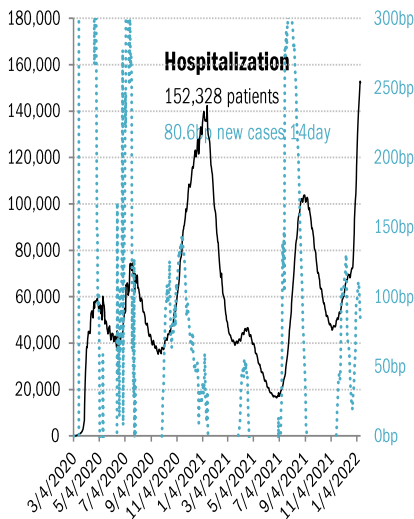
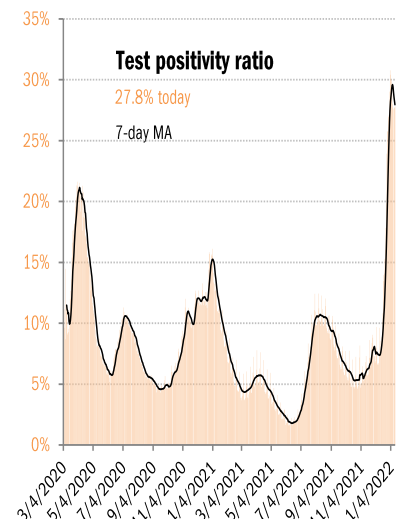
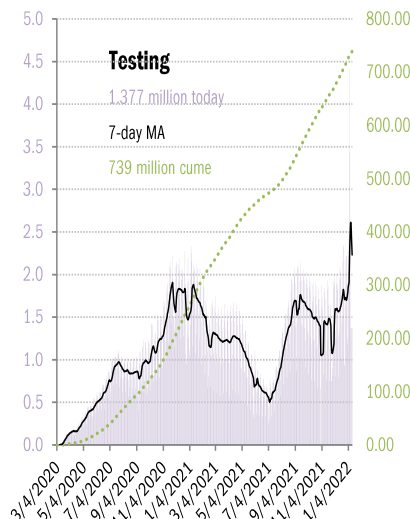
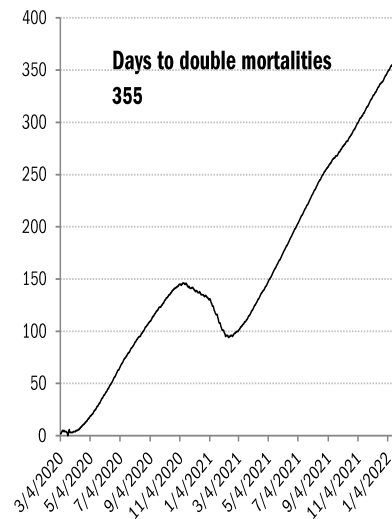
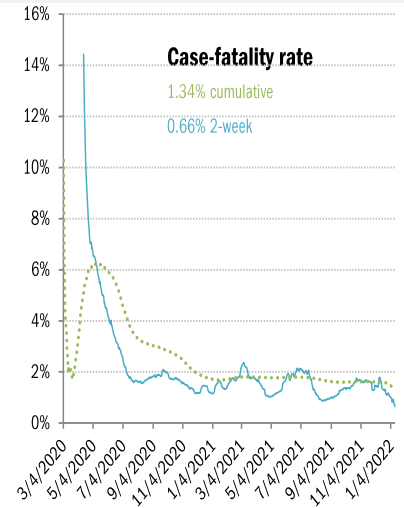
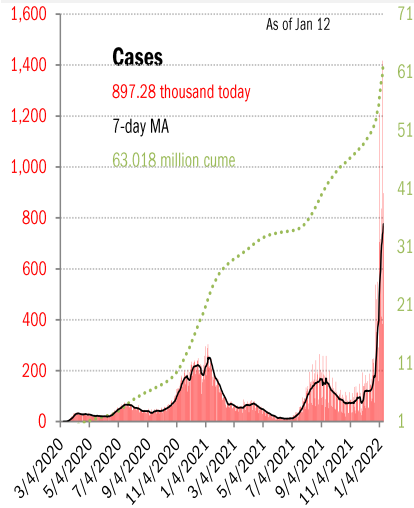
The demographics of US vaccination



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

US deep-dive

National and state-by-state data do not line up because of different sources



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

Recommended reading

[Biden's Operation Snail Speed on Covid Therapies](#)

Wall Street Journal

January 12, 2022

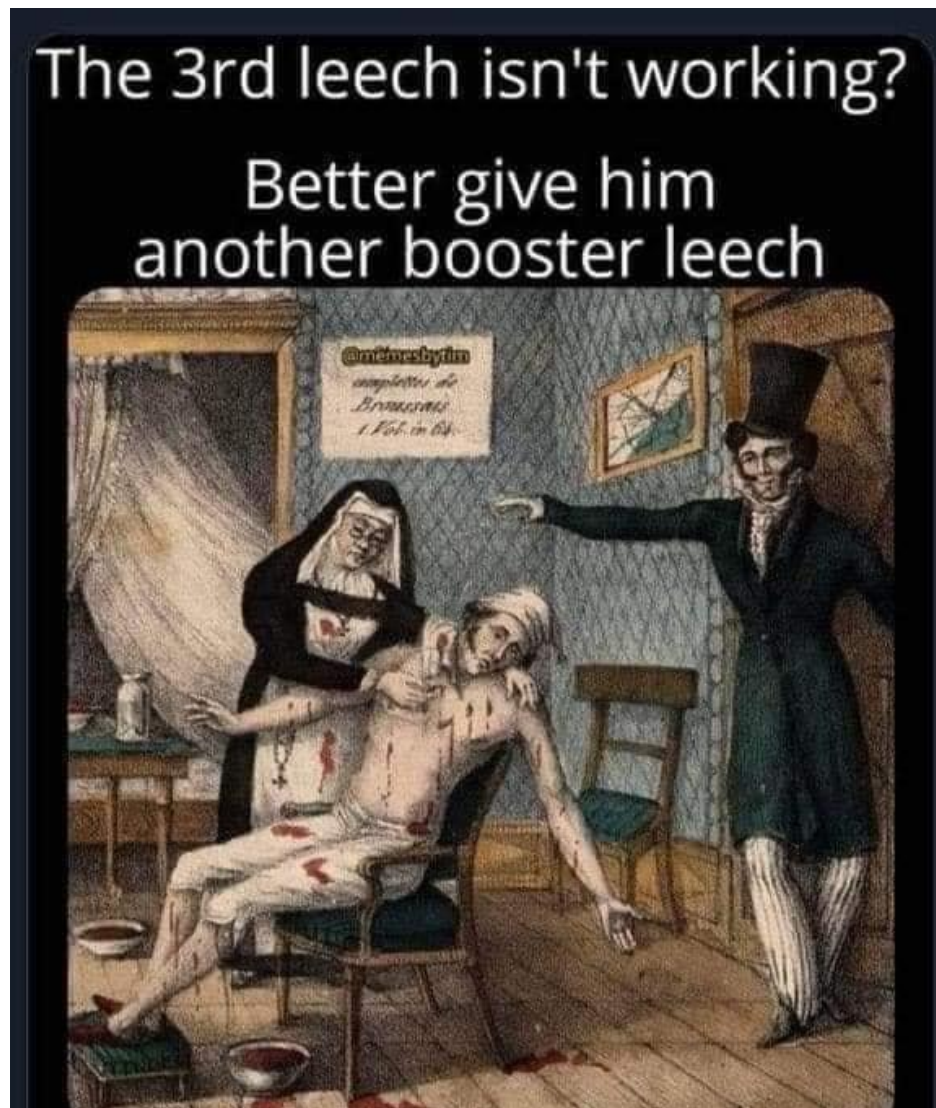
[Head of COVID response for UCSF's ER dept.: 'I have not intubated a single COVID patient during this Omicron surge'](#)

