

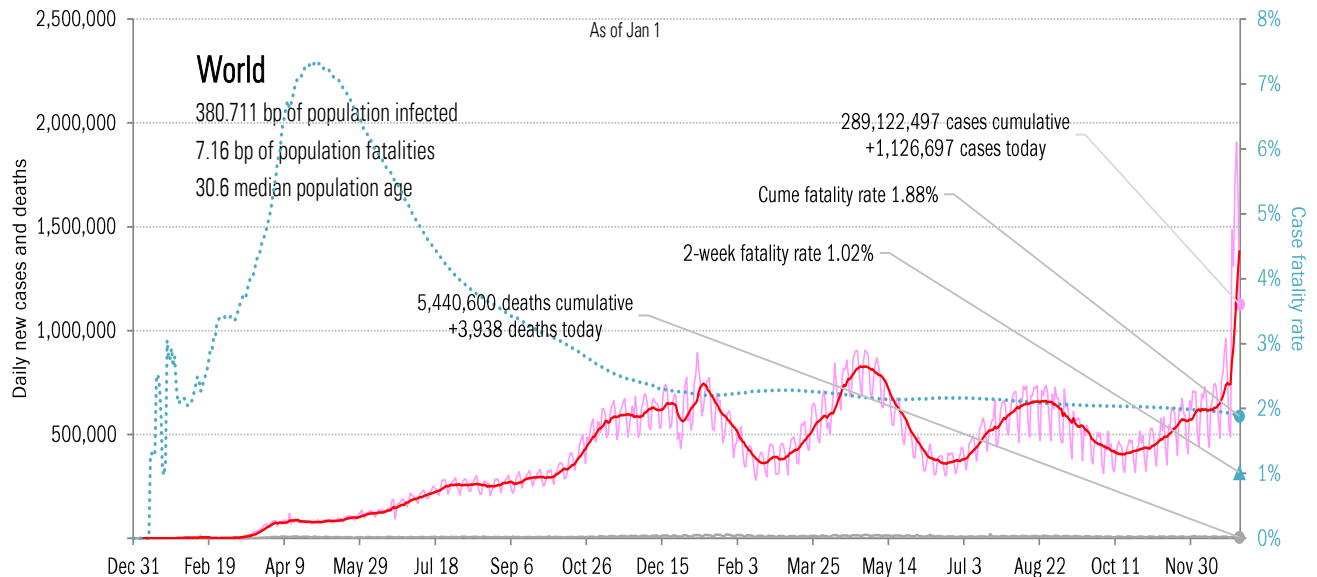
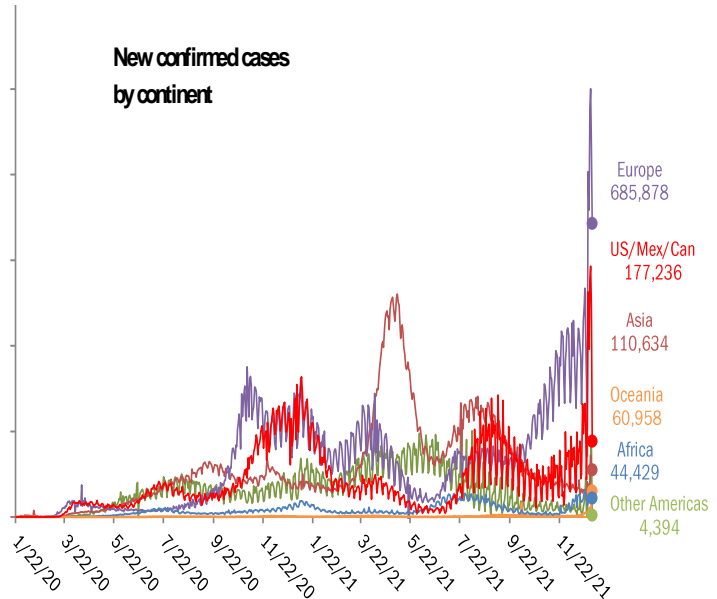
Data Insights: Covid-2019 Monitor

Sunday, January 2, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	219,126	Russia	825
United Kingdom	162,972	Poland	505
United States	159,152	United States	302
Italy	141,256	India	284
Australia	60,006	Vietnam	216
Turkey	36,731	Ukraine	212
India	27,553	United Kingdom	155
Portugal	23,290	Turkey	145
Ireland	23,281	Italy	111
Denmark	21,202	France	110
874,569		2,865	
World	1,126,697	World	3,938
Top ten	78%	Top ten	73%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

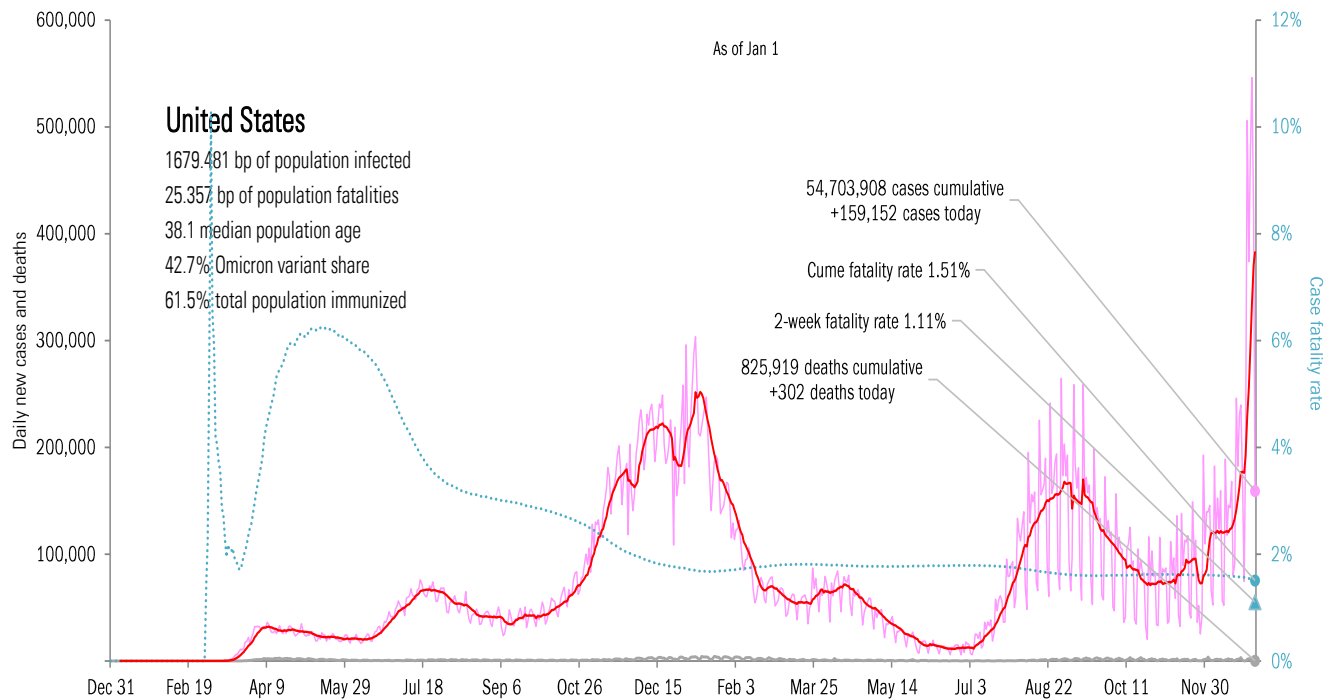
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
FL	43,168		AZ	125		FL	676		CA	5,515,250		CA	76,520		TX	403,126		RI	85%	NM	93%
NY	37,416		NY	77		TX	669		TX	4,585,629		TX	75,744		FL	337,595		MA	85%	RI	92%
NJ	32,391		TN	69		CA	603		FL	4,053,869		FL	62,607		CA	336,461		GA	84%	IN	89%
PA	23,189		AR	32		NY	531		NY	3,517,696		NY	59,585		NY	193,667		MN	84%	KY	88%
AZ	8,220		FL	22		NJ	364		IL	2,149,548		PA	36,714		GA	171,263		MD	84%	TX	88%
AR	4,155		NJ	16		GA	343		PA	2,059,613		GA	31,443		CH	155,933		WA	83%	CK	87%
TX	3,882		CH	13		PA	314		CH	2,016,095		IL	30,254		PA	144,124		PA	83%	MO	86%
DE	3,514		PA	9		IL	286		GA	1,839,879		CH	29,447		IL	127,084		MO	83%	NE	86%
H	2,710		H	4		CH	266		MI	1,710,325		NJ	29,053		KY	120,609		WV	82%	NH	85%
ND	451		FR	3		VA	227		NC	1,686,667		MI	29,020		MI	118,142		AZ	82%	AL	85%
159,096			370			4,279			29,134,571			460,387			2,108,004						
All states	159,152			302			6,479		All states	54,703,908			825,919			3,808,336		All states	70%		67%
Top ten	100%			122%			66%		Top ten	53%			56%			55%		Median	75%		80%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-58,829	CH	-641	CO	-126	PA	+20 bp
NY	-40,674	CA	-83	MT	-7	RI	+20 bp
GA	-23,438	FL	-82	UT	-3	FR	+20 bp
MA	-22,703	PA	-57	WY	-2	LA	+10 bp
CH	-20,572	MA	-52	V	-1	GA	+10 bp

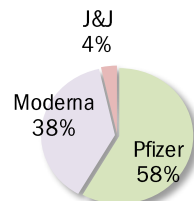


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Because of the New Years Day holiday, the CDC did not update its vaccine database.

Administered	Cumulative	Partial					
Doses	520,901,960	73.4%					
Boosters	69,843,701	75.9%					
		78.2%					
One dose	% Pop	Immune	% pop	New immune today	France	83.3%	
Total population	249,513,525	75%	210,949,398	63%	+0.175 million	Spain	84.8%
Age 12 to 17	15,176,486	64%	12,765,868	54%	+0.015 million	Germany	73.5%
Age 18 to 64	168,874,428	83%	143,479,478	71%	+0.074 million	Italy	80.1%
Age 65 and over	57,700,736	100%	49,630,282	91%	+0.007 million	Australia	79.3%
						Israel	70.6%
						Canada	83.3%
						Japan	79.7%
						Africa	14.1%
						India	60.5%
						Brazil	77.7%
						China	87.2%



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

Every American >18 immunized in **581 days** by Aug 2, 2023
 74.8% of population >18 immunized
 19.1% previously tested positive
93.9% vs 60% adult herd immunity

Country	Partial	Immune
France	83.3%	78.2%
Spain	84.8%	73.5%
Germany	73.5%	80.1%
Italy	80.1%	79.3%
Australia	79.3%	70.6%
Israel	70.6%	83.3%
Canada	83.3%	79.7%
Japan	79.7%	14.1%
Africa	14.1%	60.5%
India	60.5%	77.7%
Brazil	77.7%	87.2%
China	87.2%	

AK
65.0%
56.3%

WI
68.2%
62.0%

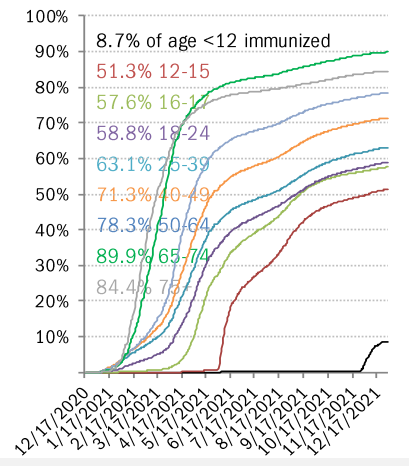
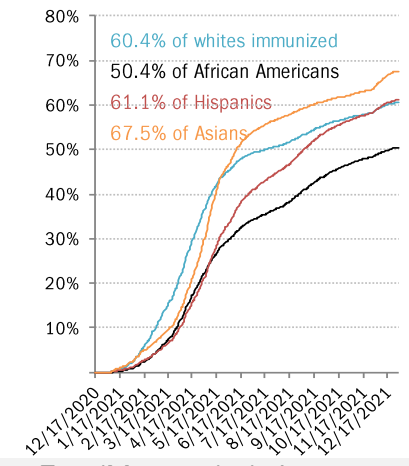
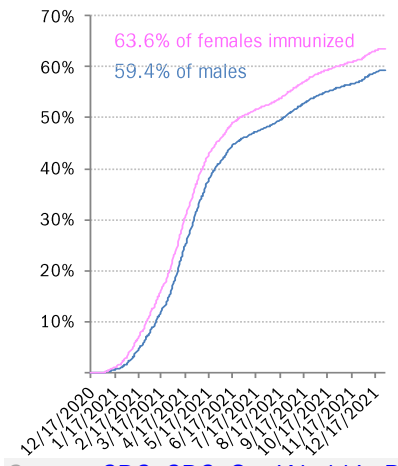
As of Dec 30

