

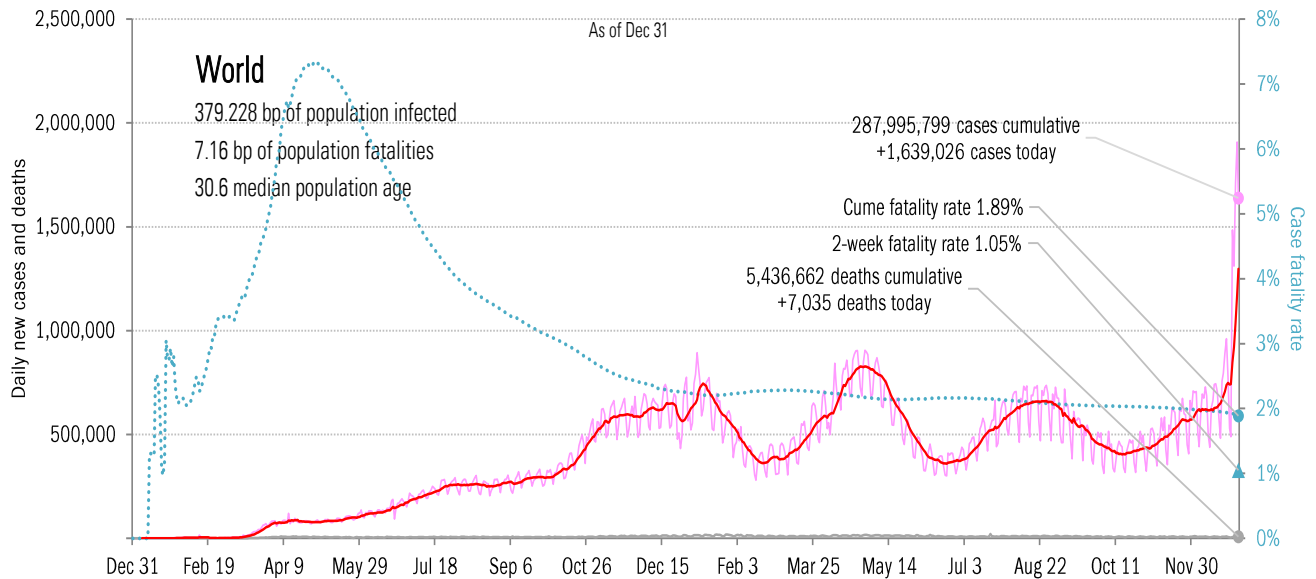
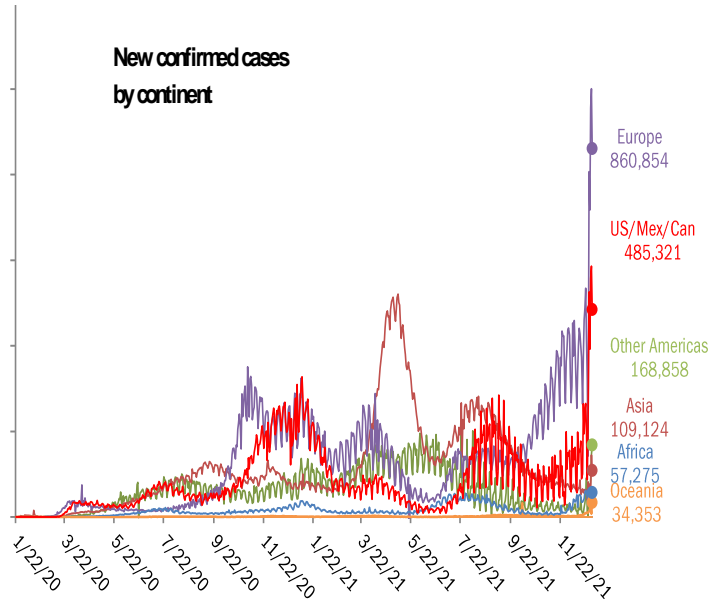
Data Insights: Covid-2019 Monitor

Saturday, January 1, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
	New cases		New Deaths
	United States 420,392	United States	1,233
	France 232,200	Russia	880
	United Kingdom 191,197	Poland	639
	Italy 144,255	Moldova	585
	Argentina 47,663	India	406
	Canada 46,868	Mexico	296
	Turkey 40,786	Ukraine	241
	Greece 40,560	Vietnam	226
	Australia 34,353	United Kingdom	203
	Portugal 30,829	France	189
	1,229,103		4,898
	World 1,639,026		World 7,035
	Top ten 75%		Top ten 70%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

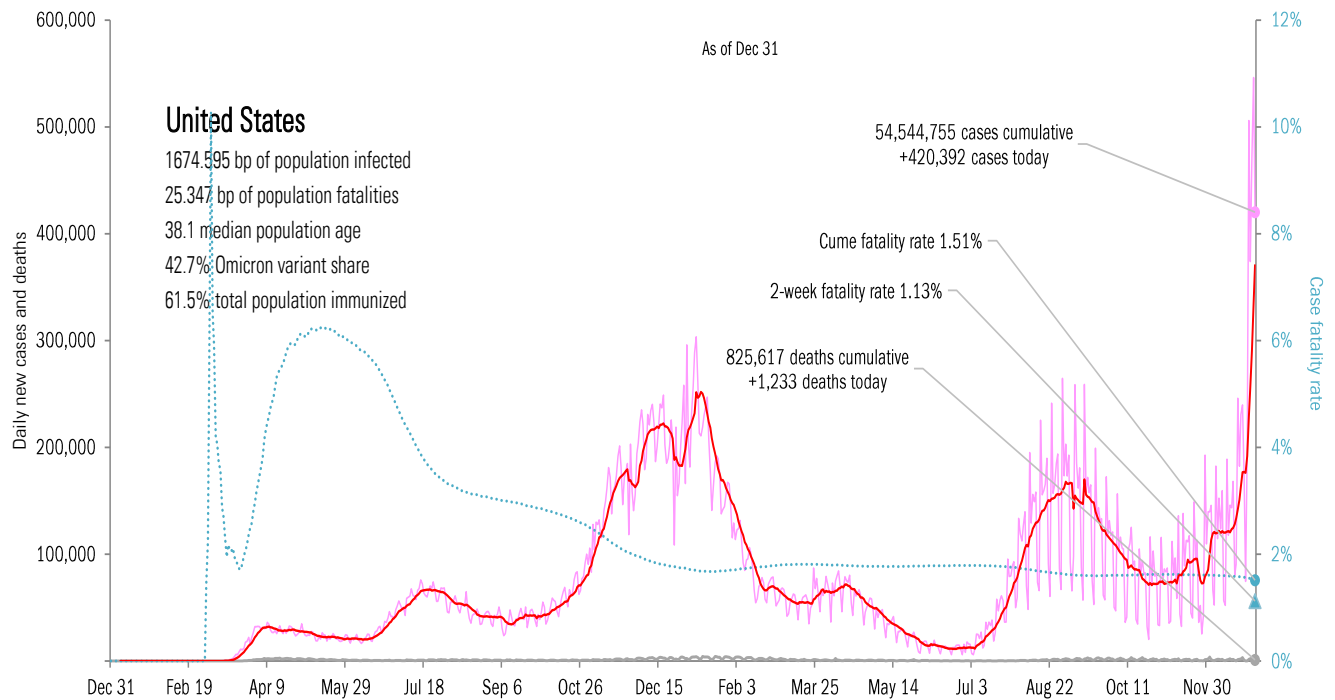
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
NY	78,090	CH	654	FL	748	CA	5,515,250	CA	76,520	TX	401,746	RI	87%	KY	92%														
CA	58,829	CA	83	TX	634	TX	4,581,747	TX	75,744	FL	336,365	GA	86%	NM	92%														
FL	43,168	NY	74	CA	502	FL	4,010,700	FL	62,585	CA	335,187	MA	85%	IN	89%														
NJ	33,724	TN	69	NY	455	NY	3,480,280	NY	59,508	NY	192,426	MN	84%	MO	88%														
GA	23,438	PA	66	GA	393	IL	2,149,548	PA	36,705	GA	170,595	PA	84%	NE	87%														
MA	22,703	AZ	58	NJ	326	PA	2,036,424	GA	31,443	CH	155,081	MD	84%	NH	87%														
PA	21,057	MA	52	PA	297	CH	2,016,082	IL	30,254	PA	143,342	WV	84%	AL	87%														
CH	20,585	NJ	37	IL	237	GA	1,839,879	CH	29,434	IL	126,310	WA	83%	TX	87%														
NC	19,174	CO	31	CH	236	MI	1,710,325	NJ	29,037	KY	120,342	MO	83%	CK	86%														
VA	17,618	NC	27	MD	171	NC	1,686,667	MI	29,020	MI	117,548	NH	83%	RI	85%														
338,386			1,151			29,026,902			460,250			2,098,942																	
All states			420,392			1,233			5,617			All states			54,544,755			825,617			3,792,236			All states		70%		67%	
Top ten			80%			93%			71%			Top ten			53%			56%			55%		Median		77%		81%		

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IL	-30,386	FL	-150	MIN	-49	PA	+20 bp
TX	-19,467	TX	-105	LA	-38	RI	+20 bp
MD	-14,316	IL	-87	NM	-16	FR	+20 bp
TN	-13,566	PA	-69	KS	-10	LA	+10 bp
LA	-12,467	MD	-55	AK	-4	GA	+10 bp

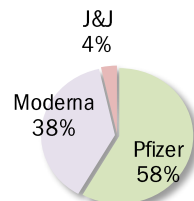


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

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	81.0%	84.8%
Total population	249,513,525	75%	210,949,398	63%	+0.175 million	Spain	70.5%	73.5%
Age 12 to 17	15,176,486	64%	12,765,868	54%	+0.015 million	Germany	74.1%	80.1%
Age 18 to 64	168,874,428	83%	143,479,478	71%	+0.074 million	Australia	63.7%	70.6%
Age 65 and over	57,700,736	100%	49,630,282	91%	+0.007 million	Israel	77.2%	83.3%
						Canada	78.3%	79.7%
						Japan	9.1%	14.1%
						Africa	42.7%	60.5%
						India	67.0%	77.7%
						Brazil	83.6%	87.2%
						China		



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	73.2%	78.2%
Spain	81.0%	84.8%
Germany	70.5%	73.5%
Italy	74.1%	80.1%
Australia	76.6%	79.3%
Israel	63.7%	70.6%
Canada	77.2%	83.3%
Japan	78.3%	79.7%
Africa	9.1%	14.1%
India	42.7%	60.5%
Brazil	67.0%	77.7%
China	83.6%	87.2%

AK
65.0%
56.3%

WI
68.2%
62.0%

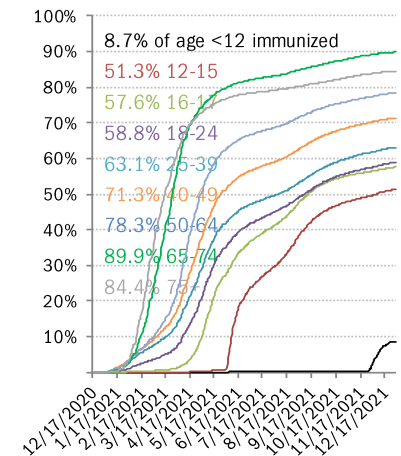
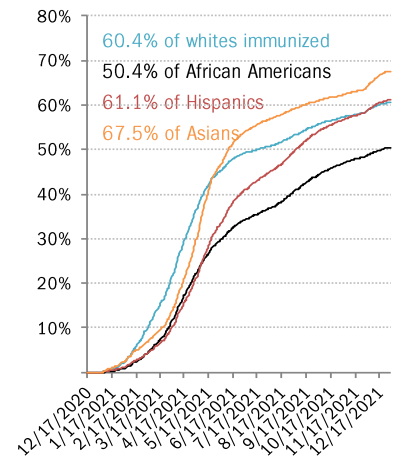
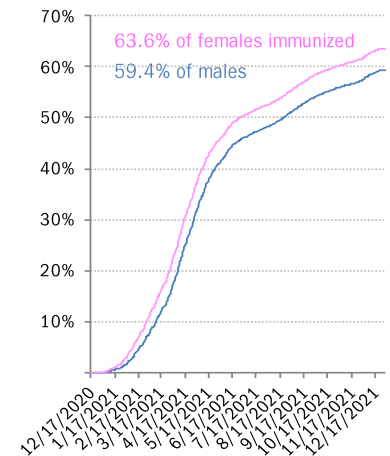
As of Dec 30