Amy Graff

SFGate

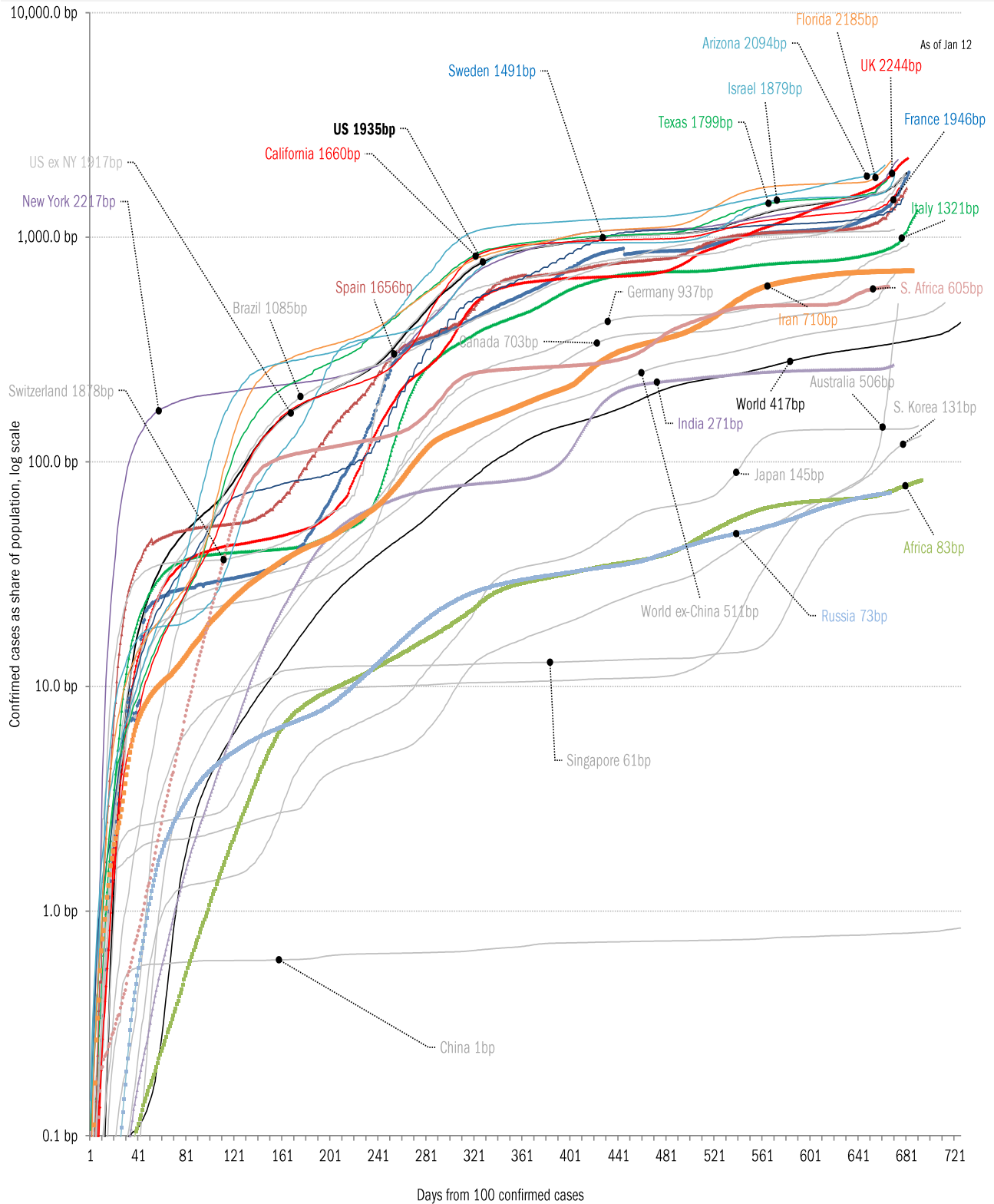
January 12, 2022

Meme of the day



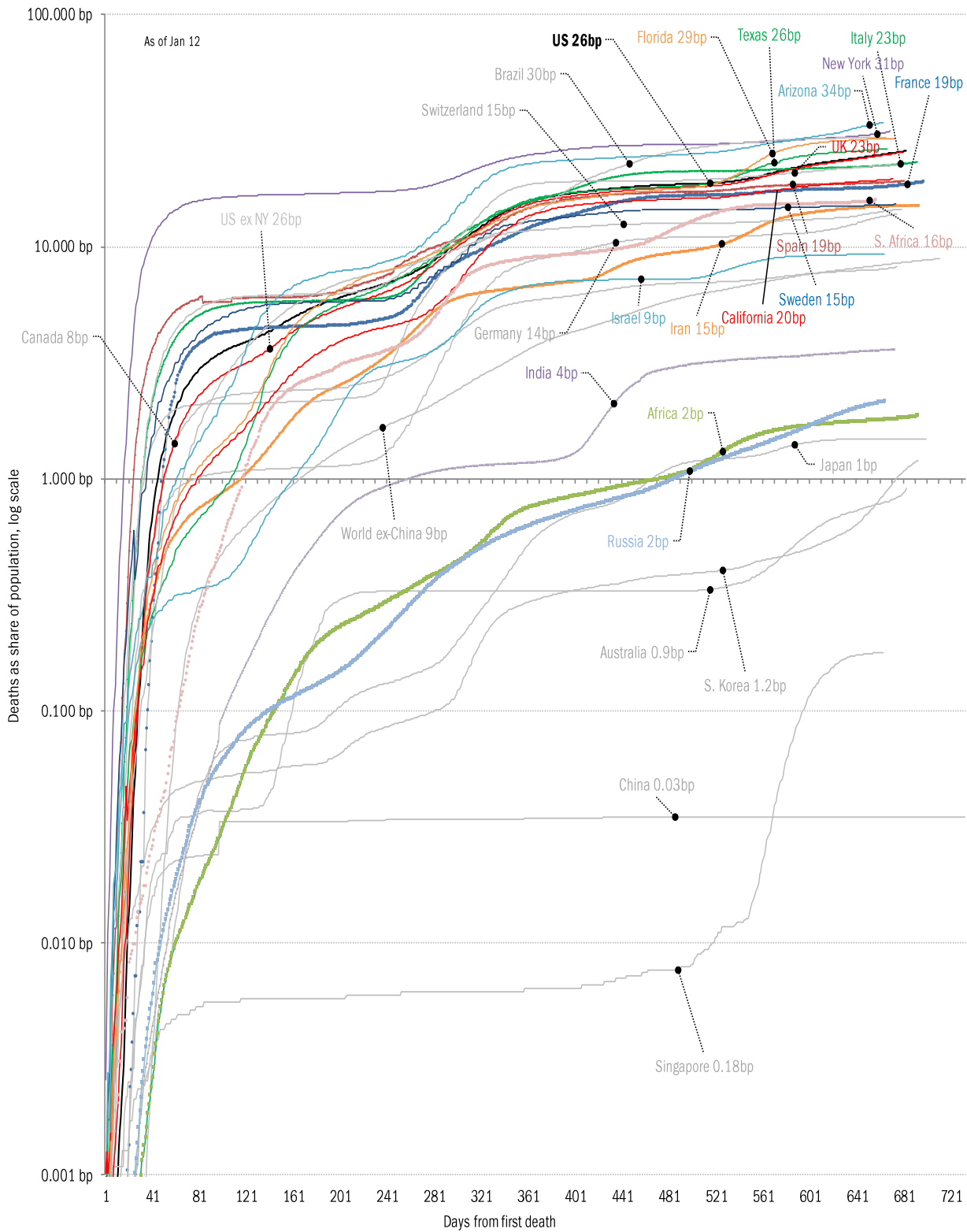
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