ME
85.9%
75.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
75.7%	52.1%	62.1%	62.2%	71.4%	72.0%	63.5%	84.0%	89.3%	95.0%	
67.9%	46.2%	54.0%	52.6%	65.4%	64.0%	56.8%	71.8%	77.4%	67.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
74.0%	69.5%	55.9%	70.9%	64.9%	57.9%	60.4%	78.2%	83.7%	90.6%	
66.5%	56.4%	47.5%	57.1%	59.0%	52.0%	55.2%	63.9%	70.5%	74.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.7%	67.4%	74.6%	66.4%	62.3%	62.5%	61.9%	79.0%	80.4%	88.6%	89.0%
66.1%	58.8%	66.2%	59.9%	53.0%	54.2%	55.1%	68.0%	70.4%	74.6%	76.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	67.3%	80.7%	69.3%	62.7%	58.7%	76.4%	62.8%	88.5%	76.7%	
	57.0%	66.2%	57.0%	51.2%	51.4%	56.7%	53.1%	67.6%	64.2%	
			OK	LA	MS	AL	GA			
			66.0%	57.4%	55.3%	58.5%	61.3%			
			53.5%	50.3%	48.1%	47.6%	51.1%			
			TX					FL		PR
			66.8%					74.5%		88.9%
			57.0%					63.4%		77.0%

HI
88.2%
63.6%

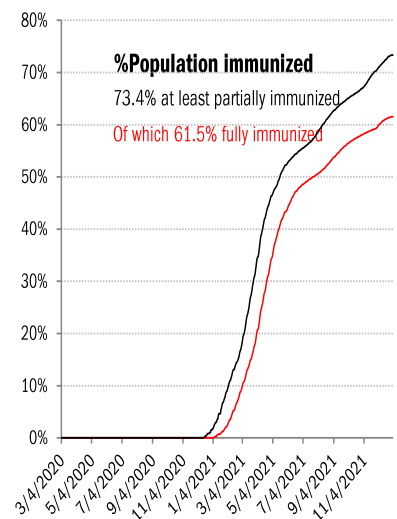
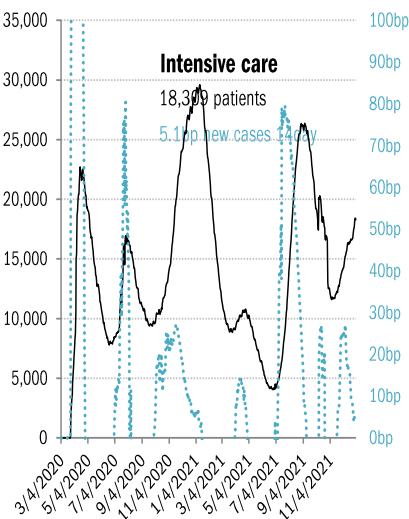
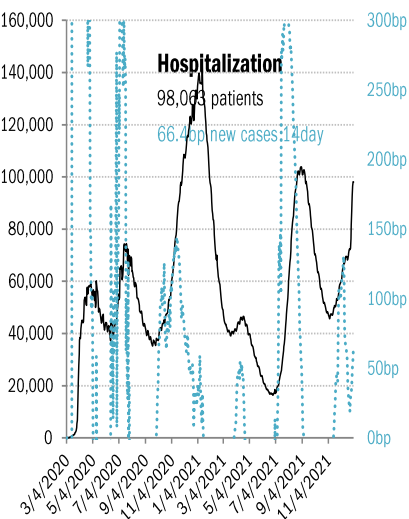
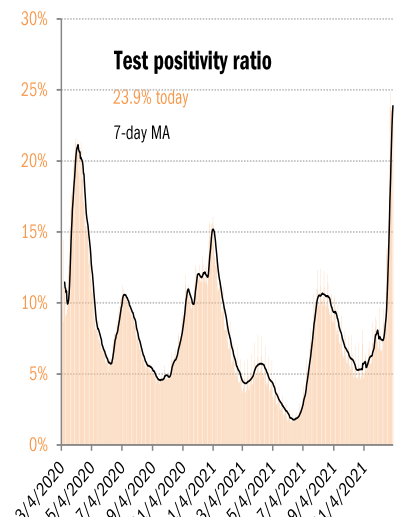
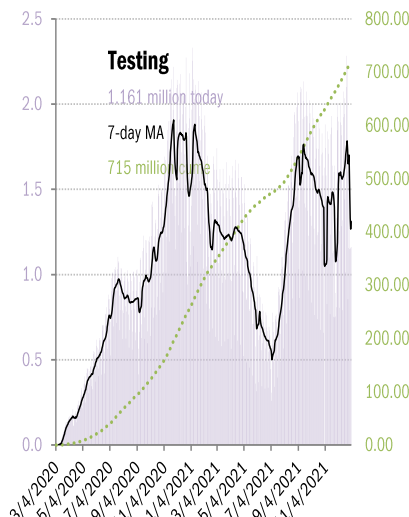
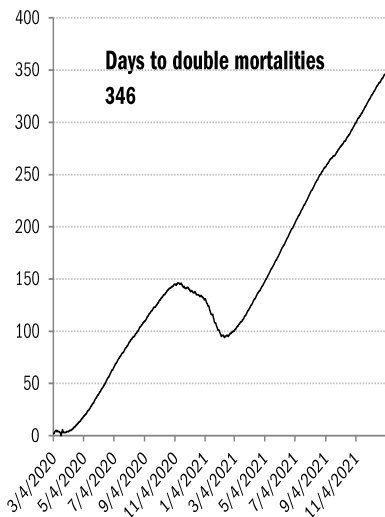
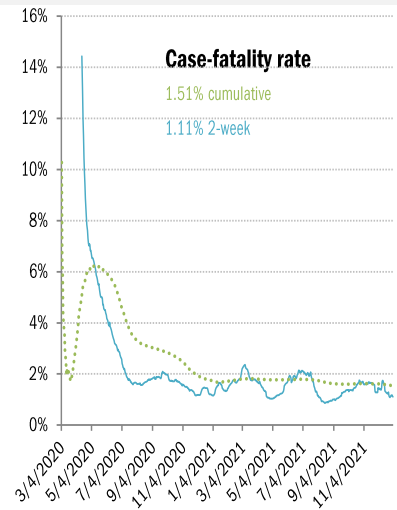
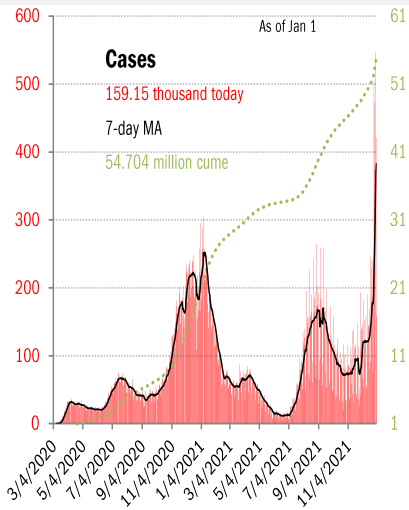
The demographics of US vaccination



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

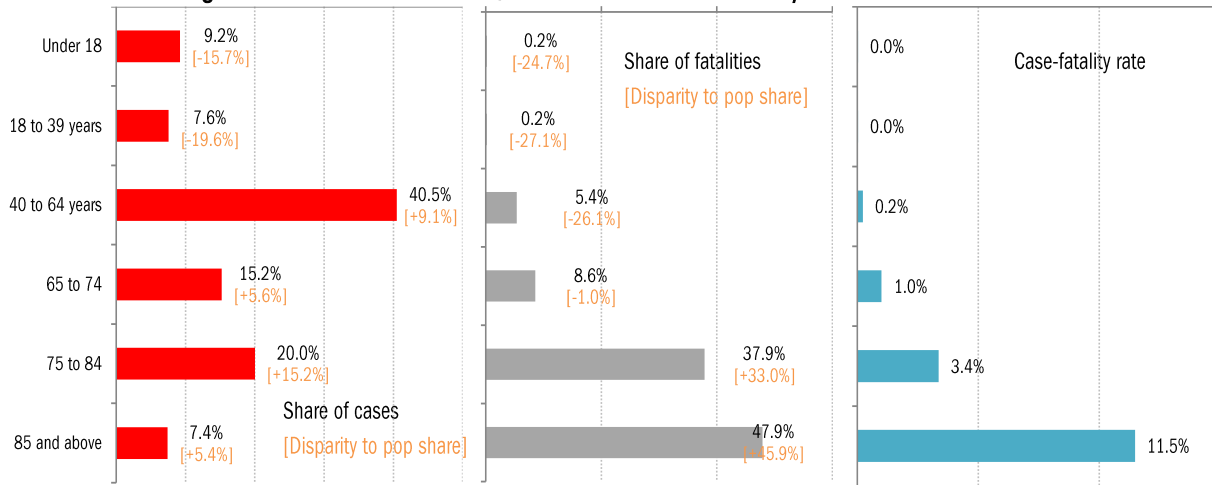
US deep-dive

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

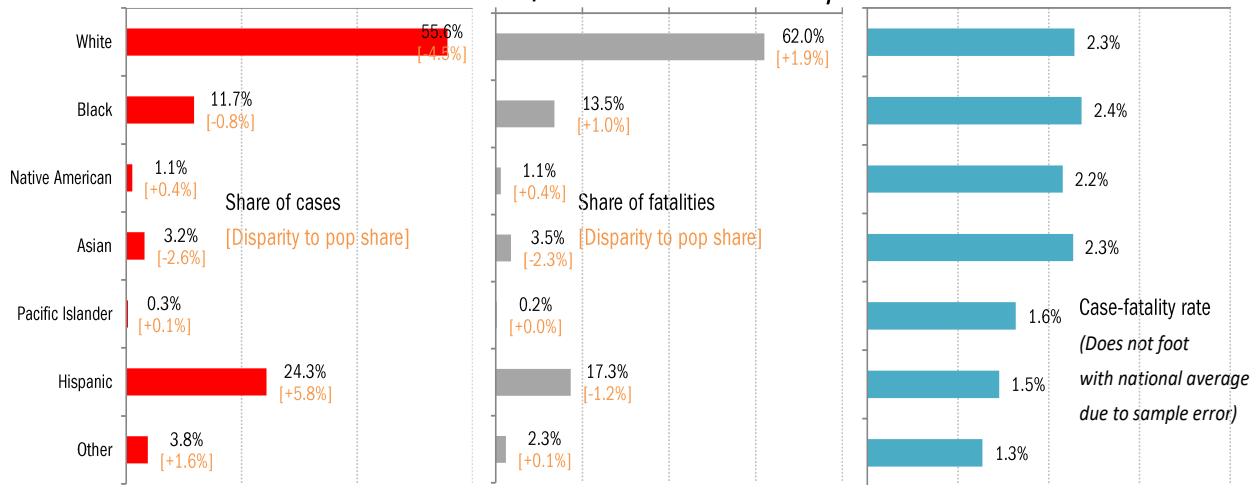


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

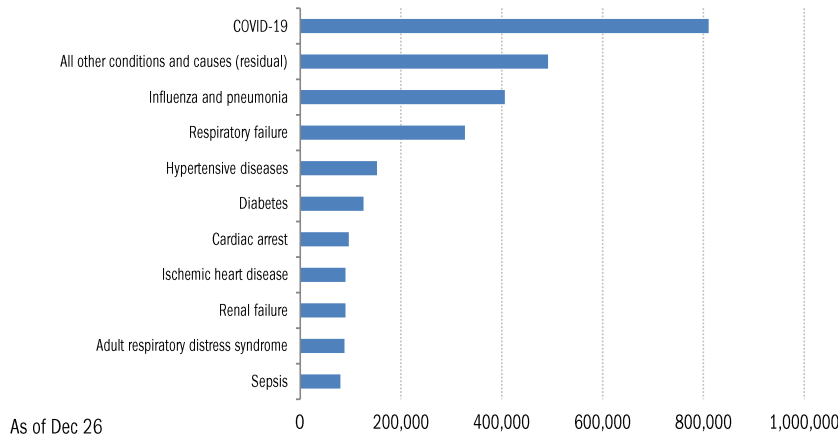


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Want a Covid Test With Your Viagra?](#)

Alyson Krueger
New York Times
January 1, 2022

Meme of the day

I know being vaccinated doesn't stop transmission...