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%

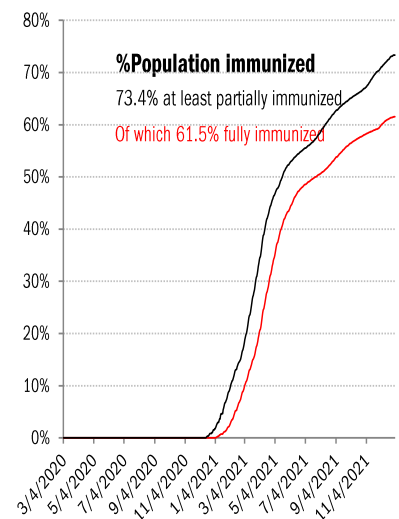
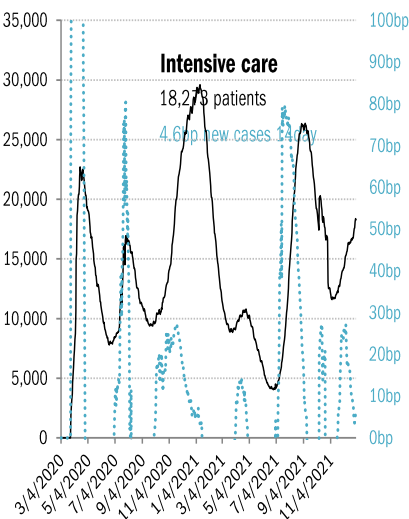
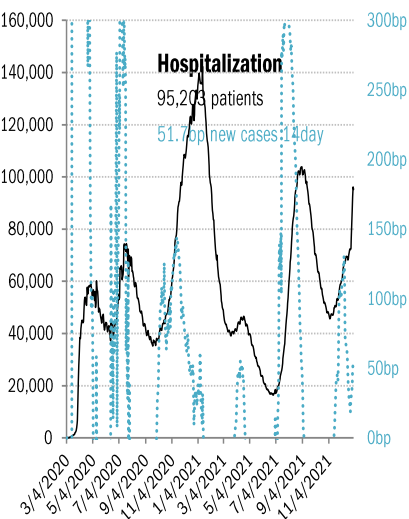
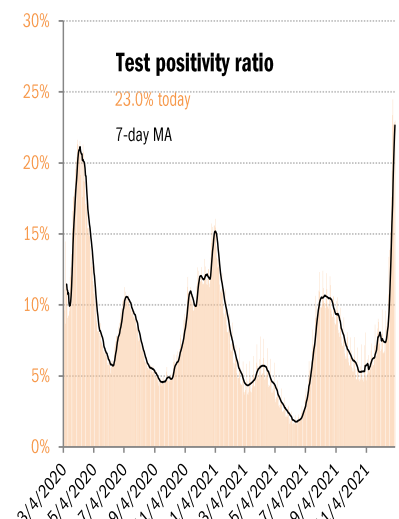
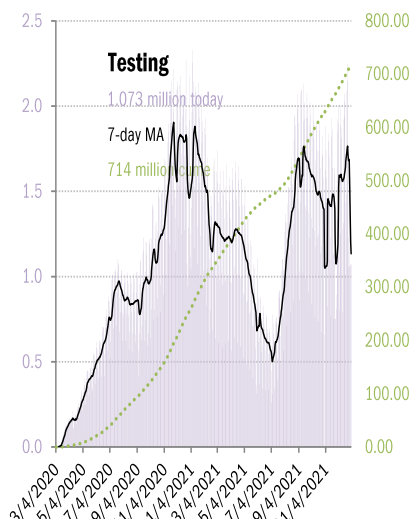
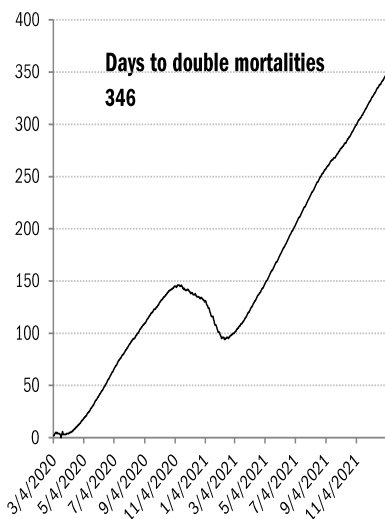
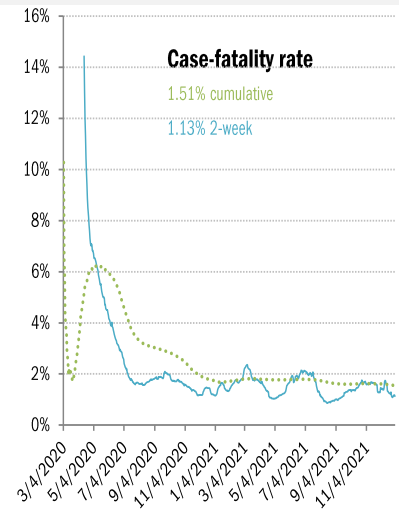
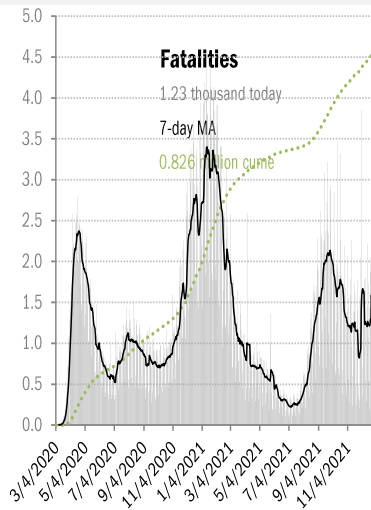
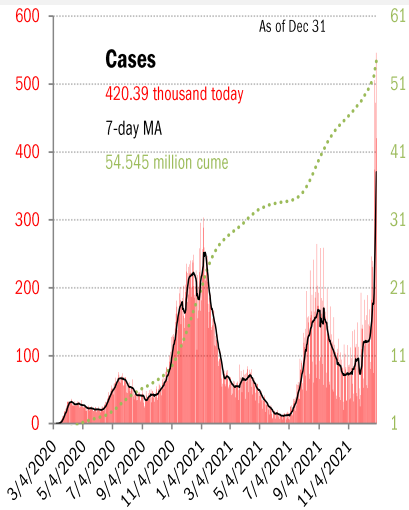
The demographics of US vaccination



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

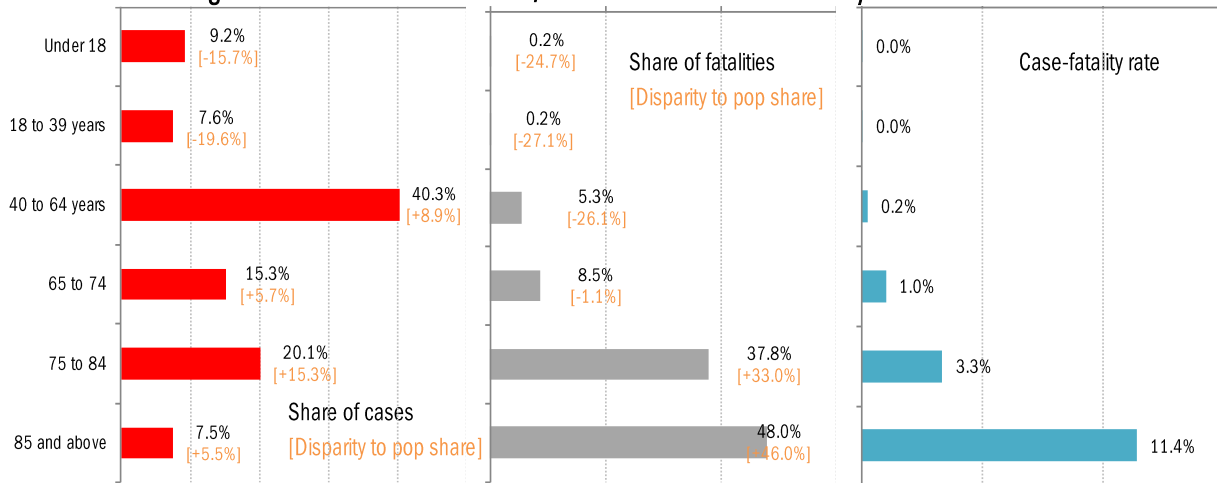
US deep-dive

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

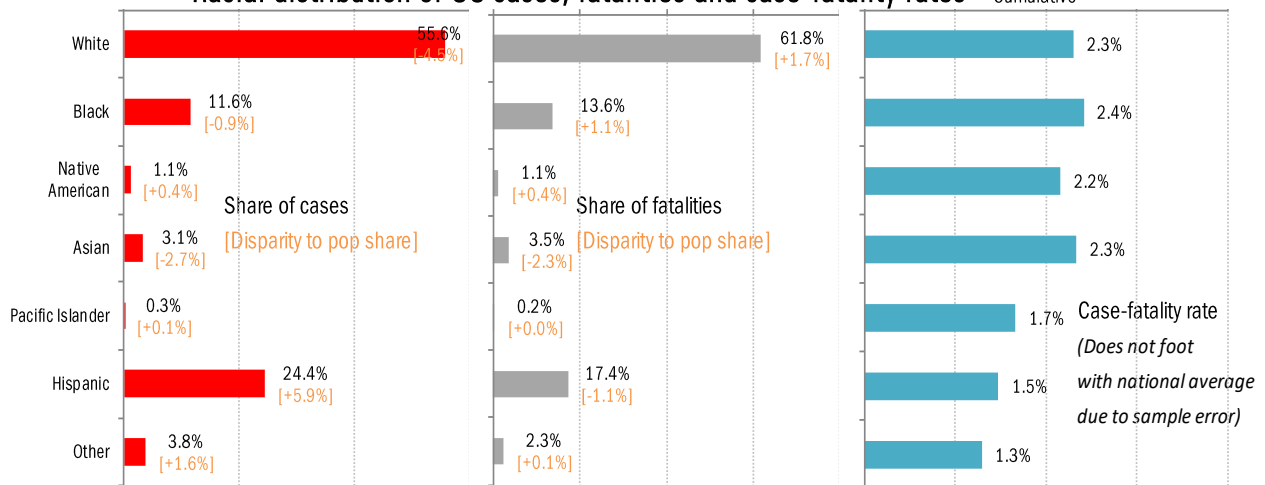


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

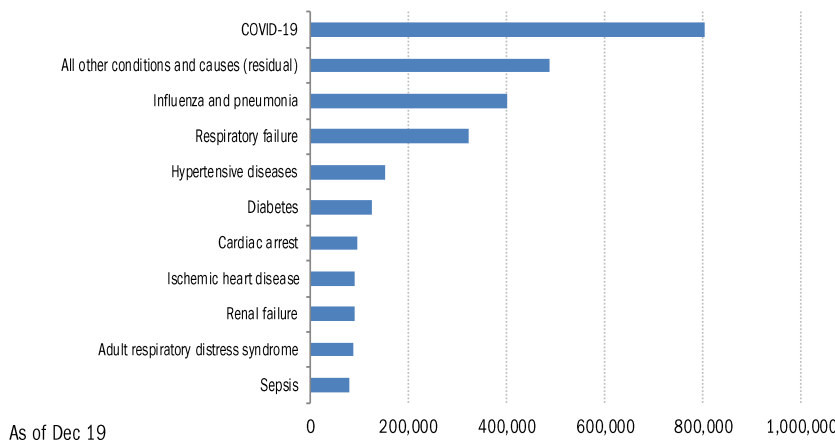


Racial distribution of US cases, fatalities and case-fatality rates



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

[Scientists say Omicron may peak in the U.S. in mid-January but still may overwhelm hospitals.](#)

Azeen Ghorayshi
New York Times
December 31, 2021

["Omicron DEATH!"](#)

Matt Taibbi and Matt Orfalea
TK News
December 31, 2021

[Studies Suggest Why Omicron Is Less Severe: It Spares the Lungs](#)

Carl Zimmer and Azeen Ghorayshi
New York Times
December 31, 2021

[Twitter bans mRNA vaccine pioneer-turned-critic. His response? 'Constant clown show'](#)

Greg Piper
Just the News
December 30, 2021

[Twitter suspends Just the News founder for report on legal distinctions between COVID vaccines](#)

Greg Piper
Just the News
December 28, 2021

[Covid and Corrupt Federal Statistics](#)