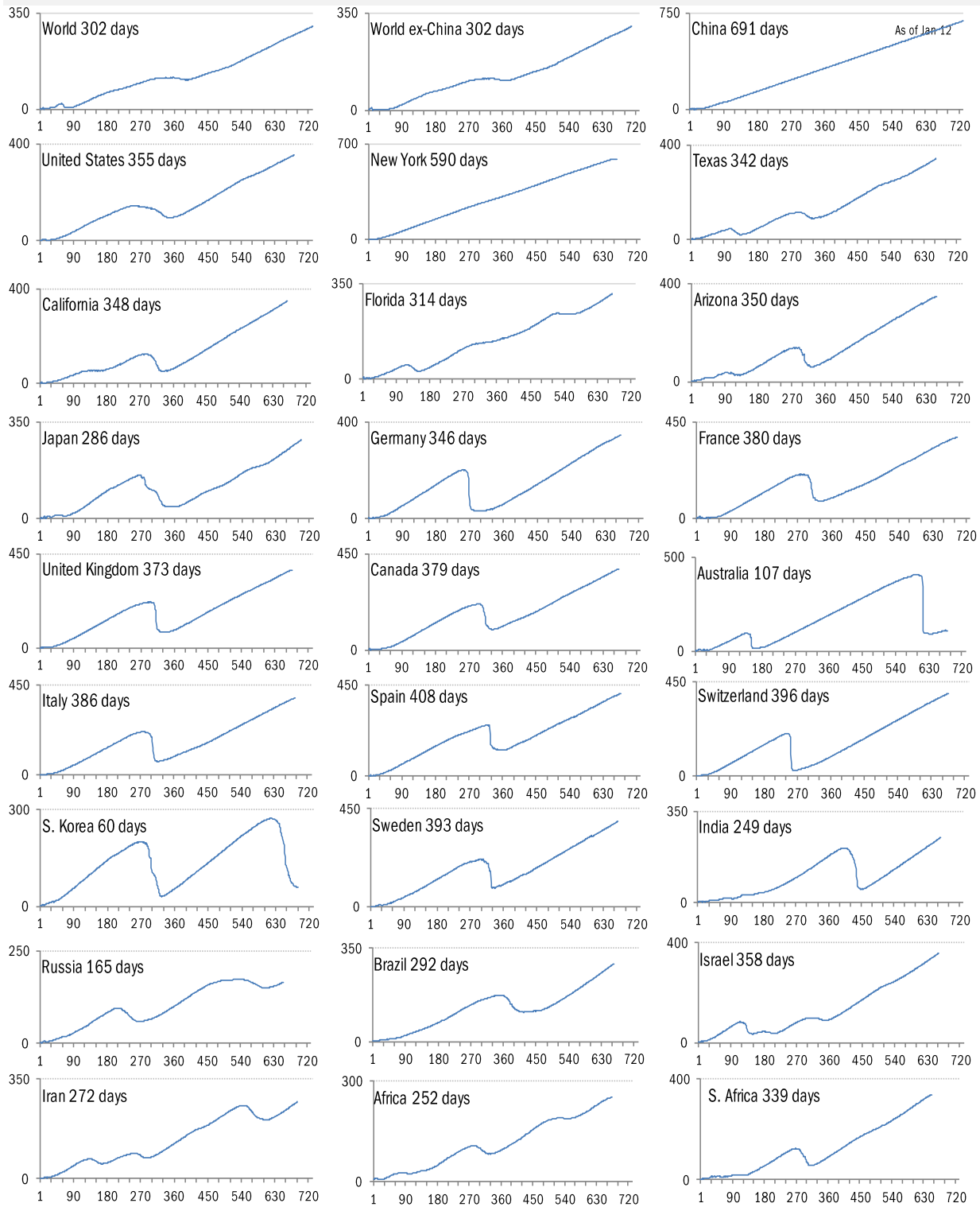


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

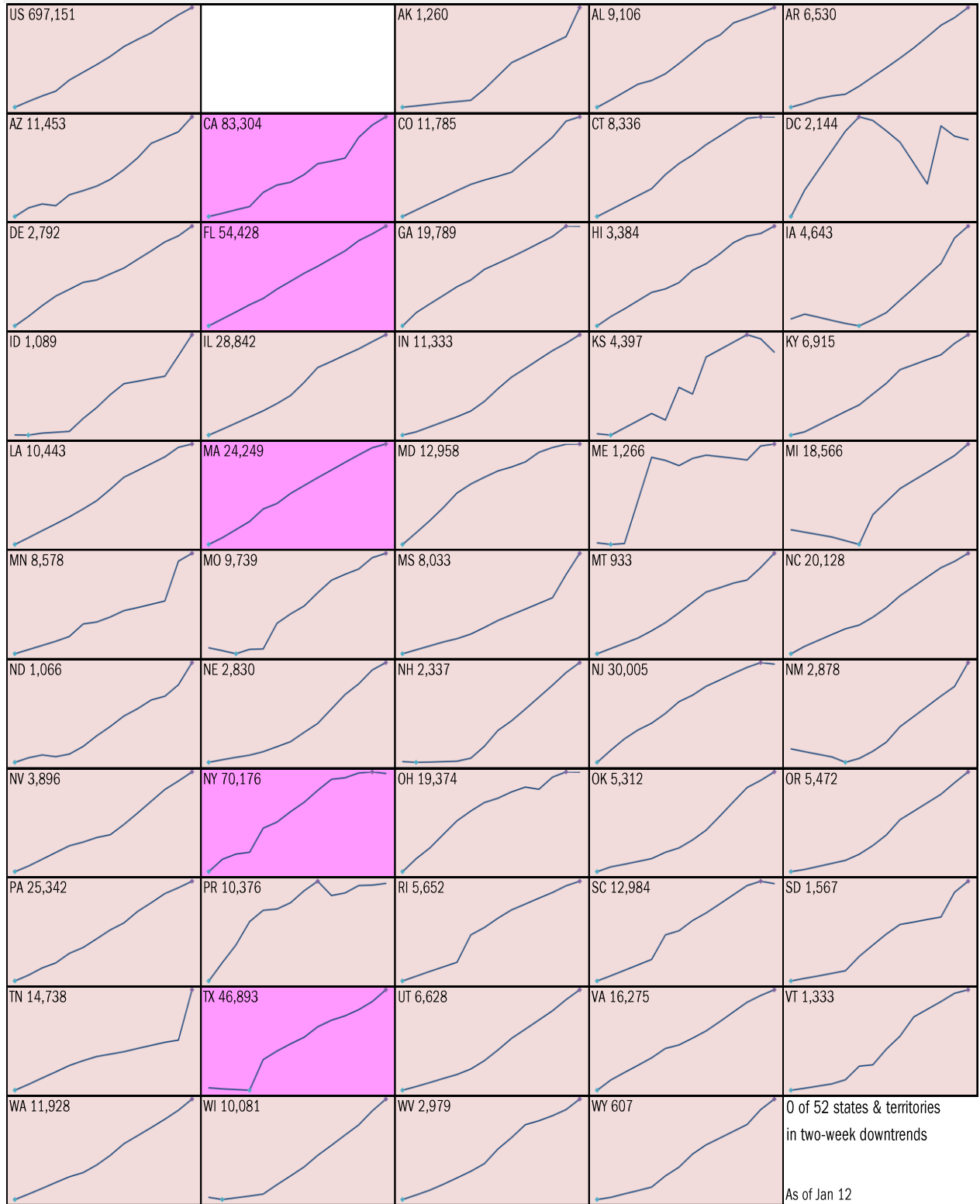


Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward 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

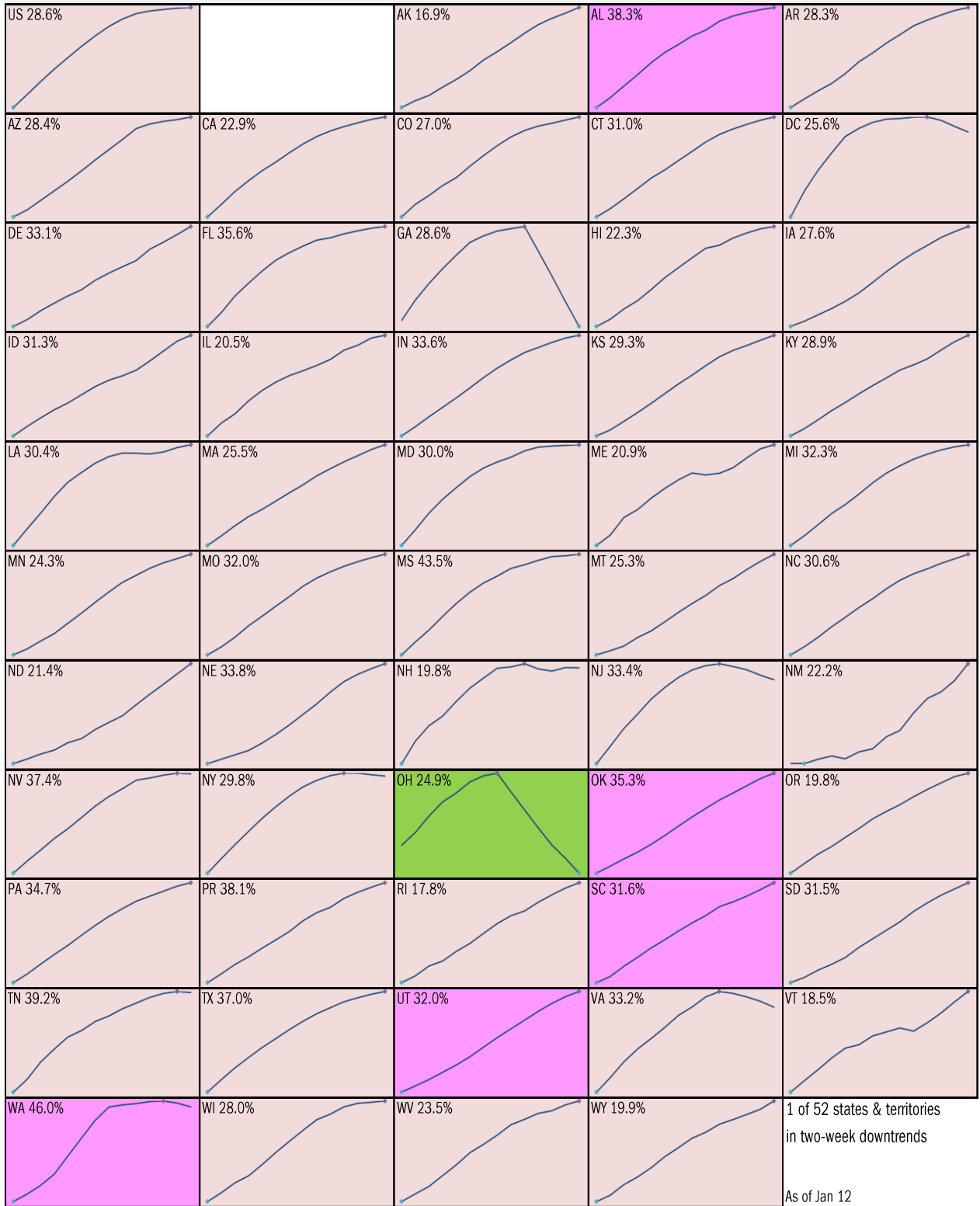


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

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

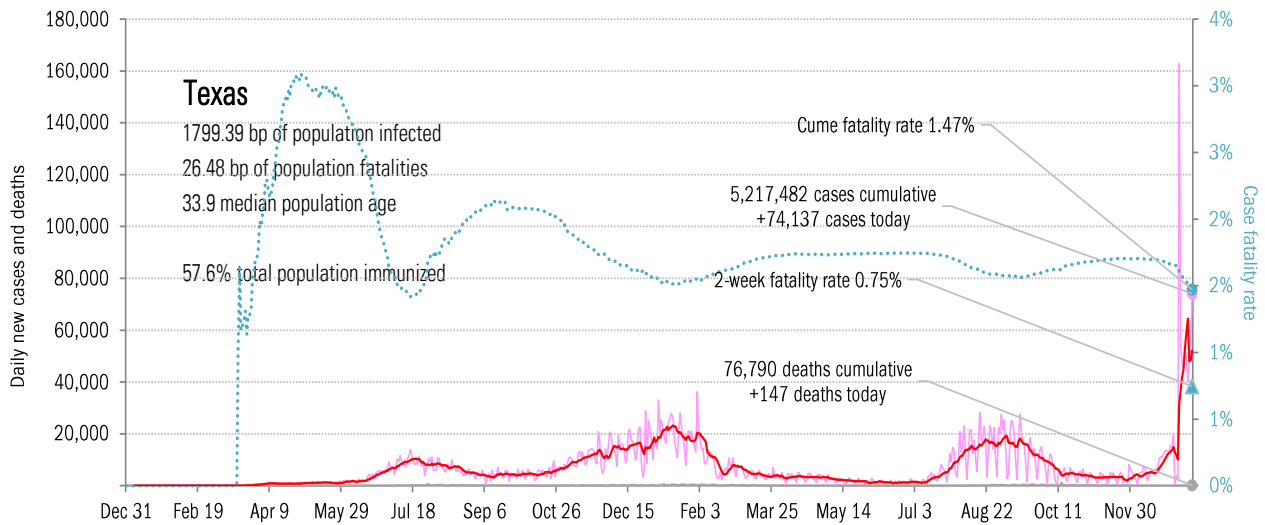
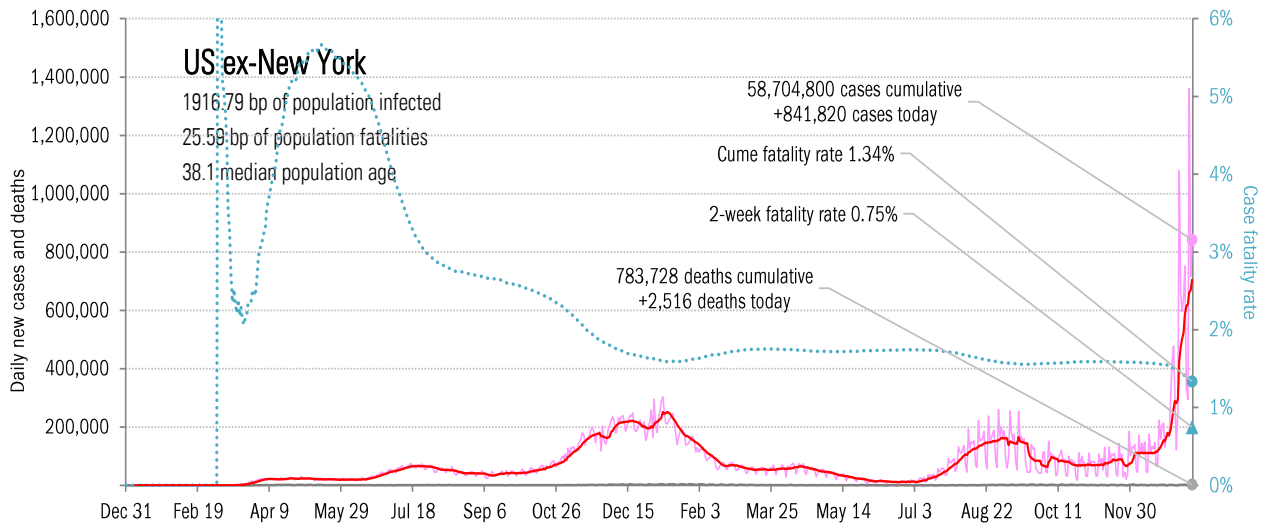
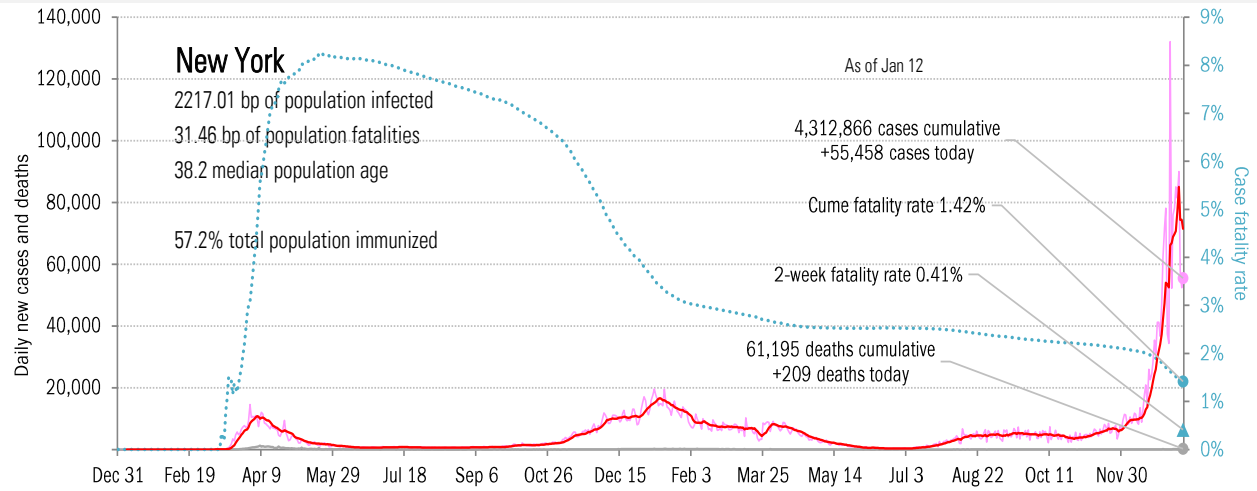
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