...but I'll continue to pretend it does...



...so when I go out and do things I don't feel any personal guilt...



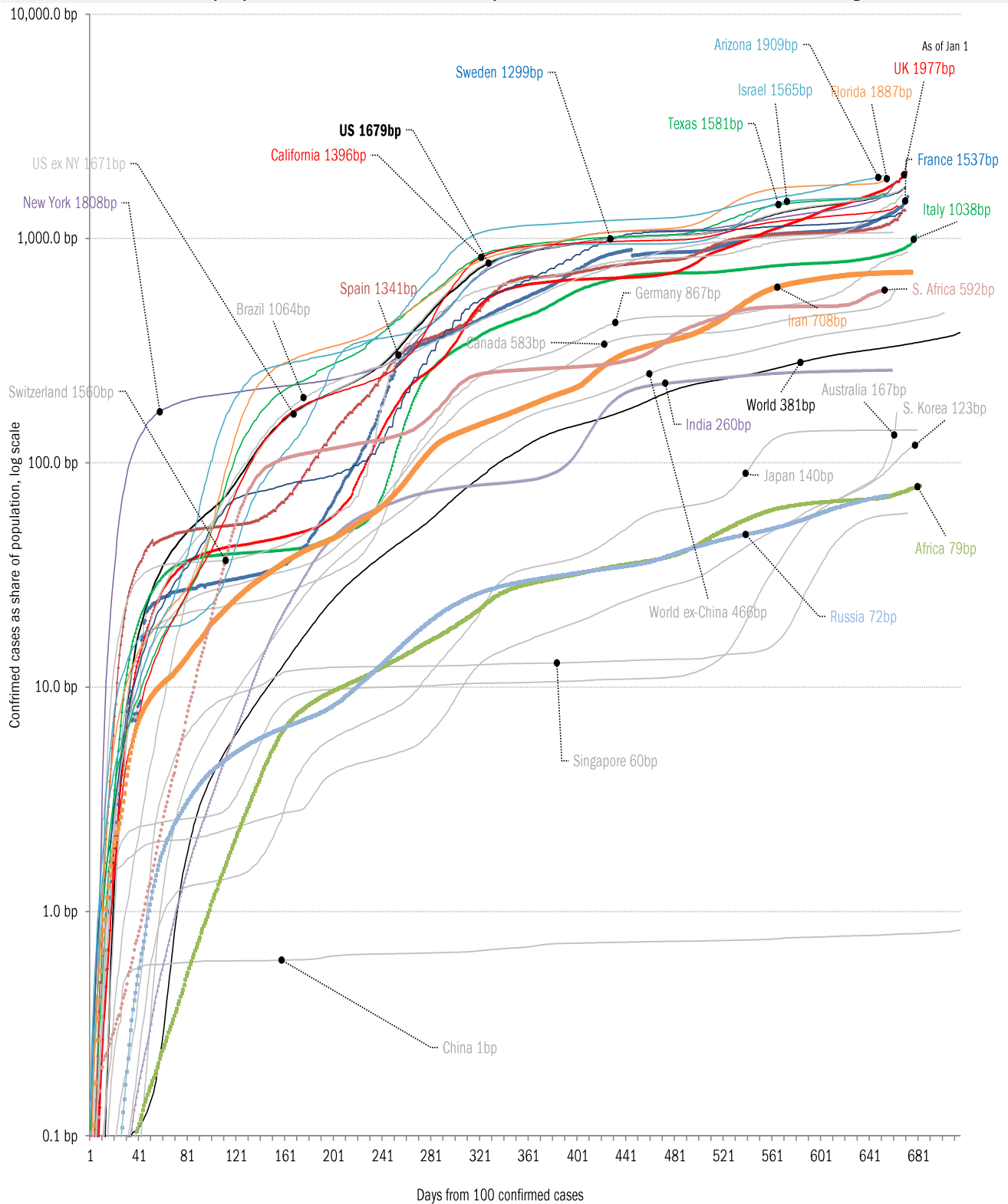
...then I can blame the unvaccinated when others get Covid.



[imgflip.com](#)

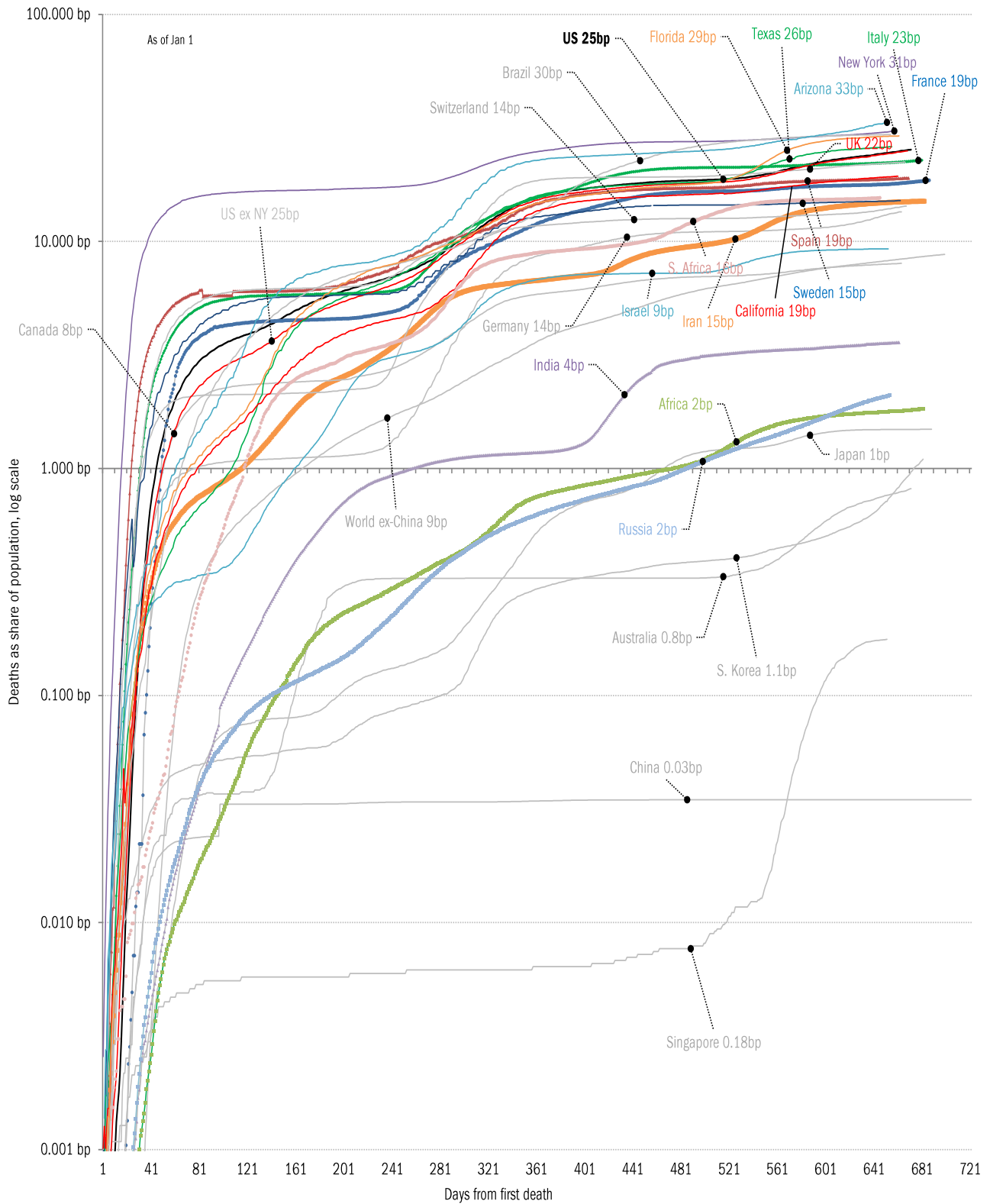
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