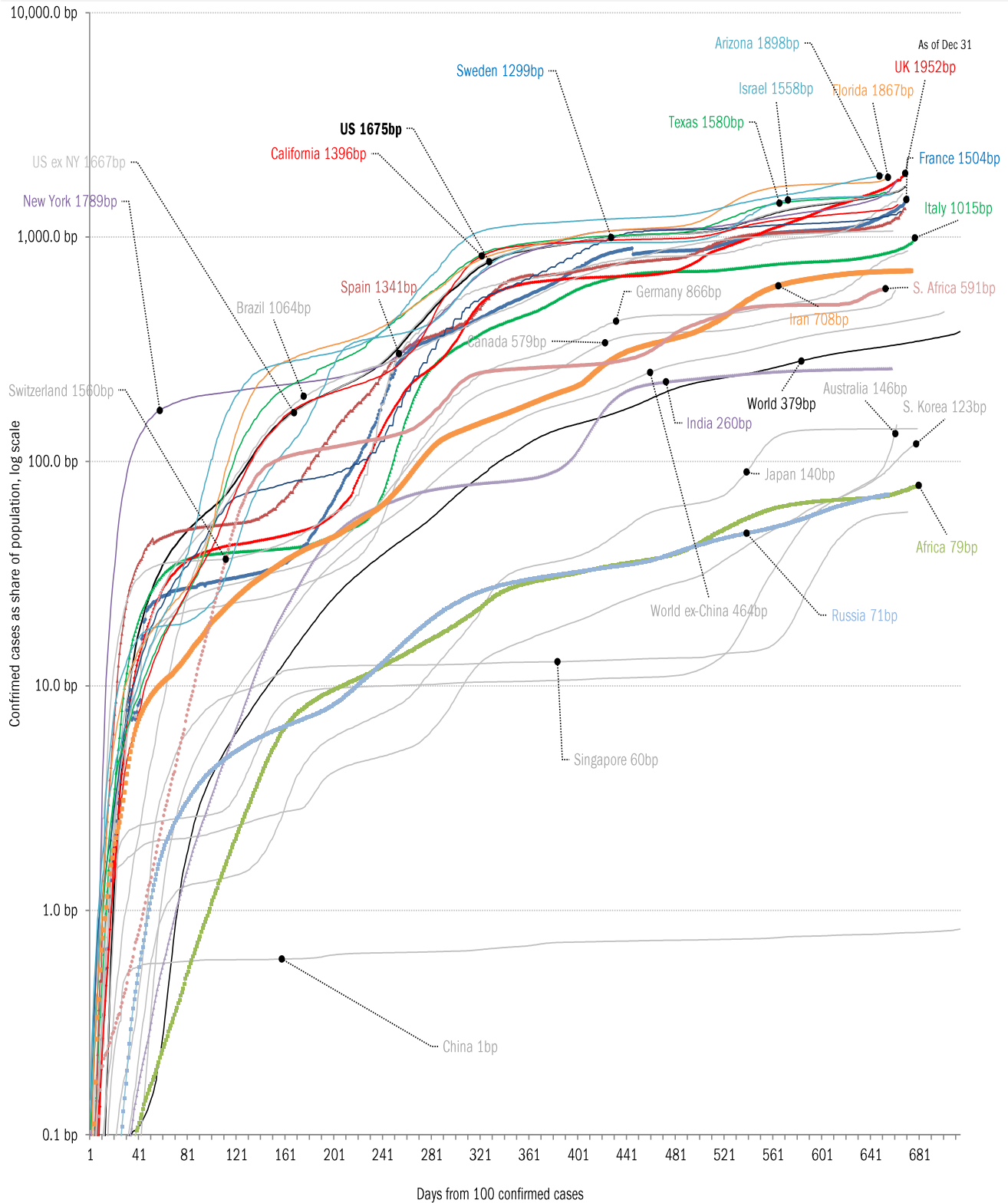
James Bovard
James Bovard
December 28, 2021

Meme of the day



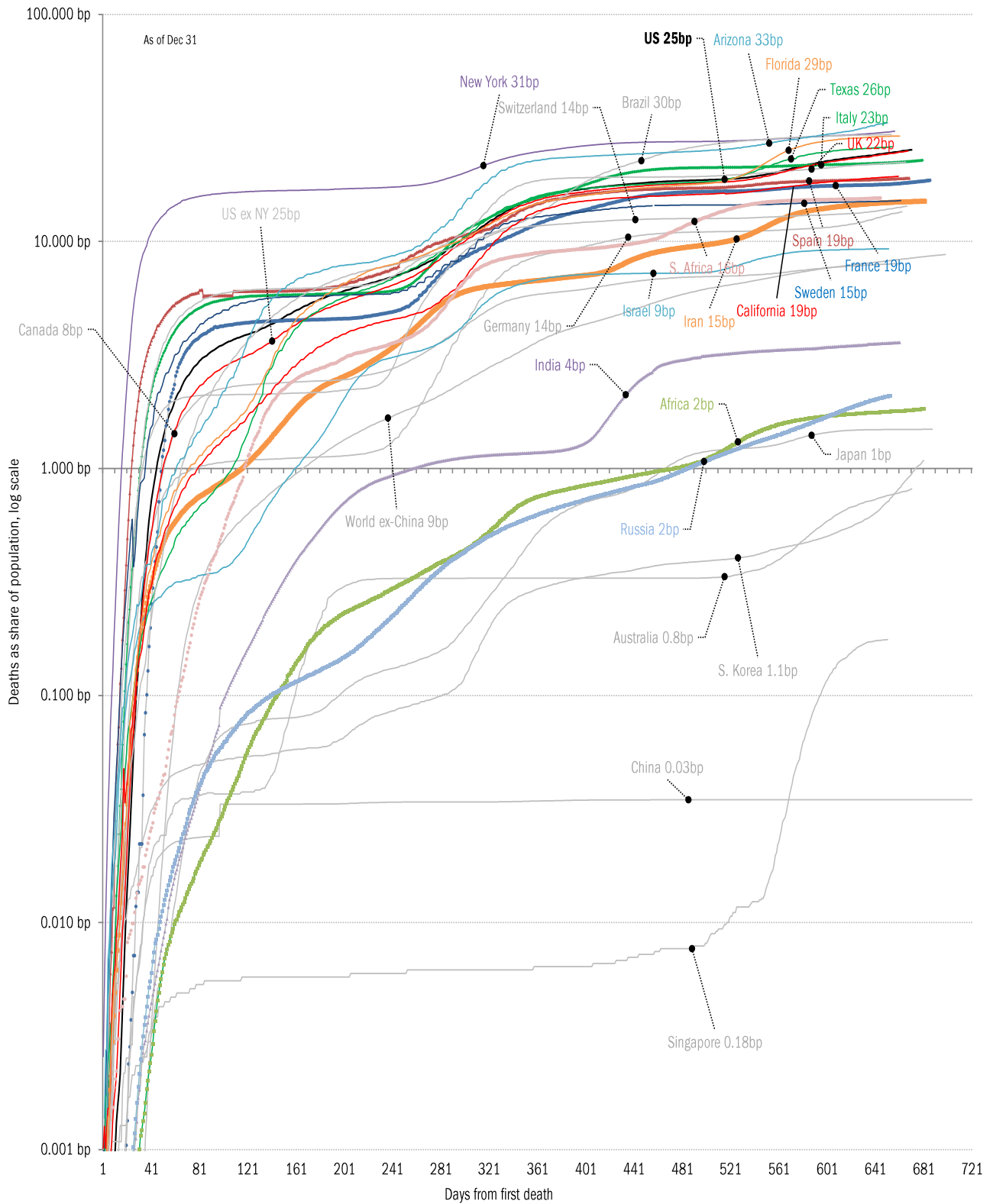
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