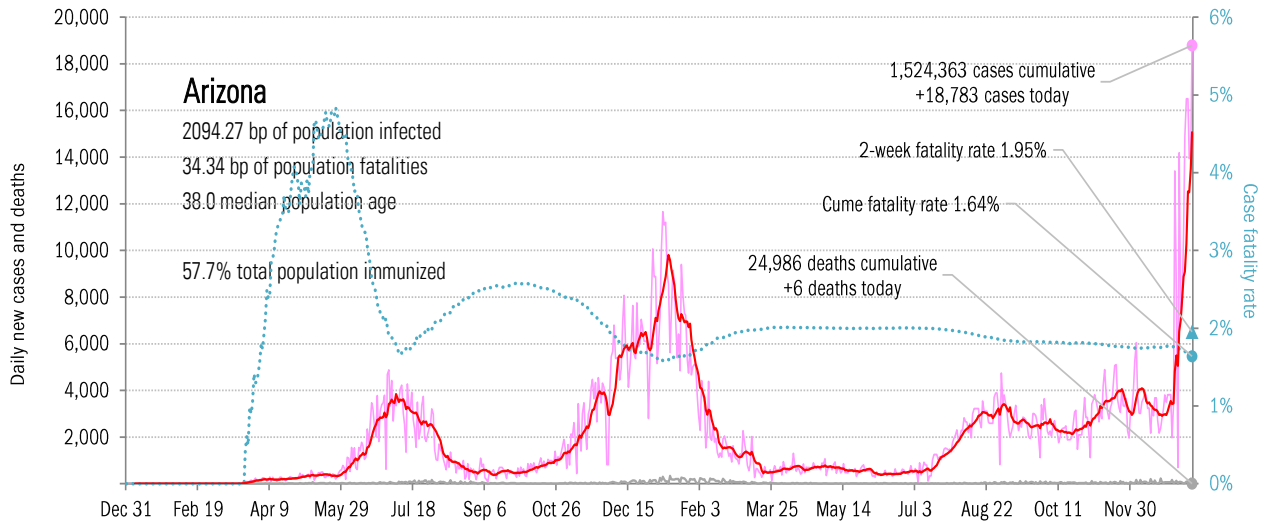
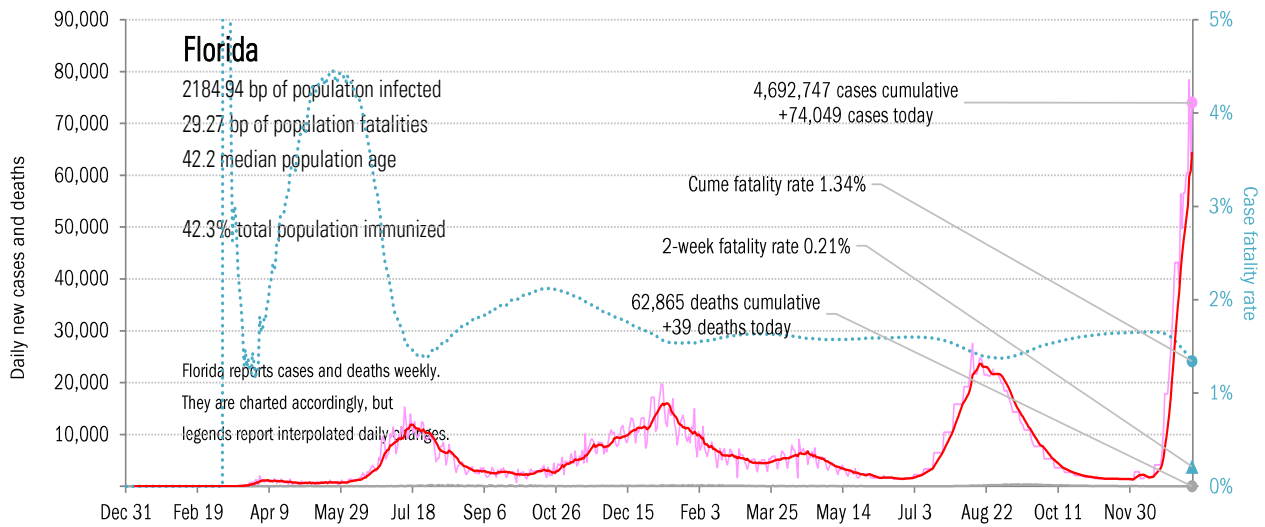
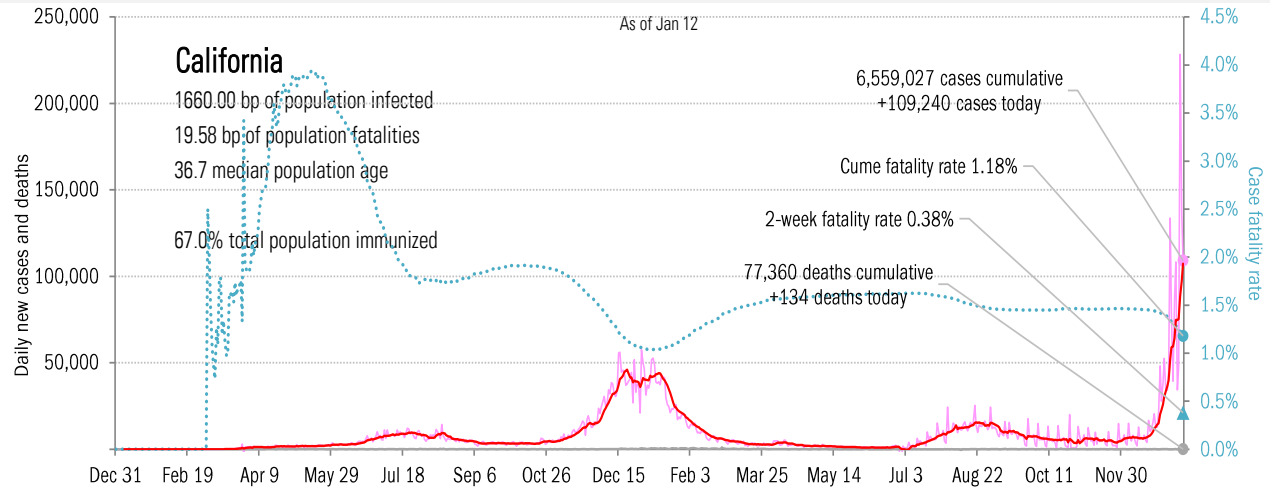
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

The sun-belt hot-spot states (other than Texas)