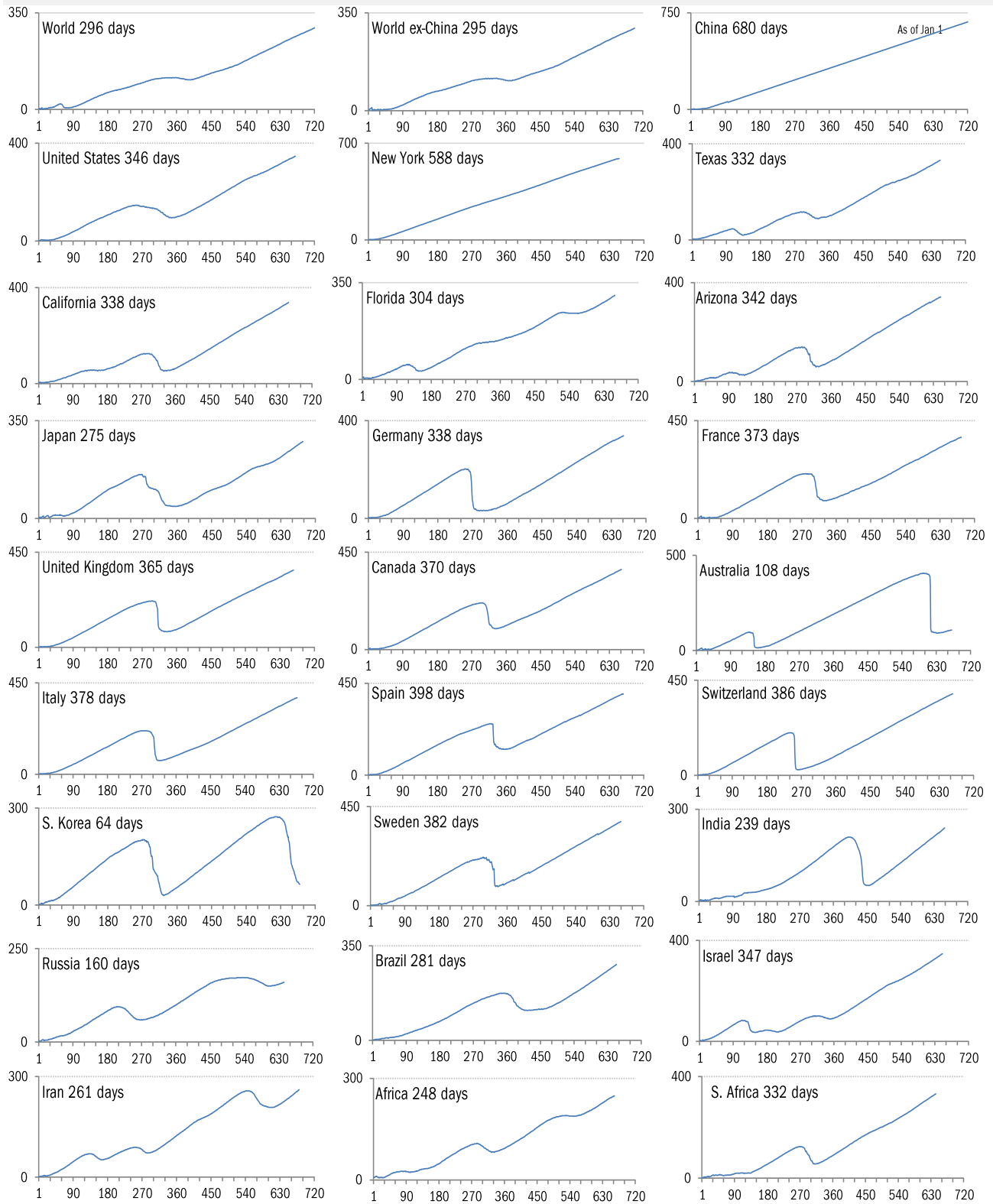


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

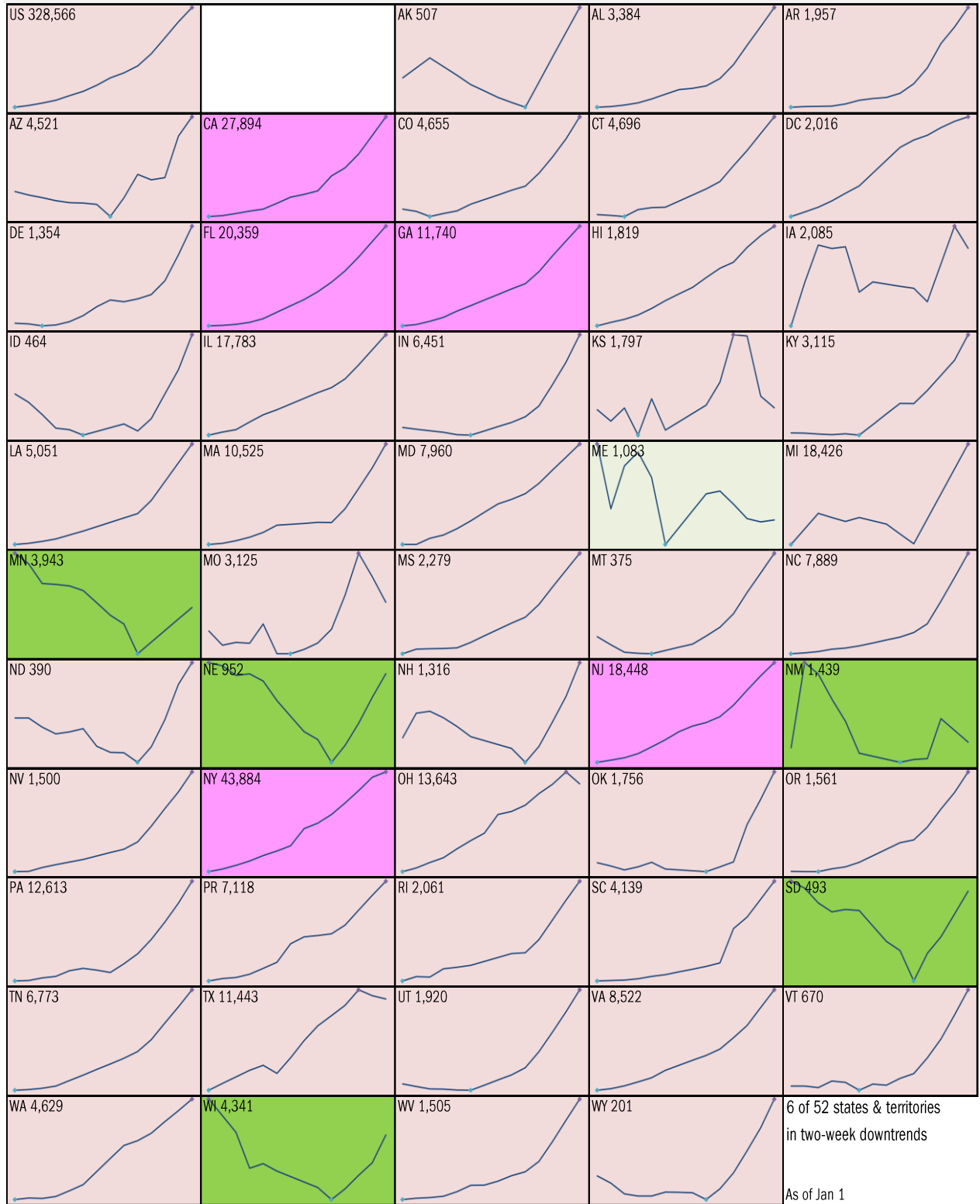
Vertical: days to double deaths Horizontal: days from first death

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

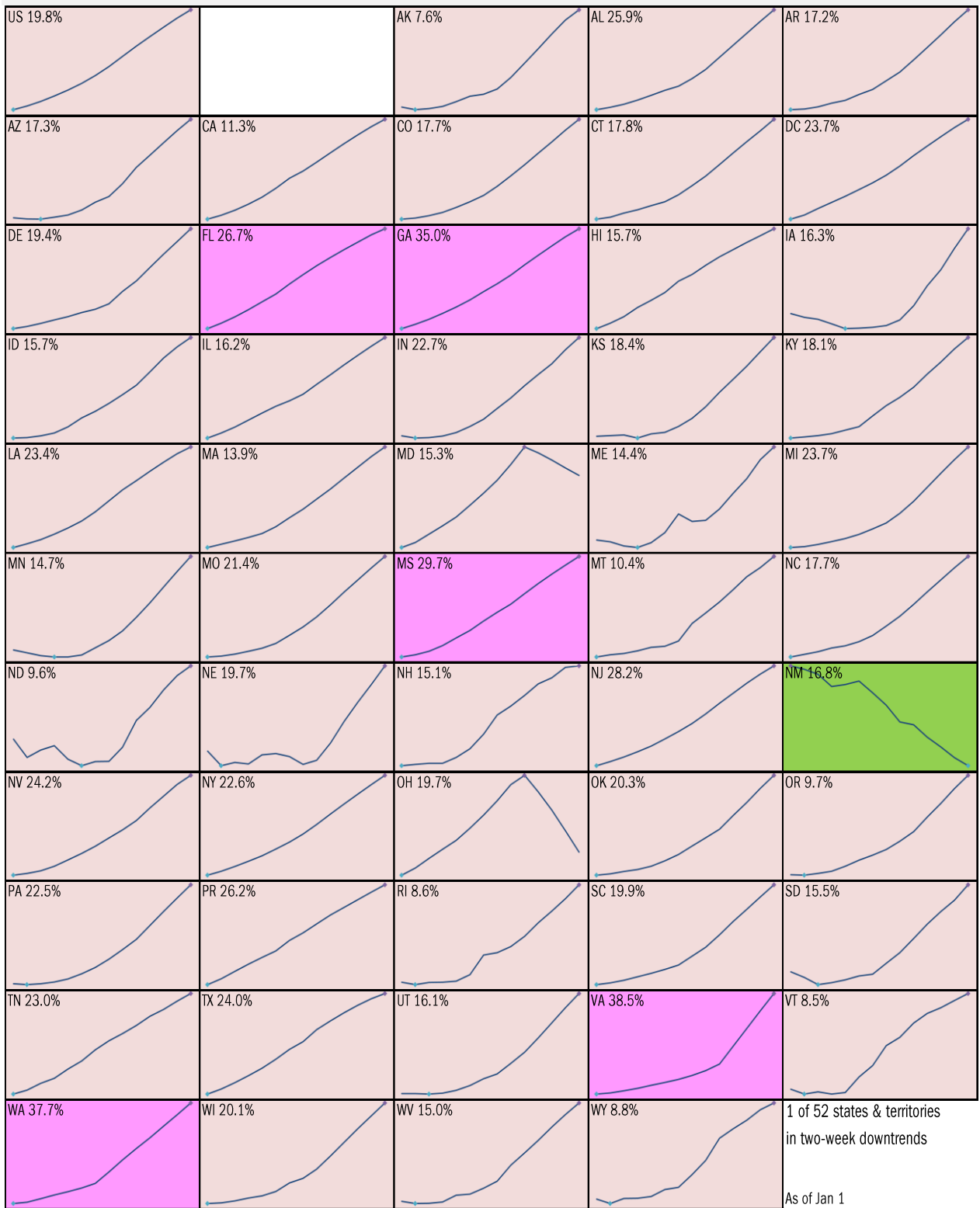


Source: [Johns Hopkins](#), TrendMacro calculations

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

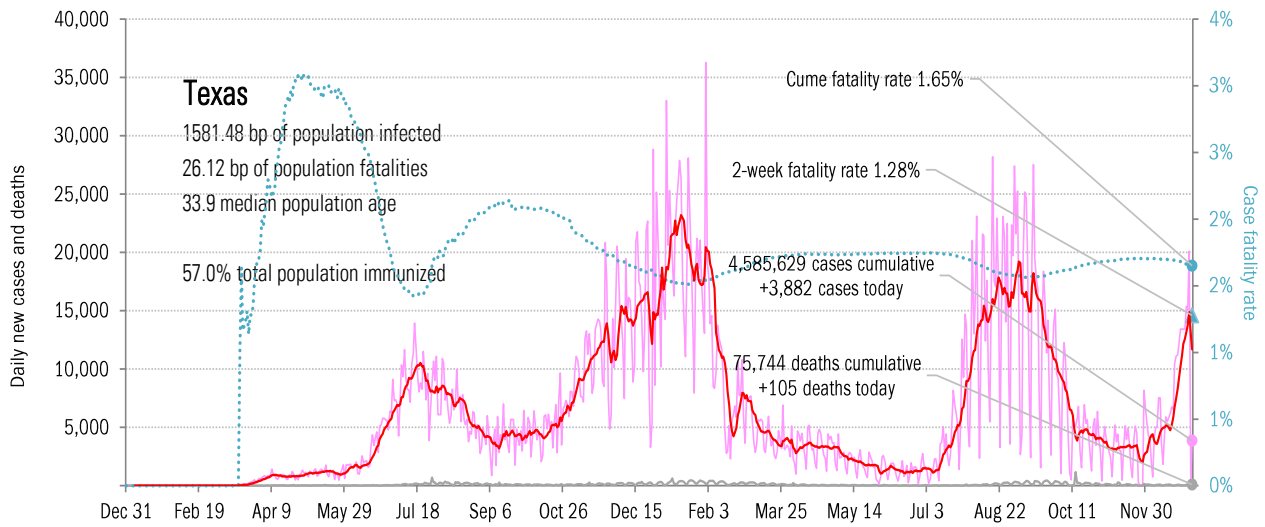
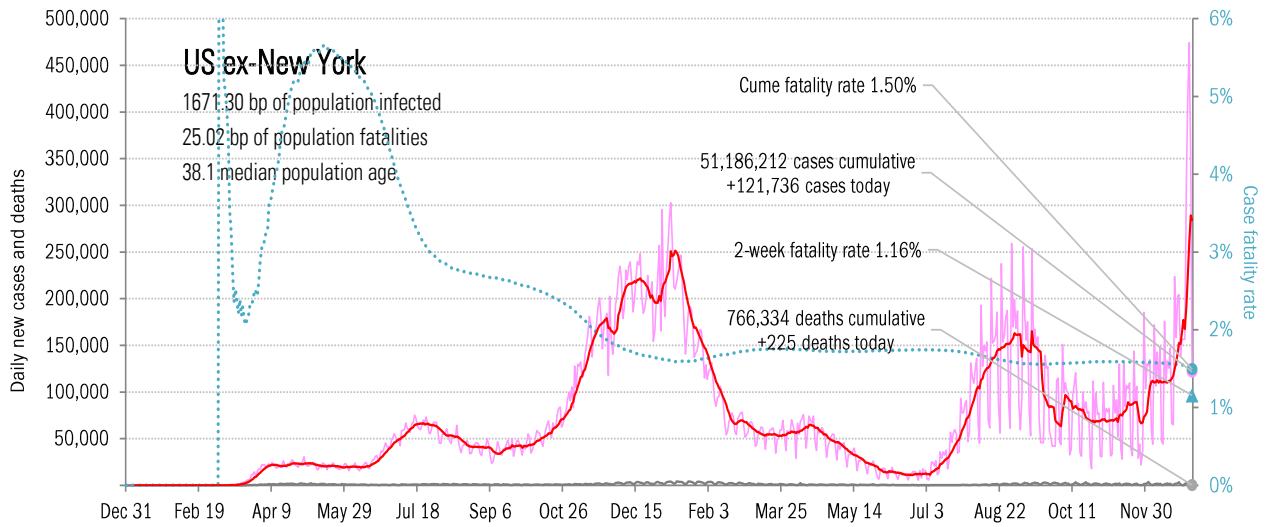
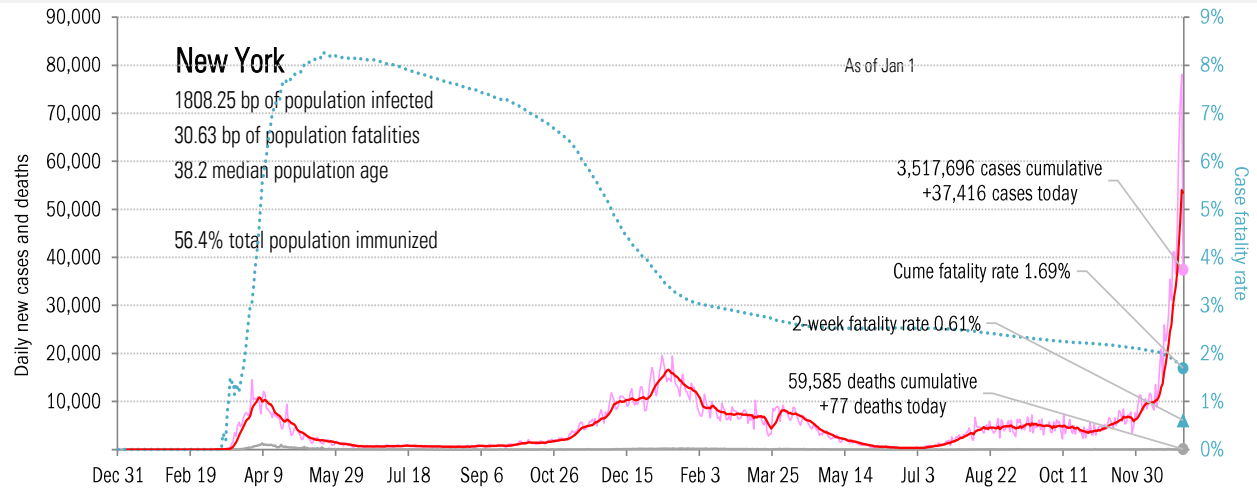
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