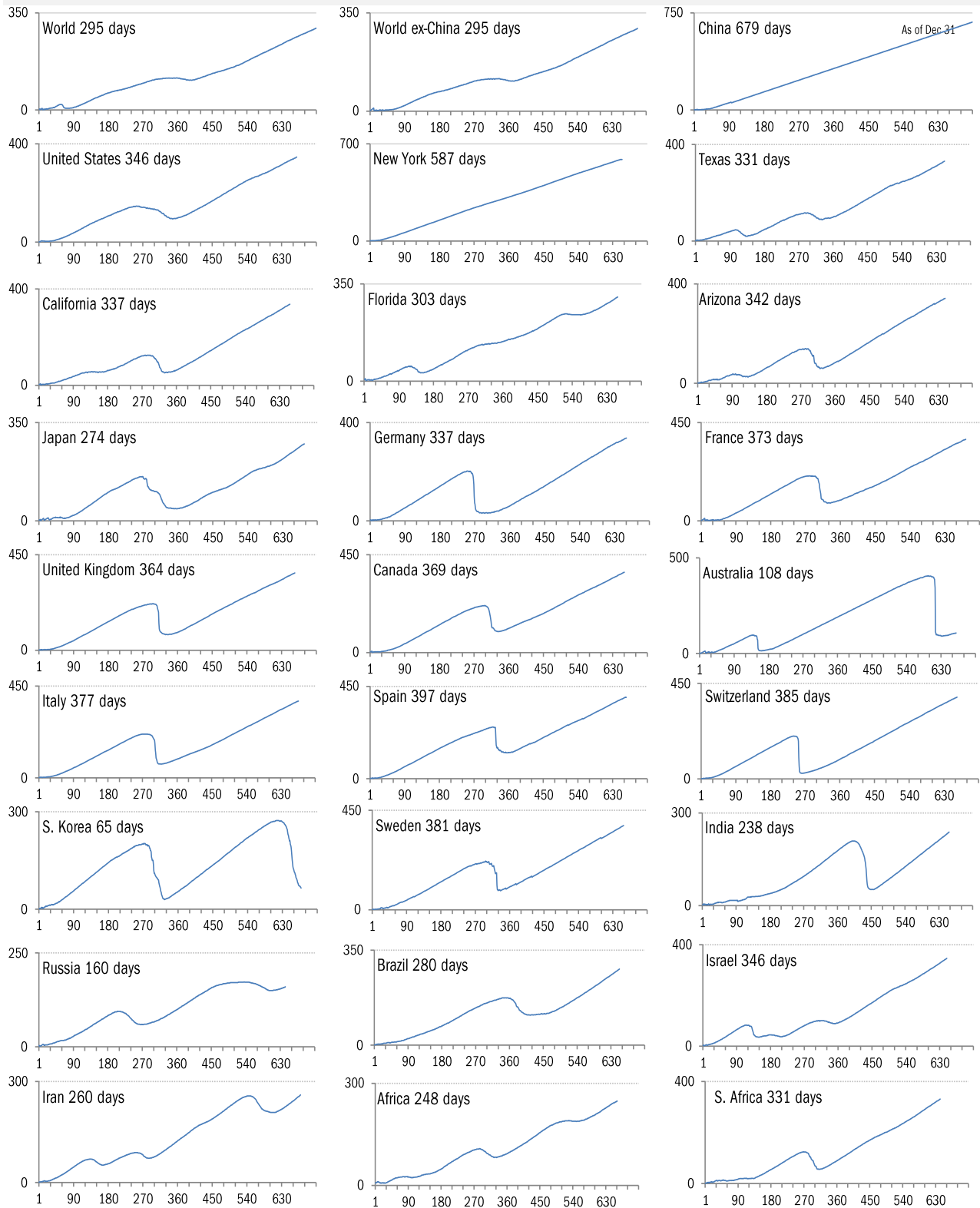


Source: [Johns Hopkins](#), TrendMacro calculations

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

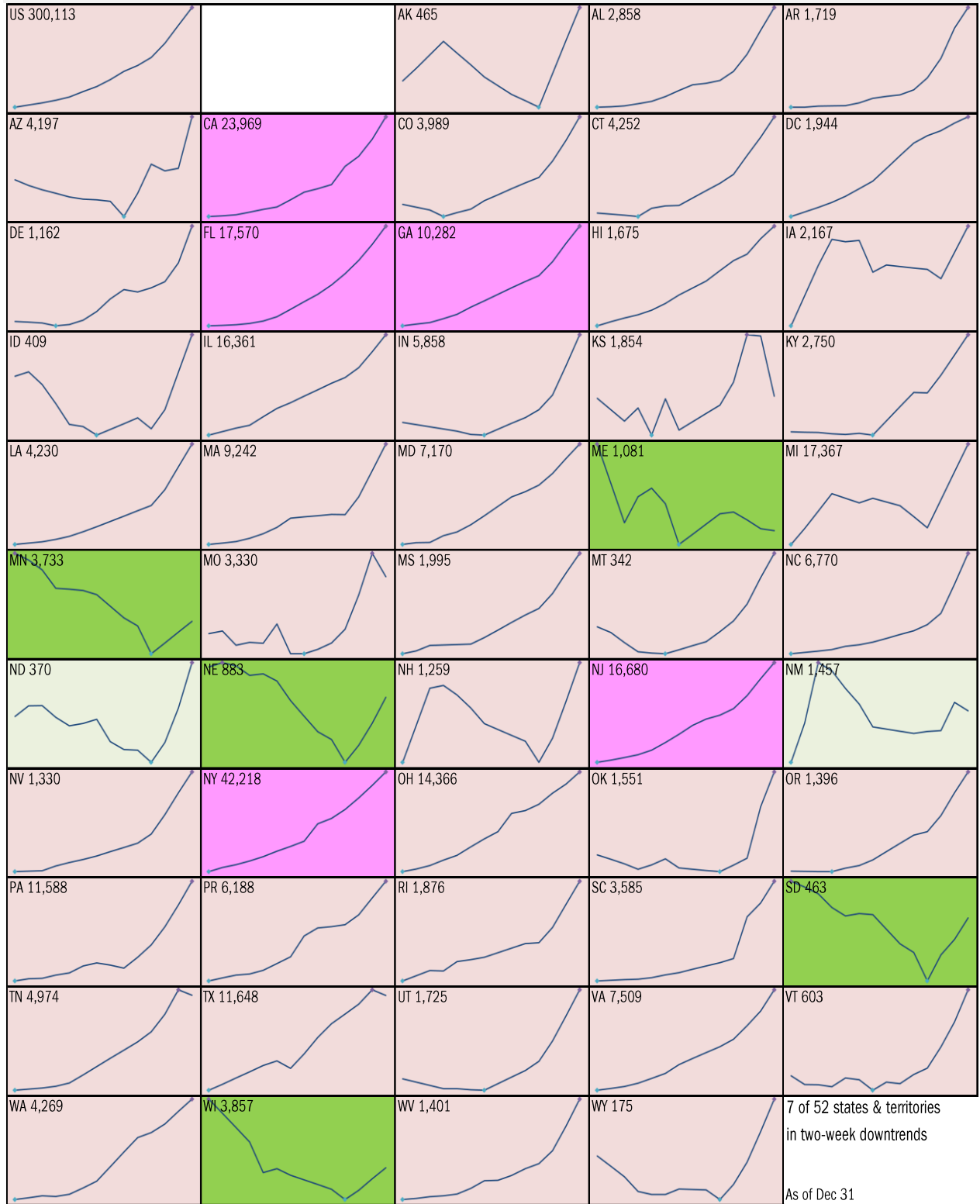


Source: [Johns Hopkins](#), TrendMacro calculations

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

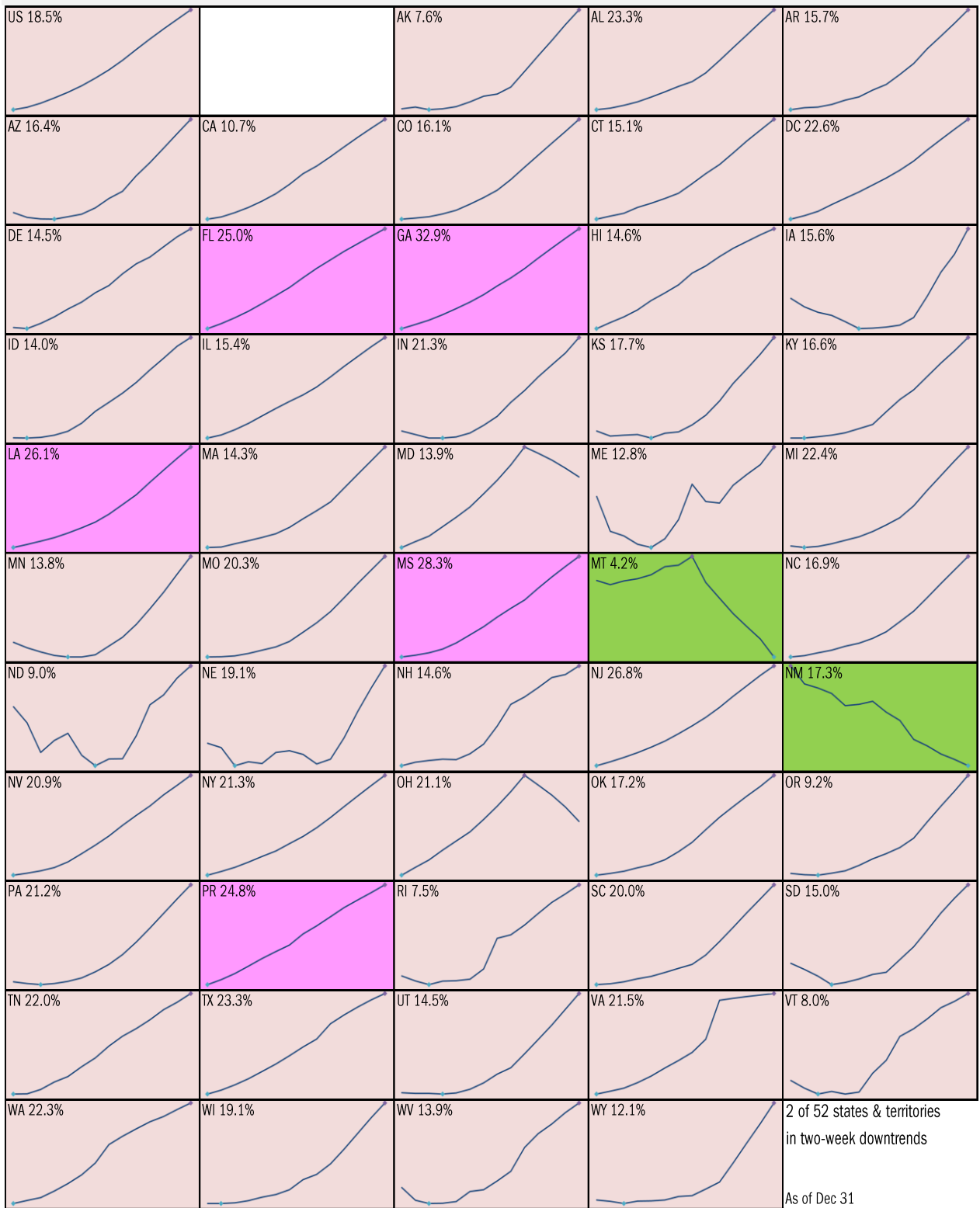


Source: [Johns Hopkins](#), TrendMacro calculations

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

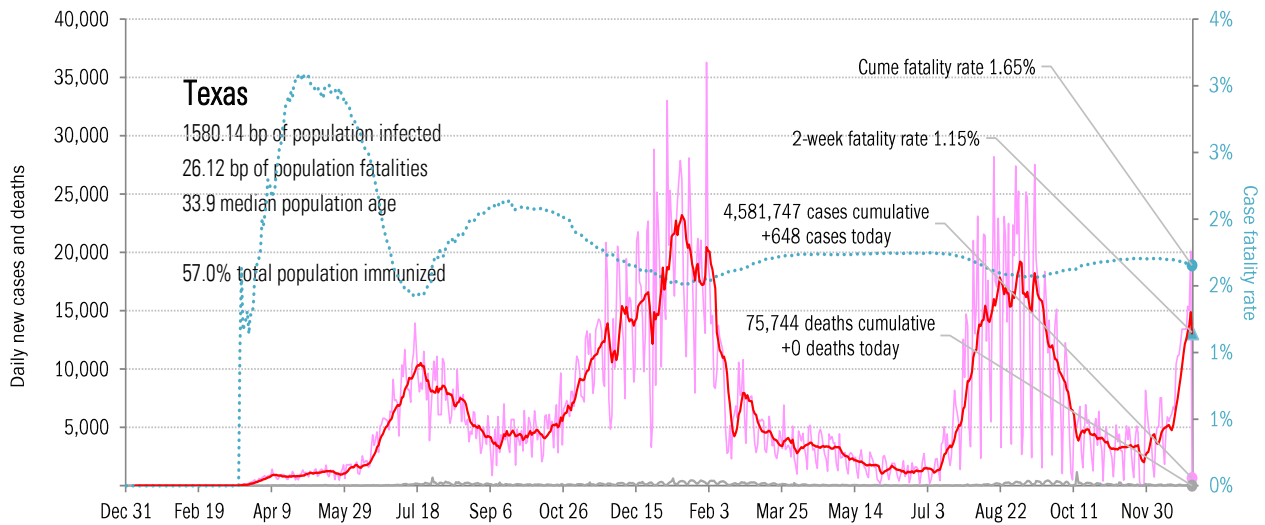
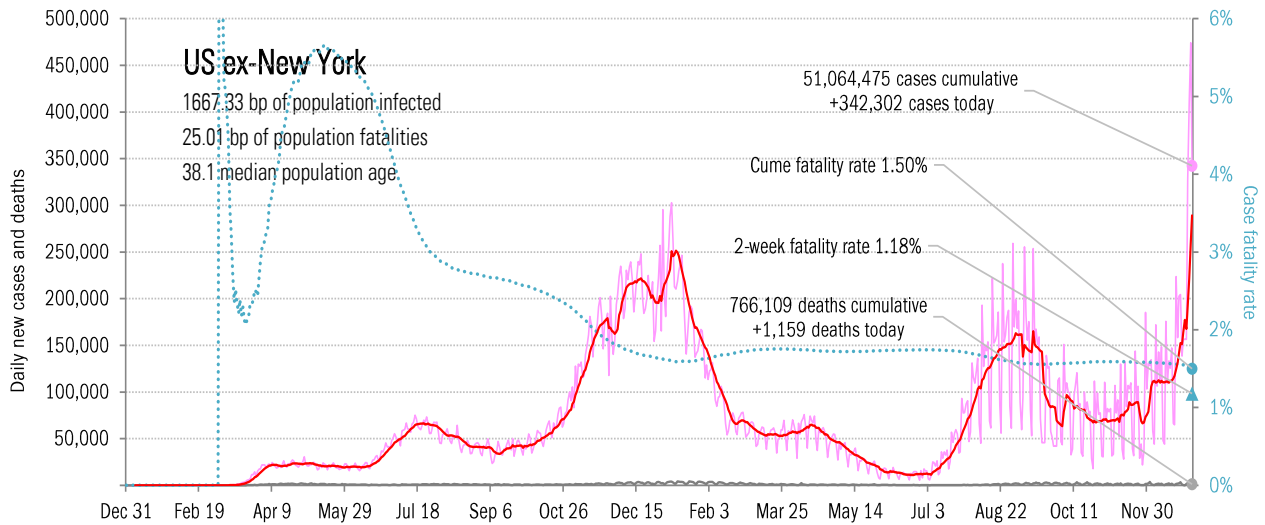
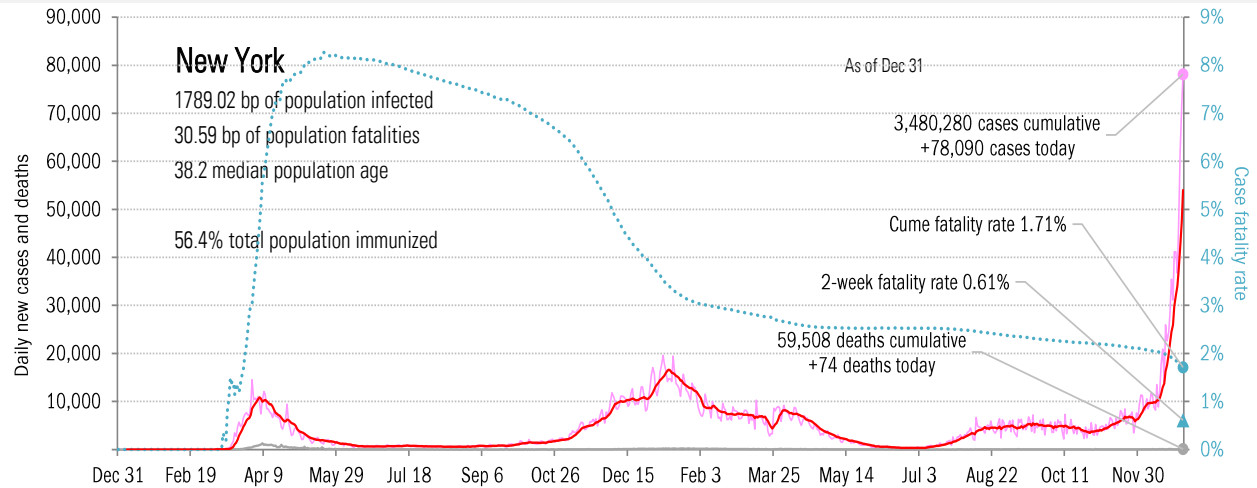
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