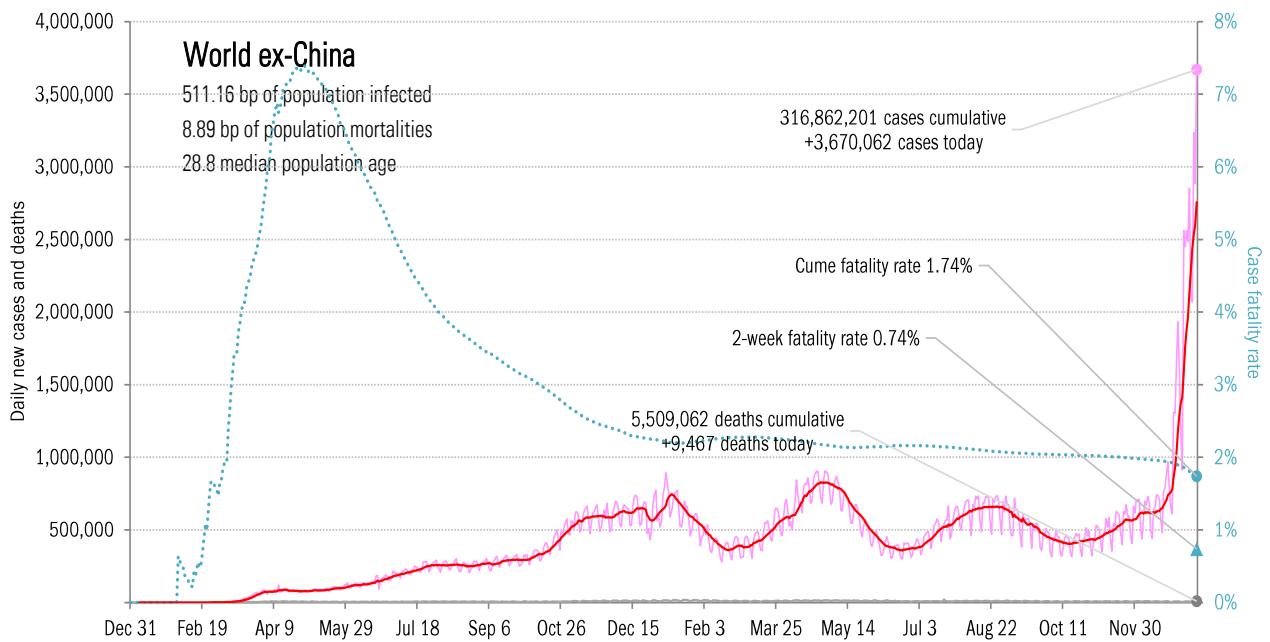
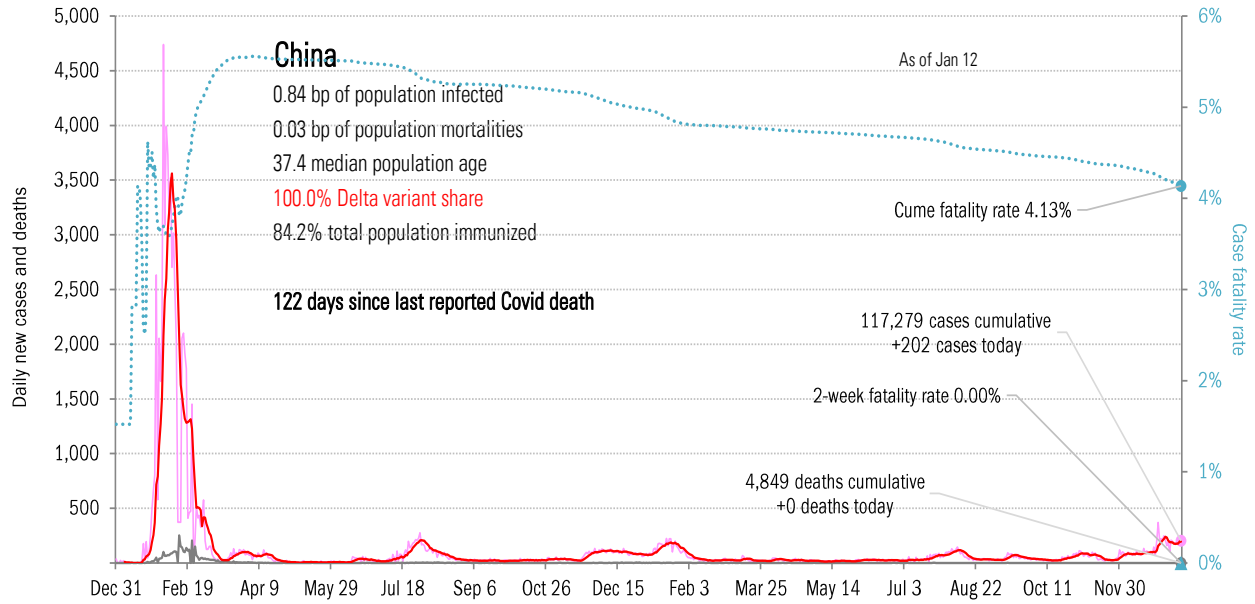
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

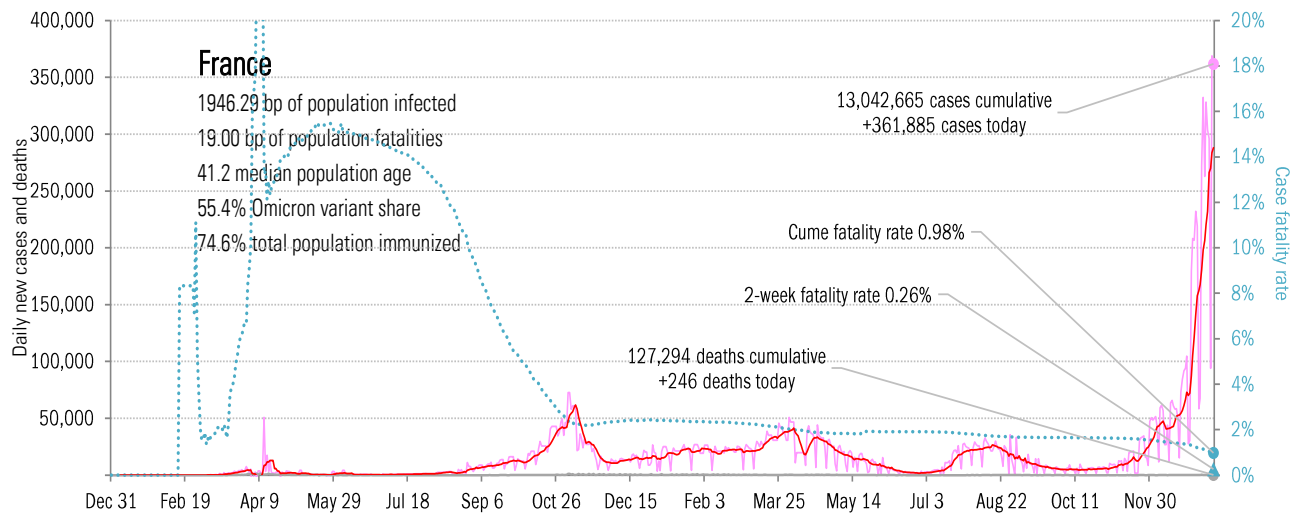
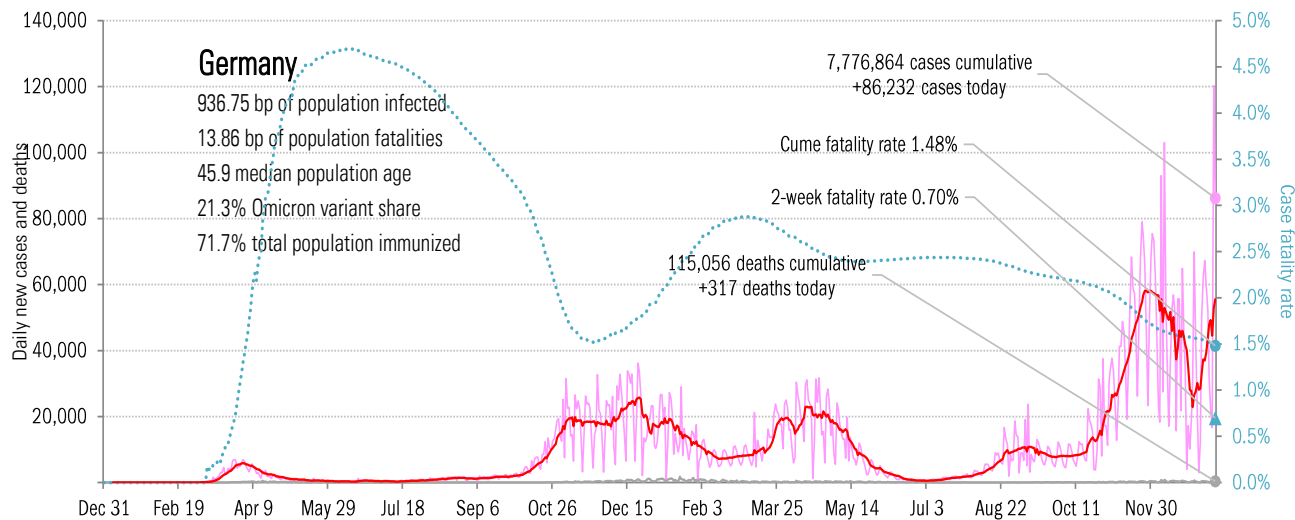
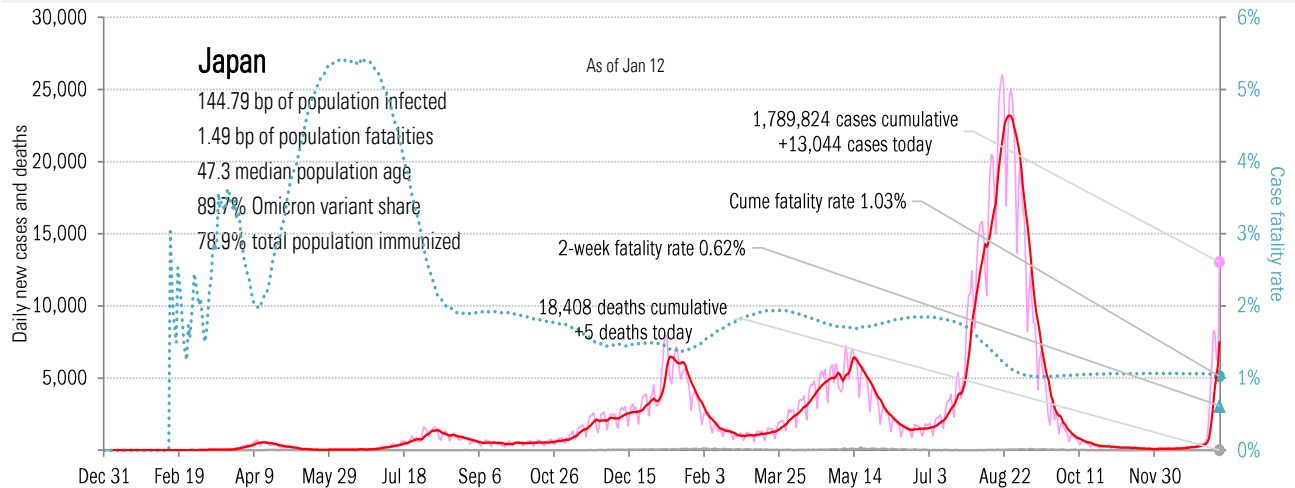
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