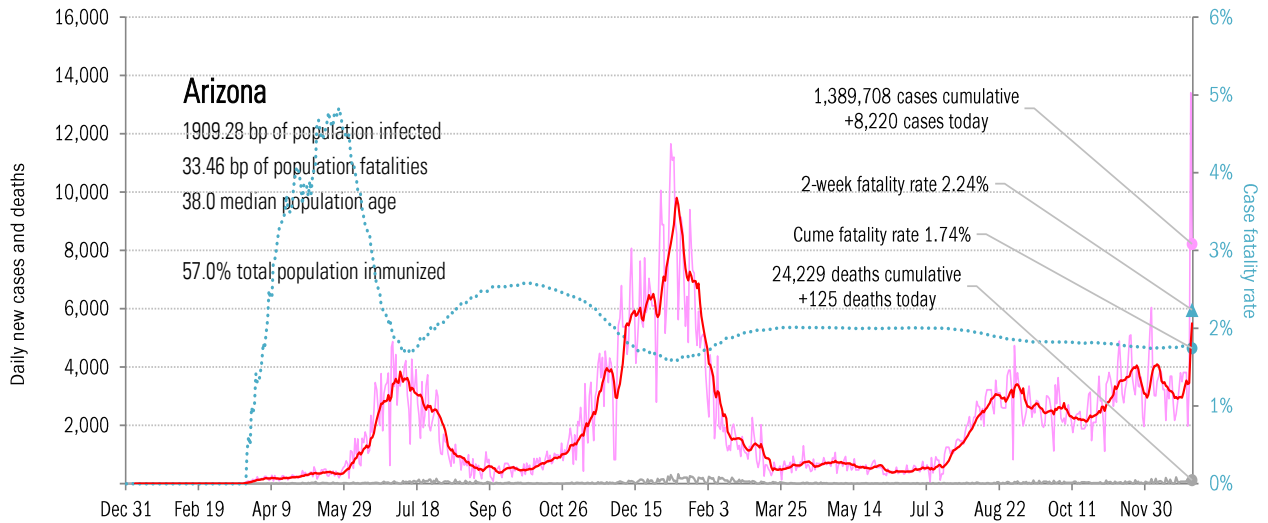
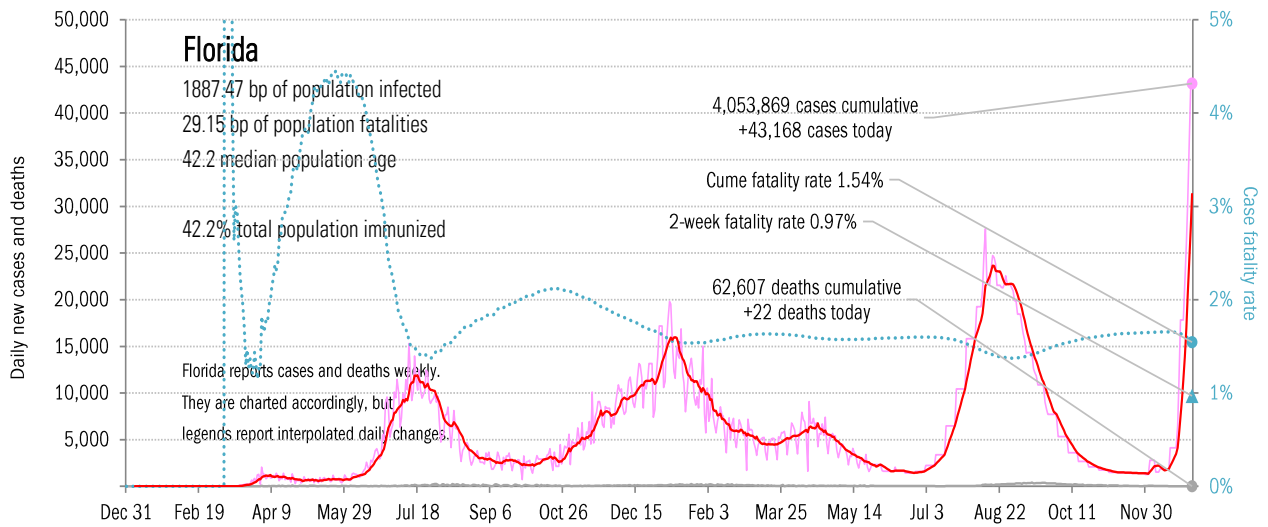
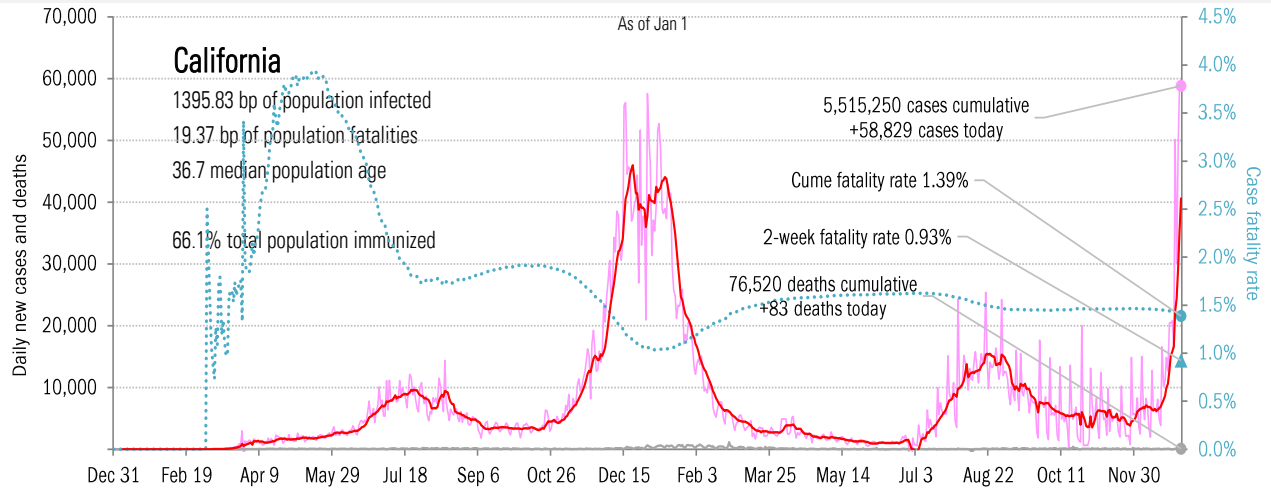
Cases: 7-day average and daily Deaths: Daily



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

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

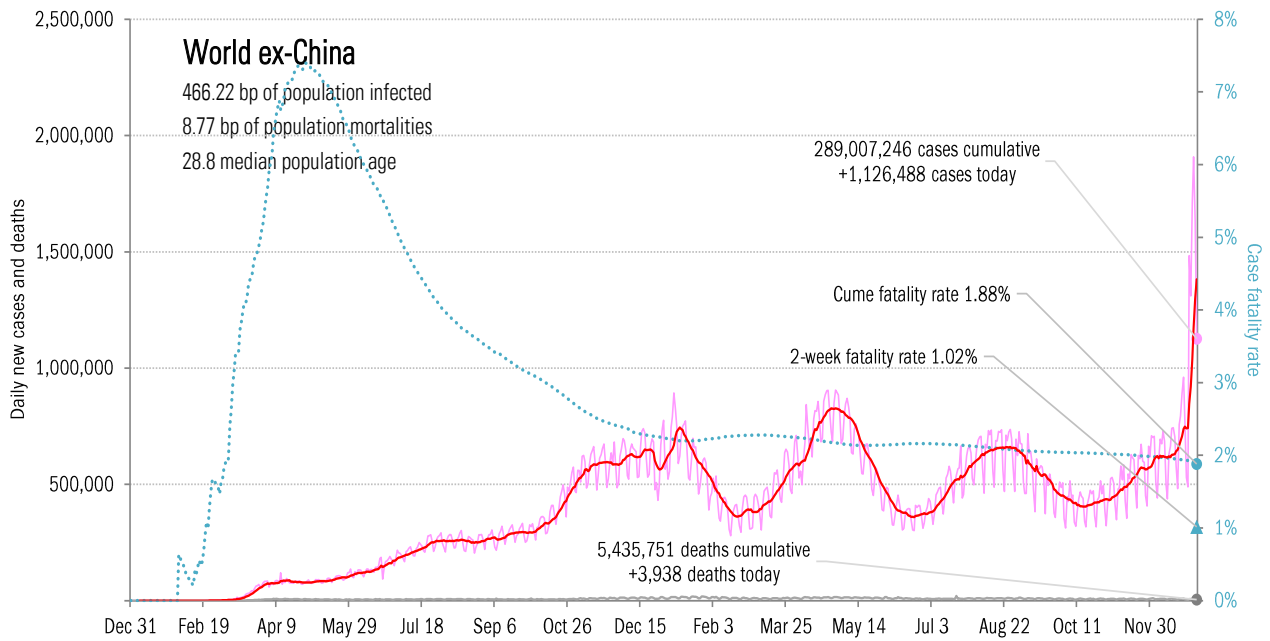
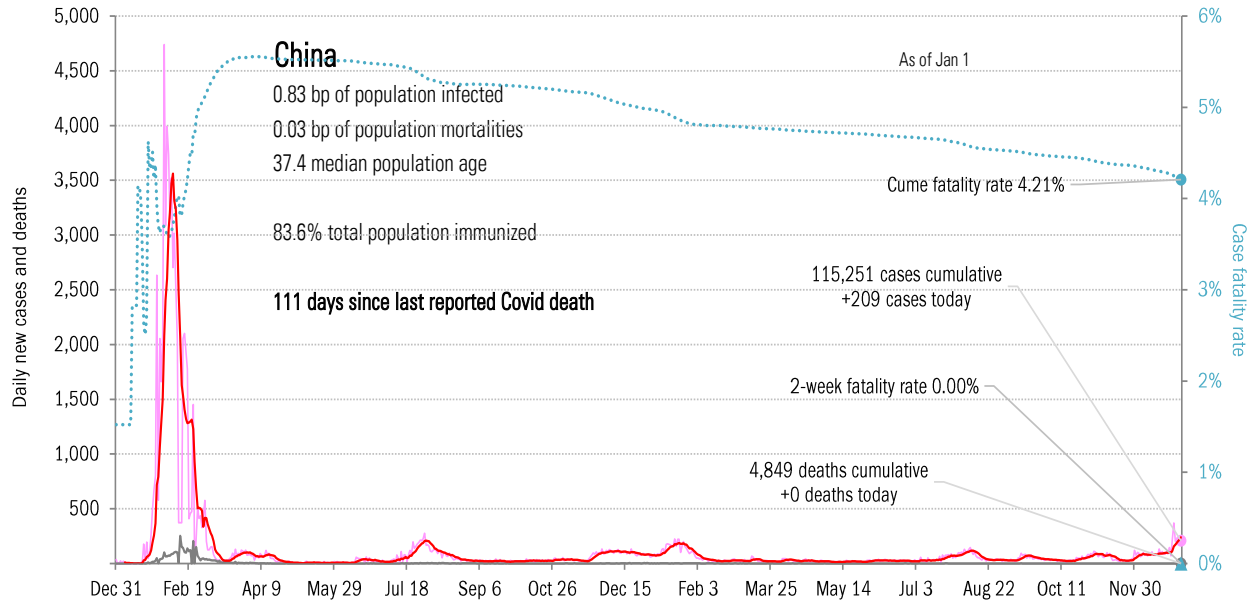
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