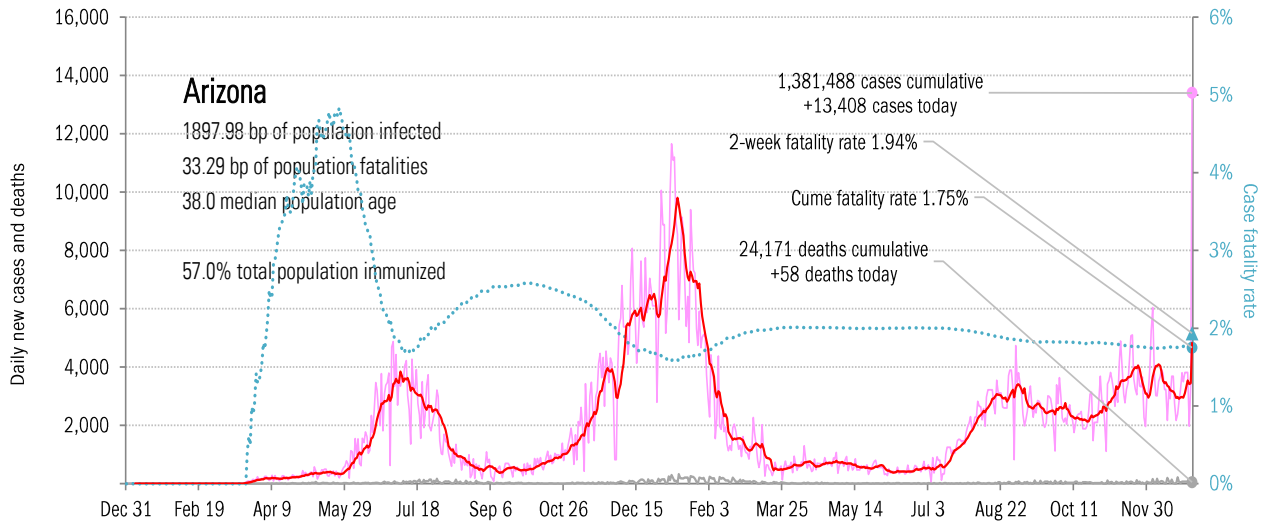
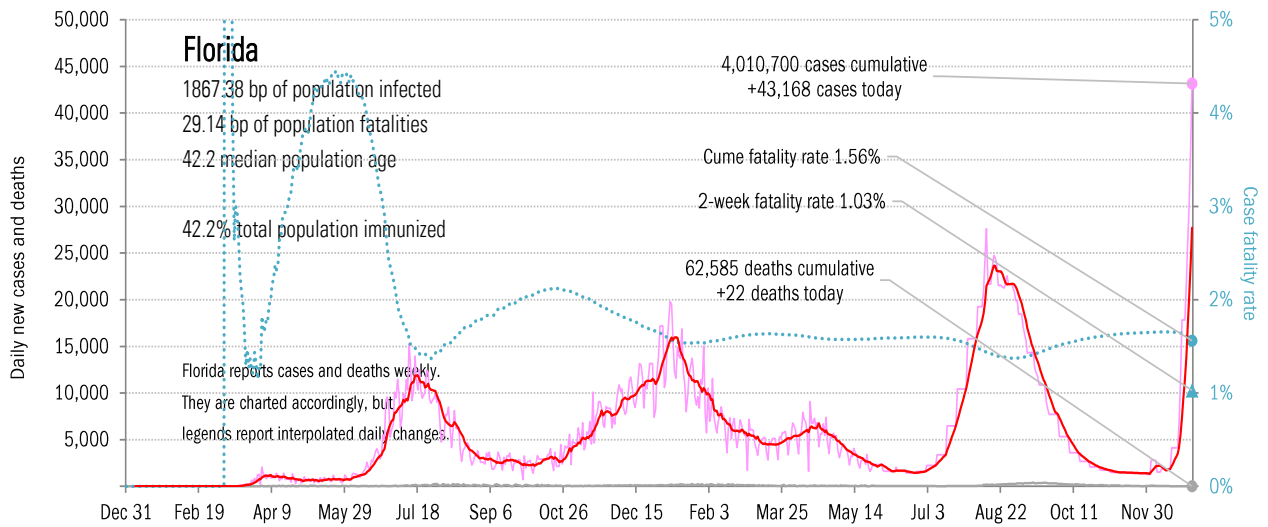
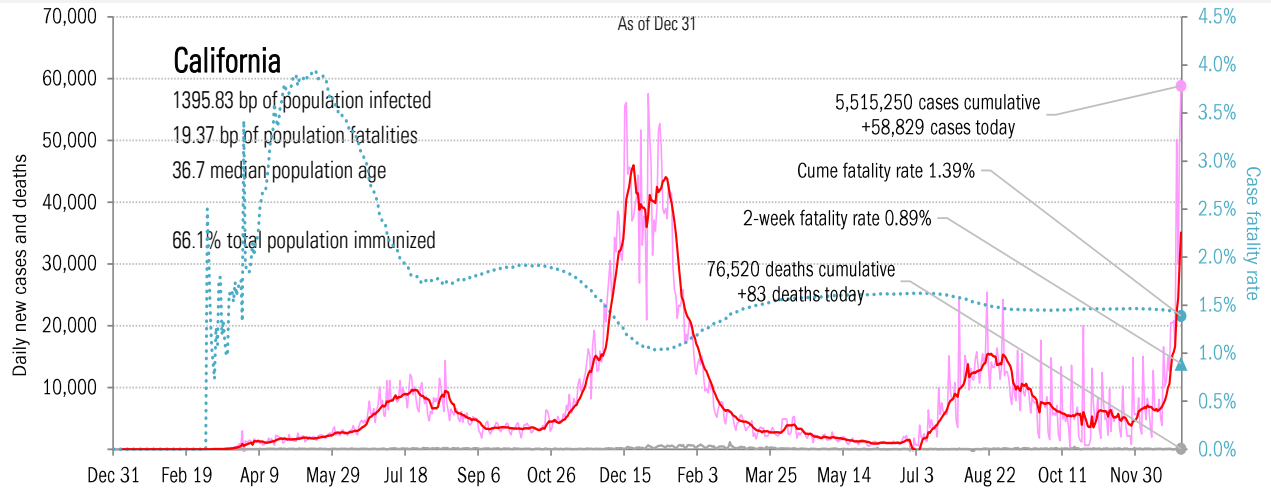
Cases: 7-day average and daily Deaths: Daily



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

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

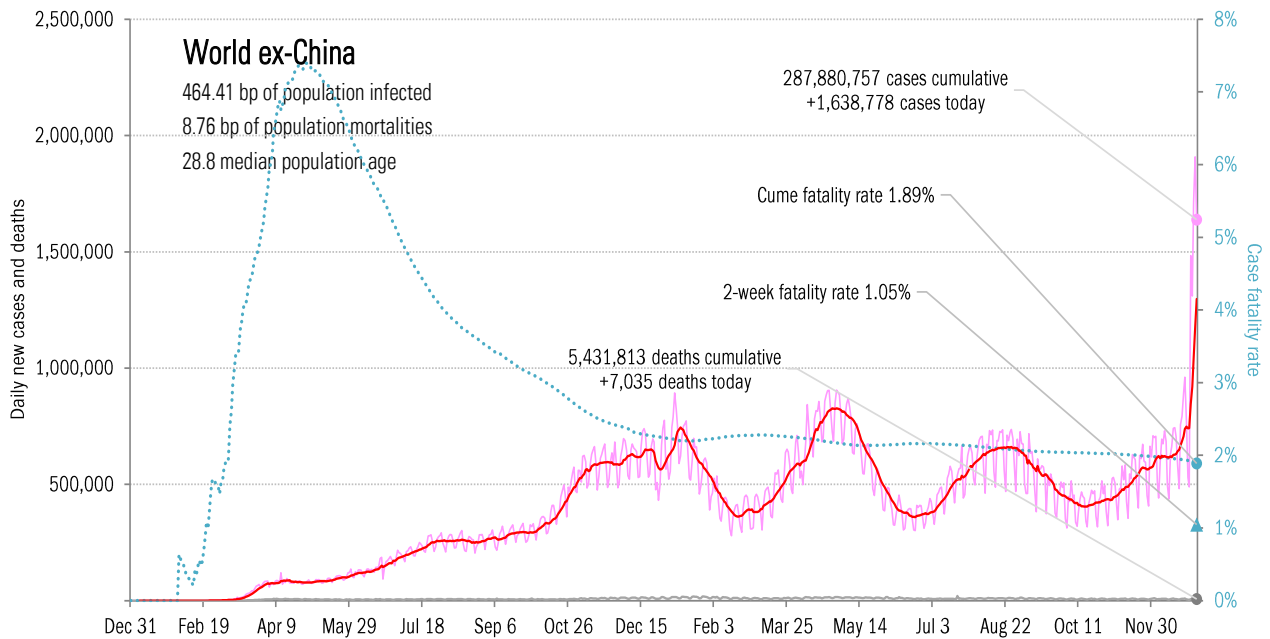
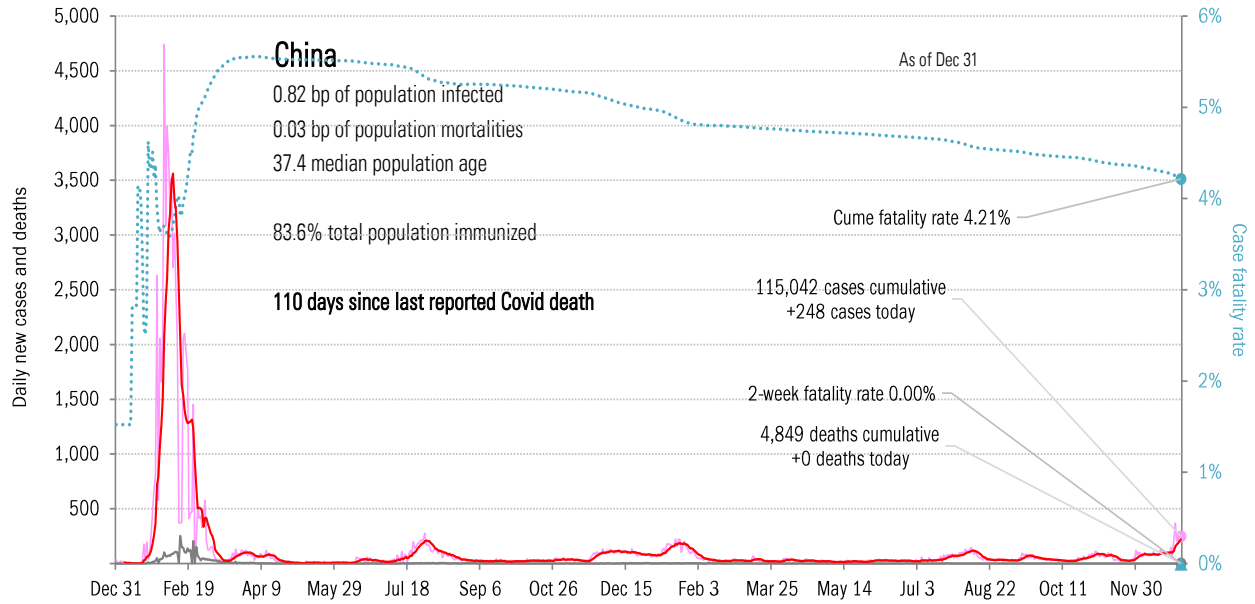
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