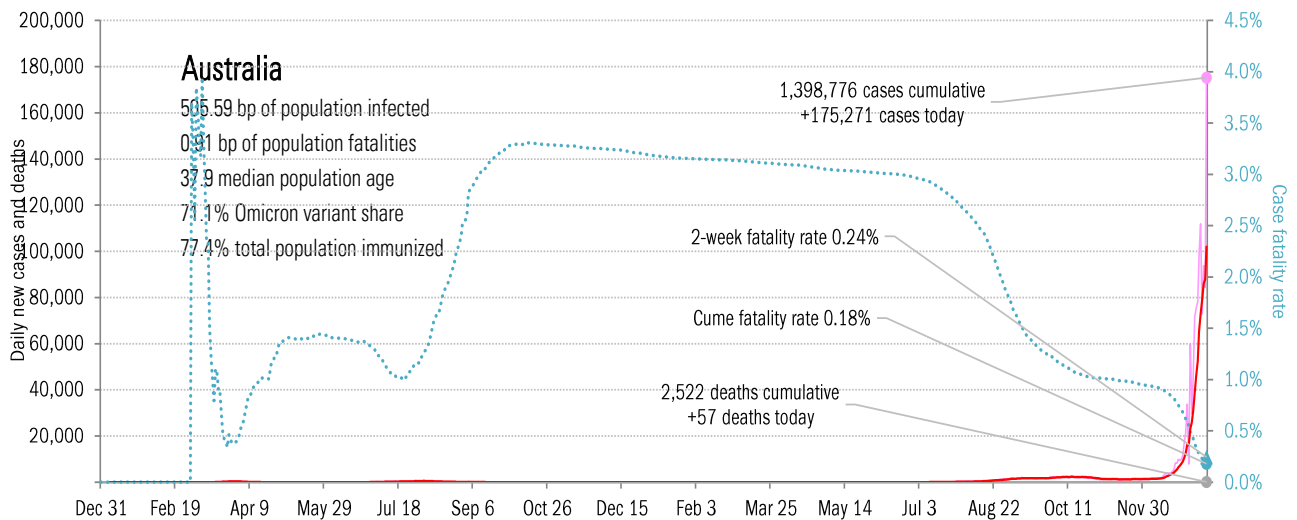
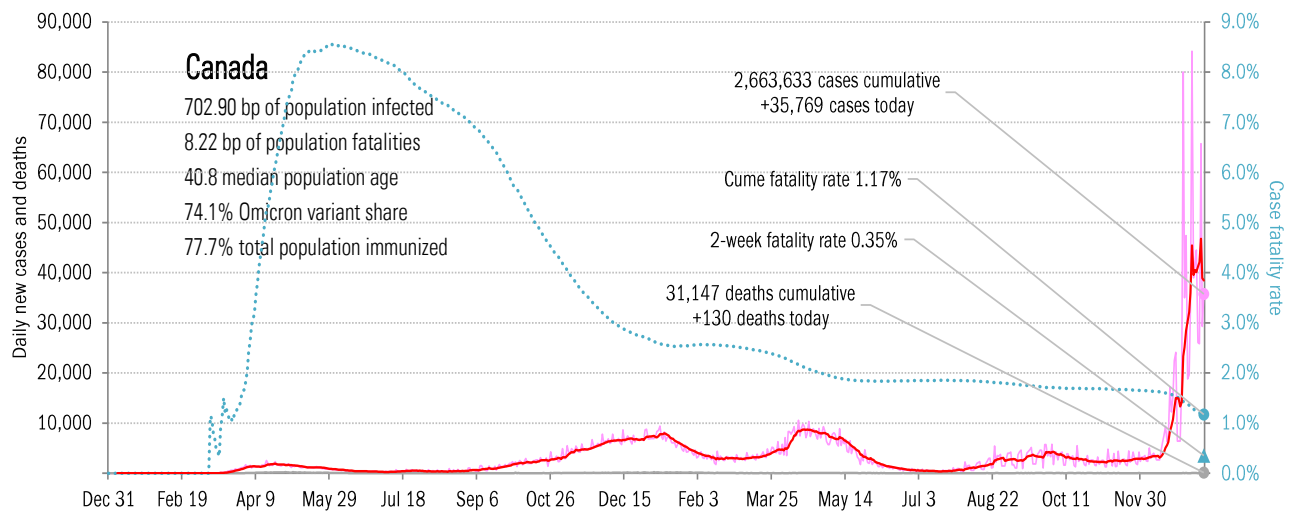
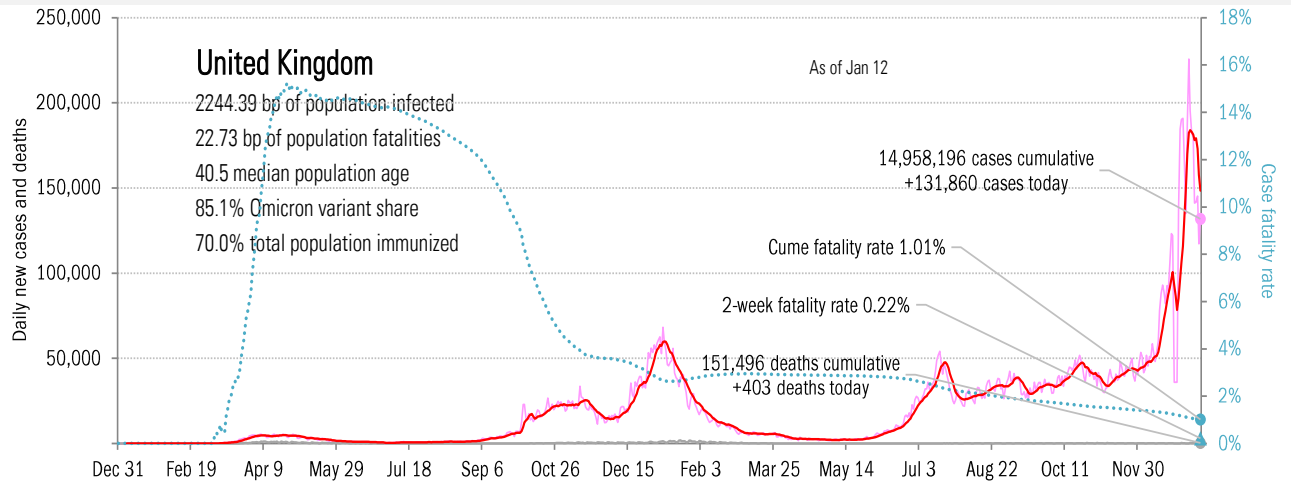
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

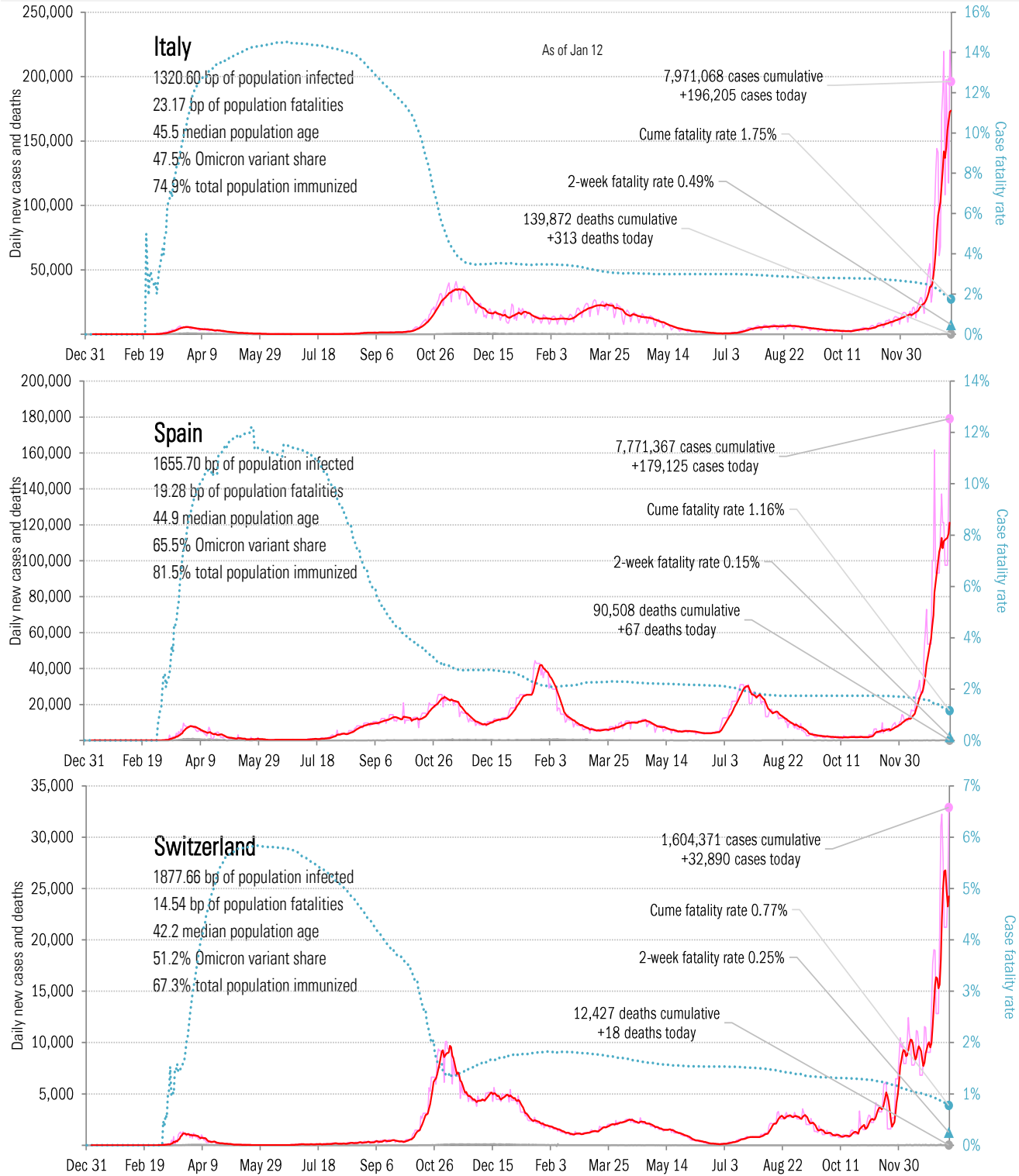
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