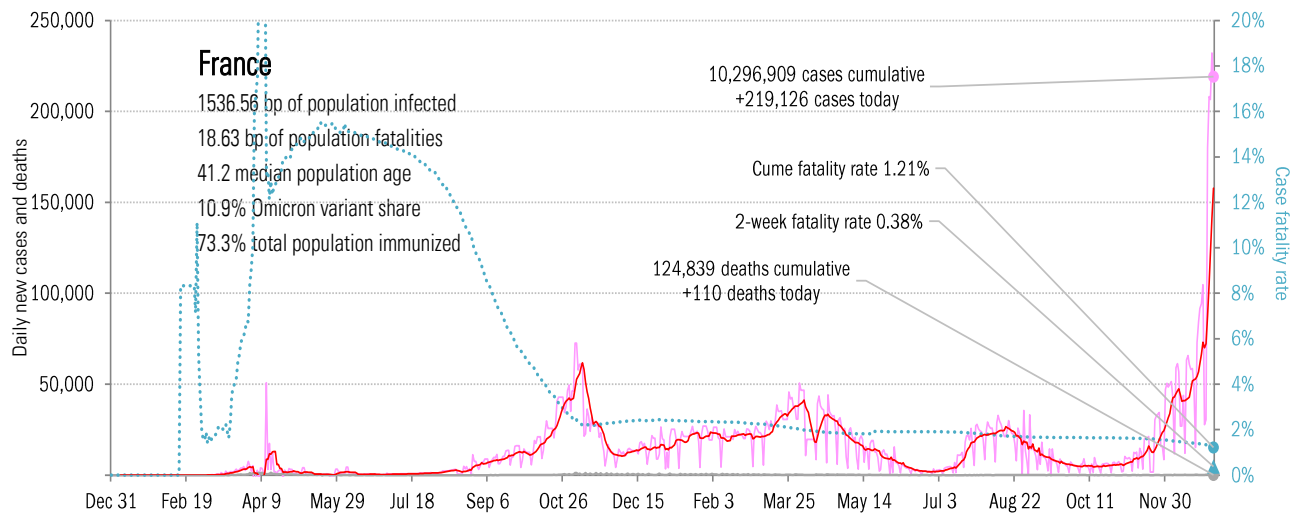
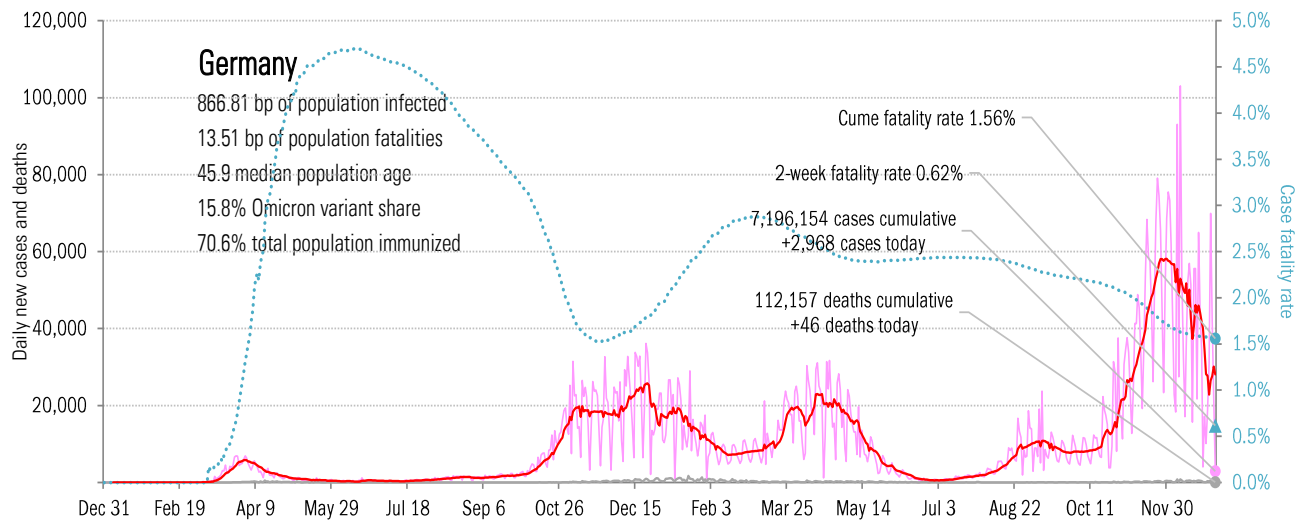
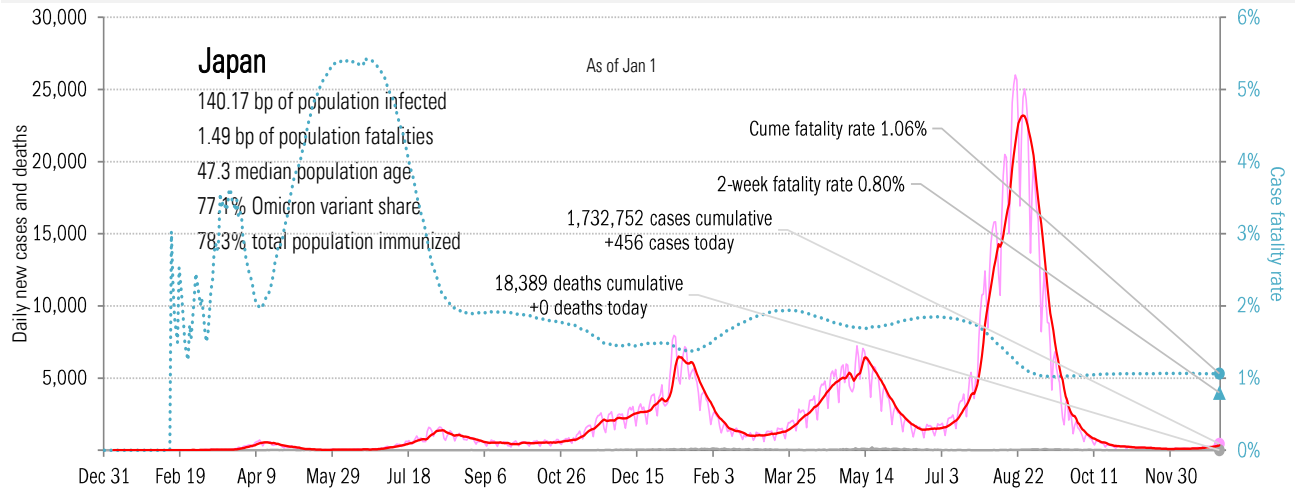
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

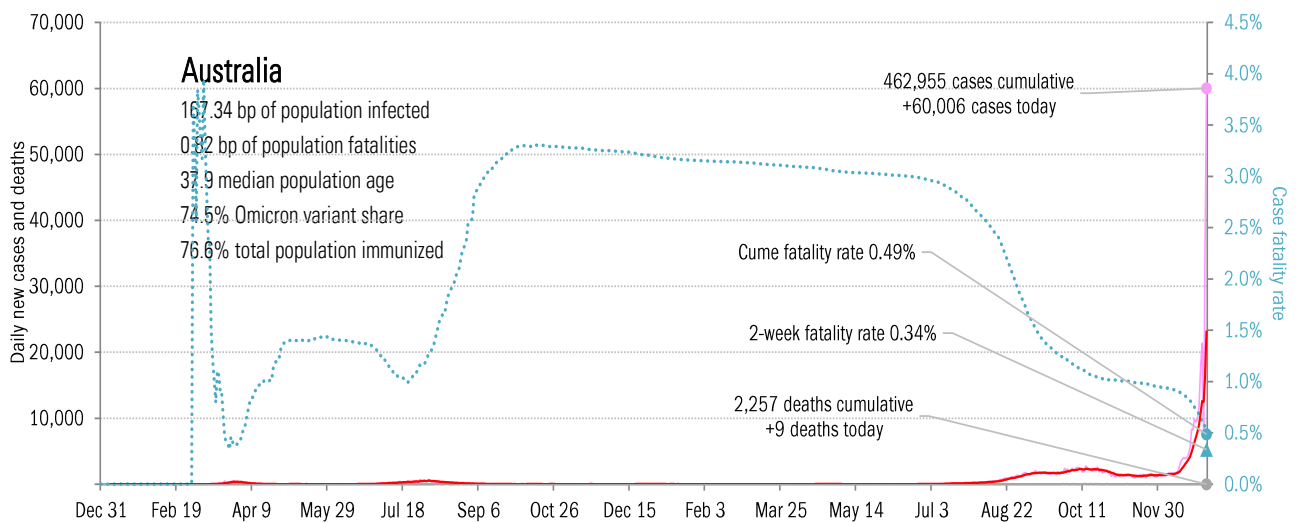
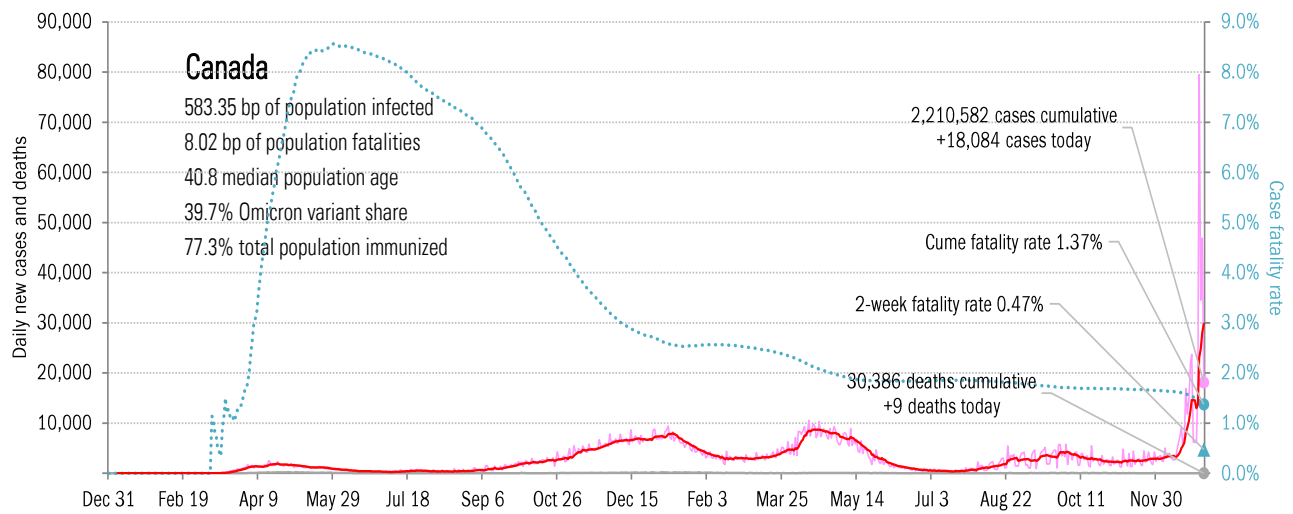
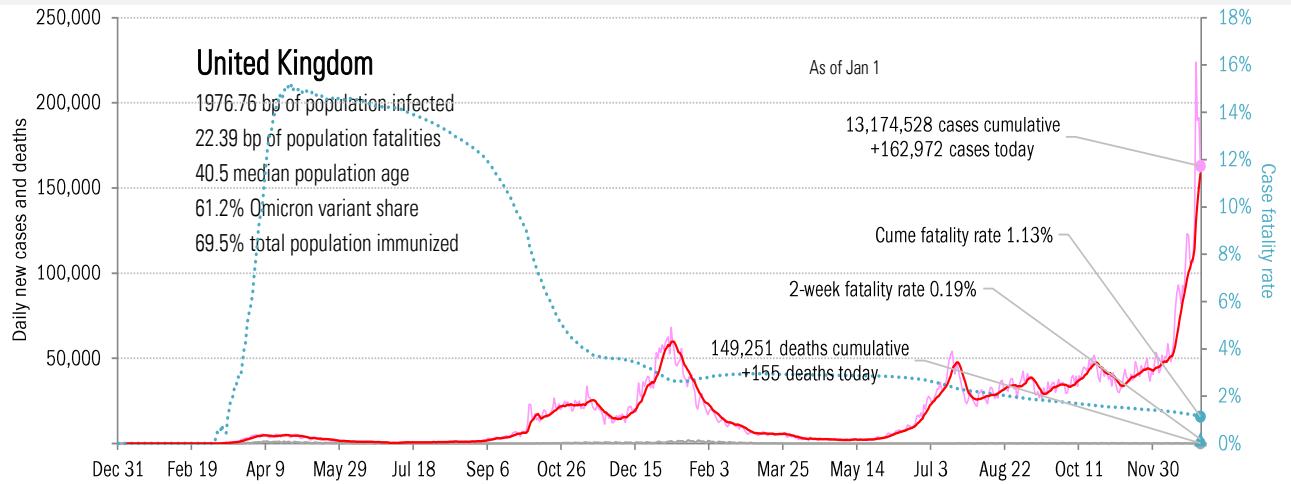
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