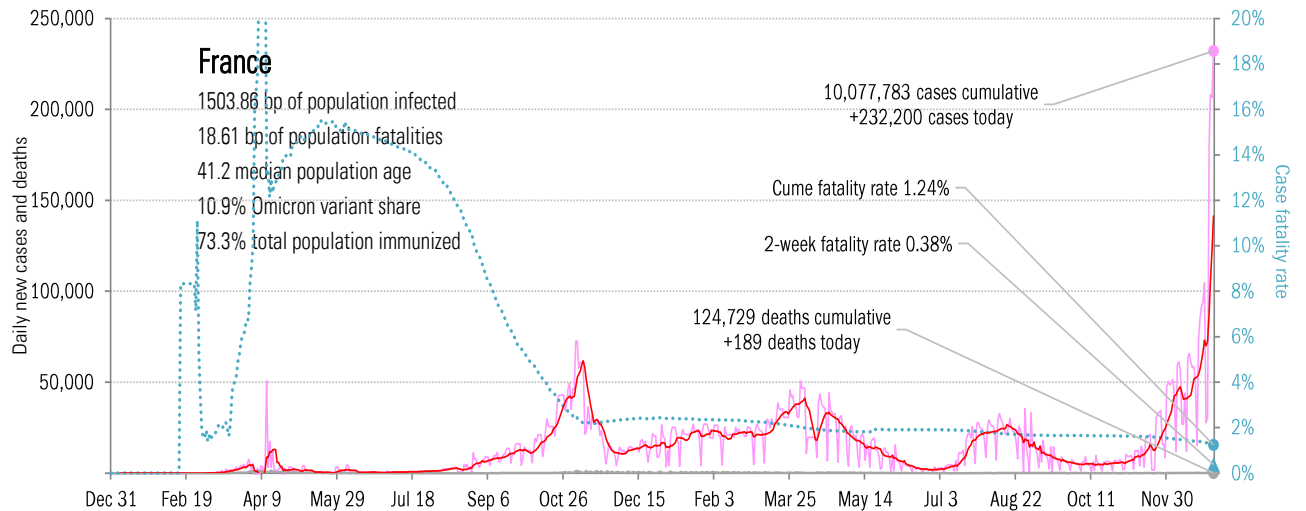
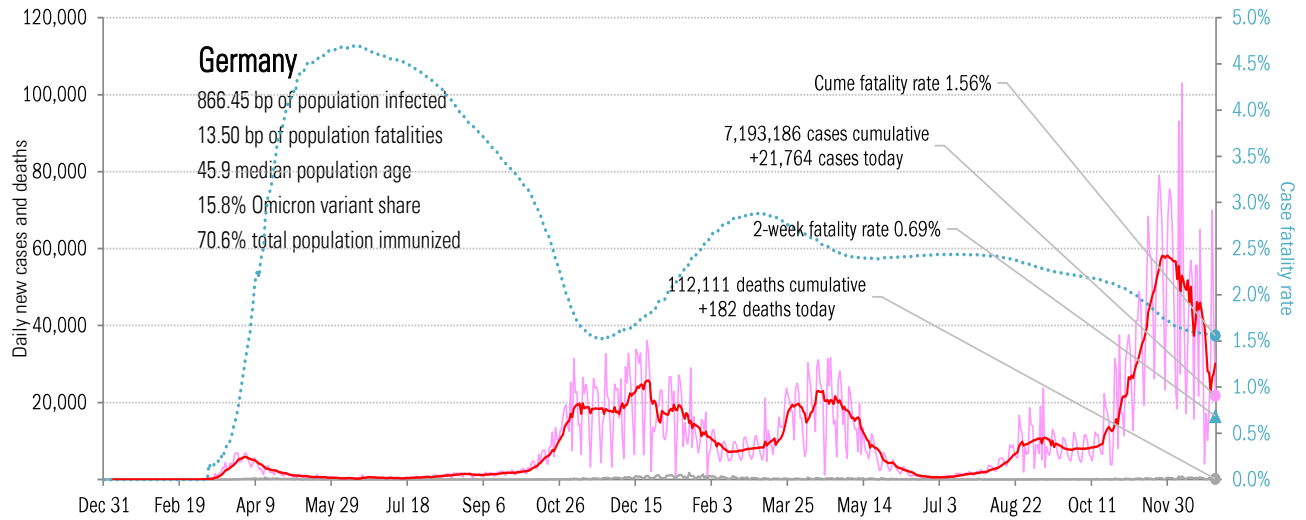
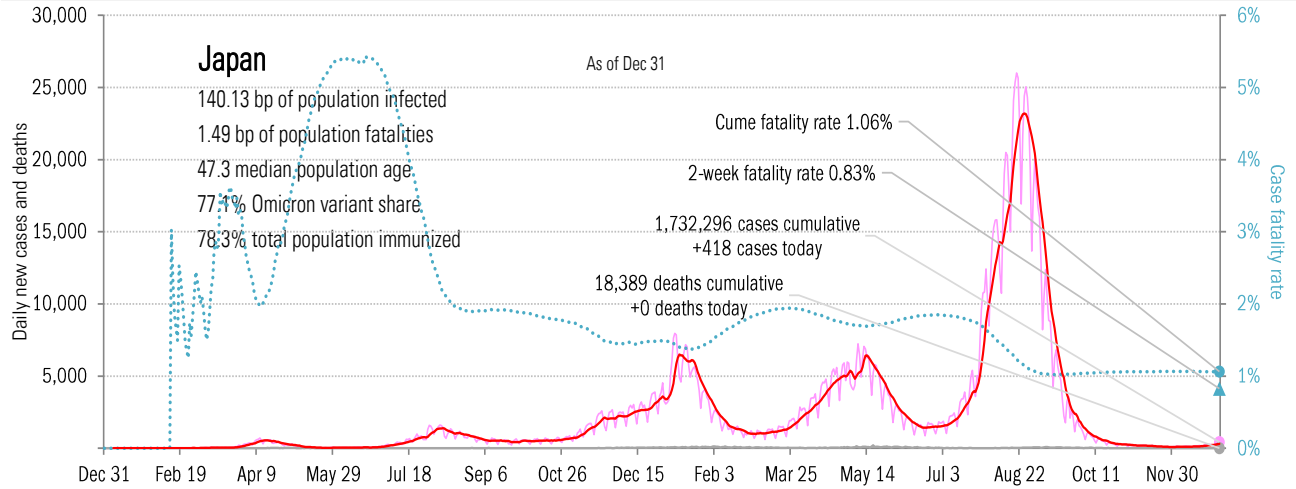
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

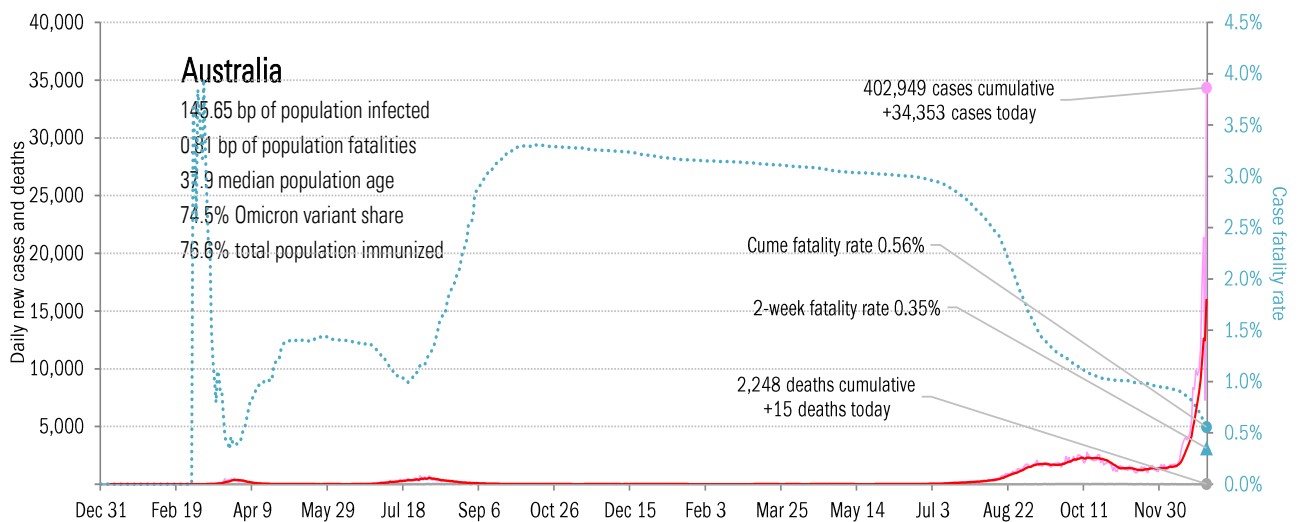
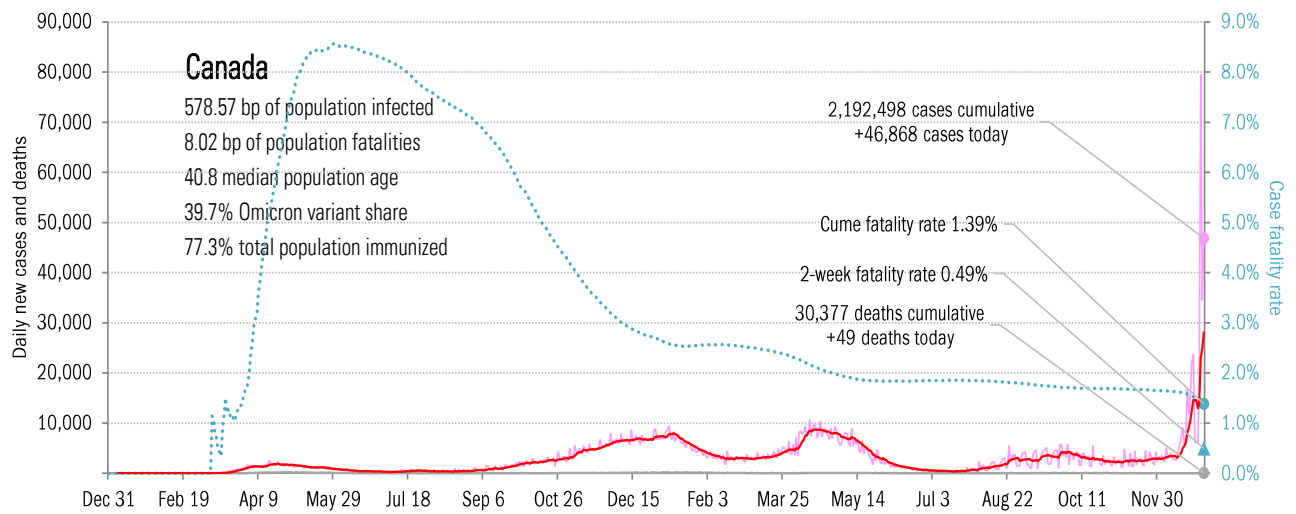
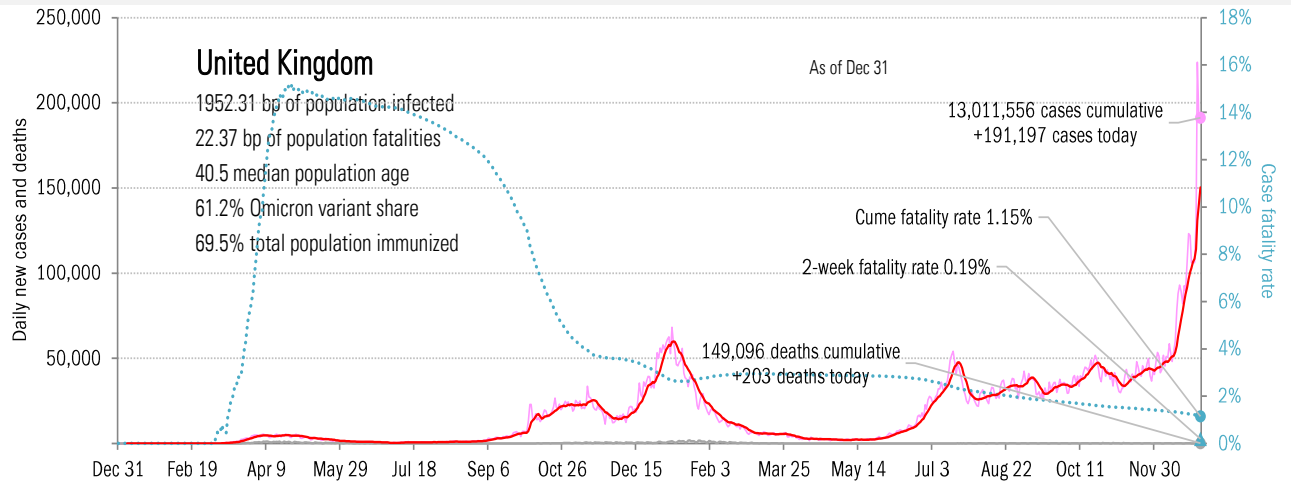
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