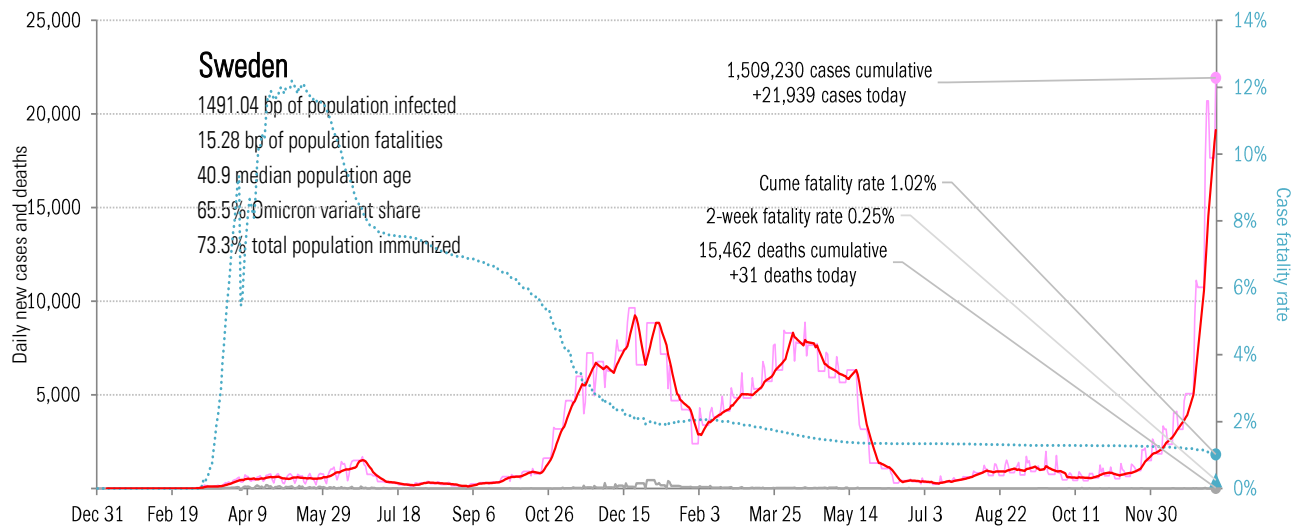
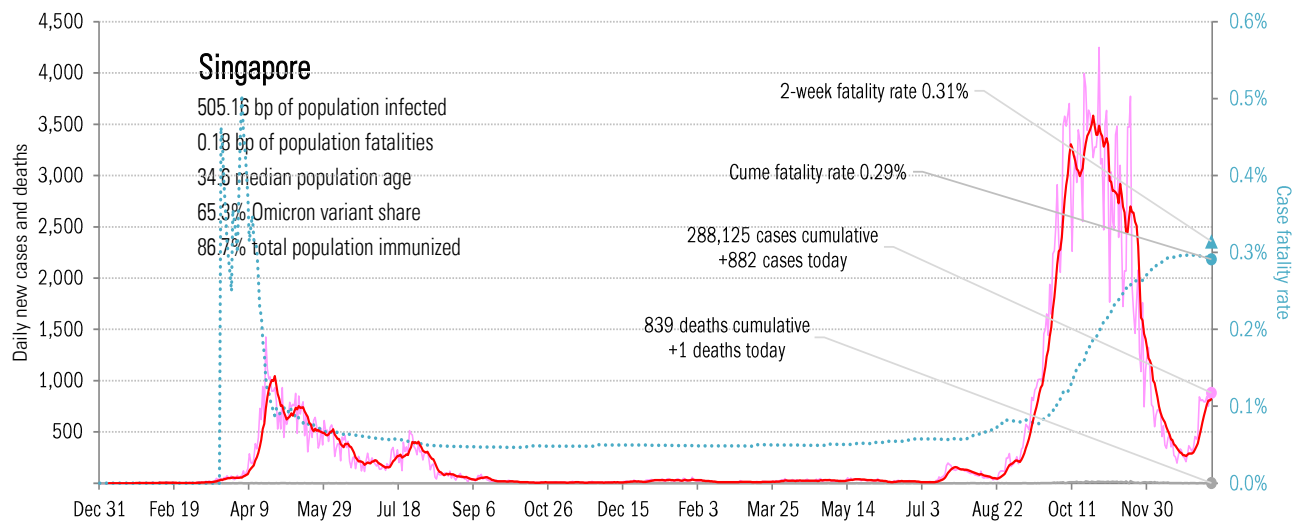
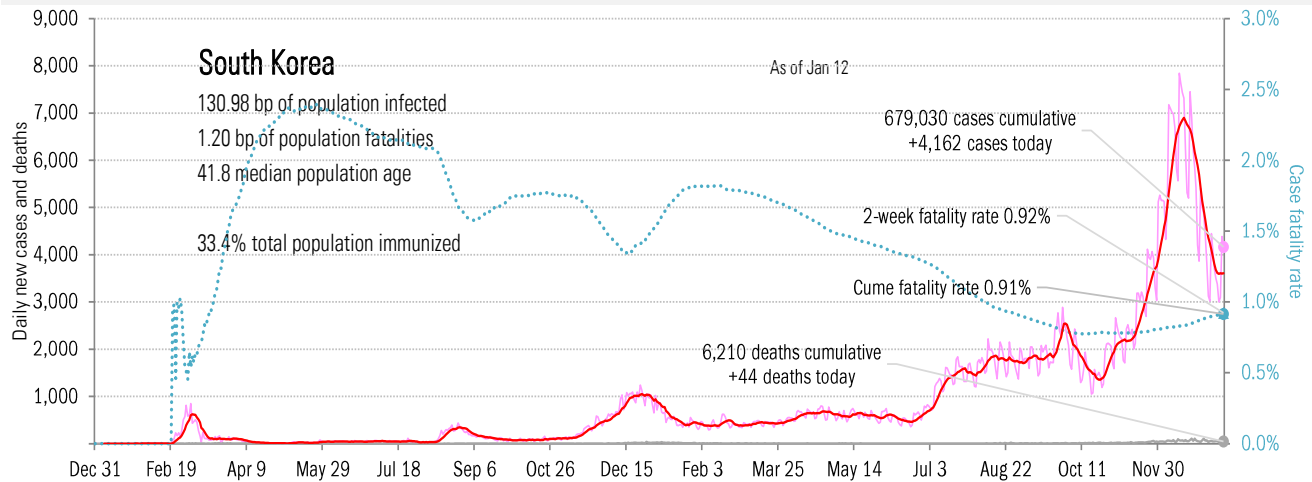
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

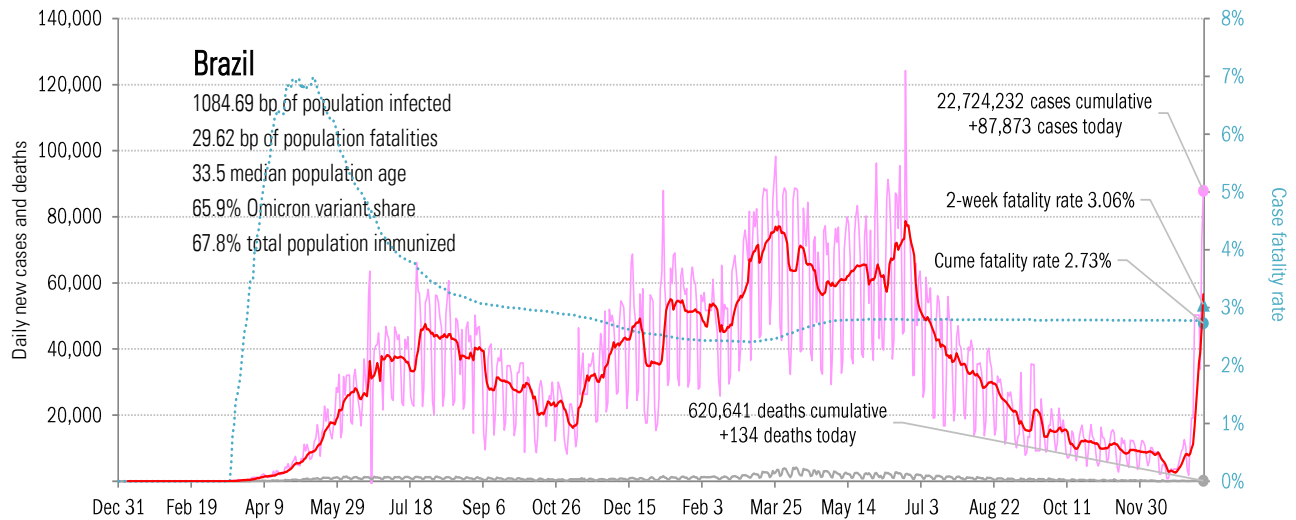
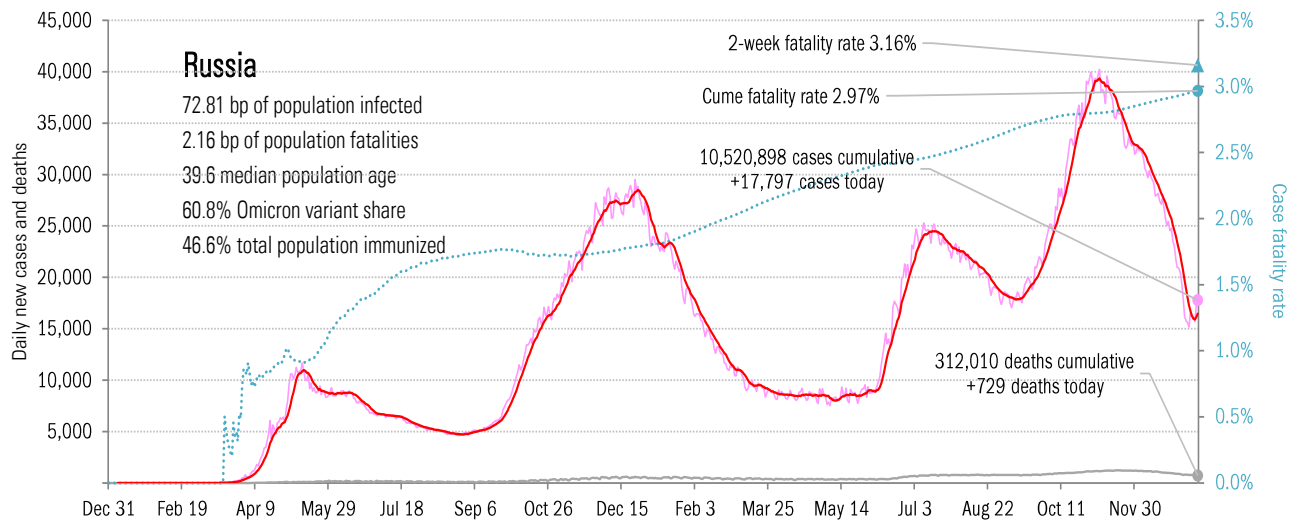
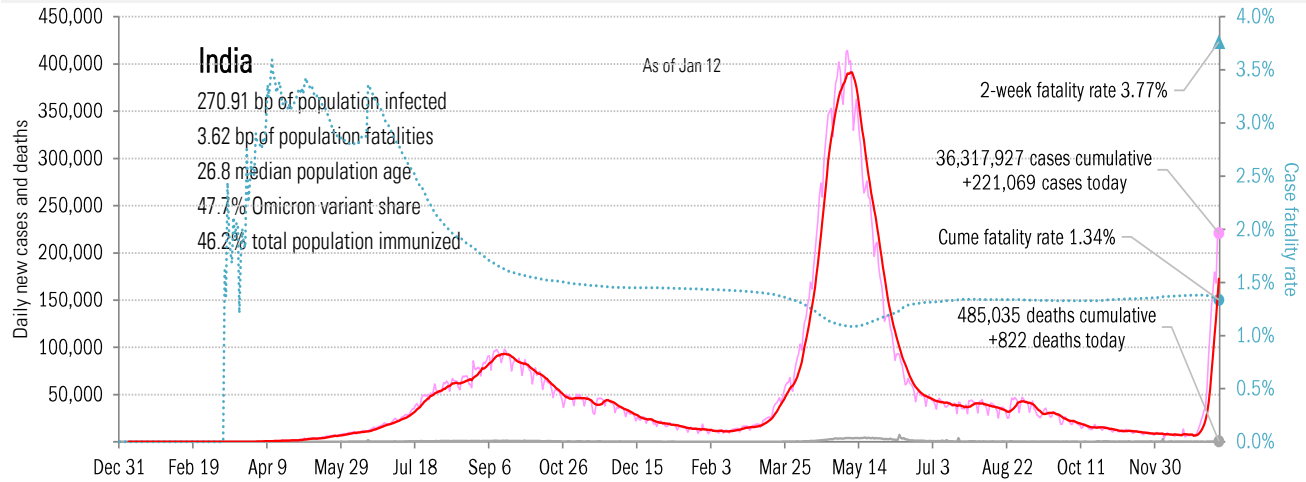
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