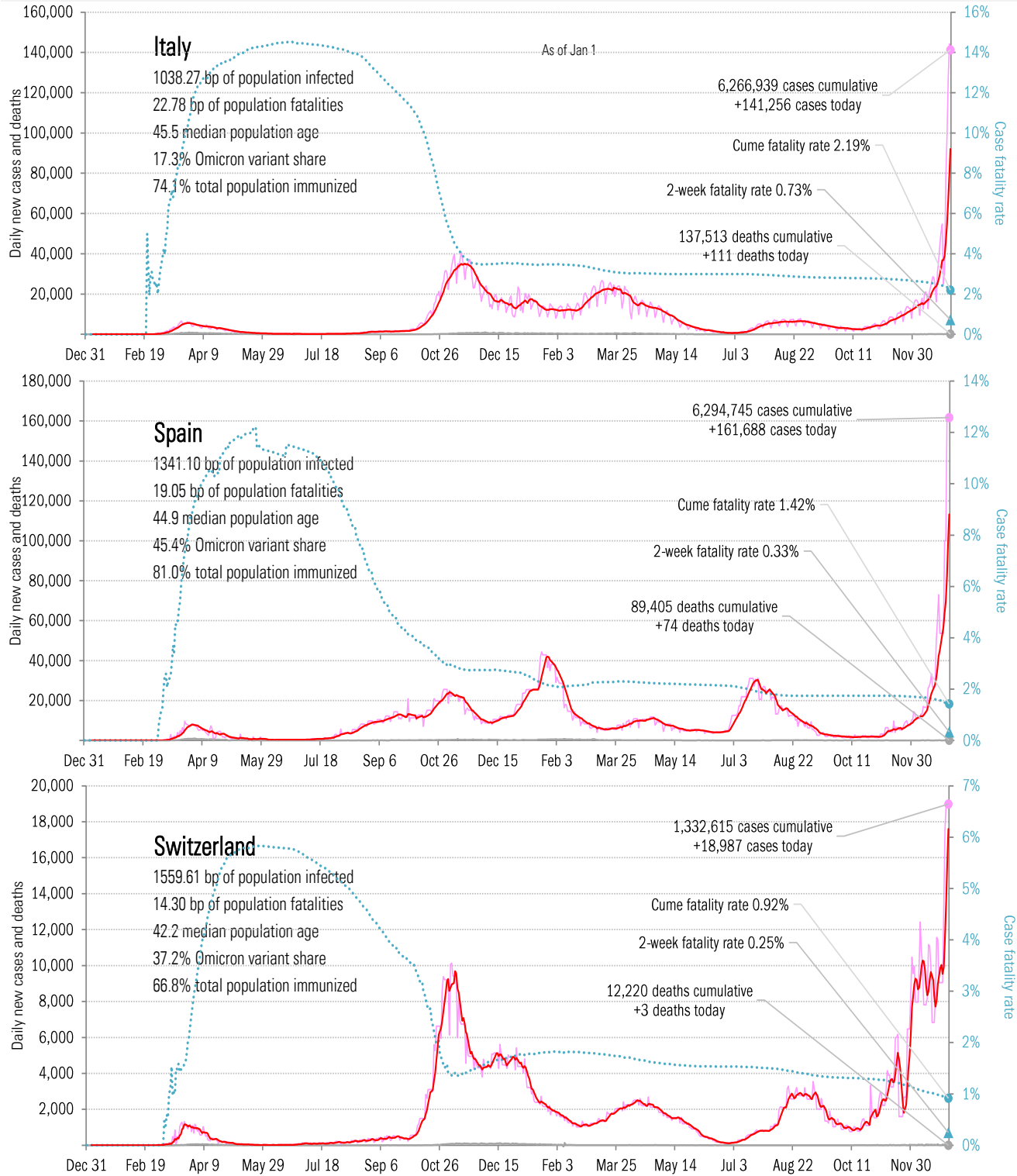
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

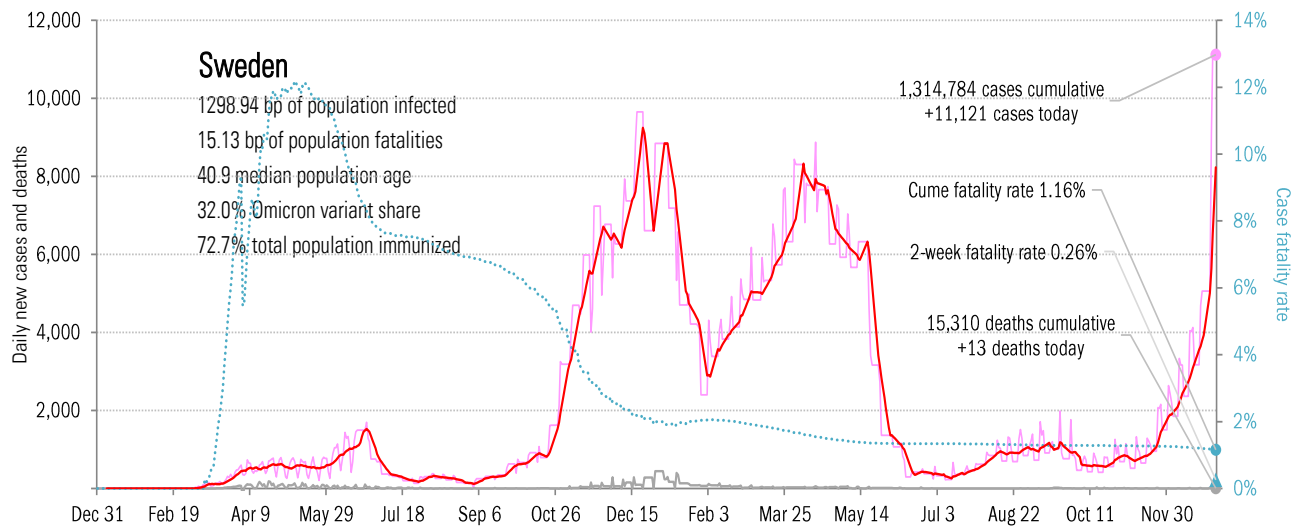
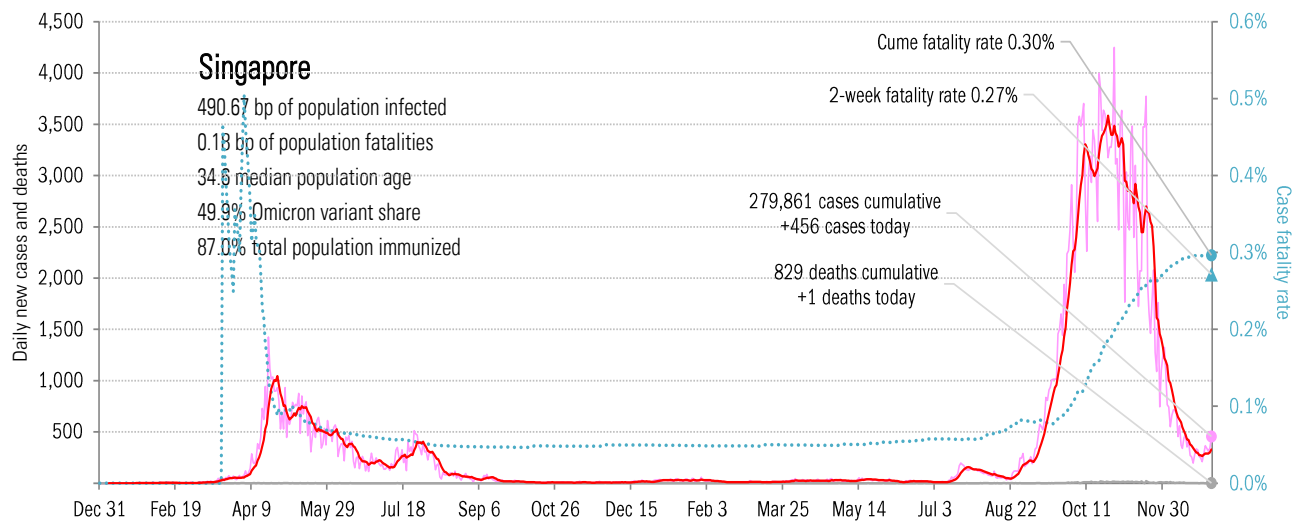
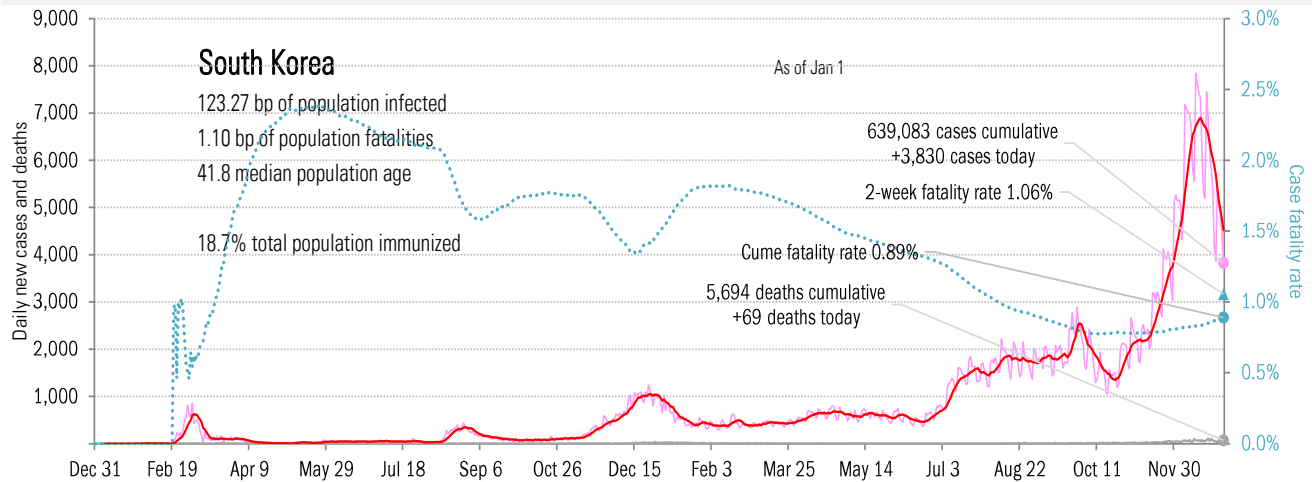
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