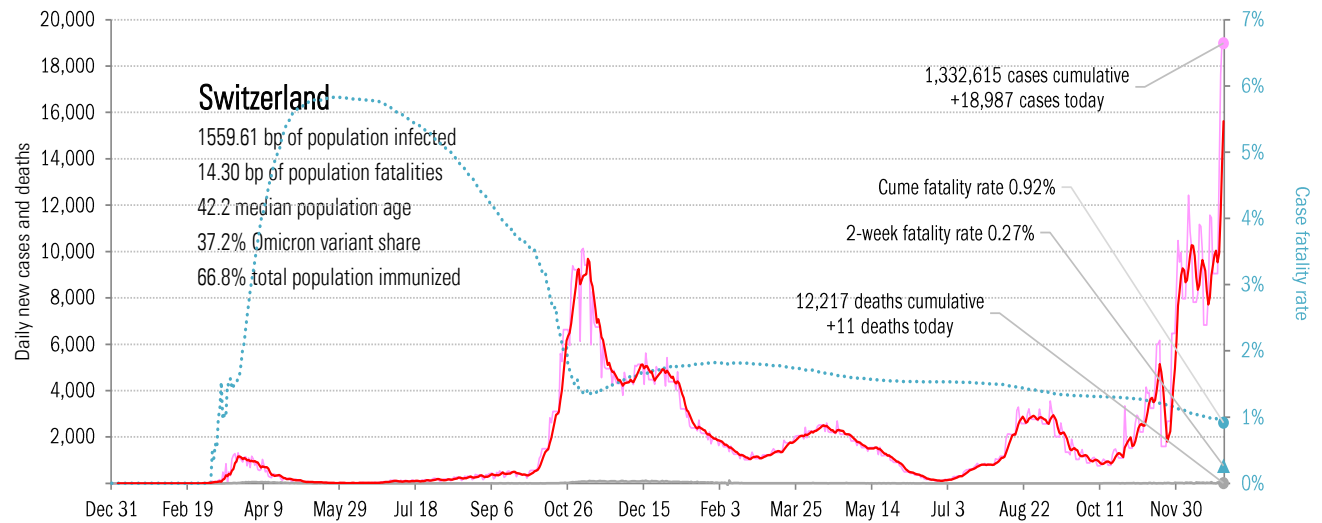
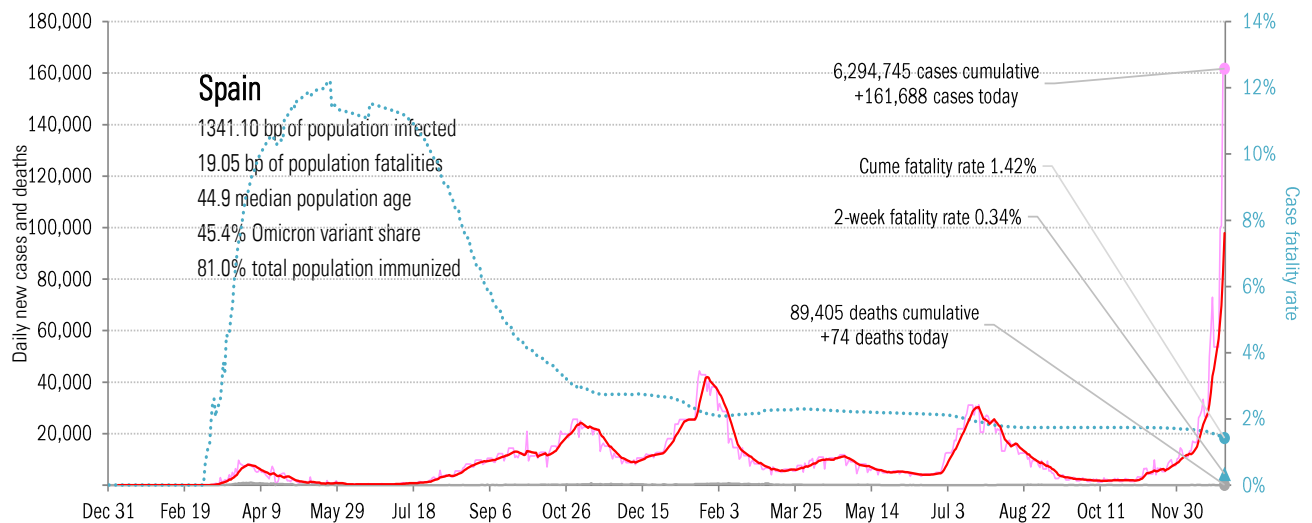
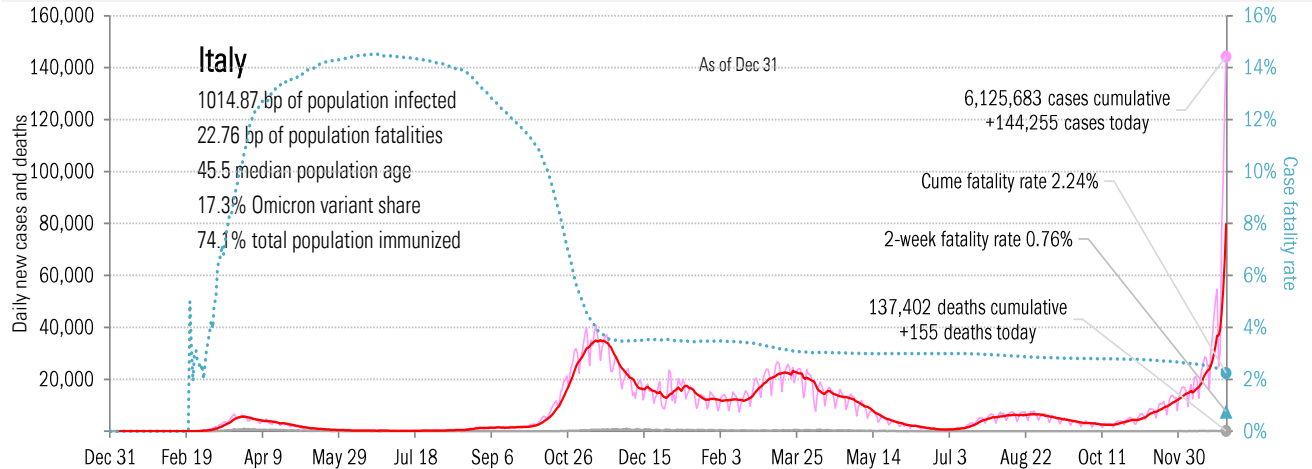
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

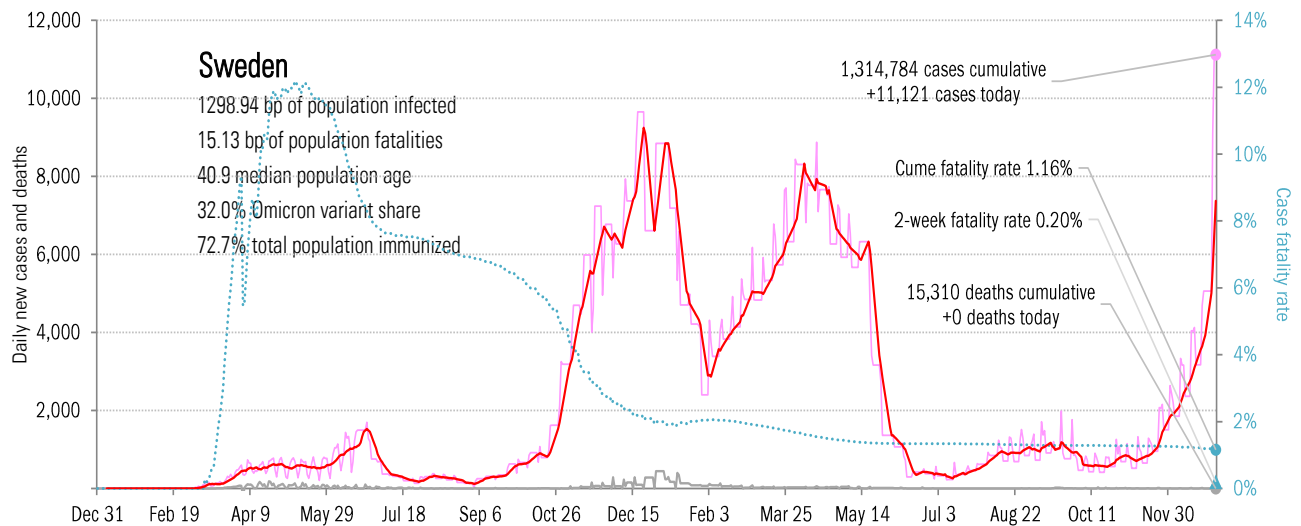
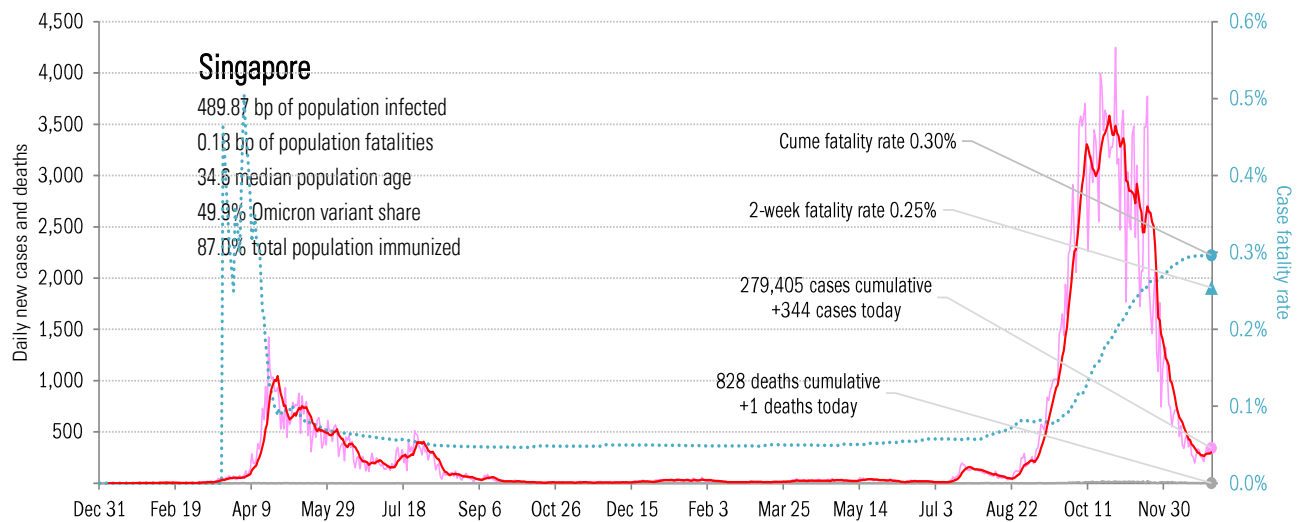
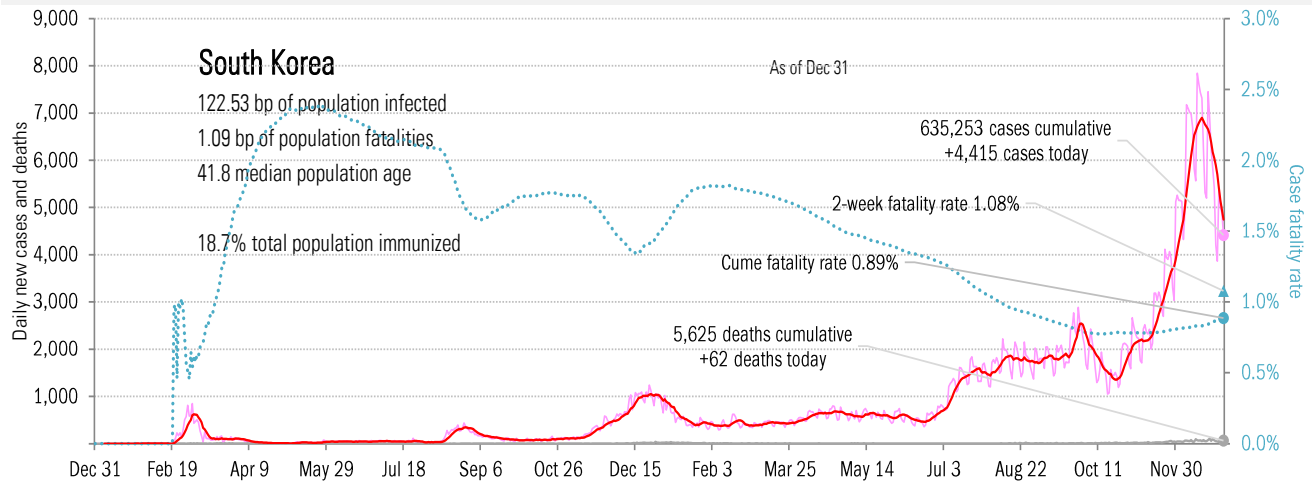
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