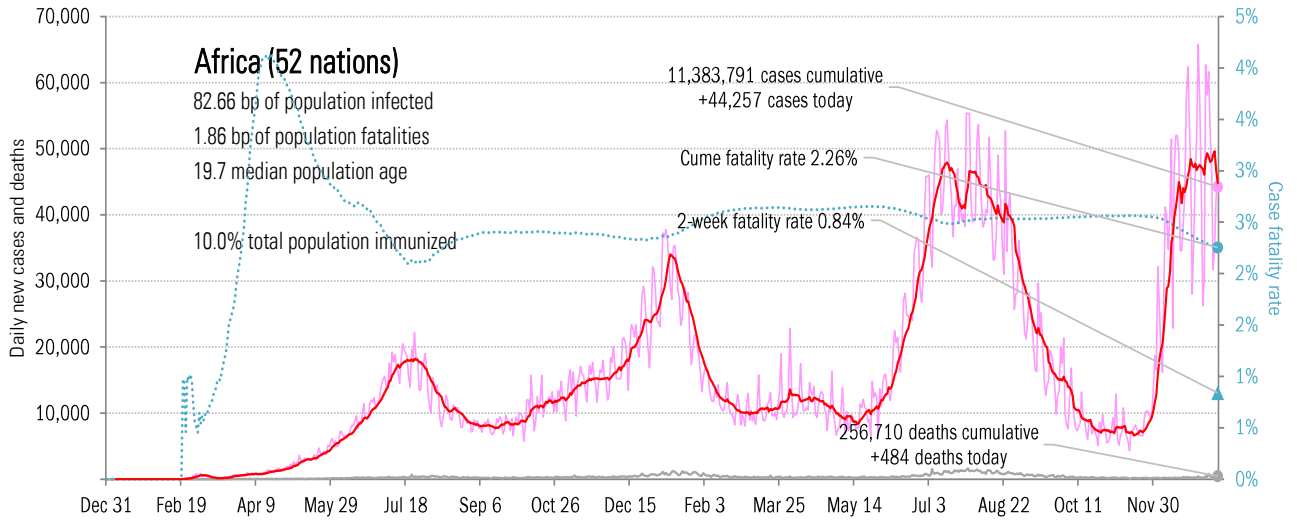
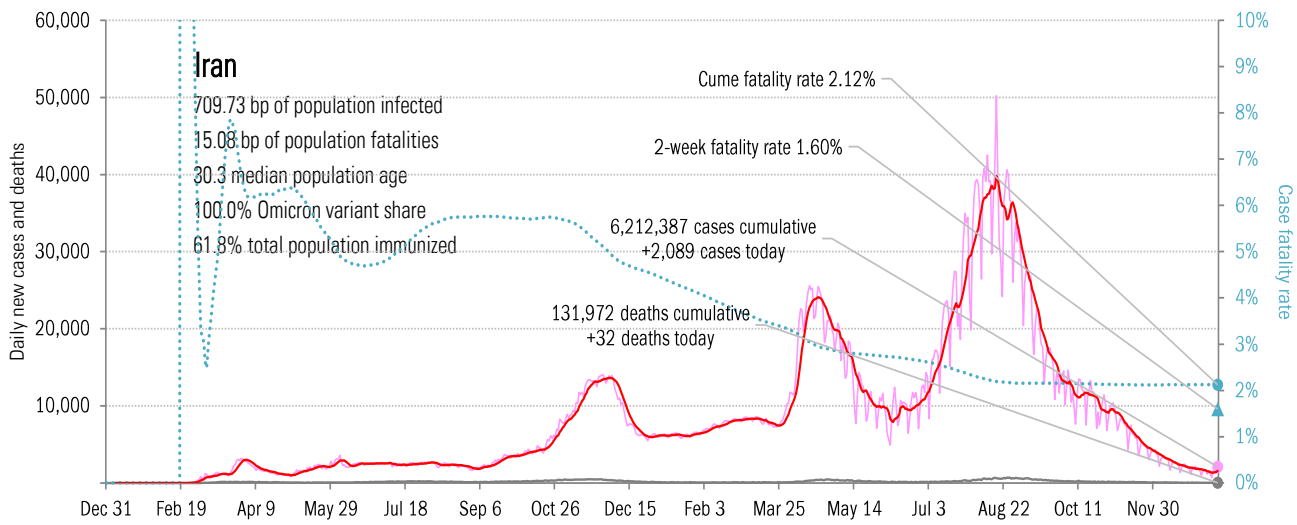
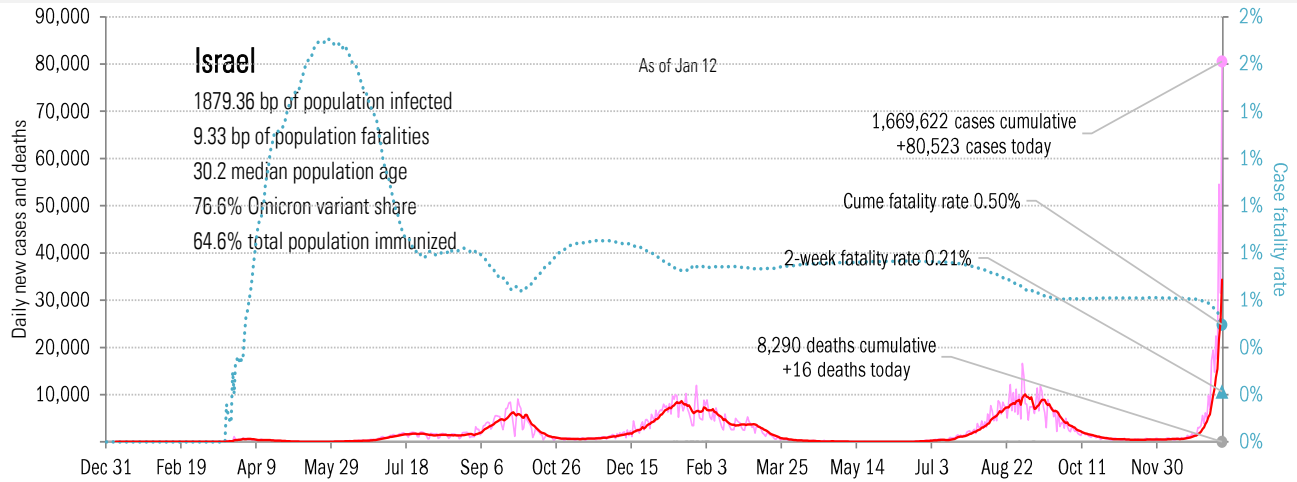
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

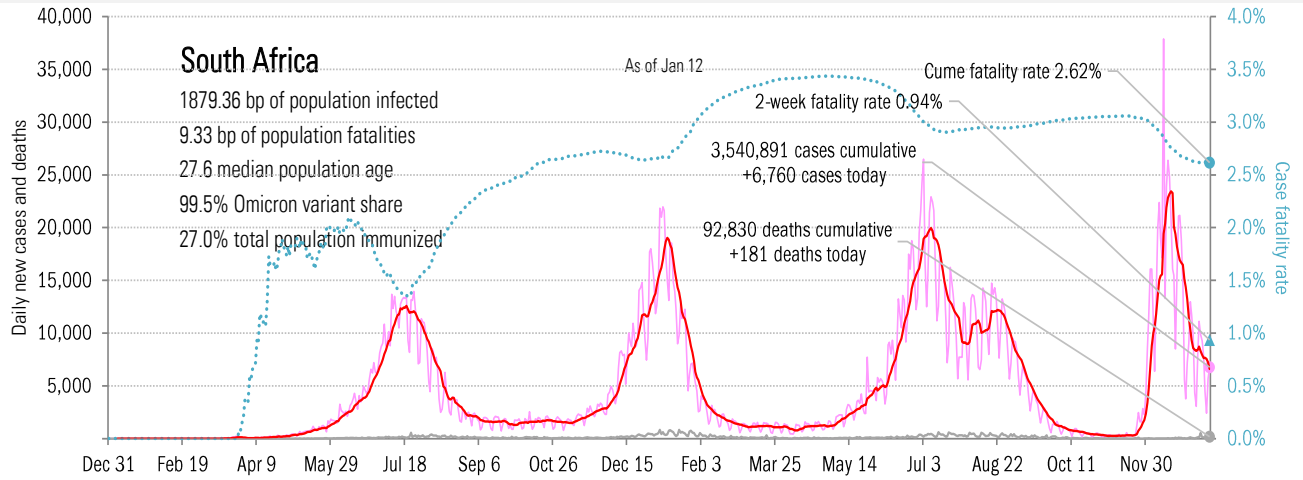
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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