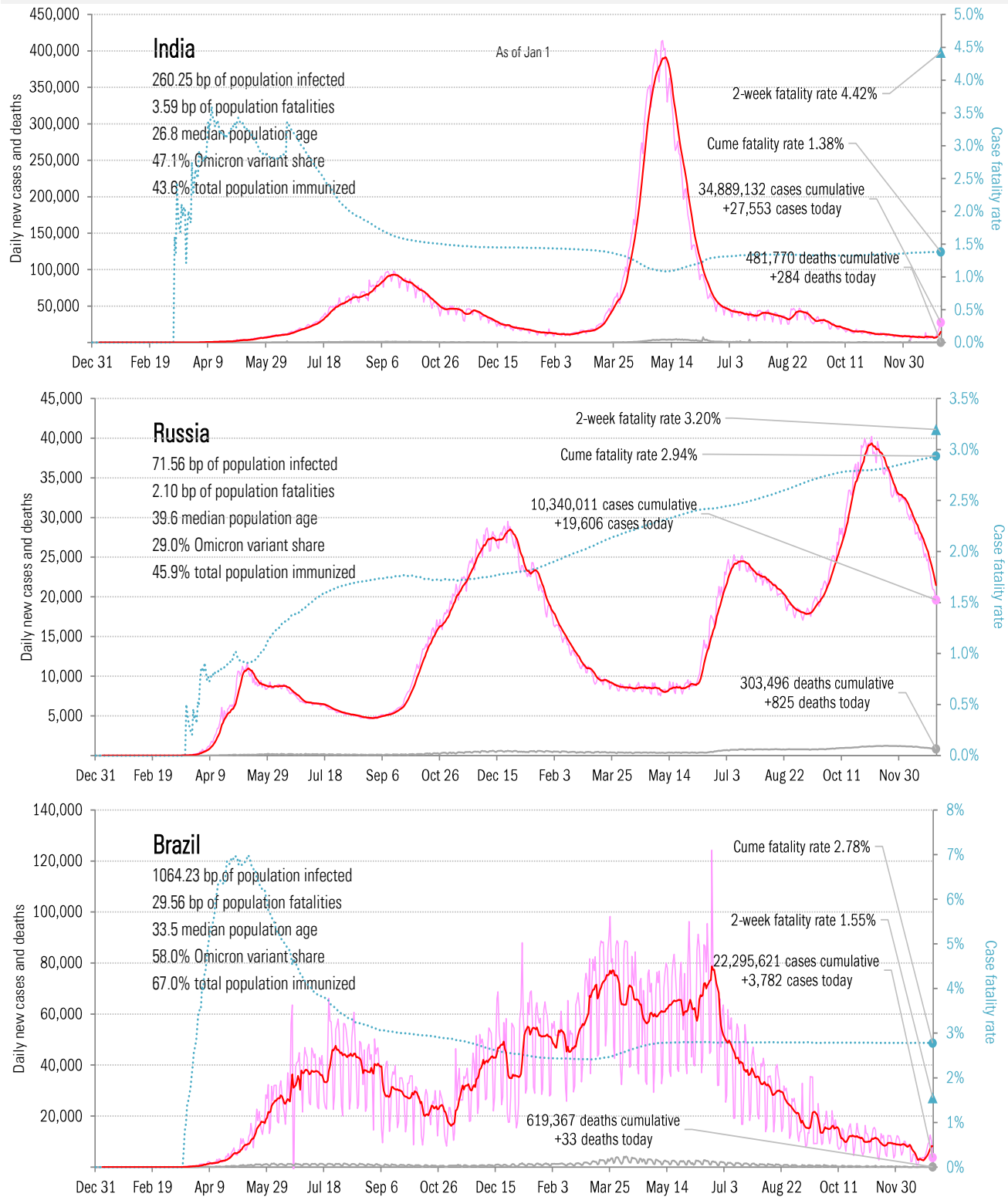
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

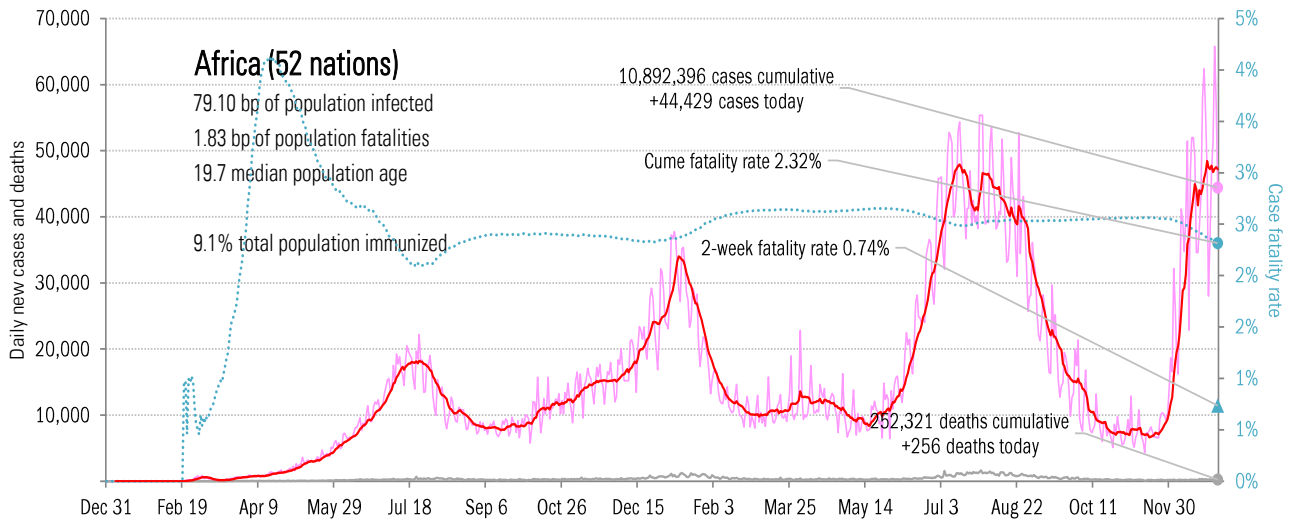
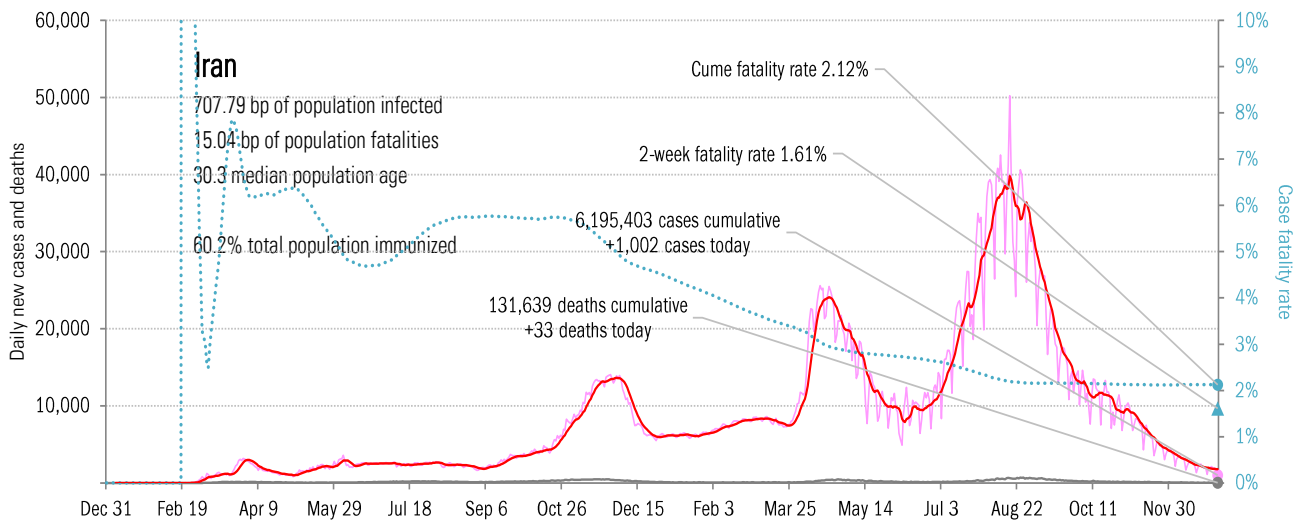
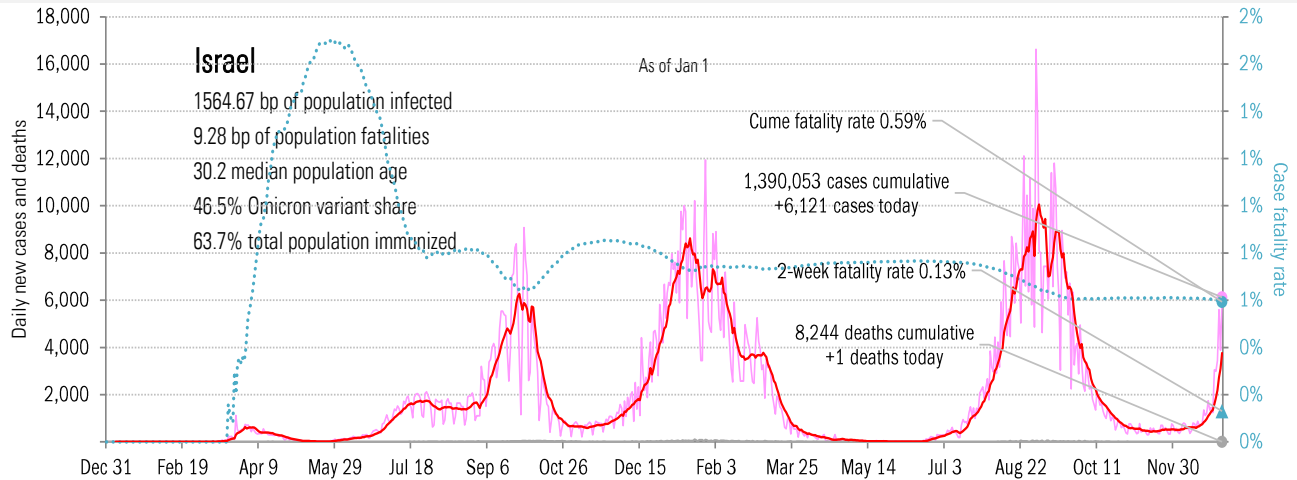
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

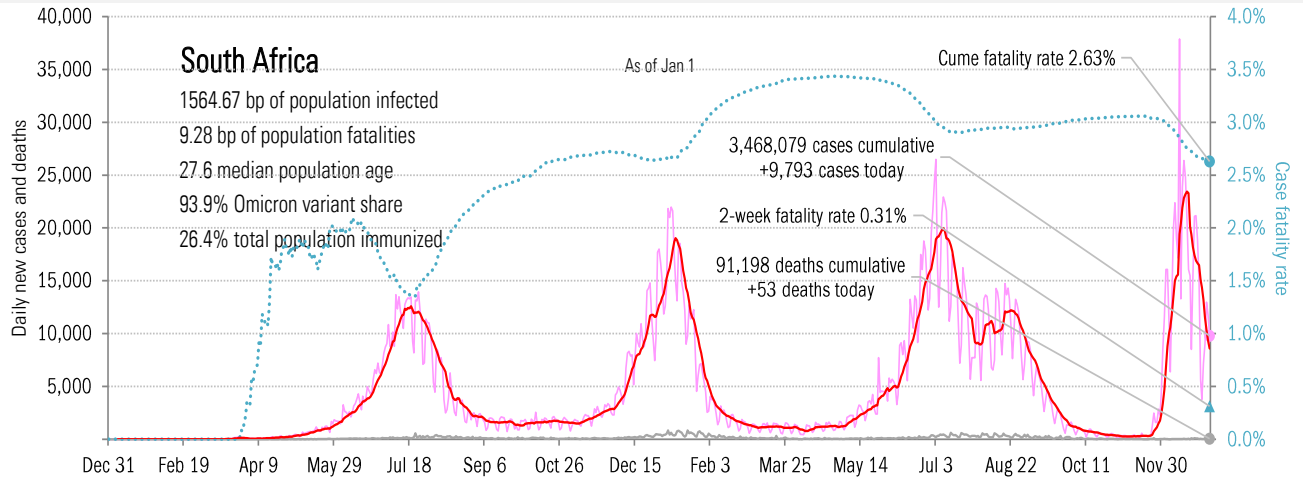
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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