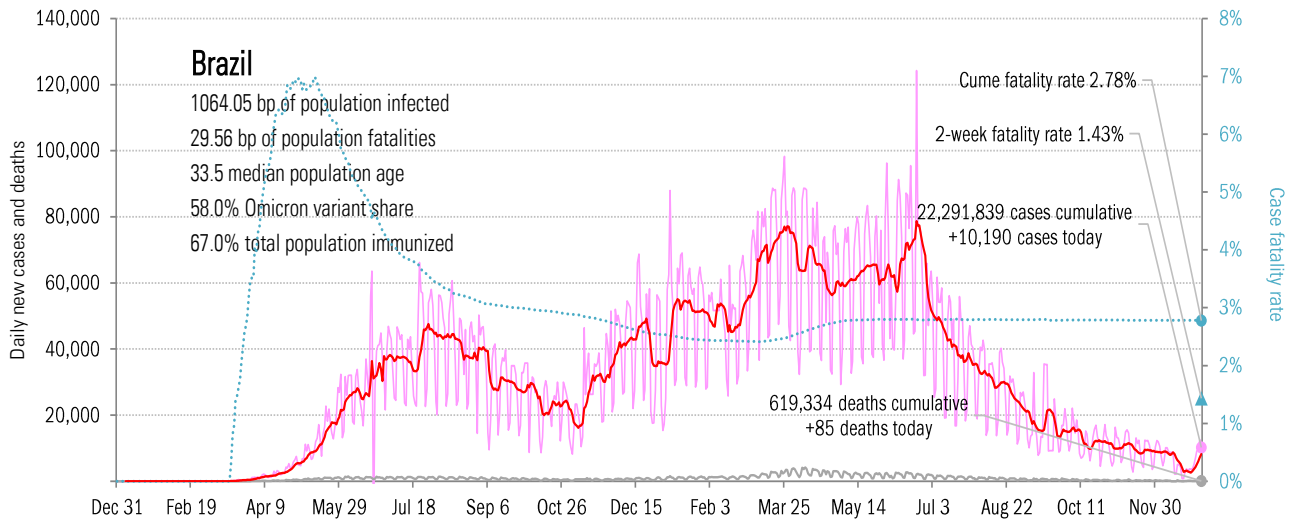
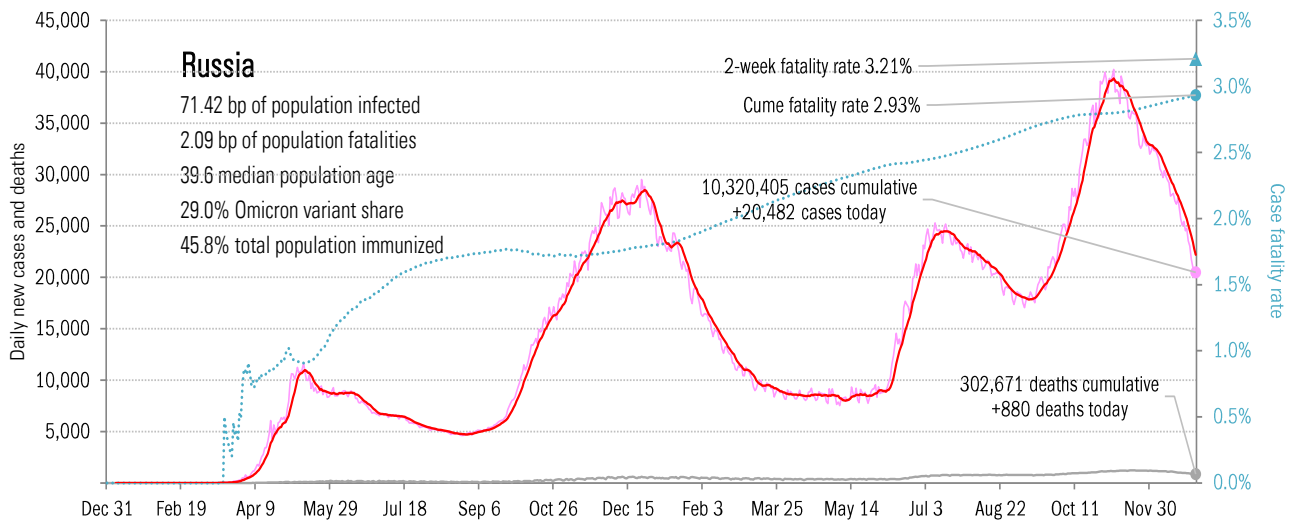
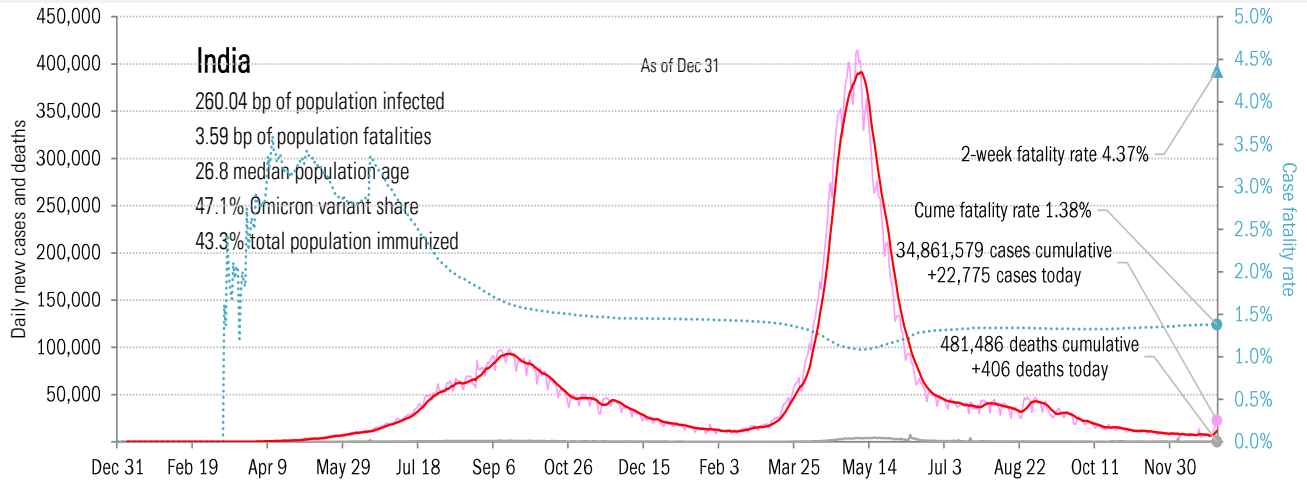
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

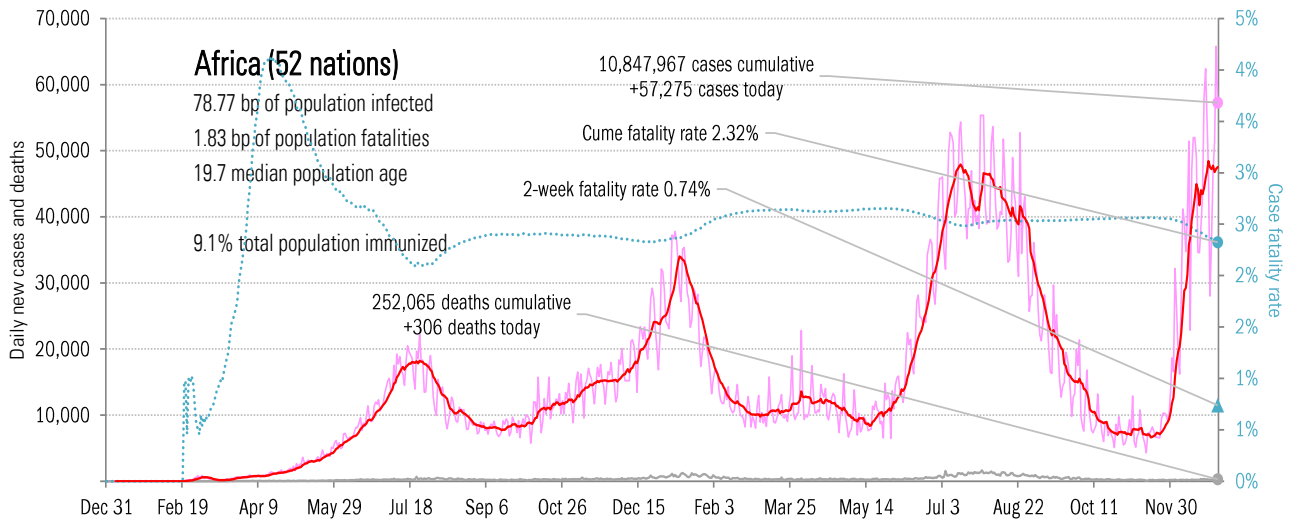
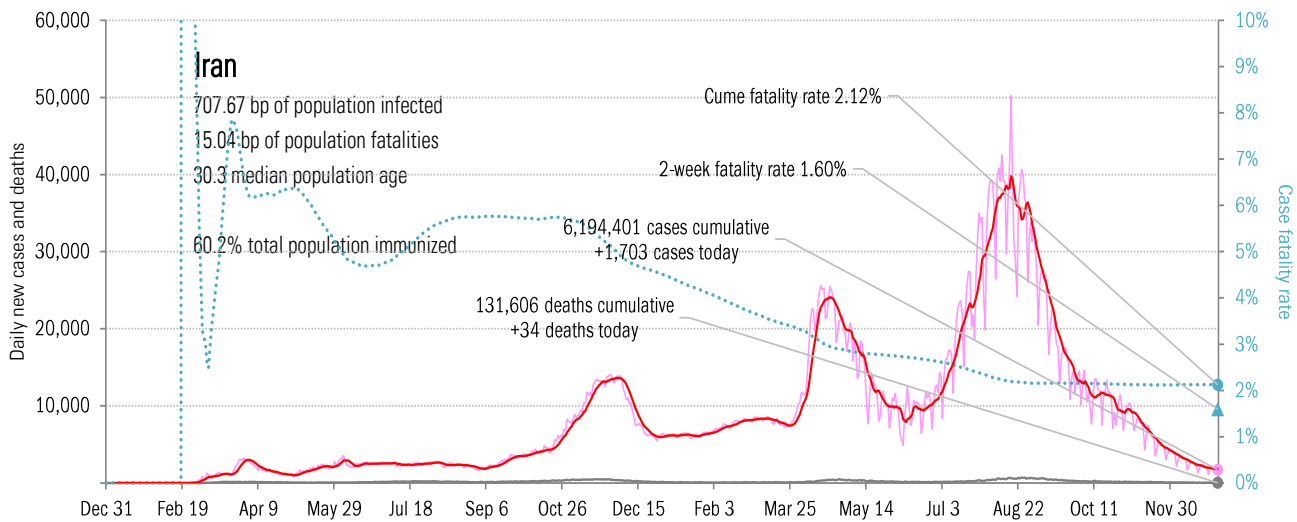
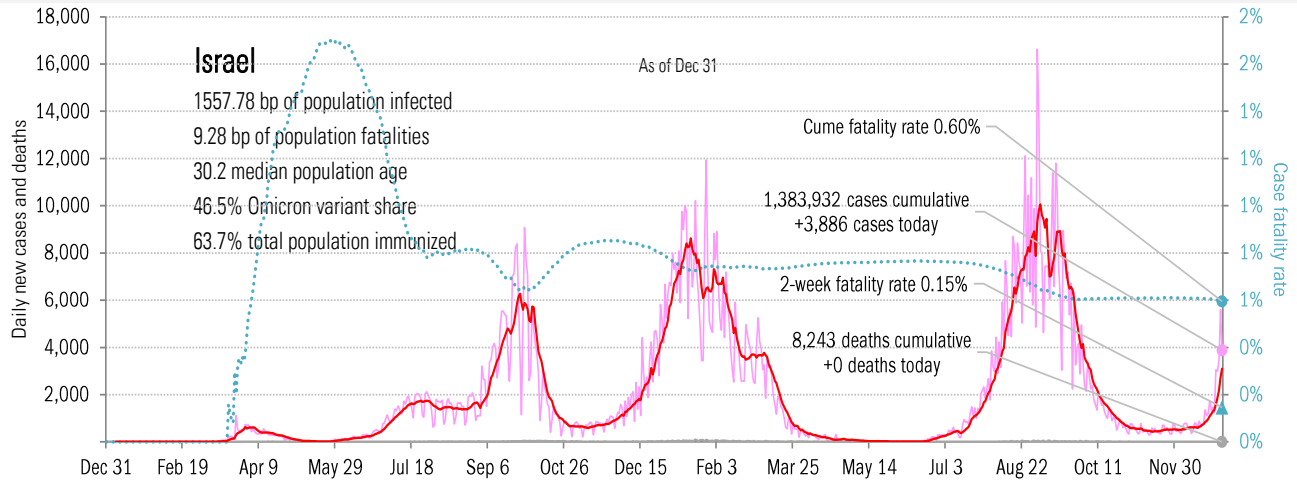
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

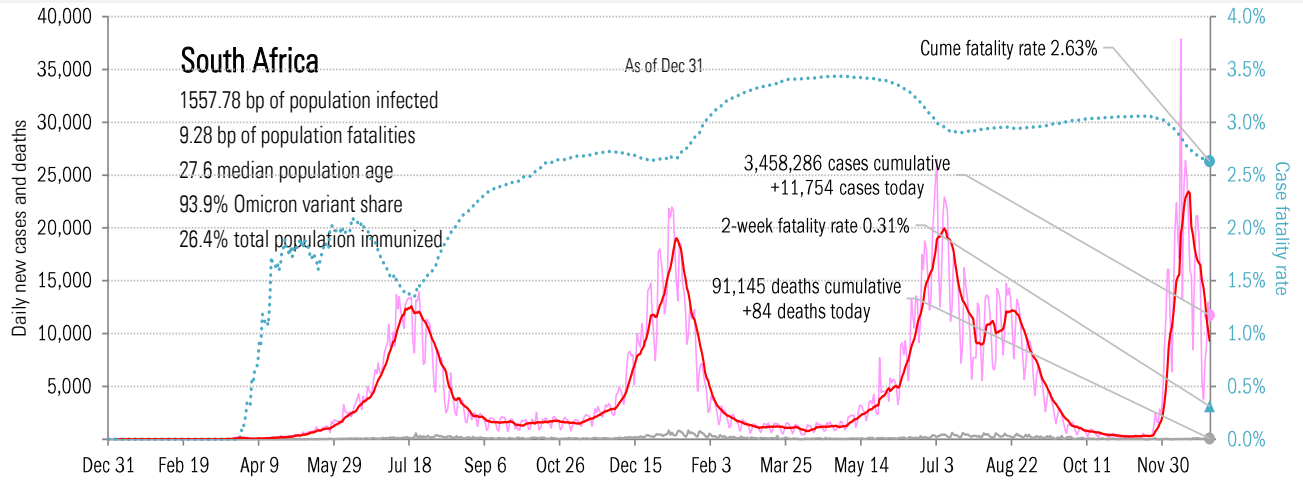
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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